



PROJECT NAME

PRELIMINARY ASSESSMENT REPORT

FEB. 2, 2021

Table of Contents

Projected Score Page 3

Score Details Page 4

 Project Management Score Page 4

 Site Score Page 5

 Energy Score Page 6

 Water Score Page 8

 Materials & Resources Score Page 9

 Emissions and Other Impacts Score Page 11

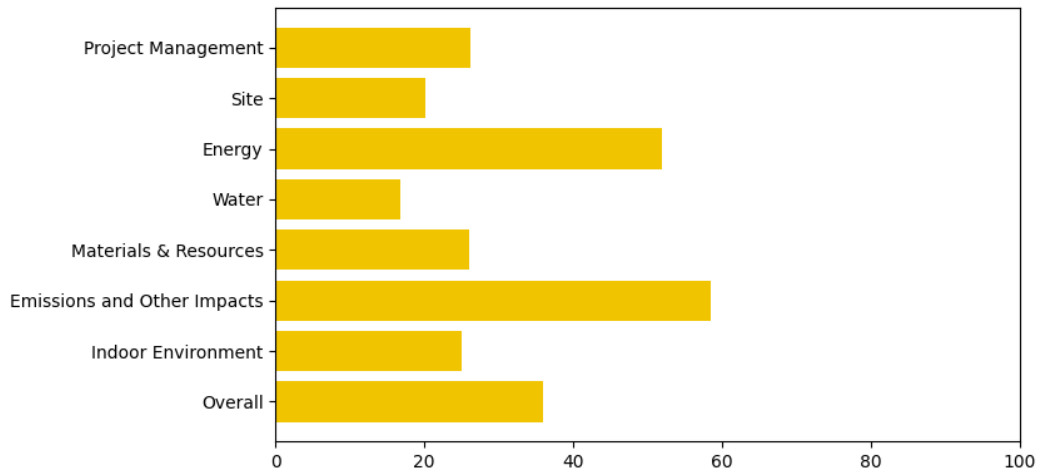
 Indoor Environment Score Page 12

Point Variances..... Page 13

Recommendations Page 27

Verification Required..... Page 61

Projected Score



Assessment Area	Projected Points	Applicable Points	Projected Score
 Project Management	12	46	26.1%
 Site	19	94	20.2%
 Energy	167	322	51.9%
 Water	13	78	16.7%
 Materials & Resources	25.5	98	26%
 Emissions and Other Impacts	24	41	58.5%
 Indoor Environment	37.5	150	25%
Total	298	829	35.9%

Project Management Sections	Projected Points	Applicable Points	Projected Score
Integrated Design Process	6	9	66.7%
› Pre-Design Meetings	3	3	100%
› IDP Performance Goals	1.5	3	50%
› IDP Progress Meetings for Design	1.5	3	50%
› Capital Asset Plan & Business Case Summary	0	0	0%
Environmental Management During Construction	2	9	22.2%
› Environmental Management Systems (EMS)	0	3	0%
› Clean Diesel Practices	0	2	0%
› Building Materials and Building Envelope	2	2	100%
› IAQ During Construction	0	2	0%
Commissioning	4	28	14.3%
› Pre-Commissioning	0	3	0%
› Whole Building Commissioning	3	18	16.7%
› Training	1	1	100%
› Operations and Maintenance Manual	0	6	0%
Infection Control	0	0	0%
› Infection Control Risk Assessment	0	0	0%

Site Score

Site Sections	Projected Points	Applicable Points	Projected Score
Development Area	11	30	36.7%
› Urban Infill and Urban Sprawl	5	10	50%
› Greenfields, Brownfields, and Floodplains	6	20	30%
Ecological Impacts	3	11	27.3%
› Site Disturbance and Erosion	3	8	37.5%
› Tree Integration	0	1	0%
› Tree Preservation	0	0	0%
› Heat Island Effect	0	0	0%
› Bird Collisions	0	2	0%
Stormwater Management	5	18	27.8%
› Stormwater Management	5	18	27.8%
Landscaping	0	28	0%
› Landscaping	0	28	0%
Exterior Light Pollution	0	7	0%
› Exterior Light Pollution	0	7	0%

Energy Sections	Projected Points	Applicable Points	Projected Score
› Steam Traps	0	0	0%
› Domestic Hot Water Heaters	2	3	66.7%
› Variable Speed Control of Pumps	0	0	0%
Other HVAC Systems and Controls	2.5	27	9.3%
› Minimizing Re-Heat and Re-Cool	0	6	0%
› Air Economizers	1	3	33.3%
› Fans and Ductwork	1.5	7	21.4%
› Demand Controlled Ventilation	0	5	0%
› Variable Refrigerant Flow Systems	0	6	0%
Other Energy Efficient Equipment and Measures	4	9	44.4%
› Elevators and Escalators	0	3	0%
› Other Energy Efficient Equipment	4	6	66.7%
Renewable Energy	0	50	0%
› On-site Renewable Energy	0	32	0%
› Off-site Renewable Energy	0	18	0%
Energy Efficient Transportation	13	24	54.2%
› Energy Efficient Transportation	13	24	54.2%

Water Score

Water Sections	Projected Points	Applicable Points	Projected Score
Water Consumption	2	38	5.3%
› Water Consumption	2	38	5.3%
Cooling Towers	3	3	100%
› Cooling Towers	3	3	100%
Boilers and Water Heaters	0	4	0%
› Boilers and Water Heaters	0	4	0%
Water Intensive Applications	0	6	0%
› Commercial Food Service Equipment	0	4	0%
› Laboratory and Medical Equipment	0	0	0%
› Laundry Equipment	0	2	0%
› Special Water Features	0	0	0%
Water Treatment	0	0	0%
› Water Treatment	0	0	0%
Alternate Sources of Water	0	0	0%
› Alternate Sources of Water	0	0	0%
Metering	0	9	0%
› Metering	0	9	0%
Irrigation	8	18	44.4%
› Irrigation	8	18	44.4%

Materials & Resources Sections	Projected Points	Applicable Points	Projected Score
Building Core and Shell	0	33	0%
› Building Core and Shell	0	33	0%
Interior Fit-Out	5	16	31.2%
› Interior Fit-Out	5	16	31.2%
Re-Use of Existing Structures	0	4	0%
› Facades	0	0	0%
› Structural Systems	0	0	0%
› Non-Structural Elements	0	4	0%
Waste	0.5	8	6.2%
› Construction Waste	0	6	0%
› Operational Waste	0.5	2	25%
Building Service Life Plan	0	7	0%
› Building Service Life Plan	0	7	0%
Resource Conservation	1	6	16.7%
› Minimized Use of Raw Materials	1	3	33.3%
› Multi-Functional Assemblies	0	1	0%
› Deconstruction and Disassembly	0	2	0%
Building Envelope - Roofing/Opening	6.5	10	65%
› Roofing Membrane Assemblies and Systems	1.5	3	50%
› Flashings	3	3	100%
› Roof and Wall Openings	2	4	50%
Envelope - Foundation & Waterproofing	3.5	4	87.5%
› Foundation Systems	3.5	4	87.5%
› Below Grade Wall Slabs and Above Grade Horizontal Assemblies	0	0	0%
Envelope - Cladding	4	5	80%
› Exterior Wall Cladding Systems	3	3	100%

Materials & Resources Sections	Projected Points	Applicable Points	Projected Score
› Rainscreen Wall Cladding	1	2	50%
Envelope - Barriers	5	5	100%
› Air Barriers	4	4	100%
› Vapor Retarders	1	1	100%

Emissions and Other Impacts Score

Emissions and Other Impacts Sections	Projected Points	Applicable Points	Projected Score
Heating	14	18	77.8%
› Heating	14	18	77.8%
Cooling	10	20	50%
› New or Existing Equipment	0	0	0%
› Ozone-Depleting Potential	10	10	100%
› Global Warming Potential	0	10	0%
› Leak Detection	0	0	0%
Janitorial Equipment	0	3	0%
› Janitorial Equipment	0	3	0%

Indoor Environment Score

Indoor Environment Sections	Projected Points	Applicable Points	Projected Score
Ventilation	16	37	43.2%
› Ventilation Air Quantity	11	11	100%
› Air Exchange	0	8	0%
› Ventilation Intakes and Exhausts	5	8	62.5%
› CO2 Sensing and Ventilation Control Equipment	0	5	0%
› Air Handling Equipment	0	5	0%
Source Control and Measurement of Indoor Pollutants	11	45	24.4%
› Volatile Organic Compounds	0	10	0%
› Moisture, Vapor, and Infection Mitigation Methods	2	8	25%
› Access for HVAC Maintenance	0	4	0%
› Carbon Monoxide Monitoring	4	4	100%
› Wet Cooling Towers	2	2	100%
› Domestic Hot Water Systems	2	2	100%
› Humidification and Dehumidification Systems	0	3	0%
› Pest and Contamination Control	0	3	0%
› Other Indoor Pollutants (Tobacco & Radon)	0	7	0%
› Ventilation and Physical Isolation for Specialized Activities	1	2	50%
Lighting Design and Systems	3.5	30	11.7%
› Daylighting	3.5	17	20.6%
› Lighting Design	0	13	0%
Thermal Comfort	3	9	33.3%
› Thermal Comfort Strategies	3	3	100%
› Thermal Comfort Design	0	6	0%
Acoustic Comfort	4	29	13.8%
› Acoustic Comfort Design	4	18	22.2%
› Mechanical, Plumbing, and Electrical	0	11	0%

Point Variances

3.3.3.2.1.3

Does the Energy Metering Reporting Plan include the following monitoring protocols (e.g. daily, monthly, seasonal, by floor, etc.)?

- Major electric HVAC equipment 5 HP or greater: seasonal peak demand and monthly consumption?

Maximum Points Possible: 0.5

Point Status: Not Applicable

Projected Points: 0

Client Evaluation Points: 0

Variance: Projected Points: 0

Applicable Points: 0

Client Evaluation Applicable Points: 0.5

Variance: Applicable Points: -0.5

Assessor Comment

The project does not include critical HVAC equipment 5 HP or greater. This item has been changed from 'No' to 'NA'.

3.3.3.2.1.4

Does the Energy Metering Reporting Plan include the following monitoring protocols (e.g. daily, monthly, seasonal, by floor, etc.)?

- Chilled water generation: seasonal peak output and monthly consumption?

Maximum Points Possible:

0.5

Point Status:

Not Applicable

Projected Points:

0

Client Evaluation Points:

0

Variance: Projected Points:

0

Applicable Points:

0

Client Evaluation Applicable Points:

0.5

Variance: Applicable Points:

-0.5

Assessor Comment

The project does not include a chilled water system. This item has been changed from 'No' to 'NA'.

3.3.3.2.1.5

Does the Energy Metering Reporting Plan include the following monitoring protocols (e.g. daily, monthly, seasonal, by floor, etc.)?

- On-site renewable energy power generation: monthly peak output, monthly production, and site specific weather characteristics?

Maximum Points Possible:

0.5

Point Status:

Not Applicable

Projected Points:

0

Client Evaluation Points:

0

Variance: Projected Points:

0

Applicable Points:

0

Client Evaluation Applicable Points:

0.5

Variance: Applicable Points:

-0.5

Assessor Comment

The project does not include an on-site renewable energy system. This item has been changed from 'No' to 'NA'.

3.3.3.2.1.6

Does the Energy Metering Reporting Plan include the following monitoring protocols (e.g. daily, monthly, seasonal, by floor, etc.)?

- Heating water or steam generation: seasonal peak and monthly consumption.

Maximum Points Possible:

0.5

Point Status:

Not Applicable

Projected Points:

0

Client Evaluation Points:

0

Variance: Projected Points:

0

Applicable Points:

0

Client Evaluation Applicable Points:

0.5

Variance: Applicable Points:

-0.5

Assessor Comment

The project does not include heating water or steam generation. This item has been changed from 'No' to 'NA'.

3.3.3.2.1.7

Does the Energy Metering Reporting Plan include the following monitoring protocols (e.g. daily, monthly, seasonal, by floor, etc.)?

- Specialty or process electrical equipment: daily demand and consumption.

Maximum Points Possible:

0.5

Point Status:

Not Applicable

Projected Points:

0

Client Evaluation Points:

0

Variance: Projected Points:

0

Applicable Points:

0

Client Evaluation Applicable Points:

0.5

Variance: Applicable Points:

-0.5

Assessor Comment

The project does not include specialty or process electrical equipment. This item has been changed from 'No' to 'NA'.

3.3.3.2.1.8

Does the Energy Metering Reporting Plan include the following monitoring protocols (e.g. daily, monthly, seasonal, by floor, etc.)?

- Critical HVAC controls: status monitoring and verification.

Maximum Points Possible:

0.5

Point Status:

Not Applicable

Projected Points:

0

Client Evaluation Points:

0

Variance: Projected Points:

0

Applicable Points:

0

Client Evaluation Applicable Points:

0.5

Variance: Applicable Points:

-0.5

Assessor Comment

The project does not include critical HVAC controls. This item has been changed from 'No' to 'NA'.

3.3.5.5.2

Do all large daylit areas have automatic photocell lighting controls?

Maximum Points Possible:

3

Point Status:

Not Applicable

Projected Points:

0

Client Evaluation Points:

0

Variance: Projected Points:

0

Applicable Points:

0

Client Evaluation Applicable Points:

3

Variance: Applicable Points:

-3

Assessor Comment

The project does not have areas larger than 2,500 SF, so 'NA' is appropriate here.

3.4.6.1

What percentage of water for non-potable uses will be harvested on-site or reclaimed?

Maximum Points Possible:

5

Point Status:

Unlikely to be Verified

Projected Points:

0

Client Evaluation Points:

0

Variance: Projected Points:

0

Applicable Points:

0

Client Evaluation Applicable Points:

5

Variance: Applicable Points:

-5

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.6.2.4.1

Is there a requirement that equipment installer(s) test remote commercial systems (e.g. supermarket refrigeration) as per GreenChill Best Practices Guideline Ensuring Leak-Tight Installations of Commercial Refrigeration Equipment?

