DeHority	
ANCE	
lame DeHority Complex Renovation	GBCI [™]

Pts Achieved

Is this project confidential? Confidential projects are not listed on GBCI's searchable online directory of registered and certified projects.

Certification Level

Yes, this project is confidential.

CERTIFICATION ACCEPT

Project ID (ex.10000001)

LEED Rating System

Acceptance Date

No, this project is not confidential. Project information may be posted online and included on GBCI-distributed project lists.

Please choose one of the options below:

- We accept GBCl's Final Review ruling and will not appeal.

 Please return completed form to Emily Purcell at epurcell@gbci.org. The individual listed below will receive plaque and certificate order information within 5 business days.
- We will appeal the Final Review.

 Please return completed form to the LEED Certification Team and submit documentation and payment within 30 days according to the appeal procedure outlined below.

The individual listed below will be asked to provide further detail regarding plaque and certificate orders as well as shipping preferences.

Contact Name Craig Flandermeyer

Contact Telephone 317.263.6226 Contact Email cflandermeyer@schmidt-arch.com

LEED® Certification Appeal Procedure

If an appeal is pursued, please note that a different review team may be assessing the appeal documentation; be sure to include all the information requested below. For projects using LEED-Online, all appeals must be submitted via LEED-Online.

Appeal documentation must contain the following information:

- 1) LEED registration information, including project ID, project contact, owner, project type, project size, number of occupants, date of construction completion, etc.
- 2) An overall project narrative including at least three project highlights.
- 3) The LEED Project Checklist/Scorecard indicating projected prerequisites and credits and the total score for the project.

 (If mixed submittal, LEED v2.0 credits are to be noted as such in LEED v2.1 Letter Template Credit Summary or similar format.)
- 4) Drawings and photos (8.5x11 or 11x17) illustrative of the project, including: site plan, typical floor plan, typical building section, typical or primary elevation, AND photo or rendering of project
- 5) Original, re-submittal, and appeal submittal documentation for appealed credits ONLY. It is helpful to include a narrative for each appealed credit to describe how the documents address the reviewers' comments and concerns. Please note that all provided documents will be considered as part of the appeal process.

For projects not using LEED-Online, please submit two copies of the appeal information in a three-ring binder or on a compact disc (PC compatible) to the attention of the LEED Certification Team at GBCI, address below. Remember to include a check with your hard copy submittal, payable to the Green Building Certification Institute, in the amount of \$500 per credit or prerequisite appealed.

Visit us at http://www.gbci.org/ProjectCertification for more information on the LEED certification process.

SECTION 01352 LEED REQUIREMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes general requirements and procedures for compliance with certain U.S. Green Building Council's (USGBC) LEED prerequisites and credits needed for the Project to obtain LEED Silver certification.
 - Other LEED prerequisites and credits needed to obtain LEED certification are dependent on material selections and may not be specifically identified as LEED requirements. Compliance with requirements needed to obtain LEED prerequisites and credits may be used as one criterion to evaluate substitution requests.
 - 2. Additional LEED prerequisites and credits needed to obtain the indicated LEED certification are dependent on the Architect's design and other aspects of the Project that are not part of the Work of the Contract.

B. Related Sections include the following:

- 1. Divisions 1 through 16 Sections for LEED requirements specific to the Work of each of those Sections. These requirements may or may not include reference to LEED.
- 2. Division 1 Section "Price and Payment Procedures" for coordinating the Contractor's applications for payment with LEED submittal documents.

1.3 DEFINITIONS

- A. LEED: Leadership in Energy & Environmental Design.
- B. Regionally Manufactured Materials: Materials that are manufactured within a radius of 500 miles (800 km) from the Project location. Manufacturing refers to the final assembly of components into the building product that is installed at the Project site.
- C. Regionally Extracted, Harvested, or Recovered Materials: Materials that are extracted, harvested, or recovered and manufactured within a radius of 500 miles (800 km) from the Project site.
- D. Recycled Content: The percentage by weight of constituents that have been recovered or otherwise diverted from the solid waste stream, either during the manufacturing process (pre-consumer), or after consumer use (post-consumer).

- 1. Spills and scraps from the original manufacturing process that are combined with other constituents after a minimal amount of reprocessing for use in further production of the same product are not recycled materials.
- 2. Discarded materials from one manufacturing process that are used as constituents in another manufacturing process are pre-consumer recycled materials.

