

MJD BAR VENTURES I LLC
197 SECOND AVENUE
NEW YORK NY 10003

MANHATTAN COMMUNITY BOARD 3
SLA OP LICENSE APPLICATION
MEETING: OCTOBER 15 2018



THE CITY OF NEW YORK
 MANHATTAN COMMUNITY BOARD 3
 59 East 4th Street - New York, NY 10003
 Phone (212) 533-5300
 www.cb3manhattan.org - info@cb3manhattan.org

Alysha Lewis-Coleman, Board Chair

Susan Stetzer, District Manager

Community Board 3 Liquor License Application Questionnaire

Please bring the following items to the meeting:

NOTE: ALL ITEMS MUST BE SUBMITTED FOR APPLICATION TO BE CONSIDERED.

- Photographs of the inside and outside of the premise.
- Schematics, floor plans or architectural drawings of the inside of the premise.
- A proposed food and or drink menu.
- Petition in support of proposed business or change in business with signatures from residential tenants at location and in buildings adjacent to, across the street from and behind proposed location. Petition must give proposed hours and method of operation. For example: restaurant, sports bar, combination restaurant/bar. (petition provided)
- Notice of proposed business to block or tenant association if one exists. You can find community groups and contact information on the CB 3 website: http://www.nyc.gov/html/mancb3/html/communitygroups/community_group_listings.shtml
- Proof of conspicuous posting of notices at the site for 7 days prior to the meeting (please include newspaper with date in photo or a timestamped photo).

Check which you are applying for:

- new liquor license alteration of an existing liquor license corporate change

Check if either of these apply:

- sale of assets upgrade (change of class) of an existing liquor license

Today's Date: 10/2/2018

If applying for sale of assets, you must bring letter from current owner confirming that you are buying business or have the seller come with you to the meeting.

Is location currently licensed? Yes No Type of license: N/A

If alteration, describe nature of alteration: N/A

Previous or current use of the location: BAR

Corporation and trade name of current license: N/A

APPLICANT:

Premise address: 197 2ND AVENUE NEW YORK NY 10003

Cross streets: 12TH AND 13TH STREET

Name of applicant and all principals: MJD BAR VENTURES I LLC
JOHN BUSH, DAVID MASSONI, MATTHEW MCCUSKER

Trade name (DBA): BLACK EMPEROR

PREMISE:

Type of building and number of floors: MIXED / 5 FLOORS

Will any outside area or sidewalk cafe be used for the sale or consumption of alcoholic beverages? (includes roof & yard) Yes No If Yes, describe and show on diagram: 4 tables / 12 seats

Does premise have a valid Certificate of Occupancy and all appropriate permits, including for any back or side yard use? Yes No What is maximum NUMBER of people permitted? <74

*LNO/CO pending

Do you plan to apply for Public Assembly permit? Yes No

What is the zoning designation (check zoning using map: <http://gis.nyc.gov/doitt/nycitymap/> - please give specific zoning designation, such as R8 or C2):

R7A / C1-5

PROPOSED METHOD OF OPERATION:

Will any other business besides food or alcohol service be conducted at premise? Yes No

If yes, please describe what type: n/a

What are the proposed days/hours of operation? (Specify days and hours each day and hours of outdoor space) MON - WED 5PM - 3AM , THUR - SAT 5PM - 4 AM , SUN 5PM - 2AM

Number of tables? 9 Total number of seats? 35 SEATS AT TABLES

2 RAILS: 14 SEATS

How many stand-up bars/ bar seats are located on the premise? 1 BAR / 10 SEATS

(A **stand up bar** is any bar or counter (whether with seating or not) over which a patron can order, pay for and receive an alcoholic beverage)

Describe all bars (length, shape and location): RECTANGULAR / RIGHT SIDE OF PREMISE /

Does premise have a full kitchen Yes No?

Does it have a food preparation area? Yes No (If any, show on diagram)

Is food available for sale? Yes No If yes, describe type of food and submit a menu

ASIAN FUSION TAPAS/SMALL PLATES

What are the hours kitchen will be open? MON - WED 5PM-2AM , THUR - SAT 5PM-3 AM , SUN 5PM-1AM

Will a manager or principal always be on site? Yes No If yes, which? MATTHEW MCCUSKER

How many employees will there be? 5-10

Do you have or plan to install French doors accordion doors or windows?

WINDOWS WILL NOT BE OPENED

Will there be TVs/monitors? Yes No (If Yes, how many?) _____

Will premise have music? Yes No

If Yes, what type of music? Live musician DJ Juke box Tapes/CDs/iPod

If other type, please describe N/A

What will be the music volume? Background (quiet) Entertainment level

Please describe your sound system: rockwool insulations and JBL speakers connected to jukebox

Will you host any promoted events, scheduled performances or any event at which a cover fee is charged? If Yes, what type of events or performances are proposed and how often? NO

How do you plan to manage vehicular traffic and crowds on the sidewalk caused by your establishment? Please attach plans. (Please do not answer "we do not anticipate congestion.")

Will there be security personnel? Yes No (If Yes, how many and when) _____
security plan and details pending with security company - will supply at the meeting

How do you plan to manage noise inside and outside your business so neighbors will not be affected? Please attach plans.

Do you have sound proofing installed? Yes No (Rockwool insulation)

If not, do you plan to install sound-proofing? Yes No

APPLICANT HISTORY: **PLEASE SEE ATTACHED FOR APPLICANT HISTORY

Has this corporation or any principal been licensed previously? Yes No

If yes, please indicate name of establishment: ATTACHED

Address: _____ Community Board # _____

Dates of operation: _____

Has any principal had work experience similar to the proposed business? Yes No If Yes, please attach explanation of experience or resume.

Does any principal have other businesses in this area? Yes No If Yes, please give trade name and describe type of business RICE AND GOLD RESTAURANT AT THE BOWERY HOTEL-

Has any principal had SLA reports or action within the past 3 years? Yes No If Yes, attach list of violations and dates of violations and outcomes, if any.

Attach a separate diagram that indicates the location (**name and address**) and total number of establishments selling/serving beer, wine (B/W) or liquor (OP) for 2 blocks in each direction. Please indicate whether establishments have On-Premise (OP) licenses. Please label streets and avenues and identify your location. Use letters to indicate **Bar, Restaurant**, etc. The diagram must be submitted with the questionnaire to the Community Board before the meeting.

LOCATION:

How many licensed establishments are within 1 block? SEE LAMP REPORT

How many On-Premise (OP) liquor licenses are within 500 feet? 14 (INCLUDING THE PREVIOUS LICENSE AT THIS LOCATION)

Is premise within 200 feet of any school or place of worship? Yes No

COMMUNITY OUTREACH:

Please see the Community Board website to find block associations or tenant associations in the immediate vicinity of your location for community outreach. Applicants are encouraged to reach out to community groups. Also use provided petitions, which clearly state the name, address, license for which you are applying, and the hours and method of operation of your establishment at the top of each page. (Attach additional sheets of paper as necessary).