Maximum Points Possible: 3

Point Status: Not Applicable

Projected Points: 0

Client Evaluation Points: 0

Variance: Projected Points: 0

Applicable Points: 0

Client Evaluation Applicable Points: 3

Variance: Applicable Points: -3

Assessor Comment

The commercial refrigeration equipment selected for the project are not within the scope of the GreenChill Best Practices Guideline. This item has been changed from 'No' to 'NA'.

3.6.2.4.2

Are there refrigerant leak detectors capable of detecting leakage rates down to 2.0% per year for each refrigerant?

Maximum Points Possible:

3

Point Status:

Not Applicable

Projected Points:

0

Client Evaluation Points:

0

Variance: Projected Points:

0

Applicable Points:

0

Client Evaluation Applicable Points:

3

Variance: Applicable Points:

-3

Assessor Comment

Leak detection is not typically appropriate for the selected equipment. This item has been changed from 'No' to 'NA'.

3.6.2.4.3

Is there an alarm system capable of alerting the building operator to leakage thresholds?

Maximum Points Possible:

3

Point Status:

Not Applicable

Projected Points:

0

Client Evaluation Points:

0

Variance: Projected Points:

0

Applicable Points:

0

Client Evaluation Applicable Points:

3

Variance: Applicable Points:

-3

Assessor Comment

A leak detection alarm is not typically appropriate for the selected equipment. This item has been changed from 'No' to 'NA'.

3.74.1.1

Do very large functional areas such as big box stores have thermal control zones that are 5,000 ft² (465 m²) or less?

Maximum Points Possible:

3

Point Status:

Not Applicable

Projected Points:

0

Client Evaluation Points:

2

Variance: Projected Points:

-2

Applicable Points:

0

Client Evaluation Applicable Points:

3

Variance: Applicable Points:

-3

Assessor Comment

The project design does not include very large spaces. This item has been changed from 'No' to 'NA'.

3.74.1.2

Do large functional areas such as large classrooms and auditoria have thermal control zones of 1,500 ft² (140 m²) or less?

Maximum Points Possible: 3

Point Status: Not Applicable

Projected Points: 0

Client Evaluation Points: 0

Variance: Projected Points: 0

Applicable Points: 0

Client Evaluation Applicable Points: 3

Variance: Applicable Points: -3

Assessor Comment

The are no large functional areas in this project,. This item has been changed from 'No' to 'NA'.

3.74.1.3

Do open circulation areas such as open offices and healthcare general patient areas have thermal control zones that are 1,000 ft² (93 m²) or less?

Maximum Points Possible:

3

Point Status:

Not Applicable

Projected Points:

0

Client Evaluation Points:

0

Variance: Projected Points:

0

Applicable Points:

0

Client Evaluation Applicable Points:

3

Variance: Applicable Points:

-3

Assessor Comment

The are no open offices and healthcare general patient areas in this project,. This item has been changed from 'No' to 'NA'.

3.75.1.1.6

Does the building design include the following acoustic design strategies:

- Walls separating quiet areas from other areas have all joints and penetrations sealed with acoustical sealant?

Maximum Points Possible:

0.5

Point Status:

Unlikely to be Verified

Projected Points:

0

Client Evaluation Points:

0.5

Variance: Projected Points:

-0.5

Applicable Points:

0.5

Client Evaluation Applicable Points:

0.5

Variance: Applicable Points:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

Variance: Projected Points

-2.5

Variance: Applicable Points

-29

Recommendations

3.1.2.1.1

Is there a requirement that the General Contractor must document the following elements as part of their Environmental Management System (EMS)? Check all those that apply.

Projected Points:

0.0

Applicable Points:

3.0

Assessor Recommendation

For this project, confirm that the contractor has not met any of these construction environmental initiatives; some may be part of normal construction practices. For future projects, consider requiring a project specific Environmental Management System.

3.1.2.2.1.1

Is there a requirement that the General Contractor must supplement mandatory regulatory requirements by implementing one or more of the following “clean diesel” strategies:

- A vehicle “idling-reduction” directive?

Projected Points:

0.0

Applicable Points:

0.5

Assessor Recommendation

On future projects consider requiring ‘clean diesel’ practices, to the extent possible, including ‘idling reduction’ directive.

3.1.2.2.1.2

Is there a requirement that the General Contractor must supplement mandatory regulatory requirements by implementing one or more of the following “clean diesel” strategies:

- Use of clean fuels?

Projected Points:

0.0

Applicable Points:

0.5

Assessor Recommendation

On future projects consider requiring ‘clean diesel’ practices, to the extent possible, including use of clean fuel.

3.1.2.2.1.3

Is there a requirement that the General Contractor must supplement mandatory regulatory requirements by implementing one or more of the following “clean diesel” strategies:

- Engine upgrades that reduce emissions?

Projected Points:

0.0

Applicable Points:

0.5

Assessor Recommendation

On future projects consider requiring ‘clean diesel’ practices, to the extent possible, including use of engine upgrades that reduce emissions.

3.1.2.2.1.4

Is there a requirement that the General Contractor must supplement mandatory regulatory requirements by implementing one or more of the following “clean diesel” strategies:

- Engine maintenance records?

Projected Points:

0.0

Applicable Points:

0.5

Assessor Recommendation

On future projects consider requiring ‘clean diesel’ practices, to the extent possible, including engine maintenance records.

3.1.2.4.1

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 14 consecutive days prior to occupancy, and filters changed after flush out but before it is occupied?

or

Baseline Indoor Air Quality testing gives acceptable results as per U.S. Environmental Protection Agency (EPA) Testing for Indoor Air Quality, Section 01 81 09 (December 2007)?

Projected Points:

0.0

Applicable Points:

2.0

Assessor Recommendation

On future projects, consider including provision for a building flush out or for IAQ testing. This can ensure that the building occupants are exposed to as few pollutants as possible.

3.1.2.4.2-P

Will the building be occupied during construction?

Projected Points:

0.0

Applicable Points:

3.0

Assessor Recommendation

If a new construction project carries out some or all the SMACNA IAQ measures for occupied spaces, credit may be available here. For example: Protection of HVAC equipment and ducts; housekeeping, scheduling; source control; separation of areas. If this can be documented points may be available here. If not, on future projects consider requiring documentation of these IAQ best practices.

3.1.3.1.1

Is there a requirement for the Commissioning Agent to document the “Owner’s Project Requirements” for building systems as per ASHRAE Guideline 0-2005: The Commissioning Process, Annexes I and J (or more recent version)?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

On future projects, consider retaining a commissioning agent with scope of work to include documenting the ‘Owner’s Project Requirements’.

3.1.3.1.2

Is there a requirement to document the building's "Basis of Design" for building systems as per ASHRAE Guideline 0-2005 Annex K (or more recent version)?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

On future projects, consider retaining a commissioning agent with scope of work to include document the 'Owner's Project Requirements'.

3.1.3.1.3

Is there a requirement for a Commissioning Authority with technical credentials as per ASHRAE Guideline 0-2005 (or more recent version), to lead the commissioning team, coordinate the commissioning process, and report directly to the owner?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

On future projects, consider retaining a qualified commissioning agent for pre-commissioning services. This can help ensure that the owner's goals are included in the design documents for mechanical, electrical, and plumbing.

3.1.3.2.1.1

Is there a requirement that commissioning will be conducted in accordance with ASHRAE Guideline 0-2005: The Commissioning Process: Articles 5, 6 and 7, (or more recent version) for the following:

- HVAC&R systems and their controls?

Projected Points:

0.0

Applicable Points:

4.0

Assessor Recommendation

On future projects consider retaining a commissioning agent to ensure that the HVAC systems have been installed to meet the project requirements. This can help ensure that the owner's requirements for energy efficiency have been met.

3.1.3.2.1.5

Is there a requirement that commissioning will be conducted in accordance with ASHRAE Guideline 0-2005: The Commissioning Process: Articles 5, 6 and 7, (or more recent version) for the following:

- Plumbing system?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

On future projects consider retaining a commissioning agent to ensure that the plumbing systems have been installed to meet the project requirements. This can help ensure that the owner's requirements for water conservation and fixture maintenance have been met.

3.1.3.2.1.6

Is there a requirement that commissioning will be conducted in accordance with ASHRAE Guideline 0-2005: The Commissioning Process: Articles 5, 6 and 7, (or more recent version) for the following:

- Electrical system?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

On future projects consider retaining a commissioning agent to ensure that the electrical systems have been installed to meet the project requirements. This can help ensure that the owner's requirements for electrical efficiencies have been met.

3.1.3.2.1.7

Is there a requirement that commissioning will be conducted in accordance with ASHRAE Guideline 0-2005: The Commissioning Process: Articles 5, 6 and 7, (or more recent version) for the following:

- Lighting system and their controls?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

On future projects consider retaining a commissioning agent to ensure that the lighting systems and controls have been installed to meet the project requirements. This can help ensure that the owner's requirements for lighting electrical efficiencies have been met.

3.1.3.2.3

Is there a requirement that the building system commissioning will be conducted in accordance with ASHRAE Guideline 0-2005: The Commissioning Process, Annex L (or more recent version)?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

On future projects consider retaining a commissioning agent with scope including compliance with ASHRAE Guideline 0-2005: The Commissioning Process, Annex L or more recent version. This can help ensure a baseline quality standard for commissioning activities.

3.1.3.4.1

Is there a requirement to develop an Operations and Maintenance (O&M) Manual and/or CMMS that contains descriptions and information on the continuous tasks related to the systems and to each piece of equipment, which are necessary to operate the building efficiently?

Projected Points:

0.0

Applicable Points:

6.0

Assessor Recommendation

For this project, confirm that the contractor will not be providing operation and maintenance documentation for the owner's use – at least a partial O&M is often a standard turn-over requirement. On future projects, consider requiring an OPR to aid the owner in understanding the systems they now own, and to ensure that any efficiencies and maintenance/replacements can be planned and budgeted.

3.1.4.1.1

Was an infectious disease prevention and mitigation plan questionnaire created that demonstrated how the below items were influenced:

Cleaning & Disinfecting

Materials Selection

Water Quality Maintenance and use of Water Treatment Specialist

Ventilation

Design for Space Utilization

Mobility

Operations Manual & Training Plan

Projected Points:

0.0

Applicable Points:

0

Assessor Recommendation

On future projects consider providing and implementing an infectious disease and mitigation questionnaire ensuring that adequate considerations and provisions are included in the scope of work.

3.2.2.1

Green Globes offers two paths:

Path A: Erosion and Sedimentation Control Plan - up to 5 points

OR

Path B: Erosion and Sedimentation Control Specifications - up to 5 points

Please select a path.

Projected Points:

0.0

Applicable Points:

5.0

Assessor Recommendation

On future projects, consider implementing a civil engineer's ESC plan. This may reduce the construction environmental impacts of the project.

3.2.2.4.3

What percentage (by area) of paved surfaces outside of the building footprint will be shaded by trees within 15 years?

Projected Points:

0.0

Applicable Points:

3.0

Assessor Recommendation

This item is not applicable in Climate Zone 7.

3.2.3.1.2

Is there a Stormwater Management Report by a Civil Engineer that shows that:

- The project meets municipal and/or local watershed water quality control targets (80% TSS removal)?

Projected Points:

0.0

Applicable Points:

5.0

Assessor Recommendation

On future projects consider implementing measures to reduce the TSS load of any water running off the site. This will reduce the impact of the project on downstream watersheds and aquifers.

3.2.3.1.3

Is there a Stormwater Management Report by a Civil Engineer that shows that:

- The site will retain at least 50% of the total average annual rainfall volume as per a Site Water Balance Assessment, to be included in the Stormwater Management Report?

Projected Points:

0.0

Applicable Points:

5.0

Assessor Recommendation

On future projects consider implementing measures to retain additional rainfall volumes, to help reduce downstream erosion.

3.2.4.2.1

Does the Landscape and Irrigation Plan include the following:

- Soil type, drainage, and light conditions?

Projected Points:

0.0

Applicable Points:

2.0

Assessor Recommendation

The project scope includes landscaping. If some or all of the considerations under 3.2.4.2 have been fulfilled, some points may be available here.

3.2.4.3.1

Does the plant palette include the following?

- Minimum of 50% of the vegetated area covered with plants that are drought-tolerant?

Projected Points:

0.0

Applicable Points:

3.0

Assessor Recommendation

The project scope includes landscaping. If some or all of the considerations under 3.2.4.3 have been fulfilled, some points may be available here.

3.2.4.4.1

Is there a requirement that landscaped areas will be installed with the following:

- At least 6 in. (15.2 cm) of soil; aerated, tilled and/or broken up?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

The project scope includes landscaping. If some or all of the considerations under 3.2.4.4 have been fulfilled, some points may be available here.

3.2.4.5.1

Does the Landscape Design show that plants are located on the site as follows:

- Plants with similar water requirements are grouped together?

Projected Points:

0.0

Applicable Points:

2.0

Assessor Recommendation

The project scope includes landscaping. If some or all of the considerations under 3.2.4.5 have been fulfilled, some points may be available here.

3.3.1.2.1

Is there a program or policy in place to compare actual performance data from the first year of operation with the energy design target?

Projected Points:

0.0

Applicable Points:

0

Assessor Recommendation

If feasible, on future projects consider implementing measures to allow the owner to compare actual energy usage with the design energy target. This will aid in determining equipment adjustments and maintenance to keep energy savings at the highest possible levels.

3.3.2.2.2

Is there an Energy Management System designed to reduce power demand below the non-reduced peak?

OR

Will power demand be controlled by the electric utility as per a load shedding agreement between the building owner and the utility?

Projected Points:

0.0

Applicable Points:

8.0

Assessor Recommendation

If feasible, on future projects, consider implementing a measures to reduce energy use at peak energy demand times This can help the project's impact on electrical infrastructure, and reduce the environmental impact of the project.

3.3.3.2.1.1

Does the Energy Metering Reporting Plan include the following monitoring protocols (e.g. daily, monthly, seasonal, by floor, etc.)?