1.4 SUBMITTALS

- A. General: Submit additional LEED submittal requirements included in other sections of the Specifications.
- B. LEED submittals are in addition to other submittals. If submitted item is identical to that submitted to comply with other requirements, submit duplicate copies as a separate submittal to verify compliance with indicated LEED requirements.
- C. Project Materials Cost Data: Provide statement indicating total cost for building materials used for Project. Include statement indicating total cost of mechanical and electrical components.
- D. LEED Action Plans: Provide preliminary submittals within 14 days of date established for the Notice to Proceed indicating how the following requirements will be met.
 - 1. Credit MR 2.1 and 2.2: Waste management plan complying with Division 1 Section "Construction Waste Management."
 - 2. Credit MR 4.1 and 4.2: List of proposed materials with recycled content.
 - a. Indicate cost, post-consumer recycled content, and pre-consumer recycled content for each product having recycled content.
 - 3. Credit MR 5.1 and 5.2: List of proposed regionally manufactured materials and regionally extracted, harvested, or recovered materials.
 - a. Identify each regionally manufactured material, its source, and cost.
 - b. Identify each regionally extracted, harvested or recovered material, its source, and cost.
 - 4. Credit EQ 3.1: Construction indoor air quality management plan.
- E. LEED Progress Reports: Concurrent with each Application for Payment, submit reports comparing actual construction and purchasing activities with LEED action plans for the following:
 - 1. Credit MR 2.1 and 2.2: Waste reduction progress reports complying with Division 1 Section "Construction Waste Management."
 - 2. Credit MR 4.1 and 4.2: Recycled content.
 - 3. Credit MR 5.1 and 5.2: Regionally manufactured materials and regionally extracted, harvested, or recovered materials.
- F. LEED Documentation Submittals:

- 1. Credit SS 8.0: Product Data for interior and exterior lighting fixtures that stop direct-beam illumination from leaving the building site.
- 2. Credit WE 3.1 and 3.2: Product Data for plumbing fixtures indicating water consumption.
- 3. Credit EA 4.0: Product Data for new HVAC equipment indicating absence of HCFC refrigerants.
- 4. Credit EA 5.0: Product Data and wiring diagrams for sensors and data collection system used to provide continuous metering of building energy and water consumption performance over time.

Credit MR 2.1 and 2.2: Comply with Division 1 Section "Construction Waste Management."

- 6. Credit MR 4.1 and 4.2: Product Data and certification letter indicating percentages by weight of post-consumer and pre-consumer recycled content for products having recycled content. Include statement indicating costs for each product having recycled content.
- 7. Credit MR 5.1 and 5.2: Product Data indicating location of material manufacturer for regionally manufactured materials.
 - a. Include statement indicating cost and distance from manufacturer to Project for each regionally manufactured material.
 - b. Include statement indicating cost and distance from point of extraction, harvest, or recovery to Project for each raw material used in regionally manufactured materials.
 - 8. Credit EQ 1.0: Product Data and Shop Drawings for carbon dioxide monitoring system.
 - 9. Credit EQ 3.1:
 - a. Construction indoor air quality management plan.
 - b. Product Data for temporary filtration media.
 - c. Product Data for filtration media used during occupancy.
 - d. Construction Documentation: Six photographs at three different occasions during construction along with a brief description of the SMACNA approach employed, documenting implementation of the IAQ management measures, such as protection of ducts and on-site stored or installed absorptive materials.

10. Credit EQ 3.2:

- a. Signed statement describing the building air flush-out procedures including the dates when flush-out was begun and completed and statement that filtration media was replaced after flush-out.
- b. Product Data for filtration media used during flush-out and during occupancy.
- c. Report from testing and inspecting agency indicating results of IAQ testing and documentation showing conformance with IAQ testing procedures and requirements.
- 11. Credit EQ 4.1: Product Data for adhesives and sealants used on the interior of the building indicating VOC content of each product used. Indicate VOC content in g/L calculated according to 40 CFR 59, Subpart D (EPA method 24).
- 12. Credit EQ 4.2: Product Data for paints and coatings used on the interior of the building indicating chemical composition and VOC content of each product used. Indicate VOC content in g/L calculated according to 40 CFR 59, Subpart D (EPA method 24).
- 13. Credit EQ 4.3: Product Data for carpet products indicating VOC content of each product used.
- 14. Credit EQ 4.4: Product Data for composite wood and agrifiber products indicating that products contain no urea-formaldehyde resin.