*TO BE PRESENTED AT THE MEETING

We are including the following questions to be able to prepare stipulations and have the meeting be faster and more efficient. Please answer per your business plan; do not plan to negotiate at the meeting.

1. I will operate a full-service restaurant, specifically a (type of restaurant) _____, with a kitchen open and serving food during all hours of operation OR I have less than full-service kitchen but will serve food all hours of operation.
2. I will close any front or rear façade doors and windows at 10:00 P.M. every night or when amplified sound is playing, including but not limited to DJs, live music and live nonmusical performances.
3. I will not have DJs, live music, promoted events, any event at which a cover fee is charged, scheduled performances, more than ____ DJs / promoted events per ____, more than 15 private parties per YEAR.
4. I will play ambient recorded background music only.
5. I will not apply for an alteration to the method of operation or for any physical alterations of any nature without first coming before CB 3.
6. I will not seek a change in class to a full on-premise liquor license without first obtaining approval from CB 3.
7. I will not participate in pub crawls or have party buses come to my establishment.
8. I will not have a happy hour or drink specials with or without time restrictions OR I will have happy hour and it will end by 7PM.
9. I will not have wait lines outside. I will have a staff person responsible for ensuring no loitering, noise or crowds outside.
10. Residents may contact the manager/owner at the number below. Any complaints will be addressed immediately. I will revisit the above-stated method of operation if necessary in order to minimize my establishment's impact on my neighbors.

LICENSE HISTORY FOR THE PRINCIPALS:

BROOKLYN CB#7

License Information

Serial Number: 1236613
License Type: ON-PREMISES LIQUOR
License Status: License is Inactive
Credit Group: 1
Filing Date: 12/29/2009
Effective Date: 05/01/2016
Expiration Date: 04/30/2018

Premises Information

Principal's Name: BUSH, JOHN A
WEITZMAN, REBECCA L
BURKETT, MICHAEL JOHN
MASSONI, DAVID W
Premises Name: THT RESTAURANT GROUP LLC
Trade Name: THISTLE HILL TAVERN
Zone: 1
Address: 362 15TH STREET
15TH AND 16TH STREETS
BROOKLYN, NY 11215
County: KINGS

BROOKLYN CB#6

License Information

Serial Number: 1264032
License Type: ON-PREMISES LIQUOR
License Status: License is Inactive
Credit Group: 2
Filing Date: 06/19/2012
Effective Date: 08/08/2016
Expiration Date: 07/31/2018

Premises Information

Principal's Name: TALDE, DALE
MASSONI, DAVID
BUSH, JOHN A
KORTYE, GARY
LANDAU, MICHAEL
SANDRASAGRA, MITHRE
MOORE, DAVID
ARCE, PETER
GAGLIANO, MICHAEL
Premises Name: P55BKLYN LLC
Trade Name: PORK SLOPE
Zone: 1
Address: 247 5TH AVE
BROOKLYN, NY 11215
County: KINGS

BROOKLYN CB#6

License Information

Serial Number: 1259333
License Type: ON-PREMISES LIQUOR
License Status: License is Active
Credit Group: 2
Filing Date: 11/29/2011
Effective Date: 01/01/2018
Expiration Date: 12/31/2019

Premises Information

Principal's Name: TALDE, DALE JON
MASSONI, DAVID W
MOORE, DAVID
TALDE, EVA
BUSH, JOHN A
LEKOVIC CICIC, MAJA
SANDRASAGRA, MITHRE JOSEPH
ARCE, PETER
VILLANOSA, RACHEL
VILLANOSA SOLIZA, RETCEM
SHRIME, RYAN PHILLIP
Premises Name: THREE KINGS OF KINGS COUNTY LLC
Trade Name: TALDE
Zone: 1
Address: 369 7TH AVE
BROOKLYN, NY 11215
County: KINGS

MANHATTAN CB#5

License Information

Serial Number: 1294594
License Type: HOTEL LIQUOR
License Status: License is Active
Credit Group: 4
Filing Date: 05/12/2016
Effective Date: 11/01/2016
Expiration Date: 10/31/2018

Premises Information

Principal's Name: CHAN, STEPHEN
BARON, MATTHEW
BUSH, JOHN
MASSONI, DAVID
TALDE, DALE
CUISIE 31, LLC
Premises Name: AYYA F&B LLC AND DJDATARLONOMAD LLC
Trade Name: MASSONI; ARLO NOMAD
Zone: 1
Address: 11 E 31ST ST
NEW YORK, NY 10016
County: NEW YORK

MANHATTAN CB#3

License Information

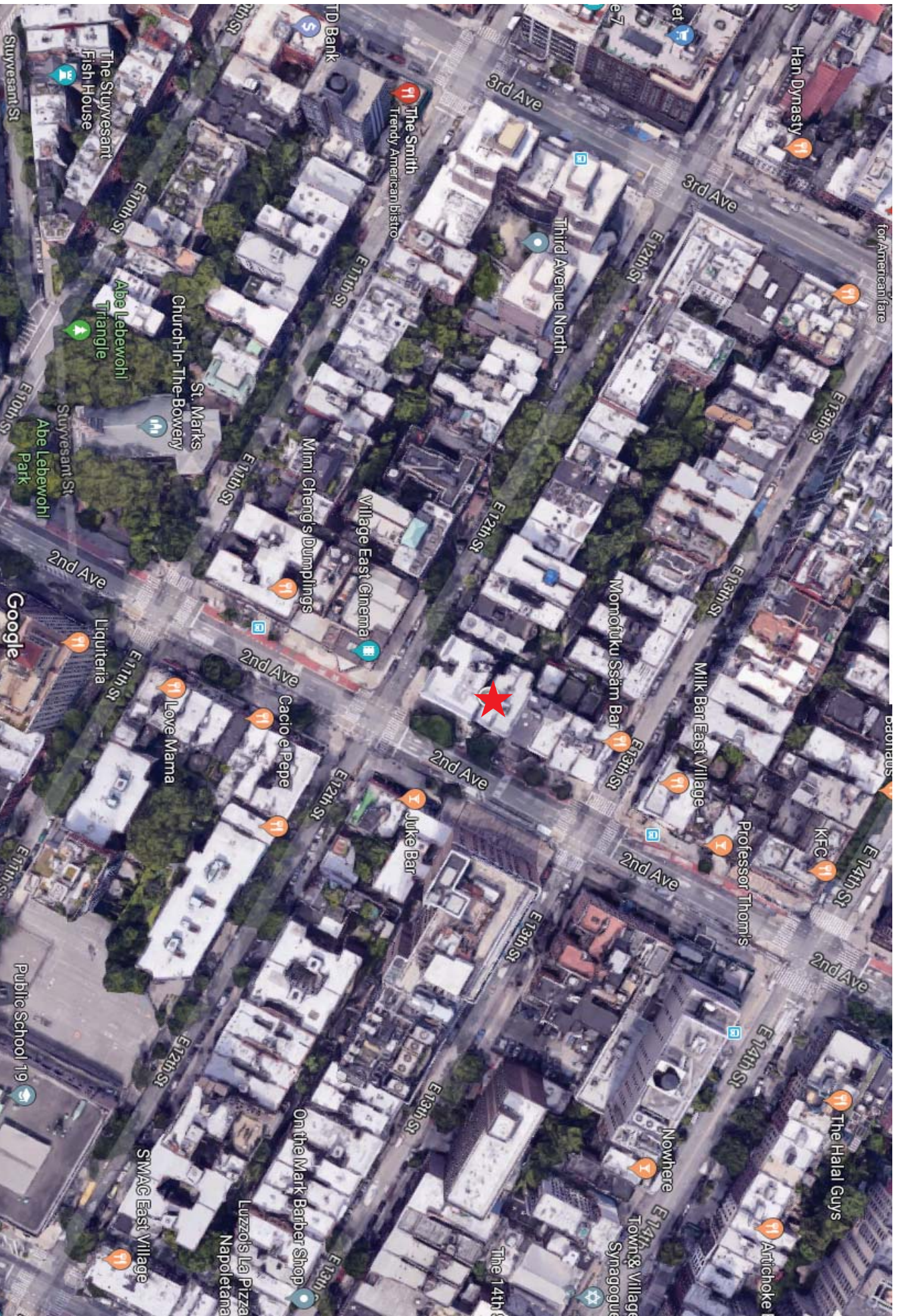
Serial Number: 1300384
License Type: HOTEL LIQUOR
License Status: License is Active
Credit Group: 4
Filing Date: 02/16/2017
Effective Date: 05/12/2017
Expiration Date: 04/30/2019

