

# CUSHING, JAMMALLO & WHEELER, INC.

August 2, 2011  
File No. 5506

Town of Sterling  
c/o 1835 Town Hall Committee  
Old Town Hall  
31 Main Street  
Sterling, Massachusetts 01564  
Attn: Vernon Gaw

**Re: Preliminary Asbestos Inspection Report &  
Lead Based Paint Survey  
Old Town Hall  
31 Main Street  
Sterling, MA**

Dear Mr. Gaw:

In accordance with the Cushing, Jammallo & Wheeler, Inc. (CJW) proposal to the Town of Sterling dated June 21, 2011, this Preliminary Asbestos Inspection Report (PAIR) and Lead Based Paint (LBP) survey, and the attached analytical reports, document the results of the inspection activities conducted by CJW at the Old Town Hall located at 31 Main Street (the "site"), in Sterling, Massachusetts.

### **Bulk Sampling Activities**

A preliminary investigation was performed for asbestos containing materials (ACM) and LBP at the site building that would require special handling and disposal procedures. The asbestos and LBP survey was performed by Mr. James Bennett of CJW, who is a Massachusetts licensed asbestos inspector (MA License No. A1000387). CJW conducted the bulk asbestos sampling activities in accordance with the methodology described in the United States Environmental Protection Agency (USEPA) guidance document titled "Guidance for Controlling Asbestos-Containing Materials in Buildings" (Document No. 560/5-85/024).

On June 21, 2011, during a site meeting prior to the initiation of inspection and sampling activities, Mr. Gaw requested that CJW focus the ACM and LBP survey on two specific areas which are potentially slated for demolition or renovation. Based upon the conversation with Mr. Gaw, the 1835 Town Hall Committee is currently reviewing plans for the installation of an elevator adjacent to the southeast portion of the site building in the vicinity of the existing fire escape, and improving the main stairwell located within the southwest corner of the building. In addition, CJW was instructed to collect additional samples from within the accessible portions of the Old Town Hall building in accordance with CJW's proposal.

### **Laboratory Analysis**

CJW collected a total of 38 samples of suspect ACM (designated ACM-1 through ACM-38) and a total of 23 samples of suspect LBP (designated LBP-1 through LBP-23) from the interior and exterior portions of the site building as part of this survey. The bulk asbestos samples and suspect LBP samples were submitted under separate chains of custody to ProScience Analytical Services, Inc. (ProScience) of Woburn, MA, which is a Massachusetts accredited analytical laboratory. The asbestos samples were tested in accordance with the United States Environmental Protection Agency (USEPA) "Method for the Determination of Asbestos in Bulk Building Materials" and were analyzed by Polarized Light Microscopy (PLM) which is a technique that utilizes the refractive indices, fiber morphology, birefringence, extinction angle, signs of elongation, and dispersion staining colors to detect asbestos. The LBP samples were analyzed by ProScience in accordance with USEPA Method SW 846-7420/3051, with results reported for lead only.

Copies of the analytical reports are included as Appendix A. The asbestos and LBP analytical results are summarized in Tables 1 and 2, respectively.

### **Analytical Results for Bulk Asbestos Samples**

The USEPA defines ACM as any material that contains greater than 1 percent (1%) asbestos. The results of the PAIR indicate that all of the 38 samples collected were found to be non-asbestos containing materials.

### **Analytical Results for Lead Based Paint Samples**

According to the USEPA, any detectable lead in paint makes it lead paint for the purpose of complying with Occupational Safety and Health Administration (OSHA) regulations in order to determine exposures to workers. Based upon the analytical results, a total of 15 of the 23 paint samples analyzed contained detectable concentrations of lead.

According to the analytical results:

- Sample LBP-2 obtained from the white siding paint on the southern exterior side of the building contained 32.82 milligrams per kilogram (mg/kg) of lead. [Please note that mg/kg can also be expressed in parts per million (ppm)]
- Sample LBP-3 obtained from the red paint adhered to the exterior brick foundation contained lead at a concentration of 0.92 mg/kg.
- Sample LBP-4 obtained from the back paint on the exterior wood garage type doors contained lead at a concentration of 0.03 mg/kg.
- Sample LBP-5 obtained from the green wall paint on the third floor balcony contained 1.29 mg/kg of lead.
- Sample LBP-6 obtained from the white paint on fiber board on the third floor balcony contained lead at a concentration of 0.27 mg/kg.
- Sample LBP-7 obtained from the dark green trim on the chair rail on the second floor auditorium contained lead at a concentration of 0.21 mg/kg.

- Sample LBP-9 obtained from the white paint on the window sill in the first floor function room (Room 3) contained lead at a concentration of 0.30 mg/kg.
- Sample LBP-12 obtained from the white paint on the column in the first floor function room (Room 3) contained lead at a concentration of 0.05 mg/kg.
- Sample LBP-13 obtained from within several trash bags stored within the basement contained lead at a concentration of 2.41 mg/kg.
- Sample LBP-15 collected from the white paint on the window sill in the stairwell at the basement level contained lead at a concentration of 10.54 mg/kg.
- Sample LBP-16 obtained from the grey paint on the window sill in the stairwell at the basement level contained lead at a concentration of 16.93 mg/kg.
- Sample LBP-20 obtained from the white paint on the window trim between the first and the second floors in the stairwell contained lead at a concentration of 0.09 mg/kg.
- Sample LBP-21 obtained from the yellow paint on the wallboard in the second floor storage room contained lead at a concentration of 0.06 mg/kg.
- Sample LBP-22 obtained from the white paint on the window frame in the ladies bathroom located on the first floor contained lead at a concentration of 0.09 mg/kg.
- Sample LBP-23 obtained from the green paint on the window sill in the ladies bathroom on the first floor contained lead at a concentration of 0.82 mg/kg.

No other samples contained lead at concentrations equal to or in excess of the laboratory detection limits. Refer to the attached photographs (Appendix B) of the locations of the aforementioned paint samples reported to contain lead. The photos are presented in the order in which they are discussed above.

### **Recommendations**

As previously mentioned, CJW was provided access to the entire site with a few exceptions, such as the roof, Room #2, Room #4, and the Storage Room located on the first floor. Furthermore, since the building is currently in use, no destructive testing and no penetration of the exterior and interior walls was conducted at the site. Therefore, CJW recommends that additional samples be collected from those portions of the building not included as part of this PAIR and LBP Survey prior to initiation of demolition or renovation at the site. The results of future sampling and testing activities should be documented in a Final Asbestos Inspection Report (FAIR) and provided to those persons conducting the demolition and/or renovation so that steps can be taken to minimize potential exposures to LBP and ACM by site workers and the public. Furthermore, CJW recommends that if any suspect ACM or LBP materials are discovered prior to, or during demolition and renovation activities, these materials be sampled and analyzed for asbestos and LBP content.

### **Limitations and Conditions**

For the purpose of this PAIR and LBP Survey, penetration of the roof of the site building was not conducted. Since CJW does not perform destructive testing through the use of power tools or heavy equipment. Sampling was limited to accessible areas within and at the exterior of the site building. As such, no penetration beyond the exterior wall board surfaces into the interior

walls was conducted. Samples were not collected from within the building envelope, exterior building cavity, below and behind concrete and masonry floors, walls and ceilings/roofs. CJW's survey also does not include an evaluation of potential underground utilities such as asbestos cement water or sewer piping, lead piping, underground steam lines, or subsurface foundation damp-proofing that may be present at the site. In addition, CJW did not have access to Room #2, Room #4, and the Storage Room located on the first floor of the site building as these rooms were locked during the sampling activities. All other areas not specifically mentioned herein were accessible to CJW, and no other sample collection was deferred.

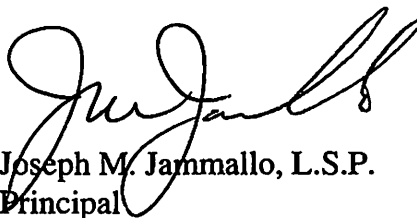
Please don't hesitate to contact either of the undersigned at (978) 368-6320 if you have any questions.