- a. Include statement indicating adhesives and binders used for each product.
- 15. Credit EQ 6.2: Product Data and Shop Drawings for sensors and control system used to provide individual airflow and temperature controls for minimum 50 percent of non-perimeter, regularly occupied space.
- 16. Credit EQ 7: Product Data and Shop Drawings for sensors and control system used to monitor and control room temperature and humidity.

PART 2 - PRODUCTS

RECYCLED CONTENT OF MATERIALS 2.1

- A. Credits MR 4.1 and MR 4.2: Provide building materials with recycled content such that post-consumer recycled content plus one-half of pre-consumer recycled content constitutes a minimum of 10 percent of the cost of materials used for the Project.
 - 1. The cost of post-consumer recycled content of an item shall be determined by dividing the weight of post-consumer recycled content in the item by the total weight of the item and multiplying by the cost of the item.
 - 2. The cost of post consumer recycled content plus one-half of pre-consumer recycled content of an item shall be determined by dividing the weight of post-consumer recycled content plus one-half of pre-consumer recycled content in the item by the total weight of the item and multiplying by the cost of the item.
 - 3. Do not include mechanical and electrical components in the calculation.
 - 4. Recycled content of materials shall be defined according to the Federal Trade Commission's "Guide for the Use of Environmental Marketing Claims," 16 CFR 260.7 (e).

REGIONAL MATERIALS 2.2

- A. Credit MR 5.1: Provide 20 percent of building materials (by cost) that are regionally manufactured materials.
- B. Credit MR 5.2: Of the regionally manufactured materials required by Paragraph "Credit MR 5.1" above, provide at least 50 percent (by cost) that are regionally extracted, harvested, or recovered materials.

LOW-EMITTING MATERIALS 2.3

- A. Credit EQ 4.1: For interior applications use adhesives and sealants that comply with the following limits for VOC content when calculated according to 40 CFR 59, Subpart D (EPA method 24):
 - 1. Wood Glues: 30 g/L.
 - 2. Metal to Metal Adhesives: 30 g/L.
 - 3. Adhesives for Porous Materials (Except Wood): 50 g/L.
 - 4. Subfloor Adhesives: 50 g/L.

- 5. Plastic Foam Adhesives: 50 g/L.
- 6. Carpet Adhesives: 50 g/L.
- 7. Carpet Pad Adhesives: 50 g/L.
- 8. VCT and Asphalt Tile Adhesives: 50 g/L.
- 9. Cove Base Adhesives: 50 g/L.
- 10. Gypsum Board and Panel Adhesives: 50 g/L.
- 11. Rubber Floor Adhesives: 60 g/L.
- 12. Ceramic Tile Adhesives: 65 g/L.
- 13. Multipurpose Construction Adhesives: 70 g/L.
- 14. Fiberglass Adhesives: 80 g/L.
- 15. Structural Glazing Adhesives: 100 g/L.
- 16. Wood Flooring Adhesive: 100 g/L.
- 17. Contact Adhesive: 250 g/L.
- 18. Plastic Cement Welding Compounds: 350 g/L.
- 19. ABS Welding Compounds: 400 g/L.
- 20. CPVC Welding Compounds: 490 g/L.
- 21. PVC Welding Compounds: 510 g/L.
- 22. Adhesive Primer for Plastic: 650 g/L.
- 23. Sealants: 250 g/L.
- 24. Sealant Primers for Nonporous Substrates: 250 g/L.
- 25. Sealant Primers for Porous Substrates: 775 g/L.
- B. Credit EQ 4.2: For interior applications use paints and coatings that comply with the following limits for VOC content when calculated according to 40 CFR 59, Subpart D (EPA method 24) and the following chemical restrictions:
 - 1. Flat Paints and Coatings: VOC not more than 50 g/L.
 - 2. Non-Flat Paints and Coatings: VOC not more than 150 g/L.
 - 3. Anti-Corrosive Coatings: VOC not more than 250 g/L.
 - 4. Varnishes and Sanding Sealers: VOC not more than 350 g/L.
 - 5. Stains: VOC not more than 250 g/L.
 - 6. Aromatic Compounds: Paints and coatings shall not contain more than 1.0 percent by weight total aromatic compounds (hydrocarbon compounds containing one or more benzene rings).
 - 7. Restricted Components: Paints and coatings shall not contain any of the following:
 - Acrolein.
 - b. Acrylonitrile.
 - c. Antimony.
 - d. Benzene.
 - e. Butyl benzyl phthalate.
 - Cadmium. f.
 - g. Di (2-ethylhexyl) phthalate.
 - h. Di-n-butyl phthalate.
 - Di-n-octyl phthalate. i.
 - 1,2-dichlorobenzene. į.
 - k. Diethyl phthalate.
 - Dimethyl phthalate. 1.
 - m. Ethylbenzene.
 - Formaldehyde.
 - Hexavalent chromium.

