

Table 10-1 – Acceptance Forms

Component	Form Name	Standards Reference	Reference Nonresidential Appendix NA7
Envelope	ENV-2A – Fenestration Acceptance	§10-111 & §116	NA7.4.1
Mechanical	MECH-2A – Ventilation Systems - Variable Air and Constant Volume Systems	§10-103(b)4 & §121(b)2 & §125(a)1	NA7.5.1.1 NA7.5.1.2
	MECH-3A – Constant-Volume, Single-Zone, Unitary A/C and Heat Pumps	§121(c)2 & §122 & §125(a)2	NA7.5.2
	MECH-4A – Air Distribution Systems	§125(a)3 & §144(k)	NA7.5.3
	MECH-5A – Air Economizer Controls	§125(a)4 & §144(e)	NA7.5.4
	MECH-6A – Demand Control Ventilation (DVC)	§121(c)4 & §121(c)4E & §125(a)5	NA7.5.5
	MECH-7A – Supply Fan Variable Flow Controls (VFC)	§125(a)6 & §144(c)2C & §144(c)2D	NA7.5.6
	MECH-8A – Valve Leakage Test	§125(a)8 & §125(a)9 & §144(j)1 & §144(j)5 & §144(j)6	NA7.5.7
	MECH-9A – Supply Water Temperature Reset	§125(a)8 & §144(j)4	NA7.5.8
	MECH-10A – Hydronic System Variable Flow Control	§125(a)7 & §144(j) & §144(j)1 & §144(j)5 & §144(j)6	NA7.5.9
	MECH-11A – Automatic Demand Shed Control Acceptance	§122(h) & §125(a)10	NA7.5.10
	MECH-12A – Fault Detection & Diagnostics for DX Units	§125(a)11	NA7.5.11
MECH-13A – Automatic Fault Detection & Diagnostics for Air Handling & Zone Terminal Units	§125(a)12	NA7.5.12	
MECH-14A – Distributed Energy Storage DX AC Systems Test	§125(a)13	NA7.5.13	
MECH-15A – Thermal Energy Storage (TES) Systems	§125(a)14	NA7.5.14	
Indoor Lighting	LTG-2A – Lighting Controls LTG-3A – Daylighting Controls	§119(d) §119(e) & §131(d)	NA7.6.1, 7.6.2, 7.6.3 and 7.6.4
Outdoor Lighting	OLTG-2A – Automatic Daylighting Controls and Outdoor Motion Acceptance Test	§119(d),(f) and §132(a and c)	NA7.6.1, NA7.7.1 and 7.7.2

10.5 Envelope & Mechanical Acceptance Testing Overview

10.5.1 Administrative Regulations

§10-103(b)

The administrative requirements contained in the Standards require the envelope and mechanical plans and specifications to contain:

- New for 2008 is Envelope Acceptance Form, ENV-2A, requirements for Fenestration; verify label certificate including thermal performance matches building plans and energy compliance.
- New for 2008 are Mechanical Acceptance Forms, MECH-10A through MECH-15A, additional new mechanical acceptance procedures as indicated below in detail.
- Completed acceptance testing forms for mechanical systems and equipment shown in Table 10-1, record drawings are provided to the building owners within 90 days of receiving a final occupancy permit,
- Operating and maintenance information are provided to the building owner, and
- Installation certificates for mechanical equipment (for example factory installed economizers)

10.5.2 Field Process

The construction inspection is the first step in performing the acceptance tests. In general, this inspection should identify:

- Fenestration product, HVAC Equipment, and controls are properly specified, properly located, identified, correctly installed, calibrated and set points and schedules established.
- Documentation is available to identify settings and programs for each device, and
- For some air distribution systems (as identified in §116(a) and §144(k)), this may include select tests to verify acceptable leakage rates while access is available.

Functional and Verification Testing is to be performed on the following devices:

Envelope

- ENV-1A – Will no longer be used. Required information has been transferred to ENV-2A.