Sincerely

**CUSHING, JAMMALLO & WHEELER, INC.**



James A. Bennett, A.I.  
Project Manager



Joseph M. Jammallo, L.S.P.  
Principal

**ATTACHMENTS:**

**TABLES**

- Table 1 Asbestos Bulk Sample Analytical Results
- Table 2 Lead Based Paint Analytical Results

**APPENDICES**

- Appendix A Copies of Laboratory Analytical Results
- Appendix B Photographs

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*TABLES*

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**Table 1**  
**Asbestos Bulk Sample Analytical Data**

**Old Town Hall Municipal Building**  
**31 Main St.**  
**Sterling, Massachusetts**

**Laboratory Analytical Results**

Sample Identification	Date	Location	Material Description	Concentration (% asbestos)	Type of Asbestos
ACM-1	7/21/2011	Third Floor Balcony Roof	Felt Paper	ND	NA
ACM-2	7/21/2011	Third Floor Balcony Attic	Horseshair Plaster Wallboard	ND	NA
ACM-3	7/21/2011	Third Floor Balcony Ceiling	Horseshair Plaster	ND	NA
ACM-4	7/21/2011	Second Floor Auditorium	Sheetrock	ND	NA
ACM-5	7/21/2011	Second Floor Auditorium	Drop Ceiling Tile	ND	NA
ACM-6	7/21/2011	First Floor Function Room 3	Exterior Wallboard Paper	ND	NA
ACM-7	7/21/2011	First Floor Function Room 3	Interior Wallboard	ND	NA
ACM-8	7/21/2011	First Floor Function Room 3	Yellow Drop Ceiling Tile	ND	NA
ACM-9	7/21/2011	First Floor Function Room 3	Puity in Column Crack	ND	NA
ACM-10	7/21/2011	First Floor Function Room 3	Carpet Mastic	ND	NA
ACM-11	7/21/2011	First Floor Function Room 3	Tile Beneath Carpet	ND	NA
ACM-12	7/21/2011	First Floor Function Room 3	Mastic Beneath Tile	ND	NA
ACM-13	7/21/2011	Basement AST Room	Exterior Wallboard Paper	ND	NA
ACM-14	7/21/2011	Basement AST Room	Interior Wallboard	ND	NA
ACM-15	7/21/2011	Stairwell Basement/First Floor	Exterior Wallboard Paper	ND	NA
ACM-16	7/21/2011	Stairwell Basement/First Floor	Interior Wallboard	ND	NA
ACM-17	7/21/2011	Stairwell Emergency Exit Landing	Floor Tile	ND	NA
ACM-18	7/21/2011	Stairwell Emergency Exit Landing	Mastic Beneath Tile	ND	NA
ACM-19	7/21/2011	Stairwell First Floor/ Second Floor	Exterior Wallboard Paper	ND	NA
ACM-20	7/21/2011	Stairwell First Floor/ Second Floor	Interior Wallboard	ND	NA
ACM-21	7/21/2011	Stairwell	Ceiling Tile	ND	NA
ACM-22	7/21/2011	Stairwell First Floor/ Second Floor	Mastic Beneath Kickplate	ND	NA
ACM-23	7/21/2011	First Floor Room 1	Tile Beneath Carpet	ND	NA
ACM-24	7/21/2011	First Floor Room 1	Mastic Beneath Tile	ND	NA
ACM-25	7/21/2011	Second Floor Storage Room	Floor Tile	ND	NA
ACM-26	7/21/2011	Second Floor Storage Room	Mastic Beneath Tile	ND	NA
ACM-27	7/21/2011	First Floor Function Room 3	White Drop Ceiling Tile	ND	NA
ACM-28	7/21/2011	Basement Boiler Room	Fireproof Ceiling Exterior	ND	NA
ACM-29	7/21/2011	Basement Boiler Room	Fireproof Ceiling Interior	ND	NA
ACM-30	7/21/2011	First Floor Mop Room	Paper Backing Under Tile	ND	NA
ACM-31	7/21/2011	First Floor Mop Room	Plaster in Wall	ND	NA
ACM-32	7/21/2011	First Floor Foyer	Tile Adjacent to Entrance	ND	NA
ACM-33	7/21/2011	First Floor Foyer	Mastic Beneath Tile	ND	NA
ACM-34	7/21/2011	First Floor Foyer	Leveling Compound	ND	NA
ACM-35	7/21/2011	First Floor Ladies Room	Spackle Behind Tile	ND	NA
ACM-36	7/21/2011	First Floor Ladies Room	Sheetrock	ND	NA
ACM-37	7/21/2011	First Floor Halway Adjacent Room 3	Sheetrock	ND	NA
ACM-38	7/21/2011	Stairwell First Floor/ Second Floor	Mastic Beneath Stairwell Tread	ND	NA

Type of Survey: Asbestos bulk sample of building materials and thermal system insulation in basement of residence  
 Analyzed by: Polarized Light Microscopy (PLM) Analysis of Building Material  
 Comments: Asbestos Response Actions Required for Materials 1% or Greater.  
 Refer to US-EPA-NESHAPS Regulation to Determine Material, Category, Removal, procedurus  
 Analyzed by: Pro-Science Analytical Services, Inc  
 Collected by: James A. Bennett- MA-DOS Asbestos Inspector- License No. A1000387  
 NA - Not Applicable ND - Non Detect (0%)

**Table 2  
Lead Based Paint Sample Analytical**

**Old Town Hall Municipal Building  
31 Main St.  
Sterling, Massachusetts**

**Laboratory Analytical Results**

Sample Identification	Date	Location	Material Description	Concentration (mg/kg)
LBP-1	7/21/2011	Exterior of Building	Black Fire Escape Paint	BDL
LBP-2	7/21/2011	Exterior of Building	White Siding Paint	32.82
LBP-3	7/21/2011	Exterior of Building	Red Paint on Brick Foundation	0.92
LBP-4	7/21/2011	Exterior of Building	Black Paint Garage Door	0.03
LBP-5	7/21/2011	3rd Floor Balcony	Green Paint	1.29
LBP-6	7/21/2011	3rd Floor Balcony	White Paint on Fiber Board	0.27
LBP-7	7/21/2011	2nd Floor Auditorium	Dark Green Trim Choir Rail	0.21
LBP-8	7/21/2011	2nd Floor Auditorium	Light Green Paint	BDL
LBP-9	7/21/2011	1st Floor Function Room 3	White Paint on Window Sill	0.30
LBP-10	7/21/2011	1st Floor Function Room 3	Beige Choir Rail / Moulding	BDL
LBP-11	7/21/2011	1st Floor Function Room 3	White Wall Board	BDL
LBP-12	7/21/2011	1st Floor Function Room 3	Column White Paint	0.05
LBP-13	7/21/2011	Basement	Trash Bags by AST	2.41
LBP-14	7/21/2011	Basement Level Stain Well	White Paint on Red Brick	BDL
LBP-15	7/21/2011	Basement Level Stairwell	White Window Sill	10.54
LBP-16	7/21/2011	Basement Level Stairwell	Grey Window Sill	16.93
LBP-17	7/21/2011	Stairwell	Eggshell Trim Emergency Exit	BDL
LBP-18	7/21/2011	Emergency Exit Landing Stairwell	Green Wallboard	BDL
LBP-19	7/21/2011	1st to 2nd Floor Stairwell Wallboard	Eggshell White Wallboard	BDL
LBP-20	7/21/2011	1st to 2nd Floor Stairwell	Window Trim	0.09
LBP-21	7/21/2011	2nd Floor Storage Room	Yellow Wallboard Paint	0.06
LBP-22	7/21/2011	1st Floor Ladies Room	White Window Frame	0.09
LBP-23	7/21/2011	1st Floor Ladies Room	Green Window Sill	0.82

Type of Survey: Lead Based Paint samples obtained from site building at 31 Main St, Sterling, MA (Old Town Hall)  
Analytical Method: USEPA Method SW-846/7420/3051  
Analyzed by: Pro-Science Analytical Services, Inc -  
Comments: USEPA considers any detectable lead in paint to be considered as "lead paint" for the purpose of complying with OSHA regulations  
NA: Not Applicable  
mg/kg: Milligrams per kilogram  
BDL: Below Detection Limit

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*APPENDIX A*

*COPIES OF LABORATORY ANALYTICAL REPORTS*

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# ProScience Analytical Services, Inc.