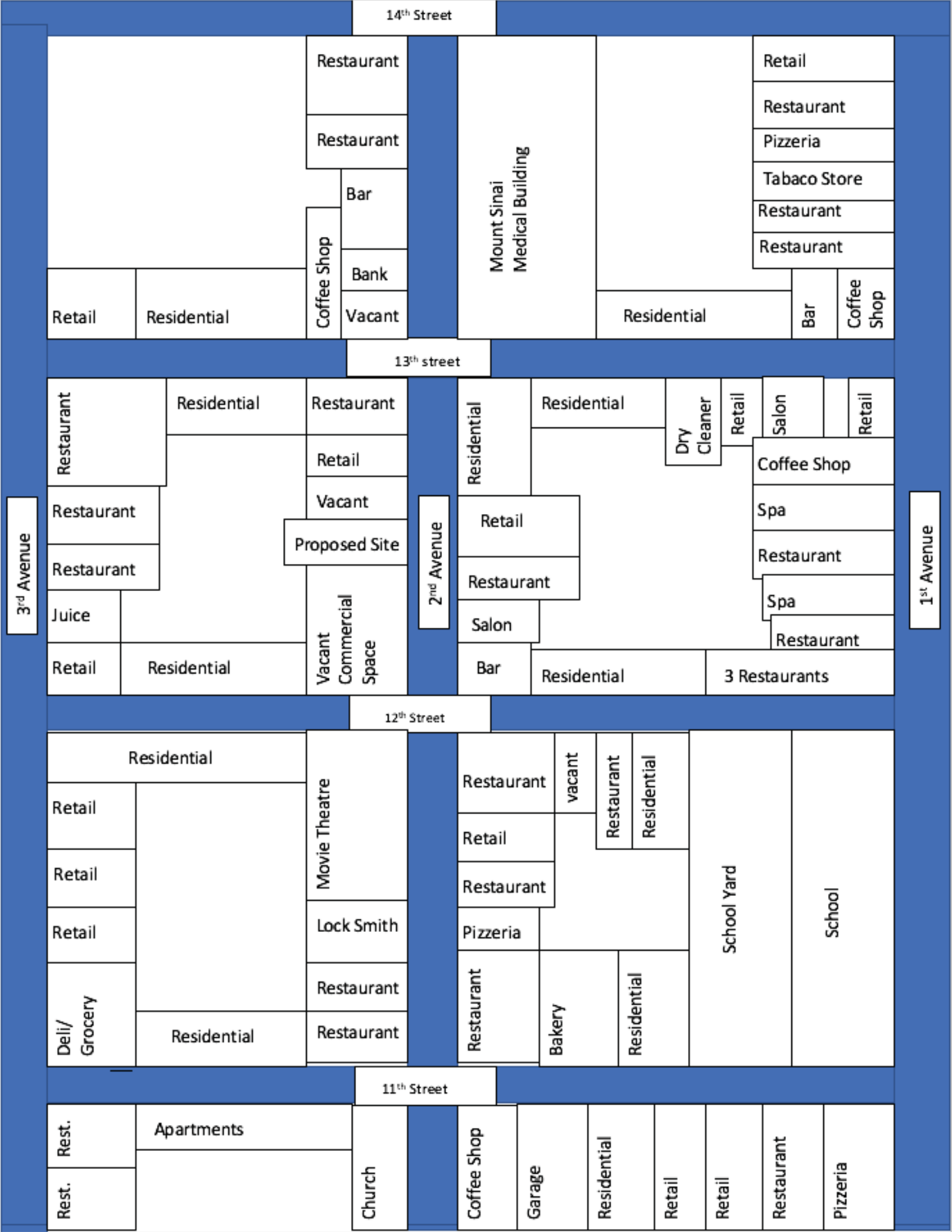
Premises Information

Principal's Name: HARILELA, ARON
COLOMBINI, ANTHONY P
CHU, IRENE
CHU, ALEXANDER F
50 BOWERY, INC
CHU FAMILY 2010, TRUST
JOSEPH CHU 1997, TRUST
MASSONI, DAVID W
TALDE, DALE J
LINN, LEWIS M
LOWE, MICHAEL H
LOWE JR, ROBERT J
LOWE, ROBERT J
LOWE, ELIZABETH

Premises Name: BRIDGEVIEW HOTEL LLC,DJD 50 BOWERY LLC&JOIE DE VIV
Trade Name: -RE HOSPITALITY LLC, DBA: RICE & GOLD
Zone: 1
Address: 50 BOWERY
LOBBY LEVEL
NEW YORK, NY 10013
County: NEW YORK

Google satellite map of the area:





14th Street

Restaurant

Restaurant

Bar

Coffee Shop

Bank

Vacant

Mount Sinai
Medical Building

Retail

Restaurant

Pizzeria

Tabaco Store

Restaurant

Restaurant

Retail

Residential

Residential

Bar

Coffee Shop

13th street

Restaurant

Residential

Restaurant

Residential

Residential

Dry
Cleaner

Retail

Salon

Retail

Restaurant

Retail

Vacant

Proposed Site

2nd Avenue

Retail

Coffee Shop

Spa

Restaurant

Spa

Restaurant

Restaurant

Juice

Vacant
Commercial
Space

Restaurant

Salon

Bar

Residential

3 Restaurants

1st Avenue

Retail

Residential

12th Street

Residential

Retail

Retail

Retail

Deli/
Grocery

Residential

Movie Theatre

Lock Smith

Restaurant

Restaurant

Restaurant

Retail

Restaurant

Pizzeria

Restaurant

Bakery

Residential

vacant

Restaurant

Residential

School Yard

School

11th Street

Rest.

