

WESTON & SAMPSON ENGINEERS, INC.  
100 International Drive, Suite 152  
Portsmouth, NH 03801  
(603) 431-3937

## SHOP DRAWING REVIEW MEMORANDUM

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**TO:** S&R Corporation  
**FROM:** Weston & Sampson Engineers, Inc.  
**DATE:** December 13, 2010  
**PROJECT:** 2100577 Sanford, ME – Aerofab Mill Demolition

**SUBJECT:** Transmittal No. 243-002 (SECTION 02220)  
**COPIES TO:** NH Files, Project File 2100577 – 170, Sanford, ME

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The following comments apply to shop drawing transmittal No. 243-002, Demolition Procedure, and shall be considered part of that submittal.

The comments contained in this Shop Drawing Review Memorandum are intended for use as a guide towards submittal of an approvable shop drawing transmittal and are not intended to be used as a complete checklist of revisions or to supersede the Contract Documents.

The resubmittal of the subject transmittal listed above, if applicable, shall explicitly address the following in addition to any other deviations from the Contract Documents not addressed in this form.

**Item No.:** 1 - Demolition Procedure  
**Review Code:** 2 - Make Corrections Noted

**Notes:**

1. Water is a sufficient method of dust control however it should be noted if the use of water as a dust suppressant is not satisfactory to the Town or the Engineer alternative methods may be required.
2. All vehicles leaving the demolition site shall have no mud and dirt on the vehicle body or wheels.

P:\SANFORD ME\2100577 AEROFAB DEMO\170-SHOP DWGS\002 - DEMOLITION PROCEDURE.DOC

Reviewed By: \_\_\_\_\_ RIC  \_\_\_\_\_ Date: \_\_\_\_\_ 12/13/10 \_\_\_\_\_

# Shop Drawing Transmittal

**Weston & Sampson**  
ENGINEERS, INC.

## Instructions for Preparing Transmittal

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TRANSMITTAL NOS. to be consecutive (1, 2, 3, etc.).

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SIGNATURE OF CONTRACTOR: Signature of individual who reviews and approves material prior to submittal to engineer.

Contractor to retain last copy. Submit original with two pink and two yellow copies.

THIS SECTION TO BE COMPLETED BY CONTRACTOR				W&S JOB NO.		
TRANS. NO.	SPEC. SECT. NO.	DATE	CONTRACTOR'S JOB NO.			
243-002		12 / 3 / 10	243			
PROJECT NAME & CONTRACT NO. AEROFAB MILC DEMOLITION 09001056			LOCATION 3 AEROFAB DRIVE - SAKFORD ME			
Attention: CSD Weston & Sampson Engineers, Inc. 5 Centennial Drive Peabody, MA 01960-7985			(CONTRACTOR) S&R CORPORATION 706 BROADWAY ST LOWELL MA 01854			
ITEM NO.	DESCRIPTION	SOURCE	DRAWING NO. CATALOG NO. BROCHURE, ETC.	NO. OF COPIES	CONTRACT DRAWING REF.	BY W&S ACTION CODE REVIEWED BY
①	Demolition PROCEDURE	S&R Corp		6		2 RIC
②						
③						
④						
THIS CERTIFIES THAT ALL ITEMS SUBMITTED HERewith HAVE BEEN CHECKED BY THE CONTRACTOR, ARE IN CONFORMANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, EXCEPT AS NOTED, AND ARE APPROVED BY THE CONTRACTOR FOR THIS PROJECT.						
SPECIAL INSTRUCTIONS: (FOR CONTRACTOR) Signature & Title: <i>Pat Swadlow</i> SUPERINTENDENT						
THIS SECTION TO BE COMPLETED BY W&S						
ACTION CODE			FIELD OFFICE		Weston & Sampson ENGINEERS, INC.	
1. NO EXCEPTIONS TAKEN			RECD BY <i>W&amp;S</i>		BY <i>Michael Root</i>	
2. MAKE CORRECTIONS NOTED			DATE 12 / 3 / 10		DATE 12 / 14 / 10	
3. AMEND AND RESUBMIT						
4. REJECTED - SEE REMARKS						
5. ACKNOWLEDGMENT						

**Please! BEAR DOWN WHEN HANDWRITING -- THIS IS A 6 COPY FORM & THE LAST COPY IS YOURS!**

**CONTRACTOR'S REUSE, RECYCLING, AND DISPOSAL REPORT**



**Project Name:** Aerofab Building Demolition  
**Job No.:** 243

**Contractor's Name:** S & R Corporation

**Street Address:** 706 Broadway St

**City:** Lowell **State:** MA **Zip:** 01854

**Phone:** (978) 441-2000 **Fax:** (978) 441-2002

**Prepared by:**

**Date Submitted:**

**Period Covered:** From: To:

**Reuse, Recycling or Disposal Processes Used**

*Describe the types of recycling processes or disposal activities used for material generated in the project. Indicate the type of process or activity by number, types of materials, and quantities that were recycled or disposed in the sections below:*

- 01 - Reuse of building materials or salvage items on site (i.e. crushed base or red clay brick)
- 02 - Salvaging building materials or salvage items at an off site salvage or re-use center (i.e. lighting, fixtures)
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- 09 - Other (please describe) \_\_\_\_\_

**Types of Material Generated**

*Use these codes to indicate the types of material that were generated on the project*

- A = Asphalt      C = Concrete      M = Metals      I = Mixed Inert      G = Green Materials
- D = Drywall      P/C=Paper/Cardboard      W/C = Wire/Cable      S= Soils (Non Hazardous)
- C&D = Miscellaneous Construction Debris      R = Reuse/Salvage      W = Wood      O = Other (describe)

**Facilities Used:** Provide name of facility and location (City)

**Total Truck Loads:** Provide number of trucks hauled from site during reporting period

**Total Quantities:** If scales are available at sites, report in tons. If not, quantify by cubic yards. For salvage/reuse items, quantify by estimated weight (or units).

**SECTION I - RE-USED/RECYCLED MATERIALS**

*Include all recycling activities for source separated or mixed material recycling centers where recycling occurred.*

Type of Material (ex.) G	Type of Activity	Facilities Used, Location	Total Truck Loads	Total Quantities		
				Tons	Cubic Yds	Other Wt.
a. Total Diversion			-	-	-	-

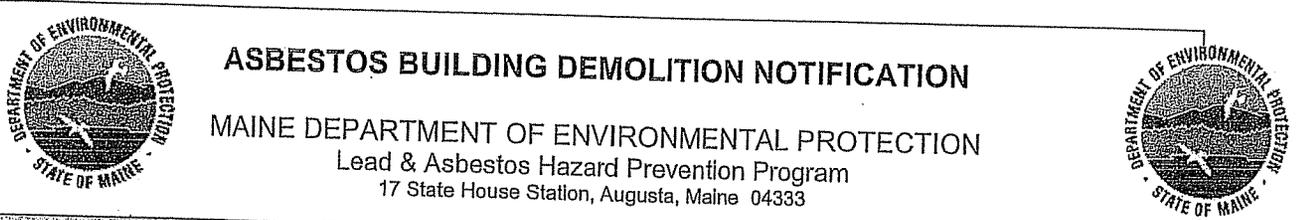




STATE OF MAINE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JOHN ELIAS BALDACCI  
GOVERNOR

BETH NAGUSKY  
ACTING COMMISSIONER



**ASBESTOS BUILDING DEMOLITION NOTIFICATION**

MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Lead & Asbestos Hazard Prevention Program  
17 State House Station, Augusta, Maine 04333

**Maine law requires the filing of the ASBESTOS BUILDING DEMOLITION NOTIFICATION with the Department prior to demolition of any building except a single-family home.**

Building owners are required to provide this notification of the demolition of a building to the DEP at least 5 working days prior to the demolition. This notification is **not** required before the demolition of a single-family residence or related structure (e.g., garage, shed, barn). It is also **not** required if previous notification of the demolition has been provided to the DEP as part of an asbestos abatement project notification. **Demolition** means the tearing down or intentional burning of a building or part of a building.

Prior to demolition, building owners must determine if there is any asbestos-containing material(s) (ACM) in the building. An "asbestos inspection" by a DEP-licensed Asbestos Consultant is required for all buildings except single-family homes and residential buildings with 2-4 units built after 1980. In lieu of an asbestos inspection, pre-1981 residential buildings with 2-4 units can be surveyed to identify possible ACM by someone knowledgeable about ACM, such as a code enforcement officer or building inspector. If materials that may contain asbestos are found, then you can either assume they are ACM or hire a DEP-licensed Asbestos Consultant to test the materials.

Whenever more than 3 square feet or 3 linear feet of ACM is identified, the ACM must be abated in accordance with the *Maine Asbestos Management Regulations* by a DEP-licensed Asbestos Abatement Contractor. This includes materials presumed to be ACM. Check [www.maine.gov](http://www.maine.gov) for a listing of asbestos contractors.

Prior to issuing a local demolition permit, the DEP requests that **municipalities** have applicants for municipal demolition permits complete this form and fax it to the DEP at 207-287-6220. Municipalities should not issue local demolition permits if the required asbestos inspection or survey has not been performed and identified ACM removed.

Were regulated asbestos-containing building materials found?  yes  no

property address: <b>3 Aerofab Drive Sanford, ME 04073</b>	building description: <input type="checkbox"/> pre-1981 residential with 2-4 units <input type="checkbox"/> post-1980 residential with 2-4 units <input checked="" type="checkbox"/> other:
asbestos survey/inspection performed by: (name & address) <b>Dennis B. Kingman Jr. MEP Inspector A1-0034 telephone: 207-795-6009</b>	asbestos abatement contractor <b>Abatement Professional Corp. 590 County Road Westbrook, ME 04092 telephone: 207-773-1276</b>

AUGUSTA  
17 STATE HOUSE STATION  
AUGUSTA, MAINE 04333-0017  
(207) 287-7688 FAX: (207) 287-7826  
RAY BLDG., HOSPITAL ST.

BANGOR  
106 HOGAN ROAD, SUITE 6  
BANGOR, MAINE 04401  
(207) 941-4570 FAX: (207) 941-4584

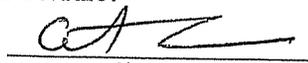
PORTLAND  
312 CANCO ROAD  
PORTLAND, MAINE 04103  
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE  
1235 CENTRAL DRIVE, SKYWAY PARK  
PRESQUE ISLE, MAINE 04679-2094  
(207) 764-0477 FAX: (207) 760-3143

Letter to  
(date)  
Page 2 of 2

property owner: (name & address) Town of Sanford, ME 914 Main St Sanford, ME telephone: 207-324-9173	demolition contractor: (name & address) STR Corporation 706 Broadway St Lowell, MA 01884 telephone:
demolition start date: (mm/dd/yy) 12-13-10	demolition end date: (mm/dd/yy) 2-28-11

*This demolition notification does not take the place of the Asbestos Project Notification if applicable*

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT			
Print Name: Owner/Agent	Austin Cannon STR Corporation	Title	 Signature
Telephone #	978-441-2000	FAX #	978-441-2502
			Date

Confirmation Report - Memory Send

Page : 001  
Date & Time: Dec-02-10 12:03pm  
Line 1 : 978 441 2002  
Line 2 :  
Machine ID : S&R Corporation

Job number : 541  
Date : Dec-02 12:02pm  
To : 12072876220  
Number of pages : 003  
Start time : Dec-02 12:02pm  
End time : Dec-02 12:03pm  
Pages sent : 003  
Status : OK

Job number : 541

\*\*\* SEND SUCCESSFUL \*\*\*



706 Broadway Street  
Lowell, MA 01854  
Tel: (978) 441-2000  
Main Fax: (978) 441-2002  
Estimating Fax: (978) 441-3002

ESTIMATING DEPARTMENT

Facsimile Transmittal Sheet

To: Maine DEP From: Austin Cannon  
Co: Pages: 3  
Fax: 207-287-6220 Date: 12/2/2010  
Re: Building Demolition Notification CC:  
 Urgent  For Review  Please Comment  Please Reply  Please Recycle

Please let me know if you have any questions.

Thank You,  
Austin Cannon



# **Demolition Procedure**

**Aerofab Building - #126, White Wood Frame  
Building - #126-A, and Wood Railroad Trestle**

**November 2010**

Location: 3 Aerofab Drive, Sanford, ME 04073

Project: Demolition of Building #126, 126A and Wooden Trestle

Specification Section #: 02220 (A) (B)

#### 1.01 DESCRIPTION:

A. This Section specifies the demolition of the former Aerofab Manufacturing Facility (including the white wood frame structure (#126-A) and the wood railroad trestle), located in Sanford, Maine at the location shown on Drawing C-2: Building Demolition/Utility Abandonment Plan. This demolition work is located within the Contract Limits of Work as shown on Drawing C-2 and as specified in Section 01014, SCOPE AND SEQUENCE OF WORK. The extent of building demolition work includes the removal and proper disposal of building structures and components, as specified herein. S&R Corporation shall verify the construction and condition information of the building as well as the information presented in these Contract Documents, by site inspection, and shall provide all resources to perform the building demolition work.

#### B. Extent of Physical Building Demolition (Aerofab Building - #126, White Wood Frame Building - #126-A, and Wood Railroad Trestle)

1. As part of Building Demolition, S&R Corporation shall remove the building superstructures, inclusive of all structural and building components, including floor coverings above floor slab grade. Demolition of the Aerofab building **excludes** the demolition of the three covered walkway bridges connecting the Aerofab building to the structures on the northern side of the Mousam River channel (refer to Paragraph 3.03 of this Section).

2. S&R Corporation shall remove the building floor slab and below grade foundation structures to a depth of 2 feet below top of floor slab grade with the exception of the perimeter wall adjacent to the Mousam River. Along the Mousam River building perimeter, S&R Corporation shall remove exterior wall (wood frame and brick) to level of the concrete/field stone river channel wall. S&R Corporation shall protect the supports for the three covered walkways, and the floor slab adjacent to each entrance into the Aerofab building shall remain in place (refer to Drawing C-2). Walkway entrances shall be sealed with marine grade plywood. Following completion of demolition activities, the walkways shall be secured with 6-foot high chain link fence as indicated on Drawing C-3.

3. S&R Corporation shall protect adjacent buildings to remain (if required), including any foundations or walls shared with the building to be demolished, and shall repair any damage to these buildings/structures resulting from demolition activities at no additional cost to the Owner. Any opening or entrances to remaining structures left exposed from the removal of the Aerofab Building #126 and/or #126-A buildings shall be sealed with marine grade plywood and chain link fencing, per specifications. At locations where the covered walkway bridges attach to construction scheduled for demolition, S&R shall hand separate the structural framing members, and perform a saw-cut separation of the floor slab prior to demolition, any foundation wall bearing surfaces shall be separated by hand methods or sawcut methods prior to demolition of adjoining building components. Should it be determined that shoring or bracing needs to be installed S&R will submit under separate cover a shoring plan that will outline the means & methods of shoring to be utilized.

4. As part of Building Demolition, S&R Corporation shall remove the wood railroad trestle located adjacent and to the south of the Aerofab building, inclusive of all structural components, concrete foundations to within 2 feet below grade, and any support components to the adjacent concrete walls. After removal of the structure, the area shall be graded to slope towards the adjacent storm water catch basins.

5. All utilities and equipment within the building footprint shall be removed from the site as property of S&R Corporation. Utility services to the building shall be disconnected/terminated/abandoned in accordance with Drawing C-2: Building Demolition/Utility Abandonment Plan. Any live utility feeds to the building must be terminated in accordance with the utility owner.

6. As part of the mechanical Building Demolition, S&R Corporation shall remove and dispose of properly any furnishings, fixtures, equipment, mechanical aspects, and any and all other structural and non-structural improvements and aspects. S&R CORPORATION should assume that furnishings of value that may have been observed by him during the pre-bid site inspection will become his property and shall be removed and properly disposed of by the S&R CORPORATION, unless specifically identified to the contrary in these Contract Documents or as directed by the ENGINEER. All materials, shall be removed, reused and/or transported to appropriate disposal facilities. **All hazardous and asbestos containing materials shall be removed by others under separate agreement.**

7. S&R CORPORATION shall crush clean asphalt, brick, and concrete (ABC) demolition debris on-site for use as structural backfill material for demolished building foundation excavations. ABC debris shall be crushed to 3-inch minus for this purpose. Surplus crushed material shall be placed and compacted to finish grades. Final grading within the demolition footprint and associated disturbed areas shall be such that a 1% grade away from the Mousam River is achieved. S&R Corporation shall grade to existing storm water grates such that surface run-off is directed towards these structures. If the existing storm water structure frames and grates are above the adjacent grades, the area surrounding the structures shall be graded so that storm water ponds around the grates and overflows into the grates.

8. Any fill materials under slabs, but above surrounding grade within a building's or structure's footprint, shall be removed to the extent necessary to level the footprint area to the ground lines immediately outside the footprint. Such above ground fill shall be kept on site and spread or stockpiled as directed by the ENGINEER.

9. S&R Corporation shall demolish and remove all additional structural or nonstructural portions of the building as is required for complete removal of the building from the site as described above. This shall include all stairs, porches, platforms, ancillary buildings, build-outs, concrete piers and other improvements associated with the buildings and other structures, even though they may be located or extend beyond the building's or structure's general footprint.

10. In areas where demolition work is performed, protect, support, secure, and maintain both underground and aboveground utility systems that are to remain.

#### **General Notes:**

Traffic & pedestrian control, (if necessary) to be in accordance with the Contract Plans.

Temporary 6' chain link fencing and barriers will be in place prior to any structural demolition activities commencing.

All existing utilities feeding the structures to be demolished, will be removed, cut or capped prior to demolition activities commencing.

Erosion control devices shall be installed onsite at locations indicated in the contract specifications prior to demolition activities. Additionally post demolition erosion control measures will be installed at completion of demolition activities.

All required permits and notifications, are to be issued prior to demolition.

All non-masonry demolition debris will be disposed /recycled of off-site.

All suitable masonry demolition debris (ABC Debris) will be recycled on-site and used as backfill onsite.

**Equipment to be utilized:**

Cat 345 Excavator, equipped w/demolition grapple and heavy-duty bucket  
Cat 330 or second Cat--345 Excavator, equipped with hydraulic thumb and/or demolition grapple and heavy-duty bucket  
Cat-966G Rubber Tire Loader, equipped w/5.5CY bucket (or equal)  
O&M Saturno Mobile Jaw Crusher  
Bobcat S160 Skid Steer Loader

**Demolition Procedure:****ALL STRUCTURES:**

Ensure all utilities are capped, sealed and or removed prior to demolition

*Floors:*

- Excavators will utilize grapples to structurally fracture the wood and/or concrete framing members.
- Demolition will begin at the structure/s roof line via the demolition grapple removing framing members and placing them onto the floor system immediately below, ceilings, roof and unsupported walls will be collapsed down and/or folded into the building's interior and placed into the structures basement. Demolition will continue in a systematic fashion from the top/roof line down to the basement level.
- Work will continue, in this fashion until all roof, walls, ceilings and floor framing is structurally demolished, and the resultant debris is placed into the building's basement void for further material segregation and processing
- Dust will be suppressed by use of a laborer misting water from a 1-1/2" fire line equipped with an adjustable nozzle
- Placement of the fire line will vary depending on site activities and as demolition work progresses.

*Loading of Debris:*

- Excavators equipped with demolition grapples will be placed within footprint area of building on top of debris pile.
- Open top 100 cubic yard trailer trucks will be placed adjacent to building area within reach of the excavator, C&D material will be grasped by the grapple and swung over the top of the trailer where the grapple will release its load and allow the C&D material to fall into the awaiting truck body.
- Work will continue in this fashion with the excavator backing its way off the debris pile and onto the ground surface adjacent of the structure while loading the debris staged within its footprint void.

**Remove Slabs & Foundations:***Proposed Equipment:*

- Cat-345C Excavator HD bucket
- Cat-330D Excavator w/ Bucket and Hydraulic Thumb
- Cat-966G Rubber Tire Loader (or equal)
- O&M Saturno Mobile Jaw Crusher (if required)
- Bobcat S160 Skid Steer Loader

## Procedure

- Excavators 345C and/or 330D positioned adjacent to building foundation
- Heavy duty demolition buckets will be installed to remove the poured concrete and stone foundations
- Debris will be stockpiled onsite
- The concrete and stone will be recycled onsite via the Saturno Jaw Crusher
- Dust will be suppressed by use of a laborer with a fire hose, equipped with misting nozzles and the on-board, self-contained dust suppression system.
- Placement of the fire hose will vary depending on site activities and as demolition work progresses.

## **DUST CONTROL PLAN:**

General demolition efforts may cause dust at the site. On-site demolition work will proceed in a manner that minimizes the spread of dust and flying particles such that safe conditions are provided for the public and personnel employed on the site. Because it is possible that building demolition and on-site processing activities may generate dust, S&R will provide dust control procedures to control fugitive emissions from the site. When necessary, water will be used as a dust suppressant, applied manually through spray-nozzles affixed to hoses. Water will be provided by S&R using a mobile source, by tapping into a supply on the site, or by temporarily using water from a fire hydrant with the permission of the local governing authorities. Water will be misted over the area during demolition, waste handling and crushing operations, but in quantities only sufficient to dampen the materials or pavement surface such that dust liberation is prevented. Runoff from dust suppression activities will not occur and, therefore, collection and disposal of dust suppression water is not anticipated. Sweeping, including manual (hand broom) and mechanical (street sweeper, if necessary) methods, will be performed during and following the demolition activities as necessary to minimize the accumulation of materials generated by demolition activities that have the potential to become airborne. Because dust generation associated with the proposed demolition activities will not be significant, permits from the Department of Environmental Protection Air Quality Control are not anticipated. The use of dust suppression will be determined through visual observations.

WESTON & SAMPSON ENGINEERS, INC.  
100 International Drive, Suite 152  
Portsmouth, NH 03801  
(603) 431-3937

## SHOP DRAWING REVIEW MEMORANDUM

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**FROM:** Weston & Sampson Engineers, Inc.  
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243-002		12 / 3 / 10	243							
PROJECT NAME & CONTRACT NO.		LOCATION								
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SPECIAL INSTRUCTIONS:										
(FOR CONTRACTOR) SIGNATURE & TITLE: <i>Pat Shaulsky</i> SUPERINTENDENT										
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**Job No.:** 243

**Contractor's Name:** S & R Corporation

**Street Address:** 706 Broadway St

**City:** Lowell **State:** MA **Zip:** 01854

**Phone:** (978) 441-2000 **Fax:** (978) 441-2002

**Prepared by:**

**Date Submitted:**

**Period Covered:** From: To:

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 C&D = Miscellaneous Construction Debris      R = Reuse/Salvage      W = Wood      O = Other (describe)

**Facilities Used:** Provide name of facility and location (City)

**Total Truck Loads:** Provide number of trucks hauled from site during reporting period

**Total Quantities:** If scales are available at sites, report in tons. If not, quantify by cubic yards. For salvage/reuse items, quantify by estimated weight (or units).

**SECTION I - RE-USED/RECYCLED MATERIALS**

*Include all recycling activities for source separated or mixed material recycling centers where recycling occurred.*

Type of Material (ex.) G	Type of Activity	Facilities Used, Location	Total Truck Loads	Total Quantities		
				Tons	Cubic Yds	Other Wt.
a. Total Diversion			-	-	-	-





STATE OF MAINE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JOHN ELIAS BALDACCI  
GOVERNOR

BETH NAGUSKY  
ACTING COMMISSIONER



**ASBESTOS BUILDING DEMOLITION NOTIFICATION**



MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Lead & Asbestos Hazard Prevention Program  
17 State House Station, Augusta, Maine 04333

**Maine law requires the filing of the ASBESTOS BUILDING DEMOLITION NOTIFICATION with the Department prior to demolition of any building except a single-family home.**

Building owners are required to provide this notification of the demolition of a building to the DEP at least 5 working days prior to the demolition. This notification is **not** required before the demolition of a single-family residence or related structure (e.g., garage, shed, barn). It is also **not** required if previous notification of the demolition has been provided to the DEP as part of an asbestos abatement project notification. **Demolition** means the tearing down or intentional burning of a building or part of a building.

Prior to demolition, building owners must determine if there is any asbestos-containing material(s) (ACM) in the building. An "asbestos inspection" by a DEP-licensed Asbestos Consultant is required for all buildings except single-family homes and residential buildings with 2-4 units built after 1980. In lieu of an asbestos inspection, pre-1981 residential buildings with 2-4 units can be surveyed to identify possible ACM by someone knowledgeable about ACM, such as a code enforcement officer or building inspector. If materials that may contain asbestos are found, then you can either assume they are ACM or hire a DEP-licensed Asbestos Consultant to test the materials.

Whenever more than 3 square feet or 3 linear feet of ACM is identified, the ACM must be abated in accordance with the *Maine Asbestos Management Regulations* by a DEP-licensed Asbestos Abatement Contractor. This includes materials presumed to be ACM. Check [www.maine.gov](http://www.maine.gov) for a listing of asbestos contractors.

