

Environmental Noise Impact Study – Final

**10950 WASHINGTON – STACKED PARKING
CULVER CITY, CALIFORNIA**

Prepared for:
Hudson 10950 Washington, LLC

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1 INTRODUCTION

This Noise Impact Study (Study) evaluates the potential noise impacts from the operation of the proposed Stacked parking (Car Stackers) at the 10950 Washington property, located in the City of Culver City, California (Project), as shown in Figure 1 (on page 2). The noise study was conducted pursuant to the Culver City Municipal Code Section 17.320.025.G.4.

The objectives of this Study are to:

- a) Evaluate the proposed Car Stacker operation related noise levels relative to the Culver City current noise Regulations; and
- b) Identify noise attenuation features in the form of performance specifications to ensure noise impacts are less than significant.

2 ENVIRONMENTAL SETTING

2.1 Fundamentals of Sound and Environmental Noise

Noise is commonly defined as sound that is undesirable because it can interfere with speech communication and hearing, may cause sleep disturbance, or may otherwise be considered annoying (unwanted sound). The decibel (dB) is a conventional unit for measuring the amplitude of sound because it accounts for the large variations in sound pressure amplitude and reflects the way people perceive changes in sound amplitude.¹ The human hearing system is not equally sensitive to sound at all frequencies. Therefore, to approximate this human frequency-dependent response, the A-weighted filtering system is used to adjust measured sound levels (dBA). The term “A-weighted” refers to filtering the noise signal in a manner that corresponds to the way the human ear perceives sound. Examples of various sound sources and decibel levels in outdoor and indoor environments are provided in Table 1 (on page 3).

Generally, people judge the relative magnitude of sound sensation by subjective terms such as “loudness” or “noisiness.” To the normal human ear, a change in sound level of 3 dB is considered “just perceptible,” a change in sound level of 5 dB is considered “clearly noticeable,” and a change (i.e., increase) of 10 dB is generally recognized as “twice as loud.”²

¹ All sound levels measured in decibel (dB) in this study are relative to 2×10^{-5} N/m².

² Engineering Noise Control, Bies & Hansen, 1988.

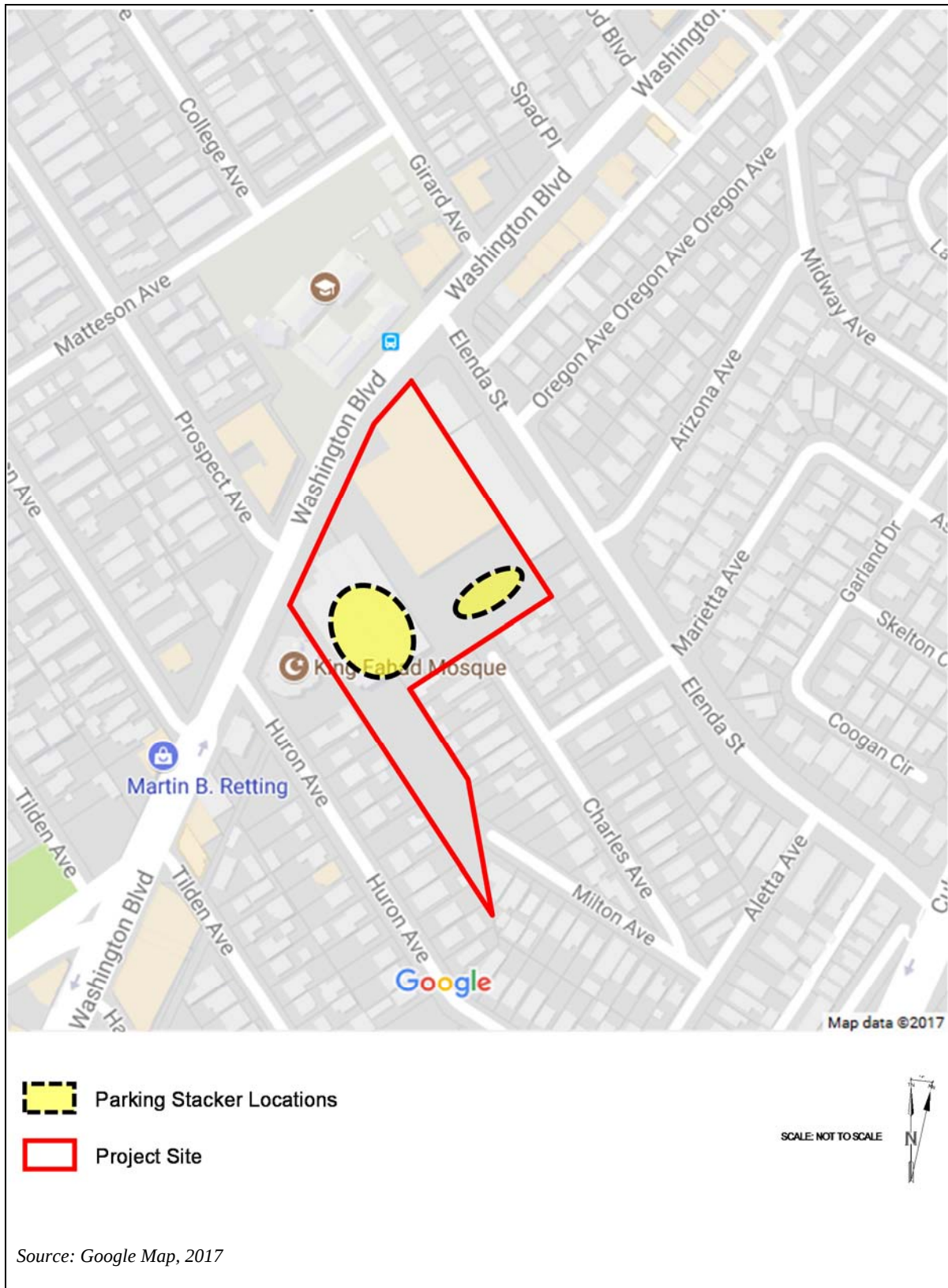
**Figure 1. Project Site Map**

Table 1. Typical Noise Levels

Common Outdoor Activities	Noise Levels, dBA	Common Indoor Activities
	110	Rock Band
Jet Fly-over at 1000 feet		
	100	
Gas Lawn Mower at 3 feet		
	90	
Diesel Truck at 50 feet at 50 mph		Food Blender at 3 feet
	80	Garbage Disposal at 3 feet
Noisy Urban Area, Daytime		
Gas Lawn Mower at 100 feet	70	Vacuum Cleaner at 10 feet
Commercial Area		Normal Speech at 3 feet
Heavy Traffic at 300 feet	60	
		Large Business Office
Quiet Urban Daytime	50	Dishwasher Next Room
Quiet Urban Nighttime	40	Theater, Large Conference Room (background)
Quiet Suburban Nighttime		
	30	Library
Quiet Rural Nighttime		Bedroom at Night, Concert Hall (background)
	20	
		Broadcast/Recording Studio (background)
	10	
Lowest Threshold of Human Hearing	0	Lowest Threshold of Human Hearing
<i>Source: Caltrans, Technical Noise Supplement (TeNS), 2013</i>		

2.1.1 Outdoor Sound Propagation

In an outdoor environment, sound levels attenuate (reduce) through the air as a function of distance. Such attenuation is commonly referred to as “distance loss” or “geometric spreading,” and is based on the noise source configuration (e.g., point source, or line source). For a point source, such as the Car Stackers driving motor equipment the rate of sound dissipation is about 6 dB per doubling of distance from the noise source. For example, a Car Stacker motor generates a sound level of 73 dBA at a distance of five feet would attenuate to 67 dBA at a distance of 10 feet. For a line source, such as a constant flow of auto traffic on a roadway, the rate of sound attenuation is about 3 dB per doubling of distance.³

³ Caltrans, “Technical Noise Supplement (TeNS)”, 2013.

In addition, structures (e.g., buildings, parapet walls) and natural topography (e.g., hills) that obstruct the acoustic line-of-sight between a noise source and a receptor further reduce the noise level if the receptor is located within the “acoustic shadow” of the obstruction, such as behind a sound wall. This type of sound attenuation is known as “barrier insertion loss.” If a receptor is located behind the wall but still has a view of the source (i.e., acoustic line-of-sight is not fully blocked), some barrier insertion loss would still occur, however to a lesser extent. Additionally, a receptor located on the same side of the wall as a noise source may actually experience an increase in the perceived noise level as the wall reflects noise back to the receptor, thereby compounding the noise. Outdoor sound walls can provide noise level reductions ranging from approximately 5 dBA (where the barrier just breaks the acoustic line-of-sight between the noise source and receiver) to an upper range of 20 dBA with a more substantial barrier.⁴

2.1.2 Environmental Noise Descriptors

Several rating scales have been developed to analyze the adverse effect of community noise on people. Since environmental noise fluctuates over time, these scales consider the total acoustical energy content, as well as the time and duration of occurrence. The most frequently used noise descriptors, including those used by Culver City, are summarized below.

Equivalent Sound Level (L_{eq}). L_{eq} is a measurement of the acoustic energy content of noise averaged over a specified time period. Thus, the L_{eq} of a time-varying sound and that of a steady sound are the same if they deliver the same amount of energy to the receptor’s ear during exposure. L_{eq} for one-hour periods, during the daytime or nighttime hours, and 24 hours are commonly used in environmental noise assessments. L_{eq} can be measured for any time period, but is typically measured for an increment of no less than 15 minutes for environmental studies. For evaluating community impacts, this rating scale does not vary, regardless of whether the noise occurs during day or night.

Maximum Sound Level (L_{max}). L_{max} represents the maximum sound level measured during a measurement period.

Statistical Sound Level (L_n). L_n is a statistical description of the sound level that is exceeded over some fraction of a given period of time. For example, the L_{50} noise level represents the noise level that is exceeded 50 percent of the time. Half the time the noise level exceeds this level and half the time the noise level is less than this level. L_{90} noise level represents the noise level that is exceeded 90 percent of the time and for environmental noise is representative of background ambient noise level.

⁴ Caltrans, “Technical Noise Supplement (TeNS)”, 2013.

Community Noise Equivalent Level (CNEL). CNEL is the time average of all A-weighted sound levels for a 24-hour period with a 10 dBA adjustment (upward) added to the sound levels that occur between the hours of 10:00 P.M. and 7:00 A.M. (nighttime), and a 5 dBA adjustment (upward) added to the sound levels which occur between the hours of 7:00 P.M. and 10:00 P.M. (evening). These penalties attempt to account for increased human sensitivity to noise during the nighttime and evening periods, particularly where sleep is the most probable activity. CNEL has been adopted by the State of California to define the community noise environment for development of the community noise element of a General Plan and is also used by the City of Culver City for land use planning in the City's General Plan.⁵

2.2 Regulatory Framework

Government agencies have established noise standards and guidelines to protect citizens from potential hearing damage and other adverse physiological and social effects associated with noise. The Culver City General Plan establishes CNEL guidelines for land use compatibility and includes a number of goals, objectives, and policies for land use planning purposes. The City also has regulations to control excessive and annoying noise, as set forth in the Culver City Municipal Code (CCMC) Chapters 9.04 and 9.07. Standards and guidelines that may be applicable to this Project are discussed below.

2.2.1 Culver City General Plan Noise Element

The overall purpose of the General Plan Noise Element is to guide policy makers in making land use determinations and in preparing noise ordinances that would limit exposure of citizens to excessive noise levels. The following Culver City Noise Element policies and objectives are applicable to the Project:⁶

Objective 1. Land Use Compatibility: Ensure the compatibility of adjacent land uses with regard to noise sources and receptors.

Policy 1.A: Ensure the consistent application of adopted noise standards and criteria in the review of all discretionary land use decisions.

Policy 1.D: Investigate the opportunity to construction barriers to mitigate sound emissions where necessary and where feasible.

⁵ *State of California, General Plan Guidelines, 2003. Culver City General Plan Noise Element, Approved July 22, 1996.*

⁶ *Culver City General Plan Noise Element, Approved July 22, 1996.*

Objective 2. Stationary Noise Sources: Protect those areas that are or may be subject to unacceptable noise from stationary noise sources. The proposed stacked parking is considered a Stationary Noise Source.

Policy 2.B: Require addition of noise reduction features to all existing and proposed stationary-related noise sources which exceed established noise standards to reduce impacts on noise sensitive land uses.

The City's maximum allowed exterior/interior noise standards in CNEL standards are provided in Table 2 (below).

Table 2. Culver City Interior and Exterior Noise Standards

Proposed Land Use Categories		Design Standard CNEL	
Categories	Uses	Interior	Exterior
Residential	Single Family, Duplex	45 ^a	65
	Multiple Family	45	65
	Mobile Home	--	65 ^b
Commercial, Industrial, Institutional	Hotel, Motel, Transient Lodging	45	65 ^c
	Commercial Retail, Bank, Restaurant	55	--
	Office Building, Research and Development, Professional Offices, City Office Building	50	--
	Amphitheater, Concert Hall, Auditorium, Meeting Hall	45	--
	Gymnasium (Multipurpose)	50	--
	Sports Club	55	--
	Manufacturing, Warehousing, Wholesale, Utilities	65	--
	Movie Theaters	45	--
Institutional	Hospital, School Classroom	45	65
	Church, Library	45	--
Open Space	Parks	--	65

-- No applicable standard.
Source: Culver City General Plan Noise Element, Table N-3, November 1996.

2.2.2 Culver City Municipal Code

The following sections of the Culver City Municipal Code, partially or entirely, may be applicable to the proposed operation of the Stacked Parking:

Section 9.04.015.H Noise Disturbances

1. *General.* Any noise that is made, generated, produced, or continued, whether by a person, activity, animal, fowl, automobile, motorcycle, engine, machine, or other mechanical device, whether on public or private property, in such a manner that it unreasonably disturbs the peace

and quiet of any neighborhood or which causes any discomfort or annoyance to any reasonable person of normal sensitivities, or that otherwise violates any provision of the Culver City Municipal Code, including the regulations set forth in Chapter 9.07 (“Noise Regulations”) and/or the noise limits set forth in the Culver City Zoning Code. Factors which shall be considered in determining whether the noise is a nuisance shall include, but not be limited to the following:

- (a) The volume of the noise;
- (b) The intensity of the noise;
- (c) Whether the nature of the noise is usual or unusual;
- (d) Whether the origin of the noise is natural or unnatural;
- (e) The volume and intensity of the background noise, if any;
- (f) The proximity of the noise to residential sleeping facilities;
- (g) The nature of the zoning of the area from which the noise emanates;
- (h) The density of inhabitation of the area from which the noise emanates;
- (i) The time of day or night the noise occurs;
- (j) The duration of the noise;
- (k) Whether the noise is recurrent, intermittent, or constant;
- (l) Whether the noise is produced by commercial or noncommercial activity; and
- (m) Whether the noise is a consequence or expected result of an otherwise lawful use.

4. *Mechanical noise or construction noise near residential zones.*

- (a) The use or operation of any automobile, motorcycle, engine, machine, or mechanical device, or other contrivance or facility, or the carrying on of any trade or business, causing between the hours of 8:00 p.m. and 8:00 a.m., any loud or unusual noise or sound, disturbing the peace of residents of a residentially zoned neighborhood.
- (b) Any construction or excavation work, except between the hours of 8:00 a.m. and 8:00 p.m. Mondays through Fridays, or between the hours of 9:00 a.m. and 7:00 p.m. on Saturdays, or between the hours of 10:00 a.m. and 7:00 p.m. on Sundays.

Section 9.07.015 Violations; Penalties.

- A. *Prima facie violation.* Any noise which is reasonably determined to be excessively loud, piercing, or offensive to occupants of neighboring properties or peace officers called to the location of the noise shall be deemed prima facie evidence of a violation of the provisions of this Chapter.

- C. *Additional remedy.* The operation or maintenance of any device, instrument, vehicle, or machinery in violation of any provision of this Chapter which causes or creates noise levels exceeding the allowable limits as specified, shall be deemed a public nuisance and may be subject to abatement summarily by a restraining order or injunction issued by a court of competent jurisdiction. Additionally, no provisions of this Chapter shall be construed to impair by common law or statutory cause of action, or legal remedy therefrom, or any person from injury or damage arising from any violation of this Chapter or from other law.

Section 9.07.020 Noise Disturbances Prohibited; Specific Prohibitions.

No person shall unnecessarily make, continue, or cause to be made or continued, any noise disturbance.

2.3 Existing Ambient Noise Levels

Some land uses are considered more sensitive to intrusive noise than others based on the types of activities typically involved at the receptor location. Based on a review of the land uses in the Project area, a total of seven noise sensitive receptor locations were selected to represent nearest noise sensitive uses surrounding the Project area. The locations of the seven noise-sensitive receptors are identified as R1 through R7 in Figure 2 (on page 9). Descriptions of the noise receptor locations are provided in Table 3 (on page 10).

Ambient noise measurements were taken at six selected off-site locations (R1 through R6). No ambient noise measurements performed at R7, as the ambient noise levels at the receptor location R7 would be similar to receptor R1, as it is located at the same cul-de-sac as the R1, and would be exposed to similar ambient noise sources. The ambient noise monitoring program was conducted using several Quest Technologies Model 2900 Integrating/Logging Sound Level Meters, these sound level meters meet and exceed the minimum industry standard performance requirements for “Type 2” standard instruments as defined in the American National Standard Institute (ANSI) S1.4. Two 15-minute measurements, one during the daytime hours and another during the nighttime hours, were conducted at the off-site receptor locations R2 through R6, on October 6, 2017 (Friday). A long-term (72 hours) ambient noise measurements were conducted at receptor location R1, from 12:00 p.m. on October 6 through 12:00 p.m. on October 9, 2017, which include both weekday and weekend days.

Table 4 (on page 10) presents the measured ambient noise levels at the selected noise receptors located in the close vicinity of the Project site, in L_{eq} (average sound level). Based on field observation and measured sound data, the current ambient noise environment in the vicinity of the Project Site is controlled primarily by vehicular traffic on local roadways and other typical urban noise.

**Figure 2. Noise Receptor Locations**

Table 3. Description of Noise Receptor Locations

Location	General Description of Measurements Locations	Approximate Distance to Future car Stacker Sites, Feet	Representing Nearby Land Uses
R1	Residence at the cul-de-sac of Charles Avenue (4058 Charles Avenue), adjacent to the Project southern property line.	60	Residential
R2	Residence at the cul-de-sac of Milton Avenue, adjacent to the Project southern property line.	420	Residential
R3	Residence on Huron Avenue, adjacent to the Project western property line	55	Residential
R4	A religious facility located at the southeast corner of Washington Boulevard and Huron Avenue, adjacent to the Project western property line.	30	Religious
R5	An elementary school located on the north side of Washington Boulevard, across from the Project Site.	410	School
R6	Residence on east side of Elena Street, east of the Project Site	225	Residential
R7	Residence at the cul-de-sac of Charles Avenue (4055 Charles Avenue), adjacent to the Project southern property line.	30	Residential
Source: AES, 2017			

Table 4. Existing Ambient Noise Levels

Location	Noise-Sensitive Land Use	Measurement Dates	Measured Ambient Noise Levels, dBA L _{eq}		24-hour CNEL
			Daytime Hours (7 a.m. to 10 p.m.)	Nighttime Hours (10 p.m. to 7 a.m.)	
R1	Residential	10/6/17	52.4 ^a	56.0 ^a	62.8 ^c
		10/7/17	53.4 ^a	54.6 ^a	61.0 ^c
		10/8/17	52.8 ^a	52.8 ^a	60.3 ^c
		10/9/17	51.1 ^a	52.4 ^a	--
R2	Residential	10/6/17	47.7	52.9	56.9 ^d
R3	Residential	10/6/17	57.9	52.4	58.8 ^d
R4	Religious	10/6/17	58.4	56.0	61.2 ^d
R5	School	10/6/17	68.9	64.4	70.4 ^d
R6	Residential	10/6/17	62.7	56.6	63.3 ^d
R7	Residential	10/9/17	51.1 ^b	52.4 ^b	60.3 ^b
^a Lowest measured hourly noise levels during the daytime and nighttime hours. ^b Ambient noise levels at receptor R7 are based on the measured ambient noise levels at receptor R1. ^c Calculated based on long-term hourly noise levels. Calculations procedure and assumptions are depicted on the project ambient noise measurements in Appendix A. ^d Calculated based on short-term (15-minute) noise measurements based on FTA procedures. Calculations procedure and assumptions are depicted on the project ambient noise measurements in Appendix A. Source: AES, 2017, See Appendix A for detail ambient noise measurements data.					

