

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

PERMIT ISSUED

Please Read Application And Notes, If Any, Attached

BUILDING INSPECTION

Permit Number: 951461
NOV 3 2005

This is to certify that JARITA DEVELOPMENT LLC/Lou Wood
has permission to Build 2-2 unit buildings Building #7 units 11 & 12 building # units 19 & 17
AT 0 LANE AVE L 308 A001001

provided that the person or persons firm or person accepting this permit shall comply with all of the provisions of the Statutes of the State 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.

Verification of inspection must be given and when permission procedure before this building or part thereof is started or service closed-in. 4 HOUR NOTIFICATION REQUIRED.

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

OTHER REQUIRED APPROVALS

Fire Dept. Greg Carr PFD 10-1-05

Health Dept. _____

Appeal Board _____

Other _____
Department Name

[Signature] 11/3/05
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: 05-1461	Issue Date: NOV 1 2005	CHLD PERMIT ISSUED 308 7A001001
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Location of Construction: 0 LANE AVE	Owner Name: JARITA DEVELOPMENT LLC	Owner Address: 159 HARRIS RD	Phone:
Business Name:	Contractor Name: Lou Wood	Contractor Address: 120 Exchange Street Portland	Phone: 207-450-128
Lessee/Buyer's Name	Phone:	Permit Type: Multi Family	Zone: F3H

Past Use: Vacant Land	Proposed Use: Build 2 -2 unit buildings Building #7 units 11 & 15 building #8 units 19 & 17	Permit Fee: \$3,903.00	Cost of Work: \$398,000.00	CEO District: 5
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FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied 1 hour Separation	INSPECTION: Use Group: R-3 Type: SB IRC 2003
Signature: Greg Case	Signature: [Signature]

Proposed Project Description:
Build 2 -2 unit buildings Building #7 units 11 & 15 building #8 units 19 & 17

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)
Action: Approved Approved w/Conditions Denied
Signature: _____ Date: _____

Permit Taken By: Idobson	Date Applied For: 10/04/2005	Zoning Approval	
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<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>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..</p>	<p>Special Zone or Reviews</p> <p><input type="checkbox"/> Shoreland N/A</p> <p><input type="checkbox"/> Wetland N/A</p> <p><input type="checkbox"/> Flood Zone panel 6 - zone X</p> <p><input checked="" type="checkbox"/> Subdivision</p> <p><input checked="" type="checkbox"/> Site Plan 2002-0161 [Signature]</p> <p>Maj <input checked="" type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/></p> <p>OK ABU w/ cond. how</p> <p>Date: 10/13/05 [Signature]</p>	<p>Zoning Appeal</p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date: _____</p>	<p>Historic Preservation</p> <p><input checked="" type="checkbox"/> Not in District or Landmark</p> <p><input type="checkbox"/> Does Not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied [Signature]</p> <p>Date: _____</p>
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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



General Building Permit Application

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>15/11/19/17 Santa Court</u>		
Total Square Footage of Proposed Structure <u>7200SF (2 Buildings of 3600SF)</u>		Square Footage of Lot
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# <u>3CE A CCI</u>	Owner: <u>Santa Development LLC</u> <u>90 Lou Wood</u>	Telephone: <u>450-6128</u>
Lessee/Buyer's Name (If Applicable) <u>N/A</u>	Applicant name, address & telephone: <u>Santa Dev. LLC</u> <u>120 Exchange St.</u> <u>PORTLAND, ME 04101</u>	Cost Of Work: \$ <u>398,000.00</u> Fee: \$ <u>3603.00 + 300</u> C of O Fee: \$ <u>3903.00</u>
Current Specific use: _____ Proposed Specific use: _____		
Project description: <u>Build 2 - 2 Unit Buildings (single family Home)</u> <u>Buildings 7 + 8 at Santa Court</u> <u>Buildings (#7 Units 11+15) (#8 Units #19+17)</u>		
Contractor's name, address & telephone: Who should we contact when the permit is ready: <u>Lou Wood</u> Mailing address: _____ Phone: <u>450-6128</u>		

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME

OCT - 4 2005

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Please submit all of the information outlined in the Commercial Application Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information visit us on line at www.portlandmaine.gov, stop by the Building Inspections office, room 315 City Hall or call 874-8705.

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: <u>[Signature]</u>	Date: <u>10/5/05</u>
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This is not a permit; you may not commence ANY work until the permit is issued.