- Lighting and lighting controls: daily demand and consumption by floor or by zones with floor areas no greater than 20,000 ft² (1860 m²)?

Projected Points:

0.0

Applicable Points:

0.5

Assessor Recommendation

On future projects, consider using metering (or sampling) of lighting loads to assist the owner in understanding the origins of energy costs in the building.

3.3.3.2.1.2

Does the Energy Metering Reporting Plan include the following monitoring protocols (e.g. daily, monthly, seasonal, by floor, etc.)?

- Plug loads: daily demand and consumption by floor or by zones no greater than 20,000 ft² (1860 m²)?

Projected Points:

0.0

Applicable Points:

0.5

Assessor Recommendation

On future projects, consider using metering (or sampling) of plug loads to assist the owner in understanding the origins of energy costs in the building.

3.3.4.3.1

Is the thermal transmittance (U-factor) of the building's fenestration system less than or equal to the values in Table 3.3.4.3: Building Envelope Requirements (see tooltip)?

Projected Points:

0.0

Applicable Points:

8.0

Assessor Recommendation

On future projects, consider using fenestration with lower U-factors; to improve energy efficiency and interior comfort.

3.3.5.5.1

Do all small daylighted areas have manual or automatic photocell lighting controls?

Projected Points:

0.0

Applicable Points:

3.0

Assessor Recommendation

On future projects, where appropriate, consider using day lighting controls to reduce light energy use.

3.3.6.8.2

Are all domestic hot water heaters equipped with intermittent electrical igniters and low NOX burners?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

On future projects, consider using equipment with intermittent electrical igniters and low NOX burners. This can reduce the global warming impact of the project.

3.3.7.3.3

Are the duct joints sealed and have the seams been leak-tested and found to have an overall leak rate that does not exceed 5%?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

Leakage rates may be indicated in the TAB report. If this report is favorable, points may be available here.

3.3.7.3.4

Do motors for fans meet NEMA's Premium® "Energy Efficiency Motor Program"?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

If there are no HVAC fan motors greater than 1 HP, this item may be 'NA'.

3.3.7.4.1

Are there occupancy and/or CO2 sensors to control ventilation rates in regularly occupied spaces that may experience frequent variations in the number of occupants?

Projected Points:

0.0

Applicable Points:

4.0

Assessor Recommendation

On future projects, consider including CO2 sensors to control ventilation in spaces such as conference rooms. This can add to energy efficiency, and increase user satisfaction.

Confirm the percentage of applicable ventilation volume to the total design ventilation. Mark “N/A” if spaces meeting this criterion represent less than 40% of the total design ventilation volume of the building.

3.3.7.4.2

Are the CO2 sensors capable of maintaining calibration within 2% for a one year period of operation?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

Confirm the percentage of applicable ventilation volume to the total design ventilation. Mark “N/A” if spaces meeting this criterion represent less than 40% of the total design ventilation volume of the building.

3.3.9.1.1

Has a study been conducted to determine the technical feasibility and life-cycle cost effectiveness of on-site renewable energy?

Projected Points:

0.0

Applicable Points:

9.0

Assessor Recommendation

On future projects, where feasible, consider including photovoltaic or other onsite energy sources. This may reduce the owner's long term electrical costs, as well as reducing the environmental impact of the completed building.

3.3.9.1.2

Were the recommendations of the Feasibility Study implemented?

Projected Points:

0.0

Applicable Points:

23.0

Assessor Recommendation

On future projects consider including an onsite energy feasibility study. Even if the results indicate that these measures would be impractical the owner and design team may benefit from the learning process.

3.3.9.2.1

Has the building owner committed to sign a contract to purchase either certified "green" power or certified renewable energy certificates (RECs) with a minimum three-year commitment; and if so, for what percentage of total electrical consumption of the building?

Projected Points:

0.0

Applicable Points:

18.0

Assessor Recommendation

For this project, consider purchasing RECs if additional Green Globes points are required.

3.3.10.3

Are there alternative fuel re-fueling facilities or electric charging stations on site or in the general vicinity?

Projected Points:

0.0

Applicable Points:

5.0

Assessor Recommendation

On future projects, consider providing an alternative fuel station, such as for electric cars. This may encourage the use of cars with lower carbon footprints.

3.4.1.1

Using the Green Globes Water Consumption Calculator, is the projected water consumption of the building less than the given baseline?

Projected Points:

0.0

Applicable Points:

24.0

Assessor Recommendation

On future projects, consider using the Green Globes water calculator as a guide to achieving water use savings. A copy has been uploaded here for reference.

3.4.1.2.1

Are any of the following plumbing fixtures and fittings certified as being compliant with the requirements of the U.S. EPA's WaterSense Program?

- Toilets (Maximum effective flush volume 1.28 gallons)?

Projected Points:

0.0

Applicable Points:

2.0

Assessor Recommendation

On future projects, consider using toilets that will reduce the local fresh water resources, and help reduce the burden on waste water management.

3.4.1.2.2

Are any of the following plumbing fixtures and fittings certified as being compliant with the requirements of the U.S. EPA's WaterSense Program?

- Urinals (Maximum effective flush volume 0.5 gallons)?

Projected Points:

0.0

Applicable Points:

2.0

Assessor Recommendation

On future projects, consider using urinals that will reduce the use of local fresh water resources, and help reduce the burden on waste water management.

3.4.1.2.4

Are any of the following plumbing fixtures and fittings certified as being compliant with the requirements of the U.S. EPA's WaterSense Program?

- Residential lavatory faucets (Maximum flow rate 1.5 gallons per minute)?

Projected Points:

0.0

Applicable Points:

2.0

Assessor Recommendation

On future projects, consider using residential lavatory faucets that will reduce the use of local fresh water resources, and help reduce the burden on waste water management.

3.4.1.2.5

Are any of the following plumbing fixtures and fittings certified as being compliant with the requirements of the U.S. EPA's WaterSense Program?

- Residential kitchen faucets (Maximum flow rate 2.2 gallons per minute)?

Projected Points:

0.0

Applicable Points:

2.0

Assessor Recommendation

On future projects, consider using residential kitchen faucets that will reduce the use of local fresh water resources, and help reduce the burden on waste water management.

3.4.1.2.6

Are any of the following plumbing fixtures and fittings certified as being compliant with the requirements of the U.S. EPA's WaterSense Program?

- Non-residential lavatory faucets (Maximum flow rate 0.5 gallons per minute)?

Projected Points:

0.0

Applicable Points:

2.0

Assessor Recommendation

On future projects, consider using non-residential kitchen faucets that will reduce the use of local fresh water resources, and help reduce the burden on waste water management.

3.4.4.1.2.2

Do the following appliances meet the prescribed limits for water usage:

- Pre-rinse spray valves for dish-rinsing consume 1.5 gal/min (5.7 L/min) or less?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

On future projects, consider using pre-rinse spray heads that will reduce the use of local fresh water resources, and help reduce the burden on waste water management. On future projects

3.4.4.1.2.4

Do the following appliances meet the prescribed limits for water usage:

- Dishwashers consume 5.8 gal/cycle (22 L/cycle) or less?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

On future projects, consider using dishwashers that consume 5.8 gal/cycle (22 L/cycle) or less to reduce the use of local fresh water resources, and help reduce the burden on waste water management.

3.4.4.3.2

If an institutional/industrial laundry, are there the following types of washing machines:

Tunnel washing machine that is programmable to use a specific amount of water depending on the soiling of the material to be washed? That has a water consumption of 0.96 gal/lb. (8 L/kg); or less than 1.44 gal/lb. (12 L/kg)? That has a water recycling system?

Projected Points:

0.0

Applicable Points:

2.0

Assessor Recommendation

On future projects, consider using clothes washers that reduce water use and recycle water, to reduce the use of local fresh water resources, and help reduce the burden on waste water management.

3.4.8.2.1

Does the irrigation system include any of the following features:

- Gutter downspouts directed into planted areas or other landscape features?

OR

Onsite cisterns and/or rainwater harvesting system, or reclaimed water system?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

The provided plans do not indicate irrigation in the project scope. If this is the case, items under 3.4.8.2 could be considered 'NA' instead of 'No'

3.4.8.2.2

Does the irrigation system include any of the following features:

- Drip or low-volume irrigation?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

On future projects, consider including drip or low volume strategies. Reduction in irrigation water use can create a more sustainable landscape.

3.4.8.2.4

Does the irrigation system include any of the following features:

- Capability to regulate precipitation rates on sprinkler heads for differing hydrozones?

Projected Points:

0.0

Applicable Points:

0.5

Assessor Recommendation

On future projects, consider including capability to regulate precipitation rates on sprinkler heads for differing hydrozones. Reduction in irrigation water use can create a more sustainable landscape.

3.4.8.2.5

Does the irrigation system include any of the following features:

- Swing joints or flex pipes used on all in-ground irrigation heads?

Projected Points:

0.0

Applicable Points:

0.5

Assessor Recommendation

On future projects, consider including swing joints or flex pipes used on all in-ground irrigation heads drip or low volume strategies. Reduction in irrigation water use can create a more sustainable landscape.

3.5.1

Green Globes provides two paths for assessing building core and shell:

Path A: Performance Path – up to 33 points

OR

Path B: Prescriptive Path – up to 20 (out of 33) points

Please select one of the following paths.

Projected Points:

0.0

Applicable Points:

33.0

Assessor Recommendation

To achieve Green Globes points here, consider using option B for the Green Globes final assessment. Qualifying EPDs are often available for typical core and shell materials, and documentation is available even where construction is complete.

3.5.4.1.1

What percentage of the construction waste, including building demolition waste, will be diverted from the landfill?

Projected Points:

0.0

Applicable Points:

6.0

Assessor Recommendation

On future projects, if feasible, consider including requirements for diversion from landfill of construction waste.

3.5.4.2.1.2

Does the building design address operations-related recycling programs through one or more of the following:

- Storage areas for recyclable waste at points of service?

Projected Points:

0.0

Applicable Points:

0.5

Assessor Recommendation

On this, or future projects, consider including point of service recycling, for example: Designated bins for recyclable and non-recyclable waste at employee and users areas.

3.5.5.1.1

Is there a preliminary Building Service Life Plan that includes the expected service life estimates for the following:

- The building?

Projected Points:

0.0

Applicable Points:

2.0

Assessor Recommendation

On future projects, consider including a Building Service Life Plan to assist the owner in making trade-offs between initial expenses and future expenses.

3.5.5.2

Is there a schedule for maintenance, repair, and replacement for each building element, including the building fit-out (as applicable) for the duration of the building design life?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

On future projects, consider including maintenance, repair and replacement schedule to assist the owner in making trade-offs between initial expenses and future expenses.

3.5.8.1.2.2

Is there a requirement for the following damp-proofing measures to be applied to all newly installed foundation walls in contact with grade:

- Roof drainage to be directed at least 3 ft. (0.9 m) beyond the building overhang?

Projected Points:

0.0

Applicable Points:

0.5

Assessor Recommendation

On future projects, consider including measures to ensure that roof drainage is routed away from the building. This can aid in preventing moisture infiltration and damage to finish materials.

3.6.3.1

Are there designated storage areas for hazardous materials / janitorial supplies with full-height, floor-to-floor walls and mechanical ventilation?

Projected Points:

0.0

Applicable Points:

3.0

Assessor Recommendation

The housekeeping closets appear to have ventilation (shared with the mechanical room). Please clarify if the partition go slab to slab, or the ceilings are hard material. Points may be available here.

3.71.4.1

Do rooms that are occupied by several people (e.g. open offices) and those that have variable occupancy (e.g. meeting rooms, assembly areas) have CO2 sensing and ventilation control equipment?

Projected Points:

0.0

Applicable Points:

5.0

Assessor Recommendation

On future projects, consider including CO2 sensors in rooms such as conference and meal serving areas. This can include user comfort, indoor air quality, and provide additional energy efficiency.

3.72.1.1

Is there a requirement that adhesives and sealants (not including carpet adhesives) will comply with prescribed limits of VOCs and/or be certified?

Projected Points:

0.0

Applicable Points:

2.5

Assessor Recommendation

For this project and future projects, consider tracking the adhesives and sealants to determine if points can be achieved here. Compliant projects are generally available, with minimal impact on the project budget.

3.7.2.1.2

Is there a requirement that carpet, carpet pad, and under-carpet adhesives will comply with the Carpet and Rug Institute's (CRI) Green Label Plus program?

Projected Points:

0.0

Applicable Points:

2.0

Assessor Recommendation

For this project and future projects, consider tracking the carpet products to determine if points can be achieved here. Compliant projects are generally available, with minimal impact on the project budget.

3.7.2.1.3

Is there a requirement that paints will comply with prescribed limits of VOCs and/or be certified?

Projected Points:

0.0

Applicable Points:

3.0

Assessor Recommendation

For this project and future projects, consider tracking the VOC content of the selected paints to determine if points can be achieved here. Compliant projects are generally available, with minimal impact on the project budget.

3.7.2.1.4

Is there a requirement that floors, floor coverings, and other interior products will comply with prescribed limits of VOCs and/or be certified?

Projected Points:

0.0

Applicable Points:

2.5

Assessor Recommendation

For this project and future projects, consider tracking the floors and floor products VOC content to determine if points can be achieved here. Compliant projects are generally available, with minimal impact on the project budget.

3.7.2.2.1.2

Are there the following measures to avoid fungus, mold, and bacteria:

- 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.)?

Projected Points:

0.0

Applicable Points:

2.0

Assessor Recommendation

For this project and future projects, consider tracking the finish materials that resist mold growth (such as tiling in guest bathrooms). to determine if points can be achieved here. Compliant projects are generally available, with minimal impact on the project budget.

3.7.2.3.1.1

Are there the following measures to facilitate maintenance of HVAC equipment that require routine and periodic maintenance:

- Access to equipment complies with the 2009 International Code Council International Mechanical Code (ICC IMC 2009), 2009 Uniform Mechanical Code (IAPMO/ANSI UMC 1-2009), and the manufacturer published and/or suggested recommendations?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

The equipment selected for this project may provide ready access for maintenance. On this and future projects (and if applicable), consider provided a signed narrative on the design engineer's letterhead explaining how the installed equipment access is at sufficient to the required standards.