3 IMPACT ANALYSIS

3.1 Significance Thresholds

The City Municipal Code does not have quantitative noise limits as specifically applied to the proposed Stacked Parking operation. However, as noted above the City Municipal Code Section 9.04.015.H and Section 9.07.15 prohibits the following:

- (a) The use or operation of any automobile, motorcycle, engine, machine, or mechanical device, or other contrivance or facility, or the carrying on of any trade or business, causing between the hours of 8:00 p.m. and 8:00 a.m., any loud or unusual noise or sound, disturbing the peace of residents of a residentially zoned neighborhood.*
- (b) Any noise which is reasonably determined to be excessively loud, piercing, or offensive to occupants of neighboring properties.*

The proposed Stacked Parking operation would only operate during the daytime hours, between 8:00 a.m. and 8:00 p.m. Therefore, potential noise impacts would only occur during the daytime hours. As previously discussed, with respect to the community noise assessment, changes in noise levels less than 3 dBA are generally not discernable to most people, while changes greater than 5 dBA are readily noticeable and would be considered a significant increase. As such, the significance threshold for the proposed Stacked Parking operation is based on human perceptibility to changes in noise levels (increases), with regards to the existing ambient noise conditions.

As discussed above, the City (Municipal Code) currently does not have a quantitative noise limits; however, the City Municipal Code Section 9.04.015.H prohibits loud or unusual noises. This can be interpreted as an increase of 3 or 5 dBA above the existing ambient noise levels, as further described below. Therefore, the Project noise impact thresholds are based on the City General Plan Noise Element exterior noise standard (in terms of 24-hour CNEL) and other municipalities (in terms of 1-hour L_{eq}) are recommended. Based on the aforementioned thresholds, the Project operation would have a noise impact on the current outdoor sound environment if:

- The noise level generated by the Stacked Parking operation increase the existing ambient noise level (L_{eq}) at noise sensitive uses by 5 dBA (where the existing ambient noise level is less than 60 dBA L_{eq}) or 3 dBA (where the existing ambient noise level is 60 dBA L_{eq} or greater), during the daytime hours between 8:00 a.m. and 8:00 p.m.⁷

⁷ The 60 dBA L_{eq} is selected based on the City's Noise Element Land Use/Noise Compatibility noise zones between clearly compatibility (Zone A) and compatibility with mitigation (Zone B) for residential uses.

- The noise level generated by the Stacked Parking increase the existing CNEL ambient noise levels at noise sensitive uses by 5 dBA where the existing ambient noise level is less than 65 dBA CNEL (City's exterior noise standard for residential, school and church uses, see Table 2 on page 6) or 3 dBA where the existing ambient noise level is 65 dBA CNEL or greater.

3.1 Operation Impacts

Noise levels generated by Car Stacker equipment were measured at an existing facility, located in Oakland, California, by AES on October 19, 2017; and are referred to as Referenced Noise Levels. This stacker equipment, unlike the Project, does not have noise attenuating design features to reduce operational noise levels and thus, the noise data collected is representative of a highly conservative scenario. Noise levels generated by the sampled Car Stacker equipment operation includes: the electrical motor to power the vertical lift used by the car platform, the platform sideways travel movement; and the impact sound generated when the platform dropping on the ground level (on the way down) or lifting up touching the overhead metal frame (on the way up). Table 5 below presents the measured noise levels from the sampled Car Stacker operation.

Table 5. Car Stacker Reference Noise Levels (without Noise Attenuating Features)

Car Stacker Equipment Noise Source	Measured Noise Levels at specified distance from Car Stacker Equipment,¹ dBA L_{eq}
Motor – moving the lift platform up and down	73 dBA at 5 feet
Lift Platform – moving side way, moving up and stopping at the top, and moving down on the parking ground	66 dBA at 10 feet
¹ Measured noise levels of a CityLift car stacker, located in Oakland, CA, on 10/19/2017 Source: AES, 2017	

3.2 Project Stacked Parking Operation Specifics

The Project proposes to install a total of eight Car Stackers (capable of holding a total of 234 parking spaces) within the existing site grade elevation, and at the existing parking structure roof levels elevations, as shown in Figure 3 on page 13, depicted as Stacker A through Stacker H. The proposed parking volumes are summarized in Table 6 (on page 14). The ground level would include three groupings of Car Stackers (A, B and C) consisting of 2- and 3-high stacked parking, for a total of 120 parking spaces. The roof parking level would include five 2-high parking (D, E, F, G and H), for a total of 114 parking spaces. To represent a worst-case noise scenario, the noise analysis assumed that all of eight Car Stacker locations would operate on a maximum car volumes and all concurrently in one hour, for a total of 234 operations in one hour. Noise levels from the Car Stackers were calculated using the SoundPLAN (version 8.0) computer noise prediction model, using the measured Car Stacker reference noise levels. Calculations worksheets are provided in Appendix B.

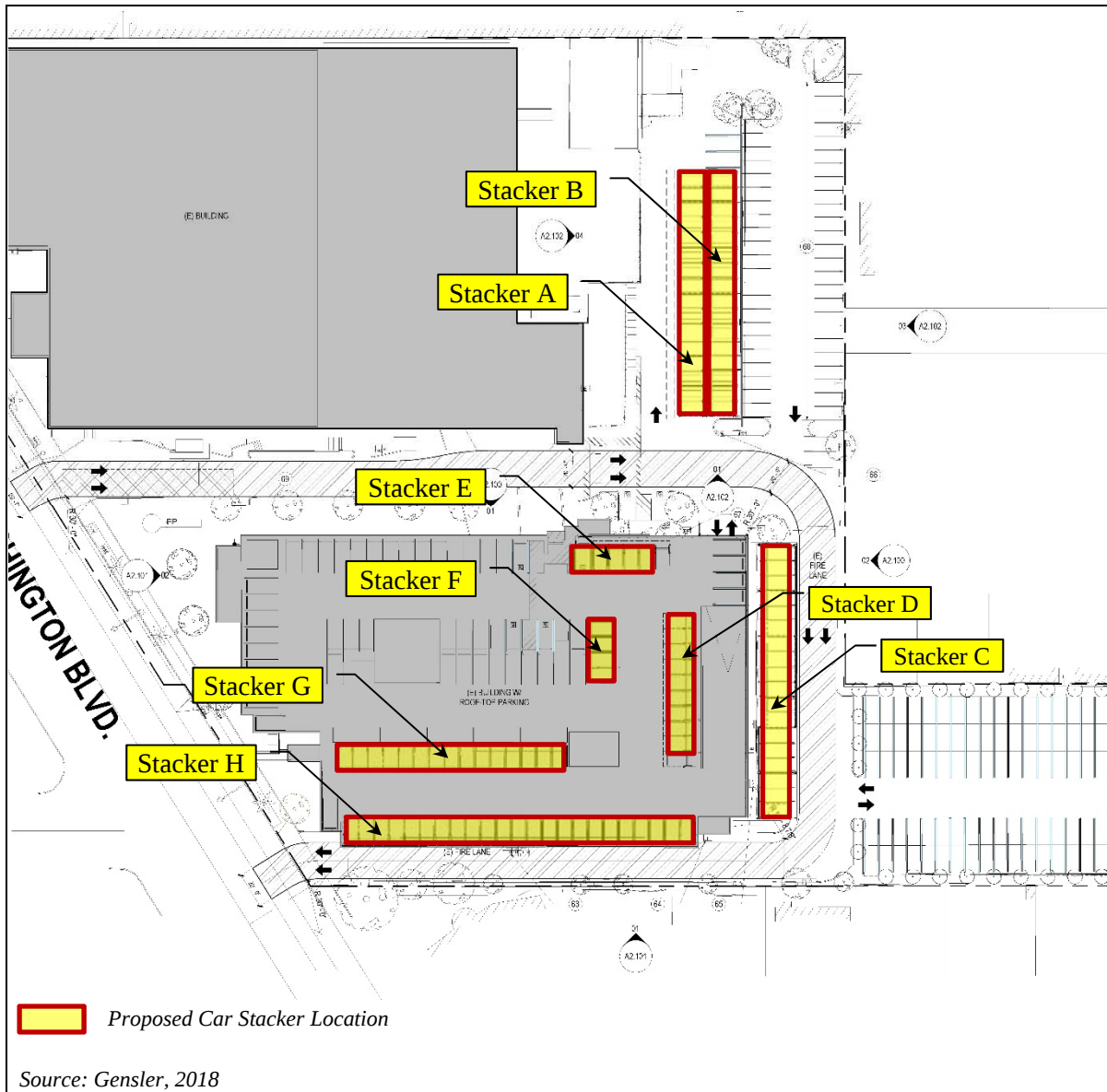
**Figure 3. Proposed Car Stackers Locations**

Table 6. Car Stackers

Stacked Parking	Location	Number of Parking Levels	Number of Parking Spaces
Stacker A	Ground Level	3	42
Stacker B	Ground Level	3	42
Stacker C	Ground Level	2	36
Stacker D	Roof Level	2	20
Stacker E	Roof Level	2	10
Stacker F	Roof Level	2	8
Stacker G	Roof Level	2	30
Stacker H	Roof Level	2	46
Total			234
<i>Source: Gensler, 2018</i>			

Table 7 (below) presents the estimated conservative noise levels (in terms of 1-hour L_{eq}) at the off-site noise sensitive receptors from all car stackers using the sampled Stacked Parking operation (based on measured levels from Stacker measured in Table 5). As indicated in Table 7, the estimated noise levels from the sampled Stacked Parking operation (without noise attenuating features) would increase ambient noise levels at the off-site noise sensitive receptor R7, which is located adjacent to the Project Site by up to 2.2 dBA. At the remaining Project off-site noise receptors (Receptors R1 through R6) the Project car stacker maximum operation is estimated to increase the general ambient sound levels by less than 1 dBA. Therefore, noise attenuating project design features, as described below, would be implemented by the Project to minimize and ensure noise levels do not increase the daytime ambient levels resulting in less than significant impacts.

Table 7. Estimated Noise Levels from Comparative Car Stacker Operation – L_{eq}

Location	Measured Daytime Ambient Noise Levels, dBA (L_{eq})	Estimated Car Stacker Noise Levels, dBA (L_{eq})	Car Stacker plus Ambient Noise Levels, dBA (L_{eq})	Significance Threshold, ¹ dBA (L_{eq})	Maximum Noise Increase, dBA (L_{eq})
R1	51.1	44.1	51.9	56.1	0.8
R2	47.7	32.7	47.8	52.7	0.1
R3	57.9	43.7	58.0	62.9	0.2
R4	58.4	35.5	58.4	63.4	0.0
R5	68.9	29.0	68.9	71.9	0.0
R6	62.7	29.6	62.0	65.7	0.0
R7 ²	51.1	49.4	53.3	56.1	2.2
¹ Significance threshold is equal to the lowest measured daytime ambient noise levels plus 5 dBA (where the existing ambient is less than 60 dBA L_{eq}) or plus 3 dBA (where the existing ambient noise level is 60 dBA L_{eq} or greater). ² Receptor location R7 is located 4055 Charles Avenue, adjacent to the Project Site to the south. Ambient noise level at receptor location R7 is based on ambient noise levels measured at receptor location R1. <i>Source: AES, 2018, See Appendix B for noise calculation worksheets.</i>					

Table 8 (below) presents the estimated noise levels (in terms of 24-hour CNEL) at the off-site noise sensitive receptors from all car stackers using the sampled Stacked Parking operation (based on measured levels from Stacker measured in Table 5). The Car Stacker noise levels were calculated based on assumption of a 12 hours operation day (between 8:00 a.m. and 8:00 p.m.) and a total of 234 operations per single hour (one operation per parking space per hour), for a total of 2,808 operations per day (234 operations x 12 hours). This is conservative assumption, reflecting the worst-noise calculation scenario, as the total daily operations would likely to be less than 2,808. As indicated in Table 8, the estimated noise levels from the sampled Stacked Parking operation (without noise attenuating features) would increase ambient noise levels at the off-site noise sensitive receptor R7 by up to 0.2 dBA. At the remaining Project off-site noise receptors (Receptors R1 through R6) the Project car stacker maximum operation is estimated to increase the general ambient sound levels by maximum of 0.1 dBA. Therefore, noise impacts evaluated in terms of 24-hour CNEL would be less than significant impacts.

Table 8. Estimated Noise Levels from Comparative Car Stacker Operation - CNEL

Location	Existing Ambient Noise Levels, ¹ dBA (CNEL)	Estimated Car Stacker Noise Levels, ² dBA (CNEL)	Car Stacker plus Ambient Noise Levels, dBA (CNEL)	Significance Threshold, ³ dBA (CNEL)	Maximum Noise Increase, dBA (Leq)
R1	60.3	41.8	60.4	65.3	0.1
R2	56.9	30.4	56.9	61.9	0.0
R3	58.8	41.4	58.9	63.8	0.1
R4	61.2	33.2	61.2	66.2	0.0
R5	70.4	26.7	70.4	73.4	0.0
R6	63.3	27.3	63.3	68.3	0.0
R7 ⁴	60.3	47.1	60.5	65.3	0.2

¹ Existing ambient noise levels in CNEL are calculated on the measured L_{eq} levels.
² Car stacker noise levels in CNEL are based on operation hours between 8:00 a.m. and 8:00 p.m.
³ Significance threshold is equal to the existing ambient noise levels plus 5 dBA (where the existing ambient is less than 65 dBA CNEL) or plus 3 dBA (where the existing ambient noise level is 65 dBA CNEL or greater).
⁴ Receptor location R7 is located 4055 Charles Avenue, adjacent to the Project Site to the south. Ambient noise level at receptor location R7 is based on ambient noise levels measured at receptor location R1.
Source: AES, 2018, See Appendix B for noise calculation worksheets.

4 PROJECT DESIGN FEATURES

The proposed Car Stackers would be provided with a non-perforated metal screen wall (2 inch thick insulated metal panel with a minimum sound transmission class rating of STC 23) at the upper portion of the ground level Car Stackers.⁸ The insulated metal panel includes foamed-in-place polyisocyanurate (PIR) infill. A metal screen wall would also be provided for the Car

⁸ Centria Formawall Dimension Series, DS-60 2" Insulated Metal Panel, STC 23. A copy of manufacturer specifications is provided in Appendix C.

Stackers at the parking roof level. The metal screen wall would provide adequate shielding to the adjacent noise sensitive uses. The proposed noise attenuating design measures will be reviewed by the Project design team and its acoustical engineer prior to plan check review by the City.

Furthermore, the Project applicant will provide the City with post-construction noise measurements and a report to verify that the installed Car Stacker equipment meets the Project's noise limits, as specified in the Project Noise Monitoring Program, below.

Based on the above, noise generated from operation of the proposed Car Stackers would not exceed the applicable significance thresholds and noise impacts from the Project would be less than significant.

5 PROJECT NOISE MONITORING PROGRAM

The primary objective of this post-construction noise verification test is to identify the potential ambient noise increase caused by the operation of the Project car stackers.

Post-construction Car Stacker noise measurement requirements,

1. Post-construction noise measurements shall be conducted by a qualified acoustical consultant, with minimum of 5 years experience in the field of acoustics.
2. Noise measurements shall be conducted in accordance with ASTM Standard E-1014 "Standard Guide for Measurement of Outdoor A-Weighted Sound Levels" and ASTM Standard E-1780 "Standard Guide for Measuring Outdoor Sound Received from a Nearby Fixed Source".
3. Noise measurements shall be conducted using a Type 1 Sound Level Meter as defined by ANSI S1.4 "Specification for Sound Level Meters". The sound level meter (microphone) shall be placed at 5 feet above the local grade and 3 feet from any sound reflecting surfaces.
4. Noise measurements shall be conducted during the peak operation period between the hours of 8:00 a.m. and 8:00 p.m.
5. Noise measurements shall be conducted at the four noise sensitive receivers adjacent to the Project Site, identified as R1, R3, R4 and R7. Receptor location R7 represents the residence at 4055 Charles Avenue.
6. Noise measurement shall be conducted with the Car Stacker operation for a full complete cycle (simulated with an actual vehicle on the platform), including: moving the platform sideway, lowering the platform, and raising the platform.

7. Noise levels with the Car Stacker operation shall be measured with the Sound Level Meter set to “Slow” weighting and recorded the average sound level (L_{eq}) for a minimum of one-hour during the peak operation period.
8. Ambient noise (without the Car Stacker operation) shall be recorded just prior to the Car Stacker operation, to ensure the ambient does not influence the Car Stacker measurement.
9. A report shall be prepared, summarizing the noise measurement procedures and results, as compared with the Project’s noise criteria provided in Table 9 below. The baseline ambient noise levels by which the Car Stacker noise intrusion are analyzed, as provided in Table 9 is based on the lowest measured ambient noise levels. If the measured ambient noise levels without the Car Stacker operation (during the Post Construction Measurements) are higher than the baseline ambient noise levels provided in Table 9, the measured ambient noise levels becomes the baseline. If the measured noise levels exceed the Project’s noise criteria, provide a description of the source causing the noise exceedance. In this unanticipated scenario, the Project Applicant will work with the City to implement additional design features that result in acceptable noise levels based on City standards.

