



LEED - NC

Version 2

How to Interpret this Report

Purpose The Leadership in Energy and Environmental Design (LEED) Rating System was designed by the US Green Building Council to encourage and facilitate the development of more sustainable buildings. The Washington-Lee High School project was evaluated according to this system and the Final Rating is totaled below.

Environmental Categories The report is organized into five environmental categories as defined by LEED including: Sustainable Sites, Water Efficiency, Energy and Atmosphere, Materials and Resources and Indoor Environmental Quality. The category of Innovation and Design Process is also included.

LEED Prerequisites Prerequisites must be achieved. Non-compliant prerequisites must be resolved before a certification can be awarded.

LEED Credits The environmental categories are subdivided into the established LEED credits, which are based on desired performance goals within each category. An assessment of whether the credit is earned, pending, or rejected is made and a narrative describes the basis for the assessment.

Achieved The applicant has provided the mandatory documentation which supports the achievement of the credit requirements, achieving the associated points. Currently the project has scored the adjacent points in this category.

39

Denied The applicant has applied for a point in a particular credit, but has misinterpreted the credit intent or cannot substantiate meeting the requirements. Currently the project has the adjacent points in this category.

Rating Final Rating is Gold

Official LEED v2 Scores: Certified: 26-32 Silver Rating: 33-38 Gold Rating: 39-51 Platinum Rating: 52 +

A - Achieved
 D - Denied

A	D		Possible Points 14
10	<input type="checkbox"/>	<input type="checkbox"/>	Sustainable Sites

0	<input type="checkbox"/>	<input type="checkbox"/>	Erosion & Sedimentation Control Prerequisite 1-Version 2.1
---	--------------------------	--------------------------	--

Preliminary Review: The LEED Submittal Template has been provided stating that the project has followed an erosion and sedimentation control plan that complies with the local erosion and sedimentation control standards. The project team has provided information demonstrating that standards are more stringent than the referenced EPA standard. The project team has provided a list of the measures implemented on-site including silt fencing, temporary construction entrance, storm drain protection, culvert inlet protection, temporary seeding, and sod, however, drawings, specifications, nor an ESC plan have been provided.

TECHNICAL ADVICE:

Please provide drawings, specifications, and/or an ESC plan outlining the use of the measures implemented on-site.

Final Review The project team provided site plans and an erosion and sedimentation control narrative. The site plan highlighted temporary construction entrances with wash racks, silt and super silt fencing, storm drain inlet protection, and culvert inlet protection.

1	<input type="checkbox"/>	<input type="checkbox"/>	Site Selection Credit 1-Version 2.1
---	--------------------------	--------------------------	---

Preliminary Review: The LEED Submittal Template has been provided stating that the project site does not meet any of the prohibited criteria or has provided a narrative describing how the project meets the intent of this credit despite one or more conflicts with the credit requirements.

1	<input type="checkbox"/>	<input type="checkbox"/>	Urban Redevelopment Credit 2-Version 2.1
---	--------------------------	--------------------------	--

Preliminary Review: The project team is pursuing an alternative compliance path by submitting under LEED-NC v2.2 Option 2 Community Connectivity. The LEED Submittal Template has been provided stating that the project site is located within 11 community services and 1 residential district, with a minimum density of 10 units per acre. Additionally, a listing of the neighborhood services has been provided on the Template. The required site map showing the 0.5 mile radius and the locations of the community services has also been provided. However, the residential location has not been highlighted. In addition, the list of services is generic and does not give the actual name of the service.

TECHNICAL ADVICE:

1. On the site plan please highlight the residential zone with an average density of 10 dwelling units per acre.
2. Please provide the actual names of each of the basic services listed in the submittal documentation.

Final Review The project team provided a site plan and a narrative highlighting 11 labeled community services and several high rise residential buildings exceeding 10 units per acre demonstrating credit compliance.

