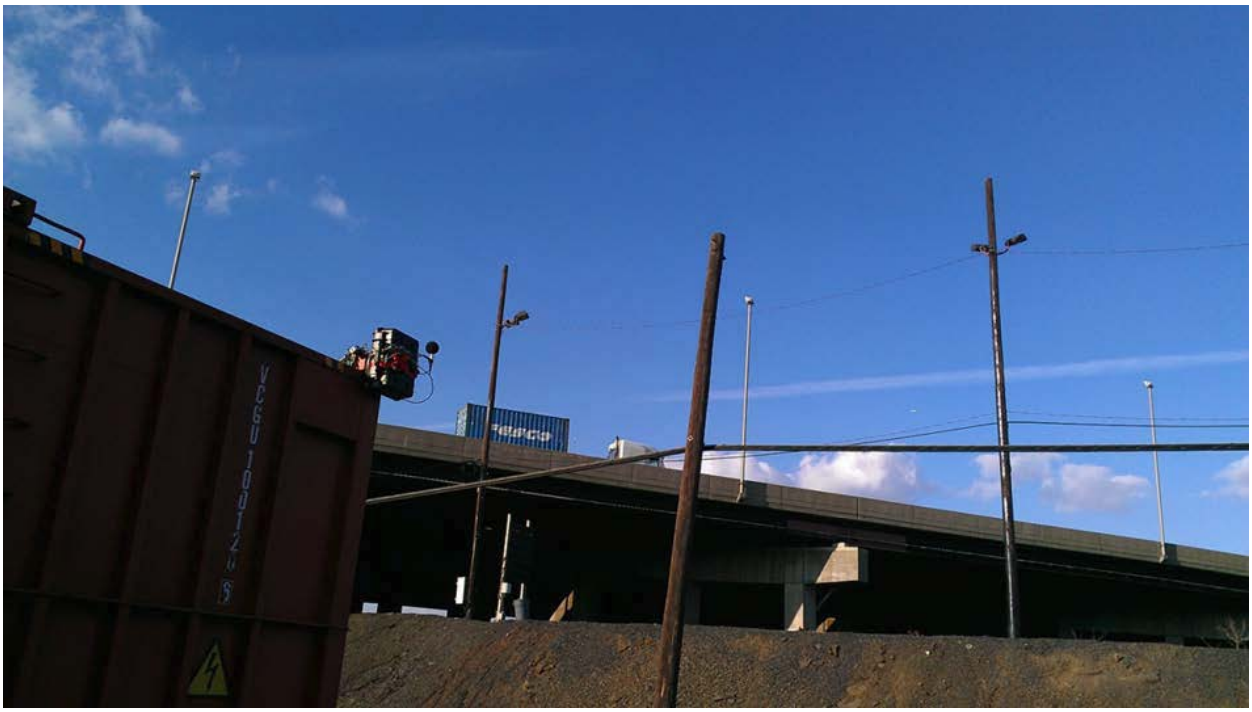
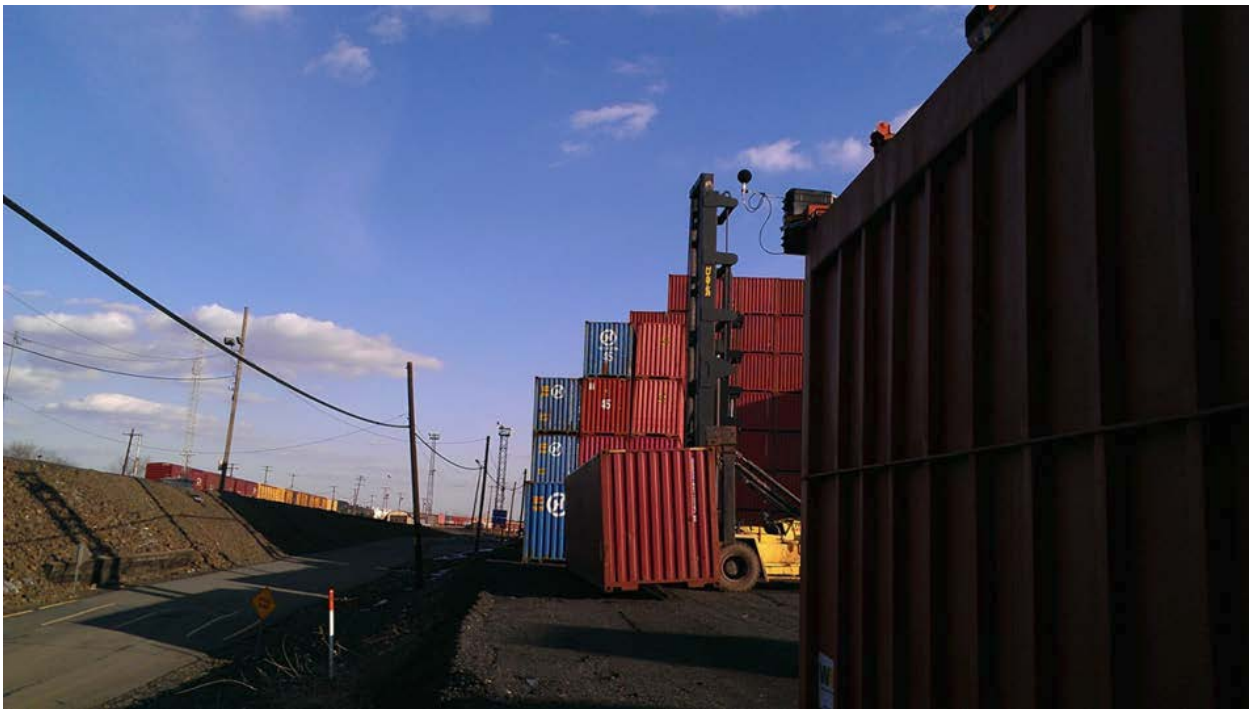
Case Studies –Shipping Office

