

MONTGOMERY GARAGE: GREEN BY DESIGN



MATERIALS AND RESOURCES



Recycled and Regional Materials

Montgomery Garage designed with the intent to reduce the amount of virgin materials used in construction by using materials with a high level of recycled content, such as the steel structure. The use of materials from local and regional manufacturers helps decrease the environmental impacts associated with material transportation.

ENERGY & ATMOSPHERE



Optimized Energy Performance

Building lighting systems are optimized to reduce the environmental and economic impacts associated with excessive energy use.



Enhanced Refrigerate Management

Montgomery Garage building systems minimize the emissions of compounds that contribute to ozone depletion.

INDOOR ENVIRONMENTAL QUALITY



Low Emitting Materials

This project used low-emitting materials in construction, including low-emitting adhesives, sealants, paints, coatings, and floor systems. These materials reduce the concentration of volatile organic compounds inside the building to provide a healthier indoor environment.



Environmental Tobacco Smoke (ETS) Control

The project minimizes exposure to ETS-containing air by prohibiting smoking on-site.

SUSTAINABLE SITES



Stormwater Design

Prior to the development of this project, the existing site imperviousness was greater than 50%. A storm water management plan was implemented as part of the project such that the post-development site runoff quantity has been reduced by more than 80%.



Cool Roof

Montgomery Garage has a highly reflective roof to reduce cooling costs and the heat island effect. This "cool roof" reflects and emits the sun's heat back to the sky instead of transferring it to the building below.



Public Transportation

Located within 1/2 mile of bus, subway and regional rail services, the garage is well connected to the regional transit system.



Preferred Parking

The garage provides preferred parking spaces for low-emitting and fuel-efficient vehicles for 5% of total parking capacity.

WATER EFFICIENCY



Low Flow Fixtures

This building features low flow fixtures, which help to conserve water.



LEED 2009 for New Construction and Major Renovations

Montgomery Avenue Mixed-Use Garage
LEED Silver Certified on 22 June 2015

Project Checklist

Possible Points: 26

| Y | ? | N | Disc | Points | Notes |
|---|---|---|--|--------|---|
| Y | | | Prevent 1 Construction Activity Pollution Prevention | 1 | |
| 1 | | | credit 1 Site Selection | 1 | |
| 5 | | | credit 7 Development Priority and Community Connectivity | 5 | |
| | | | credit 3 Brownfield Redevelopment | 1 | |
| 6 | | | credit 4.1 Alternative Transportation—Public Transportation Access | 6 | |
| 2 | | | credit 4.2 Alternative Transportation—Bicycle Storage and Changing Rooms | 1 | |
| 3 | | | credit 4.3 Alternative Transportation—Low-Emitting and Fuel-Efficient Vehicles | 2 | |
| | | | credit 4.4 Alternative Transportation—Parking Capacity | 1 | |
| | | | credit 5.1 Site Development—Protect or Restore Habitat | 1 | |
| | | | credit 5.2 Site Development—Maximize Open Space | 1 | |
| 1 | | | credit 4.1 Stormwater Design—Quantity Control | 1 | |
| 1 | | | credit 4.2 Stormwater Design—Quality Control | 1 | |
| 1 | | | credit 7.1 Heat Island Effect—Roof | 1 | |
| 1 | | | credit 7.2 Heat Island Effect—Roof | 1 | |
| 1 | | | credit 9 Light Pollution Reduction | 1 | 83% decrease in volume of stormwater runoff |

Possible Points: 10

| Y | ? | N | Points | Notes | |
|---|---|---|---|--------|--|
| Y | | | Prevent 1 Water Use Reduction—20% Reduction | 2 to 4 | |
| 4 | | | credit 1 Water Efficient Landscaping | 2 | |
| | | | Reduce by 50% | 2 | |
| | | | X No Potable Water Use or Irrigation | 4 | |
| 2 | | | credit 2 Innovative Waterwise Technologies | 2 | 86% reduction of potable water use for sewage conveyance |
| | | | Water Use Reduction | 2 to 4 | |
| 3 | | | credit 3 Water Use Reduction | 2 | |
| | | | Reduce by 30% | 2 | |
| | | | X Reduce by 35% | 3 | |
| | | | Reduce by 45% | 4 | 37% reduction |