A - Achieved
 D - Denied

A	D		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>Brownfield Redevelopment Credit 3-Version 2.1</p> <p>Preliminary Review: The project team is pursuing this credit using an alternative compliance path outlined in CIR Ruling 6/8/2005. The LEED Submittal Template has been provided stating that the project has been developed on a site that has asbestos contamination. The project team submitted an asbestos abatement report describing the location of Thermal System Insulation in the west parking lot of the school that was discovered during excavation. However, the extent of the asbestos contamination was not documented.</p> <p>TECHNICAL ADVICE: Please provide a detailed narrative explaining the extent of the asbestos contamination.</p> <p>Final Review The project team provided a revised narrative stating that the asbestos abatement area included 50,000 square feet of parking area on the Washington Lee High School site. Upon removing the slabs the project team uncovered abandoned steam tunnels from the original wing of the school built in the 1920s. The tunnels contained ACM insulation that had contaminated the soil base of the old tunnels. The entire area was abated in June 2006 meeting credit requirements.</p>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>Alternative Transportation, Public Transportation Access Credit 4.1-Version 2.1</p> <p>Preliminary Review: The LEED Submittal Template has been provided stating that the project is served by a rail line within 0.5 miles of the project site. A scaled drawing showing the location of the rail stops has been provided.</p>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>Alternative Transportation, Bicycle Storage & Changing Rooms Credit 4.2-Version 2.1</p> <p>Preliminary Review: The LEED Submittal Template has been provided stating that the project has provided bicycle storage for 5% of the building occupants and shower facilities for 0.7% of building occupants.</p>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>Alternative Transportation, Alternative Fuel Refueling Stations Credit 4.3-Version 2.1</p> <p>Preliminary Review: The project team is pursuing this credit through an alternative compliance path outlined in CIR Ruling 3/30/2005 and 8/23/2005. The project is supplying a bus fleet that uses a minimum blend concentration of B20 Biodiesel which serves 46% of the overall project capacity. The project team has supplied the CIR rulings and a narrative describing the school's bus services.</p>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>Alternative Transportation, Parking Capacity Credit 4.4-Version 2.1</p> <p>Preliminary Review: The project team is pursuing this credit through an alternative compliance path outlined in CIR Ruling dated 9/14/2006. The project team has provided no new parking and therefore meets the intent of this credit. The project team provided a pre-existing and post-construction site plan, the CIR Ruling, and a narrative.</p>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>Reduced Site Disturbance, Protect or Restore Open Space Credit 5.1-Version 2.1</p> <p>Preliminary Review: No Comments.</p>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>Reduced Site Disturbance, Development Footprint Credit 5.2-Version 2.1</p> <p>Preliminary Review: The LEED Submittal Template has been provided stating that the project has been developed in an area with no minimum code requirements for open space, and that dedicated open space, greater than or equal in size to the building footprint, has been provided adjacent to the building. A letter from the building owner stating that the open space will be conserved for the life of the building, as well as a site plan and calculations illustrating the development footprint, have been provided.</p>

A - Achieved
D - Denied

A **D**

Not Attempting

Stormwater Management, Rate and Quantity

Credit 6.1-Version 2.1

Preliminary Review: No Comments.

Not Attempting

Stormwater Management, Treatment

Credit 6.2-Version 2.1

Preliminary Review: No Comments.

1

Landscape & Exterior Design to Reduce Heat Islands, Non-Roof Surfaces

Credit 7.1-Version 2.1

Preliminary Review: The LEED Submittal Template has been provided stating that 42% of the non-roof impervious surfaces on-site are paved with reflective materials. A site plan showing the extent of the paved or shaded areas has been provided. However, the site plan does not clearly highlight the reflective materials and the numbers are not legible.

TECHNICAL ADVICE:

Please provide a revised site plan the clearly differentiates between different surface types. In addition, please provide a legible site plan.

Final Review The project team has provided a revised site plan that is legible and clearly displays all areas constructed with white concrete. The site plan states 42.9% of the site's non-roof impervious surface has been developed with light colored materials.

1

Landscape & Exterior Design to Reduce Heat Islands, Roof Surfaces

Credit 7.2-Version 2.1

Preliminary Review: The LEED Submittal Template has been provided stating that 100% of the total roof area consists of either roofing material (154,141sq.ft.) with emissivity of at least 0.9 or vegetated roof (6,784sq.ft.).

Not Attempting

Light Pollution Reduction

Credit 8-Version 2.1

Preliminary Review: No Comments.

A - Achieved
 D - Denied

A	D	4	<input type="checkbox"/>	<input type="checkbox"/>	Water Efficiency	Possible Points 5
----------	----------	----------	--------------------------	--------------------------	-------------------------	--------------------------

1	<input type="checkbox"/>	<input type="checkbox"/>	Water Efficient Landscaping, Reduce by 50%	Credit 1.1-Version 2.1
----------	--------------------------	--------------------------	---	-------------------------------

Preliminary Review: The LEED Submittal Template has been provided stating that no permanent irrigation system has been installed. However, a narrative was not provided describing the native/drought-tolerant planting installed on the site and it does not mention how water will be provided during the initial plant establishment period.