Prevent sound outside a building from getting in

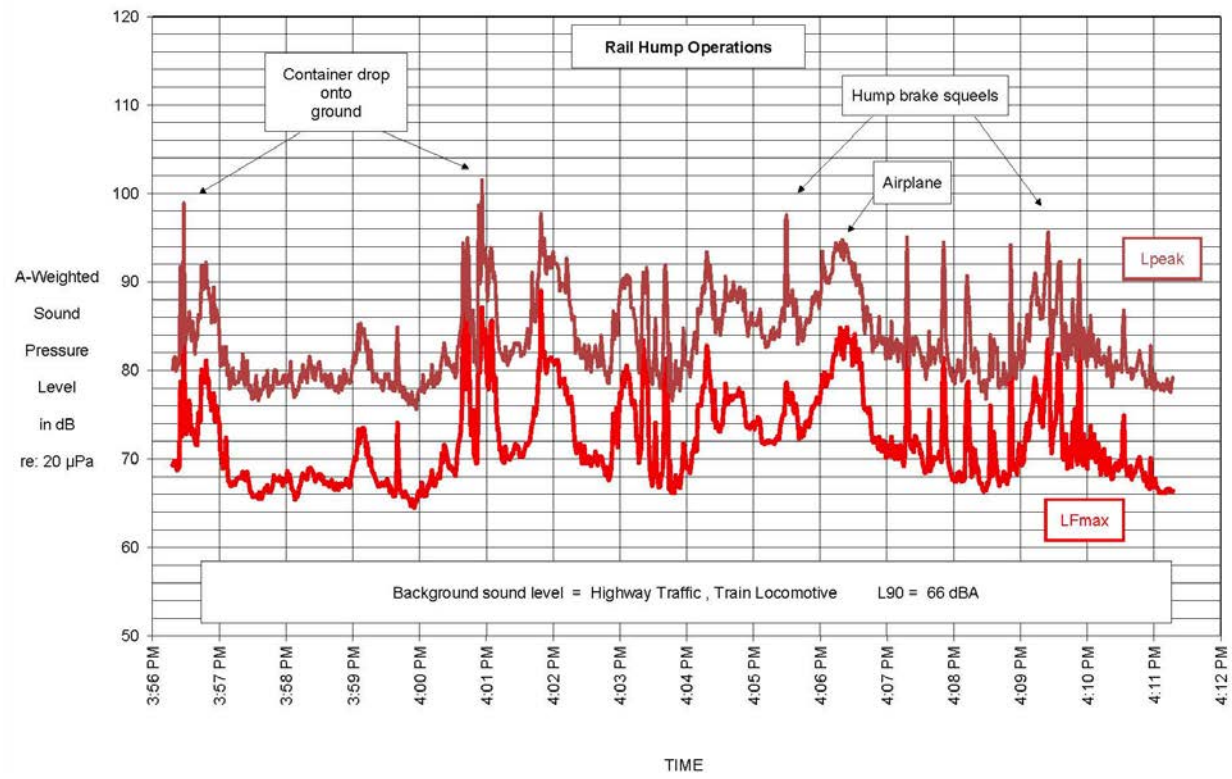
- New office bldg –shipping containers
- Directly under flight path very near a major airport –also next to major highway
- Adjacent to major highway and rail yard (with rail “hump” brake)
- Disturbances must be minimized inside