Apartments

Church

Coffee Shop

Garage

Residential

Retail

Retail

Restaurant

Pizzeria

Rest.

**Additional Liquor Licenses held within 2 blocks of
197 2nd Avenue New York, NY 10003**

| Trade Name | Address | Est. Type | Lic. Type |
|-----------------------------------|----------------------------------|------------------|------------------|
| Momofoku Ssam Bar | 207 2 nd Avenue | Restaurant | OP |
| 12 th Street Ale House | 192 2 nd Avenue | Bar | OP |
| Juke Bar | 301 East 12 th Street | Bar | OP |
| Cacio E Pepe | 182 2 nd Avenue | Restaurant | OP |
| John's of 12 th Street | 302 E 12 th Street | Restaurant | OP |
| Professor Thom's | 219 2 nd Avenue | Bar | OP |
| Pangea | 178 2 nd Avenue | Restaurant | OP |
| Finnerty's Pub | 221 2 nd Avenue | Bar | OP |
| Numero 28 | 176 2 nd Avenue | Restaurant | OP |
| Duck's Eatery | 351 E 12 th Street | Restaurant | OP |
| Bar Veloce | 245 E 11 th Street | Bar | OP |
| Kings Head Tavern | 222 E 14 th Street | Bar | OP |
| Nowhere | 322 E 14 th Street | Bar | OP |
| Veniero Pasticceria & Café | 342 E 11 th Street | Bakery | OP |
| Beauty Bar | 231 E 14 th Street | Bar | OP |
| Nicholetta | 160 2 nd Avenue | Restaurant | OP |
| NGAM | 99 3 rd Avenue | Restaurant | OP |
| The Penny Farthing | 103 3 rd Avenue | Bar | OP |

18 Total OP Licenses. 8 Restaurants, 1 Bakery, and 9 Bars

500 FOOT MAP (PER LAMP REPORT):



BLUE LINE: MARKS 500 FEET

RED DOT: OP LICENSE

RED TRIANGLE: RW/TW LICENSE

X: PROPOSED PREMISE

Proximity Report for Location:

October 2, 2018

197 2 Ave, New York, NY, 10003

* This report is for informational purposes only in aid of identifying establishments potentially subject to 500 and 200 foot rules. Distances are approximated using industry standard GIS techniques and do not reflect actual distances between points of entry. The NYS Liquor Authority makes no representation as to the accuracy of the information and disclaims any liability for errors.

Closest Liquor Stores

| Name | Address | Approx. Distance |
|----------------------|-------------------------------|------------------|
| MIAT LIQUORS INC | 166 2ND AVE | 505 ft |
| CARMAD INC | 224 226 1ST AVE | 920 ft |
| TASTE WINE LLC | 50 3RD AVE | 920 ft |
| SAKAYA INC | 324 E 9TH STREET (WEST STORE) | 925 ft |
| TRADER JOES EAST INC | 138 E 14TH ST | 1095 ft |
| M J K LIQUORS INC. | 161 3RD AVENUE | 1125 ft |
| MRN LIQUOR INC | 16 SAINT MARKS PL | 1260 ft |

Churches within 500 Feet

| Name | Approx. Distance |
|------|------------------|
|------|------------------|

Schools within 500 Feet

| Name | Address | Approx. Distance |
|------|---------|------------------|
|------|---------|------------------|

On-Premise Licenses within 750 Feet

| Name | Address | Approx. Distance |
|--------------------------|--------------------------------|------------------|
| 211 AVE A RESTAURANT INC | 197 2ND AVE | 10 ft |
| DAIMYO GROUP LLC | 207 2ND AVENUE | 130 ft |
| K BLOOM REALTY LLC | 192 2ND AVE | 180 ft |
| MADDSG LLC | 301 E 12TH ST | 215 ft |
| PEPRICO INC | 182 2ND AVE | 260 ft |
| PJ RESTAURANT INC | 302 E 12TH ST | 260 ft |
| CHURCH & LOUIS INC | 180 2ND AVE | 280 ft |
| PMP VENTURES INC | 219 2ND AVE | 290 ft |
| JUDEX ENTERPRISES INC | 178 2ND AVENUE | 305 ft |
| HUZZAH LLC | 221 2ND AVE | 320 ft |
| LA MERIDIANA I LTD | 176 2ND AVE | 330 ft |
| DUCKS EATERY EV LLC | 351 E 12TH ST | 450 ft |
| FIRST DOWN LLC | 349 E 13TH ST | 470 ft |
| FT 245 CORP | 245 EAST 11TH STREET AKA 175 S | 475 ft |
| K H T ENTERPRISES INC | 222 EAST 14TH STREET | 520 ft |
| 243 E 14TH CAFE INC | 243 E 14TH ST | 525 ft |
| 322 E 14TH STREET CORP | 322 E 14TH ST | 535 ft |
| A VENIERO INC | 342 EAST 11TH STREET | 535 ft |

| Name | Address | Approx. Distance |
|-------------------------|----------------------|------------------|
| JINX PROOF L L C | 231 E 14TH STREET | 565 ft |
| JINX PROOF II LLC | 231 E 14TH ST | 565 ft |
| LETTA #1 LLC | 160 2ND AVE | 575 ft |
| 99 THAI PLAYGROUND LLC | 99 3RD AVE | 585 ft |
| EAST COUNTY LOUTH INC | 103 3RD AVENUE | 590 ft |
| HAN DYNASTY NYU CORP | 90 3RD AVE | 665 ft |
| 325 E 14TH STREET CORP | 325 EAST 14TH STREET | 665 ft |
| 155 SECOND AVE REST INC | 155 2ND AVENUE | 695 ft |
| LONGFORD INC | 98 3RD AVE | 700 ft |
| VINYL ENTERTAINMENT INC | 100 3RD AVE | 705 ft |
| TWO GUIZE LLC | 102 3RD AVE | 705 ft |
| EST RESTAURANT CORP | 349 E 13TH ST | 725 ft |
| 106 3RD AVE NYC INC | 106 3RD AVE | 740 ft |
| SOBAYA RESTAURANT INC | 214 E 10TH ST | 740 ft |
| MSB RESTAURANTS LLC | 151 2ND AVE | 745 ft |