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## PLM Asbestos Chain of Custody Record

Turn Around Time Requested

LABORATORY/HEADQUARTERS

www.proscience.net

22 Cummings Park, Woburn, MA 01801

general@proscience.net

T:781-935-3212 F:781-932-4857

Same day  24 Hour  48 Hour  72 Hour  5 Days

Client: Christy Jannillo + Wheeler  
 Address: 464 High St. Woburn MA 01810  
 Project Site & Number: 31 Main St Sterling MA Town Hall  
 Phone / FAX Number: (978) 368-6220 / (978) 368-6121  
 Contact: Jamie Bennett jbennett@cjw-euv.com

Relinquished by/date: Kevin Thompson 7/21/11

Received by/date: \_\_\_\_\_

Samples received: \_\_\_\_\_ Analyzed: \_\_\_\_\_

Faxed, E-mailed, Verbal by/date: \_\_\_\_\_

Stop on first positive: Yes \_\_\_\_\_ No \_\_\_\_\_

For Lab Use> Batch Number

B76 388

Analyzed by/date: Dan Fine 8/1/11

QC by/date: \_\_\_\_\_

Lab ID	Field ID Sampled date	Description / Location	Stereo Scope		Optical Properties					RI		Asbestos Percentage (%)					Non Asbestos Percentage (%)										
			% Asbestos	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous
ACM-7	7/21/11	Function Room (Room 3) Interior Wall Board	0	W	H	F	FT													5	5						90
ACM-8	7/21/11	Function room (Room 3) Yellow ceiling panel	0	M	EN	F	FT													40	40						20
ACM-9	7/21/11	Function room (Room 3) Putty in column crack	0	T	Y	B	FT																				100
ACM-10	7/21/11	Function room (Room 3) carpet mastic	0	T	Y	R	N																				100
ACM-11	7/21/11	Function room (Room 3) tile beneath carpet	0	R	B	Y	G																				80
ACM-12	7/21/11	Function Room (Room 3) mastic beneath tile	0	B	K	Y	F																				50

Comments: Birefringence L= less than .010, M= .011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1- 242277, 229027, 235000, 230663

Laboratory uses the EPA or ELAP point count method as appropriate

For complete information about our services and locations please visit us at www.proscience.net or call the numbers above.

Revised on 4/7/09







PLM Asbestos Chain of Custody Record

Turn Around Time Requested

LABORATORY/HEADQUARTERS

www.proscience.net

22 Cummings Park, Woburn, MA 01801

general@proscience.net

T:781-935-3212 F:781-932-4857

Same day  24 Hour  48 Hour  72 Hour  5 Days

Client: Cushing Jammallo & Wheeler  
 Address: 464 High St Clinton MA 01510  
 Project Site & Number: 31 Maple St Sterling MA Town Hall  
 Phone / FAX Number: (413) 368-6320 / (413) 368-6121  
 Contact: Jamie Bennett jrbennett@cjr env.com

Relinquished by/date: Kevin Thompson 7/21/11  
 Received by/date: \_\_\_\_\_  
 Samples received: \_\_\_\_\_ Analyzed: \_\_\_\_\_  
 Faxed, E-mailed, Verbal by/date: \_\_\_\_\_  
 Stop on first positive: Yes \_\_\_\_\_ No \_\_\_\_\_

For Lab Use> Batch Number

B76388

Analyzed by/date: P. Stone 8/1/11

QC by/date: \_\_\_\_\_

Lab ID	Field ID Sampled date	Description / Location	Stereo Scope					Optical Properties					Asbestos Percentage (%)						Non Asbestos Percentage (%)						
			% Asbestos	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous
	LCM-25 7/21/11	Storage room tile/ 2nd floor	0	B	K	Y	R	W																	100
	LCM-26 7/21/11	Storage room mastic/ 2nd floor	0	B	K	Y	T	N											W						90
	LCM-27 7/21/11	White ceiling tile/ 1st floor function room (room 3)	0	M	C	N	F	F											I	W					20
	LCM-28 7/21/11	Fireproof ceiling in boiler room/ (exterior) Basement	0	G	Y	N	G	N																	100
	LCM-29 7/21/11	Fireproof ceiling in boiler room (interior) / Basement	0	G	Y	N	G	N																	100
	LCM-30 7/21/11	Paper backing under tile in mop room / 1st floor	0	B	R	Y	F	F												W					100

Comments: Birefringence L= less than .010, M= .011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1-242277, 229027, 235000, 230663

Laboratory uses the EPA or ELAP point count method as appropriate

# ProScience Analytical Services, Inc.


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## PLM Asbestos Chain of Custody Record

Turn Around Time Requested

LABORATORY/HEADQUARTERS

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22 Cummings Park, Woburn, MA 01801

general@proscience.net

T:781-935-3212 F:781-932-4857

Same day  24 Hour  48 Hour  72 Hour  5 Days

Client: CUSHING Jammallo + Wheeler  
 Address: 464 High St CLINTON MA 01510  
 Project Site & Number: 31 MAIN ST. SPREADING MA TOWN HALL  
 Phone / FAX Number: (978) 368-6320 / (978) 368-6121  
 Contact: Jamie Bennett ; jbennett@cw-wjw-com

Relinquished by/date: KAREN THOMPSON 7/21/11  
 Received by/date: \_\_\_\_\_  
 Samples received: \_\_\_\_\_ Analyzed: \_\_\_\_\_  
 Faxed, E-mailed, Verbal by/date: \_\_\_\_\_  
 Stop on first positive: Yes \_\_\_\_\_ No \_\_\_\_\_

For Lab Use> Batch Number

B76388

Analyzed by/date: [Signature] 8/1/11

QC by/date: \_\_\_\_\_

Lab ID	Field ID Sampled date	Description / Location	Stereo Scope					Optical Properties				RI	Asbestos Percentage (%)					Non Asbestos Percentage (%)										
			% Asbestos	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence		Pleochroism	Chrysotile	Amosite	Cruciolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous		
ACM-31	7/21/11	Plaster in wall board of mop room / 1st floor	0	M	C	N	E																		60	40		
ACM-32	7/21/11	tile adjacent to entrance / 1st floor	0	T	Y	W	N																			98		
ACM-33	7/21/11	Mastic under tile to entrance / 1st floor	0	B	K	Y	T	N																	2	98		
ACM-34	7/21/11	Leveling compound entrance / 1st floor	0	G	Y	W	N																			100		
ACM-35	7/21/11	Spackle behind tile in Ladies room / 1st floor	0	W	H	Y	G	N																		100		
ACM-36	7/21/11	Sheetrock Ladies room / 1st floor	0	W	H	N	E	N																		TR	2	98

**Comments:** Birefringence L= less than .010, M= .011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1- 242277, 229027, 235000, 230663 Laboratory uses the EPA or ELAP point count method as appropriate

PLM Asbestos Chain of Custody Record



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general@proscience.net

Same day  24 Hour  48 Hour  72 Hour  5 Days

Client: Cushing Jannalio & Wheeler  
Address: 464 High St Clinton MA 01510  
Project Site & Number: 31 Main St Sterling MA Town Hall  
Phone / FAX Number: (978) 368-6320 / (978) 368-6121  
Contact: JAMIE BENNETT jbennett@cjh-ann.com

Relinquished by/date: Karen Thompson 7/21/11  
Received by/date: \_\_\_\_\_  
Samples received: \_\_\_\_\_ Analyzed: \_\_\_\_\_  
Faxed, E-mailed, Verbal by/date: \_\_\_\_\_  
Stop on first positive: Yes \_\_\_\_\_ No \_\_\_\_\_

