

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

Please Read Application And Notes, If Any, Attached

PERMIT ISSUED FEB 18 2005 CITY OF PORTLAND

Permit Number: 050016

This is to certify that Delta Realty Co Inc/Sharp Home Inc / Izumi Development

has permission to Build 2-2unit duplexes w/ 2 side car gar per building

AT #23e27 Also #26e32 Santa Court 308 A001001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and when permission is procured before this building or part thereof is altered or closed-in. FOUR NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. Health Dept. Appeal Board Other Department Name

Signature: Jamie Banks 2/17/05 Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 05-0016	Issue Date: PERMIT ISSUED FEB 18 2005	CBL: 106 A001001
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Location of Construction: 389 Congress St #23:27 } Jarita #26:32 } Court	Owner Name: Delta Realty Co Inc	Owner Address: 120 Exchange St # 100	Phone: 2078746959
Business Name:	Contractor Name: Lou Wood	Contractor Address: 120 Exchange St. Portland	Phone: 2078746959
Lessee/Buyer's Name	Phone:	Permit Type: Duplex	Zone: FH/R3

Past Use: Vacant Land	Proposed Use: Build 2-2unit duplexes w/ 2 single car garges per building	Permit Fee: \$4,821.00	Cost of Work: \$500,000.00	CEO District: 5	INSPECTION: Use Group: R3 Type: SB IRC-2003 Signature: JMB 2/17/05 (A.D.)
Proposed Project Description: Build 2-2unit duplexes w/ 2 single car garges per building		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Signature: _____ Date: _____			

Permit Taken By: Idobson	Date Applied For: 01/05/2005	Zoning Approval	
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1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. 2. Building permits do not include plumbing, septic or electrical work. 3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..	Special Zone or Reviews <input type="checkbox"/> Shoreland N/A <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone panel 6 zone X <input checked="" type="checkbox"/> Subdivision <input checked="" type="checkbox"/> Site Plan #2007-0161 Maj <input checked="" type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: WS 1/21/05	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: _____	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: _____
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CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK. TITLE	DATE	PHONE	

City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 05-0016	Date Applied For: 01/05/2005	CBL: 308 A001001
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Location of Construction: 23 & 27 Jarita Court	Owner Name: Delta Realty Co Inc	Owner Address: 120 Exchange St # 106	Phone:
Business Name:	Contractor Name: Sham Home Inc./ Jarita Developeme	Contractor Address: 120 Exchange St. Portland	Phone (207) 874-6959
Lessee/Buyer's Name	Phone:	Permit Type: Duplex	

Proposed Use: Build 2-2unit duplexes w/ 2 single car garges per building 1 bldg = #23 & #27; 1 bldg = #26 & #32	Proposed Project Description: Build 2-2unit duplexes w/ 2 single car garges per building
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Note:**Ok to Issue:**

- 1) Separate permits shall be required for future decks, sheds, pools, and/or garages.
- 2) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

Dept: Building **Status:** Approved with Conditions **Reviewer:** Jeanine Bourke **Approval Date:** 02/17/2005**Note:** 1/27/04 left msg for Lou W. To call about design pro designation of type 3 construction.**Ok to Issue:**

2/2 received fax for type from Assoc. Partners

2/3 emailed Lou W. The review items that need to be submrtd.

2/15 Lou W. Submitted new plans and fire/sound assembly, ok to issue

- 1) The design load spec sheets for any engineered beam(s) must be submitted to this office.
- 2) Separate permuts are required for any electrical, plumbing, or heatmg.

Dept: Engineering **Status:** Open **Reviewer:** Tony **Approval Date:****Note:** PUBLIC WORKS ENGINEERING...2/11/04**Ok to Issue:**

I have reviewed the submitted plans dated 12/17/03 and offer the following commments:

1. This packet did not include critical narrative information or supporting documentation such as a stormwater managment report, wetlands report, project description and scope, etc.
2. The existing drain manhole and sanitary sewer manhole in Lane Avenue should specify the inverts stubbed to this development property.
3. The proposed paved access road does not seem to uniformly transition with the existing granite curbing at Lane Avenue. The proposed access road appears to be narrower than the existing transition into Lane Avenue.
4. The proposed sidewalk system should connect to the existing sidewalk on Lane Avenue.

PUBLIC WORKS ENGINEERING REVIEW..4/26/04

1. This Department has still received any written materials for review, such as stormwater report, wetlands report, project summary etc.
2. The overall drainage study and drawings should be reviewed by William Goodwin and David Peterson of Public Works. They both have a historical knowledge of the existing drainage problems in this area.
3. The applicant should consider utilizing their proposed drainage plan to address or relieve some of the abutter property owner drainage issues.
4. The applicants plans must define and specify more clearly what is proposed for the drainage system beyond DMH#3.

Location of Construction: 23 & 27 Jarita Court	Owner Name: Delta Realty Co Inc	Owner Address: 120 Exchange St # 106	Phone:
Business Name:	Contractor Name: Sharp Home Inc./ Jarita Developeme	Contractor Address: 120 Exchange St. Portland	Phone (207) 874-6959
Lessee/Buyer's Name	Phone:	Permit Type: Duplex	

Approval Date: 07/25/2002

- 1) The applicant shall submit a revised exterior lighting plan in conformance with the City's technical and design standards for final review and approval by the Planning Authority.
- 2) The applicant shall present the proposed street name and a unit numbering scheme to the City of Portland for final review and approval by the Department of Public Works
- 3) Legal documentation of all utility easements shall be submitted by the applicant to the City of Portland for final review and approval by Corporation Counsel.
- 4) The applicant shall submit a complete plan for the establishment of a permanent no-disturbance zone in the approximately 6 acres portion of the subject site not currently proposed for development subject to final review and approval of Corporation Counsel and the Planning Authority,
- 5) The applicant shall submit revised plans addressing all outstanding civil engineering issues presented in an August 27, 2004 memo from Jim Seymour of Sebago Technics, the City's consulting civil engineer.

23#27 / 26432 Jarita Court
 308-A-001 05-0016

Soil type/Presumptive Load Value (Table R401.4.1)	Component	Plan Reviewer	Inspection/Date/Findings
STRUCTURAL Footings Dimensions/Depth (Table R403.1 & R403.1(1), (Section R403.1 & R403.1.4.1)	12" x 20" 4' min.		OK
Foundation Drainage Damp proofing (Section R405 & R406)	4" PERT / Bituminous Fabric	NA	OK
Ventilation/Access (Section R408.1 & R408.3) Crawls Space ONLY		NA	OK
Anchor Bolts/Straps (Section R403.1.6)	1/2" Anchors 4' O.C.		OK
Lally Column Type (Section R407)	builtup 2x6 as engineered		OK
Girder & Header Spans (Table R 502.5(2))	AB Engineered in 2nd FC		OK
Built-Up Wood Center Girder Dimension/Type	2-2x6 PT		OK
Sill/Band Joist Type & Dimensions	2-2x6 PT		OK
First Floor Joist Species Dimensions and Spacing (Table R502.3.1(1) & Table R502.3.1(2))	2x10 slab		OK
Second Floor Joist Species Dimensions and Spacing (Table R502.3.1(1) & Table R502.3.1(2))	2x10 16 w w		OK
Eckset/pantry under stairs	? sheetrock		OK see sub 2/14/05