Applicant/Owner: Jarita Development LLC

Date: 10/11/25

Address: ~~0 Lane Ave~~

C-B-L: 308-A-1

1511, 19, 17 Jantact.

permits 05-1461

CHECK-LIST FOR ZONING COMPLIANCE - PRUDS

Permit Application Number: 05-1461 (foundation permit 05-0344)

New or Existing Development:

Zone Location: R3 PRUD w/ FH overlay

Proposed Work/Use build 2 - 2 unit buildings # units 11 & 15 (~~#7~~) units 17 & 19 (#8)

Interior or corner lot:

Sewage Disposal: City

Street Frontage: 50' min. - 100' shown

Max. Height: 35' max - 22 1/2' scaled

Max. Length of Bldg - with without attached garage(s): 140' max - 72' shown

Min. Setbacks from External Subdivision Property Lines: 25' min - 25' exactly for 17 & 19 & 11

Min. Distance Between Detached PRUD Buildings: 16' min

Required Recreation Open Space: 6000 sq ft min - 6035 sq ft shown

Lot Area Required: 3 acres min for PRUD - 9.21 acres shown

Net Land Area Per Dwelling Unit: $133,647 \div 6,500 = 20.56$ or 20 DU max. 16 DU approved.

Off-street Parking: 2 pty spaces per d.u plus 1 extra for every 6th DU $16 \times 2 = 32$

Site Plan: 2002-0161 (originally approved) major subdivision

Shoreland/Stream Protection: N/A

$\frac{3}{35 \text{ req.}}$
35 shown

Flood Plain: Panel 6 - Zone X

- patio only on #17 & 19
no structure.

11/3/03

14 & 18 Jarita Ct

308-A-1

05-1461

ONE AND TWO FAMILY Soil type/Presumptive Load Value (Table R401.4.1)	PLAN REVIEW Submitted Plan	CHECKLIST	
		Findings	Revisions Date
STRUCTURAL Footing Dimensions/Depth (Table R403.1 & R403.1(1), (Section R403.1 & R403.1.4.1)	12' x 20' 4' min	OK	
Foundation Drainage, Fabric, Damp proofing (Section R405 & R406)	4" Perf/bitum noue Fabric	OK	
Ventilation/Access (Section R408.1 & R408.3) Crawls Space ONLY	N/A	OK	
Anchor Bolts/Straps, spacing (Section R403.1.6)	1/2" 4' o.c.	OK	
Lally Column Type (Section R407)	built up 2x6 as engineered	OK	condition
Girder & Header Spans (Table R 502.5(2)) Built-Up Wood Center Girder Dimension/Type	as engineered 2x6	OK	condition
Sill/Band Joist Type & Dimensions	2x6 PT	OK	
First Floor Joist Species Dimensions and Spacing (Table R502.3.1(1) & Table R502.3.1(2))	Slab	OK	
Second Floor Joist Species Dimensions and Spacing (Table R502.3.1(1) & Table R502.3.1(2))	2x10 16' o.c	OK	
Attic or additional Floor Joist Species Dimensions and Spacing (Table R802.4(1) and R802.4(2))	Trusses 24" o.c	OK	

Pitch, Span, Spacing & Dimension (Table R802.5.1(1) - R 802.5.1(8))	6' 12 Trusses	OK
Roof Rafter; Framing & Connections (Section R802.3 & R802.3.1)	Truss Beam w/ Engin.	OK
Sheathing; Floor, Wall and roof (Table R503.2.1.1(1))	5/4 T&G, 7/16 CDX, CDX w/ H CLIPS	OK
Fastener Schedule (Table R602.3(1) & (2))	IRC 2003	OK
Private Garage (Section R309) Living Space? (Above or beside)		
Fire separation (Section R309.2)	5/8" x acoustical ceiling	OK
Opening Protection (Section R309.1)	1 hr doors	OK
Emergency Escape and Rescue Openings (Section R310)	Paradigm spec sheet	OK
Roof Covering (Chapter 9)	Asphalt	OK
Safety Glazing (Section R308)	Asphalt	OK
Attic Access (Section R807)	22" x 30" scuttle	OK
Chimney Clearances/Fire Blocking (Chap. 10)	N/A	
Header Schedule (Section 502.5(1) & (2))	As noted on plan	Eng design
Energy Efficiency (N1101.2.1) R-Factors of Walls, Floors, Ceilings, Building Envelope, U-Factor Fenestration	Foundation/Slab insulated walls R-19 - Cap R=38	received Fax #33,034

Window?

Type of Heating System	Baxi Luna direct vent	OK
Means of Egress (Sec R311 & R312)		
Basement	N/A	OK
Number of Stairways	2	OK
Interior	2	OK
Exterior	1" Rise (Tread)	OK
Treads and Risers (Section R311.5.3)	3' min	OK
Width (Section R311.5.1)	6'8" min.	OK
Headroom (Section R311.5.2)	34" handrail	OK
Guardrails and Handrails (Section R312 & R311.5.6 - R311.5.6.3)	As noted per code	OK
Smoke Detectors (Section R313)	As submitted	OK
Location and type/Interconnected	As submitted	OK
Dwelling Unit Separation (Section R317) and IBC - 2003 (Section 1207)	Grade	OK
Deck Construction (Section R502.2.1)	Roof 2x8 16' o.c. Beam 3x6 2x8 ceiling	OK



Versatec™

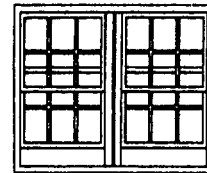
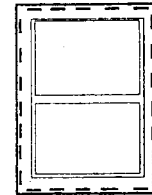


APPLICATORS
SALES & SERVICE, INC.