Prior to issuing a local demolition permit, the DEP requests that **municipalities** have applicants for municipal demolition permits complete this form and fax it to the DEP at 207-287-6220. Municipalities should not issue local demolition permits if the required asbestos inspection or survey has not been performed and identified ACM removed.

Were regulated asbestos-containing building materials found?  yes  no

property address: 3 Aerofab Drive Sanford, ME 04073	building description: <input type="checkbox"/> pre-1981 residential with 2-4 units <input type="checkbox"/> post-1980 residential with 2-4 units <input checked="" type="checkbox"/> other:
asbestos survey/inspection performed by: (name & address) Dennis B Kingman Jr. MEP Inspector AI-0034 telephone: 207-795-6009	asbestos abatement contractor Abatement Professional Corp. 590 County Road Westbrook, ME 04092 telephone: 207-773-1276

AUGUSTA  
17 STATE HOUSE STATION  
AUGUSTA, MAINE 04333-0017  
(207) 287-7688 FAX: (207) 287-7826  
RAY BLDG., HOSPITAL ST.

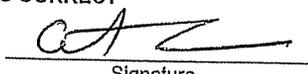
BANGOR  
106 HOGAN ROAD, SUITE 6  
BANGOR, MAINE 04401  
(207) 941-4570 FAX: (207) 941-4584

PORTLAND  
312 CANCO ROAD  
PORTLAND, MAINE 04103  
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE  
1235 CENTRAL DRIVE, SKYWAY PARK  
PRESQUE ISLE, MAINE 04679-2094  
(207) 764-0477 FAX: (207) 760-3143

property owner: (name & address) Town of Sanford, ME 914 Main St Sanford, ME telephone: 207-324-9173	demolition contractor: (name & address) STR Corporation 706 Broadway St Lowell, MA 01884 telephone:
demolition start date: (mm/dd/yy) 12-13-10	demolition end date: (mm/dd/yy) 2-28-11

*This demolition notification does not take the place of the Asbestos Project Notification if applicable*

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT			
Print Name: Owner/Agent	Austin Cannon STR Corporation	Title	 Signature
Telephone #	978-441-2000	FAX #	978-441-2002
			Date

Confirmation Report - Memory Send

Page : 001  
Date & Time: Dec-02-10 12:03pm  
Line 1 : 978 441 2002  
Line 2 :  
Machine ID : S&R Corporation

Job number : 541  
Date : Dec-02 12:02pm  
To : 12072876220  
Number of pages : 003  
Start time : Dec-02 12:02pm  
End time : Dec-02 12:03pm  
Pages sent : 003  
Status : OK

Job number : 541

\*\*\* SEND SUCCESSFUL \*\*\*



706 Broadway Street  
Lowell, MA 01854  
Tel: (978) 441-2000  
Main Fax: (978) 441-2002  
Estimating Fax: (978) 441-3002

ESTIMATING DEPARTMENT

Facsimile Transmittal Sheet

To: Maine DEP From: Austin Cannon  
Co: Pages: 3  
Fax: 207-287-6220 Date: 12/2/2010  
Re: Building Demolition Notification CC:  
 Urgent  For Review  Please Comment  Please Reply  Please Recycle

Please let me know if you have any questions.

Thank You,  
Austin Cannon



## **Demolition Procedure**

**Aerofab Building - #126, White Wood Frame  
Building - #126-A, and Wood Railroad Trestle**

**November 2010**

Location: 3 Aerofab Drive, Sanford, ME 04073

Project: Demolition of Building #126, 126A and Wooden Trestle

Specification Section #: 02220 (A) (B)

#### 1.01 DESCRIPTION:

A. This Section specifies the demolition of the former Aerofab Manufacturing Facility (including the white wood frame structure (#126-A) and the wood railroad trestle), located in Sanford, Maine at the location shown on Drawing C-2: Building Demolition/Utility Abandonment Plan. This demolition work is located within the Contract Limits of Work as shown on Drawing C-2 and as specified in Section 01014, SCOPE AND SEQUENCE OF WORK. The extent of building demolition work includes the removal and proper disposal of building structures and components, as specified herein. S&R Corporation shall verify the construction and condition information of the building as well as the information presented in these Contract Documents, by site inspection, and shall provide all resources to perform the building demolition work.

B. Extent of Physical Building Demolition (Aerofab Building - #126, White Wood Frame Building - #126-A, and Wood Railroad Trestle)

1. As part of Building Demolition, S&R Corporation shall remove the building superstructures, inclusive of all structural and building components, including floor coverings above floor slab grade. Demolition of the Aerofab building **excludes** the demolition of the three covered walkway bridges connecting the Aerofab building to the structures on the northern side of the Mousam River channel (refer to Paragraph 3.03 of this Section).

2. S&R Corporation shall remove the building floor slab and below grade foundation structures to a depth of 2 feet below top of floor slab grade with the exception of the perimeter wall adjacent to the Mousam River. Along the Mousam River building perimeter, S&R Corporation shall remove exterior wall (wood frame and brick) to level of the concrete/field stone river channel wall. S&R Corporation shall protect the supports for the three covered walkways, and the floor slab adjacent to each entrance into the Aerofab building shall remain in place (refer to Drawing C-2). Walkway entrances shall be sealed with marine grade plywood. Following completion of demolition activities, the walkways shall be secured with 6-foot high chain link fence as indicated on Drawing C-3.

3. S&R Corporation shall protect adjacent buildings to remain (if required), including any foundations or walls shared with the building to be demolished, and shall repair any damage to these buildings/structures resulting from demolition activities at no additional cost to the Owner. Any opening or entrances to remaining structures left exposed from the removal of the Aerofab Building #126 and/or #126-A buildings shall be sealed with marine grade plywood and chain link fencing, per specifications. At locations where the covered walkway bridges attach to construction scheduled for demolition, S&R shall hand separate the structural framing members, and perform a saw-cut separation of the floor slab prior to demolition, any foundation wall bearing surfaces shall be separated by hand methods or sawcut methods prior to demolition of adjoining building components. Should it be determined that shoring or bracing needs to be installed S&R will submit under separate cover a shoring plan that will outline the means & methods of shoring to be utilized.

4. As part of Building Demolition, S&R Corporation shall remove the wood railroad trestle located adjacent and to the south of the Aerofab building, inclusive of all structural components, concrete foundations to within 2 feet below grade, and any support components to the adjacent concrete walls. After removal of the structure, the area shall be graded to slope towards the adjacent storm water catch basins.

5. All utilities and equipment within the building footprint shall be removed from the site as property of S&R Corporation. Utility services to the building shall be disconnected/terminated/abandoned in accordance with Drawing C-2: Building Demolition/Utility Abandonment Plan. Any live utility feeds to the building must be terminated in accordance with the utility owner.

6. As part of the mechanical Building Demolition, S&R Corporation shall remove and dispose of properly any furnishings, fixtures, equipment, mechanical aspects, and any and all other structural and non-structural improvements and aspects. S&R CORPORATION should assume that furnishings of value that may have been observed by him during the pre-bid site inspection will become his property and shall be removed and properly disposed of by the S&R CORPORATION, unless specifically identified to the contrary in these Contract Documents or as directed by the ENGINEER. All materials, shall be removed, reused and/or transported to appropriate disposal facilities. **All hazardous and asbestos containing materials shall be removed by others under separate agreement.**

7. S&R CORPORATION shall crush clean asphalt, brick, and concrete (ABC) demolition debris on-site for use as structural backfill material for demolished building foundation excavations. ABC debris shall be crushed to 3-inch minus for this purpose. Surplus crushed material shall be placed and compacted to finish grades. Final grading within the demolition footprint and associated disturbed areas shall be such that a 1% grade away from the Mousam River is achieved. S&R Corporation shall grade to existing storm water grates such that surface run-off is directed towards these structures. If the existing storm water structure frames and grates are above the adjacent grades, the area surrounding the structures shall be graded so that storm water ponds around the grates and overflows into the grates.

8. Any fill materials under slabs, but above surrounding grade within a building's or structure's footprint, shall be removed to the extent necessary to level the footprint area to the ground lines immediately outside the footprint. Such above ground fill shall be kept on site and spread or stockpiled as directed by the ENGINEER.

9. S&R Corporation shall demolish and remove all additional structural or nonstructural portions of the building as is required for complete removal of the building from the site as described above. This shall include all stairs, porches, platforms, ancillary buildings, build-outs, concrete piers and other improvements associated with the buildings and other structures, even though they may be located or extend beyond the building's or structure's general footprint.

10. In areas where demolition work is performed, protect, support, secure, and maintain both underground and aboveground utility systems that are to remain.

#### **General Notes:**

Traffic & pedestrian control, (if necessary) to be in accordance with the Contract Plans.

Temporary 6' chain link fencing and barriers will be in place prior to any structural demolition activities commencing.

All existing utilities feeding the structures to be demolished, will be removed, cut or capped prior to demolition activities commencing.

Erosion control devices shall be installed onsite at locations indicated in the contract specifications prior to demolition activities. Additionally post demolition erosion control measures will be installed at completion of demolition activities.

All required permits and notifications, are to be issued prior to demolition.

All non-masonry demolition debris will be disposed /recycled of off-site.

All suitable masonry demolition debris (ABC Debris) will be recycled on-site and used as backfill onsite.

**Equipment to be utilized:**

Cat 345 Excavator, equipped w/demolition grapple and heavy-duty bucket  
Cat 330 or second Cat--345 Excavator, equipped with hydraulic thumb and/or demolition grapple and heavy-duty bucket  
Cat-966G Rubber Tire Loader, equipped w/5.5CY bucket (or equal)  
O&M Saturno Mobile Jaw Crusher  
Bobcat S160 Skid Steer Loader

**Demolition Procedure:****ALL STRUCTURES:**

Ensure all utilities are capped, sealed and or removed prior to demolition

*Floors:*

- Excavators will utilize grapples to structurally fracture the wood and/or concrete framing members.
- Demolition will begin at the structure/s roof line via the demolition grapple removing framing members and placing them onto the floor system immediately below, ceilings, roof and unsupported walls will be collapsed down and/or folded into the building's interior and placed into the structures basement. Demolition will continue in a systematic fashion from the top/roof line down to the basement level.
- Work will continue, in this fashion until all roof, walls, ceilings and floor framing is structurally demolished, and the resultant debris is placed into the building's basement void for further material segregation and processing
- Dust will be suppressed by use of a laborer misting water from a 1-1/2" fire line equipped with an adjustable nozzle
- Placement of the fire line will vary depending on site activities and as demolition work progresses.

*Loading of Debris:*

- Excavators equipped with demolition grapples will be placed within footprint area of building on top of debris pile.
- Open top 100 cubic yard trailer trucks will be placed adjacent to building area within reach of the excavator, C&D material will be grasped by the grapple and swung over the top of the trailer where the grapple will release its load and allow the C&D material to fall into the awaiting truck body.
- Work will continue in this fashion with the excavator backing its way off the debris pile and onto the ground surface adjacent of the structure while loading the debris staged within its footprint void.

**Remove Slabs & Foundations:****Proposed Equipment:**

- Cat-345C Excavator HD bucket
- Cat-330D Excavator w/ Bucket and Hydraulic Thumb
- Cat-966G Rubber Tire Loader (or equal)
- O&M Saturno Mobile Jaw Crusher (if required)
- Bobcat S160 Skid Steer Loader

## Procedure

- Excavators 345C and/or 330D positioned adjacent to building foundation
- Heavy duty demolition buckets will be installed to remove the poured concrete and stone foundations
- Debris will be stockpiled onsite
- The concrete and stone will be recycled onsite via the Saturno Jaw Crusher
- Dust will be suppressed by use of a laborer with a fire hose, equipped with misting nozzles and the on-board, self-contained dust suppression system.
- Placement of the fire hose will vary depending on site activities and as demolition work progresses.

## **DUST CONTROL PLAN:**

General demolition efforts may cause dust at the site. On-site demolition work will proceed in a manner that minimizes the spread of dust and flying particles such that safe conditions are provided for the public and personnel employed on the site. Because it is possible that building demolition and on-site processing activities may generate dust, S&R will provide dust control procedures to control fugitive emissions from the site. When necessary, water will be used as a dust suppressant, applied manually through spray-nozzles affixed to hoses. Water will be provided by S&R using a mobile source, by tapping into a supply on the site, or by temporarily using water from a fire hydrant with the permission of the local governing authorities. Water will be misted over the area during demolition, waste handling and crushing operations, but in quantities only sufficient to dampen the materials or pavement surface such that dust liberation is prevented. Runoff from dust suppression activities will not occur and, therefore, collection and disposal of dust suppression water is not anticipated. Sweeping, including manual (hand broom) and mechanical (street sweeper, if necessary) methods, will be performed during and following the demolition activities as necessary to minimize the accumulation of materials generated by demolition activities that have the potential to become airborne. Because dust generation associated with the proposed demolition activities will not be significant, permits from the Department of Environmental Protection Air Quality Control are not anticipated. The use of dust suppression will be determined through visual observations.

WESTON & SAMPSON ENGINEERS, INC.  
100 International Drive, Suite 152  
Portsmouth, NH 03801  
(603) 431-3937

## SHOP DRAWING REVIEW MEMORANDUM

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**TO:** S&R Corporation  
**FROM:** Weston & Sampson Engineers, Inc.  
**DATE:** December 13, 2010  
**PROJECT:** 2100577 Sanford, ME – Aerofab Mill Demolition  
**SUBJECT:** Transmittal No. 243-003 (Waste Management Plan)  
**COPIES TO:** NH Files, Project File 2100577 – 170, Sanford, ME

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The following comments apply to shop drawing transmittal No. 243-003, Waste Management Plan, and shall be considered part of that submittal.

The comments contained in this Shop Drawing Review Memorandum are intended for use as a guide towards submittal of an approvable shop drawing transmittal and are not intended to be used as a complete checklist of revisions or to supersede the Contract Documents.

The resubmittal of the subject transmittal listed above, if applicable, shall explicitly address the following in addition to any other deviations from the Contract Documents not addressed in this form.

**Item No.:** 1 - Waste Management Plan  
**Review Code:** 1 - No Exceptions Taken

P:\SANFORD ME\2100577 AEROFAB DEMO\170-SHOP DWGS\003 - WASTE MANAGEMENT PLAN.DOC

Reviewed By: \_\_\_\_\_ RIC  \_\_\_\_\_ Date: \_\_\_\_\_ 12/13/10 \_\_\_\_\_

# Shop Drawing Transmittal

**Weston & Sampson**  
ENGINEERS, INC.

## Instructions for Preparing Transmittal

No action will be taken on any item unless accompanied by this form. Type or print all entries.

TRANSMITTAL NOS. to be consecutive (1, 2, 3, etc.).

Each resubmittal of same item shall use same number with suffix letter (A, B, etc.).

SPEC. SECT. NO: Only one spec. section no. to each transmittal.

DESCRIPTION: Complete identification of document or group of documents.

SOURCE: Originator of document(s) being submitted.

DRAWING NO: Identification of document(s).

NO. of COPIES: Usually 6 or as directed/specified.

CONTRACT DRAWING REFERENCE: Contract drawing number(s) showing details of document(s) being submitted.

SPECIAL INSTRUCTIONS: Special cases and emergencies, changes in distribution and special handling requests, etc. should be entered here.

SIGNATURE OF CONTRACTOR: Signature of individual who reviews and approves material prior to submittal to engineer.

Contractor to retain last copy. Submit original with two pink and two yellow copies.

THIS SECTION TO BE COMPLETED BY CONTRACTOR									
TRANS. NO.	243-003	SPEC. SECT. NO.		DATE	12 / 3 / 10	CONTRACTOR'S JOB NO.	243	W&S JOB NO.	
PROJECT NAME & CONTRACT NO.		LOCATION							
AEROFAB MILC DEMOLITION 09001056		3 AEROFAB DRIVE - SANFORD ME							
Attention: CSD Weston & Sampson Engineers, Inc. 5 Centennial Drive Peabody, MA 01960-7985		(CONTRACTOR) S&R CORPORATION 706 BROADWAY ST LOWELL MA 01854							
ITEM NO.	DESCRIPTION	SOURCE	DRAWING NO. CATALOG NO. BROCHURE, ETC.	NO. OF COPIES	CONTRACT DRAWING REF.	ACTION CODE	BY W&S REVIEWED BY		
①	WASTE MANAGEMENT PLAN	S&R CORP		6		1	RIC		
②									
③									
④									

THIS CERTIFIES THAT ALL ITEMS SUBMITTED HERewith HAVE BEEN CHECKED BY THE CONTRACTOR, ARE IN CONFORMANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, EXCEPT AS NOTED, AND ARE APPROVED BY THE CONTRACTOR FOR THIS PROJECT.

SPECIAL INSTRUCTIONS:

(FOR CONTRACTOR) *Pat Smalley*  
SIGNATURE & TITLE: SUPERINTENDENT

THIS SECTION TO BE COMPLETED BY W&S

FIELD OFFICE		WESTON & SAMPSON ENGINEERS, INC.	
RECD BY	<i>MEC</i>	BY	<i>Michael Keels</i>
DATE	12 / 3 / 10	DATE	12 / 14 / 10

**Please! BEAR DOWN WHEN HANDWRITING -- THIS IS A 6 COPY FORM & THE LAST COPY IS YOURS!**



## CONSTRUCTION / DEMOLITION WASTE MANAGEMENT PLAN

1. **PROJECT TITLE:** Aerofab Building Demolition
2. **JOB NUMBER:** 243
3. **LOCATION:** 3 Aerofab Drive, Sanford, ME
4. **NATURE OF PROJECT:**

Demolition and disposal of two (2) wood frame structures and one (1) wooden Trestle including slab demolition and partial foundation removal. All demolished structures will be backfilled, with material crushed on site, to match existing grades.

### **SCOPE OF PROJECT:**

- Abandonment of existing utilities
- Install temp construction fencing and erosion controls
- Apply for and obtain State of Maine Demolition Permit, Trench Excavation Permit & Crushing Notification
- Demolition of existing wood framed structures
- Demolition of all structures slabs
- Demolition of all structures foundations two feet below grade
- Backfill structure foundations with crushed demolition material
- Onsite crushing of concrete & brick masonry resulting from demolition activities

### **Project Recycling Goals:**

No recycling goal has been established for this project, the anticipated waste stream will be minimal All non-asbestos material shall be disposed of at wood recycling facility. All resultant masonry and stone foundations will be recycled onsite and used as part of the clean fill for the backfill requirement. *See Table-A below for an estimated volume of recycled material vs material slated for landfill disposal. Table-B summarizes total waste disposed of vs total waste recycled and converted into an estimated percentage of waste (by weight) that is anticipated to be recycled.*

<b>Table - A</b>				
<b>Construction &amp; Demolition Waste Debris Table</b>				
<b>Commodity</b>	<b>Estimated Volume in Cubic Yards</b>	<b>Estimated Volume in Tons</b>	<b>Disposal Facility Type</b>	<b>Disposal Facility Name &amp; Location</b>
Non-Asbestos contaminated wood C&D, Brush, plaster, furniture	2,000	500	Wood Processing Facility (Recycling)	Bio-Fuels 38 Alfred A. Plourde Parkway Lewiston, ME 04240
Stone, Concrete, Inert Fill	800	1,600	Crushed Onsite	Used as Clean fill onsite
Metal, Iron, Steel	60	20	Recycling Yard (Scrap Yard)	Schnitzer North East Rover Street Everett, MA

<b>Table - B</b>			
<b>Total All Waste Streams (tons)</b>	<b>Total Recycled Waste (tons)</b>	<b>Total Landfill Waste (tons)</b>	<b>Percentage of Recycled materials (by weight)</b>
2,120	2,020	100	95.2%

**\*\*\*\* Disposal Facility Permits will be attached as Appendix-A to this plan\*\*\*\***

**5. Transporter Information:** The following transporters will be used to hauls debris the various disposal locations listed above.

- Clean C&D and wood waste: Bio-Fuels, Inc. (listed above)
- Iron, Steel, Metal: Schnitzer, N.E. (listed above)

Please be advised that none of the waste anticipated to be generated at this project is considered (Hazardous Waste per DOT regulation) there are no transporter licensing requirements the universal/OHM waste is shipped under a straight form Bill of Lading (BOL) no manifest required, and the remaining clean waste is not regulated for disposal or transportation.

**6. Project Management:** The project team will consist of the project manager, project superintendent and various tradesmen that will perform the actual execution of the work. And that all potential recyclable materials are identified and segregated for proper disposition.

**Project Team:**

- a. Project Manager: Thomas Guerette
- b. Project Superintendent: John Parrington/Patrick O'Malley
- c. Safety Manager: Clayton Morin

**The Project Superintendent will be the Waste Management Coordinator** for the project and as such is responsible for ensuring the instruction of workers, implementation and overseeing of the construction waste management plan (CWMP). The project superintendent will monitor the effectiveness and accuracy as the project progresses. Waste will be logged by the project superintendent via daily written waste disposal logs.

- 7. Reporting/Record Keeping:** All waste shipped offsite will be accompanied by either a waste disposal manifest, bill of lading (BOL) and/or transport disposal slip for each load or container of debris shipped. The ticket/manifest/BOL will indicate the name and location of the project, describe the waste type and include an estimated quantity of waste in cubic yards/tons. All waste recycled onsite, such as stone rubble, asphalt, brick and concrete will be tracked via in place volume calculations (length x width x height/thickness) and converted to cubic yards, the cubic yard value will be converted to estimated tons by a conversion factor of 1.5 (estimated that solid masonry, and stone rubble is 1.5 tons per cubic yard after crushing) to determine tons of material recycled onsite.

All certified weight tickets, manifests, and bills of lading will be compiled, copies made, and the information prepared on a Summary Table that will show the quantities of waste generated by the demolition and turned over to the owner/designer as part of the project close-out documents.

Waste Reduction Reports will be prepared and accompany each progress payment request. The waste reduction reports will contain a description of waste disposed of within each pay period and show the total amount of waste diverted from a landfill and recycled/reused within each pay period.

- 8. Distribution:** The project superintendent shall maintain a copy of the CWMP onsite and will distribute additional copies when required to all subcontractors and vendors that perform work onsite.
- 10. Instruction & Training:** The project superintendent will provide workers and subcontractors with an onsite briefing prior to work commencing, to ensure that there is appropriate separation, handling, recycling, reuse, and return methods will be employed by all parties and at appropriate stages of the project where applicable. Toolbox talks will be carried out regularly on waste issues and all subcontractors will be expected to attend. This will ensure that everyone feels they are included and their participation is meaningful.
- 11. Waste Management On-site:** Surplus or waste materials arise from either the materials imported to the site or from those generated onsite. Imported materials are those, which are brought to the site for inclusion into the permanent work. Generated materials are those, which exist on the project such as topsoil, subsoil, trees, brush, or materials resulting from demolition work such as wood, sheetrock, rugs, brick, paper, glass, metal, concrete, asphalt, roofing debris and rubber or plastic. There are many considerations to waste management such as waste reduction, segregation of waste, disposal of waste, financial impacts of waste disposal and recording, monitoring and education. This plan outlines the procedures that have been put in place to demonstrate how they benefit the environment, how we can measure the effects and how the procedures and practices are sustainable.
- 12. Ways of Minimizing Waste:** From its inception, the project team has looked at ways to minimize the generation of waste during the progress of this project. The project team has identified the following actions that may contribute to the waste stream and made the following task specific recommendations to ensure compliance with the construction waste management plan:

Action	Responsibility	Recommendation
Clearing & Grubbing	General Contractor, subcontractors	Pre-mark area to avoid clearing more than what is required. Keep green waste separate from stumps, and misc. trash. Send wood waste to a chipping plant or alternative fuel source rather than landfill or burying.
Site Demolition	General Contractor,	Keep waste materials segregated to maximize the recycling/reuse of the material (i.e. keep asphalt separate from concrete, wood, trees brush. Keep concrete waste from becoming commingled with wood, brush and asphalt. Keep wood waste separate from concrete, asphalt or masonry debris)
Building & Foundation Demolition	General Contractor,	Perform segregation of C&D materials during every phase of demolition, keep metals, brick, concrete, wood, plastic, glass and insulation separate from each other and place in piles of like material to reduce the quantity of waste that must be disposed of in a landfill. Keep recyclable material such as concrete, brick, asphalt, metal, steel, glass and wood separate to maximize recycling/reuse options. Remove embedded steel from concrete and recycle steel & concrete separately. When required strip buildings of rugs, ceiling tiles, sheetrock, and wood before demolition (if demolishing masonry structures). Utilize an onsite concrete crusher for brick, asphalt and masonry debris whenever practical.
Pouring concrete	General contractor, subcontractors	Order only what you need to use, prepare forms ahead of time and pour as much as you can finish in one day to cut down on washout quantity, prepare washout area into the concrete C&D pile for future recycling efforts
Building temporary barriers and or concrete forms	General contractor, subcontractors	Order wood and construction materials in limited quantities to reduce waste, use larger cutoff pieces of plywood, lumber & wall-board to fit smaller area's to reduce waste.

