

Part 651 – Animal Waste Management Field Handbook

Chapter 10 – Agricultural Waste Management System Component Design

Illinois NRCS Approved Waste Storage and Handling Structures

Roof Structure

Accu-Steel Building Solutions, Inc., Sheet 1 of 2

Manufacturer and Designer:	Accu-Steel, Inc PO Box 201 Templeton, IA 51463
Building Lines:	Legendary Building Series
Main Building Cover Material:	Cattle Series (36', 46', 60', & 72') & Crossover Series (Width Varies)
Additional NRCS Warranty:	<p>Accu-Steel Building Solutions, Inc will supply all buildings funded by NRCS in the State of Illinois with prorated warranty coverage of 20 years on the steel parts and hardware in the main structure, as well as the hardware, including tie-down system.</p> <p>Each design package shall contain a written warranty statement provided by the manufacturer, which includes the additional NRCS warranty.</p>
Site Specific Design Certification Procedure:	<p>Accu-Steel Building Solutions, Inc will provide design plans for the roof structure, including design criteria and loading information that show the roof structure meets the structural requirements of the Illinois 313 Waste Storage Facility standard. The Accu-Steel design plans will contain a certification statement and stamp by an engineer licensed in Illinois that the products designed and fabricated by Accu-Steel Building Solutions, Inc meet the design and loading criteria on the plan.</p> <p>The associated waste storage and handling structure and foundation, including support and connection mechanisms for the roof structure, shall be designed and stamped by an engineer licensed in Illinois. The following statement on the cover sheet of each submittal package will be sufficient to document the certification of the structure design, along with the stamp of the licensed engineer:</p> <p><i>“The design in this submittal package complies with the Illinois NRCS Waste Storage Facility Standard (Code 313) criteria for fabricated structures, including foundation, liquid tightness, structural loadings, structural design, and slabs on grade.”</i></p> <p>The NRCS engineer with adequate engineering job approval authority (or certified Technical Service Provider, as appropriate) shall provide final design approval.</p>

Site Specific
Construction
Certification
Procedure:

The licensed engineer who certified the design of the waste storage and handling structure and foundation will provide leadership at the preconstruction conference, and certify that the completed installation meets the manufacturer's plans and specifications, and NRCS standards. The following statement will suffice to document the certification of the structure installation, along with the stamp of the licensed engineer:

"To the best of my professional knowledge, judgment, and belief the waste storage and handling structure, including roof, has been installed in accordance with the construction drawings and specifications and meets the Illinois NRCS Waste Storage Facility Standard (Code 313) criteria for fabricated structures."

The NRCS engineer with adequate engineering job approval authority (or certified Technical Service Provider, as appropriate) shall provide final construction approval, including a statement that the completed structure meets NRCS standards and specifications.

Concurrence:

2013 warranty agreement
Shane Schechinger, Vice President Agricultural Sales, Accu-Steel Building Solutions, Inc.
Ruth Book, P.E., State Conservation Engineer, NRCS-IL