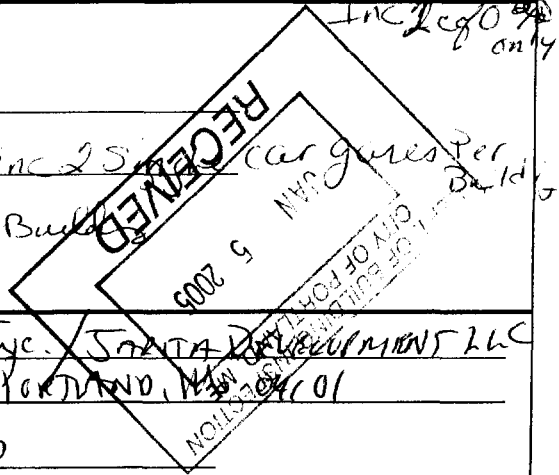
Attic or additional Floor Joist Species Dimensions and Spacing (Table R802.4(1) and R802.4(2))	Trusses 24" O.C.	OK
Joist, Span, Spacing & Dimension (Table R802.5.1(1) - R 802.5.1(8))	6x12 Trusses	OK
Roof Rafter; Framing & Connections (Section R802.3 & R802.3.1)	Truss Beam as engineered	OK
Sheathing, Gable, Wall and Roof (Table R503.2.1.1(1))	2x4 O.C. w/ clips w/ 1/16 CDX F 3/4 TAG	OK
Fastener Schedule (Table R602.3(1) & (2))	IRC-2003	OK
Private Garage (Section R309) Living Space? (Above or beside)		OK
Fire separation (Section R309.2)	5/8 x all walls & ceiling	OK
Opening Protection (Section R307.1)	1 m Doors	OK
Emergency Escape and Rescue Openings (Section R310)		OK per sheet 2/14/05
Roof Covering (Chapter 9)	Asphalt	OK
Roof Glazing (Section R309)	N/A	OK
Attic Access (Section R807)		OK per sheet 2/14/05
Chimney Clearances/Fire blocking (Chapter 10)	N/A	OK

Header Schedule (Section R502.5(1) & (2))	on Plans Schedule	OK
Type of Heating System	Baxi Luna direct	OK
Means of Egress (Section R311 & R312)		
Number of Stairways	2	OK
Interior	0	
Exterior		OK
Treads and Risers (Section R311.5.3)	7" Rise 11" Tread	OK
Width (Section R311.5.1)	3'0"	OK
Headroom (Section R311.5.2)	?	see submitted 2/14/05
Guardrails and Handrails (Section R312 & R311.5.6 - R311.5.6.3)	34" handrail	OK
Smoke Detectors (Section R313) Location and type/Interconnected	bedrooms/protecting Arc levels Intercon.	
Dwelling Unit Separation (Section R317) and IBC Section 207	To be submitted	
Deck Construction (Section R502.2.1)	Roof = 2x8 16 O.C. Grade Garage beam wrapped	
See Chimney Summary Checklist	Beam 3-CVL 2x8 ceiling joists	OK

All Purpose Building Permit Application for ~~Demolition of A Structure~~

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>JARITA COURT DR. OFF LANE AVE</u>		
Total Square Footage of Proposed Structure <u>2 Buildings Total 4 Units 8,000 SF</u>	Square Footage of Lot <u>6 AC.</u>	
Tax Assessor's Chart, Block & Lot Chart# <u>308</u> Block# <u>A</u> Lot# <u>1</u>	Owner: <u>JARITA DEVELOPMENT LLC</u> <u>120 Exchange St. PORT. ME</u> <u>c/o Lou Wood</u>	Telephone: <u>874-6959</u>
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone: <u>Lou Wood</u> <u>120 Exchange St.</u> <u>PORTLAND, ME 04101</u>	cost Of Work: <u>\$500,000</u> Fee: <u>\$4671</u>
<p>If the location is currently vacant, what was prior use: _____</p> <p>Approximately how long has it been vacant: <u>24 x 35 w/ inc 25'</u></p> <p>Project description: <u>Build 2 Buildings of 2 Units per Building</u></p> <p>DEMOLITION CALL LIST MUST BE SUBMITTED WITH THIS APPLICATION</p> <p>Contractor's name, address & telephone: <u>Sharp Home Inc. / JARITA DEVELOPMENT LLC</u> <u>120 Exchange Portland, ME 04101</u></p> <p>Whom should we contact when the permit is ready: <u>Lou Wood</u></p> <p>Mailing address: <u>120 Exchange St. PORT, ME</u></p> <p style="text-align: right;">Phone: <u>874-6959</u></p>		



IF THE REQUIRED INFORMATION IS NOT INCLUDED IN THE SUBMISSIONS THE PERMIT WILL BE AUTOMATICALLY DENIED AT THE DISCRETION OF THE BUILDING/PLANNING DEPARTMENT, WE MAY REQUIRE ADDITIONAL INFORMATION IN ORDER TO APPROVE THIS PERMIT.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: [Signature] Date: 1-5-05

This is not a permit, you may not commence ANY work until the permit is issued. This is for residential demolition. Commercial demolition will require other types of permitting along with this permit, please inquire with support staff



**ASSOCIATED DESIGN
PARTNERS INC.**

80 Leighton Road, Falmouth, ME . 04105

F A X M E M O

DATE: February 2, 2005

TO: Jeanie Bourke

FAX: 874-8716

FROM: Chris Brown

PHONE: 207-878-1751 **FAX:** 207-878-1788

RE: JARITA COURT

Number of pages **including** cover sheet: 2

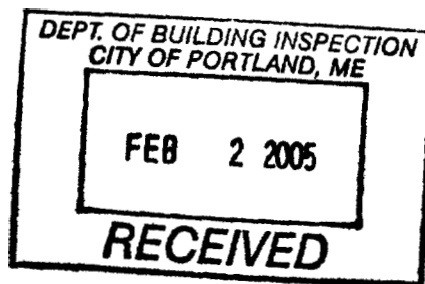
Message

Attached please find the revised design information sheet that we discussed yesterday. I have revised the construction type to Type 5 in accordance with chapter 6 of the IBC.

Please call should you have any additional questions regarding this project.

Thank you,

Christopher M. Brown, E.I.
Project Engineer



FROM DESIGNER: ASSOCIATED DESIGN PARTNERS, INC

DATE: 01/04/05

Job Name: JARITA COURT

Address of Construction: LANE AVENUE

2003 International Building Code

Construction project was designed according to the building code criteria listed below:

Building Code and Year IRC 2003 Use Group Classification(s) Residential

Type of Construction New Type VI CMU See cover page

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2003 IRC No

Is the Structure mixed use? No if yes, separated or non separated (see Section 302.3) N/A

Supervisory alarm system? No Geotechnical/Soils report required?(See Section 1802.2) No

STRUCTURAL DESIGN CALCULATIONS

Submitted for all structural members (100.1, 100.7.1)

DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1803)

Uniformly distributed floor live loads (1803.1.1, 1807)

Floor Area Use	Loads Shown
<u>1st Sleeping Rm</u>	<u>40 psf</u>
<u>Sleeping Rm</u>	<u>30 psf</u>
<u>Stairs</u>	<u>40 psf</u>

Wind loads (1803.1.4, 1809)

Analytical
100 mph
1.0
B
+/- 0.18
(16/-17)(16/-21)
-11 psf / 11 psf

Design option utilized (1809.1.1, 1809.6)
Basic wind speed (1809.3)
Building category and wind importance factor, I_w (Table 1804.6, 1809.5)
Wind exposure category (1809.4)
Internal pressure coefficient (ASCE 7)
Component and cladding pressures (1809.1.1, 1809.8.2.2)
Main force wind pressures (1809.1.1, 1809.8.2.1)

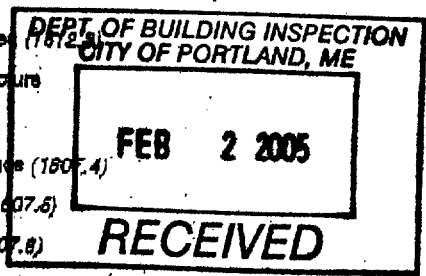
Earthquakes design data (1803.1.5, 1814 - 1823)