Table 9. Car Stacker – Post Construction Measurements

Noise Measurement Location ¹	Baseline Daytime Ambient Noise Levels, dBA (L_{eq})	Car Stacker Project Noise Limits, ² dBA L_{eq}	Post-Construction Measured Maximum Noise Levels, dBA L_{eq}
R1 - Project southern property line adjacent to the residence at 4058 Charles Avenue (cul-de-sac)	51.1	56.1	
R3 – Project western property line adjacent to the residence on Huron Avenue	57.9	62.9	
R4 – Project western property line adjacent to the religious facility located at the southeast corner of Washington Boulevard and Huron Avenue	58.4	63.4	
R7 – Project southern property line adjacent to the residence at 4055 Charles Avenue (cul-de-sac)	51.1 ³	56.1 ³	
¹ Refer to Figure 2 for the noise receptor location. ² Project’s noise limits are based on the lowest measured daytime ambient noise levels plus 5 dBA (where the existing ambient is less than 60 dBA L_{eq}) or plus 3 dBA (where the existing ambient noise level is 60 dBA L_{eq} or greater). ³ Noise limits at receptor R7 is based on the measured ambient at receptor R1. Source: AES, 2018			

Appendix A

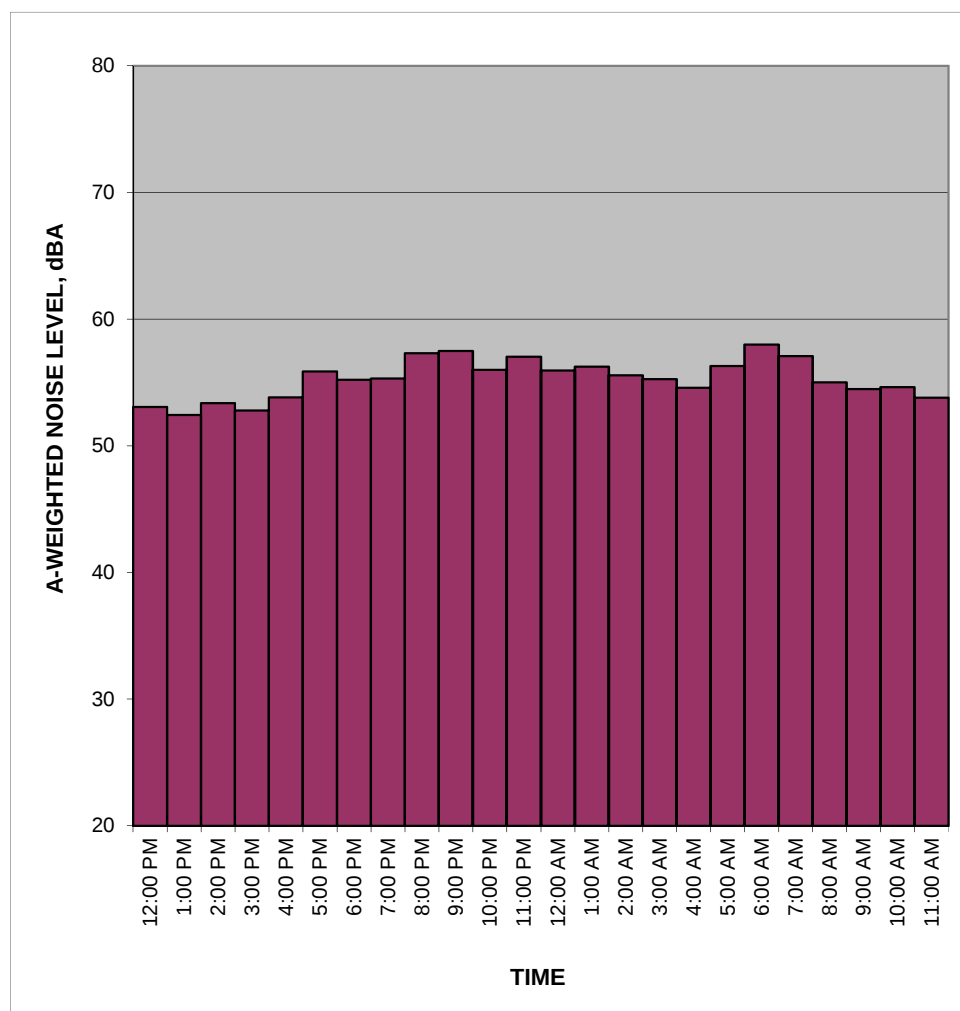
Ambient Noise Measurements

Measured Ambient Noise Levels

Project: 10950 Washington
Location: R1
Sources: Ambient

Date: 10/6 - 10/7/2017

TIME	HNL, dB(A)
12:00 PM	53.1
1:00 PM	52.4
2:00 PM	53.4
3:00 PM	52.8
4:00 PM	53.8
5:00 PM	55.9
6:00 PM	55.2
7:00 PM	55.3
8:00 PM	57.3
9:00 PM	57.5
10:00 PM	56.0
11:00 PM	57.0
12:00 AM	55.9
1:00 AM	56.2
2:00 AM	55.5
3:00 AM	55.2
4:00 AM	54.6
5:00 AM	56.3
6:00 AM	58.0
7:00 AM	57.1
8:00 AM	55.0
9:00 AM	54.5
10:00 AM	54.6
11:00 AM	53.8
CNEL, dB(A):	62.8



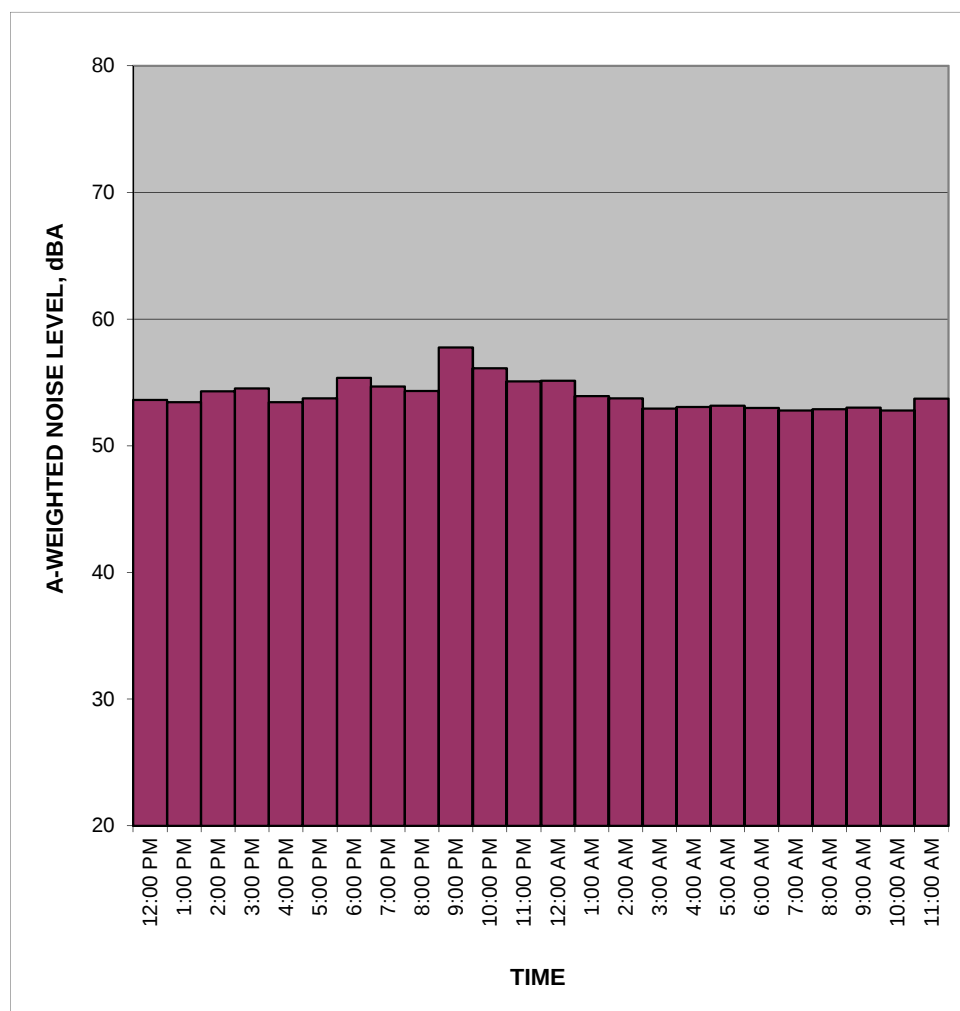
NOTES: CNEL level is calculated based on the hourly Leq with +5 dBA adjustment for evening hours (7pm to 10pm) and +10 dBA adjustment for nighttime hours (10pm to 7am)

Measured Ambient Noise Levels

Project: 10950 Washington
Location: R1
Sources: Ambient

Date: 10/7 - 10/8/2017

TIME	HNL, dB(A)
12:00 PM	53.6
1:00 PM	53.4
2:00 PM	54.3
3:00 PM	54.5
4:00 PM	53.4
5:00 PM	53.7
6:00 PM	55.4
7:00 PM	54.7
8:00 PM	54.3
9:00 PM	57.8
10:00 PM	56.1
11:00 PM	55.1
12:00 AM	55.1
1:00 AM	53.9
2:00 AM	53.7
3:00 AM	52.9
4:00 AM	53.1
5:00 AM	53.2
6:00 AM	53.0
7:00 AM	52.8
8:00 AM	52.9
9:00 AM	53.0
10:00 AM	52.8
11:00 AM	53.7
CNEL, dB(A):	61.0



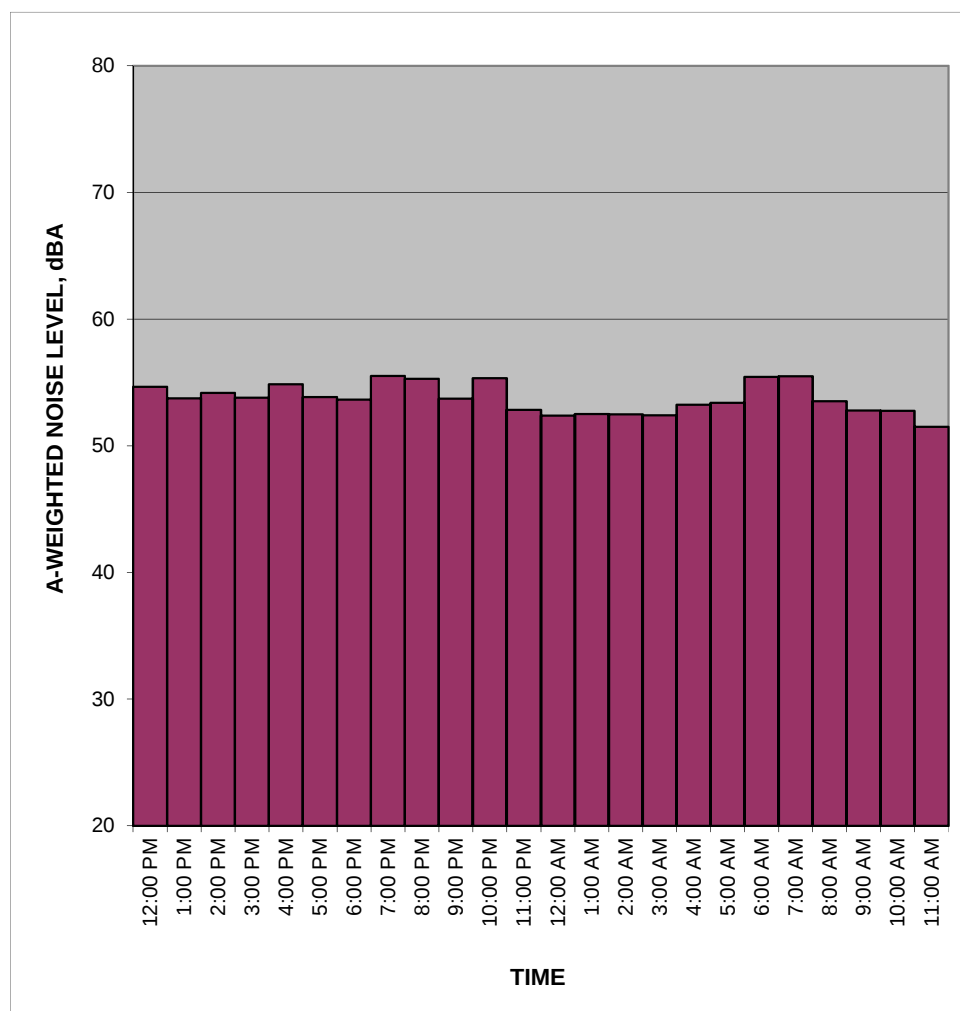
NOTES: CNEL level is calculated based on the hourly Leq with +5 dBA adjustment for evening hours (7pm to 10pm) and +10 dBA adjustment for nighttime hours (10pm to 7am)

Measured Ambient Noise Levels

Project: 10950 Washington
Location: R1
Sources: Ambient

Date: 10/8 - 10/9/2017

TIME	HNL, dB(A)
12:00 PM	54.6
1:00 PM	53.7
2:00 PM	54.2
3:00 PM	53.8
4:00 PM	54.9
5:00 PM	53.8
6:00 PM	53.6
7:00 PM	55.5
8:00 PM	55.3
9:00 PM	53.7
10:00 PM	55.3
11:00 PM	52.8
12:00 AM	52.4
1:00 AM	52.5
2:00 AM	52.5
3:00 AM	52.4
4:00 AM	53.2
5:00 AM	53.4
6:00 AM	55.4
7:00 AM	55.5
8:00 AM	53.5
9:00 AM	52.8
10:00 AM	52.8
11:00 AM	51.5
CNEL, dB(A):	60.3



NOTES: CNEL level is calculated based on the hourly Leq with +5 dBA adjustment for evening hours (7pm to 10pm) and +10 dBA adjustment for nighttime hours (10pm to 7am)

10950 Washington Parking Project - Ambient Noise Measurements

Receptor	Measured Ambient Noise Levels		Estimated CNEL Levels			
	Daytime	Nighttime	CNEL	Ld	Le	Ln
	Leq	Leq				
R2	47.7	52.9	56.9	47.7	47.7	52.9
R3	57.9	52.4	58.8	57.9	57.9	52.4
R4	58.4	56.0	61.2	58.4	58.4	56.0
R5	68.9	64.4	70.4	68.9	68.9	64.4
R6	62.7	56.6	63.3	62.7	62.7	56.6

CNEL levels are estimated based on FTA guidelines (Transit Noise and Vibration Impact Assessment, 2006)

- Ld and Le = measured daytime ambient

- Ln = measured nighttime ambient

$$\text{CNEL} = 10 \log [12 * 10^{((Ld-2)/10)} + 3 * 10^{((Le+3)/10)} + 9 * 10^{((Ln+8)/10)}] - 13.8$$

Location: R2
Date: 10/6/2017

Time	Overload	Leq	Lmax	L10	L90
11:14:14 AM	No	51.1	58	54.8	44.2
11:15:14 AM	No	48.2	56.3	51.2	43.7
11:16:14 AM	No	49.6	61.8	52.2	42.7
11:17:14 AM	No	51.8	57	55.5	42.5
11:18:14 AM	No	44.4	54.1	46.3	41.7
11:19:14 AM	No	51.4	59.7	55	45.1
11:20:14 AM	No	44	48.1	45.3	42.5
11:21:14 AM	No	43.9	50.7	46.1	42
11:22:14 AM	No	44.1	49.8	45.8	42.4
11:23:14 AM	No	43.6	47.4	44.3	42.7
11:24:14 AM	No	44.1	48.3	45.2	43
11:25:14 AM	No	47.7	59.9	50.4	43.3
11:26:14 AM	No	44.3	52.3	45.1	43.3
11:27:14 AM	No	45	54.2	46.9	42.7
11:28:14 AM	No	45.1	53.8	47.2	42.3
		47.7	61.8	51.5	42.5

Time	Overload	Leq	Lmax	L10	L90
12:01:44 AM	No	54.3	56.7	55	53.5
12:02:44 AM	No	53.7	54.9	54.4	52.9
12:03:44 AM	No	53.6	54.9	54.3	52.7
12:04:44 AM	No	53.6	55.7	54.3	52.7
12:05:44 AM	No	52	53.9	53.3	51.1
12:06:44 AM	No	52.9	54.1	53.4	52.4
12:07:44 AM	No	53	53.8	53.4	52.5
12:08:44 AM	No	52.2	54.3	53.4	51.4
12:09:44 AM	No	52.1	53.3	52.7	51.5
12:10:44 AM	No	52.8	53.5	53.2	52.3
12:11:44 AM	No	52	53.2	52.6	51.2
12:12:44 AM	No	51.7	52.3	51.9	51.3
12:13:44 AM	No	52.2	52.9	52.7	51.7
12:14:44 AM	No	52.7	54.8	53.5	51.9
12:15:44 AM	No	53.1	55.7	54.1	52.5
		52.9	56.7	54.1	51.6

Location: R3
Date: 10/6/2017

Time	Overload	Leq	Lmax	L10	L90
11:32:10 AM	No	56.3	60.2	57.7	54.9
11:33:10 AM	No	56.1	63.1	57.1	54.6
11:34:10 AM	No	55.7	57.7	56.7	54.5
11:35:10 AM	No	55	56.8	56.1	53.9
11:36:10 AM	No	59.3	69.3	63	54.5
11:37:10 AM	No	55.8	60	56.9	54.5
11:38:10 AM	No	56.7	59.7	58	55.1
11:39:10 AM	No	55.7	59.3	57.1	54.4
11:40:10 AM	No	59.8	66.2	62.1	57
11:41:10 AM	No	63.6	69.3	67.4	58.1
11:42:10 AM	No	57.5	61	59	55.9
11:43:10 AM	No	56.6	62.7	57.5	55.4
11:44:10 AM	No	56.7	59.6	57.7	55.3
11:45:10 AM	No	55.6	59.6	56.5	54.7
11:46:10 AM	No	56.5	62.1	58.7	54.4
		57.9	69.3	59.4	54.6

Time	Overload	Leq	Lmax	L10	L90
12:20:01 AM	No	53.5	59.7	56	51.2
12:21:01 AM	No	53	65.3	54.1	51.5
12:22:01 AM	No	53	64.3	54.8	49.9
12:23:01 AM	No	51.8	59.9	53.6	49.7
12:24:01 AM	No	52.7	62.6	54.2	50.6
12:25:01 AM	No	52.5	55.9	54	51.2
12:26:01 AM	No	51.7	56.1	53.6	50.4
12:27:01 AM	No	52.9	61.2	54.3	50.2
12:28:01 AM	No	52	60.5	53.7	50
12:29:01 AM	No	53	61.7	54.5	50.8
12:30:01 AM	No	51.5	56.2	53.4	50.2
12:31:01 AM	No	52.2	57.9	53.6	50.3
12:32:01 AM	No	50.3	54.7	51.5	49.1
12:33:01 AM	No	51.7	55.2	54.1	49.9
12:34:01 AM	No	53.2	57.4	55.2	50.3
		52.4	65.3	54.2	50

Location: R4
Date: 10/6/2017

Time	Overload	Leq	Lmax	L10	L90
11:48:56 AM	No	58.3	66.4	60.9	50.8
11:49:56 AM	No	58.7	64.4	62.1	51.3
11:50:56 AM	No	57	62.8	60.4	48.6
11:51:56 AM	No	57.7	63.7	61.6	49.3
11:52:56 AM	No	55.9	62.5	59.7	49.6
11:53:56 AM	No	59.1	62.9	61.4	53.1
11:54:56 AM	No	60.9	66.8	63.4	56.5
11:55:56 AM	No	55.2	62.9	59.2	49.2
11:56:56 AM	No	60	67.1	63.5	51.5
11:57:56 AM	No	55.3	64.3	59.4	49.4
11:58:56 AM	No	57.5	62.6	61	51
11:59:56 AM	No	59.1	65	61.7	51.7
12:00:56 PM	No	60.2	65.8	63.1	50.3
12:01:56 PM	No	56.4	62.2	60.3	50.7
12:02:56 PM	No	59	66.9	62.1	48.9
		58.4	67.1	61.7	49.9

Time	Overload	Leq	Lmax	L10	L90
12:36:57 AM	No	55.9	63.9	59.7	50.7
12:37:57 AM	No	56.5	63.7	60	51.5
12:38:57 AM	No	56.8	66.4	60.2	51.8
12:39:57 AM	No	57.4	68.4	61.1	52.4
12:40:57 AM	No	57.2	62.9	60.7	53.5
12:41:57 AM	No	58	65.4	61.7	52.3
12:42:57 AM	No	55.5	62.1	58.5	52.6
12:43:57 AM	No	56.1	63.5	59.7	51.8
12:44:57 AM	No	56.3	62	59.2	52.5
12:45:57 AM	No	54.3	60.6	57.1	52.3
12:46:57 AM	No	54.8	60.9	57.9	51.7
12:47:57 AM	No	52.2	55.1	53.8	50.9
12:48:57 AM	No	55.6	60.9	58.6	53
12:49:57 AM	No	53.7	60	55.9	51.5
12:50:57 AM	No	55.9	62	59.3	52.6
		56.0	68.4	59.3	51.7

Location: R5
Date: 10/6/2017

Time	Overload	Leq	Lmax	L10	L90
12:11:53 PM	No	69.5	74.9	73	58.7
12:12:53 PM	No	69.5	74.4	72.4	63.9
12:13:53 PM	No	67.8	72.7	70.5	61.4
12:14:53 PM	No	70.2	73.6	72.2	66.1
12:15:53 PM	No	67.7	74	72.4	53.4
12:16:53 PM	No	68.2	74.9	70.3	62.4
12:17:53 PM	No	69.6	74.8	73.2	60.1
12:18:53 PM	No	68	73	72.1	57.5
12:19:53 PM	No	70.1	75.3	72.5	66.8
12:20:53 PM	No	67.5	70.9	69.9	62
12:21:53 PM	No	66.3	72.2	70.1	55.3
12:22:53 PM	No	69.2	73.4	71.6	56.1
12:23:53 PM	No	68.8	74.2	72	61.7
12:24:53 PM	No	67	73.6	71.9	51.1
12:25:53 PM	No	70.6	75.2	73.4	66.2
		68.9	75.3	72.1	59.0