Window Solutions For Life.

VERSATEC - A Standard New Construction Double Hung Win

Suggested Single Unit					Double Unit			
Call Size	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	\$406	6 / 6	40 x 60	100	DH4060-2	\$850	79 1/2 x 60	138
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 Window

- 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

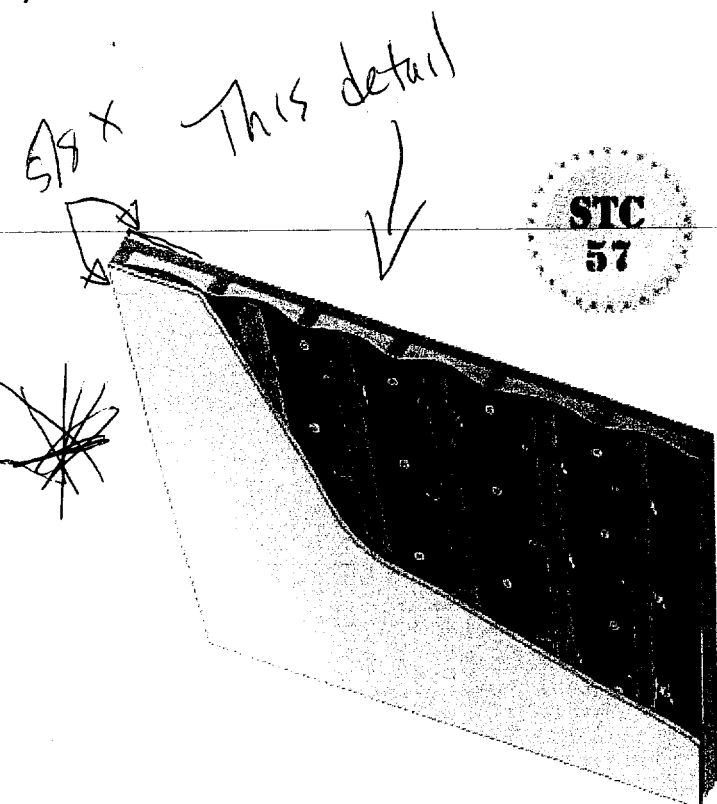
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CITY OF PORTLAND, ME

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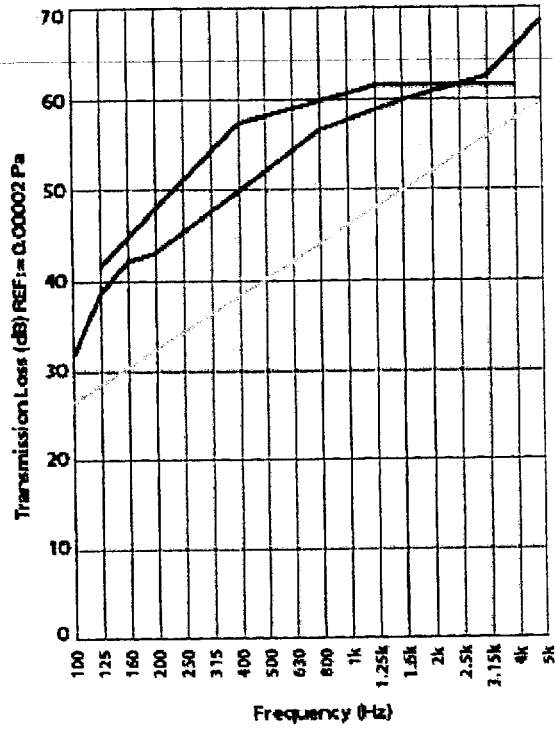
Effective Date
March, 2004