N/A
N/A
N/A
N/A

Design option utilized (1814.1)
Seismic use group ("Category") (Table 1804.6, 1818.2)
Spectral response coefficients, S_{ps} & S_{ps} (1816.1)
Site class (1816.1.5)

N/A Live load reduction (1803.1.1, 1807.9, 1807.10)
N/A Roof live loads (1803.1.2, 1807.11)
60 psf Roof snow loads (1803.1.3, 1808)
50 psf Ground snow load, P_g (1808.2)
1.0 If $P_g > 10$ psf, flat-roof snow load, P_f (1808.3)
1.0 If $P_g > 10$ psf, snow exposure factor, C_e (Table 1808.3.1)
1.2 If $P_g > 10$ psf, snow load importance factor, I_s (Table 1804.6)
50 psf Roof thermal factor, C_t (Table 1808.3.2)
N/A Sloped roof snowload, P_s (1808.4)
N/A Seismic design category (1818.2)
N/A Basic seismic-force-resisting system (Table 1817.8.2)
N/A Response modification coefficient, R , and deflection amplification factor, C_d (Table 1817.8.2)
N/A Analysis procedure (1818.8, 1817.8)
N/A Design base shear (1817.4, 1817.5.1)

No Flood loads (1803.1.8, 1812)
7.4 (min) Flood hazard area (1812.3)
N/A Elevation of structure (1812.3)
N/A Concentrated loads (1807.4)
N/A Partition loads (1807.6)
N/A Impact loads (1807.8)
N/A Misc. loads (Table 1807.6, 1807.6.1, 1807.7, 1807.12, 1807.13, 1810, 1811, 2404)



FROM DESIGNER: ASSOCIATED DESIGN PARTNERS, INC Chris 878-1751
 DATE: 01/04/05 Engineer & Jim Thibideau
 Job Name: JARITA COURT
 Address of Construction: LANE AVENUE

2003 International Building Code

Construction project was designed according to the building code criteria listed below:

Building Code and Year IBC 2003 Use Group Classification(s) Residential
 Type of Construction New type III
 Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2003 IRC No
 Is the Structure mixed use? No if yes, separated or non separated (see Section 302.3) N/A
 Supervisory alarm system? No Geotechnical/Soils report required? (See Section 1802.2) _____

STRUCTURAL DESIGN CALCULATIONS

Submitted for all structural members (100.1, 100.1.1) N/A

DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1603)

Floor Area Use	Loads Shown
<u>Non Sleeping Rm</u>	<u>40psf</u>
<u>Sleeping Rm</u>	<u>30psf</u>
<u>Stairs</u>	<u>40psf</u>
_____	_____
_____	_____

Live load reduction (1603.1.1, 1607.8, 1607.10) _____
 Roof live loads (1603.1.2, 1607.11) N/A
 Roof snow loads (1603.1.3, 1608) 60 psf
 Ground snow load, P_g (1608.2) 50 psf
 If $P_g > 10$ psf, flat-roof snow load, P_f (1608.3) 1.0
 If $P_g > 10$ psf, snow exposure factor, C_e (Table 1608.3.1) 1.0
 If $P_g > 10$ psf, snow load importance factor, I_s (Table 1604.6) 1.2
 Roof thermal factor, C_t (Table 1608.3.2) _____
 Sloped roof snowload, P_s (1608.4) 50 psf

Wind loads (1603.1.4, 1609)
Analytical Design option utilized (1609.1.1, 1609.6) _____
100 mph Basic wind speed (1609.3) _____
1.0 Building category and wind importance factor, I_w (Table 1604.5, 1609.5) _____
B Wind exposure category (1609.4) _____
+/- 0.18 Internal pressure coefficient (ASCE 7) _____
(16/-18) (16/-2) Component and cladding pressures (1609.1.1, 1609.6.2.2) _____
-11psf / 18psf Main force wind pressures (1609.1.1, 1609.6.2.1) _____

Seismic design category (1616.3) N/A
 Basic seismic-force-resisting system (Table 1617.6.2) N/A
 Response modification coefficient, R , and deflection amplification factor, C_d (Table 1617.6.2) N/A
 Analysis procedure (1616.6, 1617.5) N/A
 Design base shear (1617.4, 1617.5.1) N/A

Flood loads (1603.1.6, 1612) No
 Flood hazard area (1612.8) _____
 Elevation of structure 72.4 (min)

Earthquake design data (1603.1.5, 1614 - 1623)
N/A Design option utilized (1614.1) _____
N/A Seismic use group ("Category") (Table 1604.5, 1616.2) _____
N/A Spectral response coefficients, S_{DS} & S_{D1} (1616.1) _____
N/A Site class (1616.1.5) _____

Other loads
 Concentrated loads (1607.4) N/A
 Partition loads (1607.5) N/A
 Impact loads (1607.8) N/A
 Misc. loads (Table 1607.6, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404) _____

Applicant/Owner: Delta, INC Date: 1/21/05
Address: #27 (1 bldg) Janda Court C-B-L: 308-A-001
#26 & #32 (1 bldg)

CHECK-LIST FOR ZONING COMPLIANCE - **PRUDS**

Permit Application Number: #05-001

New or Existing Development:

Zone Location: R-3 PRUD

Proposed Work/Use to construct 2 duplex bldgs #23 & #27
26 & #32

Interior or corner lot:

Sewage Disposal: City

Street Frontage: 50' - 50' + shown

Max. Length of Bldg - **with** without attached garage(s): 140' for bldgs with garages - 66' shown

Min. Setbacks from External Subdivision Property Lines: (30' for DU) - 25' min
over 25' shown

Min. Distance Between Detached PRUD Buildings: 16' min - OK - 1st Bldg in project

Required Recreation Open Space: 6,000^{sq} ft in req - 6635^{sq} ft shown

Lot Area Required: 6,500^{sq} ft permit

Net Land Area Per Dwelling Unit: OK * Dev. S LA

Off-street Parking: 2 req - 2 shown

Site Plan: original site plan # 2002-0161

Shoreland/Stream Protection: N/A

Flood Plain: Panel 6 - 2 Mex

Height - 35' max - 26.5' to ridge

No Day light Basement Shown

SHARP HOMES INC.

120 Exchange Street • Portland, Maine 04101 • (207) 874-6959 • FAX (207) 874-6988

February 14, 2005

Hand Delivered

Jeanie Bourke
City of Portland
Code Officer
Portland, Me. 040101

Dear Jeanie,

Please find enclosed a copy of the Jarita Condo's Building plans with the outlined changes you requested in your letter of Feb. 3, 2005:

- ✓1. Verification of sheet rock under stairs on first floor
- ✓2. Paradigm Window Manufacturer Verification of egress windows.
- ✓3. Have shown Attic scuttles (Typ)
- ✓4. Have shown minimum headroom in stairway.
- ✓5. Have shown 1hr. rated beam enclosure in garage.
- ✓6. Please find enclosed data on the common wall detail, double staggered stud wall with STC rating of **57** with use of Acousti/block product see enclosed information sheet.

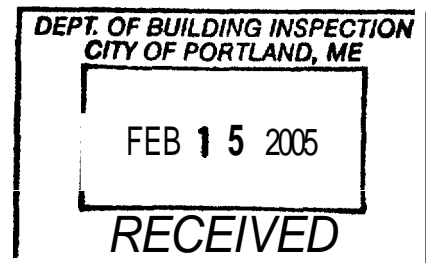
*per Lou Wood
2/17/05*

*2x6 plates
2x4 studs staggered
3" insulation
Acousti block
weaved between studs*

Thank you for your time, please call me with any other question **you** may have.

Sincerely,

Louis C. Wood
Louis C. Wood





Versatec

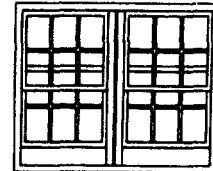


Window Solutions For Life.

APPLICATORS
SALES & SERVICE, INC.