TECHNICAL ADVICE:

1. Please provide a narrative describing the native/drought-tolerant plantings installed on the site. In addition, please specifically address the sports fields and how the grasses will be maintained without the use of an irrigation system.
2. Please provide a narrative explaining the watering strategy for landscaping establishment, including the length of time that plantings will be hand watered, since an irrigation system will not be used for this project.

Final Review The project team provided several narratives stating that the project will use numerous watering reduction strategies to reduce water on site. For establishment, watering will begin once plants are planted and will continue for a period of 60 days from the date of acceptance by the owner. The project team clarified that they used the Arlington County Plant list for selection of plant species for the project demonstrating compliance with credit requirements.

1	<input type="checkbox"/>	<input type="checkbox"/>	Water Efficient Landscaping, No Potable Use or No Irrigation	Credit 1.2-Version 2.1
----------	--------------------------	--------------------------	---	-------------------------------

Preliminary Review: See comments in WEC1.1.

Final Review See comments in WEC1.1

Not Attempting	<input type="checkbox"/>	<input type="checkbox"/>	Innovative Wastewater Technologies	Credit 2-Version 2.1
----------------	--------------------------	--------------------------	---	-----------------------------

Preliminary Review: No Comments.

1	<input type="checkbox"/>	<input type="checkbox"/>	Water Use Reduction, 20% Reduction	Credit 3.1-Version 2.1
----------	--------------------------	--------------------------	---	-------------------------------

Preliminary Review: The LEED Submittal Template and water use calculations have been provided stating that the project has reduced potable water use by 46% from a calculated baseline design through the installation of low flow urinals, waterless urinals, low-flow lavatories, and low flow showers.

1	<input type="checkbox"/>	<input type="checkbox"/>	Water Use Reduction, 30% Reduction	Credit 3.2-Version 2.1
----------	--------------------------	--------------------------	---	-------------------------------

Preliminary Review: See comments in WEC3.1

A - Achieved
 D - Denied

A	D		Possible Points
5	<input type="checkbox"/>	<input type="checkbox"/>	17
Energy & Atmosphere			
0	<input type="checkbox"/>	<input type="checkbox"/>	Prerequisite 1-Version 2.1
<p>Fundamental Building Systems Commissioning</p> <p>Preliminary Review: The LEED Submittal Template has been provided stating that the fundamental commissioning requirements have been completed or is under contract.</p>			
0	<input type="checkbox"/>	<input type="checkbox"/>	Prerequisite 2-Version 2.1
<p>Minimum Energy Performance</p> <p>Preliminary Review: The LEED Submittal Template has been provided stating that the project complies with the minimum energy performance requirements of ASHRAE 90.1-1999.</p>			
0	<input type="checkbox"/>	<input type="checkbox"/>	Prerequisite 3-Version 2.1
<p>CFC Reduction in HVAC&R Equipment</p> <p>Preliminary Review: The LEED Submittal Template has been provided stating that base building HVAC&R systems use no CFC-based refrigerants.</p>			
2	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1.1-Version 2.1
<p>Optimize Energy Performance, 20% New /10% Existing</p> <p>Preliminary Review: The LEED Submittal Template and supporting documentation have been provided stating that the project performs 27% better than ASHRAE 90.1-1999 requirements using the ECB method. A quantitative summary table that includes detailed data on both design and budget assumptions as well as summary printouts of energy simulation software has been provided. Energy efficiency measures incorporated into the building design include hot water for space heating, pool heating, and domestic hot water provided by combustion condensing boilers, air economizers, fan-powered boxes, demand control ventilation, heat recover enthalpy wheels, and occupancy sensors.</p>			
1	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1.2-Version 2.1
<p>Optimize Energy Performance, 30% New /20% Existing</p> <p>Preliminary Review: Please see comments in EAc1.1.</p>			
Not Attempting	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1.3-Version 2.1
<p>Optimize Energy Performance, 40% New /30% Existing</p> <p>Preliminary Review: No Comments.</p>			
Not Attempting	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1.4-Version 2.1
<p>Optimize Energy Performance, 50% New /40% Existing</p> <p>Preliminary Review: No Comments.</p>			
Not Attempting	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1.5-Version 2.1
<p>Optimize Energy Performance, 60% New /50% Existing</p> <p>Preliminary Review: No Comments.</p>			
Not Attempting	<input type="checkbox"/>	<input type="checkbox"/>	Credit 2.1-Version 2.1
<p>Renewable Energy, 5% Contribution</p> <p>Preliminary Review: No Comments.</p>			
Not Attempting	<input type="checkbox"/>	<input type="checkbox"/>	Credit 2.2-Version 2.1
<p>Renewable Energy, 10% Contribution</p> <p>Preliminary Review: No Comments.</p>			
Not Attempting	<input type="checkbox"/>	<input type="checkbox"/>	Credit 2.3-Version 2.1
<p>Renewable Energy, 20% Contribution</p> <p>Preliminary Review: No Comments.</p>			