All of the above act to reduce the amount of waste and surplus materials, which traditionally would be skipped and sent to a landfill. We are continually identifying waste minimization actions and implementing new methods of waste reduction to increase the overall quantity of reuse/recycled components of projects such as this.

- 13. Segregation:** The primary task of controlling the waste stream, segregation will be performed as an ongoing task throughout the project to keep the varying waste streams separated and acceptable for recycling. Segregation will occur by use of the grapple attachment on the hydraulic excavator and supplemented with hand labor where applicable. Material will be stockpiled in quantities sufficient to make bulk loading and disposal of same economical. Waste streams identified currently are:

- Wood
- Metal (non-ferrous)
- Metal (ferrous)
- Concrete, brick, asphalt
- Brush, stumps, yard waste
- Sheetrock, rugs, ceiling tile, plastic, rubber & insulation

When quantities are small dumpsters will be utilized to contain the generated materials, when quantities are large (like during building demolition) material will be segregated and piled onsite and bulk loaded into open top trailer trucks for economical transport to the various recycling and or disposal facilities.

- 14. Waste Management:** Waste will fall into three categories for management:

- Re-Use
- Recycle
- Landfill

**Re-Use:**

If surplus materials can be reused in the permanent works or sold as used building materials they are classified as materials, which have been *re-used*. If they are surplus to requirements and need to be removed from the site and they can be removed and used in their present form, they can be removed from the site for *reuse*.

**Recycling:**

If the surplus material cannot be re-used in its present form but could be used in a different form, it is sent for *recycling* such as clean wood for chipping or steel for meltdown.

**Landfill:**

If either of the above cannot be satisfied then the only option left is to send the surplus material to *landfill*. Landfill is always the last option and only used when re-use or recycling is not possible or when economically unfeasible.

**Table for Waste Types and Waste Management Disciplines:**

<b>Waste Types:</b>		
Concrete, CMU, Asphalt	Recycle	Crush onsite or offsite use as fill or cover
Brick, Granite	Re-Use, Recycle	Used brick, stone or recycle onsite or offsite as fill or cover
Wood timbers	Re-use, Recycle	Used building material, wood chip or alternative fuel source
Wood flooring, framing lumber	Re-Use, Recycle	Used building material, wood chip or alternative fuel source
Metals, re-bar, steel, iron, copper, aluminum, lead	Recycle	Scrap yard
Brush, stumps, yard waste	Recycle	Wood chip or alternative fuel source
Asbestos, rugs, carpet, acoustical ceiling tile, plastic, rubber, insulation	Landfill	Approved Landfill Disposal

Waste material stockpiles/dumpsters will be monitored to ensure that contamination of segregated materials does not occur. Therefore we will advise regularly on how the waste management system is working and point out that an uncontaminated dumpster of material costs far less than one that has become cross contaminated with differing asset streams and will significantly increase the projects direct costs.

The project team will continually review the type of surplus materials being produced and where we can change the site set up to maximize on-site re-use or recycling options. The use of the Landfill will be the last resort.

APPENDIX-A  
DISPOSAL FACILITY PERMITS



STATE OF MAINE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

ANGUS S. KING, JR.  
GOVERNOR

EDWARD O. SULLIVAN  
COMMISSIONER

MEMORANDUM

To: Solid Waste License Holders *PKC*  
From: Paula Clark, Director, DEP Division of Solid Waste  
Date: January 21, 1999  
Re: Annual Facility Reports and Report Fees

\*\*\*\*\*

As you know, the Department adopted new "Solid Waste Management Regulations" in 1998. One of the reasons for adopting the new rules was to make them consistent with recent changes in state law. This includes the provision in state law that requires solid waste facilities to file annual reports with the Department and to pay an annual reporting fee beginning five years after licensing under the 1989 solid waste rules. This requirement replaces the need to renew your solid waste license every five years.

The 1998 "Solid Waste Management Regulations" set due dates for annual reports and annual reporting fees based upon the type of facility. These dates and the number of copies of the report to submit are:

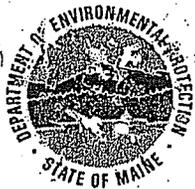
- February 28
  - Chapter 418, Beneficial use licenses -on-going activities only (1 copy)
  - Chapter 409, Processing facility licenses (compost facilities - 2 copies; all others - 1 copy)
  - Chapter 567, Agronomic utilization of residuals (2 copies)
- April 30
  - Chapter 401, Landfill facility licenses (3 copies)
  - Chapter 403, Incineration facility licenses (1 copy)
- October 31
  - Chapter 402, Transfer station facility and storage facility licenses (1 copy)

Please check your waste facility license(s) to ascertain when you are due to begin paying annual reporting fees. To figure the year that your reporting fee begins coming due, add five years to the license effective date (i.e., the date your order was signed by the Commissioner or Chair of the Board of Environmental Protection) and pay the reporting fee with your next subsequent report. The amount due is reflected on the attached fee schedule.

If you have not in the past submitted an annual report, you are required to begin submitting annual reports this year, even if annual report fees are not yet due for your facility. Please submit your annual reports, and the accompanying fee if applicable, to:

Becky Hodsdon  
DEP Solid Waste  
17 State House Station  
Augusta, Maine 04333

If you have questions on the information required in your annual report, please call your DEP project manager. If you have any questions on reporting fees, you may call Becky at 287-8112. Thank you.



STATE OF MAINE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
STATE HOUSE STATION 17      AUGUSTA, MAINE 04333

*upff*

DEPARTMENT ORDER

IN THE MATTER OF

KTI BIO FUELS, INC.	)	SOLID WASTE ORDER
LEWISTON, ANDROSCOGGIN COUNTY, MAINE	)	
PROCESSING FACILITY	)	
#S-013266-WK-E-R	)	
(APPROVAL WITH CONDITIONS)	)	LICENSE RENEWAL

Pursuant to the provisions of 38 M.R.S.A. Section 1301 et seq., and 06-096 CMR 400, and 409, of the Solid Waste Management Regulations (effective May 24, 1989), the Department of Environmental Protection has considered the renewal application of KTI BIO FUELS, INC. (herein after known as "the applicant"), with its supportive data, agency review comments, and other related materials on file and FINDS THE FOLLOWING FACTS:

1. APPLICATION SUMMARY

- A. Application: The applicant has applied to renew Department issued license #L-013266-05-A-N dated April 15, 1986 which approved the construction of the woodwaste processing facility.
- B. History: The KTI Bio Fuels facility is located within the Lewiston Industrial Park at 38 Alfred A. Plourde Parkway. The current facility was initially designed to process up to 100,000 tons (per year) of whole green trees into fuel quality woodchips for use as an alternative fuel in various bio mass boilers. In 1986, the owners of the facility (KTI Management of Maine, Inc., Fuel Technologies, Inc. and Maine Woodchips Associates) modified and expanded the facility to process wood demolition debris. Processing of waste materials required the facility to obtain a Solid Waste Processing Facility license and license # S-013266-05-A-N was issued to the facility on April 15, 1986.

On February 9, 1987, the ownership of the facility was transferred to FTI Limited Partnership and Fuel Technologies, Inc. under modification #S-013266-05-B-M.

License #S-013266-05-C-M, issued October 18, 1988 allowed a 30' by 30' expansion to the building to enclose the workers and processing machinery. This expansion also allowed for a disc type screen and drag type conveyor to facilitate material separation and transport at the facility.

KTI BIO FUELS, INC.	2	SOLID WASTE ORDER
LEWISTON, ANDROSCOGGIN COUNTY, MAINE	)	
PROCESSING FACILITY	)	
#S-013266-WK-E-R	)	
(APPROVAL WITH CONDITIONS)	)	LICENSE RENEWAL

On August 18, 1989, the Department granted approval under license #S-013266-WK-D-M to modify the above license to increase the structure size to 32' by 42'. No other modifications to the facility were proposed at that time.

In August of 1997, the facility name was changed to KTI Bio Fuels, Inc. under the same ownership and management. The Department determined in an advisory opinion, that the change of name did not constitute a change of ownership and therefore did not require transferal of the license under the requirements 38 M.R.S.A. 1310-Q.

C. Summary of Proposal: The original Solid Waste license for the facility to operate was issued prior to the effective date (May 24, 1989) of the 1989 Maine Solid Waste Management Rules, and therefore requires renewal of the license. This renewal application proposes to renew the original license to process solid wastes (wood construction/demolition debris, oversize and bulky waste, and treated and untreated wood) into alternative fuels for use in bio mass boilers.

Fines generated during this processing are utilized in various lined landfills as alternative daily cover, and are tested bi-annually (two times per year) under the requirements of 06-096 CMR 405 to determine the leachable lead component of the process fines, and determine if the material is hazardous under the requirements of 06-096 CMR 800 and 850.

Additionally, this renewal application proposes to expand the environmental monitoring of the site to ensure that the facility is operating within compliance standards of issued licenses and statute, to generate an annual report for the facility, and to update the operations manual to reflect changes in the processing/storage of material at the site.

2. SITE DESCRIPTION

This solid waste processing facility is located at 38 Alfred A. Plourde Parkway on a 10.4 acres parcel of the Lewiston Industrial Park. The property is owned by the City of Lewiston and leased to the applicant. Documentation of this lease has been supplied as part of this application. The property owner (the City of Lewiston) has required a closure bond in the amount of \$80,000 to ensure the property is remediated when the facility is no longer in operation. Documentation of this closure bond has been supplied to the Department as part of the renewal application.

KTI BIO FUELS, INC.	3	SOLID WASTE ORDER
LEWISTON, ANDROSCOGGIN COUNTY, MAINE	)	
PROCESSING FACILITY	)	
#S-013266-WK-E-R	)	
(APPROVAL WITH CONDITIONS)	)	LICENSE RENEWAL

This parcel of land and surrounding parcels are locally zoned by the City of Lewiston for Industrial Use.

3. FACILITY DESCRIPTION

During normal working hours of 6 AM to 6 PM six days per week, the facility accepts for processing the following materials:

- (a) oversized and bulky wastes (OBW) including furniture and mattresses
- (b) treated wood including telephone and utility poles, railroad ties and pilings
- (c) untreated wood including pallets, brush, crates, and wire spools
- (d) wood waste construction and demolition debris, both painted and unpainted

Small amounts of material not suitable for processing at the facility including ferrous and non-ferrous metals, sheetrock, and plastics are removed from the chipped materials and are bypassed for recycling or disposed of at other facilities.

The facility is designed to process up to 40 tons of accepted material per hour through a horizontal hammer mill (woodhog chipper) located within the 50' x 140' chipper building. Metals are removed at this point from the process stream after chipping by means of a magnetic belt separator and stored in roll-off containers for shipment off site to metal recyclers. Processed material is transferred by means of a horizontal belt conveyor to the 60' x 200' chip storage building by means of a conveyor. During this conveyance, fines generated from the feedstock processing are removed from the fuel chip stream by screening the chips. These fines are removed from the fuel storage area and are stored in a separate fine storage area. Fuel chips are removed from the fuel chip storage building into covered transfer trailers for shipment to fuel customers. The fines are removed from the site as necessary by means of covered transport trailers to Department approved landfills and utilized as alternative daily cover materials.

4. MATERIAL STORAGE

Raw material accepted and used as feedstock for the chipping operations consists of oversized and bulky wastes (OBW) railroad ties, utility/telephone poles, pilings, timbers, pallets, grate construction and demolition wood, and waste wood materials. These accepted materials are stored in nine distinct piles, each with a maximum size of 100' x 50' and a maximum height of 20 feet. Piles are separated from other combustibles by a 40 foot mineral firebreak/internal road designed to facilitate emergency vehicle access.

KTI BIO FUELS, INC.	4	SOLID WASTE ORDER
LEWISTON, ANDROSCOGGIN COUNTY, MAINE	)	
PROCESSING FACILITY	)	
#S-013266-WK-E-R	)	
(APPROVAL WITH CONDITIONS)	)	LICENSE RENEWAL

Piles are processed on a first in first out basis with each pile processed within 12 months of arrival at the facility.

All internal roadways, chip storage areas, truck maneuvering area, and the processing apron are kept free of ice and snow in a timely manner.

5. ENVIRONMENTAL MONITORING PLAN

As part of the renewal application the applicant has submitted an environmental monitoring plan to ensure compliance with issued permits for the facility. This environmental monitoring plan includes surface water monitoring both on and off site and a continuing characterization of fines as generated during the processing of the woodwaste.

Surface Water Monitoring Plan

Surface waters adjacent to the facility are proposed to be monitored to determine if materials processed at the facility are adversely affecting these surface waters. This monitoring plan will monitor the unnamed stream both upstream and downstream from the KTI Bio Fuels retention pond discharge. This sampling and analysis of surface waters will be performed quarterly for a minimum of one year with analysis for lead, chromium, arsenic, pH, total suspended solids and specific conductance. This testing will utilize traditional Chain-of-Custody paperwork and procedures, as described in 06-096 CMR 405 and 40 CFR 241 SW-846.

This testing in terms of duration, frequency, and parameters, may be modified with written Department approval.

Characterization of Process Fines

The applicant has provided for continual bi-annual (two times per year) characterization plan of process fines to determine the soluble lead content within these process fines. This characterization of fines is evaluated as both on-going characterization and as a historic statistical evaluation of the material.

6. OPERATIONS MANUAL

The applicant has submitted an Operations Manual for the Lewiston facility detailing the working operations of the facility, site improvements, administration of the facility,

KTI BIO FUELS, INC.	5	SOLID WASTE ORDER
LEWISTON, ANDROSCOGGIN COUNTY, MAINE	)	
PROCESSING FACILITY	)	
#S-013266-WK-E-R	)	
(APPROVAL WITH CONDITIONS)	)	LICENSE RENEWAL

facility record keeping, signage, communication, safety issues and training, site access, feedstock/delivery and inspection, production process, fuel delivery, storage requirements of non-combustibles, odor/vector control, material control and winter and wet weather operations. Also addressed within the operations manual are fencing, screening, dust control measures, fire protection, hot loads, erosion control, and surface water controls. Training of employees at the facility is reviewed annually by the General Manager of the facility to ensure employees are trained in hazardous communications, hazardous / special waste identification, hazardous waste exclusion, and equipment operations (including lock out - tag out procedures).

7. ANNUAL REPORT

The applicant will submit to the Department by February 28 of each year an annual report of the previous years operation of the facility. This report will document the following operational and environmental issues:

A.. Material (by weight)

- (1) Received at the facility on a monthly basis.
- (2) Removed from the facility on a monthly basis.
- (3) Fuel Chips
- (4) Fines
- (5) By-passed materials
- (6) Other materials, both processed and unprocessed, for recycling or disposal

B. Operations including operational problems, injuries, fires, complaints, and corrective measures taken.

C. Environmental monitoring at the facility

- (1) Surface waters
- (2) Fines Characterization
- (3) Sampling period characterization
- (4) Continual historical characterization
- (5) Other monitoring/testing performed

Upon request, all such records (including raw data) shall be made available to the Department for review.

KTI BIO FUELS, INC.	6	SOLID WASTE ORDER
LEWISTON, ANDROSCOGGIN COUNTY, MAINE	)	
PROCESSING FACILITY	)	
#S-013266-WK-E-R	)	
(APPROVAL WITH CONDITIONS)	)	LICENSE RENEWAL

BASED on the above Findings of Fact, and subject to the Conditions listed above, the Department makes the following CONCLUSIONS:

The processing of construction and demolition debris, oversize and bulky waste, treated and untreated wood into fuel chips for use as alternative fuel in bio mass boilers, as proposed by KTI Bio Fuels will not pollute any water of the State, contaminate the ambient air, constitute a hazard to health or welfare or create a nuisance. Provided that:

1. The storage of feedstock materials will consist of no more than 9 piles (100' long x 50' wide x 20' high).
2. The facility will maintain 40' mineral strips around all piles to all combustibles. These access lanes will be kept passable for emergency vehicles.
3. All stored feedstock materials will be processed within 12 months.
4. Materials not suitable for processing and process fines will be removed from the facility in timely manner.

THEREFORE, the Department APPROVES the above noted application of KTI BIO FUELS to operate a Solid Waste Processing Facility in Lewiston, Maine, SUBJECT TO THE FOLLOWING CONDITIONS, and all applicable standards and regulations:

1. The standard Conditions of Approval, a copy attached as Appendix A.
2. The acceptance, processing, storage, and removal of materials from the facility will not create a fire hazard.

KTY BIO FUELS, INC.  
LEWISTON, ANDROSCOGGIN COUNTY, MAINE  
PROCESSING FACILITY  
#S-013266-WK-E-R  
(APPROVAL WITH CONDITIONS)

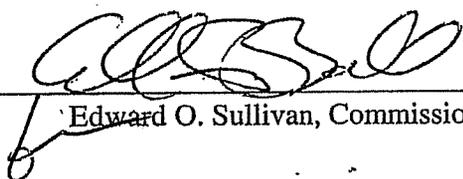
7 SOLID WASTE ORDER  
)  
)  
)  
) LICENSE RENEWAL

3. A facility annual report will be submitted to the Department for approval by February 28 of each year documenting operations at the facility for the previous year.

DONE AND DATED AT AUGUSTA, MAINE THIS Twenty Ninth DAY  
OF August, 1998.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: \_\_\_\_\_

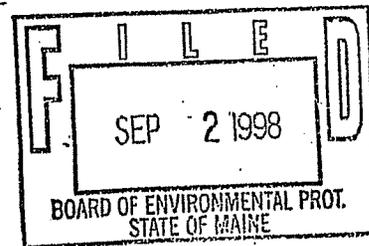
  
Edward O. Sullivan, Commissioner

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURE.

Date of initial receipt of application: December 21, 1992

Date of application acceptance: December 23, 1992

Date filed with the Board of Environmental Protection



This order was prepared by Randy McMullin, Bureau of Remediation and Waste Management

XRM14156/llg

2005

Commonwealth of Massachusetts

City of Everett



General License

This is to Certify, that a License is hereby granted to

PROLERIDE TRANSPORT SYSTEMS INC. AND HUGO NEU STEEL PRODUCTS INC. OF  
NEW YORK D/B/A PROLERIZED NEW ENGLAND COMPANY

ROVER STREET P. O. BOX 48, EVERETT, MASSACHUSETTS

TO USE THE LAND ON ROBER STREET: FOR THE PURCHASE OF SECOND HAND STEEL AND LIKE  
METALS TO BE USED AS RAW MATERIAL IN THE MANUFACTURE OF A PRODUCT KNOWN AS  
PROLERIZED STEEL. ALSO TO PURCHASE AND SHIP SCRAP STEEL AND OTHER METALS.  
GRANTED IN ACCORDANCE WITH CHAPTER 10, SEC. 1 OF THE REVISED AND CONSOLIDATED  
ORDINANCES OF 1957.

This license is granted in conformity with the Statutes and Ordinances relating thereto, and expires MAY 1 unless sooner suspended or revoked.

BOARD OF ALDERMEN

By: \_\_\_\_\_

JUN 06 2010

19

*John F. Hanlon*  
\_\_\_\_\_  
City Clerk

**WESTON & SAMPSON ENGINEERS, INC.**

100 International Drive, Suite 152  
Portsmouth, NH 03801  
(603) 431-3937

**SHOP DRAWING REVIEW MEMORANDUM**

---

**TO:** S&R Corporation  
**FROM:** Weston & Sampson Engineers, Inc.  
**DATE:** December 13, 2010  
**PROJECT:** 2100577 Sanford, ME – Aerofab Mill Demolition  
**SUBJECT:** Transmittal No. 243-004 (Schedule  
**COPIES TO:** NH Files, Project File 2100577 – 170, Sanford, ME

---

The following comments apply to shop drawing transmittal No. 243-004, Schedule, and shall be considered part of that submittal.

The comments contained in this Shop Drawing Review Memorandum are intended for use as a guide towards submittal of an approvable shop drawing transmittal and are not intended to be used as a complete checklist of revisions or to supersede the Contract Documents.

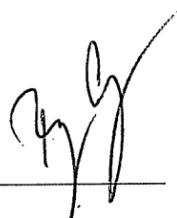
The resubmittal of the subject transmittal listed above, if applicable, shall explicitly address the following in addition to any other deviations from the Contract Documents not addressed in this form.

**Item No.:** 1 – Schedule  
**Review Code:** 1 – No Exceptions Taken

P:\SANFORD ME\2100577 AEROFAB DEMO\170-SHOP DWGS\004 - SCHEDULE.DOC

Reviewed By: \_\_\_\_\_

RIC



Date: 12/13/10

**Instructions for Preparing Transmittal**

No action will be taken on any item unless accompanied by this form. Type or print all entries.

TRANSMITTAL NOS. to be consecutive (1, 2, 3, etc.).

Each resubmittal of same item shall use same number with suffix letter (A, B, etc.).

SPEC. SECT. NO: Only one spec. section no. to each transmittal.

DESCRIPTION: Complete identification of document or group of documents.

SOURCE: Originator of document(s) being submitted.

DRAWING NO: Identification of document(s).

NO. of COPIES: Usually 6 or as directed/specified.

CONTRACT DRAWING REFERENCE: Contract drawing number(s) showing details of document(s) being submitted.

SPECIAL INSTRUCTIONS: Special cases and emergencies, changes in distribution and special handling requests, etc. should be entered here.

SIGNATURE OF CONTRACTOR: Signature of individual who reviews and approves material prior to submittal to engineer.

Contractor to retain last copy. Submit original with two pink and two yellow copies.

TRANSM. NO. 243-004		SPEC. SECT. NO.		DATE 12 / 3 / 10		CONTRACTOR'S JOB NO. 243		W&S JOB NO.	
PROJECT NAME & CONTRACT NO. AEROFAB MILL DEMOLITION 09001056				LOCATION 3 AEROFAB DRIVE - SAFFORD ME					
Attention: CSD Weston & Sampson Engineers, Inc. 5 Centennial Drive Peabody, MA 01960-7985				(CONTRACTOR) SFR CORPORATION 706 BROADWAY ST LOWELL MA 01854					
ITEM NO.	DESCRIPTION	SOURCE	DRAWING NO. CATALOG NO. BROCHURE, ETC.	NO. OF COPIES	CONTRACT DRAWING REF.	ACTION CODE	BY W&S REVIEWED BY		
①	SCHEDULE	S & R CORP		6		1	RIC		
②									
③									
④									

THIS SECTION TO BE COMPLETED BY CONTRACTOR

THIS CERTIFIES THAT ALL ITEMS SUBMITTED HEREWITH HAVE BEEN CHECKED BY THE CONTRACTOR, ARE IN CONFORMANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, EXCEPT AS NOTED, AND ARE APPROVED BY THE CONTRACTOR FOR THIS PROJECT.

SPECIAL INSTRUCTIONS:

(FOR CONTRACTOR) SIGNATURE & TITLE: *Pet Swelley* SUPERINTENDENT

THIS SECTION TO BE COMPLETED BY W&S

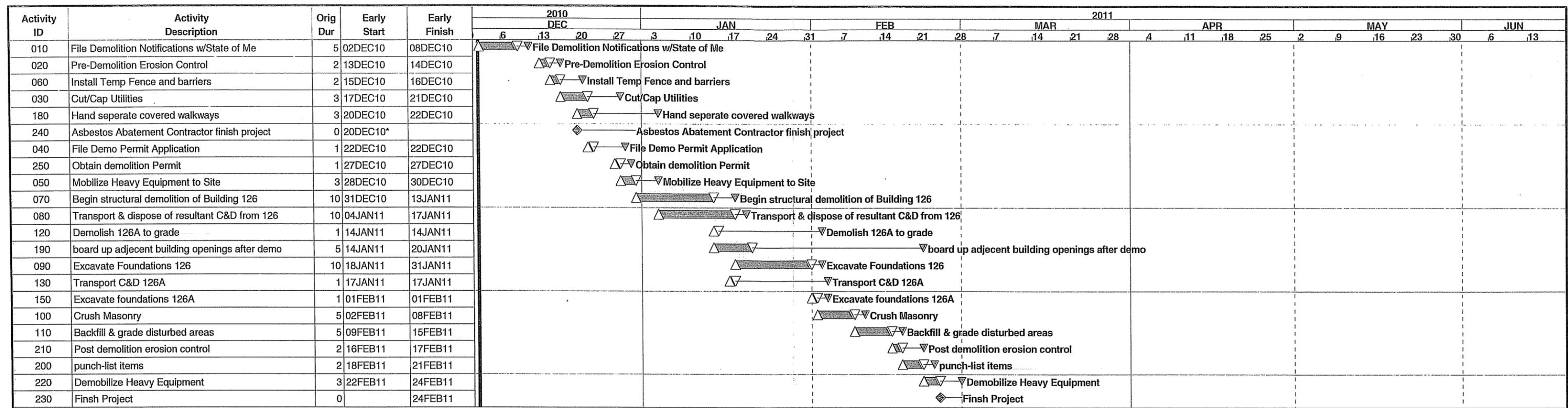
FIELD OFFICE RECD BY: *MSR* DATE: 12 / 3 / 10

BY: *Michael Ball* DATE: 12 / 14 / 10

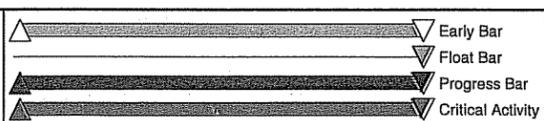
**ACTION CODE**

- NO EXCEPTIONS TAKEN
  - MAKE CORRECTIONS NOTED
  - AMEND AND RESUBMIT
  - REJECTED - SEE REMARKS
  - ACKNOWLEDGMENT
- INSTALLATION SHALL PROCEED ONLY WHEN ACTION CODE IS 1 or 2.
  - ACTION CODED 3 SHALL BE RESUBMITTED WITHIN TIME LIMIT SET IN CONTRACT.
  - REVIEW DOES NOT RELIEVE CONTRACTOR FROM RESPONSIBILITY OF COMPLIANCE WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.