Time	Overload	Leq	Lmax	L10	L90
12:58:42 AM	No	62.5	72.4	67.3	53.4
12:59:42 AM	No	59.3	70.6	61.9	53.9
1:00:42 AM	No	67.1	75.8	69.7	59
1:01:42 AM	No	65	71.2	68.9	57.1
1:02:42 AM	No	64.3	72.9	68.8	55.9
1:03:42 AM	No	64.9	72.4	69.8	57.5
1:04:42 AM	No	66.9	77	70.7	56.9
1:05:42 AM	No	64.5	72.6	69.6	55.7
1:06:42 AM	No	63.2	71.1	67.8	56.5
1:07:42 AM	No	63.4	71.5	67.6	55.7
1:08:42 AM	No	64.4	70.3	68.1	58.9
1:09:42 AM	No	63.2	69.7	67.1	57.8
1:10:42 AM	No	65.4	72.9	69.3	58.9
1:11:42 AM	No	61.6	69.5	66.5	56.1
1:12:42 AM	No	64.7	72.2	69.3	56.6
		64.4	77.0	68.5	55.6

Location: R6
Date: 10/6/2017

Time	Overload	Leq	Lmax	L10	L90
12:49:32 PM	No	64.1	71.8	68.5	52.4
12:50:32 PM	No	63.6	69.9	67	55.7
12:51:32 PM	No	63	70.5	68.1	53.6
12:52:32 PM	No	66	73.5	69.3	59
12:53:32 PM	No	59.7	69.1	64.5	48.2
12:54:32 PM	No	58.7	69	63.1	48.5
12:55:32 PM	No	61.8	72	66.9	49.1
12:56:32 PM	No	61.2	67	65.7	50.1
12:57:32 PM	No	61	70.7	66.2	48.9
12:58:32 PM	No	62.9	70.8	66.7	54.8
12:59:32 PM	No	62.2	69.6	66.7	53.1
1:00:32 PM	No	62.6	69.8	66.2	53.7
1:01:32 PM	No	62.1	70.1	66.6	51.9
1:02:32 PM	No	64.8	71.2	69	55.7
1:03:32 PM	No	61.1	69.4	66.8	48.5
		62.7	73.5	67.1	49.7

Time	Overload	Leq	Lmax	L10	L90
1:17:53 AM	No	51.6	54.6	52.9	49.4
1:18:53 AM	No	58.2	68.7	61.9	51.5
1:19:53 AM	No	52.1	54.1	53.1	50.8
1:20:53 AM	No	54.6	62.7	57.2	51.5
1:21:53 AM	No	56.9	65.9	61.4	50.2
1:22:53 AM	No	51.6	53	52.4	50.8
1:23:53 AM	No	54.5	59.1	56.6	52.8
1:24:53 AM	No	59.5	70.3	63.7	51.3
1:25:53 AM	No	54.6	63.1	58.4	50.9
1:26:53 AM	No	53.2	55.7	54.5	51.7
1:27:53 AM	No	63.5	75.7	67.5	51.8
1:28:53 AM	No	57.8	67.9	61.8	51.5
1:29:53 AM	No	51.1	52.6	52.1	50.4
1:30:53 AM	No	51.3	53.6	52.8	49.1
1:31:53 AM	No	52	58.4	53.5	50.1
		56.6	75.7	57.1	50.7

Appendix B

Operation Noise Calculations Worksheets

[illegible]

Stacker Operation Noise Calculations

Project: 10950 Washington - NFL Car Stacker Parking

Hours of Operations

Estimated Noise Levels, Leq(1-hr) from SOUNDPLAN			Hours of Operations		
Receptor	Leq	CNEL	Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
R1	44.1	41.8	43.7	39.3	0.0
R2	32.7	30.4	32.3	27.9	0.0
R3	43.7	41.4	43.3	38.9	0.0
R4	35.5	33.2	35.1	30.7	0.0
R5	29.0	26.7	28.6	24.2	0.0
R6	29.6	27.3	29.2	24.8	0.0
R7	49.4	47.1	49.0	44.6	0.0

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	60.3	60.4	0.1	51.1	51.9	0.8
R2	56.9	56.9	0.0	47.7	47.8	0.1
R3	58.8	58.9	0.1	57.8	58.0	0.2
R4	61.2	61.2	0.0	58.4	58.4	0.0
R5	70.4	70.4	0.0	68.9	68.9	0.0
R6	63.3	63.3	0.0	62.7	62.7	0.0
R7	60.3	60.5	0.2	51.1	53.3	2.2

10950 Washington (NFL Networks Parking)
Octave spectra of the sources in dB(A) - Stacker - Leq (1-Hr) 111218

3

Name	Source type	Lw dB(A)	Emission spectrum	63Hz dB	125Hz dB	250Hz dB	500Hz dB	1kHz dB	2kHz dB	4kHz dB	8kHz dB	
Stacker A1-1	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A1-2	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A1-3	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A1-4	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A1-5	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A1-6	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A1-7	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A1-8	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A1-9	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A1-10	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A1-11	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A1-12	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A1-13	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A1-14	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Motor A1-14	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A1-13	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A1-12	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A1-11	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A1-10	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A1-9	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A1-8	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A1-7	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A1-6	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A1-5	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A1-4	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A1-3	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A1-2	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A1-1	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Stacker B1-1	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B1-2	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B1-3	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B1-4	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B1-5	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B1-6	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B1-7	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B1-8	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B1-9	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B1-10	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B1-11	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B1-12	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B1-13	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B1-14	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	

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10950 Washington (NFL Networks Parking)
Octave spectra of the sources in dB(A) - Stacker - Leq (1-Hr) 111218

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Name	Source type	Lw dB(A)	Emission spectrum	63Hz dB	125Hz dB	250Hz dB	500Hz dB	1kHz dB	2kHz dB	4kHz dB	8kHz dB	
Motor B1-1	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B1-2	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B1-3	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B1-4	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B1-5	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B1-6	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B1-7	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B1-8	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B1-9	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B1-10	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B1-11	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B1-12	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B113	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B1-14	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Stacker A2-14	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A2-13	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A2-12	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A2-11	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A2-10	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A2-9	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A2-8	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A2-7	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A2-6	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A2-5	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A2-4	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A2-3	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A2-2	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A2-1	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Motor A2-14	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A2-13	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A2-12	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A2-11	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A2-10	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A2-9	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A2-8	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A2-7	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A2-6	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A2-5	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A2-4	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A2-3	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A2-2	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A2-1	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	

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10950 Washington (NFL Networks Parking)
Octave spectra of the sources in dB(A) - Stacker - Leq (1-Hr) 111218

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Name	Source type	Lw dB(A)	Emission spectrum	63Hz dB	125Hz dB	250Hz dB	500Hz dB	1kHz dB	2kHz dB	4kHz dB	8kHz dB	
Stacker B2-1	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B2-2	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B2-3	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B2-4	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B2-5	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B2-6	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B2-7	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B2-8	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B2-9	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B2-10	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B2-11	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B2-12	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B2-13	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B2-14	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Motor B2-1	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B2-2	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B2-3	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B2-4	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B2-5	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B2-6	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B2-7	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B2-8	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B2-9	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B2-10	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B2-11	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B2-12	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B2-13	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B2-14	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Stacker A3-14	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A3-13	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A3-12	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A3-11	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A3-10	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A3-9	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A3-8	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A3-7	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A3-6	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A3-5	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A3-4	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A3-3	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A3-2	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker A3-1	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	

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10950 Washington (NFL Networks Parking)
Octave spectra of the sources in dB(A) - Stacker - Leq (1-Hr) 111218

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Name	Source type	Lw dB(A)	Emission spectrum	63Hz dB	125Hz dB	250Hz dB	500Hz dB	1kHz dB	2kHz dB	4kHz dB	8kHz dB	
Motor A3-14	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A3-13	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A3-12	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A3-11	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A3-10	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A3-9	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A3-8	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A3-7	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A3-6	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A3-5	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A3-4	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A3-3	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A3-2	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor A3-1	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Stacker B3-1	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B3-2	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B3-3	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B3-4	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B3-5	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B3-6	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B3-7	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B3-8	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B3-9	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B3-10	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B3-11	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B3-12	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B3-13	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker B3-14	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Motor B3-1	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B3-2	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B3-3	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B3-4	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B3-5	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B3-6	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B3-7	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B3-8	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B3-9	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B3-10	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B3-11	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B3-12	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B3-13	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor B3-14	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	

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10950 Washington (NFL Networks Parking)
Octave spectra of the sources in dB(A) - Stacker - Leq (1-Hr) 111218

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Name	Source type	Lw dB(A)	Emission spectrum	63Hz dB	125Hz dB	250Hz dB	500Hz dB	1kHz dB	2kHz dB	4kHz dB	8kHz dB	
Stacker H1-23	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-22	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-21	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-20	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-19	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-18	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-17	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-16	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-15	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-14	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-13	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-12	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-11	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-10	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-9	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-8	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-7	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-6	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-5	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-4	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-3	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-2	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H1-1	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Motor H1-1	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-2	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-3	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-4	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-5	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-6	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-7	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-8	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-9	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-10	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-11	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-12	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-13	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-14	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-15	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-16	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-17	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-18	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-19	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	

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10950 Washington (NFL Networks Parking)
Octave spectra of the sources in dB(A) - Stacker - Leq (1-Hr) 111218

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Name	Source type	Lw dB(A)	Emission spectrum	63Hz dB	125Hz dB	250Hz dB	500Hz dB	1kHz dB	2kHz dB	4kHz dB	8kHz dB	
Motor H1-20	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-21	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-22	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H1-23	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Stacker G1-1	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G1-2	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G1-3	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G1-4	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G1-5	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G1-6	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G1-7	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G1-8	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G1-9	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G1-10	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G1-11	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G1-12	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G1-13	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G1-14	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G1-15	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Motor G1-1	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G1-2	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G1-3	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G1-4	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G1-5	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G1-6	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G1-7	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G1-8	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G1-9	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G1-10	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G1-11	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G1-12	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G1-13	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G1-14	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G1-15	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Stacker H2-23	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-22	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-21	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-20	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-19	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-18	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-17	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-16	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	

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10950 Washington (NFL Networks Parking) Octave spectra of the sources in dB(A) - Stacker - Leq (1-Hr) 111218

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Name	Source type	Lw dB(A)	Emission spectrum	63Hz dB	125Hz dB	250Hz dB	500Hz dB	1kHz dB	2kHz dB	4kHz dB	8kHz dB	
Stacker H2-15	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-14	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-13	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-12	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-11	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-10	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-9	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-8	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-7	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-6	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-5	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-4	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-3	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-2	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker H2-1	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Motor H2-1	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-2	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-3	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-4	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-5	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-6	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-7	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-8	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-9	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-10	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-11	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-12	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-13	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-14	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-15	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-16	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-17	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-18	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-19	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-20	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-21	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-22	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor H2-23	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Stacker F1-1	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker F1-2	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker F1-3	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker F1-4	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	

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10950 Washington (NFL Networks Parking)
Octave spectra of the sources in dB(A) - Stacker - Leq (1-Hr) 111218

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Name	Source type	Lw dB(A)	Emission spectrum	63Hz dB	125Hz dB	250Hz dB	500Hz dB	1kHz dB	2kHz dB	4kHz dB	8kHz dB	
Motor F1-1	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor F1-2	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor F1-3	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor F1-4	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Stacker F2-1	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker F2-2	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker F2-3	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker F2-4	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Motor F2-1	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor F2-2	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor F2-3	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor F2-4	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Stacker G2-1	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G2-2	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G2-3	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G2-4	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G2-5	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G2-6	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G2-7	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G2-8	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G2-9	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G2-10	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G2-11	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G2-12	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G2-13	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G2-14	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker G2-15	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Motor G2-1	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G2-2	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G2-3	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G2-4	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G2-5	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G2-6	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G2-7	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G2-8	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G2-9	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G2-10	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G2-11	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G2-12	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G2-13	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G2-14	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor G2-15	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	

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10950 Washington (NFL Networks Parking)
Octave spectra of the sources in dB(A) - Stacker - Leq (1-Hr) 111218

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Name	Source type	Lw dB(A)	Emission spectrum	63Hz dB	125Hz dB	250Hz dB	500Hz dB	1kHz dB	2kHz dB	4kHz dB	8kHz dB	
Stacker D1-1	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker D1-2	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker D1-3	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker D1-4	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker D1-5	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker D1-6	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker D1-7	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker D1-8	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker D1-9	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker D1-10	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Motor D1-1	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor D1-2	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor D1-3	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor D1-4	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor D1-5	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor D1-6	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor D1-7	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor D1-8	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor D1-9	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor D1-10	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Stacker D2-1	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker D2-2	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker D2-3	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker D2-4	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker D2-5	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker D2-6	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker D2-7	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker D2-8	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker D2-9	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker D2-10	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Motor D2-1	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor D2-2	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor D2-3	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor D2-4	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor D2-5	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor D2-6	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor D2-7	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor D2-8	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor D2-9	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor D2-10	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Stacker E1-5	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker E1-4	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	

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10950 Washington (NFL Networks Parking)
Octave spectra of the sources in dB(A) - Stacker - Leq (1-Hr) 111218

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Name	Source type	Lw dB(A)	Emission spectrum	63Hz dB	125Hz dB	250Hz dB	500Hz dB	1kHz dB	2kHz dB	4kHz dB	8kHz dB	
Stacker E1-3	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker E1-2	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker E1-1	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Motor E1-1	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor E1-2	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor E1-3	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor E1-4	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor E1-5	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Stacker E2-5	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker E2-4	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker E2-3	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker E12-2	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker E2-1	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Motor E2-1	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor E2-2	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor E2-3	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor E2-4	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor E2-5	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Stacker C1-17	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C1-16	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C1-14	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C1-13	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C1-12	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C1-11	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C1-10	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C1-9	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C1-1	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C1-2	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C1-3	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C1-4	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C1-8	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C1-7	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C1-6	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C1-5	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C1-18	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C1-15	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Motor C1-7	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-8	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-9	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-10	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-11	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-12	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	

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10950 Washington (NFL Networks Parking)
Octave spectra of the sources in dB(A) - Stacker - Leq (1-Hr) 111218

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Name	Source type	Lw dB(A)	Emission spectrum	63Hz dB	125Hz dB	250Hz dB	500Hz dB	1kHz dB	2kHz dB	4kHz dB	8kHz dB	
Motor C1-13	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-14	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-15	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-16	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-1	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-2	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-3	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-4	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-5	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-6	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-18	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-17	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Stacker C2-17	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C2-16	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C2-14	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C2-13	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C2-12	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C2-11	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C2-10	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C2-9	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C2-1	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C2-2	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C2-3	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C2-4	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C2-8	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C2-7	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C2-6	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C2-5	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C2-18	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Stacker C2-15	Area	68.4	Stacker Plate (1-Hr Leq)	65.0	66.0	67.0	66.0	63.0	61.0	56.0	47.0	
Motor C1-7	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-8	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-9	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-10	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-11	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-12	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-13	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-14	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-15	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-16	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-1	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-2	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	

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10950 Washington (NFL Networks Parking)
Octave spectra of the sources in dB(A) - Stacker - Leq (1-Hr) 111218

3

Name	Source type	Lw dB(A)	Emission spectrum	63Hz dB	125Hz dB	250Hz dB	500Hz dB	1kHz dB	2kHz dB	4kHz dB	8kHz dB	
Motor C1-3	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-4	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-5	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-6	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-18	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	
Motor C1-17	Point	69.2	Stacker Motor (1-Hr Leq)	63.0	62.0	63.0	67.0	66.0	60.0	54.0	46.0	