VERSATEC - A Standard New Construction Double Hung Win

Call Size	Suggested Single Unit				Double Unit			
	White	Grid layout	Rough Opening	UI	Call Size	White	Rough Opening	UI
DH3636	\$334	6 / 6	36 x 36	72	DH3636-2	\$746	71 1/2 x 36	108
DH3644	\$348	6 / 6	36 x 44	80	DH3644-2	\$772	71 1/2 x 44	116
DH3648	\$356	6 / 6	36 x 48	84	DH3648-2	\$790	71 1/2 x 48	120
DH3652	\$364	6 / 6	36 x 52	88	DH3652-2	\$806	71 1/2 x 52	124
DH3660	\$372	6 / 6	36 x 60	96	DH3660-2	\$818	71 1/2 x 60	132
DH3666**	\$396	6 / 6	36 x 66	102	DH3666-2	\$870	71 1/2 x 66	138
DH3672**	\$404	6 / 6	36 x 72	108	DH3672-2	\$888	71 1/2 x 72	144
DH4036	\$344	6 / 6	40 x 36	76	DH4036-2	\$764	79 1/2 x 36	116
DH4044	\$358	6 / 6	40 x 44	84	DH4044-2	\$796	79 1/2 x 44	124
DH4048	\$366	6 / 6	40 x 48	88	DH4048-2	\$810	79 1/2 x 48	128
DH4052	\$384	6 / 6	40 x 52	92	DH4052-2	\$840	79 1/2 x 52	132
DH4060	\$392	6 / 6	40 x 60	100	DH4060-2	\$850	79 1/2 x 60	140
DH4066**	\$406	6 / 6	40 x 66	106	DH4066-2	\$892	79 1/2 x 66	146
DH4072**	\$418	6 / 6	40 x 72	112	DH4072-2	\$914	79 1/2 x 72	152
DH4436	\$354	8 / 8	44 x 36	80	DH4436-2	\$786	87 1/2 x 36	124
DH4444	\$364	8 / 8	44 x 44	88	DH4444-2	\$806	87 1/2 x 44	132
DH4448	\$386	8 / 8	44 x 48	92	DH4448-2	\$846	87 1/2 x 48	136
DH4452	\$394	8 / 8	44 x 52	96	DH4452-2	\$862	87 1/2 x 52	140
DH4460**	\$406	8 / 8	44 x 60	104	DH4460-2	\$892	87 1/2 x 60	148
DH4466**	\$414	8 / 8	44 x 66	110	DH4466-2	\$904	87 1/2 x 66	154
DH4472**	\$426	8 / 8	44 x 72	116	DH4472-2	\$928	87 1/2 x 72	160
DH4836	\$364	8 / 8	48 x 36	84	DH4836-2	\$806	95 1/2 x 36	132
DH4844	\$388	8 / 8	48 x 44	92	DH4844-2	\$850	95 1/2 x 44	140
DH4848	\$390	8 / 8	48 x 48	96	DH4848-2	\$854	95 1/2 x 48	144
DH4852	\$404	8 / 8	48 x 52	100	DH4852-2	\$888	95 1/2 x 52	148
DH4860**	\$414	8 / 8	48 x 60	108	DH4860-2	\$904	95 1/2 x 60	156
DH4866**	\$434	8 / 8	48 x 66	114	DH4866-2	\$946	95 1/2 x 66	162
DH4872**	\$446	8 / 8	48 x 72	120	DH4872-2	\$970	95 1/2 x 72	168

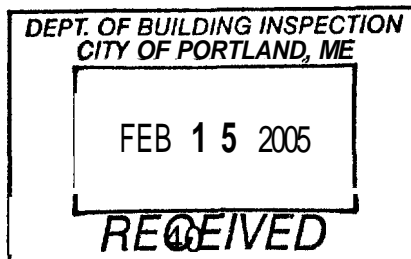


STANDARD FEATURES

- 3/4" Low-E² Insulated Glass With Swiggle Spacer
- 1/2" Stainless Steel Balance System With Jamb Liner (
- Integral Nail Fin/ 3/4" J - Channel Built In
- Interlock At Meeting Rail
- Triple Weather-stripping
- Fully Welded Sash & Frame
- Full Screen
- Will Accept Exterior Casing Options

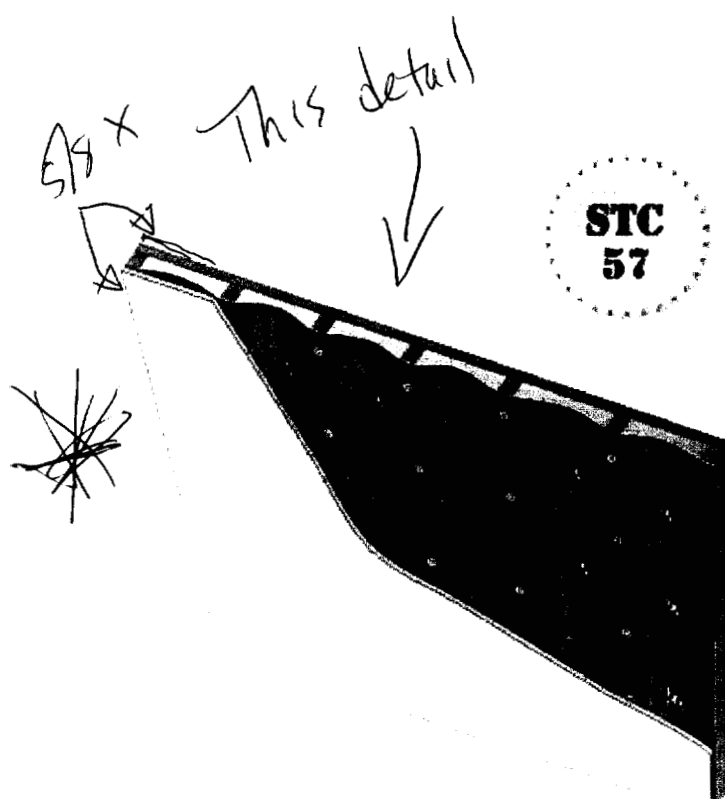
** Denotes Egress Size Windows

- Tan Units Add 15% To Total White Price
- For Oriel Units Add 15% To Total Window Price
- For Custom Size Units Go To Next Larger Window Size Price
- Call Size Minus 1/2" Equals Unit Dimension
- Unit Price Does Not Include Grids
- Refer To Page 87 For All Options