For Lab Use> Batch Number

B76388

Analyzed by/date: Dan Kane 8/1/11

QC by/date: \_\_\_\_\_

Lab ID	Field ID Sampled date	Description / Location	Stereo Scope		Optical Properties					RI		Asbestos Percentage (%)						Non Asbestos Percentage (%)										
			% Asbestos	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous	
	<u>NM-37</u> <u>7/21/11</u>	<u>Sheetrock hallway adjacent to Room 3 / 1<sup>st</sup> floor</u>	<u>0</u>	<u>W</u>	<u>H</u>	<u>F</u>	<u>P</u>													<u>2</u>	<u>5</u>						<u>93</u>	
	<u>NM-38</u> <u>7/21/11</u>	<u>Mastic beneath stairwell tread / stairwell hallway</u>	<u>0</u>	<u>P</u>	<u>K</u>	<u>R</u>	<u>Y</u>	<u>R</u>																			<u>100</u>	

Comments: Birefringence L= less than .010, M= .011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1-242277, 229027, 235000, 230663 Laboratory uses the EPA or ELAP point count method as appropriate



**ProScience Analytical Services, Inc.**  
22 Cummings Park, Woburn, MA 01801

Telephone: 781-935-3212  
Facsimile: 781-932-4857  
Email: [chemistry@proscience.net](mailto:chemistry@proscience.net)

### Laboratory Report

**Contact:** Joseph Jammallo  
**Client:** Cushing Jammallo & Wheeler, Inc.  
**Address:** 464 High Street  
Clinton, MA 01510

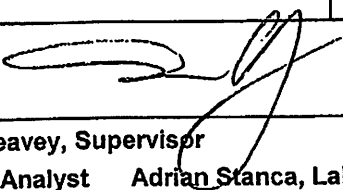
**Batch #:** C 266106  
**Date received:** 7/26/2011  
**Date analyzed:** 7/27/2011  
**Date of report:** 7/27/2011

AIHA Lab ID: 102754

**Project #** 5506  
**P.O.#** n/a  
**Project Site:** 31 Main St. Town Hall  
Sterling, MA

**Lead Analysis In Paint Using SW846-7420/3051**  
Results in weight percent on an "as received" wet weight basis

Lab ID	Client ID	Sample date	Description	Result	Detection Limit	Comments
C 402300	LBP-1	7/21/11	Fire Escape Black Paint/ Exterior	BDL	0.03	
C 402301	LBP-2	7/21/11	White Siding Paint/ Exterior	32.82	0.01	
C 402302	LBP-3	7/21/11	Red Paint Brick Foundantion/ Exterior	0.92	0.02	
C 402303	LBP-4	7/21/11	Black Paint Garage Door/ Exterior	0.03	0.02	
C 402304	LBP-5	7/21/11	Green Paint/3rd Floor Balcony	1.29	0.01	
C 402305	LBP-6	7/21/11	White Paint on Fiber Board/ 3rd Fl Balcony	0.27	0.02	
C 402306	LBP-7	7/21/11	Dark Green Trim Choir Rail/ 2nd Floor Auditorium	0.21	0.04	
C 402307	LBP-8	7/21/11	Light Green Paint Wallboard/2nd Fl Auditorium	BDL	0.05	
C 402308	LBP-9	7/21/11	White Paint Window Sill/1st Fl Function Room 3	0.30	0.02	
C 402309	LBP-10	7/21/11	Beige Choir Rail/Moulding/1st Fl Function Room 3	BDL	0.03	

  
\_\_\_\_\_  
**Simona Peavey, Supervisor**  
**Dan Pine, Analyst    Adrian Stanca, Lab Director**

Page 1 of 3

Unless otherwise indicated, all samples were received in acceptable condition.  
All result apply only to the samples as received and are accurate to no more than three significant figures.  
Unless otherwise indicated, all the quality control criteria for the method above have been met.  
BDL - Below Detection Limit    Note on units: mg/Kg is the same as ppm by weight.





**ProScience Analytical Services, Inc.**  
22 Cummings Park, Woburn, MA 01801

Telephone: 781-935-3212  
Facsimile: 781-932-4857  
Email: [chemistry@proscience.net](mailto:chemistry@proscience.net)

### Laboratory Report

**Contact:** Joseph Jammallo  
**Client:** Cushing Jammallo & Wheeler, Inc.  
**Address:** 464 High Street  
Clinton, MA 01510

**Batch #:** C 266106  
**Date received:** 7/26/2011  
**Date analyzed:** 7/27/2011  
**Date of report:** 7/27/2011

**Project #** 5506  
**P.O.#** n/a  
**Project Site:** 31 Main St. Town Hall  
Sterling, MA

**AIHA Lab ID:** 102754

**Lead Analysis In Paint Using SW846-7420/3051**  
Results in weight percent on an "as received" wet weight basis

Lab ID	Client ID	Sample date	Description	Result	Detection Limit	Comments
C 402310	LBP-11	7/21/11	White Wall Board/1st Fl Function Rm 3	BDL	0.01	
C 402311	LBP-12	7/21/11	Column White Paint/1st Fl Function Rm 3	0.05	0.01	
C 402312	LBP-13	7/21/11	Trash Bags By Ast/Basement	2.41	0.03	
C 402313	LBP-14	7/21/11	White Paint on Red Brick/basement Level Stain Well	BDL	0.02	
C 402314	LBP-15	7/21/11	White Window Sill/Basement Level Stairwell	10.54	0.03	
C 402315	LBP-16	7/21/11	Grey Window Sill/Basement Level Stairwell	16.93	0.03	
C 402316	LBP-17	7/21/11	Eggshell Trim Emergency Exit/Stairwell	BDL	0.02	
C 402317	LBP-18	7/21/11	Green Wallboard/Emergency Exit Landing Stairwell	BDL	0.02	
C 402318	LBP-19	7/21/11	Eggshell White on 1st/2nd Floor Wallboard/Stairwell	BDL	0.01	
C 402319	LBP-20	7/21/11	Window Trim 1st/2nd Floor Stairwell	0.09	0.03	

  
\_\_\_\_\_  
**Simona Peavey, Supervisor**  
**Dan Pine, Analyst    Adrian Stanca, Lab Director**

Page 2 of 3

Unless otherwise indicated, all samples were received in acceptable condition.  
All result apply only to the samples as received and are accurate to no more than three significant figures.  
Unless otherwise indicated, all the quality control criteria for the method above have been met.  
BDL - Below Detection Limit    Note on units: mg/Kg is the same as ppm by weight.



**ProScience Analytical Services, Inc.**  
 22 Cummings Park, Woburn, MA 01801

Telephone: 781-935-3212  
 Facsimile: 781-932-4857  
 Email: [chemistry@proscience.net](mailto:chemistry@proscience.net)

## Laboratory Report

**Contact:** Joseph Jammallo  
**Client:** Cushing Jammallo & Wheeler, Inc.  
**Address:** 464 High Street  
 Clinton, MA 01510

**Batch #:** C 266106  
**Date received:** 7/26/2011  
**Date analyzed:** 7/27/2011  
**Date of report:** 7/27/2011

**Project #** 5506  
**P.O.#** n/a  
**Project Site:** 31 Main St. Town Hall  
 Sterling, MA

**AIHA Lab ID:** 102754

**Lead Analysis In Paint Using SW846-7420/3051**  
 Results in weight percent on an "as received" wet weight basis

Lab ID	Client ID	Sample date	Description	Result	Detection Limit	Comments
C 402320	LBP-21	7/21/11	Yellow Wallboard Paint/2nd Floor Storage Rm	0.06	0.03	
C 402321	LBP-22	7/21/11	White Window Frame Ladies Room/1st Floor	0.09	0.03	
C 402322	LBP-23	7/21/11	Green Window Sill Ladies Room 1st Floor	0.82	0.03	Note 1

Note 1: Poor reproducibility, sample not homogeneous.

  
 \_\_\_\_\_  
 Simona Peavey, Supervisor  
 Dan Pine, Analyst    Adrian Stanca, Lab Director

Unless otherwise indicated, all samples were received in acceptable condition.  
 All result apply only to the samples as received and are accurate to no more than three significant figures.  
 Unless otherwise indicated, all the quality control criteria for the method above have been met.  
 BDL - Below Detection Limit    Note on units: mg/Kg is the same as ppm by weight.

