



**HEATHER ENTERPRISES, INC.
2995 WALTON BLVD
ROCHESTER HILLS, MI 48309**

OCTOBER 29TH, 2014

TO THE CITY OF ROCHESTER HILLS & COMMUNITY,

AT A-STAR CONVENIENCE WE VALUE OUR RELATIONSHIPS WITH OUR LOCAL MUNICIPALITIES AND THE RESIDENTS IN THESE COMMUNITIES. WE UNDERSTAND THE CONCERNS PRESENTED AT THE OCTOBER 21ST 2014 PLANNING COMMISSION FROM THE RESIDENTS THAT LIVE NEAR THE SITE OF THE NEW DEVELOPMENT. IN RESPONSE, WE WOULD LIKE TO PUBLICLY NOTIFY THESE RESIDENTS THAT WE ARE MAKING OUR BEST EFFORTS TO ADDRESS THEIR CONCERNS.

WASTE PICK-UPS WERE ORIGINALLY SCHEDULED FOR THE EARLY MORNING HOURS BEFORE THE MORNING RUSH BUT HAVE BEEN CHANGED STARTING AS OF OCTOBER 29TH, 2014 TO BE PICKED UP FROM 12P.M. TO 4P.M. THIS NOT ONLY WILL ADDRESS ANY CONCERNS WITH THE FUTURE PROJECT BUT ALSO STOP ANY WASTE PICKUPS IN THE EARLY MORNING HOURS AS OF THE NEXT WASTE PICKUP. ATTACHED IS AN EMAIL FROM A WASTE MANAGEMENT REPRESENTATIVE WHO HAS MADE THE TIME CHANGE FOR OUR PICK-UP SCHEDULE.

THE SPEAKER IN THE DRIVE-THRU WILL ALSO BE SCREENED SO IT DOES NOT DISTURB THE LOCAL RESIDENTS AT ANY TIME OF THE DAY. THE DUMPSTER ENCLOSURE, SURROUNDING TREES, AND VEHICLE ARE EXPECTED TO BLOCK THE SOUND FROM TRAVELING A FAR DISTANCE. THE SPEAKER IS NOT EXPECTED TO BE OF ANY CONCERN AND IF IT IS FOUND THAT THE DRIVE-THRU SPEAKER CAN BE HEARD FROM ANY RESIDENTIAL PROPERTY, WE PROMISE TO ADDRESS IT. WE CURRENTLY DO NOT HEAR THE McDONALDS DRIVE-THRU SPEAKERS SO IT IS EXPECTED THAT THEY WILL NOT HEAR OURS EITHER, ESPECIALLY WITH THE SCREEN OF THE DUMPSTER AND TREES PLANTED ALONG THE PERIMETER.