A - Achieved
D - Denied

A D

1 **Additional Commissioning** Credit 3-Version 2.1

Preliminary Review: The LEED Submittal Template has been provided stating that the required additional commissioning elements have been completed or is under contract to be completed. However, no additional documentation has been provided by the team.

TECHNICAL ADVICE:

Provide documentation indicating that DD and CD reviews (with substantive comments) occurred. Provide an executive summary or excerpts from the re-commissioning manual and evidence of resolution of outstanding commissioning issues

Final Review The project team provided the Re-Commissioning facilities manual, the DD review comments, and 65% plan review comments demonstrating credit compliance.

1 **Ozone Protection** Credit 4-Version 2.1

Preliminary Review: The LEED Submittal Template has been provided stating that base building HVAC&R systems use no HCFC-based refrigerants or Halons.

Not Attempting **Measurement & Verification** Credit 5-Version 2.1

Preliminary Review: No Comments.

Not Attempting **Green Power** Credit 6-Version 2.1

Preliminary Review: No Comments.

A - Achieved
 D - Denied

A	D		Possible Points 13
6	<input type="checkbox"/>	<input type="checkbox"/>	Materials & Resources
0	<input type="checkbox"/>	<input type="checkbox"/>	Storage & Collection of Recyclables Prerequisite 1-Version 2.1 Preliminary Review: The LEED Submittal Template has been provided stating that the project has provided appropriately sized dedicated areas for the collection and storage of recycling materials, including cardboard, paper, plastic, glass, and metals. Plans have been provided highlighting the location of recycling collection areas within the project.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Building Reuse, Maintain 75% of Existing Shell Credit 1.1-Version 2.1 Preliminary Review: No Comments.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Building Reuse, Maintain 100% of Shell Credit 1.2-Version 2.1 Preliminary Review: No Comments.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Building Reuse, Maintain 100% Shell and 50% Non-Shell Credit 1.3-Version 2.1 Preliminary Review: No Comments.
1	<input type="checkbox"/>	<input type="checkbox"/>	Construction Waste Management, Divert 50% Credit 2.1-Version 2.1 Preliminary Review: The LEED Submittal Template has been provided stating that the project has diverted 9057.6 tons (92.48%) of on-site generated construction waste from landfill. Calculations have been provided to document the waste types and receiving agencies for recycled materials.
1	<input type="checkbox"/>	<input type="checkbox"/>	Construction Waste Management, Divert 75% Credit 2.2-Version 2.1 Preliminary Review: Please see comments in MRc2.1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Resource Reuse, Specify 5% Credit 3.1-Version 2.1 Preliminary Review: No Comments.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Resource Reuse, Specify 10% Credit 3.2-Version 2.1 Preliminary Review: No Comments.
1	<input type="checkbox"/>	<input type="checkbox"/>	Recycled Content, Specify 5% Credit 4.1-Version 2.1 Preliminary Review: The LEED Submittal Template and calculations have been provided stating that 14.37% of the total building materials content, by value, have been manufactured using recycled materials.
1	<input type="checkbox"/>	<input type="checkbox"/>	Recycled Content, Specify 10% Credit 4.2-Version 2.1 Preliminary Review: Please see comments in MRc4.1.
1	<input type="checkbox"/>	<input type="checkbox"/>	Local/Regional Materials, 20% Manufactured Regionally Credit 5.1-Version 2.1 Preliminary Review: The LEED Submittal Template and calculation have been provided stating that 41% of the total building materials value was manufactured regionally.