**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

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Source	Ld dB(A)	
Receiver R1 Ld 44.1 dB(A)		
Stacker A1-1	12.7	
Stacker A1-2	12.5	
Stacker A1-3	13.0	
Stacker A1-4	13.0	
Stacker A1-5	14.8	
Stacker A1-6	14.0	
Stacker A1-7	13.2	
Stacker A1-8	12.4	
Stacker A1-9	13.1	
Stacker A1-10	13.1	
Stacker A1-11	13.2	
Stacker A1-12	12.9	
Stacker A1-13	12.6	
Stacker A1-14	12.6	
Motor A1-14	16.7	
Motor A1-13	16.5	
Motor A1-12	15.2	
Motor A1-11	15.6	
Motor A1-10	17.3	
Motor A1-9	16.9	
Motor A1-8	16.3	
Motor A1-7	16.3	
Motor A1-6	14.9	
Motor A1-5	15.2	
Motor A1-4	15.3	
Motor A1-3	15.3	
Motor A1-2	16.0	
Motor A1-1	15.4	
Stacker B1-1	11.5	
Stacker B1-2	11.7	
Stacker B1-3	11.2	
Stacker B1-4	12.3	
Stacker B1-5	14.5	
Stacker B1-6	14.2	
Stacker B1-7	12.9	
Stacker B1-8	11.0	
Stacker B1-9	10.9	
Stacker B1-10	11.2	
Stacker B1-11	11.3	
Stacker B1-12	11.4	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker B1-13	11.2	
Stacker B1-14	11.6	
Motor B1-1	13.1	
Motor B1-2	12.9	
Motor B1-3	17.4	
Motor B1-4	13.3	
Motor B1-5	13.1	
Motor B1-6	13.0	
Motor B1-7	13.2	
Motor B1-8	13.4	
Motor B1-9	13.6	
Motor B1-10	13.7	
Motor B1-11	13.5	
Motor B1-12	13.3	
Motor B113	13.4	
Motor B1-14	13.8	
Stacker A2-14	15.3	
Stacker A2-13	15.1	
Stacker A2-12	15.9	
Stacker A2-11	15.7	
Stacker A2-10	17.0	
Stacker A2-9	16.3	
Stacker A2-8	15.7	
Stacker A2-7	15.0	
Stacker A2-6	15.3	
Stacker A2-5	15.4	
Stacker A2-4	15.4	
Stacker A2-3	15.3	
Stacker A2-2	15.4	
Stacker A2-1	15.1	
Motor A2-14	24.2	
Motor A2-13	24.8	
Motor A2-12	23.2	
Motor A2-11	23.1	
Motor A2-10	23.5	
Motor A2-9	23.0	
Motor A2-8	22.7	
Motor A2-7	22.8	
Motor A2-6	22.8	
Motor A2-5	23.1	
Motor A2-4	23.1	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor A2-3	23.1	
Motor A2-2	23.3	
Motor A2-1	23.2	
Stacker B2-1	14.2	
Stacker B2-2	14.4	
Stacker B2-3	13.9	
Stacker B2-4	14.9	
Stacker B2-5	16.6	
Stacker B2-6	16.3	
Stacker B2-7	14.9	
Stacker B2-8	13.6	
Stacker B2-9	13.6	
Stacker B2-10	14.0	
Stacker B2-11	14.1	
Stacker B2-12	14.1	
Stacker B2-13	14.0	
Stacker B2-14	14.3	
Motor B2-1	27.4	
Motor B2-2	27.2	
Motor B2-3	27.2	
Motor B2-4	25.5	
Motor B2-5	25.8	
Motor B2-6	27.2	
Motor B2-7	27.6	
Motor B2-8	27.9	
Motor B2-9	28.2	
Motor B2-10	28.4	
Motor B2-11	28.1	
Motor B2-12	28.3	
Motor B2-13	27.8	
Motor B2-14	28.4	
Stacker A3-14	21.2	
Stacker A3-13	21.2	
Stacker A3-12	22.5	
Stacker A3-11	22.7	
Stacker A3-10	21.8	
Stacker A3-9	21.4	
Stacker A3-8	21.2	
Stacker A3-7	20.7	
Stacker A3-6	20.6	
Stacker A3-5	20.8	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker A3-4	20.9	
Stacker A3-3	21.1	
Stacker A3-2	21.5	
Stacker A3-1	21.1	
Motor A3-14	20.5	
Motor A3-13	20.5	
Motor A3-12	19.9	
Motor A3-11	19.4	
Motor A3-10	19.5	
Motor A3-9	19.3	
Motor A3-8	18.3	
Motor A3-7	18.4	
Motor A3-6	18.6	
Motor A3-5	19.0	
Motor A3-4	19.3	
Motor A3-3	19.1	
Motor A3-2	19.5	
Motor A3-1	19.2	
Stacker B3-1	24.8	
Stacker B3-2	25.0	
Stacker B3-3	24.3	
Stacker B3-4	25.4	
Stacker B3-5	24.3	
Stacker B3-6	23.4	
Stacker B3-7	23.0	
Stacker B3-8	23.9	
Stacker B3-9	24.3	
Stacker B3-10	24.6	
Stacker B3-11	24.8	
Stacker B3-12	24.9	
Stacker B3-13	24.5	
Stacker B3-14	25.0	
Motor B3-1	20.0	
Motor B3-2	20.1	
Motor B3-3	20.7	
Motor B3-4	19.3	
Motor B3-5	19.2	
Motor B3-6	19.5	
Motor B3-7	19.7	
Motor B3-8	19.9	
Motor B3-9	20.0	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor B3-10	20.2	
Motor B3-11	20.3	
Motor B3-12	20.3	
Motor B3-13	20.2	
Motor B3-14	20.3	
Stacker H1-23	1.6	
Stacker H1-22	1.6	
Stacker H1-21	1.4	
Stacker H1-20	1.0	
Stacker H1-19	0.8	
Stacker H1-18	0.9	
Stacker H1-17	0.9	
Stacker H1-16	0.8	
Stacker H1-15	0.8	
Stacker H1-14	0.7	
Stacker H1-13	0.6	
Stacker H1-12	0.3	
Stacker H1-11	0.2	
Stacker H1-10	0.1	
Stacker H1-9	0.0	
Stacker H1-8	-0.2	
Stacker H1-7	0.0	
Stacker H1-6	-0.6	
Stacker H1-5	-1.0	
Stacker H1-4	-0.8	
Stacker H1-3	-0.5	
Stacker H1-2	-0.7	
Stacker H1-1	-0.1	
Motor H1-1	4.8	
Motor H1-2	4.3	
Motor H1-3	3.8	
Motor H1-4	3.3	
Motor H1-5	3.1	
Motor H1-6	3.1	
Motor H1-7	3.1	
Motor H1-8	3.0	
Motor H1-9	3.0	
Motor H1-10	2.9	
Motor H1-11	2.9	
Motor H1-12	2.8	
Motor H1-13	2.8	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor H1-14	2.7	
Motor H1-15	2.7	
Motor H1-16	2.6	
Motor H1-17	2.6	
Motor H1-18	2.5	
Motor H1-19	2.2	
Motor H1-20	2.1	
Motor H1-21	2.6	
Motor H1-22	2.2	
Motor H1-23	1.6	
Stacker G1-1	0.7	
Stacker G1-2	0.6	
Stacker G1-3	0.5	
Stacker G1-4	0.5	
Stacker G1-5	0.4	
Stacker G1-6	0.1	
Stacker G1-7	-0.6	
Stacker G1-8	-0.8	
Stacker G1-9	-1.0	
Stacker G1-10	-1.2	
Stacker G1-11	-1.4	
Stacker G1-12	-1.7	
Stacker G1-13	-1.8	
Stacker G1-14	-2.1	
Stacker G1-15	-2.5	
Motor G1-1	2.3	
Motor G1-2	2.2	
Motor G1-3	2.1	
Motor G1-4	2.1	
Motor G1-5	2.0	
Motor G1-6	2.1	
Motor G1-7	1.8	
Motor G1-8	1.6	
Motor G1-9	1.3	
Motor G1-10	1.1	
Motor G1-11	0.7	
Motor G1-12	0.3	
Motor G1-13	0.1	
Motor G1-14	-0.5	
Motor G1-15	-0.4	
Stacker H2-23	3.8	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker H2-22	3.8	
Stacker H2-21	3.4	
Stacker H2-20	2.9	
Stacker H2-19	2.8	
Stacker H2-18	2.7	
Stacker H2-17	2.7	
Stacker H2-16	2.6	
Stacker H2-15	2.5	
Stacker H2-14	2.5	
Stacker H2-13	2.4	
Stacker H2-12	2.4	
Stacker H2-11	2.3	
Stacker H2-10	2.3	
Stacker H2-9	2.2	
Stacker H2-8	1.7	
Stacker H2-7	2.0	
Stacker H2-6	1.6	
Stacker H2-5	1.8	
Stacker H2-4	1.4	
Stacker H2-3	1.4	
Stacker H2-2	1.3	
Stacker H2-1	1.3	
Motor H2-1	4.8	
Motor H2-2	4.3	
Motor H2-3	3.8	
Motor H2-4	3.3	
Motor H2-5	3.1	
Motor H2-6	3.1	
Motor H2-7	3.1	
Motor H2-8	3.0	
Motor H2-9	3.0	
Motor H2-10	2.9	
Motor H2-11	2.9	
Motor H2-12	2.8	
Motor H2-13	2.8	
Motor H2-14	2.7	
Motor H2-15	2.7	
Motor H2-16	2.6	
Motor H2-17	2.6	
Motor H2-18	2.5	
Motor H2-19	2.2	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor H2-20	2.1	
Motor H2-21	2.6	
Motor H2-22	2.2	
Motor H2-23	1.6	
Stacker F1-1	2.6	
Stacker F1-2	2.5	
Stacker F1-3	2.3	
Stacker F1-4	2.1	
Motor F1-1	4.8	
Motor F1-2	4.5	
Motor F1-3	4.2	
Motor F1-4	3.9	
Stacker F2-1	4.4	
Stacker F2-2	4.1	
Stacker F2-3	3.8	
Stacker F2-4	3.5	
Motor F2-1	4.8	
Motor F2-2	4.5	
Motor F2-3	4.2	
Motor F2-4	3.9	
Stacker G2-1	2.1	
Stacker G2-2	2.0	
Stacker G2-3	1.9	
Stacker G2-4	1.9	
Stacker G2-5	1.8	
Stacker G2-6	1.8	
Stacker G2-7	1.4	
Stacker G2-8	1.1	
Stacker G2-9	0.8	
Stacker G2-10	0.6	
Stacker G2-11	0.4	
Stacker G2-12	0.0	
Stacker G2-13	-0.3	
Stacker G2-14	-0.5	
Stacker G2-15	-0.9	
Motor G2-1	2.3	
Motor G2-2	2.2	
Motor G2-3	2.1	
Motor G2-4	2.1	
Motor G2-5	2.0	
Motor G2-6	2.1	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor G2-7	1.8	
Motor G2-8	1.6	
Motor G2-9	1.3	
Motor G2-10	1.1	
Motor G2-11	0.7	
Motor G2-12	0.3	
Motor G2-13	0.1	
Motor G2-14	-0.5	
Motor G2-15	-0.4	
Stacker D1-1	1.7	
Stacker D1-2	1.8	
Stacker D1-3	1.7	
Stacker D1-4	1.9	
Stacker D1-5	2.1	
Stacker D1-6	2.3	
Stacker D1-7	2.6	
Stacker D1-8	2.8	
Stacker D1-9	3.0	
Stacker D1-10	3.2	
Motor D1-1	4.2	
Motor D1-2	4.3	
Motor D1-3	3.5	
Motor D1-4	3.6	
Motor D1-5	3.8	
Motor D1-6	4.1	
Motor D1-7	4.4	
Motor D1-8	4.8	
Motor D1-9	5.1	
Motor D1-10	5.5	
Stacker D2-1	2.8	
Stacker D2-2	3.0	
Stacker D2-3	2.9	
Stacker D2-4	3.1	
Stacker D2-5	3.4	
Stacker D2-6	3.8	
Stacker D2-7	4.1	
Stacker D2-8	4.4	
Stacker D2-9	4.8	
Stacker D2-10	5.1	
Motor D2-1	4.2	
Motor D2-2	4.3	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor D2-3	3.5	
Motor D2-4	3.6	
Motor D2-5	3.8	
Motor D2-6	4.1	
Motor D2-7	4.4	
Motor D2-8	4.8	
Motor D2-9	5.1	
Motor D2-10	5.5	
Stacker E1-5	3.2	
Stacker E1-4	3.0	
Stacker E1-3	3.9	
Stacker E1-2	4.7	
Stacker E1-1	4.3	
Motor E1-1	5.3	
Motor E1-2	5.2	
Motor E1-3	11.1	
Motor E1-4	10.0	
Motor E1-5	9.0	
Stacker E2-5	5.7	
Stacker E2-4	5.4	
Stacker E2-3	9.5	
Stacker E12-2	11.5	
Stacker E2-1	10.4	
Motor E2-1	5.3	
Motor E2-2	5.2	
Motor E2-3	11.1	
Motor E2-4	10.0	
Motor E2-5	9.0	
Stacker C1-17	15.9	
Stacker C1-16	15.9	
Stacker C1-14	16.0	
Stacker C1-13	16.1	
Stacker C1-12	15.9	
Stacker C1-11	15.8	
Stacker C1-10	15.6	
Stacker C1-9	15.5	
Stacker C1-1	9.8	
Stacker C1-2	10.7	
Stacker C1-3	11.9	
Stacker C1-4	14.3	
Stacker C1-8	15.5	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker C1-7	15.9	
Stacker C1-6	16.1	
Stacker C1-5	15.7	
Stacker C1-18	15.8	
Stacker C1-15	16.1	
Motor C1-7	18.6	
Motor C1-8	17.8	
Motor C1-9	18.0	
Motor C1-10	17.8	
Motor C1-11	17.9	
Motor C1-12	17.9	
Motor C1-13	16.0	
Motor C1-14	16.7	
Motor C1-15	16.6	
Motor C1-16	16.6	
Motor C1-1	14.8	
Motor C1-2	14.8	
Motor C1-3	19.3	
Motor C1-4	19.3	
Motor C1-5	16.4	
Motor C1-6	16.5	
Motor C1-18	18.6	
Motor C1-17	18.6	
Stacker C2-17	17.2	
Stacker C2-16	17.2	
Stacker C2-14	17.5	
Stacker C2-13	17.8	
Stacker C2-12	17.6	
Stacker C2-11	17.5	
Stacker C2-10	17.3	
Stacker C2-9	17.1	
Stacker C2-1	11.4	
Stacker C2-2	13.0	
Stacker C2-3	14.1	
Stacker C2-4	16.3	
Stacker C2-8	17.3	
Stacker C2-7	17.7	
Stacker C2-6	17.9	
Stacker C2-5	17.5	
Stacker C2-18	17.1	
Stacker C2-15	17.5	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor C1-7	18.6	
Motor C1-8	17.8	
Motor C1-9	18.0	
Motor C1-10	17.8	
Motor C1-11	17.9	
Motor C1-12	17.9	
Motor C1-13	16.0	
Motor C1-14	16.7	
Motor C1-15	16.6	
Motor C1-16	16.6	
Motor C1-1	14.8	
Motor C1-2	14.8	
Motor C1-3	19.3	
Motor C1-4	19.3	
Motor C1-5	16.4	
Motor C1-6	16.5	
Motor C1-18	18.6	
Motor C1-17	18.6	
Receiver R2 Ld 32.7 dB(A)		
Stacker A1-1	-2.5	
Stacker A1-2	-2.4	
Stacker A1-3	-1.0	
Stacker A1-4	-1.3	
Stacker A1-5	-2.1	
Stacker A1-6	-1.9	
Stacker A1-7	-2.0	
Stacker A1-8	-0.8	
Stacker A1-9	-0.6	
Stacker A1-10	0.0	
Stacker A1-11	-0.2	
Stacker A1-12	-0.8	
Stacker A1-13	-3.2	
Stacker A1-14	-2.5	
Motor A1-14	1.8	
Motor A1-13	1.1	
Motor A1-12	1.1	
Motor A1-11	1.3	
Motor A1-10	1.5	
Motor A1-9	3.1	
Motor A1-8	3.1	
Motor A1-7	3.5	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor A1-6	2.5	
Motor A1-5	2.7	
Motor A1-4	1.5	
Motor A1-3	1.3	
Motor A1-2	0.9	
Motor A1-1	1.7	
Stacker B1-1	-4.9	
Stacker B1-2	-3.2	
Stacker B1-3	-4.7	
Stacker B1-4	-1.8	
Stacker B1-5	-6.3	
Stacker B1-6	-4.4	
Stacker B1-7	-1.5	
Stacker B1-8	-0.8	
Stacker B1-9	-0.7	
Stacker B1-10	-0.6	
Stacker B1-11	-0.7	
Stacker B1-12	-0.9	
Stacker B1-13	-4.5	
Stacker B1-14	-1.5	
Motor B1-1	-2.6	
Motor B1-2	-1.3	
Motor B1-3	-5.0	
Motor B1-4	-3.9	
Motor B1-5	1.7	
Motor B1-6	1.5	
Motor B1-7	1.5	
Motor B1-8	1.6	
Motor B1-9	1.5	
Motor B1-10	-0.5	
Motor B1-11	-1.5	
Motor B1-12	-1.1	
Motor B113	-4.1	
Motor B1-14	-0.6	
Stacker A2-14	0.4	
Stacker A2-13	0.4	
Stacker A2-12	0.9	
Stacker A2-11	0.3	
Stacker A2-10	0.7	
Stacker A2-9	0.9	
Stacker A2-8	0.9	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker A2-7	2.0	
Stacker A2-6	2.1	
Stacker A2-5	2.7	
Stacker A2-4	1.9	
Stacker A2-3	1.4	
Stacker A2-2	0.1	
Stacker A2-1	0.6	
Motor A2-14	1.9	
Motor A2-13	3.4	
Motor A2-12	-0.2	
Motor A2-11	3.1	
Motor A2-10	2.9	
Motor A2-9	4.0	
Motor A2-8	3.2	
Motor A2-7	3.2	
Motor A2-6	2.7	
Motor A2-5	3.6	
Motor A2-4	2.6	
Motor A2-3	2.4	
Motor A2-2	1.0	
Motor A2-1	2.5	
Stacker B2-1	-2.4	
Stacker B2-2	-1.4	
Stacker B2-3	-2.6	
Stacker B2-4	-1.0	
Stacker B2-5	-3.4	
Stacker B2-6	-1.9	
Stacker B2-7	0.8	
Stacker B2-8	1.3	
Stacker B2-9	1.4	
Stacker B2-10	1.5	
Stacker B2-11	1.1	
Stacker B2-12	0.0	
Stacker B2-13	-1.9	
Stacker B2-14	-0.1	
Motor B2-1	1.6	
Motor B2-2	3.2	
Motor B2-3	0.0	
Motor B2-4	0.5	
Motor B2-5	3.0	
Motor B2-6	4.0	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor B2-7	4.0	
Motor B2-8	3.3	
Motor B2-9	2.6	
Motor B2-10	2.6	
Motor B2-11	-0.1	
Motor B2-12	1.4	
Motor B2-13	0.8	
Motor B2-14	2.6	
Stacker A3-14	1.3	
Stacker A3-13	1.2	
Stacker A3-12	1.4	
Stacker A3-11	2.1	
Stacker A3-10	0.2	
Stacker A3-9	2.5	
Stacker A3-8	2.4	
Stacker A3-7	2.4	
Stacker A3-6	1.9	
Stacker A3-5	2.6	
Stacker A3-4	2.6	
Stacker A3-3	2.2	
Stacker A3-2	0.6	
Stacker A3-1	1.2	
Motor A3-14	3.9	
Motor A3-13	6.4	
Motor A3-12	0.8	
Motor A3-11	6.4	
Motor A3-10	6.2	
Motor A3-9	7.7	
Motor A3-8	6.6	
Motor A3-7	6.5	
Motor A3-6	5.6	
Motor A3-5	6.1	
Motor A3-4	3.8	
Motor A3-3	3.4	
Motor A3-2	2.9	
Motor A3-1	3.9	
Stacker B3-1	0.0	
Stacker B3-2	1.3	
Stacker B3-3	1.0	
Stacker B3-4	2.4	
Stacker B3-5	-0.4	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker B3-6	1.2	
Stacker B3-7	2.6	
Stacker B3-8	3.3	
Stacker B3-9	2.5	
Stacker B3-10	2.3	
Stacker B3-11	2.0	
Stacker B3-12	2.2	
Stacker B3-13	0.2	
Stacker B3-14	2.2	
Motor B3-1	3.0	
Motor B3-2	4.8	
Motor B3-3	0.6	
Motor B3-4	0.5	
Motor B3-5	5.7	
Motor B3-6	7.4	
Motor B3-7	7.4	
Motor B3-8	6.4	
Motor B3-9	5.0	
Motor B3-10	4.7	
Motor B3-11	0.1	
Motor B3-12	2.9	
Motor B3-13	1.7	
Motor B3-14	4.6	
Stacker H1-23	-3.7	
Stacker H1-22	-3.0	
Stacker H1-21	-2.6	
Stacker H1-20	-2.2	
Stacker H1-19	-1.9	
Stacker H1-18	-1.6	
Stacker H1-17	-1.4	
Stacker H1-16	-1.3	
Stacker H1-15	-1.3	
Stacker H1-14	-1.2	
Stacker H1-13	-1.2	
Stacker H1-12	-0.9	
Stacker H1-11	-0.9	
Stacker H1-10	-0.9	
Stacker H1-9	-0.9	
Stacker H1-8	-1.1	
Stacker H1-7	-1.1	
Stacker H1-6	-1.3	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker H1-5	-1.1	
Stacker H1-4	-1.1	
Stacker H1-3	-1.2	
Stacker H1-2	-1.2	
Stacker H1-1	-0.7	
Motor H1-1	-1.9	
Motor H1-2	-0.2	
Motor H1-3	0.8	
Motor H1-4	1.3	
Motor H1-5	1.6	
Motor H1-6	-1.3	
Motor H1-7	-1.2	
Motor H1-8	-0.6	
Motor H1-9	2.3	
Motor H1-10	2.3	
Motor H1-11	2.2	
Motor H1-12	2.1	
Motor H1-13	2.0	
Motor H1-14	2.0	
Motor H1-15	1.9	
Motor H1-16	2.0	
Motor H1-17	1.9	
Motor H1-18	1.8	
Motor H1-19	1.8	
Motor H1-20	2.7	
Motor H1-21	2.7	
Motor H1-22	3.5	
Motor H1-23	3.6	
Stacker G1-1	-1.2	
Stacker G1-2	-1.2	
Stacker G1-3	-1.2	
Stacker G1-4	-1.0	
Stacker G1-5	-1.0	
Stacker G1-6	-1.0	
Stacker G1-7	-1.2	
Stacker G1-8	-1.2	
Stacker G1-9	-1.3	
Stacker G1-10	-1.3	
Stacker G1-11	-1.2	
Stacker G1-12	-1.3	
Stacker G1-13	-1.4	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker G1-14	-1.3	
Stacker G1-15	-1.3	
Motor G1-1	2.0	
Motor G1-2	2.0	
Motor G1-3	1.9	
Motor G1-4	1.8	
Motor G1-5	1.7	
Motor G1-6	1.6	
Motor G1-7	1.5	
Motor G1-8	1.4	
Motor G1-9	1.3	
Motor G1-10	1.4	
Motor G1-11	1.3	
Motor G1-12	1.2	
Motor G1-13	1.2	
Motor G1-14	1.1	
Motor G1-15	2.1	
Stacker H2-23	0.0	
Stacker H2-22	0.7	
Stacker H2-21	1.0	
Stacker H2-20	1.2	
Stacker H2-19	1.3	
Stacker H2-18	1.4	
Stacker H2-17	1.5	
Stacker H2-16	1.5	
Stacker H2-15	1.4	
Stacker H2-14	1.4	
Stacker H2-13	1.3	
Stacker H2-12	1.4	
Stacker H2-11	1.4	
Stacker H2-10	1.3	
Stacker H2-9	1.2	
Stacker H2-8	1.2	
Stacker H2-7	1.1	
Stacker H2-6	0.9	
Stacker H2-5	1.3	
Stacker H2-4	1.4	
Stacker H2-3	1.4	
Stacker H2-2	1.6	
Stacker H2-1	2.2	
Motor H2-1	-1.9	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor H2-2	-0.2	
Motor H2-3	0.8	
Motor H2-4	1.3	
Motor H2-5	1.6	
Motor H2-6	-1.3	
Motor H2-7	-1.2	
Motor H2-8	-0.6	
Motor H2-9	2.3	
Motor H2-10	2.3	
Motor H2-11	2.2	
Motor H2-12	2.1	
Motor H2-13	2.0	
Motor H2-14	2.0	
Motor H2-15	1.9	
Motor H2-16	2.0	
Motor H2-17	1.9	
Motor H2-18	1.8	
Motor H2-19	1.8	
Motor H2-20	2.7	
Motor H2-21	2.7	
Motor H2-22	3.5	
Motor H2-23	3.6	
Stacker F1-1	-1.4	
Stacker F1-2	-1.4	
Stacker F1-3	-1.4	
Stacker F1-4	-1.4	
Motor F1-1	2.1	
Motor F1-2	2.1	
Motor F1-3	2.1	
Motor F1-4	2.1	
Stacker F2-1	1.5	
Stacker F2-2	1.5	
Stacker F2-3	1.5	
Stacker F2-4	1.5	
Motor F2-1	2.1	
Motor F2-2	2.1	
Motor F2-3	2.1	
Motor F2-4	2.1	
Stacker G2-1	1.4	
Stacker G2-2	1.3	
Stacker G2-3	1.2	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker G2-4	1.3	
Stacker G2-5	1.2	
Stacker G2-6	1.1	
Stacker G2-7	1.0	
Stacker G2-8	0.9	
Stacker G2-9	0.8	
Stacker G2-10	0.8	
Stacker G2-11	1.1	
Stacker G2-12	1.0	
Stacker G2-13	0.9	
Stacker G2-14	1.3	
Stacker G2-15	1.5	
Motor G2-1	2.0	
Motor G2-2	2.0	
Motor G2-3	1.9	
Motor G2-4	1.8	
Motor G2-5	1.7	
Motor G2-6	1.6	
Motor G2-7	1.5	
Motor G2-8	1.4	
Motor G2-9	1.3	
Motor G2-10	1.4	
Motor G2-11	1.3	
Motor G2-12	1.2	
Motor G2-13	1.2	
Motor G2-14	1.1	
Motor G2-15	2.1	
Stacker D1-1	-2.3	
Stacker D1-2	-2.3	
Stacker D1-3	-2.3	
Stacker D1-4	-2.3	
Stacker D1-5	-2.3	
Stacker D1-6	-2.3	
Stacker D1-7	-2.3	
Stacker D1-8	-2.3	
Stacker D1-9	-2.3	
Stacker D1-10	-2.3	
Motor D1-1	1.7	
Motor D1-2	1.7	
Motor D1-3	1.7	