**ProScience Analytical Services, Inc.**  
**Chemistry Chain of Custody Record**

LABORATORY/HEADQUARTERS  
 22 Cummings Park, Woburn, MA 01801  
 T:781-935-3212 F:781-932-4857

www.proscience.net  
 general@proscience.net

Rush < 6 Hours      Turn Around Time Requested (circle)

Same Day      Next Day      2 Day      3 Day      **5 Days**

Client: Cushty, Tamallo & Wheeler

Address: Street 164 High St  
 Town CLINTON MA 01510 State/Zip

Project Site Line 1 31 Main St Project Number 5506  
 Line 2 Town Hall Sterling, MA Purchase Order

Contact: Phone (978) 368-6320  
 FAX (978) 368-6121  
 Alt/Pager

NELAC analysis

TYPE OF ANALYSIS (circle)		
DUST WIPES	<b>PAINT (0.1 g)</b>	SOIL (1 g)
AIR	TSP	TCLP (100g)
(min)	PM10	Other

Element gravimetric  
 Pb    Cd    Cr    As  
 Se    Ag    Ba    Hg

For Laboratory Use

Other (please specify under Comments)

BATCH NUMBER

QC

**C 266106**

Please use a separate form for each matrix.

ASTM E1792 FOR LABORATORY USE ONLY

Date and Time Sampled	Field I.D.	Sample Description/Location	Air Sampling Information					Wiped area			ANALYSIS				Lab I.D.	
			Start Time	End Time	Start Flowrate	End Flowrate	Volume (liters)	length (inch)	width (inch)	Area (sq in)	Weight (grams)	Dil'n	AA Reading	RESULT		
7/21/11	LBP-1	fire escape black paint / exterior														402300
7/21/11	LBP-2	white siding paint / exterior														01
7/21/11	LBP-3	red paint back foundation / exterior														02
7/21/11	LBP-4	black paint garage door / exterior														03
7/21/11	LBP-5	green paint / 3rd floor balcony														04
7/21/11	LBP-6	white paint on fiber board / 3rd floor ceiling														05
7/21/11	LBP-7	dark green trim chair rail / 2nd floor Auditorium														06
7/21/11	LBP-8	light green paint wallboard / 2nd floor Auditorium														07
7/21/11	LBP-9	white paint window sill / 1st floor function room 3														08
7/21/11	LBP-10	beige chair rail / moulding / 1st floor function room 3														09

Relinquished By: Kathy Antone  
 Received By: Kathy Antone

Date: 7/21/11  
 Date: 7-26-11

Time: 10:55 AM

Comments:

**ProScience Analytical Services, Inc.**  
**Chemistry Chain of Custody Record**

LABORATORY/HEADQUARTERS  
 22 Cummings Park, Woburn, MA 01801  
 T:781-935-3212 F:781-932-4857

www.proscience.net  
 general@proscience.net

Rush/<6 Hours Turn Around Time Requested (circle)  
 Same Day  Next Day  2 Day  3 Day  5 Days

Client: \_\_\_\_\_  
 Address: Street \_\_\_\_\_  
 Town \_\_\_\_\_ State/Zip \_\_\_\_\_  
 Project Site Line 1 \_\_\_\_\_ Project Number 550b  
 Line 2 \_\_\_\_\_ Purchase Order \_\_\_\_\_  
 Contact: Phone \_\_\_\_\_  
 FAX \_\_\_\_\_  
 AWPager \_\_\_\_\_

NELAC analysis

TYPE OF ANALYSIS (circle)

DUST WIPES	<b>PAINT (0.1 g)</b>	SOIL (1 g)
AIR	TSP	TCLP (100g)
(min)	PM10	Other

Element gravimetric  
 Pb Cd Cr As  
 Se Ag Ba Hg

For Laboratory Use

Other (please specify under Comments)

BATCH NUMBER

**C 266106**

QC

Please use a separate form for each matrix.

ASTM E1792 FOR LABORATORY USE ONLY

Date and Time Sampled	Field I.D.	Sample Description/Location	Air Sampling Information					Wiped area			ANALYSIS				Lab I.D.	
			Start Time	End Time	Start Flowrate	End Flowrate	Volume (liters)	length (inch)	width (inch)	Area (sq in)	Weight (grams)	Dil'n	AA Reading	RESULT		
7/21/11	LBP-11	White wallboard / 1st floor function room 3														10
7/21/11	LBP-12	column white paint / 1st floor function room 3														11
7/21/11	LBP-13	Trash bags by AST / Basement														12
7/21/11	LBP-14	White paint on red base / Basement level stairwell														13
7/21/11	LBP-15	White window sill / Basement level stairwell														14
7/21/11	LBP-16	Gray window sill / Basement level stairwell														15
7/21/11	LBP-17	Eggshell trim Emergency exit / Stairwell														16
7/21/11	LBP-18	Green wall board / Emergency Exit Landing Stairwell														17
7/21/11	LBP-19	Eggshell white on 1st/2nd floor wallboard / Stairwell														18
7/21/11	LBP-20	Window trim 1st/2nd floor stairwell														19

Relinquished By: Karen Thompson  
 Received By: \_\_\_\_\_

Date: 7/21/11  
 Date: \_\_\_\_\_

Time: \_\_\_\_\_  
 Time: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_

**ProScience Analytical Services, Inc.**  
**Chemistry Chain of Custody Record**

LABORATORY/HEADQUARTERS  
 22 Cummings Park, Woburn, MA 01801  
 T:781-935-3212 F:781-932-4857

www.proscience.net  
 general@proscience.net

Rush/<6 Hours      Turn Around Time Requested (circle)  
 Same Day      Next Day      2 Day      3 Day      **5 Days**

Client \_\_\_\_\_  
 Address: Street \_\_\_\_\_  
 Town \_\_\_\_\_ State/Zip \_\_\_\_\_  
 Project Site Line 1 \_\_\_\_\_ Project Number **5506**  
 Line 2 \_\_\_\_\_ Purchase Order \_\_\_\_\_  
 Contact \_\_\_\_\_ Phone \_\_\_\_\_  
 FAX \_\_\_\_\_  
 Alt/Pager \_\_\_\_\_

NELAC analysis

TYPE OF ANALYSIS (circle)		
DUST	<b>PAINT</b> (0.1 g)	SOIL (1 g)
AIR	TSP	TCLP (100g)
(min)	PM10	Other

Please use a separate form for each matrix.

Element gravimetric  
 Pb    Cd    Cr    As  
 Se    Ag    Ba    Hg      For Laboratory Use

Other (please specify under Comments)

QC

BATCH NUMBER  
**C 266106**

ASTM E1792 FOR LABORATORY USE ONLY

Date and Time Sampled	Field I.D.	Sample Description/Location	Air Sampling Information					Wiped area			ANALYSIS			Lab I.D.		
			Start Time	End Time	Start Flowrate	End Flowrate	Volume (liters)	length (inch)	width (inch)	Area (sq in)	Weight (grams)	Dil'n	AA Reading		RESULT	
7/21/11	LP-21	Yellow walls paint / 2nd floor storage room														20
7/21/11	LP-22	White window frame ladies room / 1st floor														21
7/21/11	LP-23	Green window sill ladies room / 1st floor														22