Possible Points: 35

| Y | ? | N | Points | Notes | |
|---|---|---|--|---------|-----------------------------------|
| Y | | | Prevent 1 Fundamental Commissioning of Building Energy Systems | 1 to 19 | |
| Y | | | Prevent 2 Minimum Energy Performance | 1 to 7 | Improved by 24.56% above baseline |
| Y | | | Prevent 3 Fundamental Refrigerant Management | 1 to 7 | |
| 7 | | | credit 1 Optimize Energy Performance | 2 | |
| | | | credit 2 On-Site Renewable Energy | 2 | |
| | | | credit 3 Enhanced Commissioning | 2 | |
| 2 | | | credit 4 Enhanced Refrigerant Management | 2 | |
| | | | credit 5 Measurement and Verification | 3 | |
| | | | credit 6 Green Power | 2 | |

Possible Points: 14

| Y | ? | N | Points | Notes | |
|---|---|---|--|--------|-------------------------------|
| Y | | | Prevent 1 Storage and Collection of Recyclables | 1 to 3 | |
| | | | credit 1.1 Building Reuse—Maintain Existing Walls, Floors, and Roof | 1 | |
| | | | credit 1.2 Building Reuse—Maintain 50% of Interior Non-Structural Elements | 1 to 2 | |
| | | | credit 2 Construction Waste Management | 1 | |
| | | | 50% Recycled or Salvaged | 2 | |
| | | | X 75% Recycled or Salvaged | 1 to 2 | 77%w/u LEED approved document |
| 2 | | | credit 3 Materials Reuse | 1 to 2 | |
| | | | Recycled Content | 1 | |
| | | | credit 4 10% of Content | 2 | |
| | | | X 20% of Content | 2 | |
| 2 | | | credit 5 Regional Materials | 1 to 2 | |
| | | | 10% of Materials | 1 | |
| | | | X 20% of Materials | 2 | |
| | | | credit 6 Rapidly Renewable Materials | 1 | |
| | | | credit 7 Certified Wood | 1 | |

Indoor Environmental Quality

Possible Points: 15

| Y | ? | N | Points | Notes | |
|---|---|---|---|-------|--|
| Y | | | Prevent 1 Minimum Indoor Air Quality Performance | | |
| Y | | | Prevent 2 Environmental Tobacco Smoke (ETS) Control | | |
| | | | credit 1 Outdoor Air Delivery Monitoring | 1 | |
| | | | credit 2 Increased Ventilation | 1 | |
| 1 | | | credit 3.1 Construction IAQ Management Plan—During Construction | 1 | |
| 1 | | | credit 3.2 Construction IAQ Management Plan—Before Occupancy | 1 | |
| 1 | | | credit 4.1 Low-Emitting Materials—Adhesives and Sealants | 1 | |
| 1 | | | credit 4.2 Low-Emitting Material—Paints and Coatings | 1 | |
| 1 | | | credit 4.3 Low-Emitting Materials—Flooring Systems | 1 | |
| 1 | | | credit 4.4 Low-Emitting Materials—Composite Wood and Agrifiber Products | 1 | |
| | | | credit 5 Indoor Chemical and Pollutant Source Control | 1 | |
| | | | credit 6.1 Controllability of Systems—Lighting | 1 | |
| | | | credit 6.2 Controllability of Systems—Thermal Comfort | 1 | |
| 1 | | | credit 7.1 Thermal Comfort—Design | 1 | |
| | | | credit 7.2 Thermal Comfort—Verification | 1 | |
| | | | credit 8.1 Daylight and Views—Daylight | 1 | |
| | | | credit 8.2 Daylight and Views—Views | 1 | |

Innovation and Design Process

Possible Points: 6

| Y | ? | N | Points | Notes | |
|---|---|---|---|-------|--|
| 1 | | | credit 11 Innovation in Design—Specific Title | 1 | |
| | | | credit 12 Innovation in Design—Specific Title | 1 | |
| | | | credit 13 Innovation in Design—Specific Title | 1 | |
| | | | credit 14 Innovation in Design—Specific Title | 1 | |
| | | | credit 15 Innovation in Design—Specific Title | 1 | |
| 1 | | | credit 2 LEED Accredited Professional | 1 | |

Regional Priority Credits

Possible Points: 4

| Y | ? | N | Points | Notes | |
|---|---|---|---|-------|--|
| | | | credit 11 Regional Priority—Specific Credit | 1 | |
| | | | credit 12 Regional Priority—Specific Credit | 1 | |
| | | | credit 13 Regional Priority—Specific Credit | 1 | |
| | | | credit 14 Regional Priority—Specific Credit | 1 | |

Total

Possible Points: 110

51 0 0

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