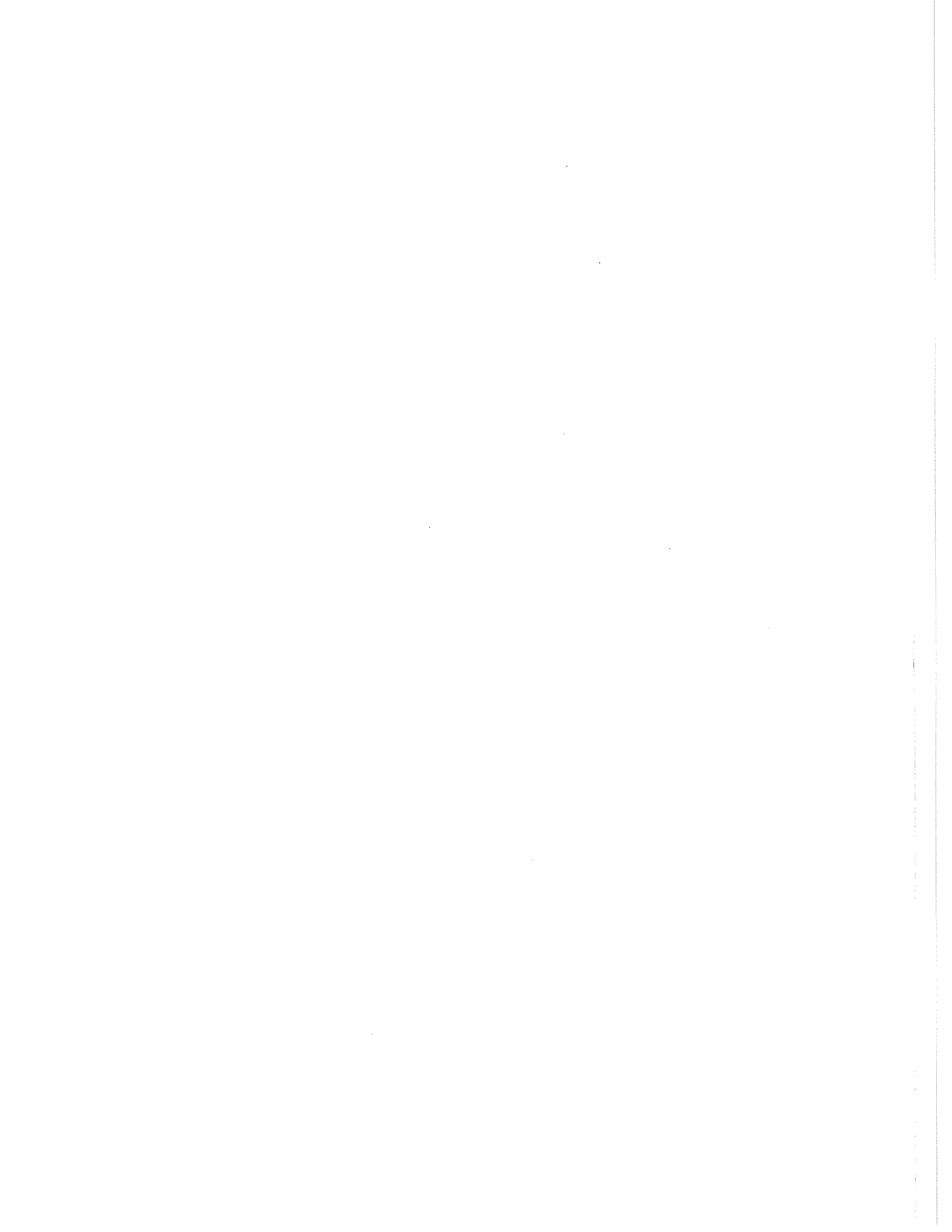
A CONCERN WITH ALCOHOL SALES WAS EXPRESSED BY A RESIDENT. WE ARE A FAMILY OWNED AND OPERATED BUSINESS SINCE 1989 AND WE TAKE ALL OF OUR LICENSES TO OFFER SUCH GOODS AND SERVICES AS A GREAT PRIVILEGE. MOST IMPORTANTLY, WE TAKE ALCOHOL AND TOBACCO SALES VERY SERIOUS AND IT IS OUR RESPONSIBILITY AS BUSINESS OWNERS TO EDUCATE OUR EMPLOYEES TO MAKE SURE THAT SUCH GOODS DO NOT EVER FALL IN THE WRONG HANDS. WE ARE A PROACTIVE ORGANIZATION AND ARE ALSO CERTIFIED WITH TIPS (TRAINING FOR INTERVENTION PROCEDURES) AS WELL AS OUR POLICIES & PROCEDURES WE ENFORCE. WE INVEST IN THE LATEST TECHNOLOGIES SUCH AS AGE VERIFICATION SCANNERS AT OUR POINT OF SALE TO PREVENT SALES TO MINORS AS WELL AS TOP OF THE LINE SURVEILLANCE SYSTEMS. WE HAVE A GREAT REPUTATION WITH ALL THE COMMUNITIES WE DO BUSINESS IN BECAUSE WE BELIEVE IN DOING BUSINESS "THE RIGHT WAY" AND ONE OF THE MOST IMPORTANT THINGS TO US IS THE PREVENTION OF ALCOHOL AND TOBACCO SALES TO MINORS.

A TRAFFIC IMPACT STUDY PROPOSAL WAS ALSO SIGNED OFF PRIOR TO THE PLANNING COMMISSION MEETING, THIS SHOULD ADDRESS ONE OF THE LOCAL RESIDENTS CONCERN WITH THE LACK OF A TRAFFIC IMPACT STUDY BEING DONE WHICH SHOULD BE COMPLETED SOON.

WE WOULD AGAIN LIKE TO THANK THE CITY OF ROCHESTER HILLS AND THE COMMUNITY FOR THE OPPORTUNITY TO BRING AN ESTABLISHMENT WE FEEL IS MORE FITTING TO WHAT THE CITY OF ROCHESTER HILLS REPRESENTS AND ITS RESIDENTS DESERVE. WE PROMISE TO WORK WITH THE LOCAL COMMUNITY TO ADDRESS ANY CONCERNS THEY HAVE TODAY AS WELL AS THE FORESEEABLE FUTURE.