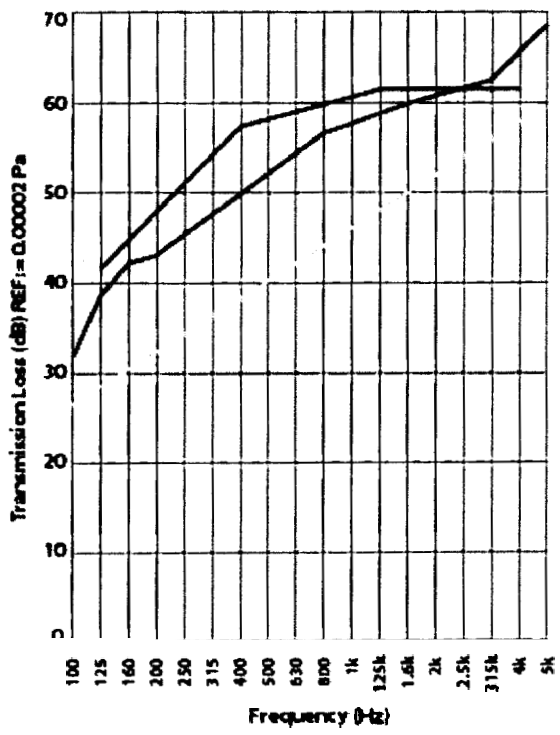
Effective Date
March, 2004

Prices subject to change
without notice



STC 57

Sound Transmission Report
RAL - TL04-275



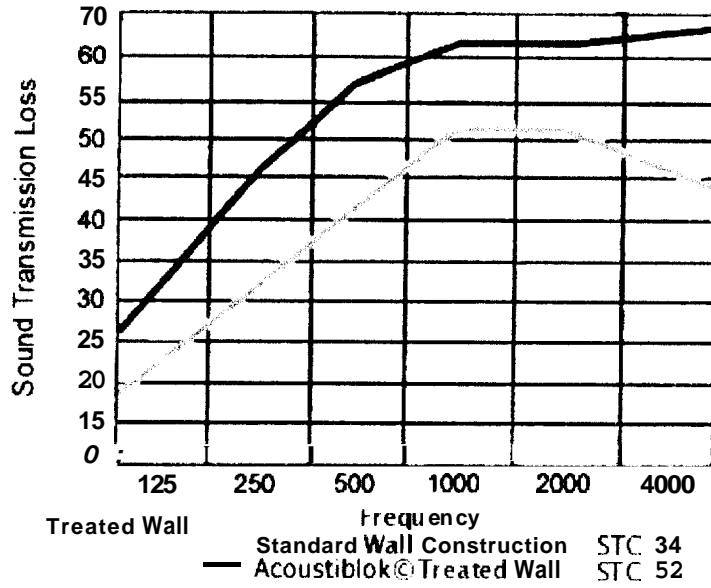
Extended Frequency Data

FREQ.	T.L.	UNC.
40	21	0.45
50	22	0.84
63	19	1.29
80	20	0.82

STC = 57
 — Transmission Loss
 - - - bound transmission
 Mass Law

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ACOUSTICAL DATA



STC 52 is a current certified lab test result by
Riverbank Laboratory on 03-04-04 (report available)

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CLBV.R21490

Wall and Partition Facings and Accessories

[Page Bottom](#)
[Print-friendly version](#)
[Questions?](#)


Wall and Partition Facings and Accessories

See General Information for Wall and Partition Facings and Accessories

ACOUSTIBLOK INC
 6900 INTERBAY BLVD
 TAMPA, FL 33616 USA

R21490

Type Acoustiblok (1 lb.) membrane for use in wall designs of the U300, U400, and V400 series. Also may be used in floor-ceiling constructions of the L500 series.

Material shall be installed per the manufacturer's installation instructions furnished with the rolls of the membrane material.

Last Updated on 2003-12-01

[Page Top](#)
[Notice of Disclaimer](#)
[Questions?](#)


UL Listed and Classified Products

UL Recognized Components

Products Certified for Canada

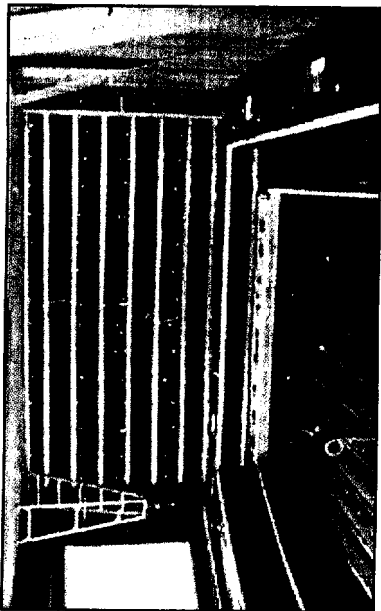
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Product Description

Acoustiblok® is a 1 lb. psf, reinforced, noise isolating material which is utilized as a structural treatment for reducing sound transmission. It contains no lead or asbestos materials. Acoustiblok® is typically applied as part of layered wall or floor construction either tacked to the studs prior to drywall or draped over joists before sub-floor. Acoustiblok® reduces sound transmission even in low frequencies under 100Hz. Ceilings and doors are also suggested treatment areas to further reduce sound transmission (-10db to the human ear is approximately 50% reduction). Higher STC 2LB also available. (STC 32)

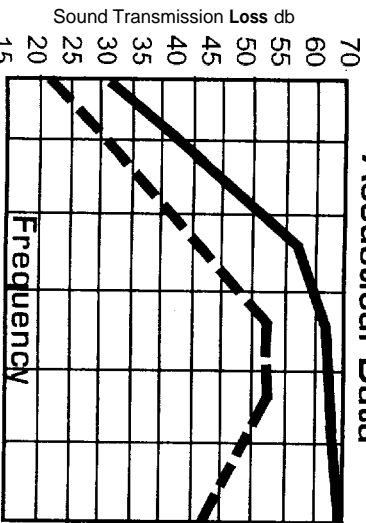


Acoustiblok® is essential to any home theater room. Keeps the movie in and the disturbances out. Have your architect spec it in.

Architectural Specifications - Acoustiblok®

A U.L.™ classified flexible high STC sound isolation material. U.L.™ approved for use in U.L.™ rated wall designs of U300, U400 and V400 series. Also for use in U.L.™ rated floor/ceiling designs of the L500 series. High electrical resistance. Weight is 1lb. per sq. ft. Properties: Non-corroding, waterproof, tensile PSI min 510, thickness of .114-.03 inches, minimum of 26 STC, no deformation at 200 degrees F, pass burn test per mil std 1623, pass burn test MVS 302 and self extinguishing, DIE 'C' tear (#N) tested, available in rolls of 54" x up to 350'. U.K. Tested B.S.476:Part 7 Transmission loss of: 19DB@100hz

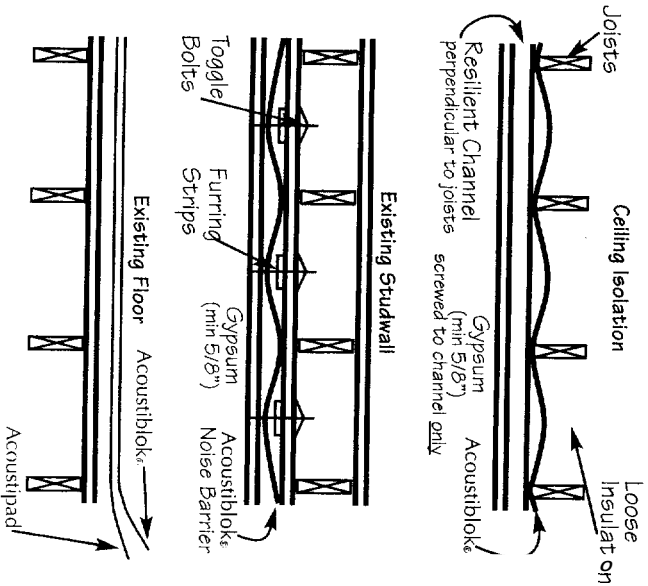
Acoustical Data



Standard Wall Construction STC 41
Acoustiblok Treated Wall STC 50

Applications

- Residential
 - Industrial
 - Condos
 - Apartments
 - Hotels
 - Home Theaters
 - Power Plants
 - Offices
 - Schools
 - Sports Facilities
 - Gymnasiums
 - Nurseries
 - Hospitals
 - Libraries
 - Churches
 - Doctor's Offices & Clinics
 - Airports
 - Attorney Offices
 - Kennels
 - Air Handler Rooms
 - Machinery Rooms
 - Strip Plazas
 - Noisy Plumbing Pipes
 - Restaurants
 - Automobiles
 - Marine
 - Factories
 - Gun Ranges
- (More on web site)



"Outdoor sound absorbing panels" also available, see web sight.
www.Acoustiblok.com
Email: sales@acoustiblok.com • 813-980-1400
Acoustiblok® P.O. Box 291396 • Tampa, Florida 33687
In UK Email: info@acoustiblokuk.com

Acousti|blok®

When What You Don't Hear Counts...