Prices subject to change
without notice



**STC
57**

Sound Transmission Report
RAL - TL04-275



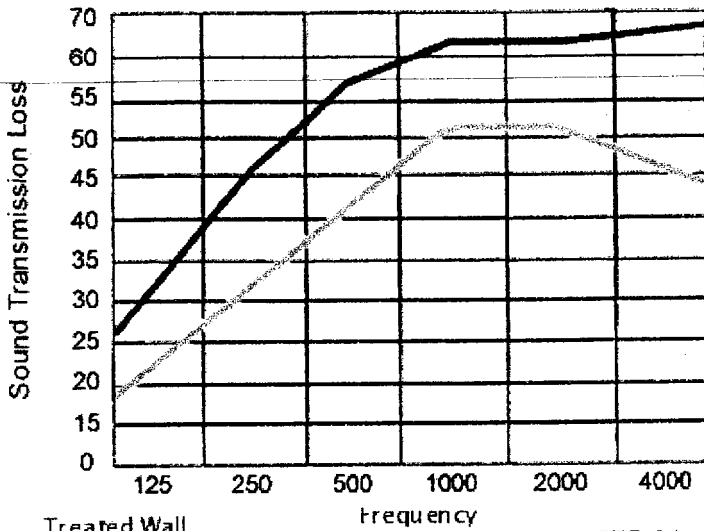
Extended Frequency Data

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

STC = 57
 — Transmission Loss
 - - - Sound Transmission
 . . . Mass Law

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ACOUSTICAL DATA



Treated Wall
--- Standard Wall Construction STC 34
— Acoustiblok® Treated Wall STC 52

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

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[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

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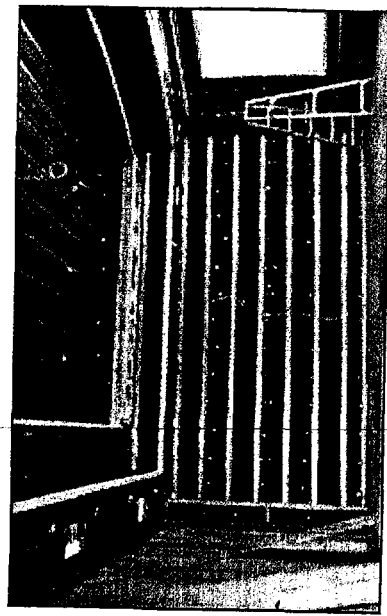
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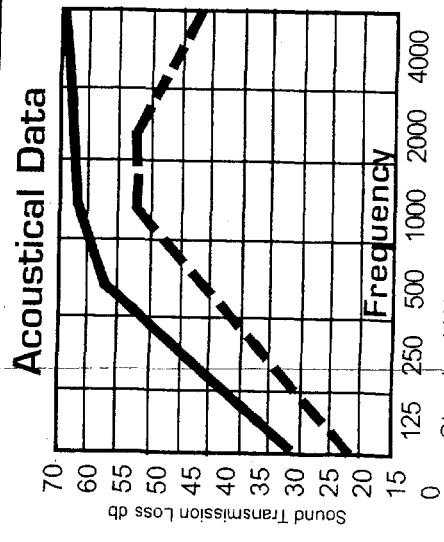
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Acoustiblok is a 1 lb. psf, reinforced, noise isolating material which is utilized as a structural treatment for reducing sound transmission. It contains no lead or asbestos materials. Acoustiblok is typically applied as part of layered wall or floor 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 .11± .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



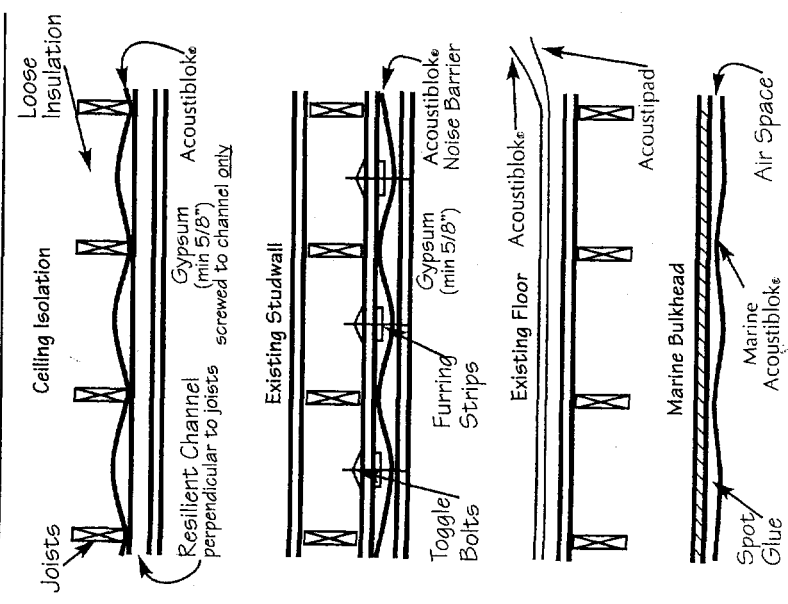
— Standard Wall Construction STC 41
 - - - Acoustiblok Treated Wall STC 50

Applications

- Residential
- Industrial
- Condos
- Apartment
- 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

Acoustiblok

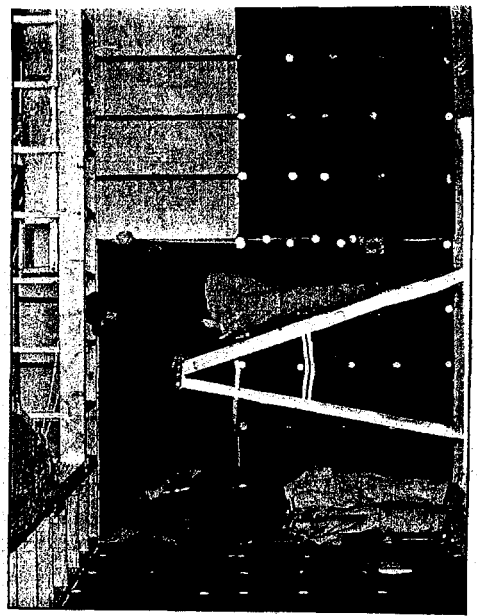
When What You Don't Hear Counts

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 increase dramatically in our business and personal lives.