3.7.2.3.1.2

Are there the following measures to facilitate maintenance of HVAC equipment that require routine and periodic maintenance:

- Distribution systems are installed in accordance with ANSI/ASHRAE Standard 62.1-2010, and SMACNA's HVAC Duct Construction Standards: Metal and Flexible 3rd Edition 2005?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

The ductwork installation may be complaint with the SMACNA standard, since this is a common industry standard. If this is the case, consider providing a signed narrative on the design engineer's letterhead confirming required compliance with the standard.

3.7.2.8.1.1

Are the following integrated pest management strategies used:

- Outdoor air inlets have insect screens of 18x14 mesh for plenum systems feeding multiple air handlers?

Projected Points:

0.0

Applicable Points:

0.5

Assessor Recommendation

If there are no plenum systems feeding multiple air handlers, this can be changed from 'No' to 'NA. If this is the case, please provide a signed narrative on the design engineer's letterhead confirming that no such plenum installations is included in the project.

3.72.8.1.2

Are the following integrated pest management strategies used:

- Structural and mechanical openings are fitted with permanent protection (e.g. screens, sealants, etc.)?

Projected Points:

0.0

Applicable Points:

0.5

Assessor Recommendation

Since providing of screening is often standard practice, consider reviewing the project installations. If screening has been install consider providing photos or cut sheets to obtain points here.

3.72.9.1

Is there a construction management policy to prohibit smoking in the building and a provision to require that smoking be a minimum of 25 feet from the building with posted signage?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

On future projects, consider requiring a 'No-smoking' policy during construction. Note that this is a common construction requirement for worker safety

3.73.1.4

Are there shading devices to eliminate direct sunlight from reaching task areas?

Projected Points:

0.0

Applicable Points:

1.0

Assessor Recommendation

See comment for 3.7.3.1.2; it is not clear what areas are considered task area. However, interior shading devices (roller blinds, drapes etc) will qualify for this credit. Points may be available here.

3.7.3.2.1

Do primary occupied spaces have the prescribed lighting levels for the types of tasks anticipated in the various building spaces?

Projected Points:

0.0

Applicable Points:

7.0

Assessor Recommendation

On future projects, consider coordinating the lighting levels design with the tasks to be performed. This may ensure that lighting energy costs are optimally traded off between user comfort and energy efficiency.

If documentation is provided indicating that the completed building meets the requirements for lighting levels at various task locations, points may still be available here.

3.7.3.2.2

Has a lighting designer signed off on calculations that show that luminance ratios do not exceed the following as per IESNA for tasks:

3:1 between the task and adjacent surroundings? 10:1 between the task and remote (non-adjacent) surfaces? 20:1 between the brightest and darkest surface in the field of view? 8:1 between rows of luminaires where there is indirect lighting and where ceiling luminance exceeds 425 cd/m² (124.1 fL)?

Projected Points:

0.0

Applicable Points:

3.0

Assessor Recommendation

On future projects, consider including design scope to ensure that illuminance levels are not above appropriate levels. This can maximize use of lighting energy.

If calculations are provided indicating that the completed building meets the relevant IESNA standard, points may still be available here.

3.7.3.2.3

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:

850 cd/m² (248.1 fL) at 65° from the vertical? 350 cd/m² (102.2 fL) at 75° from the vertical? 175 cd/m² (51.1 fL) at 85° from the vertical?

Projected Points:

0.0

Applicable Points:

3.0

Assessor Recommendation

If documentation is provided indicating that the completed building meets the average luminance does not exceed the stated levels, points may still be available here.

3.7.5.1.4

Does the Impact Insulation Class (IIC) design of all floor-ceiling assemblies have a minimum rating of IIC-50?

Projected Points:

0.0

Applicable Points:

2.0

Assessor Recommendation

On future projects, consider determining the IIC rating of the proposed floor assemblies. This may lead to additional user acoustical comfort. For this project, if the constructed floor assembly meets can be documented to meet the IIC rating of minimum 50, points may still be achieved here.

Verification Required

3.1.1.1

Was an integrated design process (IDP) employed, which included a minimum of five of the key design disciplines involved in the project? Check as many key disciplines below as apply.

Status:

Likely to be Verified

Projected Points:

3

User Self-Evaluation Points:

3

Point Variance:

0

Assessor Comment

Please provide documentation of the IDP pre-design meetings (i.e. meeting minutes dated from the pre-design stage of the project).

3.1.1.2

For which of the following were (qualitative) green design goals established at the pre-design phase?

Status:

Likely to be Verified

Projected Points:

0.5

User Self-Evaluation Points:

0.5

Point Variance:

0

Assessor Comment

Please provide documentation of the IDP qualitative goals as discussed in meetings (i.e. meeting minutes dated from the pre-design stage of the project). Please include specific references to the qualitative environmental goals).

3.1.1.2.2

For which of the following were performance objectives (metrics) established at the pre-design phase?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

Please provide documentation of the IDP quantitative goals as discussed in meetings (i.e. meeting minutes dated from the pre-design stage of the project). Please include specific references to the quantitative environmental goals such as percentage of energy savings.

3.1.1.3.1.1

Did the integrated design process (IDP) team hold progress meetings prior to the respective completion of the following project phases:

- At the Concept Design Phase?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.1.1.3.1.2

Did the integrated design process (IDP) team hold progress meetings prior to the respective completion of the following project phases:

- At the Design Development Phase?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.1.1.3.1.3

Did the integrated design process (IDP) team hold progress meetings prior to the respective completion of the following project phases:

- At the Construction Documents Phase?

Status:

Likely to be Verified

Projected Points:

0.5

User Self-Evaluation Points:

0.5

Point Variance:

0

Assessor Comment

Please provide documentation of the occurrence of IDP progress meetings for design (i.e. meeting minutes dated from the Construction Documents phase).

3.1.1.3.2

Is there a requirement that the integrated design process (IDP) team hold progress meetings prior to the completion of the following project milestones? Check all that apply.

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

Please provide documentation of the occurrence of IDP progress meetings at major milestones (i.e. meeting minutes dated from the Pre-Construction Documents phase).

3.1.1.4.1

For Federal building projects, did the integrated design process integrate the use of OMB's A-11, Section 7, Exhibit 300: Capital Asset Plan and Business Case Summary?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

This item is not applicable to the project. No action is required.

3.1.2.1.1

Is there a requirement that the General Contractor must document the following elements as part of their Environmental Management System (EMS)? Check all those that apply.

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.1.2.2.1.1

Is there a requirement that the General Contractor must supplement mandatory regulatory requirements by implementing one or more of the following “clean diesel” strategies:

- A vehicle “idling-reduction” directive?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.1.2.2.1.2

Is there a requirement that the General Contractor must supplement mandatory regulatory requirements by implementing one or more of the following “clean diesel” strategies:

- Use of clean fuels?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.1.2.2.1.3

Is there a requirement that the General Contractor must supplement mandatory regulatory requirements by implementing one or more of the following “clean diesel” strategies:

- Engine upgrades that reduce emissions?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.1.2.2.1.4

Is there a requirement that the General Contractor must supplement mandatory regulatory requirements by implementing one or more of the following “clean diesel” strategies:

- Engine maintenance records?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.1.2.3.1.1

Is there a requirement for the following construction best-practices to protect building materials and control mold:

- 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?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

Please provide documentation that materials that could absorb moisture are stored and handled to prevent exposure. i.e. photos, inspection logs. Please note that photos have been provided, but they do not confirm compliance.

3.1.2.3.1.2

Is there a requirement for the following construction best-practices to protect building materials and control mold:

- The building envelope will be weather-tight and permitted to dry before installation of interior walls, wood floors, ceilings, or HVAC systems?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

Please provide documentation that the building envelope was weather tight before the installation of finishes such as wood floors, ceilings, and HVAC systems. For example: progress photos; construction installation schedules.

3.1.2.4.1

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 14 consecutive days prior to occupancy, and filters changed after flush out but before it is occupied?

or

Baseline Indoor Air Quality testing gives acceptable results as per U.S. Environmental Protection Agency (EPA) Testing for Indoor Air Quality, Section 01 81 09 (December 2007)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.1.2.4.2-P

Will the building be occupied during construction?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.1.3.1.1

Is there a requirement for the Commissioning Agent to document the “Owner’s Project Requirements” for building systems as per ASHRAE Guideline 0-2005: The Commissioning Process, Annexes I and J (or more recent version)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.1.3.1.2

Is there a requirement to document the building’s “Basis of Design” for building systems as per ASHRAE Guideline 0-2005 Annex K (or more recent version)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.1.3.1.3

Is there a requirement for a Commissioning Authority with technical credentials as per ASHRAE Guideline 0-2005 (or more recent version), to lead the commissioning team, coordinate the commissioning process, and report directly to the owner?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.1.3.2.1.1

Is there a requirement that commissioning will be conducted in accordance with ASHRAE Guideline 0-2005: The Commissioning Process: Articles 5, 6 and 7, (or more recent version) for the following:

- HVAC&R systems and their controls?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.1.3.2.1.2

Is there a requirement that commissioning will be conducted in accordance with ASHRAE Guideline 0-2005: The Commissioning Process: Articles 5, 6 and 7, (or more recent version) for the following:

- Building envelope?

Status:

Likely to be Verified

Projected Points:

3

User Self-Evaluation Points:

3

Point Variance:

0

Assessor Comment

Please provide documentation of the building envelope commissioning scope (i.e. proposal – fees may be redacted). In addition, provide a copy of the envelope commissioning recommendations and final report.

3.1.3.2.1.3

Is there a requirement that commissioning will be conducted in accordance with ASHRAE Guideline 0-2005: The Commissioning Process: Articles 5, 6 and 7, (or more recent version) for the following:

- Structural systems?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.1.3.2.1.4

Is there a requirement that commissioning will be conducted in accordance with ASHRAE Guideline 0-2005: The Commissioning Process: Articles 5, 6 and 7, (or more recent version) for the following:

- Fire protection system?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.1.3.2.1.5

Is there a requirement that commissioning will be conducted in accordance with ASHRAE Guideline 0-2005: The Commissioning Process: Articles 5, 6 and 7, (or more recent version) for the following:

- Plumbing system?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.1.3.2.1.6

Is there a requirement that commissioning will be conducted in accordance with ASHRAE Guideline 0-2005: The Commissioning Process: Articles 5, 6 and 7, (or more recent version) for the following:

- Electrical system?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.1.3.2.1.7

Is there a requirement that commissioning will be conducted in accordance with ASHRAE Guideline 0-2005: The Commissioning Process: Articles 5, 6 and 7, (or more recent version) for the following:

- Lighting system and their controls?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.1.3.2.1.8

Is there a requirement that commissioning will be conducted in accordance with ASHRAE Guideline 0-2005: The Commissioning Process: Articles 5, 6 and 7, (or more recent version) for the following:

- Building automation systems?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.1.3.2.1.9

Is there a requirement that commissioning will be conducted in accordance with ASHRAE Guideline 0-2005: The Commissioning Process: Articles 5, 6 and 7, (or more recent version) for the following:

- Elevating and conveying systems?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.1.3.2.1.10

Is there a requirement that commissioning will be conducted in accordance with ASHRAE Guideline 0-2005: The Commissioning Process: Articles 5, 6 and 7, (or more recent version) for the following:

- Communication systems?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.1.3.2.2

Is there a requirement to field-test partitions for noise isolation?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.1.3.2.3

Is there a requirement that the building system commissioning will be conducted in accordance with ASHRAE Guideline 0-2005: The Commissioning Process, Annex L (or more recent version)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.1.3.3.1

Is there a requirement that there will be training for the building operators on the systems listed above in accordance with ASHRAE Guideline 0-2005: Article 7.2.14 (or more recent version)?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

Please provide documentation of the training for building operators. For example: schedule of training sessions; sign-in sheets; training session agendas.

3.1.3.4.1

Is there a requirement to develop an Operations and Maintenance (O&M) Manual and/or CMMS that contains descriptions and information on the continuous tasks related to the systems and to each piece of equipment, which are necessary to operate the building efficiently?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.1.4.1.1

Was an infectious disease prevention and mitigation plan questionnaire created that demonstrated how the below items were influenced:

Cleaning & Disinfecting

Materials Selection

Water Quality Maintenance and use of Water Treatment Specialist

Ventilation

Design for Space Utilization

Mobility

Operations Manual & Training Plan

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.2.1.1.2

Is the building being constructed on a previously developed site served by existing utilities for at least a full year before construction?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.2.1.2.1

Is the building being constructed on a remediated brownfield or remediated Superfund site?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.2.1.2.3

Is all habitable space located higher than the 100-year flood plain?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Confirmed by FEMA map.

3.2.2.1

Green Globes offers two paths:

Path A: Erosion and Sedimentation Control Plan - up to 5 points

OR

Path B: Erosion and Sedimentation Control Specifications - up to 5 points

Please select a path.

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.2.2.1.1.1

Is there an Erosion and Sedimentation Control Plan, signed and stamped by a Professional Engineer?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

No ESC Plan has been provided; therefore points will be unlikely here.

3.2.2.1.3

Is there a requirement that construction activities will be located in such a way to limit disturbance to the site?

Status:

Likely to be Verified

Projected Points:

3

User Self-Evaluation Points:

3

Point Variance:

0

Assessor Comment

Please provide a site logistics plan or other similar documentation indicating the required limits of disturbance.

3.2.2.2.1.3

Are the following integrated into the landscape plan:

- Undergrowth?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.2.2.5.1.1

Are the following measures required to help ensure that birds perceive windows as being a solid object:

- Visual markers

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.2.2.5.1.2

Are the following measures required to help ensure that birds perceive windows as being a solid object:

- Avoidance of reflections?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.2.3.1.1

Is there a Stormwater Management Report by a Civil Engineer that shows that:

- The project meets municipal and/or local watershed flood and erosion control targets (i.e. post to pre control)?