**Please! BEAR DOWN WHEN HANDWRITING -- THIS IS A 6 COPY FORM & THE LAST COPY IS YOURS!**



Start Date	02DEC10
Finish Date	24FEB11
Data Date	02DEC10
Run Date	02DEC10 12:01



243S  
 Credere Associates, LLC  
 Sanford, ME - Aerofab Facility Demo  
 Classic Schedule Layout

Date		Revision		Checked	Approved
02DEC10	Baseline Submittal				

**WESTON & SAMPSON ENGINEERS, INC.**  
100 International Drive, Suite 152  
Portsmouth, NH 03801  
(603) 431-3937

## SHOP DRAWING REVIEW MEMORANDUM

---

**TO:** S&R Corporation  
**FROM:** Weston & Sampson Engineers, Inc.  
**DATE:** December 13, 2010  
**PROJECT:** 2100577 Sanford, ME – Aerofab Mill Demolition

**SUBJECT:** Transmittal No. 243-005 (Schedule  
**COPIES TO:** NH Files, Project File 2100577 – 170, Sanford, ME

---

The following comments apply to shop drawing transmittal No. 243-005, Schedule of Values, and shall be considered part of that submittal.

The comments contained in this Shop Drawing Review Memorandum are intended for use as a guide towards submittal of an approvable shop drawing transmittal and are not intended to be used as a complete checklist of revisions or to supersede the Contract Documents.

The resubmittal of the subject transmittal listed above, if applicable, shall explicitly address the following in addition to any other deviations from the Contract Documents not addressed in this form.

**Item No.:** 1 – Schedule of Values  
**Review Code:** 1 – No Exceptions Taken

P:\SANFORD ME\2100577 AEROFAB DEMO\170-SHOP DWGS\005 - SCHEDULE OF VALUES.DOC

Reviewed By: \_\_\_\_\_ RIC  \_\_\_\_\_

Date: \_\_\_\_\_ 12/13/10 \_\_\_\_\_

# Shop Drawing Transmittal

**Weston & Sampson**  
ENGINEERS, INC.

## Instructions for Preparing Transmittal

No action will be taken on any item unless accompanied by this form. Type or print all entries.

TRANSMITTAL NOS. to be consecutive (1, 2, 3, etc.).

Each resubmittal of same item shall use same number with suffix letter (A, B, etc.).

SPEC. SECT. NO: Only one spec. section no. to each transmittal.

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NO. OF COPIES: Usually 6 or as directed/specified.

CONTRACT DRAWING REFERENCE: Contract drawing number(s) showing details of document(s) being submitted.

SPECIAL INSTRUCTIONS: Special cases and emergencies, changes in distribution and special handling requests, etc. should be entered here.

SIGNATURE OF CONTRACTOR: Signature of individual who reviews and approves material prior to submittal to engineer.

Contractor to retain last copy. Submit original with two pink and two yellow copies.

THIS SECTION TO BE COMPLETED BY CONTRACTOR				W&S JOB NO.			
TRANSM. NO.	SPEC. SECT. NO.	DATE	CONTRACTOR'S JOB NO.				
243-005		12 / 3 / 10	243				
PROJECT NAME & CONTRACT NO.			LOCATION				
AEROFAB MILL DEMOLITION 09001056			3 AEROFAB DRIVE - SAFFORD ME				
Attention: CSD Weston & Sampson Engineers, Inc. 5 Centennial Drive Peabody, MA 01960-7985			(CONTRACTOR) S&R CORPORATION 706 BROADWAY ST LOWELL MA 01854				
ITEM NO.	DESCRIPTION	SOURCE	DRAWING NO. CATALOG NO. BROCHURE, ETC.	NO. OF COPIES	CONTRACT DRAWING REF.	BY W&S ACTION CODE	REVIEWED BY
1	Schedule of Values	S&R Corp		6		1	RIC
2							
3							
4							

THIS CERTIFIES THAT ALL ITEMS SUBMITTED HERewith HAVE BEEN CHECKED BY THE CONTRACTOR, ARE IN CONFORMANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, EXCEPT AS NOTED, AND ARE APPROVED BY THE CONTRACTOR FOR THIS PROJECT.

SPECIAL INSTRUCTIONS:

(FOR CONTRACTOR)  
SIGNATURE & TITLE: *Pat Smalley*  
SUPERINTENDING

THIS SECTION TO BE COMPLETED BY W&S

THIS SECTION TO BE COMPLETED BY W&S	
ACTION CODE	FIELD OFFICE
1. NO EXCEPTIONS TAKEN	RECD BY: <i>MEC</i>
2. MAKE CORRECTIONS NOTED	DATE: 12 / 3 / 10
3. AMEND AND RESUBMIT	
4. REJECTED - SEE REMARKS	
5. ACKNOWLEDGMENT	

Weston & Sampson  
ENGINEERS, INC.  
*Michael K...* BY: DATE: 12/14/10

**Please! BEAR DOWN WHEN HANDWRITING — THIS IS A 6 COPY FORM & THE LAST COPY IS YOURS!**

# APPLICATION AND CERTIFICATION FOR PAYMENT

AIA DOCUMENT G702 (modified)

PAGE ONE OF

2

PAGES

**ENGINEER:**

Credere Associates, LLC  
776 Main Street  
Westbrook, ME 04092

**PROJECT:**

Aerofab Building Demolition  
#3 Aerofab Drive  
Sanford, ME 04073

**FROM CONTRACTOR:**

S&R CORPORATION  
706 BROADWAY STREET  
LOWELL, MASSACHUSETTS 01854

**VIA DESIGNER:**

Weston & Sampson  
100 International Drive  
Portsmouth, NH 03801

**CONTRACT FOR:** DEMOLITION

**APPLICATION NO:** SOV

**Distribution to:**

<input checked="" type="checkbox"/>	ENGINEER
<input type="checkbox"/>	ARCHITECT
<input checked="" type="checkbox"/>	CONTRACTOR
<input type="checkbox"/>	OWNER

**PERIOD TO:** SOV

**PROJECT NUMBER:**

**CONTRACT DATE:** 11/15/2010

## CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract. Continuation Sheet, AIA Document G703 (modified), is attached.

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

1. ORIGINAL CONTRACT SUM \$ 198,000.00
2. Net change by Change Orders \$ 0.00
3. CONTRACT SUM TO DATE (Line 1 ± 2) \$ 198,000.00
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703) \$ 0.00

5. RETAINAGE:
  - a. 0% of Completed Work \$ 0.00  
(Column D.1 + E.1 on G703)
  - b. \_\_\_\_\_ of Stored Material \$ \_\_\_\_\_  
(Column F on G703)

- Total Retainage (Lines 5a + 5b or Total 5.a. and 5.b.) \$ 0.00
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total) \$ 0.00
  7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate) \$ 0.00

**8. CURRENT PAYMENT DUE** \$ 198,000.00

9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6) \$ \_\_\_\_\_

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner		
Total approved this Month	\$0.00	\$0.00
<b>TOTALS</b>	\$0.00	\$0.00
<b>NET CHANGES by Change Order</b>	\$0.00	\$0.00

**CONTRACTOR:** S&R Corporation  
706 Broadway Street  
Lowell, MA 01854

**By:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**State of:** Massachusetts **County of:** Middlesex  
 Subscribed and sworn to before me this \_\_\_\_\_  
**Notary Public:** \_\_\_\_\_  
 My Commission expires: \_\_\_\_\_

## DESIGNER'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Designer certifies to the Owner that to the best of the Designer's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED ..... \$ \_\_\_\_\_

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)  
**DESIGNER:** \_\_\_\_\_ **Date:** \_\_\_\_\_

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

THE AMERICAN INSTITUTE OF ARCHITECTS, 1735 NEW YORK AVE., N.W., WASHINGTON, DC 20006-5292

AIA DOCUMENT G703 (modified)

**SCHEDULE OF VALUES**

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.  
 In tabulations below, amounts are stated to the nearest dollar.  
 Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO: SOV  
 APPLICATION DATE: SOV  
 PERIOD TO: SOV  
 S&R's PROJECT NO: 243

ITEM NO.	DESCRIPTION OF WORK	B.1 ESTIMATED QUANTITY	B.2 UNIT OF MEASURE	B.3 PRICE PER UNIT	C SCHEDULED VALUE	D QUANTITY FROM PREVIOUS APPLICATION	E.1 WORK COMPLETED QUANTITY THIS PERIOD	E.2 VALUE FROM PREVIOUS APPLICATION	E.3 VALUE THIS PERIOD	F MATERIALS PRESENTLY STORED (NOT IN D OR E)	G TOTAL COMPLETED AND STORED TO DATE (D+E+G)	H % (G+C)	H BALANCE TO FINISH (C-I)	I RETAINAGE (IF VARIABLE RATE)
<b>Item #1: Demolition &amp; Removal of Building 126A</b>														
1	Install Temporary Fence and Barriers	1.00	LS	\$10,000.00	\$10,000.00	0%	0%	\$0.00	\$0.00	0.00	\$0.00	0.00%	\$10,000.00	\$0.00
2	Mobilization of Heavy Equipment	1.00	LS	\$10,000.00	\$10,000.00	0%	0%	\$0.00	\$0.00	0.00	\$0.00	0.00%	\$10,000.00	\$0.00
3	Permits & Notifications	1.00	LS	\$1,500.00	\$1,500.00	0%	0%	\$0.00	\$0.00	0.00	\$0.00	0.00%	\$1,500.00	\$0.00
4	Supply & Install Erosion Control Measures	1.00	LS	\$6,000.00	\$6,000.00	0%	0%	\$0.00	\$0.00	0.00	\$0.00	0.00%	\$6,000.00	\$0.00
5	Utility Disconnections	1.00	LS	\$5,000.00	\$5,000.00	0%	0%	\$0.00	\$0.00	0.00	\$0.00	0.00%	\$5,000.00	\$0.00
6	Separation of Building from Construction for remain	1.00	LS	\$5,000.00	\$5,000.00	0%	0%	\$0.00	\$0.00	0.00	\$0.00	0.00%	\$5,000.00	\$0.00
7	Sealing of adjacent building openings with plywood & chianlink-lensa	1.00	LS	\$5,000.00	\$5,000.00	0%	0%	\$0.00	\$0.00	0.00	\$0.00	0.00%	\$5,000.00	\$0.00
8	Demolition of Building 126 (to grade)	1.00	LS	\$62,500.00	\$62,500.00	0%	0%	\$0.00	\$0.00	0.00	\$0.00	0.00%	\$62,500.00	\$0.00
9	Disposal of Construction & Demolition waste	1.00	LS	\$35,000.00	\$35,000.00	0%	0%	\$0.00	\$0.00	0.00	\$0.00	0.00%	\$35,000.00	\$0.00
10	Excavation of Foundations	1.00	LS	\$20,000.00	\$20,000.00	0%	0%	\$0.00	\$0.00	0.00	\$0.00	0.00%	\$20,000.00	\$0.00
11	Crushing of all masonry material onsite	1.00	LS	\$25,000.00	\$25,000.00	0%	0%	\$0.00	\$0.00	0.00	\$0.00	0.00%	\$25,000.00	\$0.00
12	Spread crushed material over disturbed areas	1.00	LS	\$5,000.00	\$5,000.00	0%	0%	\$0.00	\$0.00	0.00	\$0.00	0.00%	\$5,000.00	\$0.00
<b>Item #2: Demolition &amp; Removal of Building 126A</b>														
13	Demolition of Building 126A (to grade)	1.00	LS	\$3,500.00	\$3,500.00	0%	0%	\$0.00	\$0.00	0.00	\$0.00	0.00%	\$3,500.00	\$0.00
14	Disposal of Construction & Demolition waste	1.00	LS	\$3,200.00	\$3,200.00	0%	0%	\$0.00	\$0.00	0.00	\$0.00	0.00%	\$3,200.00	\$0.00
15	Excavation of Foundations	1.00	LS	\$1,000.00	\$1,000.00	0%	0%	\$0.00	\$0.00	0.00	\$0.00	0.00%	\$1,000.00	\$0.00

# SCHEDULE OF VALUES

AIA DOCUMENT G703 (modified)

PAGE 2 OF 2 PAGES

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing

APPLICATION NO: **SOV**

Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

PERIOD TO: **SOV**

S&R'S PROJECT NO: **243**

A ITEM NO.	B DESCRIPTION OF WORK	C ESTIMATED QUANTITY	D UNIT OF MEASURE	E PRICE PER UNIT	F SCHEDULED VALUE	G QUANTITY FROM PREVIOUS APPLICATION	H VALUE FROM PREVIOUS APPLICATION (D x E)	I QUANTITY THIS PERIOD	J VALUE THIS PERIOD	K MATERIALS PRESENTLY STORED (NOT IN D OR E)	L TOTAL COMPLETED AND STORED TO DATE (D+K)	M % (G+C)	N BALANCE TO FINISH (C-L)	O RETAINAGE (IF VARIABLE RATE)
16	Crushing of all masonry material onsite	1.00	LS	\$150.00	\$150.00	0%	\$0.00	0%	\$0.00	0.00	\$0.00	0.00%	\$150.00	\$0.00
17	Spread crushed material over disturbed areas	1.00	LS	\$150.00	\$150.00	0%	\$0.00	0%	\$0.00	0.00	\$0.00	0.00%	\$150.00	\$0.00
<b>Unit Prices</b>														
18	Abate, Remove & Dispose of Buried Asbestos Piping	1.00	LF	\$100.00	\$100.00	0%	\$0.00	0%	\$0.00	0.00	\$0.00	0.00%	\$100.00	\$0.00
19	Remove & Dispose Lead Impacted Demolition Debris (assumed 25 ton quantity)	1.00	Ton	\$425.00	\$425.00	0%	\$0.00	0%	\$0.00	0.00	\$0.00	0.00%	\$425.00	\$0.00
<b>TOTALS</b>														
				N/A	\$198,525.00		\$0.00		\$0.00	\$0.00	\$0.00	0.00%	\$198,525.00	\$0.00

Users may obtain validation of this document by requesting of the licensee a completed AIA Document D401 - Certification of Document's Authenticity

WESTON & SAMPSON ENGINEERS, INC.  
100 International Drive, Suite 152  
Portsmouth, NH 03801  
(603) 431-3937

## SHOP DRAWING REVIEW MEMORANDUM

---

**TO:** S&R Corporation  
**FROM:** Weston & Sampson Engineers, Inc.  
**DATE:** February 02, 2011  
**PROJECT:** 2100577 Sanford, ME – Aerofab Mill Demolition  
**SUBJECT:** Transmittal No. 243-006 (Chain Link Fence)  
Specification Section: 02820 – Chain Link Fence  
**COPIES TO:** NH Files, Project File 2100577 – 170, Sanford, ME

---

The following comments apply to shop drawing transmittal No. 243-006, Chain Link Fence Specs, and shall be considered part of that submittal.

The comments contained in this Shop Drawing Review Memorandum are intended for use as a guide towards submittal of an approvable shop drawing transmittal and are not intended to be used as a complete checklist of revisions or to supersede the Contract Documents.

The resubmittal of the subject transmittal listed above, if applicable, shall explicitly address the following in addition to any other deviations from the Contract Documents not addressed in this form.

**Item No.:** 1 – Chain Link Fence Submittal

**Review Code:** 1 – No Exceptions Taken

**Comments:**

Weston & Sampson, Credere, and the Town have approved the change to fencing layout which includes the deletion of the fencing in front of the covered walkway entrances and the addition of the two (2) 12' swing gates installed along the barrier fence. The gate shall be secured with padlock and chain.

P:\SANFORD ME\2100577 AEROFAB DEMO\170-SHOP DWGS\006 - PERMANENT FENCING.DOC

Reviewed By: Michael Roether *MR* Date: 2/02/11

# Shop Drawing Transmittal

**Weston & Sampson**  
ENGINEERS, INC.

## Instructions for Preparing Transmittal

No action will be taken on any item unless accompanied by this form. Type or print all entries.

TRANSMITTAL NOS. to be consecutive (1, 2, 3, etc.). Each resubmittal of same item shall use same number with suffix letter (A, B, etc.).

SPEC. SECT. NO: Only one spec. section no. to each transmittal.

DESCRIPTION: Complete identification of document or group of documents.

SOURCE: Originator of document(s) being submitted.

DRAWING NO: Identification of document(s).

NO. OF COPIES: Usually 6 or as directed/specified.

CONTRACT DRAWING REFERENCE: Contract drawing number(s) showing details of document(s) being submitted.

SPECIAL INSTRUCTIONS: Special cases and emergencies, changes in distribution and special handling requests, etc. should be entered here.

SIGNATURE OF CONTRACTOR: Signature of individual who reviews and approves material prior to submittal to engineer.

Contractor to retain last copy. Submit original with two pink and two yellow copies.

THIS SECTION TO BE COMPLETED BY CONTRACTOR				W&S JOB NO.			
TRANS. NO.	SPEC. SECT. NO.	DATE	LOCATION	CONTRACTOR'S JOB NO.	W&S JOB NO.		
243-006	02830	1/12/11	3 Aeratab Drive, Sanford, ME	243			
PROJECT NAME & CONTRACT NO.							
Aeratab Mill Demolition 09001056							
Attention: CSD Weston & Sampson Engineers, Inc. 5 Centennial Drive Peabody, MA 01960-7985							
ITEM NO.	DESCRIPTION	SOURCE	DRAWING NO. CATALOG NO. BROCHURE, ETC.	NO. OF COPIES	CONTRACT DRAWING REF.	BY W&S ACTION CODE	REVIEWED BY
1	chain Link Fence submittals	SPR corp		6			
2							
3							
4							

THIS CERTIFIES THAT ALL ITEMS SUBMITTED HEREWITH HAVE BEEN CHECKED BY THE CONTRACTOR, ARE IN CONFORMANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, EXCEPT AS NOTED, AND ARE APPROVED BY THE CONTRACTOR FOR THIS PROJECT.

## SPECIAL INSTRUCTIONS:

- NO EXCEPTIONS TAKEN
  - MAKE CORRECTIONS NOTED
  - AMEND AND RESUBMIT
  - REJECTED - SEE REMARKS
  - ACKNOWLEDGMENT
- a. INSTALLATION SHALL PROCEED ONLY WHEN ACTION CODE IS 1 or 2.  
b. ACTION CODED 3 SHALL BE RESUBMITTED WITHIN TIME LIMIT SET IN CONTRACT.  
c. REVIEW DOES NOT RELIEVE CONTRACTOR FROM RESPONSIBILITY OF COMPLIANCE WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.

THIS SECTION TO BE COMPLETED BY W&S

(FOR CONTRACTOR)  
SIGNATURE & TITLE:  
*[Signature]*

FIELD OFFICE

REC'D BY

DATE

**Weston & Sampson**  
ENGINEERS, INC.

*[Signature]*  
BY  
DATE 2/03/11

**Please! BEAR DOWN WHEN HANDWRITING -- THIS IS A 6 COPY FORM & THE LAST COPY IS YOURS!**

# LETTER OF TRANSMITTAL

**243-006**

**S&R Corporation  
706 Broadway Street  
Lowell, MA 01854**

**TEL: (978) 441-2000  
FAX: (978) 441-2002**

TO: Weston & Sampson Engineers DATE: 1/26/2011  
100 International Drive Suite 152 PROJECT: Aerofab Building Demolition  
Portsmouth, NH 03801 3 Aerofab Drive  
Sanford, ME 04073

ITEMS TRANSMITTED:

Shop Drawings	<input type="checkbox"/>	Specifications	<input checked="" type="checkbox"/>
Change Order Proposal	<input type="checkbox"/>	Plans	<input type="checkbox"/>
Submittal	<input checked="" type="checkbox"/>	Other	_____

COPIES	DATE	NO.	DESCRIPTION
1	1/26/2011	6	Chain Link Fence Spec's

THESE ARE TRANSMITTED as checked below:

For approval	<input checked="" type="checkbox"/>	Approved as Submitted	<input type="checkbox"/>	<input type="checkbox"/> Return	_____ copies for approval
For your use	<input type="checkbox"/>	Approved as Noted	<input type="checkbox"/>	<input type="checkbox"/> Submit	_____ copies for distribution
As requested	<input checked="" type="checkbox"/>	Revise and Resubmit	<input type="checkbox"/>	<input type="checkbox"/> Return	_____ corrected prints
For review and comment	<input type="checkbox"/>	Other	<input type="checkbox"/>		

**FOR BIDS DUE:** \_\_\_\_\_

REMARKS:  
Mike,  
Chain Link Fence Spec's for approval

COPIES TO:  
File \_\_\_\_\_

SIGNED: Thomas J. Guerette  
Thomas J. Guerette

**S & R Corporation**

**SUBMITTAL**

**PROJECT:** Aerofab Mill Facility Demolition  
Sanford, ME 04073

**SUBMITTED TO:** Weston & Sampson  
100 International Drive  
Portsmouth, NH 03801

**SUBMITTED BY:** S&R Corporation  
706 Broadway Street  
Lowell, MA 01854

**SUBMITTAL TITLE:** Chain Link Fence Material Specifications

**SUBMITTAL NUMBER:** 243-006 **DATE SUBMITTED:** 1/26/2011

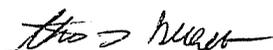
**SPECIFICATION SECTION:** 02820 **PARAGRAPH:**

**SUBCONTRACTOR/SUPPLIER** S&R Corporation

**SUBMITTING INFORMATION:**

**MATERIAL MANUFACTURER:**

**BY:**



Thomas J. Guerette - PROJECT MANAGER

**DATE:** 1/26/2011

**SUBMITTAL REVIEW STATUS:**

**SUBMITTAL**

**SPECIFICATION SECTION: 02820 – CHAIN LINK FENCE**

**AEROFAB MILL FACILITY DEMOLITION**

**#3 AEROFAB DRIVE**

**SANFORD, ME**

*Prepared by:*

**S&R CORPORATION**

**706 BROADWAY STREET**

**LOWELL, MA 01854**

---

*Prepared for:*

**WESTON & SAMPSON ENGINEERS**

**100 INTERNATIONAL DRIVE, SUITE #152**

**PORTSMOUTH, NH 03801**

**JANUARY 2011**

The S&R Corporation (S&R) is pleased to submit the following materials specifications for the Permanent Chain Link Fence at the Aerofab Mill Demolition Project located at #3 Aerofab Drive, Sanford, ME.

**GENERAL:** Height shall be 8' (96 inch). Provide fabric in one piece heights measured between top and bottom outer edge of selvage knuckle or twist. Comply with ASTM A 392, CLFMI Product Manual, and requirements indicated below:

**Material:**

***Steel Wire Fabric:*** Metallic Coated wire with a diameter of 0.148 inch (3.76 mm) (9 gauge).

1. Mesh Size: 2 inches (50 mm)
2. Weight of Metallic (Zinc) Coating: ASTM A-392, Type II, Class 2, 2.0 oz/sf (610g/sq. m) with zinc coating applied before weaving.

***Steel Framework:***

1. Line posts: 2-1/2" diameter SS-40 pipe having a cross section measurement of not less than 2-1/2" diameter with a wall thickness of 0.130" (3.30 mm). Line post shall weigh 3.12 lb/lf (4.64 kg/m)
2. End, Corner and Pull Posts: 3" diameter SS-40 pipe having a cross section measurement of not less than 2.875" diameter with a wall thickness of 0.160" (4.06 mm). End, Corner and Pull Posts shall weigh 4.64 lb/lf (6.90 kg/m)
3. Gate Posts: 4" diameter SS-40 pipe having a cross section measurement of not less than 4.00" diameter with a wall thickness of 0.160" (4.06 mm). Gate Posts shall weigh 6.56 lb/lf (9.76 kg/m)
4. Top Rail: 1-5/8" diameter SS-40 pipe having a cross section measurement of not less than 1.660" diameter with a wall thickness of 0.111" (2.82 mm). Top Rail shall weigh 1.84 lb/lf (2.74 kg/m)

***Gates:*** Existing gates at the temporary fence location will be relocated over to the permanent fence location.

***INSTALLATION:*** Installation will be in accordance with project specifications all line, end, corner, pull posts and gate posts will be driven and not to exceed 10' centers.