Relinquished By: Karen Dupont  
 Received By: \_\_\_\_\_

Date: 7/21/11  
 Date: \_\_\_\_\_

Time: \_\_\_\_\_  
 Time: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_

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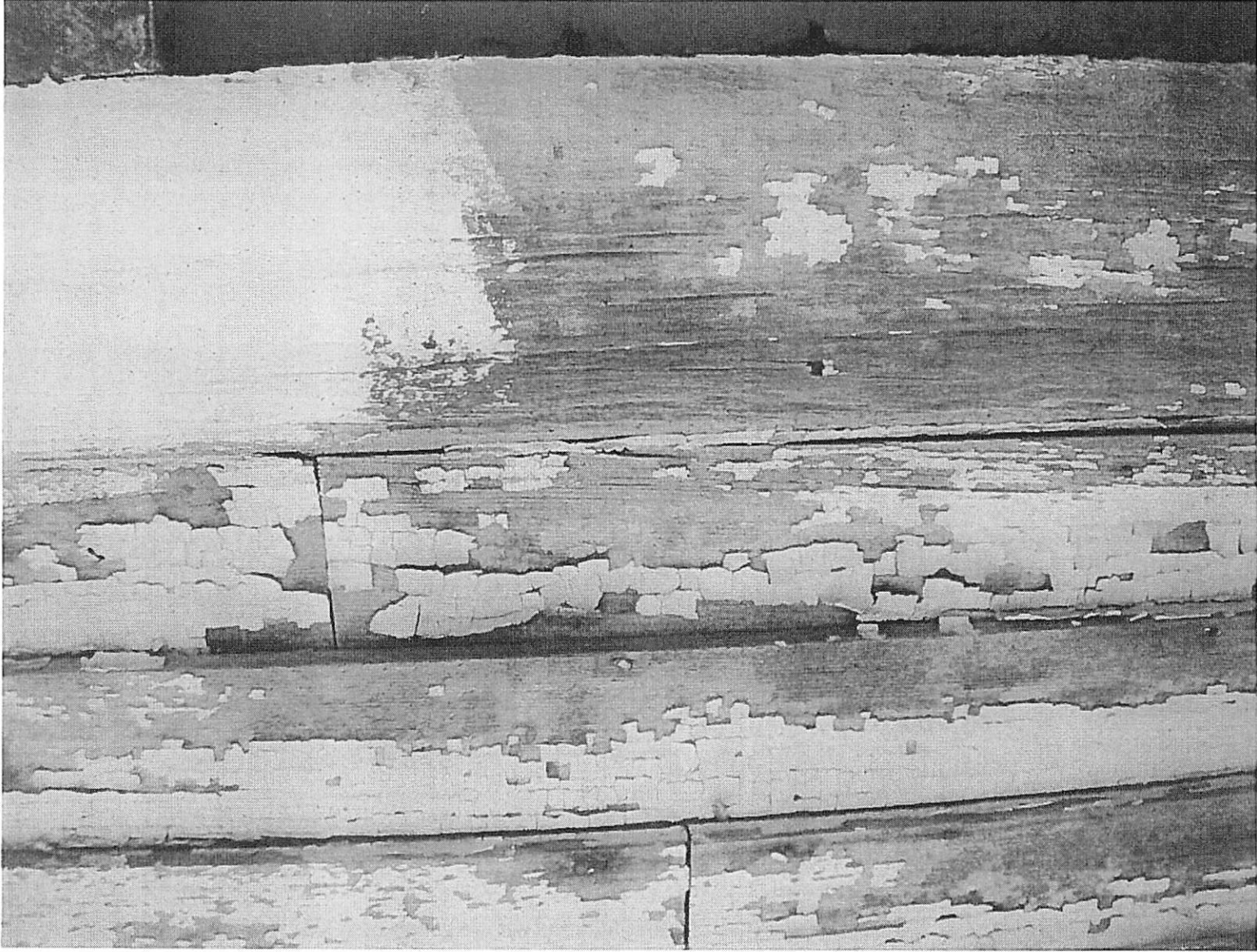
***APPENDIX B***  
***PHOTOGRAPHS***

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*464 High Street*  
*Clinton, Massachusetts 01510*  
*Tel. 978.368.6320 / Fax 978.368.6121*

*85 Constitution Lane, Suite 3B4*  
*Danvers, Massachusetts 01923*  
*Tel. 978.774.7224 / 978.774.7292*

## Photographic Log - Sample LBB-2.

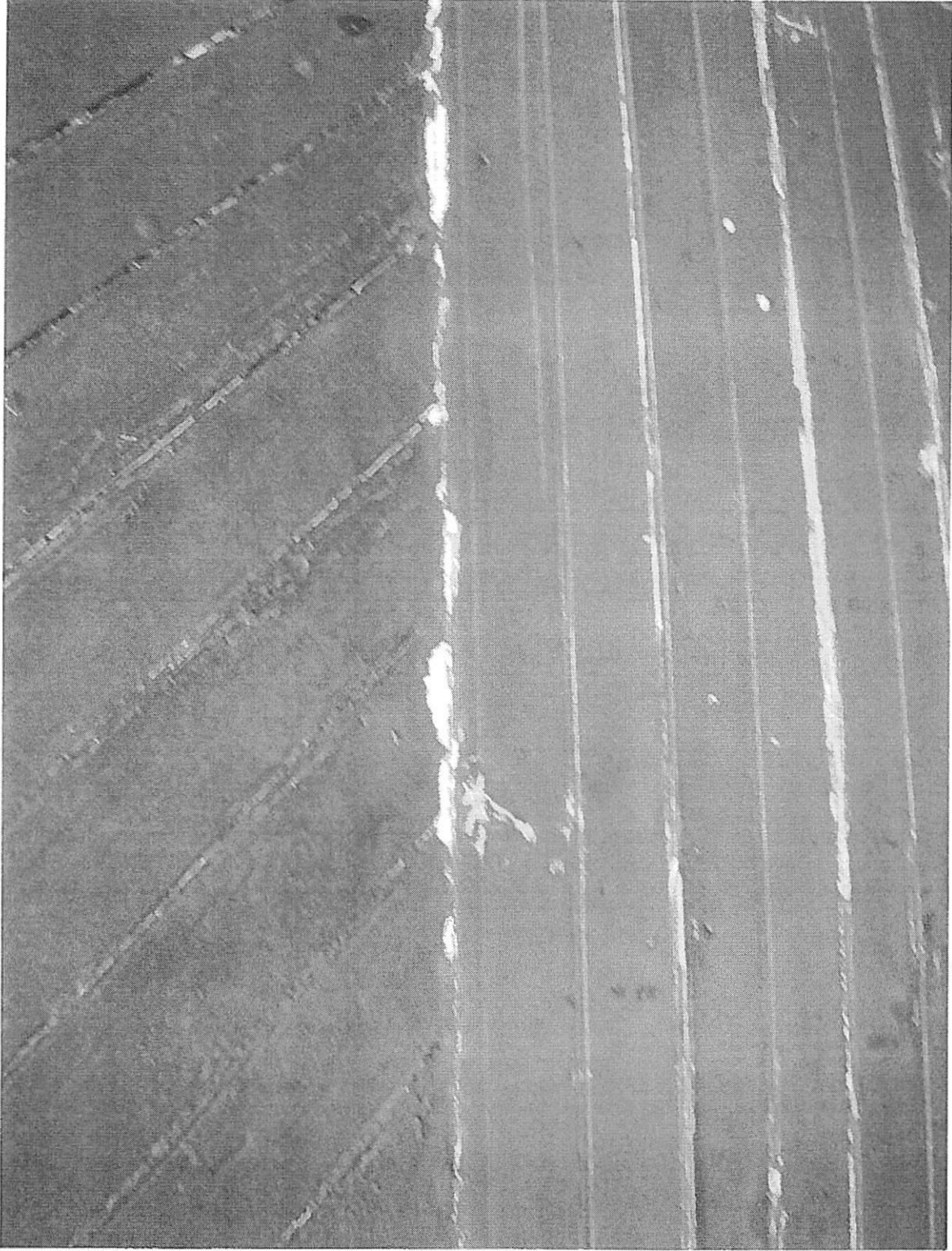




**Photographic Log – Sample LBP-3.**

CUSHING, JAMMALO & WHEELER, INC.





**Photographic Log – Sample LBP-4.**

CUSHING, JAMMALLO & WHEELER, INC.