Status:

Likely to be Verified

Projected Points:

5

User Self-Evaluation Points:

5

Point Variance:

0

Assessor Comment

Please provide documentation that the project meets local flood and erosion control targets (post to pre control). For example: Signed narrative/calculations on the engineer's letter head; sign off by local authorities.

3.2.3.1.2

Is there a Stormwater Management Report by a Civil Engineer that shows that:

- The project meets municipal and/or local watershed water quality control targets (80% TSS removal)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.2.3.1.3

Is there a Stormwater Management Report by a Civil Engineer that shows that:

- The site will retain at least 50% of the total average annual rainfall volume as per a Site Water Balance Assessment, to be included in the Stormwater Management Report?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.2.3.2

Is the site boundary farther than 100 ft. (30.5 m) from a natural body of water?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

A water course is adjacent to the project site.

3.2.4.1

Is there a Landscape and Irrigation Plan developed by a Landscape Architect, certified horticulturalist, or certified irrigation professional?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

No landscape plans are included in the provided documents.

3.2.4.2.1

Does the Landscape and Irrigation Plan include the following:

- Soil type, drainage, and light conditions?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

No landscape plans are included in the provided documents.

3.2.4.2.2

Does the Landscape and Irrigation Plan include the following:

- Structural limitations (e.g. shading, utilities, overhangs, lights) that would impact the location and growth of plants?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

No landscape plans are included in the provided documents.

3.2.4.3.1

Does the plant palette include the following?

- Minimum of 50% of the vegetated area covered with plants that are drought-tolerant?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

No landscape plans are included in the provided documents.

3.2.4.3.2

Does the plant palette include the following?

- Minimum of 50% of vegetated area covered with plants (new or salvaged plantings) that are native and non-invasive?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

No landscape plans are included in the provided documents.

3.2.4.3.3

Does the plant palette include the following?

- Minimal turf grass?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

No landscape plans are included in the provided documents.

3.2.4.4.1

Is there a requirement that landscaped areas will be installed with the following:

- At least 6 in. (15.2 cm) of soil; aerated, tilled and/or broken up?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

No landscape plans are included in the provided documents.

3.2.4.4.2

Is there a requirement that landscaped areas will be installed with the following:

- Organic mulch as per best practices?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

No landscape plans are included in the provided documents.

3.2.4.5.1

Does the Landscape Design show that plants are located on the site as follows:

- Plants with similar water requirements are grouped together?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

No landscape plans are included in the provided documents.

3.2.4.5.2

Does the Landscape Design show that plants are located on the site as follows:

- Plants are spaced to allow for maturation at a 5-year growth rate?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

No landscape plans are included in the provided documents.

3.2.4.6

Is there a requirement that 15% of planned impervious walkways, patios, and driveways will be installed with pervious materials?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

No landscape plans are included in the provided documents.

3.2.5

Green Globes offers two paths:

Path A: Lighting Design Performance - up to 7 points

OR

Path B: Prescriptive Lighting Requirements - up to 7 points

Please select a path. If there is no exterior lighting, select "N/A."

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

An exterior lighting plan has been provided, but does not offer information to confirm compliance.

3.2.5.2.1

Is there a requirement that the exterior lighting will not exceed prescribed values for the amount of light per unit of area?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

No exterior lighting plans or fixture lamp cut sheets have been provided.

3.2.5.2.2.1

Is there a requirement that exterior lighting trespass will not exceed prescribed BUG ratings as per IDA – IES Model Lighting Ordinance (MLO), Table C for the following:

- Backlight trespass

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

No exterior lighting plans or fixture lamp cut sheets have been provided.

3.2.5.2.2.2

Is there a requirement that exterior lighting trespass will not exceed prescribed BUG ratings as per IDA – IES Model Lighting Ordinance (MLO), Table C for the following:

- Uplight trespass

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

No exterior lighting plans or fixture lamp cut sheets have been provided.

3.2.5.2.2.3

Is there a requirement that exterior lighting trespass will not exceed prescribed BUG ratings as per IDA – IES Model Lighting Ordinance (MLO), Table C for the following:

- Glare

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

No exterior lighting plans or fixture lamp cut sheets have been provided.

3.2.5.2.3

Will parking lot lighting have no light emitted above 90 degrees?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

No exterior lighting plans or fixture lamp cut sheets have been provided.

3.3.1.1

Green Globes provides four paths for assessing energy performance. Each path requires energy design modeling to establish the proposed energy performance (energy use) for a building.

Path A: ENERGY STAR® Target Finder - up to 100 points

OR

Path B: ASHRAE 90.1-2010, Appendix G - up to 100 points

OR

Path C: ANSI/GBI 01-2010 Energy Performance Building Carbon Dioxide Equivalent (CO₂e) Emissions - up to 100 points, plus up to 50 bonus points

OR

Path D: ASHRAE Building Energy Quotient (Building EQ) - up to 100 points, plus up to 25 bonus points

Please select a path.

Status:

Likely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

A copy of the EnergyStar Target Finder 'Statement of EnergyStar Design Intent' has been provided indicating that the project was designed to achieve a 97% EnergyStar rating. For the Green Globes final assessment, please provide a copy of this document signed, sealed and dated by the design engineer, and noting that the building as constructed did not vary from the design intent in such a way as to lower the EnergyStar rating below 97.

3.3.1.1.1

Input the energy performance as the ENERGY STAR® percentile score derived from the Target Finder program.

Status:

Likely to be Verified

Projected Points:

100

User Self-Evaluation Points:

100

Point Variance:

0

Assessor Comment

A copy of the EnergyStar Target Finder 'Statement of EnergyStar Design Intent' has been provided indicating that the project was designed to achieve a 97% EnergyStar rating. For the Green Globes final assessment, please provide a copy of this document signed, sealed and dated by the design engineer, and noting that the building as constructed did not vary from the design intent in such a way as to lower the EnergyStar rating below 97.

3.3.1.2.1

Is there a program or policy in place to compare actual performance data from the first year of operation with the energy design target?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.3.2.2.2

Is there an Energy Management System designed to reduce power demand below the non-reduced peak?

OR

Will power demand be controlled by the electric utility as per a load shedding agreement between the building owner and the utility?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.3.3.1.1.1

Is there metering (at the building level) for the following:

- Electricity?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, provide confirmation that a building level electrical meter has been installed, for example photographs of the installed equipment.

3.3.3.1.1.2

Is there metering (at the building level) for the following:

- Heating fuels?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, provide confirmation that a building level gas meter has been installed, for example photographs of the installed equipment.

3.3.3.1.2.1

Is there sub-metering installed for the following systems:

- Lighting and lighting controls by floor or by zones with floor areas no greater than 20,000 ft² (1860 m²)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required

3.3.3.1.2.2

Is there sub-metering installed for the following systems:

- Plug loads by floor or by zones no greater than 20,000 ft² (1860 m²)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required

3.3.3.1.2.3

Is there sub-metering installed for the following systems:

- Major electric HVAC equipment 5 HP or greater?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required

3.3.3.1.2.8

Is there sub-metering installed for the following systems:

- Critical HVAC controls?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required

3.3.3.2.1.1

Does the Energy Metering Reporting Plan include the following monitoring protocols (e.g. daily, monthly, seasonal, by floor, etc.)?

- Lighting and lighting controls: daily demand and consumption by floor or by zones with floor areas no greater than 20,000 ft² (1860 m²)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.3.3.2.1.2

Does the Energy Metering Reporting Plan include the following monitoring protocols (e.g. daily, monthly, seasonal, by floor, etc.)?

- Plug loads: daily demand and consumption by floor or by zones no greater than 20,000 ft² (1860 m²)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.3.4.1.1

Do the thermal resistance (R/RSI) values for all the opaque elements of the building envelope meet or exceed the values in Table 3.3.4.1.1-A (see Tooltip)?

OR

Do the thermal transmittance (U- /C- /F-factor) values for all the opaque elements of the building envelope meet or fall below the maximum values in Table 3.3.4.1.1-B (see Tooltip)?

Status:

Likely to be Verified

Projected Points:

10

User Self-Evaluation Points:

10

Point Variance:

0

Assessor Comment

The provided ComCheck envelope information indicates that the exterior wood frame construction has a U-factor of 0.054. The Green Globes Reference Manual table 3.3.4.1.1-B calls for a maximum U-factor of 0.051.table. Please clarify to ensure credit here.

3.3.4.2.1

Is the building oriented such that the ratio of the north/south fenestration area to the east/west fenestration area was between 1.25 and 2.00?

Status:

Likely to be Verified

Projected Points:

0.5

User Self-Evaluation Points:

0.5

Point Variance:

0

Assessor Comment

Please provide a supporting calculation to confirm that the north/south fenestration area to the east/west fenestration area is between 1.25 and 2.00.

3.3.4.3.1

Is the thermal transmittance (U-factor) of the building's fenestration system less than or equal to the values in Table 3.3.4.3: Building Envelope Requirements (see tooltip)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

The provided ComCheck information does not support compliance.

3.3.4.3.2

Is the Solar Heat Gain Coefficient (SHGC) of the building's fenestration system less than or equal to the values in Table 3.3.4.3: Building Envelope Requirements?

Status:

Likely to be Verified

Projected Points:

8

User Self-Evaluation Points:

8

Point Variance:

0

Assessor Comment

A window schedule has been provided, but it does not indicate the SHGC of the fenestration. The provided ComCheck indicate compliance. For the Green globes final assessment, please provide submittals confirming the SHGC of the fenestration.

3.3.5.2.1

How many light fixtures have time-scheduling devices and/or individual occupant-sensing devices?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide a fixture schedule and count, indicating which fixture are controlled by time clock or occupancy sensor, along with the total number of fixtures.

3.3.5.3.1

How many light fixtures have lighting controls that can reduce the lighting load by at least 50% from full lighting using any of the following technologies:

Dual switching of alternate rows or luminaires? Switching of individual lamps independently of adjacent lamps within a luminaire? Switching of each lamp or luminaire? Occupancy sensors within the space?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

If feasible, on future projects, consider the use of dual switching or dimming to reduce the lighting loads. This can save energy, and may increase user satisfaction with lighting.

3.3.5.5.1

Do all small daylit areas have manual or automatic photocell lighting controls?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.3.5.6.4

Will one of the following controls be installed for exterior lighting:

Lighting designated for dusk-to-dawn controlled by a photo sensor or astronomical time switch with 10-hour backup? Lighting not designated for dusk-to-dawn controlled by a time switch with 10-hour backup?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required

3.3.6.1.1

Is there a central Building Automation System (BAS) that encompasses all systems that affect building energy performance, lighting, and thermal comfort?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

A BAS is possible, but not typical, for this building type.

3.3.6.2.1

Does the cooling equipment base efficiency meet ANSI/ASHRAE/IES Standard 90.1-2010 efficiency requirements with respect to COP, EER and SEER?

Refer to Table 3.3.6.2.1: Cooling Equipment Base Efficiency to determine point eligibility.

If eligible, select "Yes" and use 3.3.6.2.1.1 to indicate the number of points that should be awarded.

If ineligible, select "No."

Select "N/A" if there is no mechanical cooling.

Status:

Likely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

The provided ComCheck indicates compliance at the design stage.

3.3.6.2.1.1

Indicate the number of points that should be awarded per Table 3.3.6.2.1: Cooling Equipment Base Efficiency (see Assessment Guidance).

Status:

Likely to be Verified

Projected Points:

2

User Self-Evaluation Points:

2

Point Variance:

0

Assessor Comment

The provided ComCheck indicates compliance at the design stage. For the Green Globes final assessment, please provide submittals confirming the SEER of the installed equipment.

3.3.6.2.2

Does the cooling equipment base efficiency exceed ANSI/ASHRAE/IES Standard 90.1-2010 or ANSI/ASHRAE/IESNA Standard 90.1-2007 with respect to:

Seasonal energy efficiency ratio (SEER)?

OR

Integrated part-load value (IPLV)?

AND

the Coefficient of performance (COP)?

OR

Energy efficiency ratio (EER)?

Refer to Table 3.3.6.2.2: Incremental Cooling Equipment Efficiency Improvement to determine point eligibility.

If eligible, select "Yes" and use 3.3.6.2.2.1 to indicate the number of points that should be awarded.

If ineligible, select "No."

Select "N/A" if there is no mechanical cooling.

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

The designed equipment does not comply.

3.3.6.4.1

What percentage does the heating efficiency for heat pump applications exceed ANSI/ASHRAE/IESNA STANDARD 90.1-2010, ANSI/ASHRAE/IESNA Standard 90.1-2007, or International Energy Conservation Code (IECC) 2009 requirements for one of the following:

Heating Seasonal Performance Factor (HSPF)? Coefficient of Performance (COP)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

The provided documents do not indicate compliance.

3.3.6.5.1

What percentage does the heating equipment exceed ANSI/ASHRAE/IESNA Standard 90.1-2010, ANSI/ASHRAE/IESNA Standard 90.1-2007, or International Energy Conservation Code (IECC) 2009 for one of the following:

Annual fuel utilization efficiency (AFUE)? Thermal efficiency (ET)? Combustion Efficiency (EC)?

Status:

Likely to be Verified

Projected Points:

6

User Self-Evaluation Points:

6

Point Variance:

0

Assessor Comment

The provided documents indicate compliance at the stated percentage. For the Green Globes final assessment, please provide documentation of compliance, for example submittals indicating that the installed equipment is at least as efficient as the designed equipment.

3.3.6.8.1

Do all domestic hot water heaters meet the efficiency requirements of ANSI/ASHRAE/IESNA STANDARD 90.1-2010, ANSI/ASHRAE/IESNA STANDARD 90.1-2007, or International Energy Conservation Code (IECC) 2009?

Status:

Likely to be Verified

Projected Points:

2

User Self-Evaluation Points:

2

Point Variance:

0

Assessor Comment

The design equipment indicates compliance. For the Green Globes final assessment, please provide submittals confirming that the installed equipment meets the required standards.