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

Today's construction techniques do not let themselves to noise reduction. The materials used (any) are fiberglass, foam insulation, sound board, 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." "Presente-

Installation Methods

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

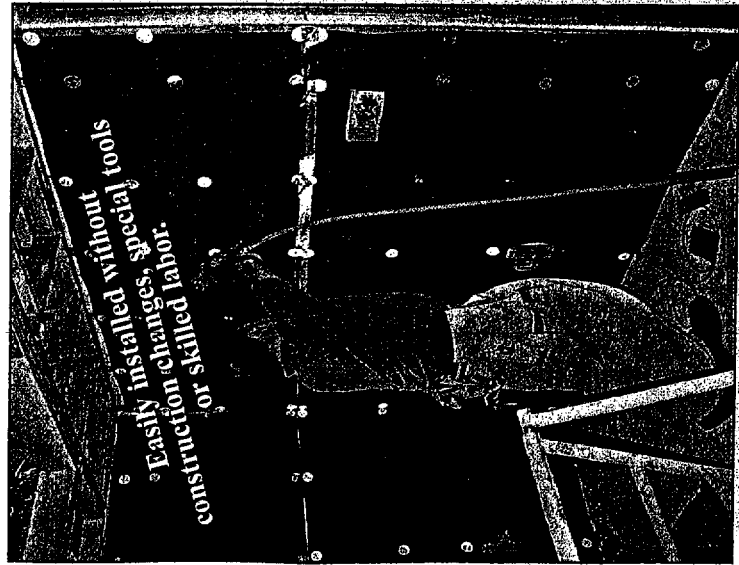
Stapling with a tin roof cap is an easy method to attach Acoustiblok® to studs, ceiling joists or furring strips.

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.

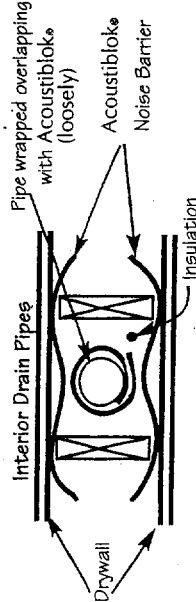
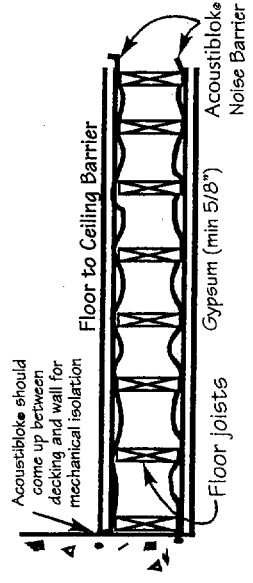
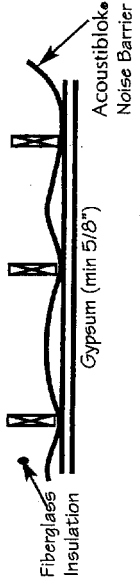
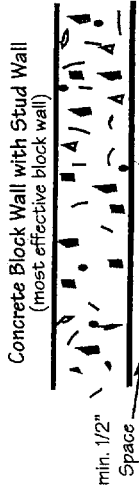
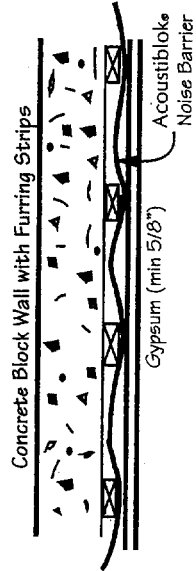
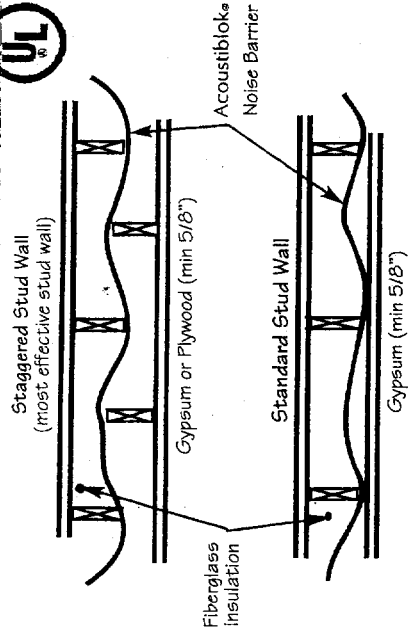
The best sound barrier is one that absorbs the acoustic energy. Therefore, the best results are when the product is left somewhat loose i.e. stapled to studs before drywall is hung.