X 

Sean Awdish
President of A-Star Convenience



Sean Awdish

From: Walton & Adams Mobil <astarconvenience303@gmail.com>
Sent: Wednesday, October 29, 2014 9:45 AM
To: seanawdish@gmail.com
Subject: FW: 714-2553 MOBIL STATION

From: Wilkey, Latisha [mailto:lwilkey@wm.com]
Sent: Wednesday, October 29, 2014 9:00 AM
To: astarconvenience303@gmail.com
Subject: 714-2553 MOBIL STATION

Good Morning Sean,

I have placed notations on account 714-2553 MOBIL STATION located at 2995 WALTON BLVD, stating that you are requesting that this location is serviced between 12:00 pm and 4:00 pm.

Thanks

Latisha Wilkey

Inside Commercial Representative
Michigan/Ohio/Indiana Market Area
Lwalke11@wm.com

Waste Management
48797 Alpha Drive – Suite 150
Wixom, MI 48393
Tel 800-796-9696

Recycling is a good thing. Please recycle any printed emails.



This email is free from viruses and malware because avast! Antivirus protection is active.

Sean Awdish

From: Sean Awdish <seanawdish@gmail.com>
Sent: Wednesday, October 29, 2014 3:09 PM
To: seanawdish@gmail.com
Subject: FW: Update on Conditional Use for the Drive-Thru Nov. 10 2014
Attachments: THRochesterHillsMIA19698.pdf; XT1 - Sound Levels.pdf; Speaker Volume Overlay.pdf

From: bell_patrick@timhortons.com [mailto:bell_patrick@timhortons.com]
Sent: Wednesday, October 29, 2014 2:57 PM
To: Sean Awdish
Cc: fedewa_mark@timhortons.com
Subject: RE: Update on Conditional Use for the Drive-Thru Nov. 10 2014

Sean,

Attached please see an example of the Menu/Speaker board. Yes, the speaker is at approximately three feet. I have also attached a technical memo that shows how sound volumes diminish over distance. As an example, our speaker operates at approximately 64 db SPL (near conversational speech volumes). The nearest residential building to your speaker is about 200 feet. Using these numbers and the chart within the memo, you can see that the expected volume (without a wall, vehicle, landscaping etc.) would be between 30 – 40 db SPL or between a “quiet library” and a “quiet bedroom at night”. Factoring in the screening wall, a vehicle, and normal background noises, it would be more than reasonable to expect the speaker to be completely inaudible to the southern residential properties. As a side note, I have stood on the opposite side of many cars in our drive-thrus and cannot hear the employee or guest at all.

Finally, I have attached an example of a speaker volume plan that I used on a recent project. Should you feel it necessary, I am sure your engineer could create a similar plan.

Please contact me if you have any questions.

Thank you,

Patrick Bell
Tim Hortons
565 E. Grand River Ave.
Brighton, MI 48116
Phone: (810) 844-2748
Cell: (810) 360-8705
Email: bell_patrick@timhortons.com

Menu Board	Drive-Thru Menu Board
Type:	(6) Panel Menu Board w/ Comm System. Extruded aluminum construction
Illumination:	Internally Illuminated LED
Actual Size:	84 7/8" H x 83 3/4" W overall
Square Footage:	49.36

Graphics shown for representational purposes only. Graphics to be provided by client