Pending Licenses within 750 Feet

| Name | Address | Approx. Distance |
|---------------------------|----------------------|------------------|
| RAY'S INC I | 201 2ND AVE | 45 ft |
| 31 ORCHARD ST REALTY INC | 301 E 12TH ST | 165 ft |
| DH NEWLAND CORP | 300 E 12TH ST | 210 ft |
| ATLAS HUGGED INCORPORATED | 213 2ND AVE | 215 ft |
| DELPHINUS RESTAURANT CORP | 246 E 14TH ST | 400 ft |
| 4N CORP | 233 E 14TH ST | 560 ft |
| M CULINARY CONCEPTS INC | 211 EAST 14TH STREET | 635 ft |
| E&Y HOSPITALITY LLC | 157 2ND AVE | 685 ft |
| COLOR STRIP LLC | 92 3RD AVE | 700 ft |

Unmapped licenses within zipcode of report location

| Name | Address |
|--------------------|--------------|
| AOA786 LLC | 820 BROADWAY |
| S&D WAVE GROUP INC | 199 2ND AVE |

BLACK EMPEROR BAR

Wasabi Spiced Almonds \$6

Kimchi Pickles \$7

Vegetable Gyoza (3 pieces) \$12

Root Vegetable Tempura \$11

Squid Tempura \$13

Chicken Robata \$15

Fluke Sashimi \$16

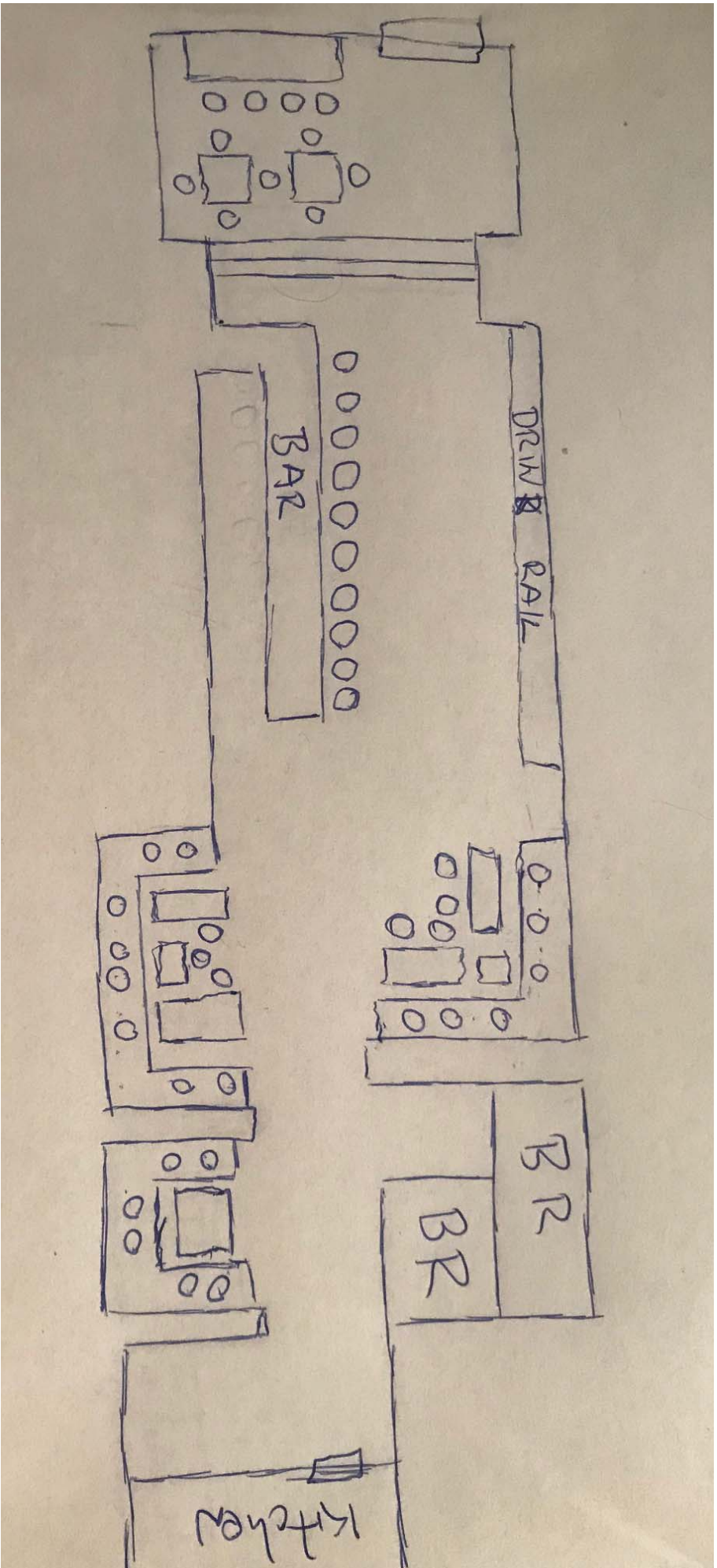
Smoked Chicken Wings (6 pieces) \$13

Shiitake Mushroom Bao (2 pieces) \$12

Fried Fish Bao (2 pieces) \$15

1 BAR / 10 SEATS 9 TABLES / 35 SEATS 1 RAIL AT FRONT OF SPACE / 4 SEATS 1 STANDING RAIL ACROSS FROM BAR / 10 SEATS

GROUND FLOOR:





BASEMENT: STORAGE AND EMPLOYEE USE

INTERIOR:





BASEMENT:





BATHROOMS:



KITCHEN:



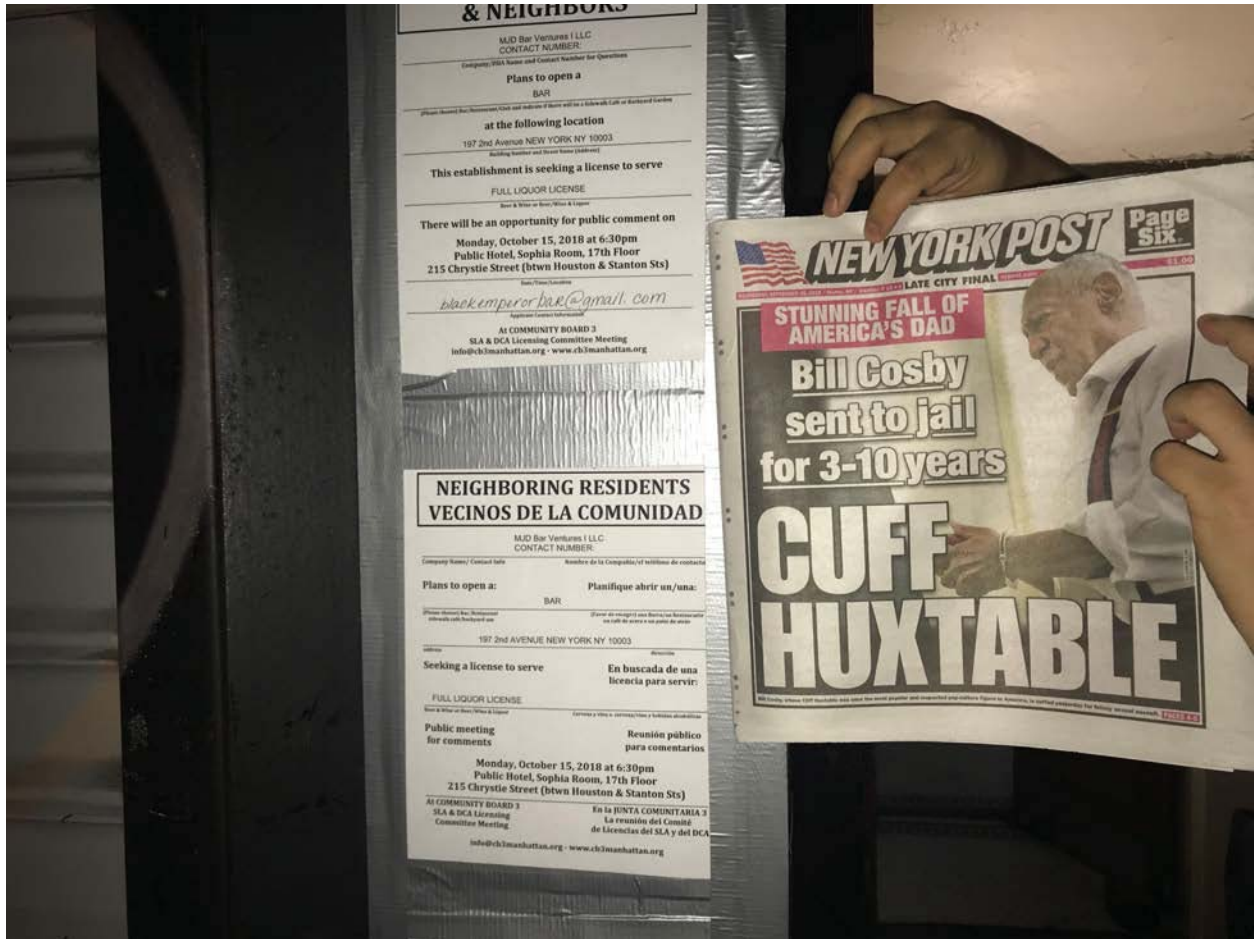
OUTSIDE:



OUTDOOR SEATING OF PREVIOUS TENANT:



**PROOF OF POSTING:
WEDNESDAY 9/26**



Batt insulation that fights both fire and noise.

ROCKWOOL AFB®

ROCKWOOL AFB® is a lightweight, batt insulation specifically designed for steel stud interior wall and floor applications.

This stone wool insulation is made from natural stone and recycled content. It's a sustainable product that provides superior sound absorbency and fire protection for overall occupant comfort and safety. That's why AFB® is quickly becoming the insulation of choice for today's green builders in commercial and industrial construction.

AFB® – Acoustically Better

Sound Transmission Class (STC) values don't take into account Lower Frequency Sounds (LFS) which can cause vibrations between rooms, negatively affecting the sound environment. The higher density of ROCKWOOL AFB® can reduce sound transmission, helping to create a quiet and comfortable space.

Sound Control

When ROCKWOOL AFB® is specified for interior wall or floor assemblies, better overall sound control and fire protection are achieved. Compared to other types of insulation, AFB® provides increased density that effectively reduces airflow and essentially, sound transmissions. Greater noise or sound control is further achieved when thicker AFB® and gypsum board are used together. AFB® thickness ranges from 1.0" (25 mm) to 6" (152 mm).

In commercial applications, much of the sound to be controlled is in the low frequency or bass ranges. This noise includes conversation, projection/video equipment, mechanical rooms and ventilation systems. In the lower 1/3 octave bands, ROCKWOOL AFB® outperforms glass wool insulation, providing more low frequency absorption when comparing acoustical testing at low frequencies (see chart "Random Incidence Sound Absorption Coefficients, in 1/3 Octave Band", pg. 3).



Density and Airflow Resistivity for Samples of Absorptive Material

| | | Density (kg/m ³) | | Airflow Resistivity (mks rays/m) | |
|---------------|------------------|------------------------------|--------------------|----------------------------------|--------------------|
| | | Average Value | Standard Deviation | Average Value | Standard Deviation |
| Glass Fiber | 3½" (89 mm) batt | 12.2 | 0.4 | 4,800 | 400 |
| Glass Fiber | 2½" (65 mm) batt | 11.7 | 1.0 | 3,600 | 200 |
| ROCKWOOL AFB® | 3" (75 mm) batt | 44.2 | 1.7 | 16,600 | 900 |

Random Incidence Sound Absorption Coefficients, in 1/3 Octave Band

| | | 1/3 Octave Band Center Frequency (Hz) | | | | | | |
|------------------------------|-----|---------------------------------------|------|------|------|------|------|------|
| | | 65 | 80 | 100 | 125 | 160 | 200 | 250 |
| Glass Fiber Sample 1 | 3½" | 0.15 | 0.18 | 0.21 | 0.25 | 0.32 | 0.43 | 0.54 |
| Glass Fiber Sample 2 | 3½" | 0.15 | 0.17 | 0.19 | 0.22 | 0.28 | 0.37 | 0.48 |
| ROCKWOOL AFB® Sample 1 | 3" | 0.18 | 0.22 | 0.28 | 0.33 | 0.40 | 0.50 | 0.62 |
| ROCKWOOL AFB® Sample 2 | 3" | 0.18 | 0.23 | 0.29 | 0.24 | 0.41 | 0.52 | 0.65 |
| Glass Fiber Sample Average | 3" | 0.15 | 0.18 | 0.20 | 0.20 | 0.30 | 0.40 | 0.50 |
| ROCKWOOL AFB® Sample Average | 3" | 0.18 | 0.23 | 0.29 | 0.34 | 0.41 | 0.51 | 0.64 |

Acoustical Performance

| | | |
|-------------|--------------------------------------------------|--------|
| ASTM E 90 | Airborne Sound Transmission Loss | Tested |
| ASTM E 413 | Rating Sound Insulation | Tested |
| ASTM C 423 | Sound Absorption Coefficients | Tested |
| ASTM E 1050 | Impedance and Absorption of Acoustical Materials | Tested |

ASTM C423

| Thickness | Coefficients at Frequencies | | | | | | |
|-----------|-----------------------------|--------|--------|---------|---------|---------|------|
| | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | NRC |
| 1.0" | 0.14 | 0.25 | 0.65 | 0.90 | 1.01 | 1.01 | 0.70 |
| 1.5" | 0.18 | 0.44 | 0.94 | 1.04 | 1.02 | 1.03 | 0.85 |
| 2.0" | 0.28 | 0.60 | 1.09 | 1.09 | 1.05 | 1.07 | 0.95 |
| 3.0" | 0.52 | 0.96 | 1.18 | 1.07 | 1.05 | 1.05 | 1.05 |
| 4.0" | 0.86 | 1.11 | 1.20 | 1.07 | 1.08 | 1.07 | 1.10 |

Features and benefits that set AFB® apart.