Acoustiblok® also helps in eliminating solid mechanical linkage, which is a major cause of sound transmission.

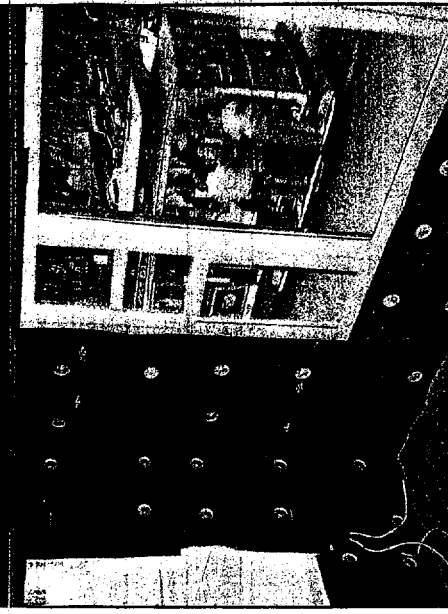


• Easily installed without construction changes, special tools or skilled labor.

www.acoustiblok.com



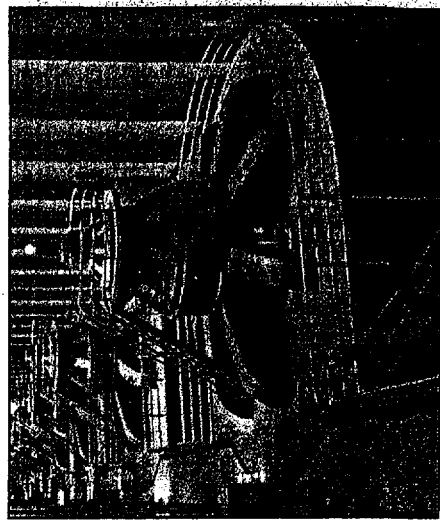
(More) 2



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) (CTR 20)

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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

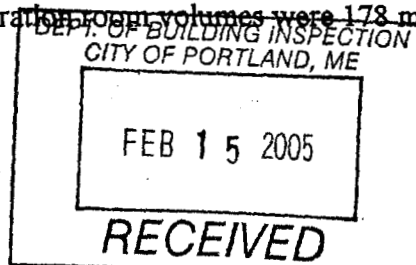
Unless otherwise designated, the measurements reported below were made with all facilities and procedures in explicit conformity with the ASTM Designations E90-02 and E413-87, as well as other pertinent standards. Riverbank Acoustical Laboratories has been accredited by the U.S. Department of Commerce, 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 16 oz. 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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NVLAP

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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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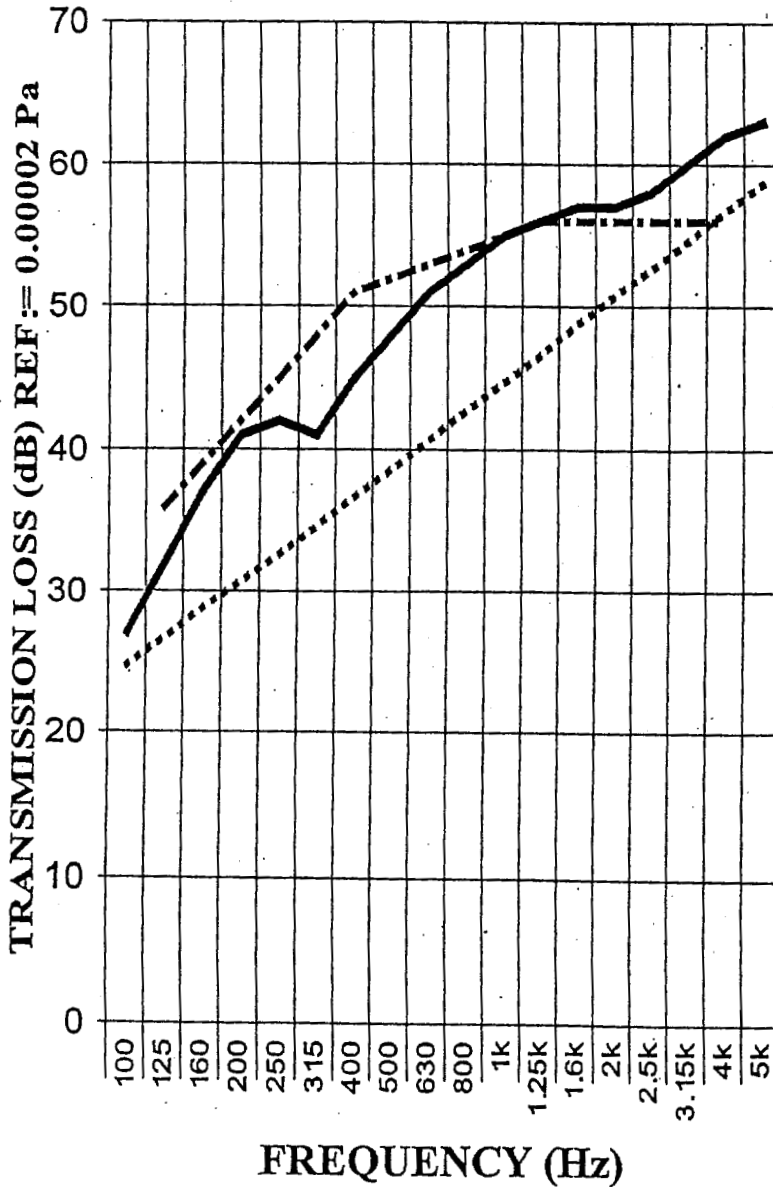
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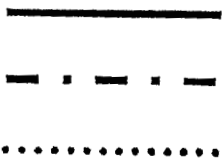
TEST REPORT