## Certification

"Made in U.S.A." is proudly displayed on every length of SS-40 pipe. Allied will certify that all SS-40 fence pipe is manufactured in the USA and is in compliance with applicable Federal, State and local specifications.

## Specifying Agencies

Partial list of agencies which have approved SS-40.

- (AASHTO) American Associations of State Highway and Transportation Officials M181-95
- Federal Specifications RR-F-191/2D (Chain Link Fence Gates)
- Federal Specifications RR-F-191/3D (Chain Link Fence Posts, Top Rails and Braces)
- Corps of Engineers CEGS-02831
- Department of the Navy NFGS-02831
- Department of Transportation Federal Aeronautics Administration AC 150/5370-10A Item F-162
- U.S. Department of Justice - Federal Bureau of Prisons
- ASTM Specification F1043-00 Standard Specification for Strength and Protective Coatings
- American Institute of Architects (AIA) MASTERSPEC

Call our Toll-free number for assistance.

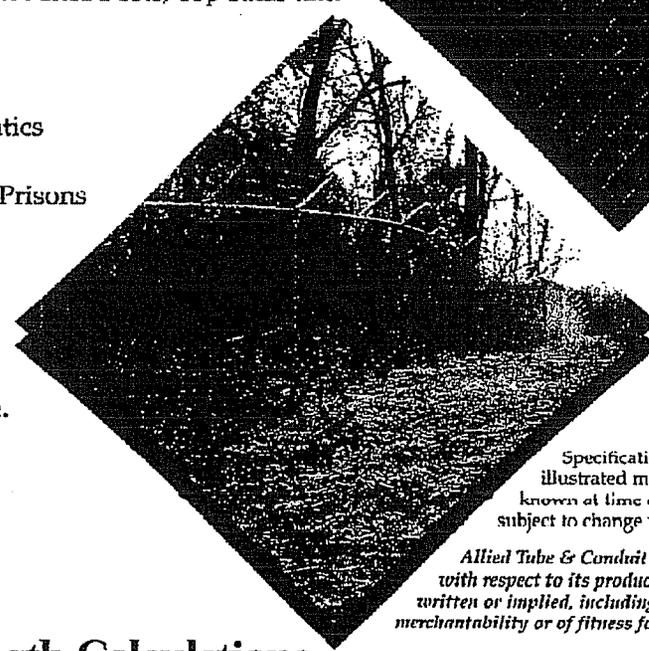
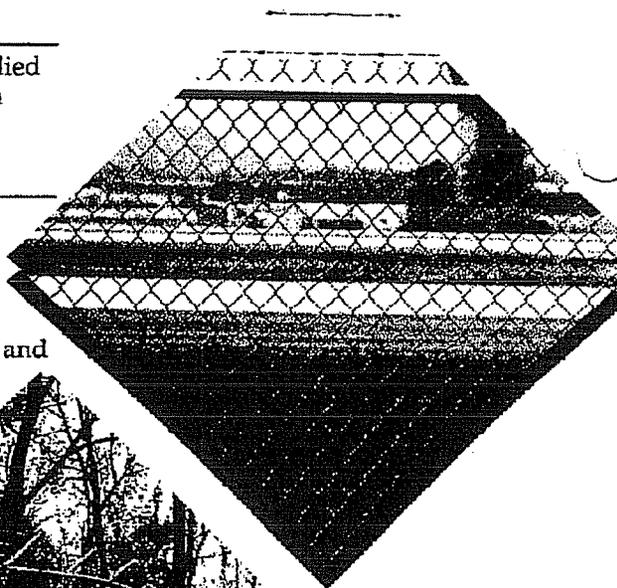
**1-800-882-5543**

Visit our website at  
[www.alliedtube.com](http://www.alliedtube.com)

## Table 1 Physical Dimensions and Strength Calculations

### SS-40 Pipe Sizes

Fence Industry O.D.	Decimal O.D. Equivalent		Pipe Wall Thickness		Weight		Section Modulus inches <sup>3</sup>	Min. Yield Strength psi	Max Bending = Moment lb. in.	Calculated Load (lbs.)		
	inches	(mm)	inches	(mm)	lb./ft.	(kg/m)				10' Free Supported	Cantilever	
1-3/8"	1.315	33.40	.104	2.64	1.35	2.01	.1111	x 50,000	= 5555	185	116	77
1-5/8"	1.660	42.16	.111	2.82	1.84	2.74	.1961	x 50,000	= 9805	327	204	136
2"	1.900	48.26	.120	3.05	2.28	3.39	.2810	x 50,000	= 14050	468	293	195
2-1/2"	2.375	60.33	.130	3.30	3.12	4.64	.4881	x 50,000	= 24405	814	508	339
3"	2.875	73.03	.160	4.06	4.64	6.90	.8778	x 50,000	= 43890	1463	914	610
3-1/2"	3.500	88.90	.160	4.06	5.71	8.50	1.3408	x 50,000	= 67040	2235	1397	931
4"	4.000	101.60	.160	4.06	6.56	9.76	1.7819	x 50,000	= 89095	2970	1856	1237



Specifications, descriptions, and illustrated material are accurate as known at time of publication and are subject to change without notice.

Allied Tube & Conduit makes no warranties with respect to its products, whether expressed, written or implied, including any warranty of merchantability or of fitness for a particular purpose.

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Electrical & Metal Products



Allied Tube & Conduit  
Fence Division  
16100 South Lathrop Ave.  
Harvey, Illinois 60426  
(708) 339-1610 • (800) 882-5543  
Fax (708) 339-2373  
[www.alliedtube.com](http://www.alliedtube.com)

## 2.1 CHAIN-LINK FENCE FABRIC

A.

General: Height indicated on Drawings. Provide fabric in one-piece heights measured between top and bottom of outer edge of selvage knuckle or twist. Comply with ASTM A 392, CLFMI Product Manual, and requirements indicated below:

- 8' tall
- ↑
1. Steel Wire Fabric: Metallic-coated wire with a diameter of 0.148 inch (3.76 mm) (9 gage).
    - a. Mesh Size: 2 inches (50 mm).
    - b. Weight of Metallic (Zinc) Coating: ASTM A 392, Type II, Class 2, 2.0 oz./sq. ft. (610 g/sq. m) with zinc coating applied before weaving.
  2. Steel Wire Fabric: Polymer-coated wire with a diameter of 0.148 inch (3.76 mm) (9 gage).
    - a. Mesh Size: 2 inches (50 mm).
    - b. Weight of Metallic (Zinc) Coating: ASTM A 392, Type II, Class 2, 2.0 oz./sq. ft. (610 g/sq. m) with zinc coating applied before weaving.
    - c. PVC Coating: ASTM F 668, Class 2b over metallic-coated steel wire.
- 1) Color: As selected by Owner's Representative from manufacturer's full range, complying with ASTM F 934.

CHAIN LINK FENCES AND GATES

32 31 13

Page 2 of 8

Same wire on gates

WESTON & SAMPSON ENGINEERS, INC.  
100 International Drive, Suite 152  
Portsmouth, NH 03801  
(603) 431-3937

## SHOP DRAWING REVIEW MEMORANDUM

---

**TO:** S&R Corporation  
**FROM:** Weston & Sampson Engineers, Inc.  
**DATE:** February 03, 2011  
**PROJECT:** 2100577 Sanford, ME – Aerofab Mill Demolition  
**SUBJECT:** Transmittal No. 243-007 (Erosion Control)  
Specification Section: 01570 – Environmental Control  
**COPIES TO:** NH Files, Project File 2100577 – 170, Sanford, ME

---

The following comments apply to shop drawing transmittal No. 243-007, Erosion Control Specs, and shall be considered part of that submittal.

The comments contained in this Shop Drawing Review Memorandum are intended for use as a guide towards submittal of an approvable shop drawing transmittal and are not intended to be used as a complete checklist of revisions or to supersede the Contract Documents.

The resubmittal of the subject transmittal listed above, if applicable, shall explicitly address the following in addition to any other deviations from the Contract Documents not addressed in this form.

**Item No.:** 1 – Erosion Control Specs Submittal

**Review Code:** 1 – No Exceptions Taken

**Comments:**

None

P:\SANFORD ME\2100577 AEROFAB DEMO\170-SHOP DWGS\007 - E&S CONTROL.DOC

Reviewed By: Michael Roether *MR*

Date: 2/03/11

# Shop Drawing Transmittal



## Instructions for Preparing Transmittal

No action will be taken on any item unless accompanied by this form. Type or print all entries.

TRANSMITTAL NOS. to be consecutive (1, 2, 3, etc.).

Each resubmittal of same item shall use same number with suffix letter (A, B, etc.).

SPEC. SECT. NO: Only one spec. section no. to each transmittal.

DESCRIPTION: Complete identification of document or group of documents.

SOURCE: Originator of document(s) being submitted.

DRAWING NO: Identification of document(s).

NO. of COPIES: Usually 6 or as directed/specified.

CONTRACT DRAWING REFERENCE: Contract drawing number(s) showing details of document(s) being submitted.

SPECIAL INSTRUCTIONS: Special cases and emergencies, changes in distribution and special handling requests, etc. should be entered here.

SIGNATURE OF CONTRACTOR: Signature of individual who reviews and approves material prior to submittal to engineer.

Contractor to retain last copy. Submit original with two pink and two yellow copies.

TRANSM. NO.		SPEC. SECT. NO.	DATE	CONTRACTOR'S JOB NO.	W&S JOB NO.		
243-007		N/A	1/26/11	243			
PROJECT NAME & CONTRACT NO.							
Aerofab Mill Demolition							
Attention: CSD Weston & Sampson Engineers, Inc. 5 Centennial Drive Peabody, MA 01960-7985							
LOCATION #3 Aerofab Drive, Sanford, ME							
(CONTRACTOR) S&S Corporation 706 Broadway St. Lowell, MA 01854							
ITEM NO.	DESCRIPTION	SOURCE	DRAWING NO. CATALOG NO. BROCHURE, ETC.	NO. OF COPIES	CONTRACT DRAWING REF.	BY W&S ACTION CODE	REVIEWED BY
1	Erosion Control specs	S&S corp					
2							
3							
4							

THIS CERTIFIES THAT ALL ITEMS SUBMITTED HEREWITH HAVE BEEN CHECKED BY THE CONTRACTOR, ARE IN CONFORMANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, EXCEPT AS NOTED, AND ARE APPROVED BY THE CONTRACTOR FOR THIS PROJECT.

SPECIAL INSTRUCTIONS:

(FOR CONTRACTOR) SIGNATURE & TITLE: *James White*

FIELD OFFICE REC'D BY: *Michael Kelly* DATE: 1/21/11

BY: *Michael Kelly* DATE: 2/13/11

**Please! BEAR DOWN WHEN HANDWRITING -- THIS IS A 6 COPY FORM & THE LAST COPY IS YOURS!**

# LETTER OF TRANSMITTAL

**243-007**

**S&R Corporation**  
**706 Broadway Street**  
**Lowell, MA 01854**

**TEL: (978) 441-2000**  
**FAX: (978) 441-2002**

TO:	<u>Weston &amp; Sampson Engineers</u>	DATE:	<u>1/26/2011</u>
	<u>100 International Drive Suite 152</u>	PROJECT:	<u>Aerofab Building Demolition</u>
	<u>Portsmouth, NH 03801</u>		<u>3 Aerofab Drive</u>
			<u>Sanford, ME 04073</u>

ITEMS TRANSMITTED:	Shop Drawings <input type="checkbox"/>	Specifications <input checked="" type="checkbox"/>	
	Change Order Proposal <input type="checkbox"/>	Plans <input type="checkbox"/>	
	Submittal <input checked="" type="checkbox"/>	Other _____	

COPIES	DATE	NO.	DESCRIPTION
1	1/26/2011	6	Erosion Control Spec's

THESE ARE TRANSMITTED as checked below:

For approval <input checked="" type="checkbox"/>	Approved as Submitted <input type="checkbox"/>	Return <input type="checkbox"/>	_____ copies for approval
For your use <input type="checkbox"/>	Approved as Noted <input type="checkbox"/>	Submit <input type="checkbox"/>	_____ copies for distribution
As requested <input type="checkbox"/>	Revise and Resubmit <input type="checkbox"/>	Return <input type="checkbox"/>	_____ corrected prints
For review and comment <input type="checkbox"/>	Other <input type="checkbox"/>		

**FOR BIDS DUE:** \_\_\_\_\_

REMARKS:  
 Mike,  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

COPIES TO:  
 File \_\_\_\_\_  
 \_\_\_\_\_

SIGNED:   
 \_\_\_\_\_  
**Thomas J. Guerette**

S & R Corporation

**SUBMITTAL**

**PROJECT:** Aerofab Mill Facility Demolition  
Sanford, ME 04073

**SUBMITTED TO:** Weston & Sampson  
100 International Drive  
Portsmouth, NH 03801

**SUBMITTED BY:** S&R Corporation  
706 Broadway Street  
Lowell, MA 01854

**SUBMITTAL TITLE:** Temporary Erosion Control - Environmental Protection

**SUBMITTAL NUMBER:** 243-007 **DATE SUBMITTED:** 1/26/2011

**SPECIFICATION SECTION:** 01570 **PARAGRAPH:** \_\_\_\_\_

**SUBCONTRACTOR/SUPPLIER** S&R Corporation  
**SUBMITTING INFORMATION:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**MATERIAL MANUFACTURER:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**BY:** *Thomas J. Guerette* **DATE:** 1/26/2011  
Thomas J. Guerette - PROJECT MANAGER

**SUBMITTAL REVIEW STATUS:**

### **Specifications on Hay Bales and Stakes**

Hay bales are approximately 32" long x 20" wide x 16" high wrapped with two 1/8" twine and containing a mixture of different hays. Bales are staked with two 1 1/8" x 1 1/8" hardwood stakes. Hay bales are from dairy farms that use hay for feed.

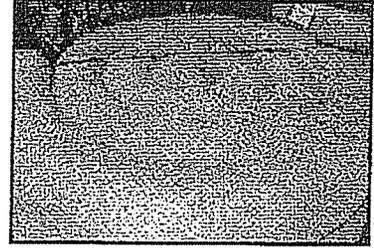
Hay bales are manufactured in fields that are maintained annually. Size of hay bales are approximate because they can slightly vary in size due to manufacturing equipment.

Stakes are made with hardwood and are 1 1/8"x 1 1/8" and 2"x2"

The hay bales and stakes are manufactured out of Poland, NY we supply them from Cold Brook Farms in Poland, NY



## Straw Wattle WS-9



The Straw wattle shall be composed of 100% agricultural straw and be wrapped in tubular UV stabilized synthetic netting.

The netting weight shall be approximately 0.35 ounces/linear ft and shall be made from HDPE (High Density Polyethylene) oriented net with carbon black for UV inhibition. The netting shall have a diamond shaped aperture measuring 0.50 by 0.50 inches.

The wattle ends will be secured with wire closures. Straw wattles shall be installed according to manufacturer's recommendations. They shall be installed on contour and staked with 18 or 24 inch wood stakes at four foot on center.

The Straw Wattle shall be manufactured by North American Green, or equivalent. The Straw Wattle shall have the following properties:

### Material Content

Matrix	100% Straw Fiber 9 in Diameter: 2.4 lbs/linear ft. (3.54 kg/m).
Netting	Tubular, diamond-shaped netting (0.35 ounces/linear ft [30.0 g/linear meter] approximate weight)
Wire Closure	4 in, 18 gauge industry grade wire

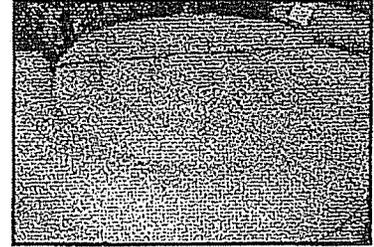
Straw Wattles are Available with the following Physical Specifications [English Units (Metric Units)]

Diameter	9.00 in (22.86 cm)
Length	25.00 ft (7.62 m)
Weight ± 10%	60.00 lbs (27.22 kg)



# Straw Wattle

## WS-12



The Straw wattle shall be composed of 100% agricultural straw and be wrapped in tubular UV stabilized synthetic netting.

The netting weight shall be approximately 0.35 ounces/linear ft and shall be made from HDPE (High Density Polyethylene) oriented net with carbon black for UV inhibition. The netting shall have a diamond shaped aperture measuring 0.50 by 0.50 inches.

The wattle ends will be secured with wire closures. Straw wattles shall be installed according to manufacturer's recommendations. They shall be installed on contour and staked with 18 or 24 inch wood stakes at four foot on center.

The Straw Wattle shall be manufactured by North American Green, or equivalent. The Straw Wattle shall have the following properties:

### Material Content

Matrix	100% Straw Fiber 12 in Diameter: 3.75 lbs/linear ft. (5.61 kg/m)
Netting	Tubular, diamond-shaped netting (0.35 ounces/linear ft [30.0 g/linear meter] approximate weight)
Wire Closure	4 in, 18 gauge industry grade wire

Straw Wattles are Available with the following Physical Specifications [English Units (Metric Units)]

Diameter	12.00 in (30.48 cm)
Length	10.00 ft (3.05 m)
Weight $\pm$ 10%	37.5 lbs (17.10 kg)



# PRODUCT DATA SHEET

## 1211 Silt Fence

PROPERTY	TEST METHOD	MARV
Tensile Strength (Grab)	ASTM D-4632	124 x 105
Elongation	ASTM D-4632	15%
Puncture	ASTM D-4833	65 lbs
Mullen Burst	ASTM D-3786	300 psi
Trapezoidal Tear	ASTM D-4533	65 lbs
UV Resistance	ASTM D-4355	80% AFTER 500 HRS
Apparent Opening Size (AOS)	ASTM D-4751	30 US Std. Sieve
Permittivity	ASTM D-4491	.05 sec <sup>-1</sup>
Water Flow Rate	ASTM D-4491	12 gpm/ft <sup>2</sup>

The property values listed above are subject to change without notice.

***Willacoochee Industrial Fabrics***  
***Quality at Competitive Prices.***

***769 West Main Street***  
***PO Box 599***  
***Willacoochee, GA 31650***

***PH: 912-534-5757***  
***FAX: 912-534-5533***  
***www.winfabusa.com***

WESTON & SAMPSON ENGINEERS, INC.  
100 International Drive, Suite 152  
Portsmouth, NH 03801  
(603) 431-3937

## SHOP DRAWING REVIEW MEMORANDUM

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**TO:** S&R Corporation  
**FROM:** Weston & Sampson Engineers, Inc.  
**DATE:** February 03, 2011  
**PROJECT:** 2100577 Sanford, ME – Aerofab Mill Demolition  
**SUBJECT:** Transmittal No. 243-008 (Waste Disposal Receipts)  
Specification Section: 02220 – Building Demolition  
**COPIES TO:** NH Files, Project File 2100577 – 170, Sanford, ME

---

The following comments apply to shop drawing transmittal No. 243-008, Waste Disposal Receipts, and shall be considered part of that submittal.

The comments contained in this Shop Drawing Review Memorandum are intended for use as a guide towards submittal of an approvable shop drawing transmittal and are not intended to be used as a complete checklist of revisions or to supersede the Contract Documents.

The resubmittal of the subject transmittal listed above, if applicable, shall explicitly address the following in addition to any other deviations from the Contract Documents not addressed in this form.

**Item No.:** 1 – Waste Disposal Receipts Submittal

**Review Code:** 1 – No Exceptions Taken

**Comments:**

None

P:\SANFORD ME\2100577 AEROFAB DEMO\170-SHOP DWGS\007 - E&S CONTROL.DOC

Reviewed By: Michael Roether *MR*

Date: 2/03/11

# Shop Drawing Transmittal

**Weston & Sampson**  
ENGINEERS, INC.

## Instructions for Preparing Transmittal

No action will be taken on any item unless accompanied by this form. Type or print all entries.

TRANSMITTAL NOS. to be consecutive (1, 2, 3, etc.). Each resubmittal of same item shall use same number with suffix letter (A, B, etc.).

SPEC. SECT. NO: Only one spec. section no. to each transmittal.

DESCRIPTION: Complete identification of document or group of documents.

SOURCE: Originator of document(s) being submitted.

DRAWING NO: Identification of document(s).

NO. of COPIES: Usually 6 or as directed/specified.

CONTRACT DRAWING REFERENCE: Contract drawing number(s) showing details of document(s) being submitted.

SPECIAL INSTRUCTIONS: Special cases and emergencies, changes in distribution and special handling requests, etc. should be entered here.

SIGNATURE OF CONTRACTOR: Signature of individual who reviews and approves material prior to submittal to engineer.

Contractor to retain last copy. Submit original with two pink and two yellow copies.

TRANSM. NO.		SPEC. SECT. NO.	DATE	LOCATION	CONTRACTOR'S JOB NO.	W&S JOB NO.
243-008		N-A	1/12/11	#3 Alerfab Drive, Sanford, ME		
PROJECT NAME & CONTRACT NO.						
Alerfab Mill Demolition						
Attention: CSD Weston & Sampson Engineers, Inc. 5 Centennial Drive Peabody, MA 01960-7985						
ITEM NO.	DESCRIPTION	SOURCE	DRAWING NO. CATALOG NO. BROCHURE, ETC.	NO. OF COPIES	CONTRACT DRAWING REF.	BY W&S ACTION CODE REVIEWED BY
1	WASTE Disposal Documents	SAK Corp.				
2						
3						
4						

THIS CERTIFIES THAT ALL ITEMS SUBMITTED HEREWITH HAVE BEEN CHECKED BY THE CONTRACTOR, ARE IN CONFORMANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, EXCEPT AS NOTED, AND ARE APPROVED BY THE CONTRACTOR FOR THIS PROJECT.

### SPECIAL INSTRUCTIONS:

(FOR CONTRACTOR)  
SIGNATURE & TITLE:

*John J. Mearns*

THIS SECTION TO BE COMPLETED BY W&S

### ACTION CODE

- NO EXCEPTIONS TAKEN
- MAKE CORRECTIONS NOTED
- AMEND AND RESUBMIT
- REJECTED - SEE REMARKS
- ACKNOWLEDGMENT

a. INSTALLATION SHALL PROCEED ONLY WHEN ACTION CODE IS 1 or 2.

b. ACTION CODED 3 SHALL BE RESUBMITTED WITHIN TIME LIMIT SET IN CONTRACT.

c. REVIEW DOES NOT RELIEVE CONTRACTOR FROM RESPONSIBILITY OF COMPLIANCE WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.

