



400 MASS AVE – LEED CONSIDERATIONS

The improvements at 400-402 Massachusetts Avenue will look to incorporate the items below per 'LEED_v4.1_Residential_BD_C_Multifamily_Homes' to support the sustainable building practices goal in Arlington, MA.

LOW EMITTING MATERIALS

These materials are to be integrated to reduce concentrations of chemical contaminants that can damage air quality, human health, productivity, and the environment. Some of these building materials are as follows:

-Paints and Coatings

At least 75% of all paints and coatings, by volume or surface area, are to meet the VOC emissions evaluation AND 100% meet the VOC content evaluation.

-Adhesives and Sealants

At least 75% of all adhesives and sealants, by volume or surface area, are to meet the VOC emissions evaluation AND 100% meet the VOC content evaluation

-Flooring

At least 90% of all flooring materials (carpet, ceramic, vinyl, rubber, engineered, solid wood, laminates), by cost or surface area, is to meet the VOC emissions evaluation OR inherently non emitting sources criteria, OR salvaged and reused materials criteria.

INDOOR AIR QUALITY

The LEED objective is to establish better quality indoor air in the building after construction and during occupancy. Before each dwelling unit is occupied, air cleaning, a flush-out with a recirculating HEPA Air Filtration Device, and air testing in the unit to Demonstrate that 10 micron particles do not exceed 8 µg/m³ should be performed.

ACCESS TO QUALITY TRANSIT

Functional entry is located within ¼ mile walking distance to existing bus stop.

ENVIRONMENTALLY PREFERABLE PRODUCTS

At least 70% of each new compliant building component (floor covering, insulation, framing/structural systems, drywall, doors cabinets, countertops and/or interior trim), by weight or volume, will aim meet one of the requirements below:

The product contains at least 25% reclaimed material, including salvaged, refurbished, or reused materials. For renovation projects, existing components are considered reclaimed. Wood by-products can be counted as reclaimed material. These include items from secondary manufacturers; felled, diseased, or dead trees from urban or suburban areas; orchard trees that are unproductive and cut for replacement; and wood recovered from landfills or water bodies.

The product contains at least 25% postconsumer or 50% pre consumer content.



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Wood products must be Forest Stewardship Council (FSC) Certified, or USGBC-approved equivalent.

Bio-based materials. Bio-based products must meet the Sustainable Agriculture Network's Sustainable Agriculture Standard. Bio-based raw materials must be tested using ASTM Test Method D6866 and be legally harvested, as defined by the exporting and receiving country. Exclude hide products, such as leather and other animal skin material.

Concrete that consists of at least 30% fly ash or slag used as a cement substitute.

Extended producer responsibility. Products purchased from a manufacturer (producer) that participates in an extended producer responsibility program or is directly responsible for extended producer responsibility.

WATER USE REDUCTION

The project will seek to reduce aggregate water consumption by 20% from the baseline for each new fixture (toilets, showerheads, dishwashers, etc.)

MINIMUM ENERGY PERFORMANCE

For new dwelling units, heating and cooling systems will look to meet the following equipment selection sizing guidelines, or next nominal size:

Cooling Equipment:

Single-Speed Compressor: 90-130% of total heat gain

Two-Speed Compressor: 90-140% of total heat gain

Variable-Speed Compressor: 90-160% of total heat gain

Heating Equipment:

100-140% of total heat loss AND energy performance compliance.