Motor D1-4	1.7	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor D1-5	1.7	
Motor D1-6	1.7	
Motor D1-7	1.7	
Motor D1-8	1.7	
Motor D1-9	1.6	
Motor D1-10	1.6	
Stacker D2-1	1.3	
Stacker D2-2	1.3	
Stacker D2-3	1.3	
Stacker D2-4	1.3	
Stacker D2-5	1.3	
Stacker D2-6	1.3	
Stacker D2-7	1.3	
Stacker D2-8	1.3	
Stacker D2-9	1.3	
Stacker D2-10	1.2	
Motor D2-1	1.7	
Motor D2-2	1.7	
Motor D2-3	1.7	
Motor D2-4	1.7	
Motor D2-5	1.7	
Motor D2-6	1.7	
Motor D2-7	1.7	
Motor D2-8	1.7	
Motor D2-9	1.6	
Motor D2-10	1.6	
Stacker E1-5	-1.4	
Stacker E1-4	-1.0	
Stacker E1-3	-0.8	
Stacker E1-2	-0.6	
Stacker E1-1	-0.4	
Motor E1-1	4.2	
Motor E1-2	4.4	
Motor E1-3	4.4	
Motor E1-4	4.4	
Motor E1-5	4.4	
Stacker E2-5	2.1	
Stacker E2-4	2.3	
Stacker E2-3	2.4	
Stacker E12-2	2.5	
Stacker E2-1	2.5	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor E2-1	4.2	
Motor E2-2	4.4	
Motor E2-3	4.4	
Motor E2-4	4.4	
Motor E2-5	4.4	
Stacker C1-17	12.1	
Stacker C1-16	12.2	
Stacker C1-14	12.0	
Stacker C1-13	12.0	
Stacker C1-12	11.9	
Stacker C1-11	11.9	
Stacker C1-10	11.8	
Stacker C1-9	11.6	
Stacker C1-1	1.8	
Stacker C1-2	0.4	
Stacker C1-3	1.3	
Stacker C1-4	1.5	
Stacker C1-8	10.0	
Stacker C1-7	7.6	
Stacker C1-6	4.9	
Stacker C1-5	3.8	
Stacker C1-18	12.2	
Stacker C1-15	12.1	
Motor C1-7	15.0	
Motor C1-8	15.1	
Motor C1-9	15.0	
Motor C1-10	15.0	
Motor C1-11	15.0	
Motor C1-12	15.0	
Motor C1-13	15.0	
Motor C1-14	15.0	
Motor C1-15	15.2	
Motor C1-16	13.9	
Motor C1-1	5.0	
Motor C1-2	3.1	
Motor C1-3	4.4	
Motor C1-4	4.6	
Motor C1-5	8.1	
Motor C1-6	10.7	
Motor C1-18	15.0	
Motor C1-17	15.0	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker C2-17	13.7	
Stacker C2-16	13.7	
Stacker C2-14	13.7	
Stacker C2-13	13.7	
Stacker C2-12	13.6	
Stacker C2-11	13.6	
Stacker C2-10	13.6	
Stacker C2-9	13.6	
Stacker C2-1	3.1	
Stacker C2-2	2.3	
Stacker C2-3	3.0	
Stacker C2-4	3.3	
Stacker C2-8	14.0	
Stacker C2-7	13.2	
Stacker C2-6	9.7	
Stacker C2-5	7.7	
Stacker C2-18	13.7	
Stacker C2-15	13.7	
Motor C1-7	15.0	
Motor C1-8	15.1	
Motor C1-9	15.0	
Motor C1-10	15.0	
Motor C1-11	15.0	
Motor C1-12	15.0	
Motor C1-13	15.0	
Motor C1-14	15.0	
Motor C1-15	15.2	
Motor C1-16	13.9	
Motor C1-1	5.0	
Motor C1-2	3.1	
Motor C1-3	4.4	
Motor C1-4	4.6	
Motor C1-5	8.1	
Motor C1-6	10.7	
Motor C1-18	15.0	
Motor C1-17	15.0	
Receiver R3 Ld 43.7 dB(A)		
Stacker A1-1	2.3	
Stacker A1-2	2.5	
Stacker A1-3	2.2	
Stacker A1-4	1.7	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker A1-5	6.4	
Stacker A1-6	9.0	
Stacker A1-7	10.1	
Stacker A1-8	11.2	
Stacker A1-9	11.5	
Stacker A1-10	10.5	
Stacker A1-11	8.1	
Stacker A1-12	3.3	
Stacker A1-13	2.3	
Stacker A1-14	2.5	
Motor A1-14	7.6	
Motor A1-13	7.3	
Motor A1-12	14.5	
Motor A1-11	15.2	
Motor A1-10	15.6	
Motor A1-9	14.5	
Motor A1-8	12.6	
Motor A1-7	11.7	
Motor A1-6	11.0	
Motor A1-5	10.5	
Motor A1-4	8.4	
Motor A1-3	8.9	
Motor A1-2	8.2	
Motor A1-1	9.4	
Stacker B1-1	1.0	
Stacker B1-2	1.8	
Stacker B1-3	1.0	
Stacker B1-4	1.0	
Stacker B1-5	13.9	
Stacker B1-6	12.0	
Stacker B1-7	9.6	
Stacker B1-8	0.7	
Stacker B1-9	0.4	
Stacker B1-10	0.2	
Stacker B1-11	0.2	
Stacker B1-12	0.4	
Stacker B1-13	1.1	
Stacker B1-14	2.1	
Motor B1-1	4.1	
Motor B1-2	2.7	
Motor B1-3	12.0	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor B1-4	10.3	
Motor B1-5	8.7	
Motor B1-6	4.3	
Motor B1-7	3.9	
Motor B1-8	3.7	
Motor B1-9	3.4	
Motor B1-10	2.9	
Motor B1-11	2.1	
Motor B1-12	2.4	
Motor B113	1.9	
Motor B1-14	3.0	
Stacker A2-14	9.0	
Stacker A2-13	9.6	
Stacker A2-12	8.1	
Stacker A2-11	7.3	
Stacker A2-10	8.1	
Stacker A2-9	10.9	
Stacker A2-8	11.8	
Stacker A2-7	12.2	
Stacker A2-6	12.5	
Stacker A2-5	12.1	
Stacker A2-4	11.5	
Stacker A2-3	10.8	
Stacker A2-2	8.5	
Stacker A2-1	10.2	
Motor A2-14	8.4	
Motor A2-13	8.6	
Motor A2-12	11.2	
Motor A2-11	11.4	
Motor A2-10	11.2	
Motor A2-9	14.3	
Motor A2-8	8.6	
Motor A2-7	8.6	
Motor A2-6	9.4	
Motor A2-5	9.8	
Motor A2-4	9.0	
Motor A2-3	9.6	
Motor A2-2	9.4	
Motor A2-1	9.6	
Stacker B2-1	4.6	
Stacker B2-2	4.8	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker B2-3	3.6	
Stacker B2-4	3.6	
Stacker B2-5	14.7	
Stacker B2-6	13.1	
Stacker B2-7	11.4	
Stacker B2-8	8.3	
Stacker B2-9	7.4	
Stacker B2-10	6.6	
Stacker B2-11	6.0	
Stacker B2-12	5.8	
Stacker B2-13	4.1	
Stacker B2-14	5.2	
Motor B2-1	13.0	
Motor B2-2	13.1	
Motor B2-3	9.9	
Motor B2-4	10.1	
Motor B2-5	10.0	
Motor B2-6	9.7	
Motor B2-7	9.5	
Motor B2-8	9.4	
Motor B2-9	9.3	
Motor B2-10	7.9	
Motor B2-11	7.6	
Motor B2-12	7.7	
Motor B2-13	7.4	
Motor B2-14	8.0	
Stacker A3-14	8.3	
Stacker A3-13	8.3	
Stacker A3-12	8.9	
Stacker A3-11	8.0	
Stacker A3-10	3.3	
Stacker A3-9	7.9	
Stacker A3-8	8.2	
Stacker A3-7	8.5	
Stacker A3-6	10.6	
Stacker A3-5	10.7	
Stacker A3-4	9.7	
Stacker A3-3	8.6	
Stacker A3-2	9.0	
Stacker A3-1	8.3	
Motor A3-14	9.9	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor A3-13	10.3	
Motor A3-12	-2.7	
Motor A3-11	2.8	
Motor A3-10	3.8	
Motor A3-9	9.5	
Motor A3-8	9.4	
Motor A3-7	9.2	
Motor A3-6	9.0	
Motor A3-5	9.9	
Motor A3-4	11.0	
Motor A3-3	11.1	
Motor A3-2	9.9	
Motor A3-1	9.3	
Stacker B3-1	8.4	
Stacker B3-2	8.8	
Stacker B3-3	8.7	
Stacker B3-4	9.3	
Stacker B3-5	12.9	
Stacker B3-6	10.9	
Stacker B3-7	9.4	
Stacker B3-8	9.6	
Stacker B3-9	9.5	
Stacker B3-10	9.4	
Stacker B3-11	9.3	
Stacker B3-12	9.7	
Stacker B3-13	8.8	
Stacker B3-14	9.2	
Motor B3-1	11.9	
Motor B3-2	12.0	
Motor B3-3	5.9	
Motor B3-4	8.2	
Motor B3-5	11.7	
Motor B3-6	11.5	
Motor B3-7	11.2	
Motor B3-8	11.1	
Motor B3-9	10.9	
Motor B3-10	10.5	
Motor B3-11	10.0	
Motor B3-12	10.1	
Motor B3-13	9.8	
Motor B3-14	10.4	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker H1-23	8.8	
Stacker H1-22	8.4	
Stacker H1-21	8.4	
Stacker H1-20	7.7	
Stacker H1-19	7.1	
Stacker H1-18	6.5	
Stacker H1-17	6.0	
Stacker H1-16	5.6	
Stacker H1-15	5.2	
Stacker H1-14	4.8	
Stacker H1-13	4.5	
Stacker H1-12	4.2	
Stacker H1-11	3.9	
Stacker H1-10	3.6	
Stacker H1-9	3.5	
Stacker H1-8	3.3	
Stacker H1-7	3.1	
Stacker H1-6	2.9	
Stacker H1-5	2.8	
Stacker H1-4	3.0	
Stacker H1-3	2.9	
Stacker H1-2	2.5	
Stacker H1-1	2.8	
Motor H1-1	12.3	
Motor H1-2	10.9	
Motor H1-3	10.4	
Motor H1-4	9.0	
Motor H1-5	8.6	
Motor H1-6	8.3	
Motor H1-7	7.9	
Motor H1-8	7.7	
Motor H1-9	7.4	
Motor H1-10	7.1	
Motor H1-11	6.9	
Motor H1-12	6.6	
Motor H1-13	6.4	
Motor H1-14	6.2	
Motor H1-15	6.0	
Motor H1-16	5.8	
Motor H1-17	5.6	
Motor H1-18	5.4	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor H1-19	5.4	
Motor H1-20	6.2	
Motor H1-21	6.2	
Motor H1-22	6.9	
Motor H1-23	7.1	
Stacker G1-1	4.1	
Stacker G1-2	3.8	
Stacker G1-3	3.7	
Stacker G1-4	3.6	
Stacker G1-5	3.4	
Stacker G1-6	3.1	
Stacker G1-7	2.3	
Stacker G1-8	2.0	
Stacker G1-9	1.8	
Stacker G1-10	1.4	
Stacker G1-11	1.0	
Stacker G1-12	0.7	
Stacker G1-13	0.6	
Stacker G1-14	0.7	
Stacker G1-15	0.7	
Motor G1-1	4.6	
Motor G1-2	4.3	
Motor G1-3	4.0	
Motor G1-4	3.8	
Motor G1-5	3.5	
Motor G1-6	3.6	
Motor G1-7	3.3	
Motor G1-8	2.9	
Motor G1-9	2.3	
Motor G1-10	2.0	
Motor G1-11	2.2	
Motor G1-12	2.0	
Motor G1-13	1.8	
Motor G1-14	0.5	
Motor G1-15	0.6	
Stacker H2-23	10.0	
Stacker H2-22	9.6	
Stacker H2-21	9.5	
Stacker H2-20	8.8	
Stacker H2-19	8.2	
Stacker H2-18	7.7	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker H2-17	7.3	
Stacker H2-16	6.9	
Stacker H2-15	6.6	
Stacker H2-14	6.3	
Stacker H2-13	6.0	
Stacker H2-12	5.7	
Stacker H2-11	5.5	
Stacker H2-10	5.3	
Stacker H2-9	5.2	
Stacker H2-8	5.0	
Stacker H2-7	4.8	
Stacker H2-6	4.7	
Stacker H2-5	4.5	
Stacker H2-4	4.7	
Stacker H2-3	4.6	
Stacker H2-2	5.1	
Stacker H2-1	5.2	
Motor H2-1	12.3	
Motor H2-2	10.9	
Motor H2-3	10.4	
Motor H2-4	9.0	
Motor H2-5	8.6	
Motor H2-6	8.3	
Motor H2-7	7.9	
Motor H2-8	7.7	
Motor H2-9	7.4	
Motor H2-10	7.1	
Motor H2-11	6.9	
Motor H2-12	6.6	
Motor H2-13	6.4	
Motor H2-14	6.2	
Motor H2-15	6.0	
Motor H2-16	5.8	
Motor H2-17	5.6	
Motor H2-18	5.4	
Motor H2-19	5.4	
Motor H2-20	6.2	
Motor H2-21	6.2	
Motor H2-22	6.9	
Motor H2-23	7.1	
Stacker F1-1	3.4	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker F1-2	3.2	
Stacker F1-3	3.4	
Stacker F1-4	3.6	
Motor F1-1	4.0	
Motor F1-2	3.6	
Motor F1-3	3.8	
Motor F1-4	4.0	
Stacker F2-1	3.7	
Stacker F2-2	3.6	
Stacker F2-3	3.8	
Stacker F2-4	4.0	
Motor F2-1	4.0	
Motor F2-2	3.6	
Motor F2-3	3.8	
Motor F2-4	4.0	
Stacker G2-1	4.5	
Stacker G2-2	4.3	
Stacker G2-3	4.1	
Stacker G2-4	4.0	
Stacker G2-5	3.8	
Stacker G2-6	3.5	
Stacker G2-7	2.8	
Stacker G2-8	2.4	
Stacker G2-9	2.1	
Stacker G2-10	2.2	
Stacker G2-11	1.8	
Stacker G2-12	1.6	
Stacker G2-13	1.5	
Stacker G2-14	2.0	
Stacker G2-15	1.9	
Motor G2-1	4.6	
Motor G2-2	4.3	
Motor G2-3	4.0	
Motor G2-4	3.8	
Motor G2-5	3.5	
Motor G2-6	3.6	
Motor G2-7	3.3	
Motor G2-8	2.9	
Motor G2-9	2.3	
Motor G2-10	2.0	
Motor G2-11	2.2	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor G2-12	2.0	
Motor G2-13	1.8	
Motor G2-14	0.5	
Motor G2-15	0.6	
Stacker D1-1	7.2	
Stacker D1-2	6.6	
Stacker D1-3	6.3	
Stacker D1-4	6.0	
Stacker D1-5	5.7	
Stacker D1-6	5.4	
Stacker D1-7	5.1	
Stacker D1-8	4.9	
Stacker D1-9	4.9	
Stacker D1-10	4.7	
Motor D1-1	8.2	
Motor D1-2	7.9	
Motor D1-3	7.6	
Motor D1-4	7.3	
Motor D1-5	6.9	
Motor D1-6	6.6	
Motor D1-7	6.3	
Motor D1-8	6.0	
Motor D1-9	6.5	
Motor D1-10	6.4	
Stacker D2-1	7.7	
Stacker D2-2	7.2	
Stacker D2-3	6.9	
Stacker D2-4	6.6	
Stacker D2-5	6.3	
Stacker D2-6	6.0	
Stacker D2-7	5.8	
Stacker D2-8	5.5	
Stacker D2-9	5.6	
Stacker D2-10	5.5	
Motor D2-1	8.2	
Motor D2-2	7.9	
Motor D2-3	7.6	
Motor D2-4	7.3	
Motor D2-5	6.9	
Motor D2-6	6.6	
Motor D2-7	6.3	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor D2-8	6.0	
Motor D2-9	6.5	
Motor D2-10	6.4	
Stacker E1-5	3.5	
Stacker E1-4	3.2	
Stacker E1-3	3.0	
Stacker E1-2	2.6	
Stacker E1-1	2.3	
Motor E1-1	6.0	
Motor E1-2	5.5	
Motor E1-3	5.1	
Motor E1-4	4.8	
Motor E1-5	4.5	
Stacker E2-5	5.2	
Stacker E2-4	4.7	
Stacker E2-3	4.6	
Stacker E12-2	4.0	
Stacker E2-1	3.7	
Motor E2-1	6.0	
Motor E2-2	5.5	
Motor E2-3	5.1	
Motor E2-4	4.8	
Motor E2-5	4.5	
Stacker C1-17	26.1	
Stacker C1-16	26.3	
Stacker C1-14	25.4	
Stacker C1-13	25.0	
Stacker C1-12	25.6	
Stacker C1-11	25.7	
Stacker C1-10	25.3	
Stacker C1-9	24.9	
Stacker C1-1	23.8	
Stacker C1-2	23.9	
Stacker C1-3	23.8	
Stacker C1-4	23.8	
Stacker C1-8	24.5	
Stacker C1-7	24.1	
Stacker C1-6	23.8	
Stacker C1-5	23.7	
Stacker C1-18	21.1	
Stacker C1-15	25.9	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor C1-7	19.4	
Motor C1-8	20.2	
Motor C1-9	25.5	
Motor C1-10	27.2	
Motor C1-11	26.5	
Motor C1-12	26.0	
Motor C1-13	25.6	
Motor C1-14	25.2	
Motor C1-15	24.8	
Motor C1-16	25.0	
Motor C1-1	24.1	
Motor C1-2	24.2	
Motor C1-3	23.7	
Motor C1-4	24.0	
Motor C1-5	24.1	
Motor C1-6	24.7	
Motor C1-18	17.7	
Motor C1-17	26.3	
Stacker C2-17	26.3	
Stacker C2-16	26.1	
Stacker C2-14	25.1	
Stacker C2-13	24.6	
Stacker C2-12	25.0	
Stacker C2-11	25.1	
Stacker C2-10	24.6	
Stacker C2-9	24.4	
Stacker C2-1	23.2	
Stacker C2-2	23.3	
Stacker C2-3	23.4	
Stacker C2-4	23.3	
Stacker C2-8	24.3	
Stacker C2-7	24.0	
Stacker C2-6	23.4	
Stacker C2-5	23.3	
Stacker C2-18	20.2	
Stacker C2-15	26.2	
Motor C1-7	19.4	
Motor C1-8	20.2	
Motor C1-9	25.5	
Motor C1-10	27.2	
Motor C1-11	26.5	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor C1-12	26.0	
Motor C1-13	25.6	
Motor C1-14	25.2	
Motor C1-15	24.8	
Motor C1-16	25.0	
Motor C1-1	24.1	
Motor C1-2	24.2	
Motor C1-3	23.7	
Motor C1-4	24.0	
Motor C1-5	24.1	
Motor C1-6	24.7	
Motor C1-18	17.7	
Motor C1-17	26.3	
Receiver R4 Ld 35.5 dB(A)		
Stacker A1-1	-6.0	
Stacker A1-2	-5.9	
Stacker A1-3	-5.9	
Stacker A1-4	-5.8	
Stacker A1-5	-6.0	
Stacker A1-6	-6.3	
Stacker A1-7	-6.6	
Stacker A1-8	-6.8	
Stacker A1-9	-6.7	
Stacker A1-10	-6.4	
Stacker A1-11	-6.4	
Stacker A1-12	-6.1	
Stacker A1-13	-5.9	
Stacker A1-14	-5.9	
Motor A1-14	-4.7	
Motor A1-13	-5.7	
Motor A1-12	-4.9	
Motor A1-11	-5.2	
Motor A1-10	-5.3	
Motor A1-9	-5.5	
Motor A1-8	-6.3	
Motor A1-7	-6.5	
Motor A1-6	-4.9	
Motor A1-5	-4.5	
Motor A1-4	-5.0	
Motor A1-3	-5.4	
Motor A1-2	-4.5	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor A1-1	-4.4	
Stacker B1-1	-4.6	
Stacker B1-2	-4.5	
Stacker B1-3	-4.5	
Stacker B1-4	-4.4	
Stacker B1-5	-5.6	
Stacker B1-6	-5.6	
Stacker B1-7	-4.8	
Stacker B1-8	-3.6	
Stacker B1-9	-3.8	
Stacker B1-10	-4.1	
Stacker B1-11	-4.3	
Stacker B1-12	-4.1	
Stacker B1-13	-4.4	
Stacker B1-14	-4.3	
Motor B1-1	-2.6	
Motor B1-2	-2.7	
Motor B1-3	-4.6	
Motor B1-4	-3.0	
Motor B1-5	-3.3	
Motor B1-6	-2.3	
Motor B1-7	-2.5	
Motor B1-8	-2.7	
Motor B1-9	-2.9	
Motor B1-10	-2.2	
Motor B1-11	-2.9	
Motor B1-12	-2.4	
Motor B113	-2.6	
Motor B1-14	-2.3	
Stacker A2-14	-6.4	
Stacker A2-13	-6.4	
Stacker A2-12	-6.1	
Stacker A2-11	-5.5	
Stacker A2-10	-5.8	
Stacker A2-9	-6.1	
Stacker A2-8	-6.4	
Stacker A2-7	-6.6	
Stacker A2-6	-7.0	
Stacker A2-5	-7.0	
Stacker A2-4	-7.1	
Stacker A2-3	-6.8	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker A2-2	-6.2	
Stacker A2-1	-6.7	
Motor A2-14	-6.0	
Motor A2-13	-6.0	
Motor A2-12	-5.1	
Motor A2-11	-5.1	
Motor A2-10	-5.4	
Motor A2-9	-5.6	
Motor A2-8	-6.1	
Motor A2-7	-6.3	
Motor A2-6	-6.3	
Motor A2-5	-5.7	
Motor A2-4	-6.3	
Motor A2-3	-6.2	
Motor A2-2	-5.9	
Motor A2-1	-5.9	
Stacker B2-1	-5.6	
Stacker B2-2	-5.6	
Stacker B2-3	-5.3	
Stacker B2-4	-5.0	
Stacker B2-5	-5.5	
Stacker B2-6	-5.7	
Stacker B2-7	-5.3	
Stacker B2-8	-4.9	
Stacker B2-9	-5.3	
Stacker B2-10	-5.5	
Stacker B2-11	-5.8	
Stacker B2-12	-5.5	
Stacker B2-13	-5.3	
Stacker B2-14	-5.5	
Motor B2-1	-4.5	
Motor B2-2	-3.7	
Motor B2-3	-5.0	
Motor B2-4	-5.3	
Motor B2-5	-3.3	
Motor B2-6	-3.8	
Motor B2-7	-4.0	
Motor B2-8	-4.1	
Motor B2-9	-4.3	
Motor B2-10	-3.7	
Motor B2-11	-4.6	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor B2-12	-3.9	
Motor B2-13	-4.4	
Motor B2-14	-3.8	
Stacker A3-14	-7.3	
Stacker A3-13	-7.2	
Stacker A3-12	-7.0	
Stacker A3-11	-6.8	
Stacker A3-10	-6.1	
Stacker A3-9	-6.0	
Stacker A3-8	-6.3	
Stacker A3-7	-6.5	
Stacker A3-6	-7.0	
Stacker A3-5	-7.1	
Stacker A3-4	-7.3	
Stacker A3-3	-7.0	
Stacker A3-2	-6.9	
Stacker A3-1	-7.0	
Motor A3-14	-6.1	
Motor A3-13	-6.1	
Motor A3-12	-5.0	
Motor A3-11	-5.3	
Motor A3-10	-5.5	
Motor A3-9	-5.8	
Motor A3-8	-6.5	
Motor A3-7	-6.7	
Motor A3-6	-6.9	
Motor A3-5	-7.2	
Motor A3-4	-7.8	
Motor A3-3	-7.6	
Motor A3-2	-8.0	
Motor A3-1	-7.4	
Stacker B3-1	-5.8	
Stacker B3-2	-5.9	
Stacker B3-3	-5.4	
Stacker B3-4	-5.3	
Stacker B3-5	-5.8	
Stacker B3-6	-6.1	
Stacker B3-7	-6.0	
Stacker B3-8	-5.4	
Stacker B3-9	-5.4	
Stacker B3-10	-5.6	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker B3-11	-5.8	
Stacker B3-12	-5.6	
Stacker B3-13	-5.5	
Stacker B3-14	-5.8	
Motor B3-1	-6.2	
Motor B3-2	-6.2	
Motor B3-3	-5.2	
Motor B3-4	-5.5	
Motor B3-5	-5.7	
Motor B3-6	-6.4	
Motor B3-7	-6.6	
Motor B3-8	-6.8	
Motor B3-9	-7.1	
Motor B3-10	-7.3	
Motor B3-11	-7.9	
Motor B3-12	-7.7	
Motor B3-13	-8.1	
Motor B3-14	-7.5	
Stacker H1-23	10.2	
Stacker H1-22	10.8	
Stacker H1-21	11.5	
Stacker H1-20	11.9	
Stacker H1-19	12.6	
Stacker H1-18	13.4	
Stacker H1-17	14.4	
Stacker H1-16	15.1	
Stacker H1-15	15.3	
Stacker H1-14	15.3	
Stacker H1-13	15.3	
Stacker H1-12	15.3	
Stacker H1-11	15.5	
Stacker H1-10	14.4	
Stacker H1-9	13.5	
Stacker H1-8	12.7	
Stacker H1-7	11.9	
Stacker H1-6	11.2	
Stacker H1-5	10.4	
Stacker H1-4	10.1	
Stacker H1-3	9.5	
Stacker H1-2	9.3	
Stacker H1-1	8.8	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor H1-1	12.9	
Motor H1-2	12.0	
Motor H1-3	12.7	
Motor H1-4	13.5	
Motor H1-5	14.2	
Motor H1-6	15.0	
Motor H1-7	15.7	
Motor H1-8	16.3	
Motor H1-9	22.6	
Motor H1-10	16.4	
Motor H1-11	16.4	
Motor H1-12	16.5	
Motor H1-13	16.1	
Motor H1-14	15.5	
Motor H1-15	14.8	
Motor H1-16	14.0	
Motor H1-17	13.3	
Motor H1-18	12.5	
Motor H1-19	11.8	
Motor H1-20	11.2	
Motor H1-21	10.6	
Motor H1-22	11.6	
Motor H1-23	11.6	
Stacker G1-1	10.5	
Stacker G1-2	10.6	
Stacker G1-3	10.5	
Stacker G1-4	10.4	
Stacker G1-5	10.2	
Stacker G1-6	9.9	
Stacker G1-7	9.6	
Stacker G1-8	9.2	
Stacker G1-9	9.1	
Stacker G1-10	8.7	
Stacker G1-11	8.3	
Stacker G1-12	8.0	
Stacker G1-13	7.7	
Stacker G1-14	7.0	
Stacker G1-15	7.2	
Motor G1-1	10.4	
Motor G1-2	10.5	