- p. Isophorone.
- q. Lead.
- r. Mercury.
- s. Methyl ethyl ketone.
- t. Methyl isobutyl ketone.
- u. Methylene chloride.
- v. Naphthalene.
- w. Toluene (methylbenzene).
- x. 1,1,1-trichloroethane.
- y. Vinyl chloride.
- C. Credit EQ 4.4: Do not use composite wood and agrifiber products that contain urea-formaldehyde resin.

PART 3 - EXECUTION

3.1 CONSTRUCTION WASTE MANAGEMENT

A. Credit MR 2.1 and 2.2: Comply with Division 1 Section "Construction Waste Management."

3.2 CONSTRUCTION INDOOR AIR QUALITY MANAGEMENT

- A. Credit EQ 3.1: Comply with SMACNA IAQ Guideline for Occupied Buildings under Construction.
 - 1. If Owner authorizes the use of permanent heating, cooling, and ventilating systems during construction period as specified in Division 1 Section "Temporary Facilities and Controls," install filter media having a MERV 8 according to ASHRAE 52.2 at each return-air inlet for the air-handling system used during construction.
 - 2. Replace all air filters immediately prior to building air flush-out. Replacement air filters shall have a MERV 13 according to ASHRAE 52.2.

B. Credit EQ 3.2:

1. Conduct a two-week building air flush-out after construction ends with new air filters and 100 percent outdoor air. Replace air filters after building air flush-out. Replacement air filters shall have a MERV 13 according to ASHRAE 52.2.

END OF SECTION 01352

CERTIFICATION ACCEPTANCE					
Project ID (ex.10000001)	10087762	Project Name	DeHority Complex Renovation	GBCI	
EED Rating System	LEED-NC	Version	2.2		
Acceptance Date	2/8/2010	Certification Le	evel Silver Pts Achieved 35		

Is this project confidential? Confidential projects are *not* listed on GBCI's searchable online directory of registered and certified projects.

- Yes, this project is confidential.
- No, this project is not confidential.

 Project information may be posted online and included on GBCI-distributed project lists.

Please choose one of the options below:

- We accept GBCl's Final Review ruling and will not appeal.

 Please return completed form to Emily Purcell at epurcell@gbci.org. The individual listed below will receive plaque and certificate order information within 5 business days.
- We will appeal the Final Review.

 Please return completed form to the LEED Certification Team and submit documentation and payment within 30 days according to the appeal procedure outlined below.

The individual listed below will be asked to provide further detail regarding plaque and certificate orders as well as shipping preferences.

Contact Name	Craig Flandermeyer		aga pagai
Contact Telephone			schmidt-arch.com

LEED® Certification Appeal Procedure

If an appeal is pursued, please note that a different review team may be assessing the appeal documentation; be sure to include all the information requested below. For projects using LEED-Online, all appeals must be submitted via LEED-Online. Appeal documentation must contain the following information:

- 1) LEED registration information, including project ID, project contact, owner, project type, project size, number of occupants, date of construction completion, etc.
- 2) An overall project narrative including at least three project highlights.
- 3) The LEED Project Checklist/Scorecard indicating projected prerequisites and credits and the total score for the project. (If mixed submittal, LEED v2.0 credits are to be noted as such in LEED v2.1 Letter Template Credit Summary or similar format.)
- 4) Drawings and photos (8.5x11 or 11x17) illustrative of the project, including: site plan, typical floor plan, typical building section, typical or primary elevation, AND photo or rendering of project
- 5) Original, re-submittal, and appeal submittal documentation for appealed credits ONLY. It is helpful to include a narrative for each appealed credit to describe how the documents address the reviewers' comments and concerns. Please note that all provided documents will be considered as part of the appeal process.

For projects not using LEED-Online, please submit two copies of the appeal information in a three-ring binder or on a compact disc (PC compatible) to the attention of the LEED Certification Team at GBCI, address below. Remember to include a check with your hard copy submittal, payable to the Green Building Certification Institute, in the amount of \$500 per credit or prerequisite appealed.

Visit us at http://www.gbci.org/ProjectCertification for more information on the LEED certification process.