3.3.6.8.2

Are all domestic hot water heaters equipped with intermittent electrical igniters and low NOX burners?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.3.7.1.1

Does the HVAC design minimize or eliminate re-heat and re-cool?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.3.7.2.1

Are there air economizers with a mode that uses outdoor air for cooling in place of mechanical cooling?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.3.7.2.2

Are there controls to shut outdoor air and exhaust air dampers during periods when the system is not operating?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide a signed narrative on the engineer's letterhead explaining what controls are provided for the exhaust air.

3.3.7.2.3

Are the dampers in the air handling system "low leakage"?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.3.7.3.1.1

Does the duct distribution system comprise the following:

- Diffusers and registers sized with a full flow pressure drop no greater than 0.01 in (0.03 cm) of water column?

Status:

Likely to be Verified

Projected Points:

0.5

User Self-Evaluation Points:

0.5

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide a signed narrative on the engineer's letterhead confirming that diffusers and registers are sized with a full flow pressure drop no greater than 0.01 in (0.03 cm) of water column.

3.3.7.3.1.2

Does the duct distribution system comprise the following:

- Noise criteria (NC) of 35 or less?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.3.7.3.1.3

Does the duct distribution system comprise the following:

- Supply and return ductwork with a pressure drop no greater than 0.1 in (0.3 cm) of water column per 100 linear feet (30.5 linear meters)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.3.7.3.2.1

Are there the following requirements for flexible duct work:

- Flexible ductwork is no longer than 5 ft. (1.5 m) when fully stretched?

Status:

Likely to be Verified

Projected Points:

0.5

User Self-Evaluation Points:

0.5

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide a signed narrative on the engineer's letterhead confirming that flexible ductwork runs are no longer than 5 ft. (1.5 m) when fully stretched.

3.3.7.3.2.3

Are there the following requirements for flexible duct work:

- Durable elbow support is provided when flexible ductwork is used as an elbow?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.3.7.3.3

Are the duct joints sealed and have the seams been leak-tested and found to have an overall leak rate that does not exceed 5%?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.3.7.3.4

Do motors for fans meet NEMA's Premium® "Energy Efficiency Motor Program"?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.3.7.3.5

Are variable speed fans controlled by a duct pressure set-point or an energy management control system?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.3.7.4.1

Are there occupancy and/or CO2 sensors to control ventilation rates in regularly occupied spaces that may experience frequent variations in the number of occupants?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.3.7.4.2

Are the CO2 sensors capable of maintaining calibration within 2% for a one year period of operation?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.3.7.4.3.1

Do the ventilation heat recovery systems include the following:

- Pressure-drop impact on fan power?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.3.7.4.3.2

Do the ventilation heat recovery systems include the following:

- Bypass for economizer operation, if applicable?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.3.7.4.3.3

Do the ventilation heat recovery systems include the following:

- MERV 13 Filtration?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.3.7.5.1

Does the HVAC design utilize Variable Refrigerant Flow (VRF) system technology?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.3.8.1.1

Are there regenerative braking elevators?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.3.8.2.1.1

Is the building's energy efficiency increased through the use of one or more of the following energy efficient equipment:

- Energy efficient lighting fixtures, lamps, and ballasts?

Status:

Likely to be Verified

Projected Points:

2

User Self-Evaluation Points:

2

Point Variance:

0

Assessor Comment

For the final Green Globes assessment, please provide documentation of the energy efficient lighting provided in guest rooms, for example table lamps, desk lamps

3.3.8.2.1.2

Is the building's energy efficiency increased through the use of one or more of the following energy efficient equipment:

- Energy efficient motors?

Status:

Likely to be Verified

Projected Points:

2

User Self-Evaluation Points:

2

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide a signed narrative on the engineer's letterhead confirming what the energy efficient motors are, and where they are located.

3.3.8.2.1.3

Is the building's energy efficiency increased through the use of one or more of the following energy efficient equipment:

- Others?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.3.9.1.1

Has a study been conducted to determine the technical feasibility and life-cycle cost effectiveness of on-site renewable energy?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.3.9.1.2

Were the recommendations of the Feasibility Study implemented?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.3.9.2.1

Has the building owner committed to sign a contract to purchase either certified "green" power or certified renewable energy certificates (RECs) with a minimum three-year commitment; and if so, for what percentage of total electrical consumption of the building?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.3.10.2

Will there be designated preferred parking for car/van pooling, and shelter from weather for persons waiting for a lift?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.3.10.3

Are there alternative fuel re-fueling facilities or electric charging stations on site or in the general vicinity?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.3.10.4

Is the site located within 0.25 mi (0.4 km) of a public bicycle path, multi-user path, or on a road with an existing dedicated bicycle lane?

Status:

Likely to be Verified

Projected Points:

3

User Self-Evaluation Points:

3

Point Variance:

0

Assessor Comment

For the final Green Globes assessment, please provide documentation of the nearby bike path or bike lanes, for example a diagram or photos.

3.3.10.5

Is there sheltered bicycle parking for:

At least 5% of the maximum number of office building occupants?

or

At least 50% of units in a multi-family residential building?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.3.10.6

Is the building's walkability index greater than 75%?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.4.1.1

Using the Green Globes Water Consumption Calculator, is the projected water consumption of the building less than the given baseline?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.4.1.2.1

Are any of the following plumbing fixtures and fittings certified as being compliant with the requirements of the U.S. EPA's WaterSense Program?

- Toilets (Maximum effective flush volume 1.28 gallons)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.4.1.2.2

Are any of the following plumbing fixtures and fittings certified as being compliant with the requirements of the U.S. EPA's WaterSense Program?

- Urinals (Maximum effective flush volume 0.5 gallons)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.4.1.2.3

Are any of the following plumbing fixtures and fittings certified as being compliant with the requirements of the U.S. EPA's WaterSense Program?

- Showerheads (Maximum effective flow rate 2.0 gallons per minute)?

Status:

Likely to be Verified

Projected Points:

2

User Self-Evaluation Points:

2

Point Variance:

0

Assessor Comment

For the final Green Globes assessment, please provide submittals or cut sheets confirming the water flow characteristics of the installed shower heads.

3.4.1.2.4

Are any of the following plumbing fixtures and fittings certified as being compliant with the requirements of the U.S. EPA's WaterSense Program?

- Residential lavatory faucets (Maximum flow rate 1.5 gallons per minute)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.4.1.2.5

Are any of the following plumbing fixtures and fittings certified as being compliant with the requirements of the U.S. EPA's WaterSense Program?

- Residential kitchen faucets (Maximum flow rate 2.2 gallons per minute)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.4.1.2.6

Are any of the following plumbing fixtures and fittings certified as being compliant with the requirements of the U.S. EPA's WaterSense Program?

- Non-residential lavatory faucets (Maximum flow rate 0.5 gallons per minute)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.4.1.3

If any water fixtures not addressed by the WaterSense program requirements were used in the project design, were projected consumption rates for these fixtures determined and entered into the Green Globes Water Consumption Calculator?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.4.3.1.1

Do boilers and/or water heaters have the following features:

- Boilers and water heating systems of 50 bhp and above have a boiler feed makeup meter?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.4.3.1.2

Do boilers and/or water heaters have the following features:

- Boiler systems with over 50 bhp have condensate return systems?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.4.3.1.3

Do boilers and/or water heaters have the following features:

- Boilers have conductivity controllers?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.4.3.1.4

Do boilers and/or water heaters have the following features:

- Steam boilers have conductivity meters?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.4.4.1.1.1

Do food services avoid water intensive equipment as follows:

- There is no once-through water-cooled equipment?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Consider reviewing the installed kitchen equipment. If there is no once-through water cooled equipment, points may be available here.

3.4.4.1.1.2

Do food services avoid water intensive equipment as follows:

- There is no water-fed garbage disposal?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.4.4.1.2.2

Do the following appliances meet the prescribed limits for water usage:

- Pre-rinse spray valves for dish-rinsing consume 1.5 gal/min (5.7 L/min) or less?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.4.4.1.2.4

Do the following appliances meet the prescribed limits for water usage:

- Dishwashers consume 5.8 gal/cycle (22 L/cycle) or less?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.4.4.3.2

If an institutional/industrial laundry, are there the following types of washing machines:

Tunnel washing machine that is programmable to use a specific amount of water depending on the soiling of the material to be washed? That has a water consumption of 0.96 gal/lb. (8 L/kg); or less than 1.44 gal/lb. (12 L/kg)? That has a water recycling system?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.4.6.1

What percentage of water for non-potable uses will be harvested on-site or reclaimed?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.4.7.1

Is there sub-metering for all water-intensive indoor applications such as commercial kitchens, commercial laundry, labs, pools, spas, etc.?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.4.7.2

Is the potable water that is used for irrigation sub-metered?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.4.7.3

Are all water meters and sub-meters linked to a Meter Data Management System to store and report water consumption data?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.4.8.1

What percentage of exterior vegetated space does not require irrigation?

Status:

Likely to be Verified

Projected Points:

8

User Self-Evaluation Points:

8

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide an irrigation plan, marked up to indicate square footage of irrigated area, and square footage of landscaped, but non-irrigated areas.

3.4.8.2.1

Does the irrigation system include any of the following features:

- Gutter downspouts directed into planted areas or other landscape features?

OR

Onsite cisterns and/or rainwater harvesting system, or reclaimed water system?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.4.8.2.2

Does the irrigation system include any of the following features:

- Drip or low-volume irrigation?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.4.8.2.3

Does the irrigation system include any of the following features:

- EPA WaterSense/Smart Water Application Technology (SWAT), smart controllers (ET, rain sensors, or soil moisture sensors), and automatic rain shut off devices?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.4.8.2.4

Does the irrigation system include any of the following features:

- Capability to regulate precipitation rates on sprinkler heads for differing hydrozones?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.4.8.2.5

Does the irrigation system include any of the following features:

- Swing joints or flex pipes used on all in-ground irrigation heads?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.5.1

Green Globes provides two paths for assessing building core and shell:

Path A: Performance Path – up to 33 points

OR

Path B: Prescriptive Path – up to 20 (out of 33) points

Please select one of the following paths.

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.5.1.1.1

Was the Athena Impact Estimator for Buildings (Version 4.2 or later) used during design to evaluate a minimum of two different core and shell designs, based on life cycle assessment (LCA) in compliance with the assessment guidance and resulting in selection of the building core and shell with the least anticipated environmental impact?

OR

Was another LCA tool used during design to evaluate a minimum of two different core and shell designs, based on life cycle assessment (LCA) in compliance with the assessment guidance and resulting in selection of the building core and shell with the least anticipated environmental impact?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.5.2

Green Globes provides two paths for assessing Interior Fit-outs (including finishes and furnishings):

Path A: Performance Path – up to 16 points

OR

Path B: Prescriptive Path – up to 10 (out of 16) points

Please select one of the following paths.

Status:

Likely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide qualifying EPDs that amount at least 10% of the interior fit out material costs. A sample tracking spreadsheet has been uploaded under 3.5.2.2.1 to assist.

3.5.2.2.1

Based upon the appropriate application and specification of comparable materials and products, what percentage of the products selected for the building core and shell (based upon cost) have:

Environmental Product Declarations (EPDs) that utilize recognized Product Category Rules, conform to ISO standards, and minimally includes cradle-to-gate scope: Industry Wide (Generic) EPD: Products specified for the interior fit-out shall include Type III Environmental Product Declaration (EPD)?

AND/OR

Brand Specific EPD: Products specified for the building core and shell shall include Type III Environmental Product Declaration (EPD), where the EPDs are specific to particular products from identified manufacturers?

AND/OR

Third-party certifications that are based upon a multiple attribute standard(s) developed by a consensus based process from an approved standard development organization? Examples include NSF sustainability assessment standards, UL Environment sustainability standards, Sustainable Minds Transparency Report™ Framework, and other consensus based assessment standards that are multiple attribute-based.

AND/OR

Third-party verified product life cycle assessment based upon ISO 14040:2006 and ISO 14044:2006, and minimally covers cradle-to-gate scope?

AND/OR

Third-party sustainable forestry certifications?

Status:

Likely to be Verified

Projected Points:

5

User Self-Evaluation Points:

5

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide qualifying EPDs that amount at least 10% of the interior fit out material costs. A sample tracking spreadsheet has been uploaded here to assist.

3.5.3.3.3

Is there a requirement that the project will incorporate reused and off-site salvaged materials?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.5.4.1.1

What percentage of the construction waste, including building demolition waste, will be diverted from the landfill?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.5.4.2.1.1

Does the building design address operations-related recycling programs through one or more of the following:

- Operational flow for waste handling and storage facilities for recycling?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.5.4.2.1.2

Does the building design address operations-related recycling programs through one or more of the following:

- Storage areas for recyclable waste at points of service?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.5.4.2.1.3

Does the building design address operations-related recycling programs through one or more of the following:

- Storage areas for recyclable waste at pick-up areas?

Status:

Likely to be Verified

Projected Points:

0.5

User Self-Evaluation Points:

0.5

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, confirm installation of storage areas for recyclable waste, for example photos.

3.5.4.2.1.4

Does the building design address operations-related recycling programs through one or more of the following:

- Operational flow for handling and storage facilities for composting?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.5.5.1.1

Is there a preliminary Building Service Life Plan that includes the expected service life estimates for the following:

- The building?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.5.5.1.2

Is there a preliminary Building Service Life Plan that includes the expected service life estimates for the following:

- The structural systems, building envelope, and hardscape materials that will need to be replaced during the life of the building?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.5.5.1.3

Is there a preliminary Building Service Life Plan that includes the expected service life estimates for the following:

- The mechanical, electrical, plumbing, and energy generation systems that will require inspection and/or replacement during the service life of the building?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.5.5.2

Is there a schedule for maintenance, repair, and replacement for each building element, including the building fit-out (as applicable) for the duration of the building design life?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.5.6.1.1

Does the design specify the use of prefabricated, preassembled, and/or modular products?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.5.6.2.1

Does the design incorporate assemblies that perform multiple functions?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.5.6.3.1

Does the building design facilitate future deconstruction, demounting and disassembly, and re-configuration?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.5.7.1.1.1

Is there a requirement that roofing membrane assemblies and systems are to be:

- Installed as per manufacturers' instructions and recommendations?