Fire Resistant

ROCKWOOL AFB® is non-combustible and will not develop toxic smoke or promote flame spread, even when directly exposed to fire. AFB® will therefore not add fuel to an existing fire, making it ideal for use in high occupancy buildings. Studies have shown that mineral wool insulated rooms provide a 54% increase in overall fire resistance rating compared to non-insulated rooms. Since stone wool does not contribute to a fire, it can provide valuable extra time for people to reach safety, a critical factor especially in health and education facilities. It can also provide fire services personnel additional time to control the spread of fire while reducing property damage.

Water Repellent

ROCKWOOL AFB® will not absorb or hold water and will not promote mold or fungi growth. It has superior drying potential, effectively managing moisture in the event that it does get into the wall or floor, allowing it to dry out and maintain its sound and fire properties.

Fire Performance

| | | |
|-------------------|-------------------------------------------|-----------------------------------------|
| CAN4 S114 | Test for Non-Combustibility | Non-Combustible |
| ASTM E 136 | Behavior of Materials at 750 °C (1382 °F) | Non-Combustible |
| CAN/ULC S102 | Surface Burning Characteristics | Flame Spread = 0 Smoke Developed = 0 |
| ASTM E84 (UL 723) | Surface Burning Characteristics | Flame Spread = 0 Smoke Developed = 0 |
| CAN/ULC S129 | Smolder Resistance | 0.09% |



Sag-Free, Tight Fit

The higher density of AFB® provides superior sag resistance and fit. AFB® holds its shape without sagging or slumping in the wall cavity over time to consistently provide continuous fire protection and sound control.



Fast, Easy Installation

Working with ROCKWOOL insulation is a breeze. Simply cut with a serrated knife for quick and efficient installation between studs, around electrical boxes, pipes, wiring, ductwork and between studs and joists that are less than a standard width.

Corrosive Resistance

| ASTM C 665 | Corrosiveness to Steel | Pass |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| ASTM C 795 **** | Stainless Steel Stress Corrosion Specification as per Test Methods C871 and C692: U.S. Nuclear Regulatory Commission, Reg. Guide #1.36: U.S. Military Specifications MIL-I-24244 (all versions including B and C) | Conforms |

Air Erosion

| | | |
|--------|----------------------|---------------------|
| UL 181 | Maximum Air Velocity | 1000 fpm (5.08 m/s) |
|--------|----------------------|---------------------|

Compliance and performance.

| | | |
|------------------------------|------------------------------------------------------------------|------------------|
| CAN/ULC-S702-07 | Mineral Fiber Thermal Insulation for Buildings | Type 1, Complies |
| ASTM C 665 | Mineral Fiber Blanket Thermal Insulation | Type 1, Complies |
| ASTM C 553 | Mineral Fiber Blanket Thermal Insulation | Complies |
| MEA Approval | New York City Approval | 338-97-M |
| City Of Los Angeles approval | | RR 25444 |
| ULC Design Nos. | U311, W406, W408, W419, W423, W440, W441, W442, W508, W600, Z500 | |
| UL Design Nos. | U305, U311, U317, U411, U412, U448, U465, V417, V418, V419 | |

Dimensions

16.25" (width) x 48" (length)

412.75 mm (width) x 1219 mm (length)

24.25" (width) x 48" (length)

615.95 mm (width) x 1219 mm (length)

Thickness

Product thickness is available in 1" to 3.5" with 1/2" increments as well as 4", 5" and 6" offerings.

Density

| | | |
|--------------|-------------------------|----------------------|
| 2" thickness | 2.8 lbs/ft ³ | 45 kg/m ³ |
|--------------|-------------------------|----------------------|



Commercial wall system performance using ROCKWOOL AFB®.

In the following 13 commercial wall systems, ROCKWOOL AFB® delivers excellent fire resistance ratings and Sound Transmission Class (STC).

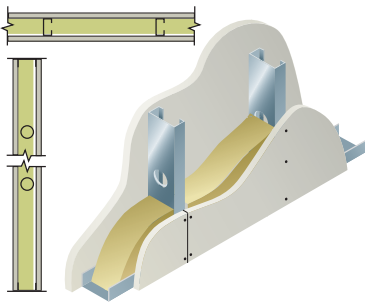
The right-hand column shows the results of acoustical tests done on these ROCKWOOL AFB® wall systems at the internationally-recognized Riverbank Acoustical Laboratories.

For other wall constructions not shown here, please contact ROCKWOOL technical services.

For further details on the illustrated constructions, consult the UL or ULC Design Manual. All STC Ratings are based on Type X gypsum board.

Construction

1



Description

Single layer wall

5/8" (15.9 mm) gypsum board

3 5/8" (92 mm) steel studs spaced
24" (610 mm) centers

3" (76 mm) ROCKWOOL AFB®

Sound Transmission Class

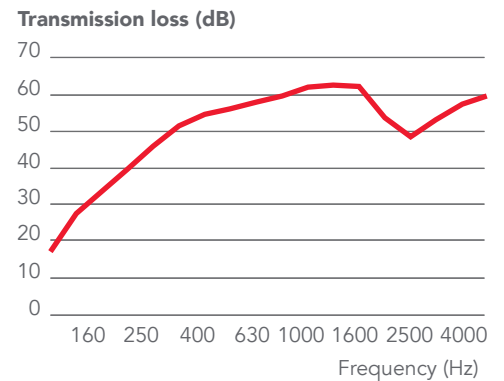
52 (RAL-TL95-195)

Fire Resistance

1 hour (UL design no. V417 and U465)

1 hour (ULC W447)

Transmission Loss

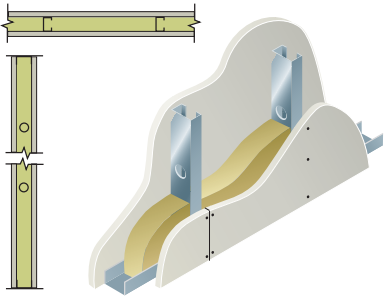


What is STC?

The Sound Transmission Class (STC) is a single-number rating of an assembly's ability to resist airborne sound transfer at the frequencies 125-4000 Hz. In general, a higher STC rating blocks more noise from transmitting through a partition.