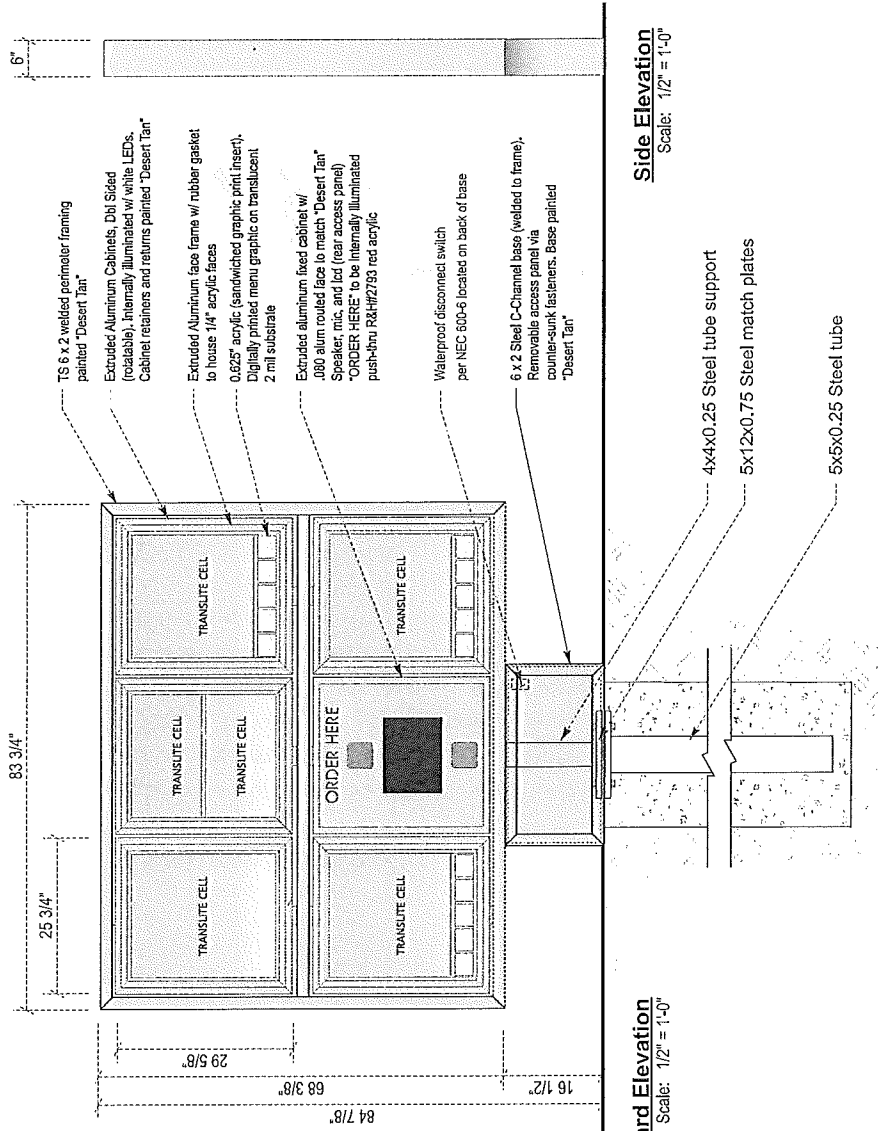
Electrical:

- (20) F24T5 CW HO Lamps
- (2) EESB832-16L Ballast @ 2.4 Amps
Total Amps: X.X
- (1) 20 Amp 120 Volt Circuit Required

General Notes:

This sign is to be installed in accordance with the requirements of Article 600 of the National Electrical Code.

- 1) Grounded and bonded per NEC 600.7/NEC 250
 - 2) Existing branch circuit in compliance with NEC 600.5, not to exceed 20 amps
 - 3) Sign is to be UL listed per NEC 600.3
 - 4) UL disconnect switch per NEC 600.6- required per sign component before leaving manufacturer*
- *For multiple signs, a disconnect is permitted but not required for each section



Menu Board Elevation

Scale: 1/2" = 1'-0"

Side Elevation

Scale: 1/2" = 1'-0"

Tim Hortons

Client: Tim Hortons
 Site #: TH-A19698
 Address: 2258 Crooks Road
 Rochester Hills, MI 48309

REVISION INFO	
06/30/2014	Original Rendering
07/09/2014	Added Directional, Increased Size of Sign A & Relocated/Decreased Size of Sign B
07/09/2014	Updated Awnings to Illuminated & Added Conforming Ground Sign to Renderings
07/22/2014	Added Measurements to Monument

SD	SD

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AnchorSign
 1 . 8 0 0 . 2 1 3 . 3 3 3 1



April 7, 2010

Dear Customer,

With the concern over environmental noise today, many communities restrict the audio level of drive-thru intercom systems and usually the level is specified to be below some number at the property line. Audio levels are measured in terms of "Sound Pressure Level" with the unit of change being the "Decibel." For example, the city of South Plainfield, NJ requires that sound levels not exceed 65 decibels SPL (sound pressure level) in an industrial area. Taking this into consideration, 3M intercom systems provide an adjustable menu speaker volume to assure compliance with city sound ordinances.

The 3M XT-1 Intercom System can be adjusted at installation to produce an audio sound pressure level of 65 decibels (*) at a distance of 4 feet on axis to the center of the speaker. It is VERY easy for the installation company to verify this reading using an Audio dB meter (set to A weighting, slow response). Please note that sound diminishes at the rate of 6 decibels every time the distance from the sound source is doubled. So, at a distance of 8 feet, the level is 59 decibels, at 16 feet it is 53 decibels and so on.