A - Achieved
D - Denied

A **D**
 1 **Local/Regional Materials, 50% Extracted Regionally** Credit 5.2-Version 2.1

Preliminary Review: The LEED Submittal Template and calculation have been provided stating that 27.84% of the total building materials value (68% of the locally manufactured materials) was manufactured using raw materials that were harvested, extracted, or recovered within 500 miles of the project site. For future reference, when claiming recycled content as harvested material a project team can only claim the relative portion of recycled content. It is questionable as to whether the steel decking listed in the Submittal Template was 100% regionally extracted if only 10% was recycled material. If 90% of the steel is extracted farther than 500 miles from the project site, it cannot be included in this calculation. Despite this inconsistency, the project team meets credit requirements with or without the steel decking and therefore the credit has been awarded.

Not Attempting **Rapidly Renewable Materials** Credit 6-Version 2.1
Preliminary Review: No Comments.

Not Attempting **Certified Wood** Credit 7-Version 2.1
Preliminary Review: No Comments.

A - Achieved
 D - Denied

A	D	9	<input type="checkbox"/>	<input type="checkbox"/>	Indoor Environmental Quality	Possible Points 15
----------	----------	----------	--------------------------	--------------------------	-------------------------------------	---------------------------

0	<input type="checkbox"/>	<input type="checkbox"/>	Minimum IAQ Performance	Prerequisite 1-Version 2.1
----------	--------------------------	--------------------------	--------------------------------	-----------------------------------

Preliminary Review: The LEED Submittal Template has been provided stating that the project complies with the minimum IAQ performance requirements of ASHRAE 62-1999 and all approved Addenda. A supplemental narrative has been provided to document the project's compliance with the Ventilation Rate Procedure methods. However, the supplemental documentation is not completely legible. However, occupancies and outside air calculations have not been provided for all spaces, and the mechanical plans provided were not legible.

TECHNICAL ADVICE:

Please provide a legible copy of the attached supplemental documentation and include occupancies and outside air calculations that demonstrate credit compliance.

Final Review The project team provided calculations displaying space supply OA greater than ASHRAE Standard 62-1999 required OA for all spaces.

0	<input type="checkbox"/>	<input type="checkbox"/>	Environmental Tobacco Smoke (ETS) Control	Prerequisite 2-Version 2.1
----------	--------------------------	--------------------------	--	-----------------------------------

Preliminary Review: The LEED Submittal Template has been provided stating that smoking is prohibited inside buildings within the project and that designated smoking areas have been located at least 25 feet from building openings and air intakes.

1	<input type="checkbox"/>	<input type="checkbox"/>	Carbon Dioxide (CO2) Monitoring	Credit 1-Version 2.1
----------	--------------------------	--------------------------	--	-----------------------------

Preliminary Review: The LEED Submittal Template has been provided stating that the project has installed a CO2 monitoring system that provides feedback on space ventilation performance in a form that affords operational adjustments and carbon dioxide differentials that conform to ASHRAE 62-2001, Appendix C. Additionally, a narrative has been provided that describes the installed sensors, operational parameters, and design conditions including carbon dioxide differentials and how they are measured and maintained.

Not Attempting	<input type="checkbox"/>	<input type="checkbox"/>	Increase Ventilation Effectiveness	Credit 2-Version 2.1
----------------	--------------------------	--------------------------	---	-----------------------------

Preliminary Review: No Comments.

1	<input type="checkbox"/>	<input type="checkbox"/>	Construction IAQ Management Plan, During Construction	Credit 3.1-Version 2.1
----------	--------------------------	--------------------------	--	-------------------------------

Preliminary Review: The LEED Submittal Template has been provided stating that the project developed and implemented a construction IAQ management plan that followed the referenced SMACNA Guidelines. The plan indicates that the air handling equipment was used during construction and that MERV 8 filters were installed in the air handling unit and at all return air grilles. Filtration media was replaced with new MERV 13 filters (in the air handling units) prior to occupancy. Photographs, taken on a minimum of 3 different occasions were submitted. However, a narrative describing the implemented IAQ measures was not provided.

TECHNICAL ADVICE:

Please provide a brief narrative describing the project team's approach for meeting each of the SMACNA guidelines.