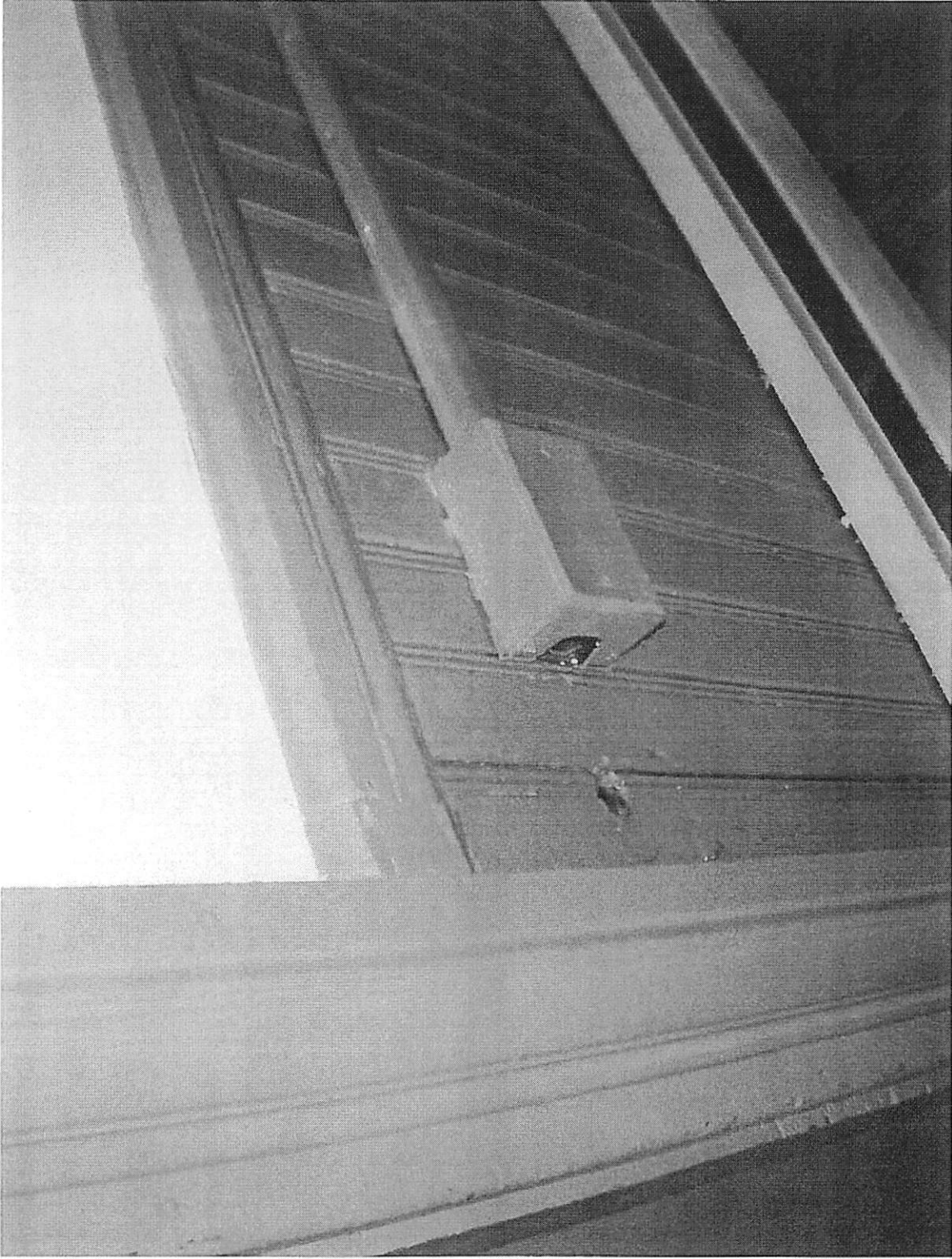
**Photographic Log – Sample LBP-5.**

CUSHING, JAMMALLO & WHEELER, INC.



**Photographic Log – Sample LBP-6.**

CUSHING, JAMMALLO & WHEELER, INC.



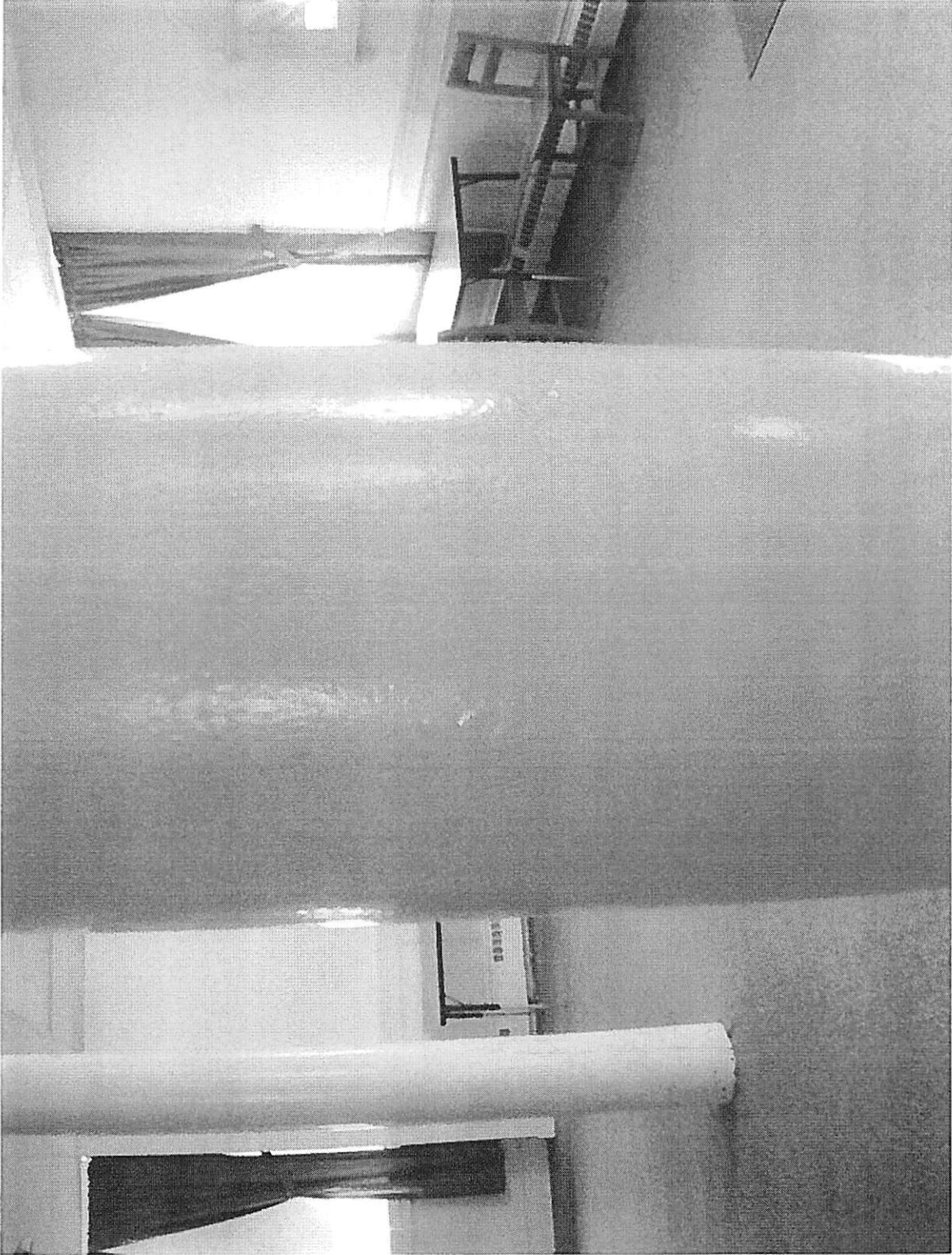
**Photographic Log – Sample LBP-7.**

CUSHING, JAMMALLO & WHEELER, INC.



**Photographic Log – Sample LBP-9.**

CUSHING, JAMMALLO & WHEELER, INC.



**Photographic Log – Sample LBP-12.**

CUSHING, JAMMALLO & WHEELER, INC.