### FIELD OFFICE

REC'D BY

DATE

1 / 1

**Weston & Sampson**  
ENGINEERS, INC.

BY *Michael J. Post* DATE 2/03/11

**Please! BEAR DOWN WHEN HANDWRITING -- THIS IS A 6 COPY FORM & THE LAST COPY IS YOURS!**

# LETTER OF TRANSMITTAL

**243-008**

**S&R Corporation**  
**706 Broadway Street**  
**Lowell, MA 01854**

**TEL: (978) 441-2000**  
**FAX: (978) 441-2002**

TO:	<u>Weston &amp; Sampson Engineers</u>	DATE:	<u>1/26/2011</u>
	<u>100 International Drive Suite 152</u>	PROJECT:	<u>Aerofab Building Demolition</u>
	<u>Portsmouth, NH 03801</u>		<u>3 Aerofab Drive</u>
			<u>Sanford, ME 04073</u>

ITEMS TRANSMITTED:	Shop Drawings <input type="checkbox"/>	Specifications <input checked="" type="checkbox"/>	
	Change Order Proposal <input type="checkbox"/>	Plans <input type="checkbox"/>	
	Submittal <input checked="" type="checkbox"/>	Other _____	

COPIES	DATE	NO.	DESCRIPTION
1	1/26/2011	6	Waste Disposal Slips

THESE ARE TRANSMITTED as checked below:

For approval <input checked="" type="checkbox"/>	Approved as Submitted <input type="checkbox"/>	Return <input type="checkbox"/>	_____ copies for approval
For your use <input type="checkbox"/>	Approved as Noted <input type="checkbox"/>	Submit <input type="checkbox"/>	_____ copies for distribution
As requested <input type="checkbox"/>	Revise and Resubmit <input type="checkbox"/>	Return <input type="checkbox"/>	_____ corrected prints
For review and comment <input type="checkbox"/>	Other <input type="checkbox"/>		

**FOR BIDS DUE:** \_\_\_\_\_

REMARKS:

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COPIES TO:  
 File \_\_\_\_\_  
 \_\_\_\_\_

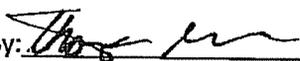
SIGNED:   
 \_\_\_\_\_  
**Thomas J. Guerette**

Sanford, ME – Aerofab Mill Demolition

Actual Waste Debris Recycling/Disposal Summary

<b>Table - A</b>				
<b>Construction &amp; Demolition Waste Debris Table</b>				
<b>Commodity</b>	<b>Actual Volume in Cubic Yards</b>	<b>Actual Volume in Tons</b>	<b>Disposal Facility Type</b>	<b>Disposal Facility Name &amp; Location</b>
Non-Asbestos contaminated wood C&D, Brush, plaster, furniture	2,400	612.71	Wood Processing Facility (Recycling)	Bio-Fuels 38 Alfred A. Plourde Parkway Lewiston, ME 04240
Stone, Concrete, Inert Fill	800	1,600	Crushed Onsite	Used as Clean fill onsite
Metal, Iron, Steel	240	50.0358	Recycling Yard (Scrap Yard)	Schnitzer North East 69 Rover Street Everett, MA
Paper Waste	60	8.13	Landfill	Pine Tree Landfill 87 Pleasant Hill Road Scarborough, ME 04074

<b>Table - B</b>			
<b>Total All Waste Streams (tons)</b>	<b>Total Recycled Waste (tons)</b>	<b>Total Landfill Waste (tons)</b>	<b>Percentage of Recycled materials (by weight)</b>
1,470.88	1,462.75	8.13	99.45%

Prepared By: 

Thomas J. Guerette / 2-03-2011

**Aerofab Mill Demolition  
Waste Disposal Summary**

Loads	Waste type	Cy	Tons	Disposal Type	Disposal location
2	paper waste	60.00	8.13	Landfill	Pine Tree Landfill 87 Pleasasant Hill Road Scarborough, ME 04074
24	Mixed C&D	2,400.00	612.71	Recycle	Bio-Fuels , Inc. Alfred Plourde Parkway Lewiston, ME
n/a	Concrete & Masonry	1,600	800	Recycle	Crushed Onsite & Used as Backfill
4	Steel/Iron	240.00	50.0358	Recycle	Prolerized New England 69 Rover Street Everett, MA 02149

Responsible Person

I, Thomas J. Guerette , from the S&R Corporation verify that the information provided herein is accurate, to the best of my knowledge

Select units for diverted and landfill waste calculation

Tons	Cubic Yards (CY)
------	------------------

Diverted Waste Calculation Form		
Diverted/Recycled Materials Description	Diversion/Recycling - Hauler / Location	Quantity of Diverted / Recycled Waste
Mixed C&D	Bio-Fuels , Inc. Alfred Plourde Parkway Lewiston, ME	612.71

Concrete & Masonry	Crushed On-Site	800
Steel / Iron	Prolerized New England 69 Rover Street Everett, MA 02149	50.0358

Landfill Construction Waste Calculation Form		
Landfill Materials Waste Description	Diversion/Recycling - Hauler / Location	Quantity of Diverted / Recycled Waste
Paper Waste	Pine Tree Landfill 87 Pleasesant Hill Road Scarborough, ME 04074	8.13

<b>Total Waste Generated:</b>	<b>1,470.88</b>
<b>Total Construction Waste Diverted:</b>	<b>1,462.75</b>
<b>Total % of Construction Waste Diverted from Landfills:</b>	<b>99.45%</b>

---

**S & R Corporation**

---

**SUBMITTAL**

**PROJECT:** Aerofab Mill Facility Demolition  
Sanford, ME 04073

**SUBMITTED TO:** Weston & Sampson  
100 International Drive  
Portsmouth, NH 03801

**SUBMITTED BY:** S&R Corporation  
706 Broadway Street  
Lowell, MA 01854

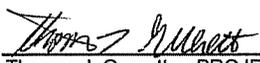
**SUBMITTAL TITLE:** Waste Disposal Documents

**SUBMITTAL NUMBER:** 243-008      **DATE SUBMITTED:** 1/26/2011

**SPECIFICATION SECTION:** 01570      **PARAGRAPH:** \_\_\_\_\_

**SUBCONTRACTOR/SUPPLIER** S&R Corporation  
**SUBMITTING INFORMATION:** \_\_\_\_\_  
\_\_\_\_\_

**MATERIAL MANUFACTURER:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**BY:**       **DATE:** 1/26/2011  
Thomas J. Guerette - PROJECT MANAGER

**SUBMITTAL REVIEW STATUS:**

BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

TICKET: 71578  
DATE: 01/05/2011  
TIME: 15:02 - 15:02

CUSTOMER: KW00079 / S & R CONTRACTING  
HAULCUST: WO: 0  
ORIGIN: SANFORD / SANFORD, ME  
TRUCK: KMANN  
GENERATOR: NA / NON APPLICABLE  
HAULER: NA / NON APPLICABLE  
COMMENT:

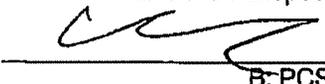
APPROVAL #:  
TRAILER:  
PROFILE #: NA  
ROUTE: NA / NON APPLICABLE

P.O.:  
GROSS: 93120 LBS  
TARE: 43800 LBS  
NET: 49320 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
WWCL / WOODWASTE CLEAN	24.6600	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver:   
IN: SCALE B: PCSCALE-KB

Weighmaster: \_\_\_\_\_  
OUT: SCALE B: PCSCALE-KB

BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

TICKET: 71584  
DATE: 01/05/2011  
TIME: 16:08 - 16:08

CUSTOMER: KW00079 / S & R CONTRACTING

HAULCUST: WO: 0

ORIGIN: SANFORD / SANFORD, ME

TRUCK: JOHNSON

GENERATOR: NA / NON APPLICABLE

HAULER: NA / NON APPLICABLE

COMMENT:

MATERIAL

WWCL / WOODWASTE CLEAN

APPROVAL #:

TRAILER:

PROFILE #: NA

ROUTE: NA / NON APPLICABLE

P.O.:

GROSS: 93820 LBS

TARE: 43660 LBS

NET: 50160 LBS

CELL/TANK: NA

QUANTITY	UNIT
25.0800	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver:  
IN: SCALE

B: PCSCALE-KB

Weighmaster:  
OUT: SCALE

B: PCSCALE-KB

BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

TICKET: 71588  
DATE: 01/05/2011  
TIME: 16:25 - 16:25

CUSTOMER: KW00079 / S & R CONTRACTING  
HAULCUST: WO: 0  
ORIGIN: SANFORD / SANFORD, ME  
TRUCK: GURRISI  
GENERATOR: NA / NON APPLICABLE  
HAULER: NA / NON APPLICABLE  
COMMENT:

APPROVAL #:  
TRAILER:  
PROFILE #: NA  
ROUTE: NA / NON APPLICABLE

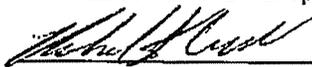
P.O.:  
GROSS: 97620 LBS  
TARE: 41800 LBS  
NET: 55820 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
WWCL / WOODWASTE CLEAN	27.9100	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver:  
IN: SCALE



B: PCSCALE-KB

Weighmaster:  
OUT: SCALE

\_\_\_\_\_ B: PCSCALE-KB

BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

TICKET: 71592  
DATE: 01/05/2011  
TIME: 16:53 - 16:53

CUSTOMER: KW00079 / S & R CONTRACTING  
HAULCUST: WO: 0  
ORIGIN: SANFORD / SANFORD, ME  
TRUCK: JOHNSON  
GENERATOR: NA / NON APPLICABLE  
HAULER: NA / NON APPLICABLE  
COMMENT:  
MATERIAL

APPROVAL #:  
TRAILER:  
PROFILE #: NA  
ROUTE: NA / NON APPLICABLE

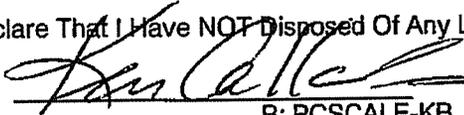
P.O.:  
GROSS: 93520 LBS  
TARE: 43200 LBS  
NET: 50320 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
WWCL / WOODWASTE CLEAN	25.1600	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver:  
IN: SCALE



B: PCSCALE-KB

Weighmaster:  
OUT: SCALE

B: PCSCALE-KB

BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

TICKET: 71609  
DATE: 01/06/2011  
TIME: 09:02 - 09:02

CUSTOMER: KW00079 / S & R CONTRACTING

HAULCUST: WO: 0

APPROVAL #:

ORIGIN: SANFORD / SANFORD, ME

TRUCK: JOHNSON

TRAILER:

GENERATOR: NA / NON APPLICABLE

PROFILE #: NA

HAULER: NA / NON APPLICABLE

ROUTE: NA / NON APPLICABLE

COMMENT:

MATERIAL

WWCL / WOODWASTE CLEAN

QUANTITY  
25.5600

UNIT  
ST

P.O.:  
GROSS: 90920 LBS  
TARE: 39800 LBS  
NET: 51120 LBS

CELL/TANK: NA

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver:  
IN: SCALE

B: PCSCALE-KB

Weighmaster:  
OUT: SCALE

B: PCSCALE-KB

BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

TICKET: 71613  
DATE: 01/06/2011  
TIME: 10:04 - 10:05

CUSTOMER: KW00079 / S & R CONTRACTING  
HAULCUST: WO: 0  
ORIGIN: SANFORD / SANFORD, ME  
TRUCK: JOHNSON  
GENERATOR: NA / NON APPLICABLE  
HAULER: NA / NON APPLICABLE  
COMMENT:

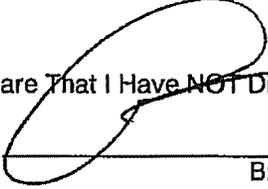
APPROVAL #:  
TRAILER:  
PROFILE #: NA  
ROUTE: NA / NON APPLICABLE

P.O.:  
GROSS: 88500 LBS  
TARE: 43660 LBS  
NET: 44840 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
WWCL / WOODWASTE CLEAN	22.4200	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver:   
IN: SCALE B: PCSCALE-KB

Weighmaster: \_\_\_\_\_  
OUT: SCALE B: PCSCALE-KB

BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

TICKET: 71647  
DATE: 01/06/2011  
TIME: 15:44 - 15:44

CUSTOMER: KW00079 / S & R CONTRACTING

HAULCUST: WO: 0

ORIGIN: SANFORD / SANFORD, ME

TRUCK: JOHNSON

GENERATOR: NA / NON APPLICABLE

HAULER: NA / NON APPLICABLE

COMMENT:

MATERIAL

WWCL / WOODWASTE CLEAN

APPROVAL #:

TRAILER:

PROFILE #: NA

ROUTE: NA / NON APPLICABLE

P.O.:

GROSS: 95300 LBS

TARE: 43660 LBS

NET: 51640 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
WWCL / WOODWASTE CLEAN	25.8200	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver:  
IN: SCALE

B: PCSCALE-KB

Weighmaster:  
OUT: SCALE

B: PCSCALE-KB

BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

TICKET: 71648  
DATE: 01/06/2011  
TIME: 15:45 - 15:45

CUSTOMER: KW00079 / S & R CONTRACTING  
HAULCUST: WO: 0  
ORIGIN: SANFORD / SANFORD, ME  
TRUCK: JOHNSON  
GENERATOR: NA / NON APPLICABLE  
HAULER: NA / NON APPLICABLE  
COMMENT:  
MATERIAL  
WWCL / WOODWASTE CLEAN

APPROVAL #:  
TRAILER:  
PROFILE #: NA  
ROUTE: NA / NON APPLICABLE

P.O.:  
GROSS: 85740 LBS  
TARE: 43200 LBS  
NET: 42540 LBS

CELL/TANK: NA

QUANTITY	UNIT
21.2700	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver:  
IN: SCALE



B: PCSCALE-KB

Weighmaster:  
OUT: SCALE

\_\_\_\_\_ B: PCSCALE-KB

BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

TICKET: 71650  
DATE: 01/06/2011  
TIME: 16:10 - 16:10

CUSTOMER: KW00079 / S & R CONTRACTING

HAULCUST: WO: 0

APPROVAL #:

P.O.:

GROSS: 89380 LBS

ORIGIN: SANFORD / SANFORD, ME

TRUCK: GURRASI

TRAILER:

TARE: 41800 LBS

GENERATOR: NA / NON APPLICABLE

PROFILE #: NA

NET: 47580 LBS

HAULER: NA / NON APPLICABLE

ROUTE: NA / NON APPLICABLE

COMMENT:

CELL/TANK: NA

MATERIAL

WWCL / WOODWASTE CLEAN

QUANTITY  
23.7900

UNIT  
ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver:  
IN: SCALE



B: PCSCALE-KB

Weighmaster:  
OUT: SCALE

B: PCSCALE-KB

BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

TICKET: 71659  
DATE: 01/07/2011  
TIME: 07:44 - 07:44

CUSTOMER: KW00079 / S & R CONTRACTING

HAULCUST: WO: 0

APPROVAL #:

ORIGIN: SANFORD / SANFORD, ME

TRUCK: JOHNSON

TRAILER:

GENERATOR: NA / NON APPLICABLE

PROFILE #: NA

HAULER: NA / NON APPLICABLE

ROUTE: NA / NON APPLICABLE

COMMENT:

MATERIAL

WWCL / WOODWASTE CLEAN

QUANTITY

25.1800

UNIT

ST

P.O.:

GROSS: 90160 LBS

TARE: 39800 LBS

NET: 50360 LBS

CELL/TANK: NA

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver:  
IN: SCALE

*M. Collins*

B: PCSCALE-KB

Weighmaster:  
OUT: SCALE

B: PCSCALE-KB

BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

TICKET: 71664  
DATE: 01/07/2011  
TIME: 10:17 - 10:17

CUSTOMER: KW00079 / S & R CONTRACTING  
HAULCUST: WO: 0  
ORIGIN: SANFORD / SANFORD, ME  
TRUCK: KMANN  
GENERATOR: NA / NON APPLICABLE  
HAULER: NA / NON APPLICABLE  
COMMENT:  
MATERIAL  
WWCL / WOODWASTE CLEAN

APPROVAL #:  
TRAILER:  
PROFILE #: NA  
ROUTE: NA / NON APPLICABLE

P.O.:  
GROSS: 98520 LBS  
TARE: 43800 LBS  
NET: 54720 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
WWCL / WOODWASTE CLEAN	27.3600	ST

I Herby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver:   
IN: SCALE B: PCSCALE-KB

Weighmaster: \_\_\_\_\_  
OUT: SCALE B: PCSCALE-KB

BIO FUELS, INC  
A Division of Cassella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

TICKET: 71676  
DATE: 01/07/2011  
TIME: 11:55 - 11:57

CUSTOMER: KW00079 / S & R CONTRACTING

HAULCUST: WO: 0

ORIGIN: SANFORD / SANFORD, ME

TRUCK: KB

GENERATOR: NA / NON APPLICABLE

HAULER: NA / NON APPLICABLE

COMMENT:

MATERIAL

WWCL / WOODWASTE CLEAN

APPROVAL #:

TRAILER:

PROFILE #: NA

ROUTE: NA / NON APPLICABLE

P.O.:

GROSS: 99020 LBS

TARE: 44000 LBS

NET: 55020 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
WWCL / WOODWASTE CLEAN	27.5100	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver:  
IN: SCALE

*Scott W*

B: PCSCALE-KB

Weighmaster:  
OUT: SCALE

B: PCSCALE-KB

BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

TICKET: 71677  
DATE: 01/07/2011  
TIME: 12:03 - 12:03

CUSTOMER: KW00079 / S & R CONTRACTING  
HAULCUST: WO: 0  
ORIGIN: SANFORD / SANFORD, ME  
TRUCK: KB  
GENERATOR: NA / NON APPLICABLE  
HAULER: NA / NON APPLICABLE  
COMMENT:  
MATERIAL  
WWCL / WOODWASTE CLEAN

APPROVAL #:  
TRAILER:  
PROFILE #: NA  
ROUTE: NA / NON-APPLICABLE

P.O.:  
GROSS: 97900 LBS  
TARE: 42600 LBS  
NET: 55300 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
WWCL / WOODWASTE CLEAN	27.6500	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: Jaed May  
IN: SCALE B: PCSCALE-KB

Weighmaster: \_\_\_\_\_  
OUT: SCALE B: PCSCALE-KB

BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

TICKET: 71682  
DATE: 01/07/2011  
TIME: 12:19 - 12:19

CUSTOMER: KW00079 / S & R CONTRACTING  
HAULCUST: WO: 0  
ORIGIN: SANFORD / SANFORD, ME  
TRUCK: JOHNSON  
GENERATOR: NA / NON APPLICABLE  
HAULER: NA / NON APPLICABLE  
COMMENT:

APPROVAL #:  
TRAILER:  
PROFILE #: NA  
ROUTE: NA / NON APPLICABLE

P.O.:  
GROSS: 96340 LBS  
TARE: 39800 LBS  
NET: 56540 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
WWCL / WOODWASTE CLEAN	28.2700	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver:  
IN: SCALE

*M. Collins*  
B: PCSCALE-KB

Weighmaster:  
OUT: SCALE

\_\_\_\_\_  
B: PCSCALE-KB



BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

TICKET: 71698  
DATE: 01/07/2011  
TIME: 15:34 - 15:34

CUSTOMER: KW00079 / S & R CONTRACTING  
HAULCUST: WO: 0  
ORIGIN: SANFORD / SANFORD, ME  
TRUCK: JOHNSON  
GENERATOR: NA / NON APPLICABLE  
HAULER: NA / NON APPLICABLE  
COMMENT:  
MATERIAL

APPROVAL #:  
TRAILER:  
PROFILE #: NA  
ROUTE: NA / NON APPLICABLE

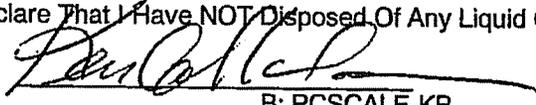
P.O.:  
GROSS: 88800 LBS  
TARE: 43200 LBS  
NET: 45600 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
WWCL / WOODWASTE CLEAN	22.8000	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver:  
IN: SCALE



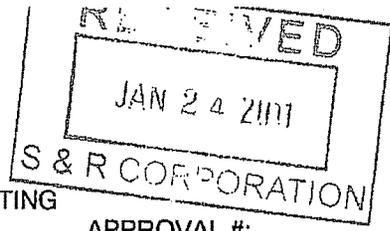
B: PCSCALE-KB

Weighmaster:  
OUT: SCALE

\_\_\_\_\_

B: PCSCALE-KB

BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941



TICKET: 71722  
DATE: 01/10/2011  
TIME: 13:29 - 13:29

CUSTOMER: KW00079 / S & R CONTRACTING

HAULCUST: WO: 0

ORIGIN: SANFORD / SANFORD, ME

TRUCK: KB

GENERATOR: NA / NON APPLICABLE

HAULER: NA / NON APPLICABLE

COMMENT:

MATERIAL

WWCL / WOODWASTE CLEAN

APPROVAL #:

TRAILER:

PROFILE #: NA

ROUTE: NA / NON APPLICABLE

P.O.:

GROSS: 98320 LBS

TARE: 44000 LBS

NET: 54320 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
WWCL / WOODWASTE CLEAN	27.1600	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver:  
IN: SCALE

*Scott W.*

B: PCSCALE-KB

Weighmaster:  
OUT: SCALE

B: PCSCALE-KB

BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

RECEIVED  
2 2 2011  
CORPORATIO

TICKET: 71726  
DATE: 01/10/2011  
TIME: 14:30 - 14:30

CUSTOMER: KW00079 / S & R CONTRACTING  
HAULCUST: WO: 0  
ORIGIN: SANFORD / SANFORD, ME  
TRUCK: KB  
GENERATOR: NA / NON APPLICABLE  
HAULER: NA / NON APPLICABLE  
COMMENT:  
MATERIAL  
WWCL / WOODWASTE CLEAN

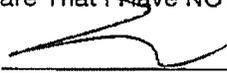
APPROVAL #:  
TRAILER:  
PROFILE #: NA  
ROUTE: NA / NON APPLICABLE

P.O.:  
GROSS: 100720 LBS  
TARE: 42300 LBS  
NET: 58420 LBS

CELL/TANK: NA

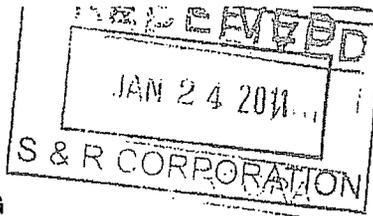
QUANTITY	UNIT
29.2100	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver:   
IN: SCALE B: PCSCALE-KB

Weighmaster: \_\_\_\_\_  
OUT: SCALE B: PCSCALE-KB

BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941



TICKET: 71733  
DATE: 01/10/2011  
TIME: 16:29 - 16:29

CUSTOMER: KW00079 / S & R CONTRACTING  
HAULCUST: WO: 0  
ORIGIN: SANFORD / SANFORD, ME  
TRUCK: KB  
GENERATOR: NA / NON APPLICABLE  
HAULER: NA / NON APPLICABLE  
COMMENT:

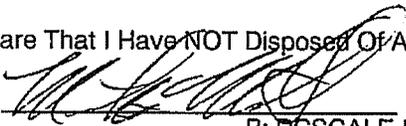
APPROVAL #:  
TRAILER:  
PROFILE #: NA  
ROUTE: NA / NON APPLICABLE

P.O.:  
GROSS: 99220 LBS  
TARE: 46700 LBS  
NET: 52520 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
WWCL / WOODWASTE CLEAN	26.2600	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver:   
IN: SCALE B: PCSCALE-KB

Weighmaster: \_\_\_\_\_  
OUT: SCALE B: PCSCALE-KB

BIO FUELS, INC  
A Division of Carolina Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

TICKET: 71736  
DATE: 01/10/2011  
TIME: 17:15 - 17:15

CUSTOMER: KW00079 / S & R CONTRACTING  
HAULCUST: WO: 0  
ORIGIN: SANFORD / SANFORD, ME  
TRUCK: JOHNSON  
GENERATOR: NA / NON APPLICABLE  
HAULER: NA / NON APPLICABLE  
COMMENT:  
MATERIAL  
WWCL / WOODWASTE CLEAN

RECEIVED  
JAN 24 2011  
APPROVAL #:  
S & R CORPORATION  
TRAILER:  
PROFILE #: NA  
ROUTE: NA / NON APPLICABLE

P.O.:  
GROSS: 103440 LBS  
TARE: 42800 LBS  
NET: 60640 LBS

CELL/TANK: NA

QUANTITY	UNIT
30.3200	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: Howie  
IN: ORI CLEMENT B: PCSCALE-KB

Weighmaster: \_\_\_\_\_  
OUT: ORI CLEMENT B: PCSCALE-KB

BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

TICKET: 71741  
DATE: 01/11/2011  
TIME: 06:28 - 06:28

RECEIVED  
JAN 24 2011

CUSTOMER: KW00079 / S & R CONTRACTING  
HAULCUST: WO: 0  
ORIGIN: SANFORD / SANFORD, ME  
TRUCK: JOHNSON  
GENERATOR: NA / NON APPLICABLE  
HAULER: NA / NON APPLICABLE  
COMMENT:  
MATERIAL  
WWCL / WOODWASTE CLEAN

APPROVALS: 8 R CORPORATION  
P.O.:  
GROSS: 99380 LBS  
TARE: 43200 LBS  
NET: 56180 LBS  
TRAILER:  
PROFILE #: NA  
ROUTE: NA / NON APPLICABLE  
CELL/TANK: NA

QUANTITY	UNIT
28.0900	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: *[Signature]*  
IN: SCALE B: PCSCALE-KB

Weighmaster: \_\_\_\_\_  
OUT: SCALE B: PCSCALE-KB

BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

RECEIVED  
JAN 24 2011  
S & R CORPORATION

TICKET: 71755  
DATE: 01/11/2011  
TIME: 10:21 - 10:21

CUSTOMER: KW00079 / S & R CONTRACTING  
HAULCUST: WO: 0  
ORIGIN: SANFORD / SANFORD, ME  
TRUCK: KB  
GENERATOR: NA / NON APPLICABLE  
HAULER: NA / NON APPLICABLE  
COMMENT:  
MATERIAL  
WWCL / WOODWASTE CLEAN

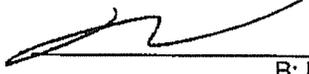
APPROVAL #:  
TRAILER:  
PROFILE #: NA  
ROUTE: NA / NON APPLICABLE

GROSS: 97380 LBS  
TARE: 42300 LBS  
NET: 55080 LBS

CELL/TANK: NA

QUANTITY	UNIT
27.5400	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver:   
IN: SCALE B: PCSCALE-KB

Weighmaster: \_\_\_\_\_  
OUT: SCALE B: PCSCALE-KB

BIO FUELS, INC  
A Division of Casella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

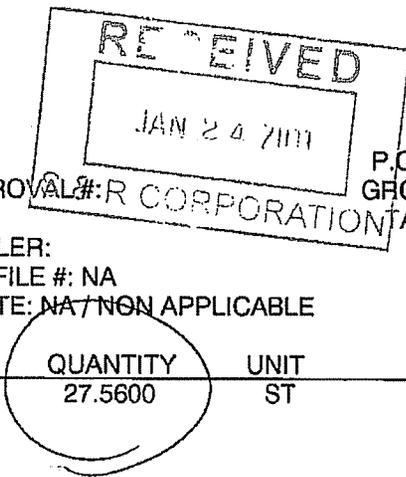
TICKET: 71762  
DATE: 01/11/2011  
TIME: 11:19 - 11:19

CUSTOMER: KW00079 / S & R CONTRACTING  
HAULCUST: WO: 0  
ORIGIN: SANFORD / SANFORD, ME  
TRUCK: JOHNSON  
GENERATOR: NA / NON APPLICABLE  
HAULER: NA / NON APPLICABLE  
COMMENT:  
MATERIAL  
WWCL / WOODWASTE CLEAN

APPROVAL # R CORPORATION  
TRAILER:  
PROFILE #: NA  
ROUTE: NA / NON APPLICABLE

P.O.:  
GROSS: 98780 LBS  
TARE: 43660 LBS  
NET: 55120 LBS

CELL/TANK: NA



QUANTITY	UNIT
27.5600	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: [Signature]  
IN: SCALE B: PCSCALE-KB

Weighmaster: \_\_\_\_\_  
OUT: SCALE B: PCSCALE-KB

BIO FUELS, INC  
A Division of Castella Waste Systems Inc.  
38 ALFRED PLOURDE PKWY  
LEWISTON, ME 04240 (207)783-2941

TICKET: 71777  
DATE: 01/11/2011  
TIME: 14:34 - 14:35

CUSTOMER: KW00079 / S & R CONTRACTING  
HAULCUST: WO: 0  
ORIGIN: SANFORD / SANFORD, ME  
TRUCK: KB  
GENERATOR: NA / NON APPLICABLE  
HAULER: NA / NON APPLICABLE  
COMMENT:

APPROVAL #:  
TRAILER:  
PROFILE #: NA  
ROUTE: NA / NON APPLICABLE

P.O.:  
GROSS: 65840 LBS  
TARE: 42300 LBS  
NET: 23540 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
WWCL / WOODWASTE CLEAN	11.7700	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver:   
IN: SCALE \_\_\_\_\_ B: PCSCALE-KB

Weighmaster: \_\_\_\_\_  
OUT: SCALE \_\_\_\_\_ B: PCSCALE-KB



PINE TREE WASTE, INC. 36  
 PINE TREE HAULING  
 87 PLEASANT HILL ROAD  
 SCARBOROUGH ME 04074

CUSTOMER NUMBER 36-64367 8  
 INVOICE # 929415  
 BILLING INQUIRIES (888 ) 857-0800  
 INVOICE DATE 12/27/10

RECEIVED

**INVOICE**

SERVICE ADDRESS  
 3 AEROFAD DR  
 SANFORD ME

An updated fuel/oil/enviro table is now available at our website.  
 Please visit [www.Casella.com/fuel/oil/enviro](http://www.Casella.com/fuel/oil/enviro) for more details.