Construction

5



Description

Single layer wall

1/2" (12.7 mm) gypsum board

2 1/2" (64 mm) steel studs spaced
24" (610 mm) centers

2 1/2" (64 mm) ROCKWOOL AFB®

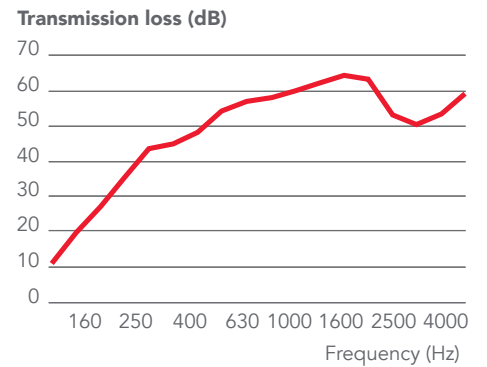
Sound Transmission Class

44 (RAL-TL96-285)

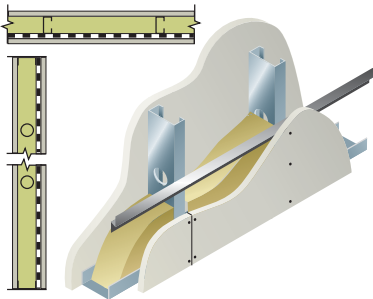
Fire Resistance

1 hour (UL design no. U448 and
ULC design no W433)

Transmission Loss



6



Single layer wall with resilient metal channels on one side

5/8" (15.9 mm) gypsum board

3 5/8" (92 mm) steel studs spaced
24" (610 mm) centers

Resilient metal channels spaced
horizontally at 24" (610 mm) centers

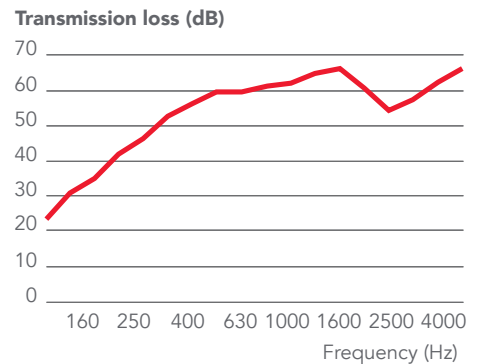
3" (76 mm) ROCKWOOL AFB®

Sound Transmission Class

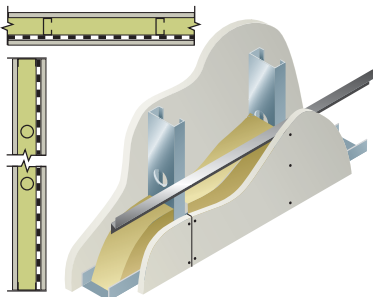
55 (RAL-TL96-289)

Fire Resistance

1 hour (UL design no. V417 and U465)
1 hour (ULC W447)



7



Single layer wall with resilient metal channels on one side

1/2" (12.7 mm) gypsum board

3 5/8" (92 mm) steel studs spaced
24" (610 mm) centers

Resilient metal channels spaced
horizontally at 24" (610 mm) centers

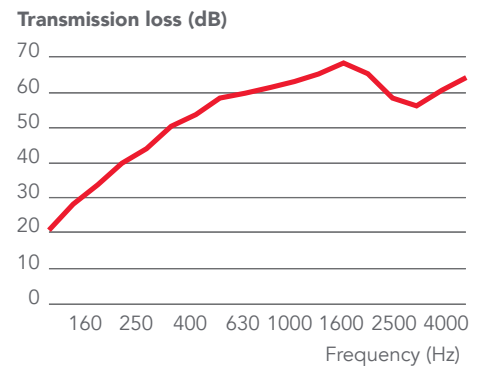
3" (76 mm) ROCKWOOL AFB®

Sound Transmission Class

53 (RAL-TL96-288)

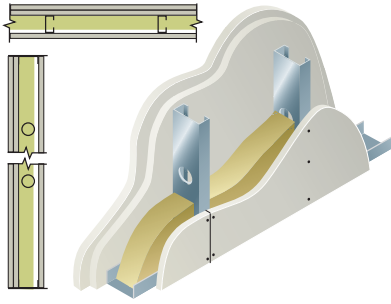
Fire Resistance

1 hour (UL design no. U448)



Construction

8



Description

Unbalanced wall

5/8" (15.9 mm) gypsum board, single layer one side; double layer other

3 5/8" (92 mm) steel studs spaced 24" (610 mm) centers

3" (76 mm) ROCKWOOL AFB®/
3 1/2" (89 mm) AFB®

Sound Transmission Class

56 (RAL-TL96-264)

Fire Resistance

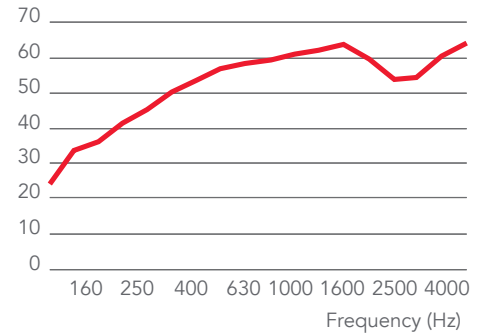
1 1/2 hour (NBC of Canada 1995)*

1 hour (UL design no. V417)

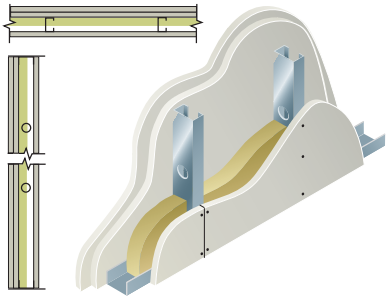
*NB. 3 1/2" (89 mm) AFB® only

Transmission Loss

Transmission loss (dB)



9



Unbalanced wall

1/2" (12.7 mm) gypsum board, single layer one side; double layer other

2 1/2" (64 mm) steel studs spaced 24" (610 mm) centers

1 1/2" (38 mm) ROCKWOOL AFB®

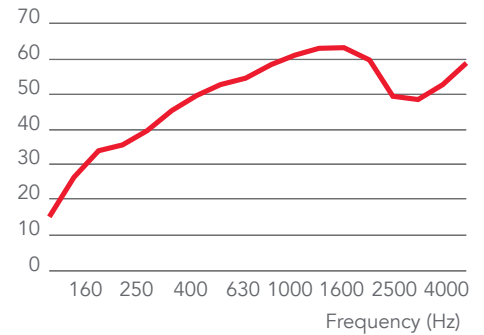
Sound Transmission Class

50 (RAL-TL90-186)

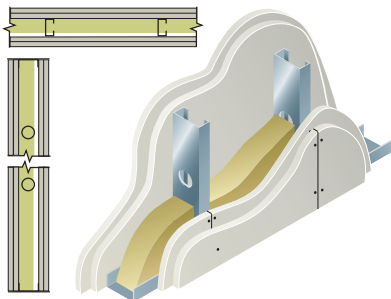
Fire Resistance

1 hour (NBC of Canada 1995
and UL design no. U448)

Transmission loss (dB)



10



Double layer wall

2 layers of 5/8" (15.9 mm) gypsum board on both sides

3 5/8" (92 mm) steel studs spaced 24" (610 mm) centers

3" (76 mm) ROCKWOOL AFB®

Sound Transmission Class

57 (RAL-TL96-268)

Fire Resistance

2 hours (UL design no. U411
and V419, NBC of Canada 1995)

Transmission loss (dB)