Status:

Likely to be Verified

Projected Points:

1.5

User Self-Evaluation Points:

1.5

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please clarify where this requirement is in the project documents, or provide a signed narrative on the contractor's letterhead confirming that roofing membrane assemblies and systems are installed as per manufacturers' instructions and recommendations.

3.5.7.1.1.2

Is there a requirement that roofing membrane assemblies and systems are to be:

- Field-inspected by a roofing system manufacturer's technical personnel or RCI-certified third-party roofing inspector as per the prescribed industry protocol?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.5.7.2.1.1

Is there a requirement that building envelope flashings and sheet metal assemblies are to be:

- Installed as per prescribed industry best practice?

Status:

Likely to be Verified

Projected Points:

1.5

User Self-Evaluation Points:

1.5

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please clarify where this requirement is in the project documents, or provide a signed narrative on the contractor's letterhead confirming that building envelope flashings and sheet metal assemblies are installed as per manufacturers' instructions and recommendations.

3.5.7.2.1.2

Is there a requirement that building envelope flashings and sheet metal assemblies are to be:

- Inspected as per prescribed industry protocol?

Status:

Likely to be Verified

Projected Points:

1.5

User Self-Evaluation Points:

1.5

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide a copy of the envelope flashings and sheet metal assemblies inspection report.

3.5.7.3.1.1

Is there a requirement that all products for roof and wall openings (doors, windows, skylights etc.) are to:

- Comprise moisture management design that meets industry prescribed performance requirements?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please clarify where this requirement is in the project documents, or provide a signed narrative on the contractor's letterhead confirming that building roof and wall opening products are installed as per industry prescribed performance requirements.

3.5.7.3.1.2

Is there a requirement that all products for roof and wall openings (doors, windows, skylights etc.) are to:

- Be installed as per prescribed industry best practice?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please clarify where this requirement is in the project documents, or provide a signed narrative on the contractor's letterhead confirming that building roof and wall opening products are installed as per industry best practice.

3.5.7.3.1.3

Is there a requirement that all products for roof and wall openings (doors, windows, skylights etc.) are to:

- Be inspected as per the prescribed industry protocol, including field testing with respect to water penetration?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.5.8.1.1.3

Is there a requirement that newly installed foundation systems for conditioned spaces are to:

- Undergo field-inspection of all vapor retarder and waterproofing assemblies as per prescribed industry protocol?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide a copy of the field inspection reports.

3.5.8.1.2.1

Is there a requirement for the following damp-proofing measures to be applied to all newly installed foundation walls in contact with grade:

- 5% slope grade away indicated from the building for at least 10 ft. (3.05 m)?

Status:

Likely to be Verified

Projected Points:

0.5

User Self-Evaluation Points:

0.5

Point Variance:

0

Assessor Comment

The design documents indicate that drainage will be sloped away from the building. For the Green Globes final assessment please photos or field measurement to confirm.

3.5.8.1.2.2

Is there a requirement for the following damp-proofing measures to be applied to all newly installed foundation walls in contact with grade:

- Roof drainage to be directed at least 3 ft. (0.9 m) beyond the building overhang?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.5.8.1.2.3

Is there a requirement for the following damp-proofing measures to be applied to all newly installed foundation walls in contact with grade:

- A foundation drainage system?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

For the Green Globes final assessment please clarify where the requirement for a foundation drainage system is found in the project document, or provide field installations or other documentation to confirm installation.

3.5.9.1.1

Is there a requirement to install cladding systems as per industry best practices for one of the following:

Exterior Insulation Finishing Systems (EIFS) installed as water-managed systems in accordance with the manufacturers' requirements?

OR

Aluminum framed glazing systems installed in accordance with the manufacturer's requirements and warranted by the manufacturer for the intended purpose?

OR

Masonry veneer cladding installed in accordance with industry technical notes and bulletins?

OR

Architectural precast concrete cladding systems that incorporate pressure equalized two stage joints between precast concrete panels and adjacent cladding assemblies?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please clarify where this requirement is in the project documents, or provide a signed narrative on the contractor's letterhead confirming that precast concrete cladding is installed as per manufacturers' instructions and recommendations.

3.5.9.1.2

Is there a requirement to inspect the cladding installation as per the appropriate prescribed industry protocols for one of the following:

EIFS cladding systems?

OR

Aluminum framed glazing systems?

OR

Masonry veneer cladding?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide a copy of the field inspection report for the masonry veneer cladding.

3.5.9.1.3

Are joint sealers to be installed as per prescribed industry best practice, and field-inspected as per prescribed industry protocol?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide a copy of the field inspection report for the joint sealer installation.

3.5.9.2.1.1

Do the construction documents indicate that exterior rainscreen wall cladding systems specified over framed walls are to be installed with the following:

- A primary and secondary line of defense?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.5.9.2.1.2

Do the construction documents indicate that exterior rainscreen wall cladding systems specified over framed walls are to be installed with the following:

- An air barrier?

Status:

Likely to be Verified

Projected Points:

0.5

User Self-Evaluation Points:

0.5

Point Variance:

0

Assessor Comment

Photos have been provided showing the installation of the air barrier. For the Green Globes final assessment please provide cut sheets of submittals to confirm.

3.5.9.2.1.3

Do the construction documents indicate that exterior rainscreen wall cladding systems specified over framed walls are to be installed with the following:

- A means for incidental bulk water intrusion to escape the cladding system assembly?

Status:

Likely to be Verified

Projected Points:

0.5

User Self-Evaluation Points:

0.5

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide a detail or signed narrative on the architect's letterhead explaining the means for bulk water intrusion to escape the cladding assembly system.

3.5.9.2.2

Are rainscreen cladding assemblies required to pass requirements of AAMA 508-07 laboratory-testing?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.5.10.1.1

Do the construction documents indicate that a continuous air barrier will be installed according to the following practices:

- The air barrier material of each assembly detail shows an airtight and flexible joint between the air barrier material and adjacent assemblies?

Status:

Likely to be Verified

Projected Points:

0.5

User Self-Evaluation Points:

0.5

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide a design detail, or a signed narrative on the architect's letterhead confirming that each assembly detail shows an airtight and flexible joint between the air barrier material and adjacent assemblies.

3.5.10.1.2

Do the construction documents indicate that a continuous air barrier will be installed according to the following practices:

- The air barrier is designed to withstand positive and negative combined design wind, fan and stack pressures on the air barrier without damage or displacement?

Status:

Likely to be Verified

Projected Points:

0.5

User Self-Evaluation Points:

0.5

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide a design detail, or a signed narrative on the architect's letterhead confirming that the air barrier is designed to withstand positive and negative combined design wind, fan and stack pressures on the air barrier without damage or displacement.

3.5.10.1.1.3

Do the construction documents indicate that a continuous air barrier will be installed according to the following practices:

- The air barrier is designed to withstand movement in the structure and not displace materials under full load?

Status:

Likely to be Verified

Projected Points:

0.5

User Self-Evaluation Points:

0.5

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide a design detail, or a signed narrative on the architect's letterhead confirming that the air barrier is designed to withstand movement in the structure and not displace materials under full load.

3.5.10.1.1.4

Do the construction documents indicate that a continuous air barrier will be installed according to the following practices:

- Air barrier connection details are shown between: foundation and walls; walls and windows or doors; different wall systems; wall and roof; wall and roof over conditioned space or wall and ceiling under unconditioned space; walls, floors, and roof across construction, control, and expansion joints; walls, floors, and roof to utility, pipe, and duct penetrations?

Status:

Likely to be Verified

Projected Points:

0.5

User Self-Evaluation Points:

0.5

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide design details showing air barrier connections between the relevant construction elements.

3.5.10.1.2

Do the construction documents indicate compliance of the continuous air barrier for the opaque building envelope was demonstrated using one of the following strategies:

Materials tested in accordance with ASTM E2178-11 Standard Test Method for Air Permeance of Building Materials and determined that the air permeability of individual materials did not exceed 0.02 L/s-m² under a pressure differential of 75 Pa (0.004 cfm/ft² @ 0.3 in. w.g. (1.6 psf)). When all joints are sealed, materials meet this requirement?

OR

Assemblies tested in accordance with ASTM E2357-11 Standard Test Method for Determining Air Leakage of Air Barrier Assemblies, or ASTM E1677-11 Standard Specification for Air Barrier (AB) Material or System for Low-Rise Framed Building Walls, and determined that the average air leakage did not exceed 0.2 L/s-m² under a pressure differential of 75 Pa (0.04 cfm/ft² @ 0.3 in. w.g. (1.6 psf)). Concrete masonry walls that are sealed and painted do not have to be tested. When all joints are sealed, assemblies meet this requirement?

OR

Building tested with ASTM E779-03 Standard Test Method for Determining Air Leakage Rate by Fan Pressurization or an equivalent approved method and determined that the air leakage rate of the building envelope did not exceed 2.0 L/s-m² under a pressure differential of 75 Pa (0.4 cfm/ft² @ 0.3 in. w.g. (1.6 psf))?

Status:

Likely to be Verified

Projected Points:

2

User Self-Evaluation Points:

2

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide a copy of the building testing air leakage report.

3.5.10.2.1

Do the construction documents indicate that the interior side of framed walls in Climate Zones 5, 6, 7, 8 and Marine 4 are installed with a Class I or II vapor retarder that is in accordance with the International Energy Conservation Code (IECC) 2012, International Energy Conservation Code (IECC) 2007 Supplement, or International Building Code® (IBC) 2009 Section 1405.3?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide product cut sheets or submittals confirming that the installed vapor barrier with at least one of the required standards.

3.6.1

Green Globes provides two paths for assessing heating:

Path A: District Heating – up to 18 points

OR

Path B: Low Emission Boilers and Furnaces – up to 18 points

Please select a path. Select "N/A" if there are no boilers or furnaces and district heating is not available or applicable

Status:

Likely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Compliance is confirmed by the mechanical schedule. For the Green Globes final assessment, please provide cut sheets, submittals, or photos of nameplates to confirm the installed low NOX emission equipment.

3.6.1.2.1

Are there low or ultra-low NOX emission boilers and furnaces?

Status:

Likely to be Verified

Projected Points:

7

User Self-Evaluation Points:

7

Point Variance:

0

Assessor Comment

Compliance is confirmed by the mechanical schedule. For the Green Globes final assessment, please provide cut sheets, submittals, or photos of nameplates to confirm the installed low NOX emission equipment.

3.6.1.2.2

Are there low or ultra-low CO emission boilers and furnaces?

Status:

Likely to be Verified

Projected Points:

7

User Self-Evaluation Points:

7

Point Variance:

0

Assessor Comment

Compliance is confirmed by the mechanical schedule. For the Green Globes final assessment, please provide cut sheets, submittals, or photos of nameplates to confirm the installed low CO emission equipment.

3.6.2.3.1

Does cooling equipment (not including portable equipment) use refrigerants that have a low global warming potential (GWP100)?

or

Are there no refrigerants?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

The selected equipment uses R410a refrigerant, which does not qualify for Green Globes points.

3.6.3.1

Are there designated storage areas for hazardous materials / janitorial supplies with full-height, floor-to-floor walls and mechanical ventilation?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.71.1.1

Is the quantity of ventilation air for the building compliant with ANSI/ASHRAE Standard 62.1-2007, ANSI/ASHRAE Standard 62.1-2010, the International Code Council International Mechanical Code (ICC IMC), IAPMO UMC (2009): Uniform Mechanical Code, ASHRAE Standard 170-2008 (for hospitals or healthcare occupancies), or local codes or standards (if more stringent)?

Status:

Likely to be Verified

Projected Points:

7

User Self-Evaluation Points:

7

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide the ASHRAE 62.1-2010 ventilation calculations, including the guest rooms.

3.71.1.2

Do the construction documents indicate the ventilation schedule for all occupied spaces?

Status:

Likely to be Verified

Projected Points:

4

User Self-Evaluation Points:

4

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please ventilation rates for all spaces, or clarify where this information is in the provided documents.

3.71.2

Green Globes provides three paths for assessing air exchange:

Path A: Mechanical Ventilation Only – up to 8 points

OR

Path B: Natural Ventilation Only – up to 8 points

OR

Path C: Combination of Mechanical and Natural Ventilation – up to 8 points

Please select a path.

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.71.2.1.1

Is the zone air distribution effectiveness EZ value greater than or equal to 0.9 in all regularly occupied spaces, excluding circulation and transitional spaces?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.71.3.1.1

Are ventilation systems equipped with the following features:

- Exhaust outlets and plumbing vent stacks are located at least 20 ft (6.1 m) away from outdoor air intakes?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

For the final Green Globes assessment, please provide a diagram or signed narrative on the design engineer's letterhead indicating distances between exhaust outlets and outdoor air intake. Include distance from guest room exhausts to the PTAC units.

3.71.3.1.3

Are ventilation systems equipped with the following features:

- Outdoor air intakes are protected with 0.3 in (6.4 mm) or smaller mesh screens?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.71.3.1.4

Are ventilation systems equipped with the following features:

- For each air handling system in single or multiple arrangements, filters are compliant with ANSI/ASHRAE Standard 62.1-2010?

Status:

Likely to be Verified

Projected Points:

2

User Self-Evaluation Points:

2

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide a signed narrative on the design engineer's letterhead indicating ASHRAE filtration compliance, including PTAC units.

3.71.3.1.5

Are ventilation systems equipped with the following features:

- Outdoor air inlets and outlets, including louvers and rain hoods, are sized appropriately per ANSI/ASHRAE Standard 62.1-2010?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide a signed narrative on the design engineer's letterhead indicating the appropriate sizing of air inlets and outlets per ASHRAE 62.1-2010.

3.71.3.1.6

Are ventilation systems equipped with the following features:

- Except in transfer air ducts, all outdoor air, return air, and supply air ductwork avoids interior liner that could harbor microbial growth and/or erode in the air stream?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.71.4.1

Do rooms that are occupied by several people (e.g. open offices) and those that have variable occupancy (e.g. meeting rooms, assembly areas) have CO2 sensing and ventilation control equipment?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.71.5.1

Is air handling equipment equipped with MERV 13 filtration?