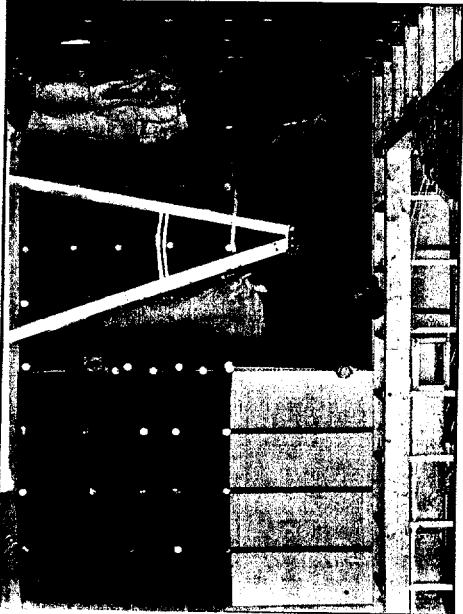
At last, an easy to use product to reduce sound transmission, U.L.™ approved to be in walls/floors/ceilings.

Sound disturbances are everywhere and increasing dramatically in our business and personal lives.

Home theater, traffic noise, kids rooms, engine noises, private offices, school rooms, examination rooms, the needs are endless. We also do not want any restrictions in our listening enjoyment of home theater or music.

Today's construction techniques do not lend themselves to noise reduction. The materials used (if any) are fiberglass, foam insulation, sound board, or extra layers of drywall. These do little to stop noise transmission. Even a concrete block wall is a poor barrier for sound. Solid ridged materials actually vibrate themselves producing sound on the other side.

Acoustiblok®, however, works like a sheet of lead. It has tremendous density and mass (1lb sq. ft.). It is installed loosely when possible, thus it absorbs the acoustic energy far better than rigid solid materials.

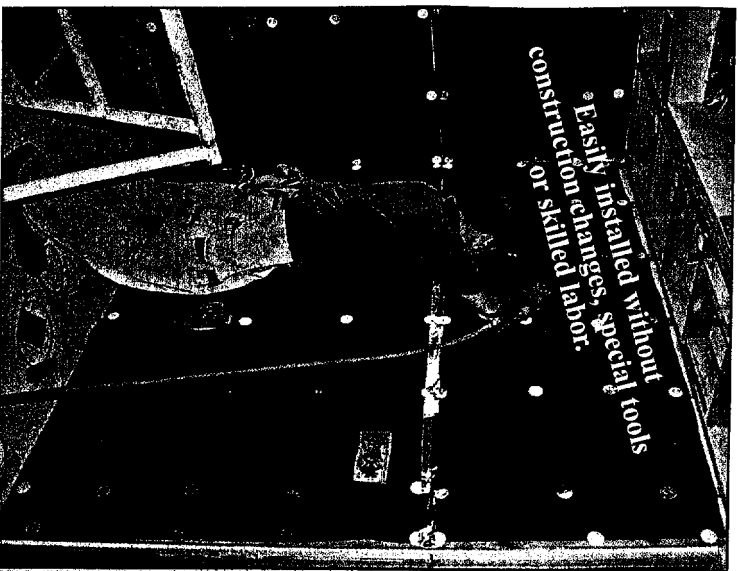


"A revolutionary sound proofing material is set to make a major impact on noise abatement issues after winning an innovation and technology award." Presented by the "Noise Abatement Society" at the British House of Commons 10-29-07

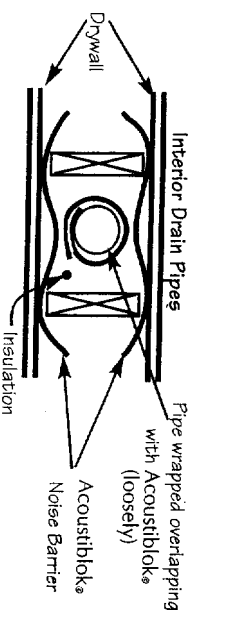
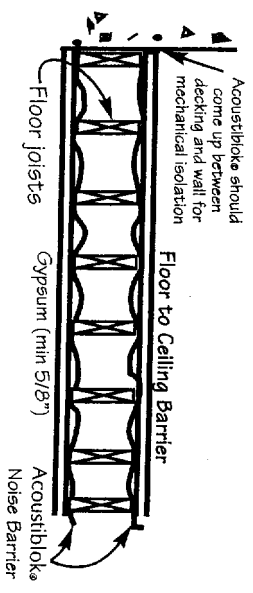
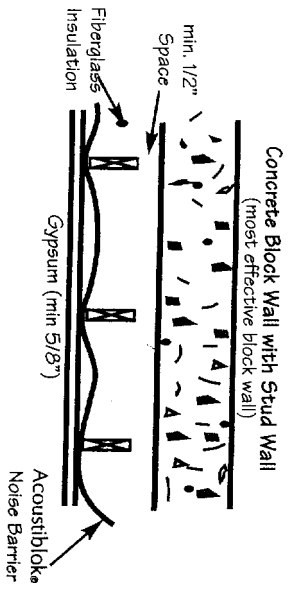
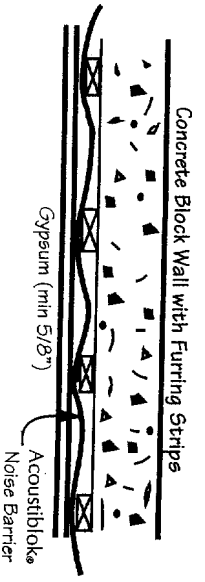
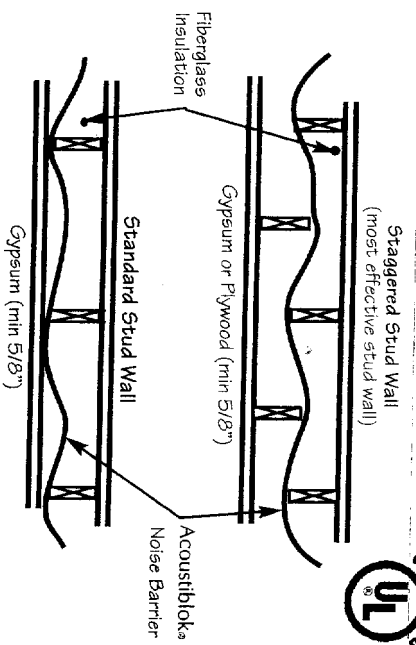
Installation Methods

Acoustiblok® comes in 54" rolls 30', 60', or 350' long and is easily cut with a box knife and a straight edge.

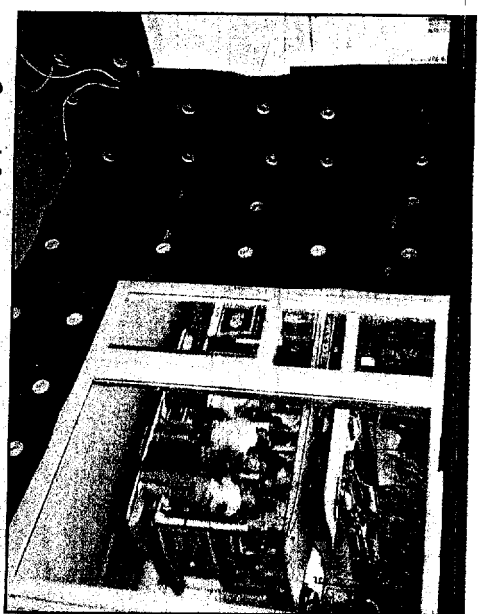
- » Stapling with a tin roof cap is an easy method to attach Acoustiblok® to studs, ceiling joists or furring strips.
- » For metal studs, use self tapping screws with tin roof caps. For floors, wood or concrete, spot gluing is adequate.
- » Tape and sealers are available for all joints.
- » The best sound barrier is one that absorbs the acoustic energy. Therefore, the best results are when the product is left somewhat loose i.e. stapled to studs before drywall is hung.
- » Acoustiblok® also helps in eliminating solid mechanical linkage, which is a major cause of sound transmission.



www.acoustiblok.com



(More) 2



Sound & Vibrations from trolley cars in San Francisco are blocked.