The 3M XT-1 Intercom System also provides an AUTOMATIC reduction of sound volume for night time operation to maintain compliance with cities that require lower operating sound levels after normal business hours. This feature assures compliance 24 hours a day.

To give you a reference of comparative audio levels, I have attached a list of typical sound levels for your use. Be aware that acoustic barriers (shrubbery, trees, fences, walls, etc.) will reduce the distance faster than shown in the chart.

If you have any questions regarding this or any additional information, please don't hesitate to contact me at 651-736-4628.

Thank you for your interest in our products,

Best regards,

A handwritten signature in cursive script that reads "Steven T. Awiszus".

Steven T. Awiszus
Intercom Product Development Specialist
3M Building and Commercial Services Division

(* These level measurements assume the use of recommended 3M components.)

Table of Sound Levels and Corresponding Sound Pressure and Sound Intensity



To get a feel for decibels, look at the table below which gives values for the sound pressure levels of common sounds in our environment. Also shown are the corresponding sound pressures and sound intensities. From these you can see that the decibel scale gives numbers in a much more manageable range.

Chart of sound levels L and corresponding sound pressure and sound intensity			
Examples	Sound Pressure Level dBSPL	Sound Pressure p N/m ² = Pa	Sound Intensity I watts/m ²
Jet aircraft, 50 m away	140	200	100
Threshold of pain	130	63.2	10
Threshold of discomfort	120	20	1
Chainsaw 1m distance	110	6.3	0.1
Disco, 1 m from speaker	100	2	0.01
Diesel truck, 10 m away	90	0.63	0.001
Curbside of busy road, 5 m	80	0.2	0.0001
Vacuum cleaner, distance 1 m	70	0.063	0.00001
Conversational speech, 1m	60	0.02	0.000001
Average home	50	0.0063	1E-07
Quiet library	40	0.002	1E-08
Quiet bedroom at night	30	0.00063	1E-09
Background in TV studio	20	0.0002	1E-10
Rustling leaf	10	0.000063	1E-11
Threshold of hearing	0	0.00002	1E-12

A given sound pressure level L_p in dBSPL without the distance of the measurement to the specific sound source is useless.

The reference for 0 dBSPL sound pressure level is $p = 20 \mu\text{Pa} = 2 \cdot 10^{-5}$ pascal, the threshold of hearing.

The sound pressure level decreases in the free field with 6dB per distance doubling. **That is the $1/r$ law.** Often it is argued the **sound pressure** would decrease after the $1/r^2$ law (inverse square law). **That's wrong.** The sound pressure in a free field is inversely proportional to the distance from the mic to the source. **$p \sim 1/r$.**



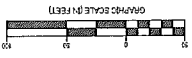
Distance From Menu Post	3M Intercom SPL (dB)
4'	65
8'	59
16'	53
32'	47
64'	41
128'	35
256'	29
512'	23
1024'	17
2048'	11
4096'	5

Note: 20 dB is approximately the threshold of hearing. This occurs at approximately 700 feet from the speaker post in a very QUIET environment. In an environment of average traffic noise, a 35 dB limit is virtually inaudible and should be considered the practical limit. This occurs at approximately 125 feet from the speaker post.

N

MAYBEE ROAD

BALDWIN ROAD



GREAT LAKES ATHLETIC CLUB
3800 S. BALDWIN RD.
99-00-403-404
(ZONED R-2)

202 203 204 205 206 207 208 209 210 211 212

ROLLING MEADOWS SUBDIVISION NO. 3
LIBER 233 PAGES 17-18 AND COUNTY RECORDS
(ZONED R-2)

WESTLA CENTER
1355 MAYBEE RD.
09-29-201-416
(ZONED R-2)

1355 MAYBEE RD.
09-29-201-416
(ZONED R-2)

1374 MAYBEE RD.
09-29-201-416
(ZONED R-2)

1410 GREENBUSH RD.
09-29-201-402
(ZONED PUD)

86 feet (less than 41 dBSE)
(ZONED PUD)
09-10-10-29-29-416
100 BALDWIN RD.
WATERSTONE S. 0957
(ZONED PUD)

223 feet (less than 35 dBSE)

102 feet (less than 41 dBSE)

390 feet (less than 29 dBSE)

