



Eastern Sheet Metal

LEED®

1) APPLICABLE PREREQUISITES

a) Energy and Atmosphere

- i) EA P2 – compliance with ASHRAE 90.1-2007 Section 6.4.4.1.2 – ESM will provide interior insulation per the project specifications only. If the specifications do not meet the requirements of this section and the insulation values per tables 6.8.2A and 6.8.2B ESM will assume that additional insulation wrap is being applied in the field.
- ii) EA P2 - compliance with ASHRAE 90.1-2007 Section 6.4.4.2 – ESM duct will be shipped with longitudinal seams factory sealed for systems requiring seal class A or B. Spiral seams are not required to be sealed. The contractor is responsible for final assembly and sealing of all ducts to be tested. Leakage testing for systems operating over 3" WG is performed on-site by the contractor.

b) Indoor Environmental Quality

- i) IEQ P1 – compliance with ASHRAE 62.1-2007 Section 5.5.1 – All duct liners used by ESM comply with ASTM C 1338. All sheet metal surfaces are exempt from this requirement.
- ii) IEQ P1 – compliance with ASHRAE 62.1-2007 Section 5.5.2 – All liners used by ESM comply have been tested for erosion per UL 181. All sheet metal surfaces are exempt from this requirement.
- iii) IEQ P1 – compliance with ASHRAE 62.1-2007 Section 7.1.3 – ESM delivers all materials in covered trailers to protect from moisture. Moisture protection after receipt of the material is the responsibility of the contractor.
- iv) IEQ P1- compliance with ASHRAE 62.1-2007 Section 7.1.5 – ESM fabricates all ductwork per the standards shown.
- v) IEQ P3 – Minimum Acoustical Performance – Schools only – The use of acoustically lined duct is not required.

2) APPLICABLE CREDITS

a) Energy and Atmosphere

- i) EA Credit 1 – Optimize Energy Performance – The use of self-sealing duct, or any other energy saving duct system is not required for this credit unless specified in the contract documents.

b) Materials and Resources – Materials for MEP products cannot be applied towards these credits.

c) Indoor Environmental Quality

- i) IEQ Credit 3 – Compliance with onsite control measures are the responsibility of the contractor
- ii) IEQ Credit 3 – Moisture protection on the job site is the responsibility of the contractor.
- iii) IEQ Credit 3.1 and 3.2 – additional cleaning or wrapping of duct for transit is not part of this section
- iv) IEQ Credit 4.1 – VOC limits for sealants and adhesives apply only to those applied on-site, not those applied at the factory
- v) IEQ Credit 4.2 – VOC limits for paints and coatings apply only to those applied on-site, not those applied at the factory
- vi) IEQ Credit 9 - The use of acoustically lined duct is not required.
- vii) IEQ Credit 10 – The use of anti-microbial coated steel as part of an IEQ management plan is not required.

Eastern Sheet Metal, a division of Ruskin which is a member of the US Green Building Council, supports the LEED program by offering products and services to help the design professional comply with LEED requirements. These products and services may not be required on every project, and ESM will expect to provide them only as required in the project specifications as properly reflected in the ductwork portion of the specification. Some services such as cleaning and wrapping duct prior to transit are clearly not anticipated by LEED requirements and should not be assumed to be included as part of an ESM duct project.