DATE	DESCRIPTION	QTY.	RATE	TOTAL
12/22/10	SC DELIVERY RO WORK ORDER#: 928505 Hi! Your payment submittal has a new home. Please note new address.			✓ 100.00

*Handwritten notes:*  
 Hal  
 SD  
 To: [unclear]  
 Sel  
 # 207-653-4426  
 [unclear]

JOB: *2/3*  
 COST CODE: 115-1018E  
 G/L: Disposal

POSTED  
 JAN 25 2011

**PAY THIS AMOUNT**  
 \$100.00

FOR SERVICE DURING

PLEASE RETURN THIS PORTION WITH PAYMENT. DO NOT ATTACH CHECK TO STUB



PINE TREE WASTE, INC. 36  
 PINE TREE HAULING  
 87 PLEASANT HILL ROAD  
 SCARBOROUGH ME 04074

ADDRESS SERVICE REQUESTED



31202-GH42\*T4010704R001308

INVOICE #	INVOICE AMOUNT	CUST #
929415	\$100.00	36-64367 8

PAYMENT DUE 30 DAYS FROM  
 INVOICE DATE (A LATE FEE WILL  
 BE APPLIED TO ANY BALANCE OVER  
 30 DAYS)  
 DUE DATE: 01/26/2011

AMOUNT ENCLOSED  
 \$ \_\_\_\_\_



S&R CORPORATION  
 706 BROADWAY ST  
 LOWELL, MA 01854-3266

PINE TREE WASTE  
 PO BOX 1372  
 WILLISTON, VT 05495-1372

Please check box if above address is incorrect or information has changed, and indicate change(s) on reverse side.

2092941536643678000100006

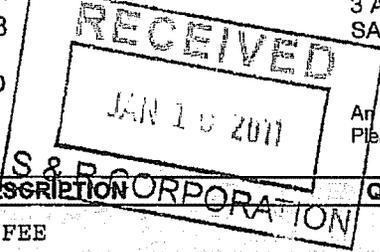


PINE TREE WASTE, INC. 36  
 PINE TREE HAULING  
 87 PLEASANT HILL ROAD  
 SCARBOROUGH ME 04074

**INVOICE**

SERVICE ADDRESS  
 3 AEROFAD DR  
 SANFORD ME

CUSTOMER NUMBER 36-64367 8  
 INVOICE # 934335  
 BILLING INQUIRIES (888 ) 857-0800  
 INVOICE DATE 1/01/11



An updated fuel/oil/enviro table is now available at our website.  
 Please visit [www.Casella.com/fuel/oil/enviro](http://www.Casella.com/fuel/oil/enviro) for more details.

DATE	DESCRIPTION	QTY.	RATE	TOTAL
12/31/10	FUEL/OIL/ENVIRO FEE WORK ORDER#: 929441			150.00
12/28/10	SC HAUL			448.00
12/28/10	DISPOSAL C & D	6.40	70.000	

Hi! Your payment submittal has a new home. Please note new address.

DISPOSAL 115-1018E

Disposal

**POSTED**  
 JAN 25 2011

FOR SERVICE DURING DECEMBER SERVICES

**PAY THIS AMOUNT**  
 \$598.00



PLEASE RETURN THIS PORTION WITH PAYMENT. DO NOT ATTACH CHECK TO STUD.



PINE TREE WASTE, INC. 36  
 PINE TREE HAULING  
 87 PLEASANT HILL ROAD  
 SCARBOROUGH ME 04074

ADDRESS SERVICE REQUESTED

INVOICE #	INVOICE AMOUNT	CUST #
934335	\$598.00	36-64367 8



31202-GH42\*T490W9E5E004692

PAYMENT DUE 30 DAYS FROM  
 INVOICE DATE (A LATE FEE WILL  
 BE APPLIED TO ANY BALANCE OVER  
 30 DAYS)  
 DUE DATE: 01/31/2011

AMOUNT ENCLOSED  
 \$ \_\_\_\_\_

S&R CORPORATION  
 706 BROADWAY ST  
 LOWELL, MA 01854-3266

PINE TREE WASTE  
 PO BOX 1372  
 WILLISTON, VT 05495-1372

Please check box if above address is incorrect or information has changed, and indicate change(s) on reverse side.

2093433536643678000598001



PINE TREE WASTE, INC. 36  
PINE TREE HAULING  
87 PLEASANT HILL ROAD  
SCARBOROUGH ME 04074

# INVOICE

**SERVICE ADDRESS**  
3 AEROFAD DR  
SANFORD ME

**CUSTOMER NUMBER** 36-64367 8  
**INVOICE #** 936126  
**BILLING INQUIRIES (888)** ) 857-0800  
**INVOICE DATE** 1/11/11

RECEIVED  
JAN 18 2011  
S & R CORPORATI

An updated fuel/oil/enviro table is now available at our website.  
Please visit [www.Casella.com/fuel/oil/enviro](http://www.Casella.com/fuel/oil/enviro) for more details.

DATE	DESCRIPTION	QTY.	RATE	TOTAL
	WORK ORDER#: 935628			
1/06/11	SC REMOVAL		✓ 150.00	✓ 150.00
1/06/11	DISPOSAL C & D	1.73	✓ 70.000	121.10
Hi! Your payment submittal has a new home. Please note new address.				

JOB: 243  
COST CODE: 115-1018E  
G/L: Disposal

POSTED  
JAN 25 2011

FOR SERVICE DURING

**PAY THIS AMOUNT**  
\$271.10



PLEASE RETURN THIS PORTION WITH PAYMENT. DO NOT ATTACH CHECK TO STUB.



PINE TREE WASTE, INC. 36  
PINE TREE HAULING  
87 PLEASANT HILL ROAD  
SCARBOROUGH ME 04074

ADDRESS SERVICE REQUESTED

INVOICE #	INVOICE AMOUNT	CUST #
936126	\$271.10	36-64367 8

PAYMENT DUE 30 DAYS FROM  
INVOICE DATE (A LATE FEE WILL  
BE APPLIED TO ANY BALANCE OVER  
30 DAYS)  
DUE DATE: 02/10/2011

AMOUNT ENCLOSED  
\$ \_\_\_\_\_



0101



31202-GH42\*T4G0RL561001435

S&R CORPORATION  
706 BROADWAY ST  
LOWELL, MA 01854-3266

PINE TREE WASTE  
PO BOX 1372  
WILLISTON, VT 05495-1372

Please check box if above address is incorrect or information has changed, and indicate change(s) on reverse side.

2093612636643678000271106

gab steel from the shop

113-0170E



**Ticket # TAHTIU**

PURCHASE TICKET

Prolerized New England Co.  
69 Rover Street  
Everett, MA 02149

Ticket # TAHTIU  
Vehicle ID: SR14

Date: 01/10/11  
Ship Date: 01/10/11

**RECEIVED**

Vehicle No: TK TAHTIU

JAN 11 2011

Purchased From: SR0001  
S&R CORP  
706 BROADWAY STREET  
LOWELL, MA 01853  
**S & R Corporation**

Item	Shpmt Material	Gross	Tare	Pounds		Pd Wt
				Net	Adj	
1.	TAHTIU Plate/Structural Unpr	58700b	43740d	14960	0	14960
Totals				14960	0	14960

Gross Wght Date/Time 01/10/11 09:23  
Tare Wght Date/Time 01/10/11 09:44

GROSS TONS  
6.6786

Weighmaster Signature

(Aaron McMahon)

Customer Signature

(All weights are reported in Pounds unless otherwise indicated)  
(All non-Pound weights are assumed to be manual weights)  
(a=Scale 1 b=Scale 2 c=Scale 3 d=Scale 4 m=Manual Weight)

**DISCLAIMER AND WAIVER OF LIABILITY**  
Disclaimer and Waiver of Liability for present and future deliveries. For mutual consideration the customer and driver acknowledge and assume the risk involved in discharging scrap metal in the yard. The customer and driver release and hold harmless Prolerized New England, its employees and its insurance carrier from any and all liability for damages both to person and property including but not limited to damage to motor vehicles while driving through the yard or loading or unloading scrap metal in the yard in connection with present and future delivery of scrap.

Doc 243

66-112-0108E



**Ticket # TAHMED**

PURCHASE TICKET

Prolerized New England Co.  
69 Rover Street  
Everett, MA 02149

Ticket # TAHMED  
Vehicle ID: SR

Date: 01/11/11  
Ship Date: 01/11/11

**RECEIVED**

Vehicle No: TK TAHMED

JAN 12 2011

Purchased From: SR0001  
S&R CORP  
706 BROADWAY STREET  
LOWELL, MA 01853  
**S & R Corporation**

Item	Shpmt Material	Gross	Tare	Pounds		Pd Wt
				Net	Adj	
1.	TAHMED #2 HMS Unprepared	93840a	52960c	41480	0	41480
Totals				41480	0	41480

Gross Wght Date/Time 01/11/11 09:00  
Tare Wght Date/Time 01/11/11 09:40

GROSS TONS  
18.5179

Weighmaster Signature

(Aaron McMahon)

Customer Signature

(All weights are reported in Pounds unless otherwise indicated)  
(All non-Pound weights are assumed to be manual weights)  
(a=Scale 1 b=Scale 2 c=Scale 3 d=Scale 4 m=Manual Weight)

**DISCLAIMER AND WAIVER OF LIABILITY**  
Disclaimer and Waiver of Liability for present and future deliveries. For mutual consideration the customer and driver acknowledge and assume the risk involved in discharging scrap metal in the yard. The customer and driver release and hold harmless Prolerized New England, its employees and its insurance carrier from any and all liability for damages both to person and property including but not limited to damage to motor vehicles while driving through the yard or loading or unloading scrap metal in the yard in connection with present and future delivery of scrap.

Job # 243 Sanford Me  
CC 112-0100 E Building Demolition



**Ticket # TAHTHP**

PURCHASE TICKET

Prolerized New England Co.  
69 Rover Street  
Everett, MA 02149

Ticket # TAHTHP  
Vehicle ID: SR  
Vehicle No: TK TAHTHP  
Purchased From: SR0001  
S&R CORP  
706 BROADWAY STREET  
LOWELL, MA 01853

Date: 01/10/11  
Ship Date: 01/10/11

**RECEIVED**

JAN 11 2011

**S & R Corporation**

Item	Shpmt Material	Gross	Tare	Pounds	
				Net	Adj Pd Wt
1.	TAHTHP #2 HMS Unprepared	87700b	57540c	30160	0 30160
Totals				30160	0 30160

Gross Wght Date/Time 01/10/11 09:16  
Tare Wght Date/Time 01/10/11 09:30  
GROSS TONS  
13.4643

Weighmaster Signature (Aaron McMahon)

Customer Signature

(All weights are reported in Pounds unless otherwise indicated)  
(All non-Pound weights are assumed to be manual weights)  
(a=Scale 1 b=Scale 2 c=Scale 3 d=Scale 4 m=Manual Weight)

**DISCLAIMER AND WAIVER OF LIABILITY**  
Disclaimer and Waiver of Liability for present and future deliveries. For mutual consideration the customer and driver acknowledge and assume the risk involved in discharging scrap metal in the yard. The customer and driver release discharge and hold harmless Prolerized New England, its employees and its insurance carrier from any and all liability for damages both to person and property including but not limited to damage to motor vehicles while driving through the yard or loading or unloading scrap metal in the yard in connection with present and future delivery of scrap.

Job 243 113-01705



**Ticket # TAHNKW**

PURCHASE TICKET

Prolerized New England Co.  
69 Rover Street  
Everett, MA 02149

Ticket # TAHNKW  
Vehicle ID: SR14  
Vehicle No: TK TAHNKW  
Purchased From: SR0001  
S&R CORP  
706 BROADWAY STREET  
LOWELL, MA 01853

Date: 01/07/11  
Ship Date: 01/07/11

**RECEIVED**

JAN 10 2011

**S & R Corporation**

Item	Shpmt Material	Gross	Tare	Pounds	
				Net	Adj Pd Wt
1.	TAHNKW TIN/LIGHT IRON	78760a	53280c	25480	0 25480
Totals				25480	0 25480

Gross Wght Date/Time 01/07/11 08:35  
Tare Wght Date/Time 01/07/11 08:50  
GROSS TONS  
11.3750

Weighmaster Signature (Josh Harrison)

Customer Signature

(All weights are reported in Pounds unless otherwise indicated)  
(All non-Pound weights are assumed to be manual weights)  
(a=Scale 1 b=Scale 2 c=Scale 3 d=Scale 4 m=Manual Weight)

**DISCLAIMER AND WAIVER OF LIABILITY**  
Disclaimer and Waiver of Liability for present and future deliveries. For mutual consideration the customer and driver acknowledge and assume the risk involved in discharging scrap metal in the yard. The customer and driver release discharge and hold harmless Prolerized New England, its employees and its insurance carrier from any and all liability for damages both to person and property including but not limited to damage to motor vehicles while driving through the yard or loading or unloading scrap metal in the yard in connection with present and future delivery of scrap.

WESTON & SAMPSON ENGINEERS, INC.  
100 International Drive, Suite 152  
Portsmouth, NH 03801  
(603) 431-3937

## SHOP DRAWING REVIEW MEMORANDUM

---

**TO:** S&R Corporation  
**FROM:** Weston & Sampson Engineers, Inc.  
**DATE:** February 03, 2011  
**PROJECT:** 2100577 Sanford, ME – Aerofab Mill Demolition  
**SUBJECT:** Transmittal No. 243-009 (Redline Asbuilt Drawing)  
Specification Section: 01770 – Project Closeout  
**COPIES TO:** NH Files, Project File 2100577 – 170, Sanford, ME

---

The following comments apply to shop drawing transmittal No. 243-009, Redline Drawing, and shall be considered part of that submittal.

The comments contained in this Shop Drawing Review Memorandum are intended for use as a guide towards submittal of an approvable shop drawing transmittal and are not intended to be used as a complete checklist of revisions or to supersede the Contract Documents.

The resubmittal of the subject transmittal listed above, if applicable, shall explicitly address the following in addition to any other deviations from the Contract Documents not addressed in this form.

**Item No.:** 1 – Redline Drawing  
**Review Code:** 1 – No Exceptions Taken

**Comments:**

None

P:\SANFORD ME\2100577 AEROFAB DEMO\170-SHOP DWGS\009- REDLINE ASBUILT DRAWING.DOC

Reviewed By: Michael Roether *MR* Date: 2/03/11

# LETTER OF TRANSMITTAL

243-009

**S&R Corporation**  
**706 Broadway Street**  
**Lowell, MA 01854**

**TEL: (978) 441-2000**  
**FAX: (978) 441-2002**

TO: Weston & Sampson Engineers DATE: 1/31/2011  
100 International Drive Suite 152 PROJECT: Aerofab Building Demolition  
Portsmouth, NH 03801 3 Aerofab Drive  
Sanford, ME 04073

ITEMS TRANSMITTED:

Shop Drawings	<input type="checkbox"/>	Specifications	<input checked="" type="checkbox"/>
Change Order Proposal	<input type="checkbox"/>	Plans	<input type="checkbox"/>
Submittal	<input checked="" type="checkbox"/>	Other	_____

COPIES	DATE	NO.	DESCRIPTION
1	1/31/2011		Construction Red Line Drawing

THESE ARE TRANSMITTED as checked below:

For approval	<input checked="" type="checkbox"/>	Approved as Submitted	<input type="checkbox"/>	<input type="checkbox"/> Return	_____ copies for approval
For your use	<input type="checkbox"/>	Approved as Noted	<input type="checkbox"/>	<input type="checkbox"/> Submit	_____ copies for distribution
As requested	<input type="checkbox"/>	Revise and Resubmit	<input type="checkbox"/>	<input type="checkbox"/> Return	_____ corrected prints
For review and comment	<input type="checkbox"/>	Other	<input type="checkbox"/>		

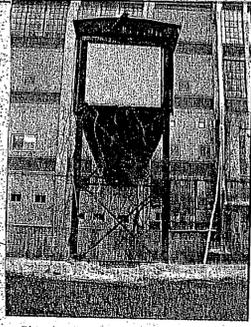
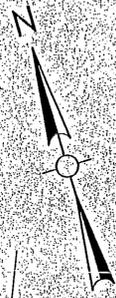
**FOR BIDS DUE:** \_\_\_\_\_

REMARKS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COPIES TO:  
File \_\_\_\_\_  
\_\_\_\_\_

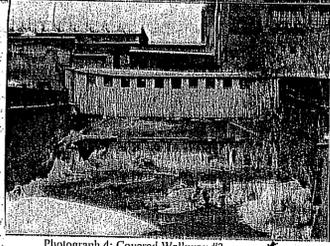
SIGNED:   
Thomas J. Guerette



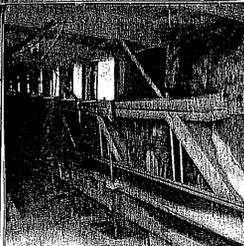
Photograph 1: Walkway 1 End Steel



Photograph 2: Walkway 2 - Masonry Support



Photograph 4: Covered Walkway #3



Photograph 3: Installed Steel Support

Bridge Under Construction By Others

Washington Street

Weaver Drive

Mousam River

Town of Sanford

Former Aerofab Building  
34,000 Square Feet

Pioneer Avenue

Now or Formerly/  
Surplus Business Assets, Inc.

Now or Formerly/  
The Stenton Trust

Now or Formerly/  
Eric & Jane Sharenow

Now or Formerly/  
Surplus Business Assets, Inc.

Now or Formerly/  
The High River Corporation

Regco, Inc.

Regco, Inc.

Now or Formerly/  
The High River Corporation

Now or Formerly/  
Town of Sanford

Right of Way

Right of Way

Fence with  
2 12' Gates

5' OF SCAB  
LEFT IN PLACE  
AS PER WFS

SECURE ENTRANCE WITH  
FENCE (SEE NOTE 3)  
DELETED BY WFS  
HAYBALES AND SILT FENCE TO BE INSTALLED  
ALONG THE PERIMETER OF BUILDING ADJACENT  
TO MOUSAM RIVER (SEE NOTE 4)

SECURE ENTRANCE  
WITH FENCE  
(SEE NOTE 3)  
DELETED BY  
WFS

WATER CUT & CAPPED WITH  
MECHANICAL BLOCK & THRUST BLOCK  
60" OFF CORNER OF BUILDING  
& 60" DEEP.

SEWER CUT IN MANHOLE  
VIA MASONRY PLUG

**SITE RESTORATION NOTES:**

1. CONTRACTOR SHALL REPAIR ANY DAMAGE TO ADJACENT BUILDINGS RESULTING FROM DEMOLITION ACTIVITIES AT NO ADDITIONAL EXPENSE TO THE OWNER.
2. CONTRACTOR SHALL CRUSH CLEAN ASPHALT, BRICK, AND CONCRETE (ABC) DEMOLITION DEBRIS ON-SITE FOR USE AS STRUCTURAL BACKFILL MATERIAL FOR DEMOLISHED BUILDING FOUNDATION EXCAVATIONS. ABC DEBRIS SHALL BE CRUSHED TO THE 1/4" ITS FOR SELECT BACKFILL (3-INCH MINUS) FOR THIS PURPOSE IN ACCORDANCE WITH SPECIFICATION SECTION 02220 - BUILDING DEMOLITION. SURPLUS CRUSHED MATERIAL SHALL BE PLACED AND COMPACTED TO THE FINISH GRADES INDICATED ON THE DRAWING (SEE NOTE 5).
3. FOLLOWING COMPLETION OF DEMOLITION ACTIVITIES, THE THREE (3) MOUSAM RIVER COVERED WALKWAYS AND SITE ENTRANCE SHALL BE SECURED WITH 8-FOOT CHAIN LINK FENCE AS INDICATED ON THE DRAWING.
4. CONTRACTOR SHALL INSTALL HAYBALES AND SILT FENCE ALONG THE PERIMETER WITH THE MOUSAM RIVER PRIOR TO COMMENCEMENT OF SITE RESTORATION ACTIVITIES. REFER TO SHEET C-4 FOR DETAILS OF HAYBALES AND SILT FENCE. CONTRACTOR SHALL LEAVE THESE HAYBALES/SILT FENCE IN PLACE UPON COMPLETION OF THE WORK OF THIS PROJECT, REPAIRING ANY DAMAGED AREAS OF HAYBALES/FENCING AS NECESSARY PRIOR TO CLOSEOUT OF PROJECT.
5. CONTRACTOR SHALL FINISH GRADE THE DEMOLISHED BUILDING FOOTPRINT AND ASSOCIATED DISTURBED AREAS SUCH THAT A 1% GRADE AWAY FROM THE MOUSAM RIVER AND TOWARDS THE STORMWATER CATCH BASIN LOCATED ALONG THE SOUTHERN EDGE OF PROPERTY. SPOT ELEVATIONS SHOWN ON THE DRAWING ARE PROVIDED FOR GUIDANCE PURPOSES IN ACHIEVING THE FINAL SLOPE GRADE.
6. THE TWO (2) STORMWATER CATCH BASIN (GRATES) AT THE SOUTHERN EDGE OF WORK SHALL BE PROTECTED AND REMAIN IN PLACE. THE RIMS MAY EXTEND ABOVE THE SURROUNDING GRADES. IF NEEDED, BACKFILL MATERIAL SHALL BE PLACED AROUND THE GRATES FOR PROTECTION.

**LEGEND:**

- III GATE
- OIL/WATER SEPARATOR
- SILENT MANHOLE
- CATCH BASIN
- UTILITY POLE
- RECOVERY WELL
- MANHOLE UNKNOWN TYPE
- MONITORING WELL
- OVERHEAD UTILITY LINES
- CONTRACTOR RIGHT OF WAY
- EXISTING AEROFAB BUILDING
- EXISTING BUILDING
- CONTOUR LINES
- SPOT ELEVATION (SEE NOTE 9)
- 8-FOOT CHAINLINK FENCE
- HAYBALES/SILT FENCE



TOWN OF SANFORD, MAINE  
FORMER AEROFAB BUILDING  
BUILDING DEMOLITION AND SITE RESTORATION

**AS BUILT CONSTRUCTION DETAILS**

708 Broadway Street - Lewiston, MA 01854

SCALE: AS SHOWN

CONTRACT: 2100577

DESIGN BY: PUS

APP. BY: DCH

FILE NO. 1

**C-3**

SHEET 5 OF 6

WESTON & SAMPSON ENGINEERS, INC.  
100 International Drive, Suite 152  
Portsmouth, NH 03801  
(603) 431-3937

## SHOP DRAWING REVIEW MEMORANDUM

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**TO:** S&R Corporation  
**FROM:** Weston & Sampson Engineers, Inc.  
**DATE:** February 03, 2011  
**PROJECT:** 2100577 Sanford, ME – Aerofab Mill Demolition  
**SUBJECT:** Transmittal No. 243-010 (Walkway Shoring)  
Specification Section: 02220 – Building Demolition  
**COPIES TO:** NH Files, Project File 2100577 – 170, Sanford, ME

---

The following comments apply to shop drawing transmittal No. 243-010, Walkway Shoring (including structural evaluation of each covered walkway), and shall be considered part of that submittal.