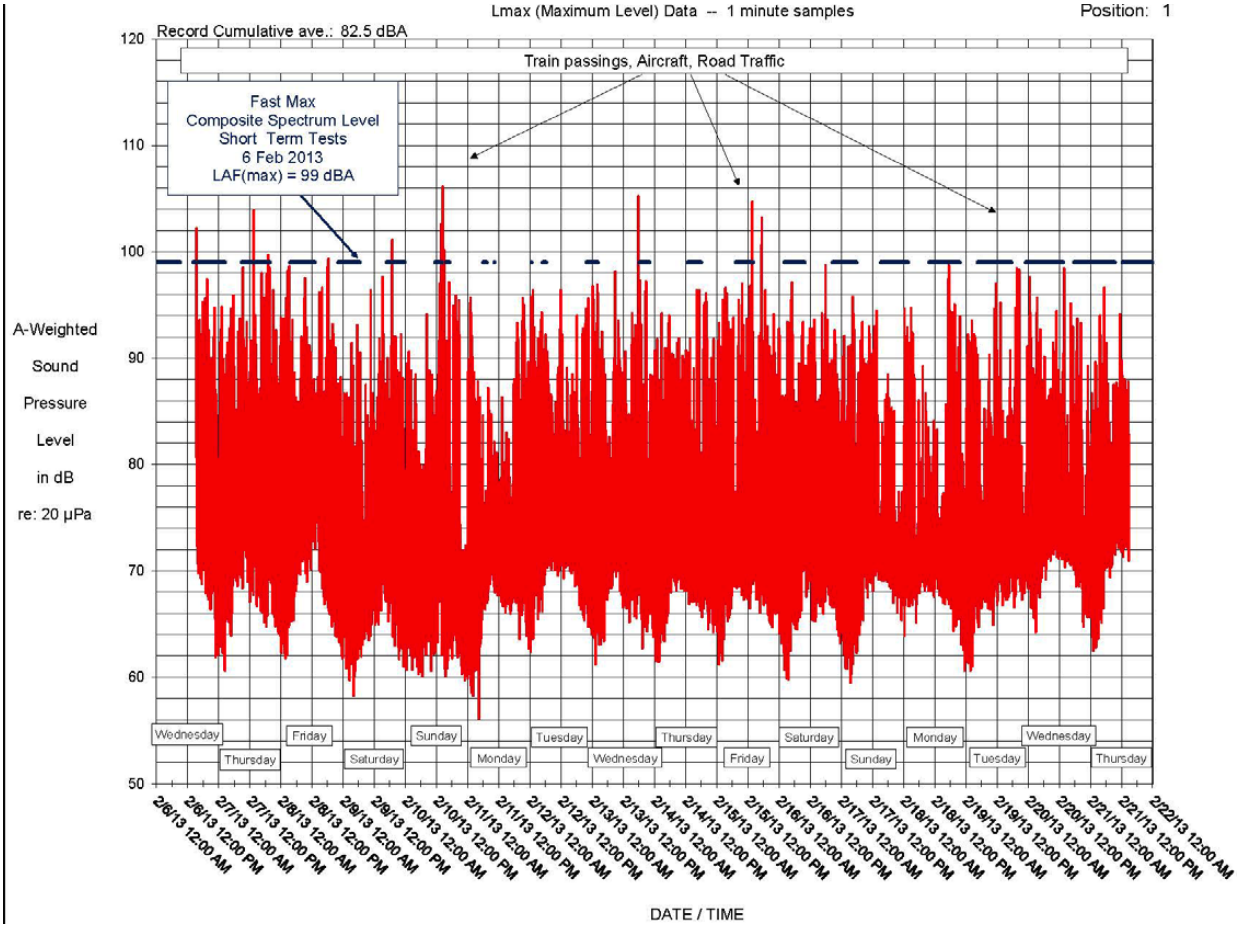


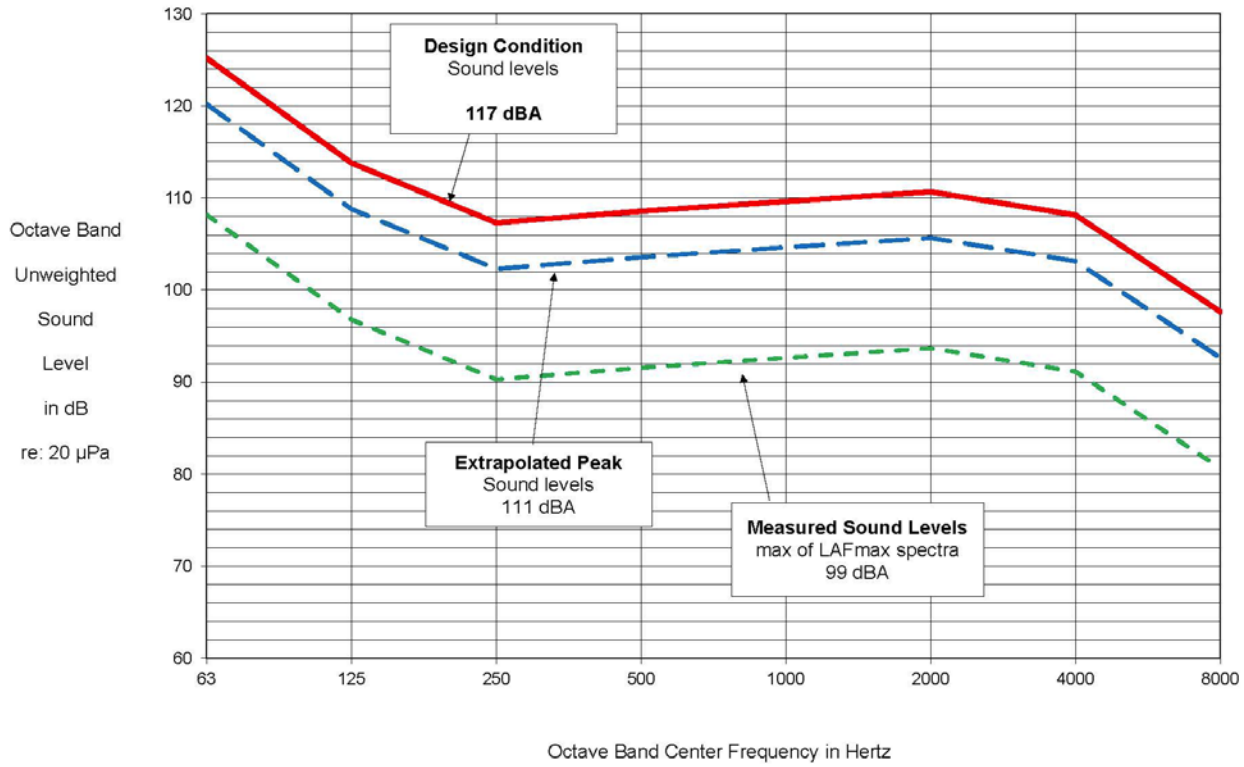


All Noise Control - 2731 Vista Parkway D-8 West Palm Beach, FL 33411 - Ph: (561) 964-9360
info@allnoisecontrol.com - www.allnoisecontrol.com