SOUND TRANSMISSION REPORT
RAL - TL04-050

PAGE 3 OF 3



STC = 52



TRANSMISSION LOSS

SOUND TRANSMISSION LOSS CONTOUR

MASS LAW

DEPT. OF BUILDING INSPECTIC
CITY OF PORTLAND, ME

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TEST REPORT

FOR: Acoustiblok

Sound Transmission Loss Test

RAL™-TLO3-085

ON: Acoustiblok 16

Page 1 of 3

CONDUCTED: 14 March 2003

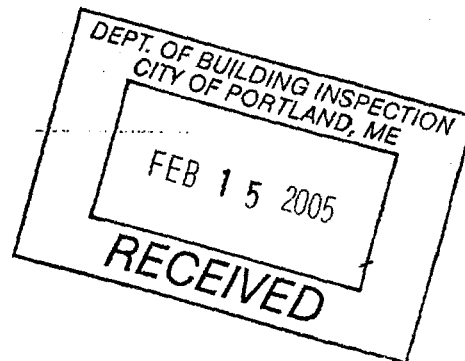
TEST METHOD

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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TEST REPORT

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	
400	20	0.22	5	3150	34	0.09	
500	22	0.22	4	4000	36	0.10	
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 Dean Victor
Dean Victor
Senior Experimentalist

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

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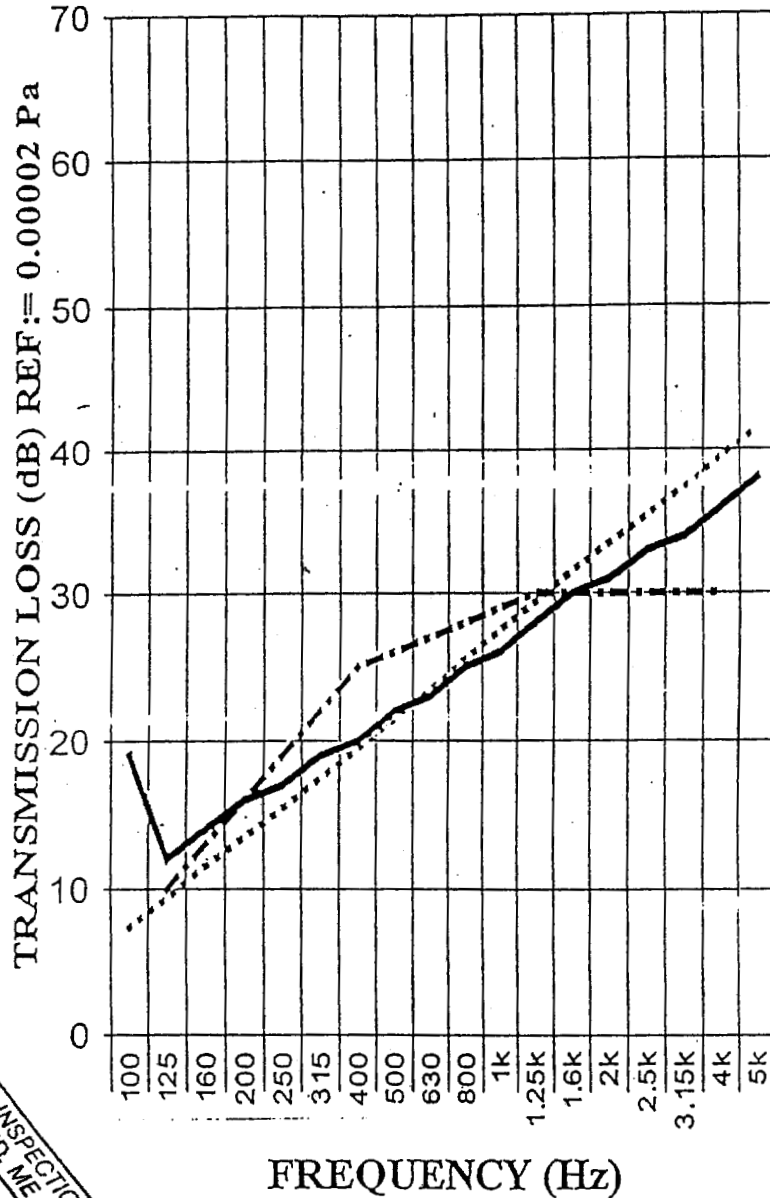
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TEST REPORT

