

## Illinois NRCS Approved Waste Storage and Handling Structures

### Waste Storage Tank

Manufacturer and Designer: Engineered Storage Products Company (ESPC)  
345 Harvestore Drive  
DeKalb, Illinois 60115-9607

Product Name: Slurrystore

Site Specific Design Certification Procedure: Engineered Storage Products Company will be assuming responsibility for the compliance of the Slurrystore tank with the structural and foundation requirements of the national NRCS 313 Waste Storage Facility Standard. The following statement on the cover sheet of each submittal package will be sufficient to document the certification of the Slurrystore tank design, along with the stamp of an Engineered Storage Products Company engineer licensed in Illinois:

*"The design in this submittal package complies with the national NRCS Waste Storage Facility Standard (Code 313) criteria for fabricated structures, including foundation, liquid tightness, structural loadings, structural design, and slabs on grade."*

The NRCS engineer with adequate engineering job approval authority (or certified Technical Service Provider, as appropriate) shall provide final design approval.

Site Specific Construction Certification Procedure: The Engineered Storage Products Company licensed engineer who certified the design will also certify that the completed installation meets the manufacturer's plans and specifications, based on the certification of the trained dealer who performed the installation. The following statement will suffice to document the certification of the Slurrystore tank installation, along with the stamp of the licensed engineer:

*"To the best of my professional knowledge, judgment, and belief the storage tank has been installed in accordance with the construction drawings and specifications and meets the national 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: May 15, 2008 agreement  
John J. Sweeney, P.E., Project Engineering Manager, ESPC  
Ruth Book, P.E., State Conservation Engineer, NRCS-IL

IL 10-23(1)

# Illinois NRCS Approved Waste Storage and Handling Structures

## Roof Structure

*Britespan Building Systems, Sheet 1 of 2*

Manufacturer and Designer: Britespan Building Systems, Inc  
37651 Amberley Road RR1  
Lucknow, ON N0G2H0

Product Name: Atlas Non-FR Cover Buildings

Building Lines: Atlas Ground or Post Mounted Buildings

Main Building Cover Material: Non-FR Fabric, RU-889X-6. 16 x 16 psi woven clear HDPE scrim

Additional NRCS Warranty: Britespan Building Systems, Inc will supply all buildings funded by NRCS in the State of Illinois with prorated warranty coverage of 15 years on the steel parts and hardware in the main structure, as well as the hardware, including tie-down system. The Non-FR main cover will have a 16 year warranty.

Each design package shall contain a written warranty statement provided by the manufacturer, which includes the additional NRCS warranty.

## Site Specific Design Certification Procedure:

Britespan Building Systems, 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 Britespan design plans will contain a certification statement and stamp by an engineer licensed in Illinois that the products designed and fabricated by Britespan Building Systems, Inc meet the design and loading criteria on the plan.

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:

*"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."*

The NRCS engineer with adequate engineering job approval authority (or certified Technical Service Provider, as appropriate) shall provide final design approval.

# Illinois NRCS Approved Waste Storage and Handling Structures

*Britespan Building Systems, Sheet 2 of 2*

## 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:

May 2011 warranty agreement  
Ben Hogervorst, Britespan Building Systems, Inc.  
Ruth Book, P.E., State Conservation Engineer, NRCS-IL

# Illinois NRCS Approved Waste Storage and Handling Structures

## Roof Structure

*Winkler Canvas, Sheet 1 of 2*

Manufacturer and Designer:	Winkler Canvas Ltd Box 1268 Hwy 14 and Greenfarm Road Winkler, Manitoba Canada R6W 4B3
Product Name:	TAS Trussed Buildings
Building Lines:	Truss Arch Barn, Truss Free Standing (Arch or Gable style)
Main Building Cover Material:	Fabrene Industrial Synthetic Fabrics, Type Q315WW or P708WW
Additional NRCS Warranty:	<p>Winkler Canvas Ltd will supply all buildings funded by NRCS in the State of Illinois with prorated warranty coverage of 15 years on the steel parts and hardware in the main structure, as well as on the main cover and hardware, including tie-down system. The fire retardant P708WW main cover option is included in the 15 year warranty.</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>Winkler Canvas Ltd 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 Winkler design plans will contain a certification statement and stamp by an engineer licensed in Illinois that the products designed and fabricated by Winkler Canvas Ltd 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>

# Illinois NRCS Approved Waste Storage and Handling Structures

*Winkler Canvas, Sheet 2 of 2*

## 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:

May 2010 warranty agreement  
Henry Wiebe, Building Sales, Winkler Canvas Ltd.  
Ruth Book, P.E., State Conservation Engineer, NRCS-IL

**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

*Legacy Building Solutions, Sheet 1 of 2*

Manufacturer and Designer: Legacy Building Solutions  
19500 County Road 142  
South haven, MN 55382

Product Name: Legendary Building Series

Main Building Cover Material: Nova-Shield II™ with ArmorKote™ RU88X-6 (4-mil)

Additional NRCS Warranty: Legacy Building Solutions will supply all buildings funded by NRCS in the State of Illinois with prorated warranty coverage of 15 years on the steel parts and hardware in the main structure, as well as on the main cover and hardware, including tie-down system.

Each design package shall contain a written warranty statement provided by the manufacturer, which includes the additional NRCS warranty.

Site Specific Design Certification Procedure: Legacy Building Solutions 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 Legacy design plans will contain a certification statement and stamp by an engineer licensed in Illinois that the products designed and fabricated by Legacy Building Solutions meet the design and loading criteria on the plan.

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:

*“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.”*

The NRCS engineer with adequate engineering job approval authority (or certified Technical Service Provider, as appropriate) shall provide final design approval.

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:

January 2012 warranty agreement  
Paul Smith, Sales Manager, Legacy Building Solutions.  
Ruth Book, P.E., State Conservation Engineer, NRCS-IL