**Photographic Log – Sample LBP-13.**

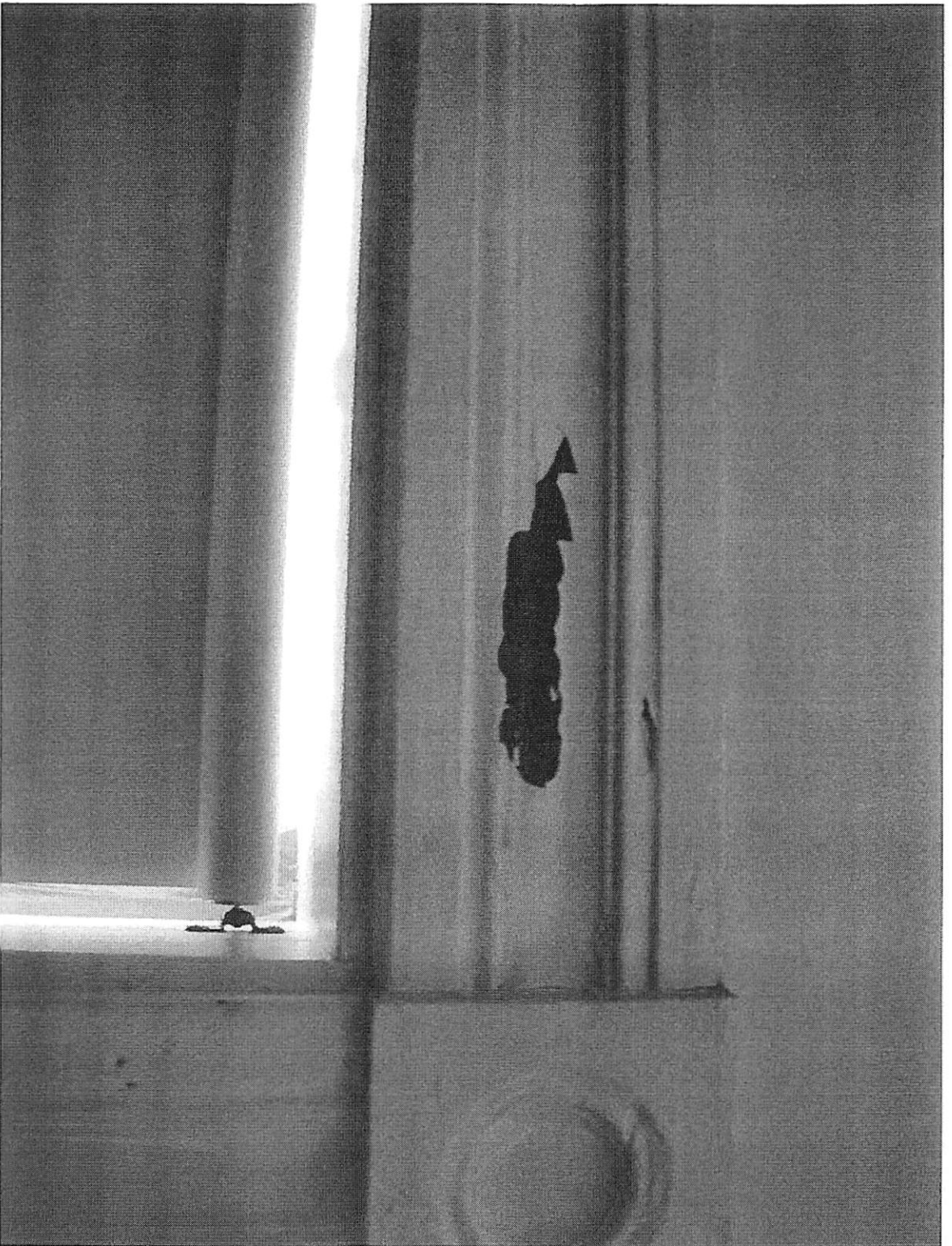
CUSHING, JAMMALLO & WHEELER, INC.



**Photographic Log – Samples LBP-15 & LBP-16.**

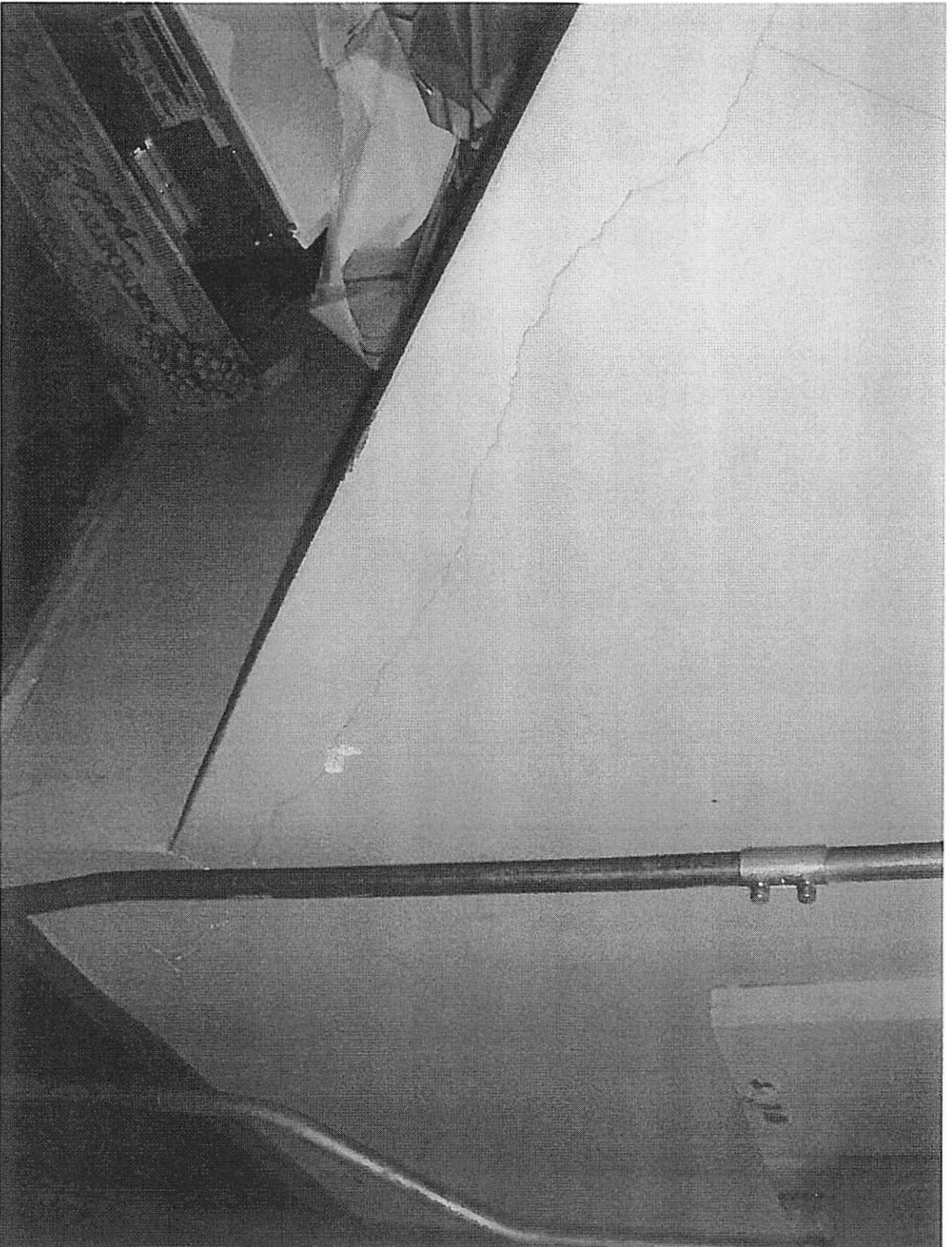
CUSHING, JAMMALLO & WHEELER, INC.





**Photographic Log – Samples LBP-20.**

CUSHING, JAMMALLO & WHEELER, INC.



**Photographic Log – Samples LBP-21.**

CUSHING, JAMMALLO & WHEELER, INC.



**Photographic Log – Samples LBP-22 & LBP-23.**

**CUSHING, JAMMALLO & WHEELER, INC.**