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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NVLAP

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Double Hung windows have full interlock system at meeting rail with two lines of weatherstripping.



Double Hung windows have 6" reinforced sloped sill for better drainage, strength and a traditional appearance.



All Paradigm windows feature multiple chamber profiles for superior insulation and rigidity.



Low profile ergonomic, aesthetic sash looks and tilt-latches compliment the stylish window design.



Sash operates with a 1/2" stainless steel constant force coil spring balance for a lifetime of effortless operation and reliability.



Choose between no grille, traditional flat profile or contour shape colonial grille between the glass.



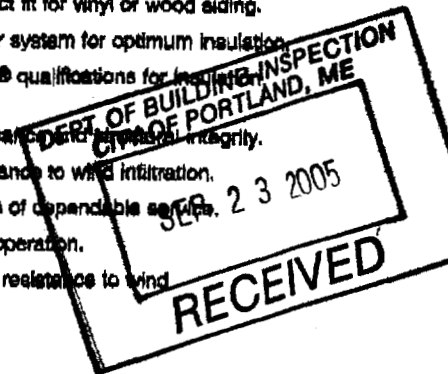
Thermopane units utilize Cardinal Low E glass and TruSeal Swiggle spacer for the best insulating value and clarity of view, including a lifetime glass seal warranty.



Cleaning your windows is simplified by easy-to-operate bottom tilting sash.

Features found in Paradigm Versatec windows:

- Molded in J channel gives the exterior a finished appearance and is a perfect fit for vinyl or wood siding.
- 3/4" Low E² thermopane unit utilizing warm edge technology Swiggle spacer system for optimum insulation.
- Tested to stringent standards and compliant with all NFRC and Energy Star[®] qualifications for insulating structural strength and resistance to the elements.
- Fully-welded, multiple chamber sash and frame for superior thermal performance and structural integrity.
- Triple weatherstripping where sash meet the frame jambs for superior resistance to wind infiltration.
- EPDM sill bulb for positive seal against water and wind penetration for years of dependable service.
- 1/2" stainless steel constant force balance for effortless, worry-free ease of operation.
- Full interlock with two weatherstrips at the meeting rail of the sash for better resistance to wind infiltration and security.
- Internally reinforced 6" sloped sill for optimum drainage.
- Attractive balance channel covers for aesthetics and air resistance.
- Extruded full screen included.
- Higher Standard Lifetime Warranty covering manufacturing defects and parts. Consult the written warranty for specific coverage information.



JARITA CONDO WINDOWS

At Paradigm, we do it all for U! U is defined as the heat flow through the glazing system. When you specify our StarBrite[™] glazing system featuring Cardinal IG glass the best Low E² energy saving glass in the industry and TruSeal swiggle warm edge technology spacer system you get a window that's been tested and is NFRC compliant and exceeds all Energy Star[®] qualifications for the industry. Compare Paradigm's U-values and see why we're your best choice in windows!

Window Size	Glass Type	U Glass	U Unit	S.H.C. Unit	V.L.T. Unit	Air Infil. @5mph	Water P&P	Structural Rating (PSP)	Structural Class (AAMA)	Overall Rating
28x80	Clear	.48	.48	.80	.66	.10 CFM	5.25	90	R60	H-R85
36x80	Low E ²	.30	.33	.34	.68	.10 CFM	5.25	90	R60	H-R86
36x80	Low E ² /Argon	.25	.29	.34	.66	.10 CFM	5.25	90	R60	H-R85
44x80	Clear	.45	.49	.62	.66	.10 CFM	5.25	75	R50	H-R86
44x80	Low E ²	.30	.34	.34	.68	.10 CFM	5.25	75	R50	H-R86
44x80	Low E ² /Argon	.25	.30	.34	.66	.10 CFM	5.25	75	R50	H-R85

*Low E² is standard in Versatec. Argon is optional.

S.H.C. is Shading Coefficient.
 V.L.T. is Visible Light Transmittance.



Energy Star[™] Program, U.S. Environmental Protection Agency www.epa.gov/energy_star
 NFRC, Nation Penetration Rating Council www.nfrc.org

