



TOTAL DEFENSE ASPIRES TO BECOME A PREMIER “DESTINATION RETAIL SHOP” OFFERING A FULL SPECTRUM OF DEFENSE RELATED PRODUCTS AND SERVICES TO THE NORTHERN TIER SUBURBS OF THE MINNEAPOLIS / ST. PAUL METRO AREA. THE DEMAND AND NEED FOR SUCH AN INSTRUCTIONAL AND RECREATIONAL FACILITY IN THE RAMSEY GEOGRAPHICAL AREA HAS BEEN TOTALLY VALIDATED BY OUR CURRENT ENDEAVORS. THE BUSINESS NODE LOCATED OFF OF 167TH AVENUE IS IN NEED OF A STRONG, LONG-TERM ENTITY THAT CAN DEMONSTRATE CONTINUED “NEW” CUSTOMER TRAFFIC AND SUSTAINED GROWTH. WE FIRMLY BELIEVE TOTAL DEFENSE IS THAT BUSINESS.

BUILDING USE “SPECS”

- **OVERALL BUILDING SIZE – 18,300 SQ. FT.**
- **OFFICE / CASH AUDIT AREA – 1000 SQ.FT.**
- **FLOOR PLAN CONSISTS OF :**
 - **RETAIL SHOWROOM SPACE – 3900 SQ.FT.**
 - **CLASSROOM (600 X 2) – 1200 SQ. FT.**
 - ◆ **MIXED MARTIAL ARTS/MAT AREA – 1520 SQ.FT.**
 - **FIREARM RANGE 1 (11 LANES) – 3750 SQ.FT.**
 - **FIREARM RANGE 2 (9 LANES) – 3072 SQ.FT.**
 - **ARCHERY RANGE – 1200 SQ.FT.**
 - **GUNSMITH AREA – 200 SQ.FT.**
 - ◆ **MISC. STORAGE / SUPPLIES – 2000 SQ.FT.**

HOURS OF OPERATION

SUNDAY = NOON – 6PM

MONDAY = 9AM – 9PM

TUESDAY = 9AM – 9PM

WEDNESDAY = 9AM – 9PM

THURSDAY = 9AM – 9PM

FRIDAY = 9AM – 9PM

SATURDAY = 9AM – 9PM

NOISE LEVELS

TYPICAL SPEECH – AROUND 60 DBA

HAIR DRYER – AROUND 90-95 DBA

AMBULANCE – AROUND 125 DBA

GUN SHOT – AROUND 140-145 DBA

SOUND TRANSMISSION CLASS (STC)

FHA REQUIRES A MINIMUM STC OF 46 TO LIMIT SOUND TRANSMISSION FROM UNIT TO UNIT IN MULTI-FAMILY DWELLINGS.

8 INCH CONCRETE WALL / BOTH SIDES PLAIN = STC OF 45

THIS CONSTRUCTION WOULD CONSIST OF “BUILDING-WITHIN-BUILDING” DOUBLE –LEAF WALL CONSTRUCTION.

“12 INCH WALL – AIRSPACE – 8 INCH WALL”

Marty Fisher

From: Dan Wellman <dan.wellman@mntotaldefense.com>
Sent: Thursday, December 05, 2013 2:39 PM
To: Marty Fisher
Subject: Fwd: Noise Levels

Marty,

Here is the Sound Transmission Class numbers from the range we are "leaning" towards.....

Thanks - Dan

----- Forwarded message -----

From: Ken <Ken@shootingrangellc.com>
Date: Wed, Dec 4, 2013 at 9:30 AM
Subject: Noise Levels
To: Dan Wellman <dan.wellman@mntotaldefense.com>

Good Morning Dan,

Here is the info on noise levels.

NIOSH – they say at peak hours the DB levels are at 155 DB to 168 DB. Ear plugs reduce the sound by 24 DB and the ear muffs reduce the sound by 26 DB. They also say the noise from a weapon cannot exceed 140 DB. With the ear plugs and ear muffs the DB will be well below the 140 DB inside.

With a typical construction of 8" CMU solid grout filled, wood truss, R50 insulation in the ceiling you should be around 65 to 75 DB outside during firing.

The only way to measure the DB levels at the curb would have to be done with a meter. There are a lot of things that can reduce the noise level. Tree's, bushes, is your range behind your retail space. Normally the noise from the street is louder the range.

I hope this helps Dan.

Have a Great Day Dan

Ken Cadam

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