Motor G1-3	10.5	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor G1-4	10.3	
Motor G1-5	10.2	
Motor G1-6	10.0	
Motor G1-7	9.7	
Motor G1-8	9.4	
Motor G1-9	9.4	
Motor G1-10	9.1	
Motor G1-11	8.8	
Motor G1-12	8.6	
Motor G1-13	8.3	
Motor G1-14	8.4	
Motor G1-15	8.5	
Stacker H2-23	10.9	
Stacker H2-22	11.4	
Stacker H2-21	12.0	
Stacker H2-20	12.4	
Stacker H2-19	12.9	
Stacker H2-18	13.6	
Stacker H2-17	14.1	
Stacker H2-16	14.6	
Stacker H2-15	16.0	
Stacker H2-14	14.9	
Stacker H2-13	17.7	
Stacker H2-12	15.6	
Stacker H2-11	14.7	
Stacker H2-10	14.2	
Stacker H2-9	13.6	
Stacker H2-8	13.0	
Stacker H2-7	12.3	
Stacker H2-6	11.7	
Stacker H2-5	11.1	
Stacker H2-4	10.8	
Stacker H2-3	10.4	
Stacker H2-2	10.2	
Stacker H2-1	9.7	
Motor H2-1	12.9	
Motor H2-2	12.0	
Motor H2-3	12.7	
Motor H2-4	13.5	
Motor H2-5	14.2	
Motor H2-6	15.0	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor H2-7	15.7	
Motor H2-8	16.3	
Motor H2-9	22.6	
Motor H2-10	16.4	
Motor H2-11	16.4	
Motor H2-12	16.5	
Motor H2-13	16.1	
Motor H2-14	15.5	
Motor H2-15	14.8	
Motor H2-16	14.0	
Motor H2-17	13.3	
Motor H2-18	12.5	
Motor H2-19	11.8	
Motor H2-20	11.2	
Motor H2-21	10.6	
Motor H2-22	11.6	
Motor H2-23	11.6	
Stacker F1-1	5.3	
Stacker F1-2	6.2	
Stacker F1-3	6.3	
Stacker F1-4	6.8	
Motor F1-1	6.5	
Motor F1-2	6.8	
Motor F1-3	6.8	
Motor F1-4	7.3	
Stacker F2-1	5.8	
Stacker F2-2	6.1	
Stacker F2-3	6.3	
Stacker F2-4	6.7	
Motor F2-1	6.5	
Motor F2-2	6.8	
Motor F2-3	6.8	
Motor F2-4	7.3	
Stacker G2-1	10.3	
Stacker G2-2	10.4	
Stacker G2-3	10.3	
Stacker G2-4	10.2	
Stacker G2-5	10.0	
Stacker G2-6	9.8	
Stacker G2-7	9.5	
Stacker G2-8	9.2	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker G2-9	9.0	
Stacker G2-10	8.7	
Stacker G2-11	8.3	
Stacker G2-12	8.0	
Stacker G2-13	7.7	
Stacker G2-14	7.8	
Stacker G2-15	8.0	
Motor G2-1	10.4	
Motor G2-2	10.5	
Motor G2-3	10.5	
Motor G2-4	10.3	
Motor G2-5	10.2	
Motor G2-6	10.0	
Motor G2-7	9.7	
Motor G2-8	9.4	
Motor G2-9	9.4	
Motor G2-10	9.1	
Motor G2-11	8.8	
Motor G2-12	8.6	
Motor G2-13	8.3	
Motor G2-14	8.4	
Motor G2-15	8.5	
Stacker D1-1	8.5	
Stacker D1-2	8.1	
Stacker D1-3	7.7	
Stacker D1-4	7.4	
Stacker D1-5	7.0	
Stacker D1-6	6.6	
Stacker D1-7	6.3	
Stacker D1-8	5.9	
Stacker D1-9	5.4	
Stacker D1-10	5.1	
Motor D1-1	9.1	
Motor D1-2	8.8	
Motor D1-3	8.4	
Motor D1-4	8.4	
Motor D1-5	8.0	
Motor D1-6	7.6	
Motor D1-7	7.3	
Motor D1-8	6.9	
Motor D1-9	7.0	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor D1-10	6.7	
Stacker D2-1	8.9	
Stacker D2-2	8.1	
Stacker D2-3	7.7	
Stacker D2-4	7.3	
Stacker D2-5	7.0	
Stacker D2-6	6.6	
Stacker D2-7	6.3	
Stacker D2-8	6.0	
Stacker D2-9	5.9	
Stacker D2-10	5.6	
Motor D2-1	9.1	
Motor D2-2	8.8	
Motor D2-3	8.4	
Motor D2-4	8.4	
Motor D2-5	8.0	
Motor D2-6	7.6	
Motor D2-7	7.3	
Motor D2-8	6.9	
Motor D2-9	7.0	
Motor D2-10	6.7	
Stacker E1-5	3.8	
Stacker E1-4	3.8	
Stacker E1-3	3.8	
Stacker E1-2	3.8	
Stacker E1-1	3.9	
Motor E1-1	5.4	
Motor E1-2	5.5	
Motor E1-3	5.6	
Motor E1-4	5.6	
Motor E1-5	5.7	
Stacker E2-5	4.8	
Stacker E2-4	4.9	
Stacker E2-3	4.9	
Stacker E12-2	4.9	
Stacker E2-1	4.9	
Motor E2-1	5.4	
Motor E2-2	5.5	
Motor E2-3	5.6	
Motor E2-4	5.6	
Motor E2-5	5.7	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker C1-17	2.1	
Stacker C1-16	1.8	
Stacker C1-14	1.4	
Stacker C1-13	1.2	
Stacker C1-12	1.0	
Stacker C1-11	0.9	
Stacker C1-10	0.8	
Stacker C1-9	0.5	
Stacker C1-1	0.4	
Stacker C1-2	-0.9	
Stacker C1-3	-0.8	
Stacker C1-4	-0.4	
Stacker C1-8	0.3	
Stacker C1-7	0.0	
Stacker C1-6	-0.1	
Stacker C1-5	-0.3	
Stacker C1-18	1.8	
Stacker C1-15	1.6	
Motor C1-7	4.5	
Motor C1-8	3.3	
Motor C1-9	2.1	
Motor C1-10	1.6	
Motor C1-11	1.2	
Motor C1-12	0.9	
Motor C1-13	0.5	
Motor C1-14	0.2	
Motor C1-15	-0.2	
Motor C1-16	-0.5	
Motor C1-1	-2.6	
Motor C1-2	-0.5	
Motor C1-3	-0.8	
Motor C1-4	-0.6	
Motor C1-5	-0.4	
Motor C1-6	-0.2	
Motor C1-18	6.6	
Motor C1-17	2.6	
Stacker C2-17	4.4	
Stacker C2-16	3.0	
Stacker C2-14	1.4	
Stacker C2-13	0.9	
Stacker C2-12	0.4	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker C2-11	0.1	
Stacker C2-10	-0.2	
Stacker C2-9	-0.6	
Stacker C2-1	-3.3	
Stacker C2-2	-2.7	
Stacker C2-3	-2.1	
Stacker C2-4	-1.6	
Stacker C2-8	-0.9	
Stacker C2-7	-1.2	
Stacker C2-6	-1.1	
Stacker C2-5	-1.4	
Stacker C2-18	2.7	
Stacker C2-15	2.0	
Motor C1-7	4.5	
Motor C1-8	3.3	
Motor C1-9	2.1	
Motor C1-10	1.6	
Motor C1-11	1.2	
Motor C1-12	0.9	
Motor C1-13	0.5	
Motor C1-14	0.2	
Motor C1-15	-0.2	
Motor C1-16	-0.5	
Motor C1-1	-2.6	
Motor C1-2	-0.5	
Motor C1-3	-0.8	
Motor C1-4	-0.6	
Motor C1-5	-0.4	
Motor C1-6	-0.2	
Motor C1-18	6.6	
Motor C1-17	2.6	
Receiver R5 Ld 29.0 dB(A)		
Stacker A1-1	-7.8	
Stacker A1-2	-6.9	
Stacker A1-3	-8.0	
Stacker A1-4	-7.9	
Stacker A1-5	-4.8	
Stacker A1-6	-5.4	
Stacker A1-7	-6.2	
Stacker A1-8	-5.1	
Stacker A1-9	-5.9	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker A1-10	-6.0	
Stacker A1-11	-6.4	
Stacker A1-12	-6.8	
Stacker A1-13	-7.9	
Stacker A1-14	-6.8	
Motor A1-14	-5.7	
Motor A1-13	-5.7	
Motor A1-12	-3.3	
Motor A1-11	-1.8	
Motor A1-10	-3.8	
Motor A1-9	-3.5	
Motor A1-8	-3.1	
Motor A1-7	-3.3	
Motor A1-6	-3.2	
Motor A1-5	-3.9	
Motor A1-4	-5.7	
Motor A1-3	-4.0	
Motor A1-2	-5.7	
Motor A1-1	-4.0	
Stacker B1-1	-6.9	
Stacker B1-2	-6.8	
Stacker B1-3	-6.9	
Stacker B1-4	-6.8	
Stacker B1-5	-3.4	
Stacker B1-6	-3.1	
Stacker B1-7	-5.0	
Stacker B1-8	-5.3	
Stacker B1-9	-5.2	
Stacker B1-10	-5.2	
Stacker B1-11	-5.2	
Stacker B1-12	-5.5	
Stacker B1-13	-6.9	
Stacker B1-14	-6.0	
Motor B1-1	-5.7	
Motor B1-2	-5.7	
Motor B1-3	-2.1	
Motor B1-4	-2.0	
Motor B1-5	-1.7	
Motor B1-6	-3.4	
Motor B1-7	-3.4	
Motor B1-8	-3.5	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor B1-9	-3.4	
Motor B1-10	-3.4	
Motor B1-11	-5.6	
Motor B1-12	-5.6	
Motor B113	-5.6	
Motor B1-14	-4.3	
Stacker A2-14	-6.9	
Stacker A2-13	-5.9	
Stacker A2-12	-7.1	
Stacker A2-11	-7.1	
Stacker A2-10	-4.0	
Stacker A2-9	-4.6	
Stacker A2-8	-5.5	
Stacker A2-7	-4.2	
Stacker A2-6	-5.1	
Stacker A2-5	-5.0	
Stacker A2-4	-5.4	
Stacker A2-3	-5.7	
Stacker A2-2	-7.1	
Stacker A2-1	-5.7	
Motor A2-14	-6.2	
Motor A2-13	-6.2	
Motor A2-12	-5.9	
Motor A2-11	-2.7	
Motor A2-10	-5.6	
Motor A2-9	-4.6	
Motor A2-8	-3.0	
Motor A2-7	-3.4	
Motor A2-6	-3.3	
Motor A2-5	-4.4	
Motor A2-4	-6.1	
Motor A2-3	-4.5	
Motor A2-2	-6.1	
Motor A2-1	-4.5	
Stacker B2-1	-5.9	
Stacker B2-2	-5.8	
Stacker B2-3	-5.9	
Stacker B2-4	-5.8	
Stacker B2-5	-2.6	
Stacker B2-6	-2.2	
Stacker B2-7	-4.1	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker B2-8	-4.1	
Stacker B2-9	-4.1	
Stacker B2-10	-4.1	
Stacker B2-11	-4.0	
Stacker B2-12	-4.4	
Stacker B2-13	-5.9	
Stacker B2-14	-4.8	
Motor B2-1	-6.0	
Motor B2-2	-6.0	
Motor B2-3	-4.9	
Motor B2-4	-4.2	
Motor B2-5	-2.6	
Motor B2-6	-3.0	
Motor B2-7	-3.1	
Motor B2-8	-3.3	
Motor B2-9	-3.2	
Motor B2-10	-3.2	
Motor B2-11	-5.9	
Motor B2-12	-5.9	
Motor B2-13	-6.0	
Motor B2-14	-4.5	
Stacker A3-14	-7.4	
Stacker A3-13	-6.8	
Stacker A3-12	-7.7	
Stacker A3-11	-7.8	
Stacker A3-10	-5.1	
Stacker A3-9	-5.9	
Stacker A3-8	-7.5	
Stacker A3-7	-5.0	
Stacker A3-6	-5.6	
Stacker A3-5	-5.7	
Stacker A3-4	-6.3	
Stacker A3-3	-6.8	
Stacker A3-2	-7.7	
Stacker A3-1	-6.8	
Motor A3-14	-4.6	
Motor A3-13	-4.6	
Motor A3-12	-5.0	
Motor A3-11	-2.0	
Motor A3-10	-5.4	
Motor A3-9	-4.4	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor A3-8	-2.4	
Motor A3-7	-2.5	
Motor A3-6	-2.3	
Motor A3-5	-4.5	
Motor A3-4	-4.5	
Motor A3-3	-4.5	
Motor A3-2	-4.5	
Motor A3-1	-4.5	
Stacker B3-1	-6.3	
Stacker B3-2	-6.0	
Stacker B3-3	-6.4	
Stacker B3-4	-6.3	
Stacker B3-5	-5.5	
Stacker B3-6	-3.6	
Stacker B3-7	-5.3	
Stacker B3-8	-4.2	
Stacker B3-9	-4.1	
Stacker B3-10	-4.2	
Stacker B3-11	-4.1	
Stacker B3-12	-4.6	
Stacker B3-13	-6.4	
Stacker B3-14	-5.1	
Motor B3-1	-4.4	
Motor B3-2	-4.4	
Motor B3-3	-2.6	
Motor B3-4	-2.4	
Motor B3-5	-1.3	
Motor B3-6	0.0	
Motor B3-7	-0.4	
Motor B3-8	-0.6	
Motor B3-9	-0.6	
Motor B3-10	-0.7	
Motor B3-11	-4.3	
Motor B3-12	-4.3	
Motor B3-13	-4.4	
Motor B3-14	-2.3	
Stacker H1-23	2.2	
Stacker H1-22	2.2	
Stacker H1-21	2.1	
Stacker H1-20	2.2	
Stacker H1-19	2.3	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker H1-18	2.5	
Stacker H1-17	2.7	
Stacker H1-16	2.5	
Stacker H1-15	1.7	
Stacker H1-14	1.1	
Stacker H1-13	1.2	
Stacker H1-12	1.7	
Stacker H1-11	3.3	
Stacker H1-10	4.2	
Stacker H1-9	4.0	
Stacker H1-8	3.0	
Stacker H1-7	1.1	
Stacker H1-6	0.4	
Stacker H1-5	0.2	
Stacker H1-4	-0.4	
Stacker H1-3	-1.9	
Stacker H1-2	-2.5	
Stacker H1-1	-2.4	
Motor H1-1	7.7	
Motor H1-2	7.0	
Motor H1-3	6.5	
Motor H1-4	6.7	
Motor H1-5	6.9	
Motor H1-6	7.1	
Motor H1-7	7.3	
Motor H1-8	7.5	
Motor H1-9	7.7	
Motor H1-10	7.8	
Motor H1-11	8.4	
Motor H1-12	9.0	
Motor H1-13	9.3	
Motor H1-14	9.6	
Motor H1-15	8.3	
Motor H1-16	8.6	
Motor H1-17	5.1	
Motor H1-18	3.9	
Motor H1-19	1.5	
Motor H1-20	3.2	
Motor H1-21	4.7	
Motor H1-22	2.8	
Motor H1-23	-5.6	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker G1-1	2.7	
Stacker G1-2	2.8	
Stacker G1-3	2.9	
Stacker G1-4	3.1	
Stacker G1-5	3.3	
Stacker G1-6	3.5	
Stacker G1-7	2.8	
Stacker G1-8	1.6	
Stacker G1-9	1.4	
Stacker G1-10	2.1	
Stacker G1-11	3.9	
Stacker G1-12	4.9	
Stacker G1-13	4.6	
Stacker G1-14	2.2	
Stacker G1-15	-1.2	
Motor G1-1	5.3	
Motor G1-2	5.5	
Motor G1-3	5.7	
Motor G1-4	5.9	
Motor G1-5	6.3	
Motor G1-6	6.6	
Motor G1-7	6.9	
Motor G1-8	7.1	
Motor G1-9	7.4	
Motor G1-10	7.8	
Motor G1-11	8.1	
Motor G1-12	8.5	
Motor G1-13	10.0	
Motor G1-14	10.4	
Motor G1-15	10.7	
Stacker H2-23	6.1	
Stacker H2-22	6.0	
Stacker H2-21	5.4	
Stacker H2-20	5.5	
Stacker H2-19	5.5	
Stacker H2-18	5.9	
Stacker H2-17	6.1	
Stacker H2-16	6.3	
Stacker H2-15	6.7	
Stacker H2-14	6.8	
Stacker H2-13	7.0	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker H2-12	7.3	
Stacker H2-11	7.9	
Stacker H2-10	7.9	
Stacker H2-9	7.3	
Stacker H2-8	7.4	
Stacker H2-7	6.4	
Stacker H2-6	4.0	
Stacker H2-5	3.4	
Stacker H2-4	2.8	
Stacker H2-3	2.1	
Stacker H2-2	1.3	
Stacker H2-1	1.4	
Motor H2-1	7.7	
Motor H2-2	7.0	
Motor H2-3	6.5	
Motor H2-4	6.7	
Motor H2-5	6.9	
Motor H2-6	7.1	
Motor H2-7	7.3	
Motor H2-8	7.5	
Motor H2-9	7.7	
Motor H2-10	7.8	
Motor H2-11	8.4	
Motor H2-12	9.0	
Motor H2-13	9.3	
Motor H2-14	9.6	
Motor H2-15	8.3	
Motor H2-16	8.6	
Motor H2-17	5.1	
Motor H2-18	3.9	
Motor H2-19	1.5	
Motor H2-20	3.2	
Motor H2-21	4.7	
Motor H2-22	2.8	
Motor H2-23	-5.6	
Stacker F1-1	-3.8	
Stacker F1-2	-3.7	
Stacker F1-3	-3.6	
Stacker F1-4	-2.2	
Motor F1-1	2.6	
Motor F1-2	2.7	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor F1-3	2.7	
Motor F1-4	-1.6	
Stacker F2-1	1.9	
Stacker F2-2	2.0	
Stacker F2-3	-2.0	
Stacker F2-4	-0.4	
Motor F2-1	2.6	
Motor F2-2	2.7	
Motor F2-3	2.7	
Motor F2-4	-1.6	
Stacker G2-1	4.6	
Stacker G2-2	4.7	
Stacker G2-3	4.9	
Stacker G2-4	5.1	
Stacker G2-5	5.4	
Stacker G2-6	5.8	
Stacker G2-7	6.0	
Stacker G2-8	6.2	
Stacker G2-9	6.5	
Stacker G2-10	7.0	
Stacker G2-11	7.8	
Stacker G2-12	8.5	
Stacker G2-13	9.0	
Stacker G2-14	8.9	
Stacker G2-15	6.3	
Motor G2-1	5.3	
Motor G2-2	5.5	
Motor G2-3	5.7	
Motor G2-4	5.9	
Motor G2-5	6.3	
Motor G2-6	6.6	
Motor G2-7	6.9	
Motor G2-8	7.1	
Motor G2-9	7.4	
Motor G2-10	7.8	
Motor G2-11	8.1	
Motor G2-12	8.5	
Motor G2-13	10.0	
Motor G2-14	10.4	
Motor G2-15	10.7	
Stacker D1-1	2.1	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker D1-2	2.3	
Stacker D1-3	2.5	
Stacker D1-4	0.3	
Stacker D1-5	-3.8	
Stacker D1-6	-4.0	
Stacker D1-7	-4.0	
Stacker D1-8	-4.0	
Stacker D1-9	-3.3	
Stacker D1-10	-3.8	
Motor D1-1	4.8	
Motor D1-2	5.1	
Motor D1-3	5.3	
Motor D1-4	-1.8	
Motor D1-5	-1.8	
Motor D1-6	-2.0	
Motor D1-7	-0.4	
Motor D1-8	2.6	
Motor D1-9	2.6	
Motor D1-10	2.6	
Stacker D2-1	4.1	
Stacker D2-2	4.5	
Stacker D2-3	4.6	
Stacker D2-4	2.2	
Stacker D2-5	-2.4	
Stacker D2-6	-2.6	
Stacker D2-7	-1.4	
Stacker D2-8	1.8	
Stacker D2-9	1.8	
Stacker D2-10	1.9	
Motor D2-1	4.8	
Motor D2-2	5.1	
Motor D2-3	5.3	
Motor D2-4	-1.8	
Motor D2-5	-1.8	
Motor D2-6	-2.0	
Motor D2-7	-0.4	
Motor D2-8	2.6	
Motor D2-9	2.6	
Motor D2-10	2.6	
Stacker E1-5	-3.7	
Stacker E1-4	-4.8	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker E1-3	-4.7	
Stacker E1-2	-4.7	
Stacker E1-1	-4.6	
Motor E1-1	-4.1	
Motor E1-2	-3.9	
Motor E1-3	-3.7	
Motor E1-4	-0.2	
Motor E1-5	3.8	
Stacker E2-5	-0.9	
Stacker E2-4	0.1	
Stacker E2-3	1.1	
Stacker E12-2	3.0	
Stacker E2-1	2.9	
Motor E2-1	-4.1	
Motor E2-2	-3.9	
Motor E2-3	-3.7	
Motor E2-4	-0.2	
Motor E2-5	3.8	
Stacker C1-17	-10.3	
Stacker C1-16	-10.6	
Stacker C1-14	-10.6	
Stacker C1-13	-10.9	
Stacker C1-12	-11.2	
Stacker C1-11	-11.2	
Stacker C1-10	-11.1	
Stacker C1-9	-11.1	
Stacker C1-1	-8.9	
Stacker C1-2	-8.6	
Stacker C1-3	-9.1	
Stacker C1-4	-9.2	
Stacker C1-8	-11.1	
Stacker C1-7	-11.1	
Stacker C1-6	-10.7	
Stacker C1-5	-9.7	
Stacker C1-18	-10.8	
Stacker C1-15	-10.7	
Motor C1-7	-11.6	
Motor C1-8	-11.6	
Motor C1-9	-11.6	
Motor C1-10	-11.6	
Motor C1-11	-12.0	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor C1-12	-11.9	
Motor C1-13	-11.9	
Motor C1-14	-11.8	
Motor C1-15	-11.8	
Motor C1-16	-11.8	
Motor C1-1	-11.6	
Motor C1-2	-10.1	
Motor C1-3	-9.7	
Motor C1-4	-9.0	
Motor C1-5	-8.5	
Motor C1-6	-10.8	
Motor C1-18	-8.9	
Motor C1-17	-11.6	
Stacker C2-17	-11.5	
Stacker C2-16	-12.4	
Stacker C2-14	-12.4	
Stacker C2-13	-12.4	
Stacker C2-12	-13.0	
Stacker C2-11	-12.9	
Stacker C2-10	-12.9	
Stacker C2-9	-12.9	
Stacker C2-1	-10.4	
Stacker C2-2	-11.5	
Stacker C2-3	-10.9	
Stacker C2-4	-9.9	
Stacker C2-8	-12.9	
Stacker C2-7	-12.8	
Stacker C2-6	-12.2	
Stacker C2-5	-10.8	
Stacker C2-18	-12.1	
Stacker C2-15	-12.4	
Motor C1-7	-11.6	
Motor C1-8	-11.6	
Motor C1-9	-11.6	
Motor C1-10	-11.6	
Motor C1-11	-12.0	
Motor C1-12	-11.9	
Motor C1-13	-11.9	
Motor C1-14	-11.8	
Motor C1-15	-11.8	
Motor C1-16	-11.8	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor C1-1	-11.6	
Motor C1-2	-10.1	
Motor C1-3	-9.7	
Motor C1-4	-9.0	
Motor C1-5	-8.5	
Motor C1-6	-10.8	
Motor C1-18	-8.9	
Motor C1-17	-11.6	
Receiver R6 Ld 29.6 dB(A)		
Stacker A1-1	2.9	
Stacker A1-2	2.8	
Stacker A1-3	3.1	
Stacker A1-4	3.2	
Stacker A1-5	2.0	
Stacker A1-6	2.0	
Stacker A1-7	1.9	
Stacker A1-8	1.8	
Stacker A1-9	2.6	
Stacker A1-10	2.5	
Stacker A1-11	2.6	
Stacker A1-12	2.7	
Stacker A1-13	3.0	
Stacker A1-14	2.8	
Motor A1-14	5.5	
Motor A1-13	5.8	
Motor A1-12	3.8	
Motor A1-11	4.0	
Motor A1-10	4.0	
Motor A1-9	4.9	
Motor A1-8	5.1	
Motor A1-7	5.2	
Motor A1-6	5.1	
Motor A1-5	4.7	
Motor A1-4	5.7	
Motor A1-3	4.8	
Motor A1-2	6.0	
Motor A1-1	4.9	
Stacker B1-1	4.5	
Stacker B1-2	4.2	
Stacker B1-3	4.5	
Stacker B1-4	5.2	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker B1-5	2.6	
Stacker B1-6	2.6	
Stacker B1-7	2.5	
Stacker B1-8	3.4	
Stacker B1-9	3.7	
Stacker B1-10	3.9	
Stacker B1-11	3.9	
Stacker B1-12	4.0	
Stacker B1-13	4.4	
Stacker B1-14	4.2	
Motor B1-1	8.0	
Motor B1-2	8.3	
Motor B1-3	5.0	
Motor B1-4	5.2	
Motor B1-5	5.3	
Motor B1-6	6.5	
Motor B1-7	6.7	
Motor B1-8	6.9	
Motor B1-9	6.7	
Motor B1-10	7.0	
Motor B1-11	7.6	
Motor B1-12	7.3	
Motor B1-13	7.9	
Motor B1-14	7.2	
Stacker A2-14	4.4	
Stacker A2-13	4.4	
Stacker A2-12	4.7	
Stacker A2-11	4.9	
Stacker A2-10	3.4	
Stacker A2-9	3.6	
Stacker A2-8	4.0	
Stacker A2-7	3.9	
Stacker A2-6	4.1	
Stacker A2-5	3.9	
Stacker A2-4	4.0	
Stacker A2-3	4.1	
Stacker A2-2	4.6	
Stacker A2-1	4.2	
Motor A2-14	6.5	
Motor A2-13	6.9	
Motor A2-12	5.3	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor A2-11	5.4	
Motor A2-10	5.0	
Motor A2-9	5.1	
Motor A2-8	4.8	
Motor A2-7	5.0	
Motor A2-6	4.6	
Motor A2-5	5.0	
Motor A2-4	5.7	
Motor A2-3	5.4	
Motor A2-2	6.1	
Motor A2-1	5.2	
Stacker B2-1	6.1	
Stacker B2-2	5.8	
Stacker B2-3	6.2	
Stacker B2-4	6.8	
Stacker B2-5	4.0	
Stacker B2-6	4.2	
Stacker B2-7	4.2	
Stacker B2-8	4.9	
Stacker B2-9	5.2	
Stacker B2-10	5.3	
Stacker B2-11	5.4	
Stacker B2-12	5.6	
Stacker B2-13	6.1	
Stacker B2-14	5.8	
Motor B2-1	7.6	
Motor B2-2	8.1	
Motor B2-3	5.5	
Motor B2-4	5.6	
Motor B2-5	5.4	
Motor B2-6	5.7	
Motor B2-7	6.1	
Motor B2-8	6.3	
Motor B2-9	6.1	
Motor B2-10	6.4	
Motor B2-11	7.2	
Motor B2-12	6.9	
Motor B2-13	7.6	
Motor B2-14	6.7	
Stacker A3-14	5.1	
Stacker A3-13	4.9	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