The comments contained in this Shop Drawing Review Memorandum are intended for use as a guide towards submittal of an approvable shop drawing transmittal and are not intended to be used as a complete checklist of revisions or to supersede the Contract Documents.

The resubmittal of the subject transmittal listed above, if applicable, shall explicitly address the following in addition to any other deviations from the Contract Documents not addressed in this form.

**Item No.:** 1 – Walkway Shoring Submittal

**Review Code:** 1 – No Exceptions Taken

**Comments:**

Shoring and structural evaluation approved based on the attached memorandum by Weston & Sampson's structural engineer. The Town shall be responsible to ensure that the owners of the structure attached to the opposite end of the walkways abide by the conditions of the Weston & Sampson memorandum.

P:\SANFORD ME\2100577 AEROFAB DEMO\170-SHOP DWGS\010- SHORING SUBMITTAL.DOC

Reviewed By: Michael Roether *MR* Date: 2/03/11

# Shop Drawing Transmittal

**Weston & Sampson**  
ENGINEERS, INC.

## Instructions for Preparing Transmittal

No action will be taken on any item unless accompanied by this form. Type or print all entries.

TRANSMTTAL NOS. to be consecutive (1, 2, 3, etc.).

Each resubmittal of same item shall use same number with suffix letter (A, B, etc.).

SPEC. SECT. NO.: Only one spec. section no. to each transmittal.

DESCRIPTION: Complete identification of document or group of documents.

SOURCE: Originator of document(s) being submitted.

Contractor to retain last copy. Submit original with two pink and two yellow copies.

TRANSMT. NO.

243-010

SPEC. SECT. NO.

DATE

2 / 13 / 11

THIS SECTION TO BE COMPLETED BY CONTRACTOR

CONTRACTOR'S JOB NO.

243

W&S JOB NO.

N-9

PROJECT NAME & CONTRACT NO.

*Perlab Mill Demolition*

LOCATION

*#3 Perlab Drive, Sanford, ME. 04073*

Attention: CSD  
Weston & Sampson Engineers, Inc.  
5 Centennial Drive  
Peabody, MA 01960-7985

(CONTRACTOR)  
*STR Corporation*  
*706 Broadway St. Lowell, MA*

ITEM NO.	DESCRIPTION	SOURCE	DRAWING NO. CATALOG NO. BROCHURE, ETC.	NO. OF COPIES	CONTRACT DRAWING REF.	ACTION CODE	BY W&S REVIEWED BY
1	<i>Shoring submittal - walkway bridges</i>	<i>STR corp</i>	<i>N/A</i>				
2							
3							
4							

THIS PARTIES THAT ALL ITEMS SUBMITTED HEREWITH HAVE BEEN CHECKED BY THE CONTRACTOR, ARE IN COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, EXCEPT AS NOTED, AND ARE APPROVED BY THE CONTRACTOR FOR THIS PROJECT.

SPECIAL INSTRUCTIONS:

THIS SECTION TO BE COMPLETED BY W&S

(FOR CONTRACTOR)  
SIGNATURE & TITLE: *Shaun Miller* Demolition Division Manager

- 1. NO EXCEPTIONS TAKEN
- 2. MAKE CORRECTIONS NOTED
- 3. AMEND AND RESUBMIT
- 4. REJECTED - SEE REMARKS
- 5. ACKNOWLEDGMENT

- a. INSTALLATION SHALL PROCEED ONLY WHEN ACTION CODE IS 1 OR 2
- b. ACTION CODES 3 SHALL BE RESUBMITTED WITHIN TIME LIMIT SET IN CONTRACT
- c. REVIEW DOES NOT RELIEVE CONTRACTOR FROM RESPONSIBILITY OF COMPLIANCE WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.

FIELD OFFICE  
REC'D BY: \_\_\_\_\_ DATE: / /

**Weston & Sampson**  
ENGINEERS, INC.  
BY: *Michael Keefe* DATE: *2/13/11*

**Please! BEAR DOWN WHEN HANDWRITING -- THIS IS A 6 COPY FORM & THE LAST COPY IS YOURS!**

# LETTER OF TRANSMITTAL

**243-010**

**S&R Corporation**  
**706 Broadway Street**  
**Lowell, MA 01854**

**TEL: (978) 441-2000**  
**FAX: (978) 441-2002**

<b>TO:</b> <u>Weston &amp; Sampson Engineers</u> <u>100 International Drive Suite 152</u> <u>Portsmouth, NH 03801</u>	<b>DATE:</b> <u>2/3/2011</u> <b>PROJECT:</b> <u>Aerofab Building Demolition</u> <u>3 Aerofab Drive</u> <u>Sanford, ME 04073</u>
---	--

**ITEMS TRANSMITTED:**

Shop Drawings	<input type="checkbox"/>	Specifications	<input type="checkbox"/>
Change Order Proposal	<input type="checkbox"/>	Plans	<input type="checkbox"/>
Submittal	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>

COPIES	DATE	NO.	DESCRIPTION
1			Shoring submittal

**THESE ARE TRANSMITTED as checked below:**

For approval	<input checked="" type="checkbox"/>	Approved as Submitted	<input type="checkbox"/>	<input type="checkbox"/> Return	_____ copies for approval
For your use	<input type="checkbox"/>	Approved as Noted	<input type="checkbox"/>	<input type="checkbox"/> Submit	_____ copies for distribution
As requested	<input checked="" type="checkbox"/>	Revise and Resubmit	<input type="checkbox"/>	<input type="checkbox"/> Return	_____ corrected prints
For review and comment	<input type="checkbox"/>	Other	<input type="checkbox"/>		

**FOR BIDS DUE:** \_\_\_\_\_

**REMARKS:**

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**COPIES TO:**  
 File \_\_\_\_\_  
 \_\_\_\_\_

**SIGNED:**   
 \_\_\_\_\_  
**Thomas J. Guerette**

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**CIVIL CONSULTANTS MEMORANDUM**

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---

**TO:** Thomas J. Guerette – Demolition Division Manager,  
S&R Corporation, 706 Broadway, Lowell, MA

**FROM:** Geoffrey R. Aleva, PE – Structural Engineer

**SUBJECT:** Aerofab Demolition Project – Temporary Support of  
Mousam River Covered Walkways

**DATE:** JANUARY 14, 2011

**PROJECT:** 11-100.00 FORMER AEROFAB BUILDING /  
SANFORD



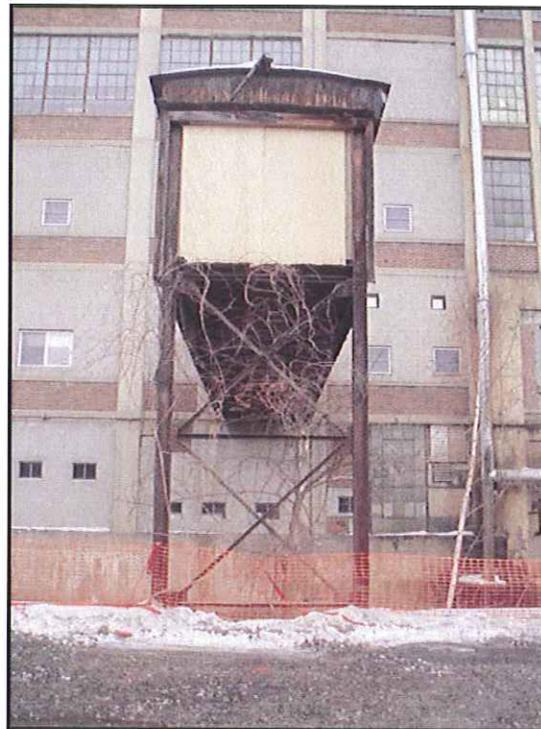
This memorandum provides information on the visual inspection and rehabilitation support requirements for the covered walkways over the Mousam River. As part of the project specifications, the walkways are to remain and evaluated prior to restricting public access. The walkways will be described starting with the walkway nearest to the dam. The walkways were not analyzed for structural capacity or load capacity, but reviewed to determine requirements to allow for their continued existence. The specifications do not indicate the timeframe for the protection of the structures. It is assumed that within the next 5 years the covered walkways will be remediated or replaced.

**Walkway 1: (Raised Steel Siding)**

This walkway is raised and provides access to the second floor of the adjacent structure.

This bridge is steel framed and supported on the Aerofab property by steel columns. The columns have cross bracing to provide lateral support of the structure.

This walkway does not require further structural stabilization at this time.



Photograph 1: Walkway 1 End Steel



**CIVIL  
CONSULTANTS**

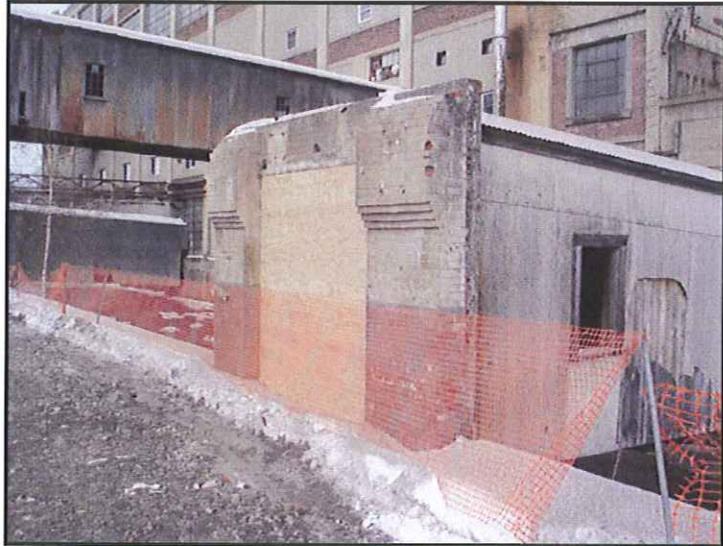
P.O. Box 100 South Berwick, Maine 03908 207-384-2550

**Walkway 2:**  
**(Center Walkway)**

This walkway is also framed with a steel truss.

The end of the truss on the Aerofab property is supported brick masonry piers. The masonry piers appear to be in good condition with little deterioration.

This walkway does not require further structural stabilization at this time.



Photograph 2: Walkway 2 – Masonry Support

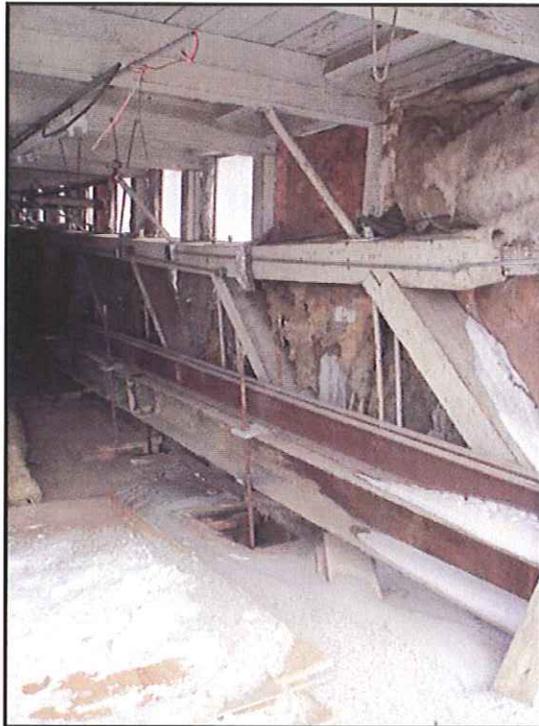
**Walkway 3: (Wood Framed)**

This covered bridge walkway is the worst condition and requires structural support to provide temporary support. This bridge is framed with a heavy timber truss that has been compromised due to lack of maintenance. The upstream truss has been protected and has not been exposed to the elements and does not need support.

The downstream truss has deteriorated and shows significant settlement.

The structural repairs provide support of the damaged timber truss by supporting the floor beams that frame into the truss.

The support is composed of steel HP12x53 beam with double C8x11.5 welded to the top of the HP section.



Photograph 3: Installed Steel Support



The timber floor beams are supported by a 3/4 inch thick steel plate that straddles the timber floor beam and is supported by two 1 inch diameter threaded rods attached to the HP section. These attachments are placed approximately 8 feet on center, corresponding with the timber floor beams.

The design loads for the threaded rod attachments are based on the following values and assumptions. Bridge truss spacing is approximately 10 feet. The floor beams are spaced approximately 8 feet on center.

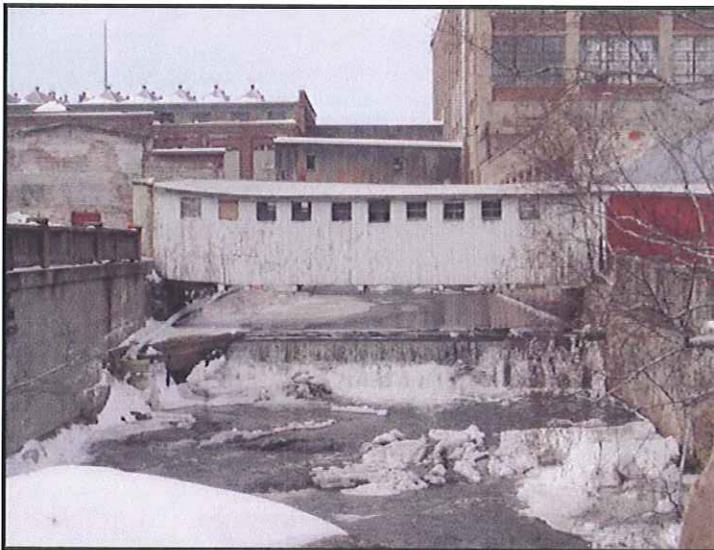
Assumed Design Loading:

- Snow Load: 40 psf
- Truss Dead Load: 10 psf /sf of wall
- Roof Dead Load: 12 psf
- Floor Dead Load: 12 psf
- Miscellaneous Live Load: 10 psf

The Design Load on each floor beam is approximately 3,600 pounds per connection.

The analysis of the steel section reveals that this steel support is adequate to support the loads listed above.

This repair is intended to provide support to the structure; it does not provide additional capacity for access across the structure. This structure is in poor condition and should not be utilized as a bridge crossing the Mousam River.



Photograph 4: Covered Walkway #3





Photograph 5: Threaded Rod through floor deck



Photograph 6: Threaded Rod (3/4 thick tab) welded to HP section



Photograph 7: Steel Beam end support

J:\aaa\2011\1110000\20110114-COVEREDWALK-REVIEW.doc



**CIVIL  
CONSULTANTS**

P.O. Box 100 South Berwick, Maine 03908 207-384-2550

## SITE VISIT MEMO

**TO:** Michael Roether, P.E.  
**FROM:** Rick Campbell  
**DATE:** January 19, 2011  
**TIME:** 12:00 PM  
**PROJECT:** Aerofab Demo –  
**PROJECT No.:** 2100577  
**SUBJECT:** Site Visit – Three Walkway Inspections & Review Shoring Installation  
**ATTENDEES:** Michael Roether & Rick Campbell  
**cc:** files

---

The purpose of the site visit was to view the condition of three covered walkways and to confirm the findings/recommendations that were made by Geoffrey R. Aleva, PE, Structural Engineer that were summarized in the letter report titled “Temporary Support of Mousam River Covered Walkways”, dated January 14, 2011. A copy of his report is attached to this Site Visit Memo for reference purposes.

Walkway No. 1 is an elevated walkway that was not accessible from the site, since the opening is elevated bulk headed off with plywood. The steel frame appeared to be structurally adequate and the main structure spanning the river does not show signs of distress.

Walkway No. 2 is an at-grade walkway, and was also not accessible, since the opening is bulk headed off with plywood. The main structure spanning the river does not show signs of distress.

Walkway No. 3 is an at-grade walkway, and was accessible to view the interior. As reported, the truss on the down stream side has failed and a shoring system was installed as described and photographed in the report. Given the fact that the structure is to remain “unoccupied” the temporary shoring should be adequate for the 5-year recommended life span.

Confirmation by the owner/ general contractor should be made for three items of concern since all 3 walkways are attached to an occupied building. (1) Access from the occupied building should be prevented by properly securing any doors and/or windows. (2) If the doors were previously used as a means of egress, a study should be done to demonstrate that the walkways are no longer required by the State Building Code. (3) Any exit signs should be removed and building occupants re-routed to an appropriate means of egress.

Departed 12:30 PM

Attachment: Letter Report "Temporary Support of Mousam River Covered Walkways", dated January 14, 2011

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**CIVIL CONSULTANTS MEMORANDUM**

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**TO:** Thomas J. Guerette – Demolition Division Manager,  
S&R Corporation, 706 Broadway, Lowell, MA

**FROM:** Geoffrey R. Aleva, PE – Structural Engineer

**SUBJECT:** Aerofab Demolition Project – Temporary Support of  
Mousam River Covered Walkways

**DATE:** JANUARY 14, 2011

**PROJECT:** 11-100.00 FORMER AEROFAB BUILDING /  
SANFORD



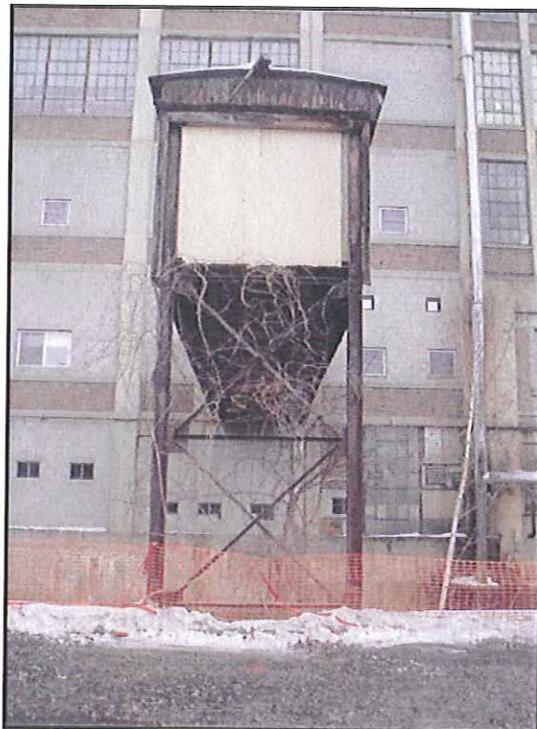
This memorandum provides information on the visual inspection and rehabilitation support requirements for the covered walkways over the Mousam River. As part of the project specifications, the walkways are to remain and evaluated prior to restricting public access. The walkways will be described starting with the walkway nearest to the dam. The walkways were not analyzed for structural capacity or load capacity, but reviewed to determine requirements to allow for their continued existence. The specifications do not indicate the timeframe for the protection of the structures. It is assumed that within the next 5 years the covered walkways will be remediated or replaced.

**Walkway 1: (Raised Steel Siding)**

This walkway is raised and provides access to the second floor of the adjacent structure.

This bridge is steel framed and supported on the Aerofab property by steel columns. The columns have cross bracing to provide lateral support of the structure.

This walkway does not require further structural stabilization at this time.



Photograph 1: Walkway 1 End Steel



**Walkway 2:**  
**(Center Walkway)**

This walkway is also framed with a steel truss.

The end of the truss on the Aerofab property is supported brick masonry piers. The masonry piers appear to be in good condition with little deterioration.

This walkway does not require further structural stabilization at this time.



Photograph 2: Walkway 2 – Masonry Support

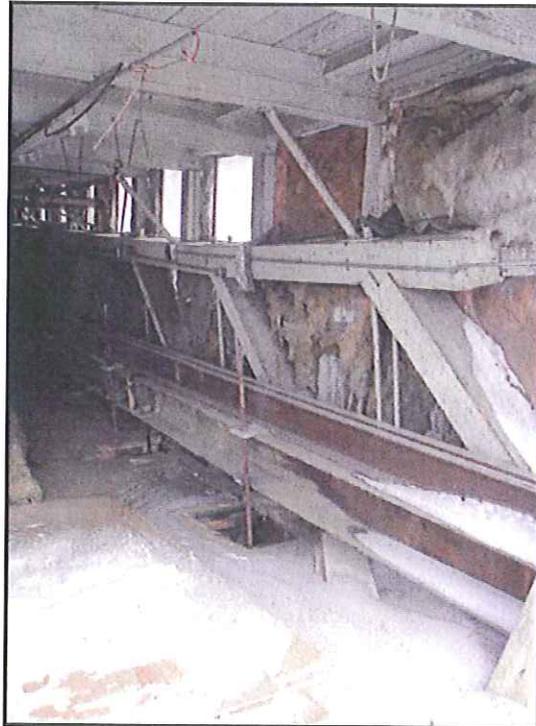
**Walkway 3: (Wood Framed)**

This covered bridge walkway is the worst condition and requires structural support to provide temporary support. This bridge is framed with a heavy timber truss that has been compromised due to lack of maintenance. The upstream truss has been protected and has not been exposed to the elements and does not need support.

The downstream truss has deteriorated and shows significant settlement.

The structural repairs provide support of the damaged timber truss by supporting the floor beams that frame into the truss.

The support is composed of steel HP12x53 beam with double C8x11.5 welded to the top of the HP section.



Photograph 3: Installed Steel Support



The timber floor beams are supported by a 3/4 inch thick steel plate that straddles the timber floor beam and is supported by two 1 inch diameter threaded rods attached to the HP section. These attachments are placed approximately 8 feet on center, corresponding with the timber floor beams.

The design loads for the threaded rod attachments are based on the following values and assumptions. Bridge truss spacing is approximately 10 feet. The floor beams are spaced approximately 8 feet on center.

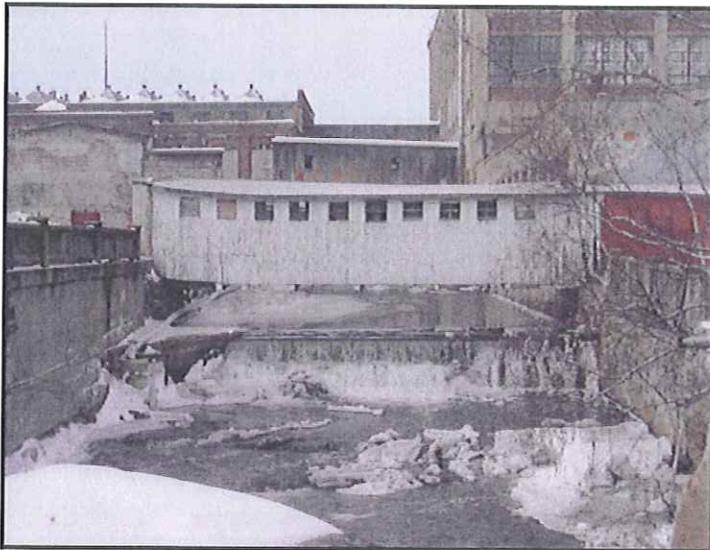
Assumed Design Loading:

- Snow Load: 40 psf
- Truss Dead Load: 10 psf /sf of wall
- Roof Dead Load: 12 psf
- Floor Dead Load: 12 psf
- Miscellaneous Live Load: 10 psf

The Design Load on each floor beam is approximately 3,600 pounds per connection.

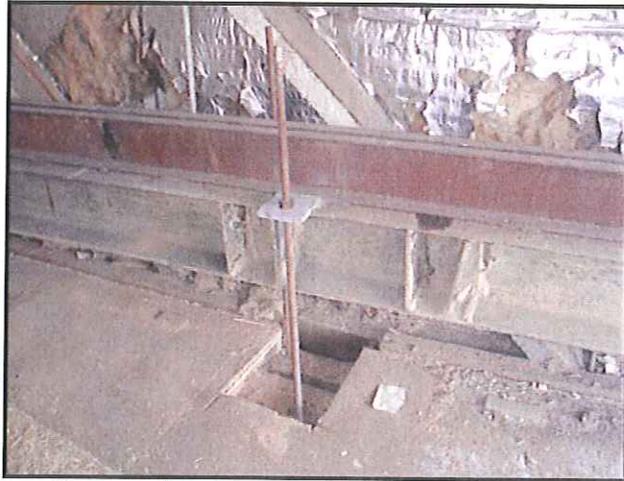
The analysis of the steel section reveals that this steel support is adequate to support the loads listed above.

This repair is intended to provide support to the structure; it does not provide additional capacity for access across the structure. This structure is in poor condition and should not be utilized as a bridge crossing the Mousam River.



Photograph 4: Covered Walkway #3





Photograph 5: Threaded Rod through floor deck



Photograph 6: Threaded Rod (3/4 thick tab) welded to HP section



Photograph 7: Steel Beam end support

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CONSULTANTS**

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