Final Review The project team provided a narrative discussing the 5 measures implemented on site to meet the SMACNA IAQ guidelines. The project team discussed HVAC protection, source control, pathway interruption, housekeeping, and scheduling.

A - Achieved
 D - Denied

A	D		
1	<input type="checkbox"/>	<input type="checkbox"/>	<p>Construction IAQ Management Plan, Before Occupancy Credit 3.2-Version 2.1</p> <p>Preliminary Review: The LEED Submittal Template has been provided stating that the project has conducted IAQ testing prior to occupancy. The submitted narrative and test summary confirms that the IAQ testing was conducted in accordance with protocols approved under a CIR Ruling for EQc3.2 (dated 10/8/2002). A summary of the test results confirm that the project tested for the following contaminants (at a minimum): Carbon Dioxide, Formaldehyde, Particulates, TVOC, and 4-PCH. The narrative further states that the measured contaminant levels did not exceed the limits set forth in the referenced CIR ruling.</p>
1	<input type="checkbox"/>	<input type="checkbox"/>	<p>Low-Emitting Materials, Adhesives & Sealants Credit 4.1-Version 2.1</p> <p>Preliminary Review: The LEED Submittal Template has been provided stating that all adhesive and sealant products comply with the VOC limits of the referenced standards for this credit. A summary of all interior adhesive and sealant products has been provided along with VOC data for each product confirming that they comply with the referenced VOC limits. For future reference wood finishes should be submitted under EQc4.2.</p>
1	<input type="checkbox"/>	<input type="checkbox"/>	<p>Low-Emitting Materials, Paints Credit 4.2-Version 2.1</p> <p>Preliminary Review: The LEED Submittal Template has been provided stating that not all indoor paints and coatings comply with the VOC and chemical component limits of Green Seal's Standard GS-11 requirements. The project is utilizing the VOC budget alternative compliance path to meet the requirements of this credit. The project team has provided a summary list of all indoor paints and a VOC budget. The VOC budget calculation indicates that the project's total installed VOC level is equal to 139,178 grams with an allowable limit of 369,700 grams</p>
1	<input type="checkbox"/>	<input type="checkbox"/>	<p>Low-Emitting Materials, Carpet Credit 4.3-Version 2.1</p> <p>Preliminary Review: The LEED Submittal Template has been provided stating that installed carpet systems comply with the VOC limits of the Carpet and Rug Institute's Green Label Air Quality Testing Program. The submittal lists Collins & Aikman carpet system as the installed product.</p>
Not Attempting	<input type="checkbox"/>	<input type="checkbox"/>	<p>Low-Emitting Materials, Composite Wood Credit 4.4-Version 2.1</p> <p>Preliminary Review: No Comments.</p>
1	<input type="checkbox"/>	<input type="checkbox"/>	<p>Indoor Chemical and Pollutant Source Control Credit 5-Version 2.1</p> <p>Preliminary Review: The LEED Submittal Template has been provided stating that the project has installed the required entryway systems, physically separated chemical use areas and copy rooms with deck-to-deck partitions, installed independent exhaust ventilation at 0.50 cfm/square foot, maintained negative pressure differential of 7 PA, and in spaces where water and chemical concentrate mixing occurs, has established drains environmentally appropriate for disposal of liquid waste.</p>
Not Attempting	<input type="checkbox"/>	<input type="checkbox"/>	<p>Controllability of Systems, Perimeter Credit 6.1-Version 2.1</p> <p>Preliminary Review: No Comments.</p>
Not Attempting	<input type="checkbox"/>	<input type="checkbox"/>	<p>Controllability of Systems, Non-perimeter Credit 6.2-Version 2.1</p> <p>Preliminary Review: No Comments.</p>

A - Achieved
 D - Denied

A	D			
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Thermal Comfort, Compliance with ASHRAE 55-1992 Credit 7.1-Version 2.1

Preliminary Review: The LEED Submittal Template has been provided stating that the project has been designed to maintain indoor comfort within the ranges established by ASHRAE Standard 55-1992, Addenda 1995. A table listing the control ranges and installed control methods has also been provided. However, the ranges for temperature and/or humidity indicated in the supporting table appear to fall outside of the established ASHRAE ranges for the media center. There is no documentation provided to explain this discrepancy.

TECHNICAL ADVICE:

Please provide a detailed narrative describing the thermal comfort design criteria for the media room and any special conditions or circumstances that require zones to exceed the referenced ASHRAE ranges; or provide a new template with revised temperature ranges. Please include the individual thermal control zones, the temperature and humidity control ranges for all seasonal conditions, and an indication of the method of control for each zone.