Acoustiblok® is a Very Unique Material

- » U.L. approved in walls/floors/ceilings.
- » Is impervious to water or moisture
- » Very flexible/Cuts with box knife
- » Can be nailed, stapled, or glued
- » Is non corrosive
- » Is temperature tested up to 200°
- » It will not mildew
- » Can be put in basements or in attics
- » Will not compress under carpet
- » Is highly UV Resistant



Acoustiblok® is also very effective in reducing industrial noise. (available in 2 LB density) (STC 32)

1512 S. BATAVIA AVENUE
GENEVA, ILLINOIS 60134

Alion Science and Technology.

630/232-0104
FOUNDED 1918 BY
WALLACE CLEMENT SABINE

TEST REPORT

FOR: Acoustiblok
Tampa, FL

Sound Transmission Loss Test
RAL™-TL04-050

ON: WSAB-129 Wood Stud wall Section

Page 1 of 3

CONDUCTED: 4 March 2004

TEST METHOD

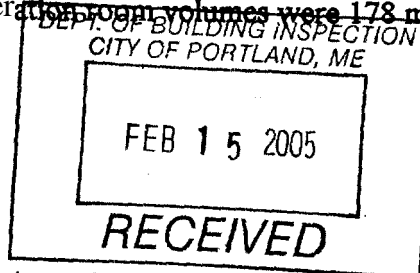
Unless otherwise designated, *the* measurements reported below were **made** with all facilities and procedures in explicit conformity with the **ASTM** Designations **E90-02** and **E413-87**, as well as other pertinent standards. Riverbank Acoustical Laboratories has been accredited by the U.S. Department of **Commerce**, National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program (NVLAP) for **this** test procedure. A description of the measuring technique is available separately.

DESCRIPTION OF THE SPECIMEN

The test specimen was designated by the client as **WSAB-129** wood stud wall section. The overall dimensions of the specimen as measured were **1.21 m (47.5 in.)** wide by **2.43 m (95.5 in.)** high and **127 mm (5 in.)** thick. The specimen **was** placed directly in the laboratory's **1.22 m (4 ft)** by **2.44 m (8 ft)** test opening and **was** sealed on the periphery (both sides) with a dense **mastic**.

The manufacturer's description as provided by a drawing **was as follows**: The panel **was** constructed **with** a two-by-four wood top and bottom plate and studs covered on both sides **with** a single layer of **16 mm (0.625 in.)** thick **gypsum** board. The gypsum board was **attached using** 6d **nails** at **305 mm (12 in.)** on center. The wood studs were spaced on nominal **610 mm (24 in.)** centers. The receive side cavity **was** filled with **76 mm (3 in.)** thick **fiberglass**. A single layer of Acoustiblok 16oz. barrier material **was** attached to the studs on the source side. A **visual** inspection **verified** the manufacturer's description of the specimen.

The weight of the specimen as measured was **97.3 kg (214.5 lbs.)**, an average of **33.3 kg/m² (6.8 lbs/ft²)**. The transmission area used in the calculations **was 2.9 m² (31.5 ft²)**. The source and receiving room temperatures at the time of the test were **23±1°C (74±1°F)** and **63%** relative humidity. The source and receive reverberation room volumes were **178 m³ (6298 ft³)** and **134 m³ (4748 ft³)**, respectively.



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TEST REPORT

Acoustiblok

RAL™-TL04-050

4 March 2004

Page 2 of 3

TEST RESULTS

Sound transmission loss values are tabulated at the eighteen standard frequencies. A graphic presentation of the data and additional information appear on the following pages. The precision of the TL test data is within the limits set by the ASTM Standard E90-02.

<u>FREQ.</u>	<u>T.L.</u>	<u>C.L.</u>	<u>DEF.</u>	<u>FREQ.</u>	<u>T.L.</u>	<u>C.L.</u>	<u>DEF.</u>
100	27	1.01		800	53	0.17	1
125	32	0.95	4	1000	55	0.18	
160	37	0.49	2	1250	56	0.16	
200	41	0.09		1600	57	0.13	
250	42	0.49	3	2000	57	0.09	
315	41	0.45	7	2500	58	0.09	
400	45	0.31	6	3150	60	0.07	
500	48	0.21	4	4000	62	0.07	
630	51	0.22	2	5000	63	0.04	

STC=52

ABBREVIATION INDEX

- FREQ. = FREQUENCY, HERTZ, (cps)
- T.L. = TRANSMISSION LOSS, dB
- C.L. = UNCERTAINTY IN dB, FOR A 95% CONFIDENCE LIMIT
- DEF. = DEFICIENCIES, dB < STC CONTOUR (SUM OF DEF = 30)
- STC = SOUND TRANSMISSION CLASS



Tested by Marc Sciaky
Marc Sciaky
Senior Technician

Approved by David L. Moyer
David L. Moyer
Laboratory Manager

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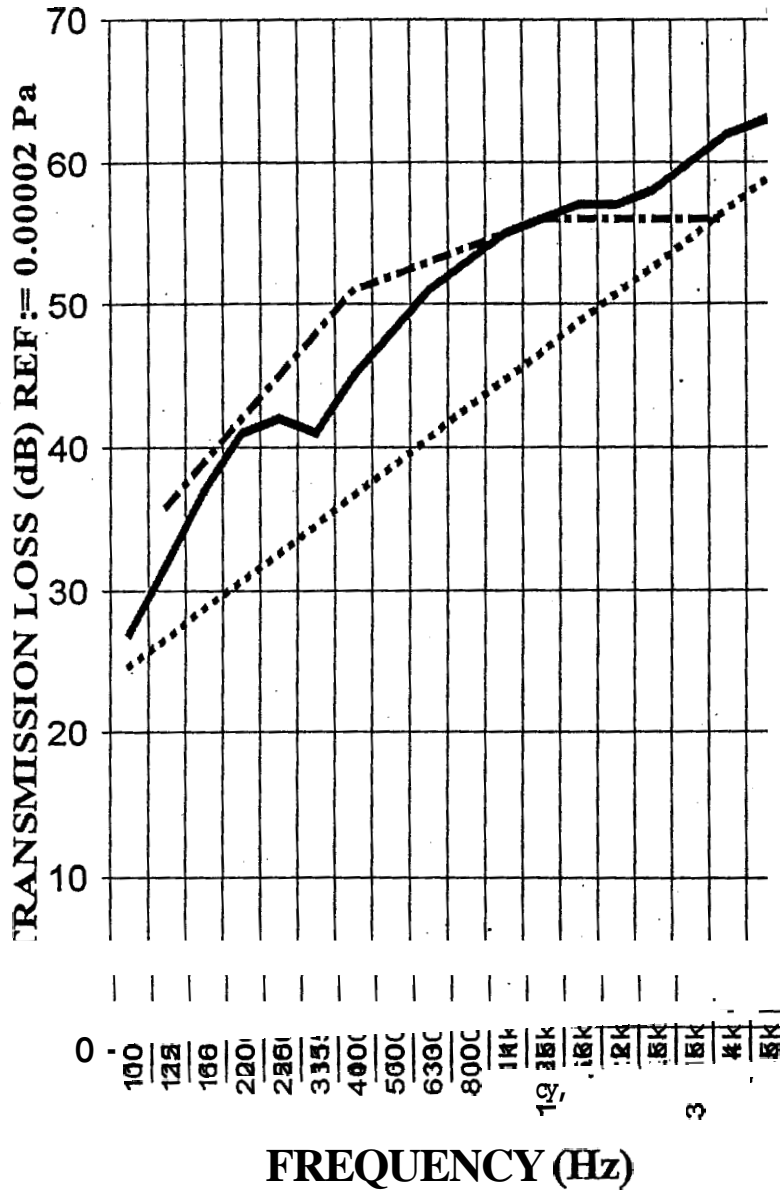


