

SECTION 01 81 13 {01351}

SUSTAINABLE DESIGN REQUIREMENTS

{SUSTAINABLE PROJECT REQUIREMENTS}

This section includes overall project goals, product requirements, and documentation to support LEED certification. This section is written so all LEED requirements may be specified in one location, and so general requirements may be specified in this section with detailed requirements in other technical sections.

This section includes performance, proprietary, and descriptive type specifications. Edit to avoid conflicting requirements.

Contact the CSRF Support Center at supportcenter@csrf.org to submit comments or suggestions for improvements to this specification. Visit the SPECTEXT web site at www.spectext.com for current product announcements.

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Sustainable design Project goals.
2. Sustainable design product requirements.

B. Related Sections:

1. Section 01 91 00 - Commissioning: General commissioning requirements.
2. Section 23 08 00 - Commissioning of HVAC: Mechanical systems commissioning requirements.
3. Individual specification sections for additional product requirements.
4. Section [_____-_____]: Electrical systems commissioning requirements.
5. Section [_____-_____]: Plumbing systems commissioning requirements.

C. Related Sections:

1. Section 01810 - Commissioning: General commissioning requirements.
2. Section [_____-_____]: Plumbing systems commissioning requirements.
3. Section 15992 - HVAC Commissioning: Mechanical systems commissioning requirements.
4. Section [_____-_____]: Electrical systems commissioning requirements.
5. Individual specification sections for additional product requirements.

1.2 REFERENCES

List reference standards included within text of this section. Edit the following for Project conditions.

- A. American Society of Heating, Refrigerating and Air-Conditioning Engineers:
 - 1. ASHRAE 52.2 - Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size.
 - 2. ASHRAE 62 - Ventilation for Acceptable Indoor Air Quality.
 - 3. ASHRAE 90.1 - Energy Efficient Design of New Buildings Except Low-Rise Residential Buildings.

- B. ASTM International:
 - 1. ASTM C1371 - Standard Test Method for Determination of Emittance of Materials Near Room Temperature Using Portable Emisometers.
 - 2. ASTM C1549 - Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer.
 - 3. ASTM E408 - Standard Test Methods for Total Normal Emittance of Surfaces Using Inspection-Meter Techniques.
 - 4. ASTM E903 - Standard Test Method for Solar Absorptance, Reflectance, and Transmittance of Materials Using Integrating Spheres.
 - 5. ASTM E1918 - Standard Test Method for Measuring Solar Reflectance of Horizontal and Low-Sloped Surfaces in the Field.
 - 6. ASTM E1980 - Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces.

- C. Carpet and Rug Institute:
 - 1. CRI Green Label Plus Testing Program.
 - 2. CRI Green Label Testing Program.

- D. Forest Stewardship Council:
 - 1. FSC Guidelines- Forest Stewardship Council Guidelines.

- E. Green Seal:
 - 1. GC-03 - Anti-Corrosive Paints.
 - 2. GS-11 - Product Specific Environmental Requirements.
 - 3. GS-36 - Aerosol Adhesives.

- F. International Standards Organization:
 - 1. ISO 14021 - Environmental Labels and Declarations - Self-Declared Environmental Claims (Type II Environmental Labeling).

- G. Sheet Metal and Air Conditioning Contractors:
 - 1. SMACNA IAQ - IAQ Guidelines for Occupied Buildings Under Construction.

- H. South Coast Air Quality Management District:
 - 1. SCAQMD Rule 1113 - Architectural Coatings.
 - 2. SCAQMD Rule 1168 - Adhesive and Sealant Applications.

- I. U.S. Environmental Protection Agency:
 - 1. ENERGY STAR - ENERGY STAR Voluntary Labeling Program.
 - 2. EPA 832-R-92-005 - Storm Water Management for Construction Activities: Developing Pollution Prevention Plans and Best Management Practices.