

1. Record Nr.	UNINA9910696430803321
Titolo	Building America residential system research results [[electronic resource]] : achieving 30% whole house energy savings level in cold climates, January 2005 - November 2005
Pubbl/distr/stampa	Golden, Colo. : , : National Renewable Energy Laboratory, , [2006]
Descrizione fisica	16, 183 pages : digital, PDF file
Collana	NREL/SR ; ; 550-38783
Soggetti	Architecture and energy conservation - Research - United States House construction - Environmental aspects Dwellings - Energy consumption - Evaluation Sustainable buildings - Design and construction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed Mar. 31, 2008). "August 2006."
Sommario/riassunto	The Building America program conducts the system research required to reduce risks associated with the design and construction of homes that use an average of 30% to 90% less total energy for all residential energy uses than the Building America Research Benchmark, including research on homes that will use zero net energy on annual basis. To measure the program's progress, annual research milestones have been established for five major climate regions in the United States. The system research activities required to reach each milestone take from 3 to 5 years to complete and include research in individual test houses, studies in pre-production prototypes, and research studies with lead builders that provide early examples that the specified energy savings level can be successfully achieved on a production basis. This report summarizes research results for the 30% energy savings level and demonstrates that lead builders can successfully provide 30% homes in Cold Climates on a cost-neutral basis.

2. Record Nr.	UNISA996279431703316
Titolo	IEEE Std 515.1-2012 (Revision of IEEE Std 515.1-2005) : IEEE Standard for the Testing, Design, Installation, and Maintenance of Electrical Resistance Trace Heating for Commercial Applications // Institute of Electrical and Electronics Engineers
Pubbl/distr/stampa	New York : , : IEEE, , 2012
ISBN	0-7381-7595-1
Descrizione fisica	1 online resource (viii, 74 pages) : illustrations
Disciplina	644.26
Soggetti	Electric heating
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Specific test requirements for qualifying electrical resistance trace heating for commercial service are provided in this standard. A basis for electrical and thermal design is included, heating device characteristics are addressed, and installation and maintenance requirements are detailed. Recommendations and requirements for unclassified heating device applications are provided. Keywords: deicing, design, electrical resistance, floor warming, freeze protection, frost heave, heat tracing, heater, heating cable, heating device, IEEE 515.1, installation, maintenance, snow melting, trace heater, trace heating.