Final Review The project team provided a revised LEED Submittal Template stating that all rooms except the Natatorium meet the ASHRAE Standard 55-1992, Addenda 1995. The natatorium was designed to ASHRAE 2003 Handbook of HVAC Applications, Chapter 4, "Natatoriums."

1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---	--------------------------	--------------------------	--------------------------	--------------------------

Thermal Comfort, Permanent Monitoring System Credit 7.2-Version 2.1

Preliminary Review: The LEED Submittal Template has been provided stating that the project has installed a permanent temperature and humidity monitoring system that will provide control of the building zones within the thermal comfort ranges defined in ASHRAE 55-1992, Addenda 1995. These controls have been commissioned under the scope for EAp1, Fundamental Systems Commissioning.

Not Attempting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
----------------	--------------------------	--------------------------	--------------------------	--------------------------

Daylight and Views, Daylight 75% of Spaces Credit 8.1-Version 2.1

Preliminary Review: No Comments.

Not Attempting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
----------------	--------------------------	--------------------------	--------------------------	--------------------------

Daylight and Views, Views for 90% of Spaces Credit 8.2-Version 2.1

Preliminary Review: No Comments.

A - Achieved
 D - Denied

A	D		5	<input type="checkbox"/>	<input type="checkbox"/>	Innovation & Design Process	Possible Points 5
----------	----------	--	----------	--------------------------	--------------------------	--	--------------------------

1	<input type="checkbox"/>	<input type="checkbox"/>	Innovation in Design	Credit 1.1-Version 2.1
----------	--------------------------	--------------------------	-----------------------------	-------------------------------

Preliminary Review: The LEED Submittal Template has been provided stating that the project achieves exemplary performance for MRc4 as specified in the LEED Reference Guide. The LEED Submittal Template and calculation have been provided stating that 41% of the total building materials value was manufactured regionally. Please see MRc4 for additional information.

1	<input type="checkbox"/>	<input type="checkbox"/>	Innovation in Design	Credit 1.2-Version 2.1
----------	--------------------------	--------------------------	-----------------------------	-------------------------------

Preliminary Review: The LEED Submittal Template has been provided stating an ID credit proposal for development and implementation of a green housekeeping program. The proposal and supporting documentation (policy statement, list of cleaning chemicals, worker training abstract) meet the requirements set forth in posted CIR rulings for achievement of an ID point for a Green Housekeeping program.

1	<input type="checkbox"/>	<input type="checkbox"/>	Innovation in Design	Credit 1.3-Version 2.1
----------	--------------------------	--------------------------	-----------------------------	-------------------------------

Preliminary Review: The LEED Submittal Template has been provided stating that an education program has been developed to present the project's sustainable design practices to occupants and visitors to the facility. A minimum of two distinct components must be documented as outlined in CIR Ruling dated 9/24/2001. However, it is unclear which of the two components the project is pursuing to achieve credit requirements. It appears that a slide show was submitted but there was no narrative to describe how it will be used.

TECHNICAL ADVICE:

Please provide a detailed narrative describing the components (signage, guidelines, tour, etc.) of the implemented educational program. Additionally, please provide examples of the individual elements (i.e. photos/drawings of installed signage, published case study, website screen shots, etc.)

Final Review The project team provided a narrative and revised slide deck demonstrating a green education program that is compliant with credit requirements. Washington Lee High School will have an educational tour program along with a slideshow that will play on several monitors located throughout the building.

1	<input type="checkbox"/>	<input type="checkbox"/>	Innovation in Design	Credit 1.4-Version 2.1
----------	--------------------------	--------------------------	-----------------------------	-------------------------------

Preliminary Review: The LEED Submittal Template has been provided stating that the project achieves exemplary performance for WEc3 as specified in the LEED Reference Guide or posted NCv2.1 CIR rulings.

1	<input type="checkbox"/>	<input type="checkbox"/>	LEED™ Accredited Professional	Credit 2-Version 2.1
----------	--------------------------	--------------------------	--------------------------------------	-----------------------------

Preliminary Review: The LEED Submittal Template has been provided stating that a LEED AP has been a participant on the project development team. A copy of the LEED AP award certification for Kara Strong has been included as required.