OR

Does terminal equipment have the highest filtration level available for the specific equipment under consideration, and main air handlers in terminal systems equipped with MERV 13 filtration?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.72.1.1

Is there a requirement that adhesives and sealants (not including carpet adhesives) will comply with prescribed limits of VOCs and/or be certified?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.72.1.2

Is there a requirement that carpet, carpet pad, and under-carpet adhesives will comply with the Carpet and Rug Institute's (CRI) Green Label Plus program?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.7.2.1.3

Is there a requirement that paints will comply with prescribed limits of VOCs and/or be certified?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.7.2.1.4

Is there a requirement that floors, floor coverings, and other interior products will comply with prescribed limits of VOCs and/or be certified?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.7.2.2.1.1

Are there the following measures to avoid fungus, mold, and bacteria:

- HVAC is able to monitor and control dew point?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.7.2.2.1.2

Are there the following measures to avoid fungus, mold, and bacteria:

- 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.)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.7.2.2.1.3

Are there the following measures to avoid fungus, mold, and bacteria:

- There are floor drains located in all areas where equipment failures may cause plumbing leaks or where certain operations may cause spills or overflows?

Status:

Likely to be Verified

Projected Points:

2

User Self-Evaluation Points:

2

Point Variance:

0

Assessor Comment

The design documents indicate compliance. For the Green Globes final assessment, please confirm with photos of installed equipment.

3.7.2.3.1.1

Are there the following measures to facilitate maintenance of HVAC equipment that require routine and periodic maintenance:

- Access to equipment complies with the 2009 International Code Council International Mechanical Code (ICC IMC 2009), 2009 Uniform Mechanical Code (IAPMO/ANSI UMC 1-2009), and the manufacturer published and/or suggested recommendations?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.7.2.3.1.2

Are there the following measures to facilitate maintenance of HVAC equipment that require routine and periodic maintenance:

- Distribution systems are installed in accordance with ANSI/ASHRAE Standard 62.1-2010, and SMACNA's HVAC Duct Construction Standards: Metal and Flexible 3rd Edition 2005?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.7.2.3.1.3

Are there the following measures to facilitate maintenance of HVAC equipment that require routine and periodic maintenance:

- Architectural features related to access are specified to be installed in accordance with the International Building Code® (IBC)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.7.2.3.1.4

Are there the following measures to facilitate maintenance of HVAC equipment that require routine and periodic maintenance:

- Access doors to HVAC are removable or have full degree swing?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

The equipment selected for this project may provide ready access doors or other access means that are removable or provide full degree swing. On this and future projects (and if applicable), consider provided a signed narrative on the design engineer's letterhead explaining how the installed equipment access qualifies for points here.

3.72.4.1

Are there carbon monoxide monitoring devices and alarms in enclosed areas where there are sources of combustion?

Status:

Likely to be Verified

Projected Points:

4

User Self-Evaluation Points:

4

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide cut sheets and photos of the installed CO monitoring devices.

3.72.6.1

Is the domestic hot water system designed to maintain hot water storage at or above 131° F (55° C)?

OR

Is there a tankless system?

Status:

Likely to be Verified

Projected Points:

2

User Self-Evaluation Points:

2

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide documentation that the DHW equipment maintains hot water storage at or above 131 degrees F, for example a photo of the temperature gauge indicating the ongoing storage temperature.

3.72.71

Are drain pans for dehumidifying cooling coils designed to properly capture and drain the condensate in the air handler in terms of the following:

Drain pans have a 1/8 inch slope per foot (10 mm slope per meter) in two directions toward the drain outlet? The drain opening is located at the lowest point of the drain pan? The drain pan is sufficiently wide to span the cooling coils and is sized to prevent overflow under peak dew point conditions? A P-trap or other seal prevents ingestion of air while allowing complete drainage?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.72.8.1.1

Are the following integrated pest management strategies used:

- Outdoor air inlets have insect screens of 18x14 mesh for plenum systems feeding multiple air handlers?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.7.2.8.1.2

Are the following integrated pest management strategies used:

- Structural and mechanical openings are fitted with permanent protection (e.g. screens, sealants, etc.)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.7.2.8.1.3

Are the following integrated pest management strategies used:

- Advertising signs and other assemblies affixed to the building façade are designed and constructed in a way that reduces bird habitation, and penetrations in the façade are sealed to prevent entry?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.7.2.8.1.4

Are the following integrated pest management strategies used:

- Mullions and ledges are less than 1 in (2.5 cm) deep to discourage bird roosting?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.7.2.8.2

Is there a sealed storage area for food/kitchen solid waste and recycling?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.7.2.9.1

Is there a construction management policy to prohibit smoking in the building and a provision to require that smoking be a minimum of 25 feet from the building with posted signage?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.7.2.9.2

Is there a requirement to post “No Smoking” signage in the building and near all building entrances and air intakes?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.7.2.9.3

Have the following measures been met in order to address radon:

A site-specific assessment of radon potential has been conducted? Radon mitigation measures are specified?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.7.2.10.1

Is there separate ventilation and/or physical isolation for specialized activities that generate pollutants?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please clarify which spaces are considered to have specialized activities and how they have separate ventilation from other activities.

3.7.2.10.2

Are the separate ventilation systems for specialized activities capable of maintaining on average, a negative pressure at least 5.0 Pascals (0.02 in of water gauge) on average?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.7.3.1.1

What percent of floor area occupied for critical visual tasks achieves a minimum daylight factor (DF) of 2 (excluding all direct sunlight penetration)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.7.3.1.2

What percentage of task areas were designed to have views to the exterior or atria within 25 ft. (7.6 m) from a window?

Status:

Likely to be Verified

Projected Points:

3

User Self-Evaluation Points:

3

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide a diagram or signed narrative on the architect's letter clarifying what areas are considered task areas, and how the 31% minimum is calculated.

3.7.3.1.4

Are there shading devices to eliminate direct sunlight from reaching task areas?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.7.3.1.5

What percentage of daylit areas are there photo-sensors to maintain consistent lighting levels throughout the day using both daylighting and artificial lighting?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.7.3.2.1

Do primary occupied spaces have the prescribed lighting levels for the types of tasks anticipated in the various building spaces?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.7.3.2.2

Has a lighting designer signed off on calculations that show that luminance ratios do not exceed the following as per IESNA for tasks:

3:1 between the task and adjacent surroundings? 10:1 between the task and remote (non-adjacent) surfaces? 20:1 between the brightest and darkest surface in the field of view? 8:1 between rows of luminaires where there is indirect lighting and where ceiling luminance exceeds 425 cd/m² (124.1 fL)?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.7.3.2.3

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:

850 cd/m² (248.1 fL) at 65° from the vertical? 350 cd/m² (102.2 fL) at 75° from the vertical? 175 cd/m² (51.1 fL) at 85° from the vertical?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.74.2.1

Has an Engineer signed off on the design that shows the building conforms to ANSI/ASHRAE Standard 55-2010 or ANSI/ASHRAE Standard 55-2004?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.75.1.1.3

Does the building design include the following acoustic design strategies:

- Entry doors to rooms opposite each other on the same corridor are staggered?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.75.1.1.4

Does the building design include the following acoustic design strategies:

- Through-wall penetrations comply with Annex B of ANSI/ASA S12.60-2010/Part 1?

Status:

Likely to be Verified

Projected Points:

0.5

User Self-Evaluation Points:

0.5

Point Variance:

0

Assessor Comment

For the Green Globes final assessment, please provide a signed narrative on an appropriate professional's letterhead confirming that through wall penetration comply with the referenced acoustic standard.

3.75.1.1.5

Does the building design include the following acoustic design strategies:

- Walls separating acoustically separated areas from other areas are constructed full height to underside of the next floor above or the roof deck?

Status:

Likely to be Verified

Projected Points:

1

User Self-Evaluation Points:

1

Point Variance:

0

Assessor Comment

The provided documents imply indicate that most partitions are 1 hour rated, which would qualify here. For the Green Globes final assessment, please provide clarification which areas are considered acoustically separated, and what the surrounding partition construction is - for example, a signed narrative on the architect's letterhead.

3.75.1.1.6

Does the building design include the following acoustic design strategies:

- Walls separating quiet areas from other areas have all joints and penetrations sealed with acoustical sealant?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0.5

Point Variance:

-0.5

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.75.1.2

Has an Acoustical Consultant or Acoustician signed off on the design that shows that open office areas conform to ASTM E1573-02 with respect to spatial uniformity, temporal uniformity, spectrum shape, and sound level?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.75.1.3.1

Has an Acoustical Consultant or Acoustician 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 (e.g. learning spaces), and adjacent spaces as follows and as applicable:

- STC-45 where the adjacent space is a corridor, stair, office, or conference room?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.75.1.3.2

Has an Acoustical Consultant or Acoustician 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 (e.g. learning spaces), and adjacent spaces as follows and as applicable:

- STC-50 where the adjacent space is a quiet area, speech clinic, health clinic, classroom, or an exterior wall?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.75.1.3.3

Has an Acoustical Consultant or Acoustician 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 (e.g. learning spaces), and adjacent spaces as follows and as applicable:

- STC-50 for doors to quiet areas?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.75.1.3.4

Has an Acoustical Consultant or Acoustician 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 (e.g. learning spaces), and adjacent spaces as follows and as applicable:

- STC-40 for doors to music rooms, cafeterias, natatoria (e.g. swimming pool), or gymnasias?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.75.1.3.5

Has an Acoustical Consultant or Acoustician 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 (e.g. learning spaces), and adjacent spaces as follows and as applicable:

- STC-35 for exterior windows?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.75.1.4

Does the Impact Insulation Class (IIC) design of all floor-ceiling assemblies have a minimum rating of IIC-50?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Item is indicated as 'No' in the survey. See recommendations.

3.75.1.5

Has an Acoustical Consultant or Acoustician 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:

0.6 seconds in spaces less than 10,000 cu. ft. in volume? 0.7 seconds in spaces 10,000 - 20,000 cu. ft. in volume? Compliance with Annex C of ANSI/ASA S12.60-2010/Part 1 in spaces larger than 20,000 cu. ft. in volume?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.75.2.1.1

Has an Acoustical Consultant or Acoustician signed off on a design that complies with minimum background sound levels associated with mechanical systems as follows:

- Airborne sound power levels from HVAC unit do not exceed the Room Criteria detailed in ASHRAE Systems Application Handbook 2007, Chapter 47, Table 42 for listed spaces when HVAC units are in operation?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.75.2.1.2

Has an Acoustical Consultant or Acoustician signed off on a design that complies with minimum background sound levels associated with mechanical systems as follows:

- Spaces are designed such that room background noise using the Room Criteria (RC) ratings complies with ASHRAE Systems Application Handbook-2007, Chapter 47, Table 42.

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.75.2.2.1

Has an Acoustical Consultant or Acoustician signed off on the design such that there are the following measures to minimize airborne noise from the HVAC system:

- Duct transitions are spread out and graduated to minimize generation of turbulence and air flow separations?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.7.5.2.2.2

Has an Acoustical Consultant or Acoustician signed off on the design such that there are the following measures to minimize airborne noise from the HVAC system:

- Secondary attenuators are located immediately downstream of duct fittings that would otherwise generate noise?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.7.5.2.2.3

Has an Acoustical Consultant or Acoustician signed off on the design such that there are the following measures to minimize airborne noise from the HVAC system:

- Air flow velocities in low pressure ductwork did not exceed the following values?

For main duct trunk lines: 900 f/m (4.5 m/s) For branch ducts: 700 f/m (3.5 m/s) For final run outs: 400 f/m (2.0 m/s) For main vertical ducts in shafts: 1200 f/m (6 m/s)

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.75.2.2.4

Has an Acoustical Consultant or Acoustician signed off on the design such that there are the following measures to minimize airborne noise from the HVAC system:

- Where significant cross talk paths exist between two habitable spaces, there are sound attenuators and/or silencers, or ducts are designed in a "Z" configuration?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.75.2.2.5

Has an Acoustical Consultant or Acoustician signed off on the design such that there are the following measures to minimize airborne noise from the HVAC system:

- HVAC grilles and diffusers were selected that comply with ANSI/ASA S12.60-2010/Part 1?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.7.5.2.3.1

Has an Acoustical Consultant or Acoustician signed off on the design such that it adheres to the following best practices to minimize structure-borne noise from the HVAC system:

- Fans and other powered HVAC equipment are acoustically separated from the structure using vibration isolators?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.7.5.2.3.2

Has an Acoustical Consultant or Acoustician signed off on the design such that it adheres to the following best practices to minimize structure-borne noise from the HVAC system:

- Ducts are supported on resilient mounts to isolate them from the structural system, and ducts are isolated using resilient material where they pass through walls?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.75.2.4.1

Has an Acoustical Consultant or Acoustician signed off on the design such that it adheres to the following best practices to mitigate noise from the plumbing system:

- Piping was not run above quiet areas and learning spaces with the exception of sprinklers and radiant heating systems?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.75.2.4.2

Has an Acoustical Consultant or Acoustician signed off on the design such that it adheres to the following best practices to mitigate noise from the plumbing system:

- Waste water piping noise is mitigated using cast iron pipe or with acoustic insulation above quiet areas and learning spaces, and a water hammer arrester was used?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.75.2.5.1

Has an Acoustical Consultant or Acoustician signed off on the design such that it complies with the following best practices to minimize noise from the electrical system:

- Low-noise ballasts are installed in quiet areas and all other areas where speech intelligibility is important?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.

3.75.2.5.2

Has an Acoustical Consultant or Acoustician signed off on the design such that it complies with the following best practices to minimize noise from the electrical system:

- Noise from light fixtures and other electrical fixtures does not exceed values indicated in ANSI/ASA S12.60-2010/Part 1?

Status:

Unlikely to be Verified

Projected Points:

0

User Self-Evaluation Points:

0

Point Variance:

0

Assessor Comment

Based on the survey response of 'No', this item will not be achieved. No action is required.