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Alion Science and Technology
TEST REPORT

SOUND TRANSMISSION REPORT
RAL - TL04-050

PAGE 3 OF 3



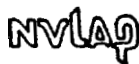
STC = 52

TRANSMISSION LOSS

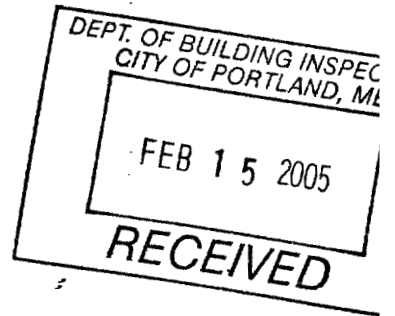
SOUND TRANSMISSION LOSS CONTOUR

MASS LAW

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TEST REPORT

FOR Acoustiblok

Sound Transmission Loss Test
RAL™-TL03-085

ON: Acoustiblok 16

Page 1 of 3

CONDUCTED: 14 March 2003

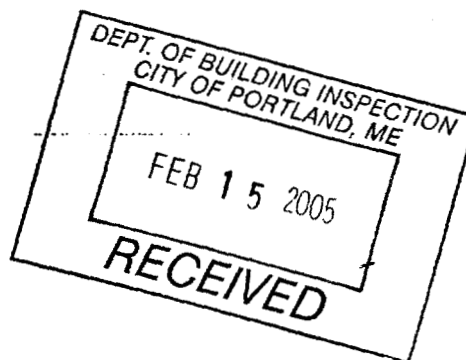
TEST METHOD

Unless otherwise designated, the measurements reported below were made with all facilities and procedures in explicit **conformity** with the ASTM Designations E90-02 and E413-87, as well as other pertinent standards. Riverbank Acoustical Laboratories has been accredited by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program (NVLAP) for this test procedure. A description of the measuring technique is available separately.

DESCRIPTION OF THE SPECIMEN

The **test** specimen was designated by the manufacturer as Acoustiblok 16. The overall dimensions of the specimen as measured were 1.22 m (48 in.) wide by 2.44 m (96 in.) high and 2.54 mm (0.1 in.) thick. The specimen was a 16 oz. per square foot vinyl barrier. The specimen was placed directly in the laboratory's 1.22 m (4 ft) by 2.44 m (8 ft) test opening and was sealed on the periphery (both sides) with a dense mastic.

The weight of the specimen as measured was 13.6 kg (30 lbs.), an average of 4.4 kg/m² (0.9 lbs/ft²). The transmission area used in the calculations was 3 m² (32 ft²). The source and receiving room temperatures at the time of the test were 24±1°C (75±2°F) and 59±1% relative humidity. The source and receive reverberation room volumes were 178 m³ (6,298 ft³) and 139 m³ (4,912 ft³), respectively.



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Acoustiblok

RAL™-TL03-085

14 March 2003

Page 2 of 3

TEST RESULTS

Sound transmission loss values are tabulated at the eighteen standard frequencies. A graphic presentation of the data and additional information appear on the following pages. The precision of the TL test data is within the limits set by the ASTM Standard E90-02.

<u>FREQ.</u>	<u>T.L.</u>	<u>C.L.</u>	<u>DEF.</u>	<u>FREQ.</u>	<u>T.L.</u>	<u>C.L.</u>	<u>DEF.</u>
100	19	0.95		800	25	0.14	3
125	12	0.99		1000	26	0.18	3
160	14	0.59		1250	28	0.16	2
200	16	0.41		1600	30	0.15	
250	17	0.32	2	2000	31	0.08	
315	19	0.32	3	2500	33	0.14	
			5				
400	20	0.22	4	4000	34	0.08	
630	23	0.20	4	5000	38	0.08	

STC=26

ABBREVIATION INDEX

FREQ. = FREQUENCY, HERTZ, (cps)
 T.L. = TRANSMISSION LOSS, dB
 C.L. = UNCERTAINTY IN dB, FOR A 95% CONFIDENCE LIMIT
 DEF. = DEFICIENCIES, dB < STC CONTOUR (SUM OF DEF = 26)
 STC = SOUND TRANSMISSION CLASS



Tested by [Signature]

Approved by [Signature]

David L. Mover

Senior Experimentalist

Laboratory Manager

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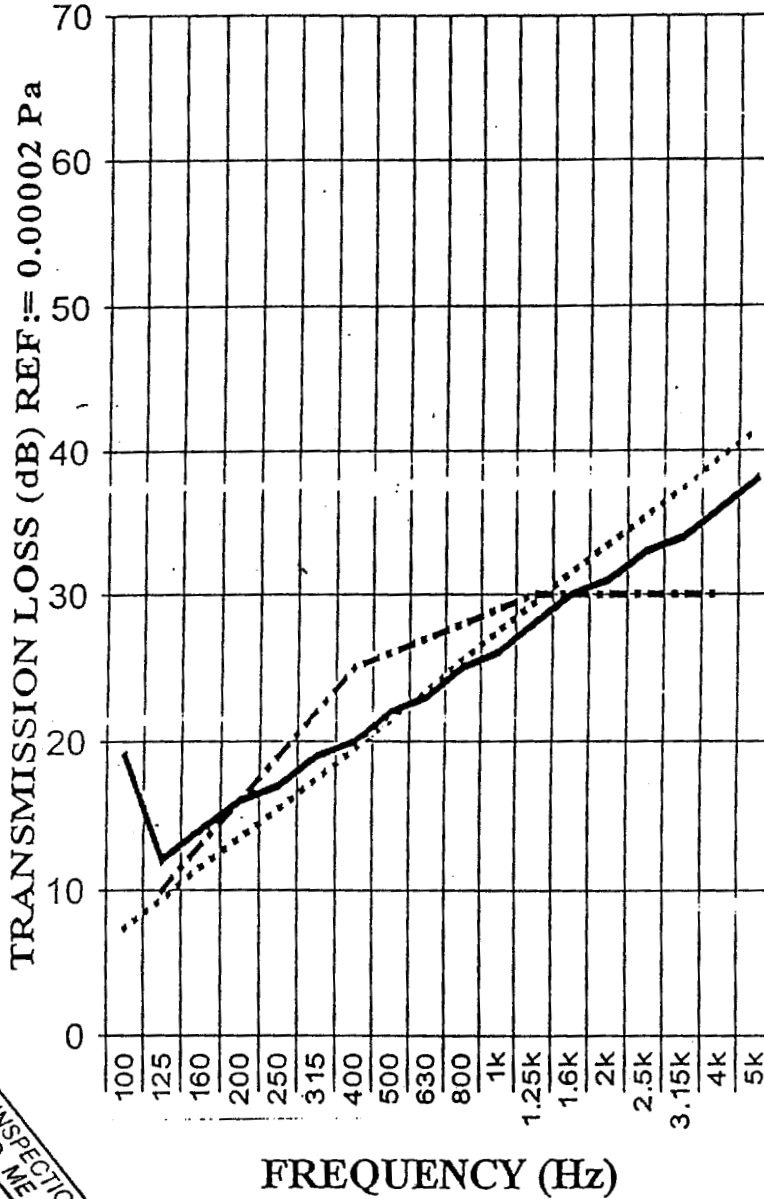
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TEST REPORT

SOUND TRANSMISSION REPORT

RAL - TL03-085

PAGE 3 OF 3



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FREQUENCY (Hz)

STC = 26

TRANSMISSION LOSS

SOUND TRANSMISSION LOSS CONTOUR

MASS LAW

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