RED WIDOW
NS
NORFOLK SOUTHERN
1705


Rail Hump Operations
Container drop onto ground
Hump brake squeels
Airplane
Lpeak
LFmax
Background sound level = Highway Traffic , Train Locomotive L90 = 66 dBA
A-Weighted Sound Pressure Level in dB re: 20 µPa
120
110
100
90
80
70
60
50
3:56 PM
3:57 PM
3:58 PM
3:59 PM
4:00 PM
4:01 PM
4:02 PM
4:03 PM
4:04 PM
4:05 PM
4:06 PM
4:07 PM
4:08 PM
4:09 PM
4:10 PM
4:11 PM
4:12 PM
TIME

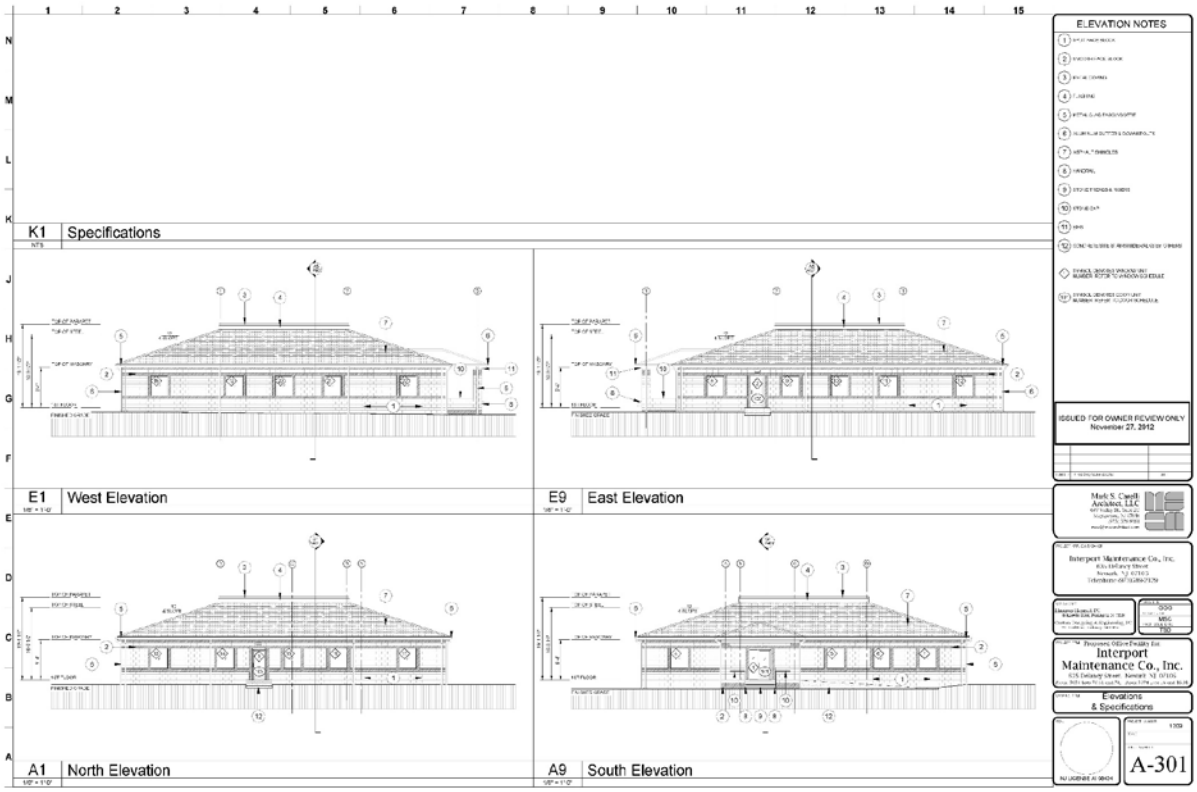


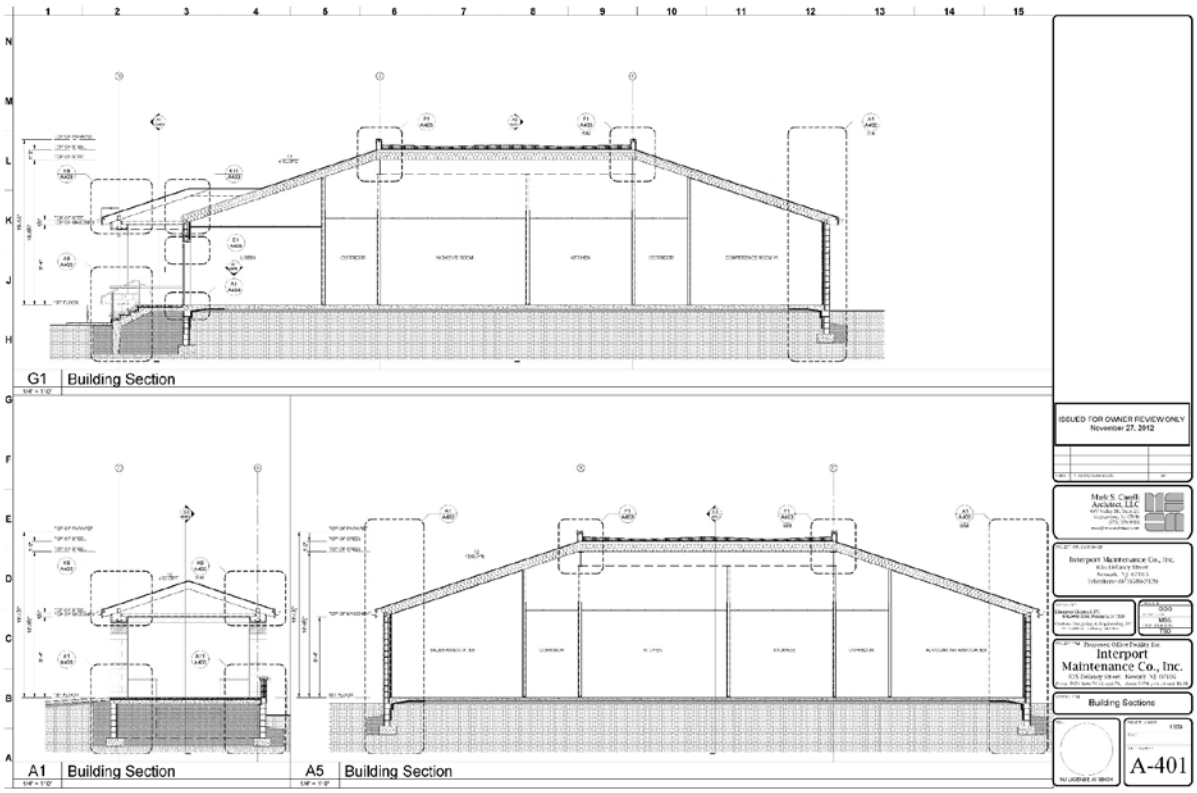


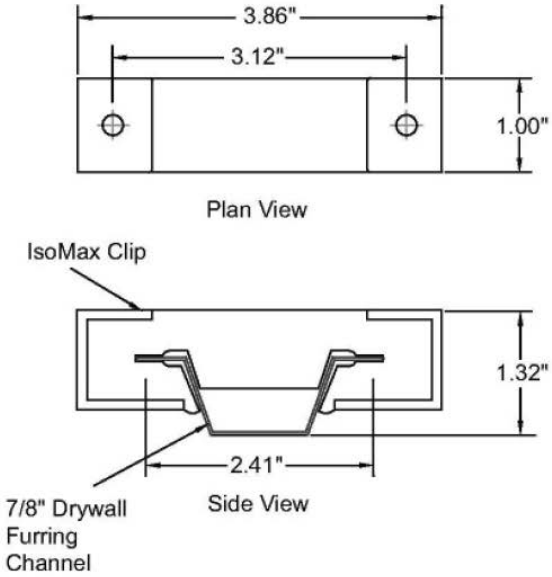
Design to primarily reduce train brake wheel noise

High frequency noise –easier to control

Limited space constraints






3.86"
3.12"
1.00"
Plan View
IsoMax Clip
1.32"
2.41"
7/8" Drywall
Furring
Channel
Side View