



STATEMENT OF WORK Energy Efficient Building Envelope (672) Vermont

These deliverables apply to this individual practice. For deliverables for other planned practices, refer to those specific Statements of Work.

DESIGN

Deliverables

1. Design documents that demonstrate criteria in NRCS practice standard have been met and are compatible with planned and applied practices. Include—
 - a. Practice purpose(s) as identified in the conservation plan.
 - b. List of required permits to be obtained by the client and regulations to be met.
 - c. Compliance with NRCS national and State utility safety policy (National Engineering Manual (NEM) (Title 210), Part 503, Subpart A, "Engineering Activities Affecting Utilities," Sections 503.0 through 503.6).
 - d. List of facilitating practices.
 - e. Practice standard criteria-related computations and analyses to develop plans and specifications including but not limited to—
 - i. Energy reduction calculations, analysis, etc.
 - ii. Air barrier/envelope leakage rates or pressures (inches of water grade) or ACH (air changes per hour).
 - iii. Insulation R-value of the envelope/space components, or building U-value.
 - iv. Hygrothermal evaluation.
 - v. Assembly requirements to meet fire safety criteria.
 - vi. Energy Star or ASHRAE 90.1 climate zone rating of doors or windows.
 - vii. Energy savings of energy screens and curtains.
 - viii. Performance rating values for all installed components.
2. Written plans and specifications, including sketches and drawings, provided to the client that adequately describe the requirements to install the practice and obtain necessary permits. Requirements may include but are not limited to—
 - a. Plan view and cross section drawings and description of the existing and modified or retrofitted building envelope and related components or devices, if applicable.
 - b. Description and characteristics of materials to be applied or installed in the building envelope.
 - c. Installation details associated with the practice.
 - d. Estimated quantities.
 - e. Requirements for disposal of replaced materials, if applicable.
3. Design report and inspection plan as appropriate (210-NEM, Part 511, Subpart B, "Documentation," Section 511.11; and Part 512, Subpart D, "Quality Assurance Activities," Sections 512.30 through 512.32).
4. Operation and maintenance plan.
5. Certification the design meets practice standard criteria and complies with applicable laws and regulations (210-NEM, Part 505, Subpart A, "Introduction," Section 505.0; and Subpart B, "Procedures," Sections 505.10 through 505.12).
6. Design modifications during installation as required

INSTALLATION

Deliverables

1. Preinstallation conference with client.
2. Notification to NRCS with the option to attend the preinstallation conference.
3. Verification that client has obtained required permits.
4. Installation guidance as needed.
 - a. Actual materials used (210-NEM-512, Subpart C, "Evaluation of Construction Materials," Sections 512.20 through 512.23; and Subpart D, "Quality Assurance Activities," Section 512.33).
 - b. Inspection records.
5. Facilitate and implement required design modifications with client and original designer.
6. Advise client/NRCS on compliance issues with all Federal, State, Tribal, and local laws, regulations, and NRCS policies during installation.
7. Certification the installation process and materials meets design and permit requirements (210-NEM-512, Subpart C, "Evaluation of Construction Materials," Sections 512.20 through 512.23; and Subpart D, "Quality Assurance Activities," Section 512.33).

CHECK OUT

Deliverables

1. Records of application.
 - a. Extent of practice units applied
 - b. Actual materials used
2. Certification the application meets NRCS standards and specifications and is in compliance with permits.
3. Progress reporting.

REFERENCES

- USDA NRCS. Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Energy Efficient Building Envelope, 672.
- USDA NRCS. 2016. National Environmental Compliance Handbook (Title 190). Washington, D.C.
<https://directives.sc.egov.usda.gov/>
- USDA NRCS. 2017. National Engineering Manual (Title 210). Washington, D.C.
<https://directives.sc.egov.usda.gov/>
- USDA NRCS. 2018. National Cultural Resources Procedures Handbook (Title 190). Washington, D.C.
<https://directives.sc.egov.usda.gov/>