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Source	Ld dB(A)	
Stacker A3-12	5.7	
Stacker A3-11	5.4	
Stacker A3-10	4.9	
Stacker A3-9	4.9	
Stacker A3-8	4.6	
Stacker A3-7	4.2	
Stacker A3-6	4.4	
Stacker A3-5	4.2	
Stacker A3-4	4.3	
Stacker A3-3	4.5	
Stacker A3-2	5.4	
Stacker A3-1	4.7	
Motor A3-14	7.0	
Motor A3-13	6.8	
Motor A3-12	10.0	
Motor A3-11	10.1	
Motor A3-10	8.0	
Motor A3-9	7.9	
Motor A3-8	7.0	
Motor A3-7	7.1	
Motor A3-6	5.7	
Motor A3-5	6.0	
Motor A3-4	6.5	
Motor A3-3	6.3	
Motor A3-2	6.9	
Motor A3-1	6.2	
Stacker B3-1	5.9	
Stacker B3-2	5.6	
Stacker B3-3	6.5	
Stacker B3-4	6.5	
Stacker B3-5	4.3	
Stacker B3-6	4.4	
Stacker B3-7	4.3	
Stacker B3-8	4.4	
Stacker B3-9	4.6	
Stacker B3-10	4.6	
Stacker B3-11	4.8	
Stacker B3-12	5.2	
Stacker B3-13	6.1	
Stacker B3-14	5.4	
Motor B3-1	7.0	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor B3-2	6.9	
Motor B3-3	7.4	
Motor B3-4	7.6	
Motor B3-5	7.2	
Motor B3-6	7.3	
Motor B3-7	7.8	
Motor B3-8	7.9	
Motor B3-9	7.5	
Motor B3-10	7.8	
Motor B3-11	8.5	
Motor B3-12	8.3	
Motor B3-13	8.8	
Motor B3-14	8.2	
Stacker H1-23	-1.3	
Stacker H1-22	-0.7	
Stacker H1-21	0.7	
Stacker H1-20	0.7	
Stacker H1-19	0.2	
Stacker H1-18	-0.1	
Stacker H1-17	-0.1	
Stacker H1-16	-0.5	
Stacker H1-15	-1.3	
Stacker H1-14	-1.3	
Stacker H1-13	-1.4	
Stacker H1-12	-1.4	
Stacker H1-11	-1.4	
Stacker H1-10	-1.4	
Stacker H1-9	-1.4	
Stacker H1-8	-1.4	
Stacker H1-7	-1.5	
Stacker H1-6	-1.8	
Stacker H1-5	-2.2	
Stacker H1-4	-2.6	
Stacker H1-3	-3.0	
Stacker H1-2	-3.1	
Stacker H1-1	-3.4	
Motor H1-1	0.5	
Motor H1-2	2.6	
Motor H1-3	2.6	
Motor H1-4	2.6	
Motor H1-5	3.1	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor H1-6	3.0	
Motor H1-7	3.0	
Motor H1-8	1.2	
Motor H1-9	2.3	
Motor H1-10	2.3	
Motor H1-11	2.3	
Motor H1-12	2.2	
Motor H1-13	2.2	
Motor H1-14	2.2	
Motor H1-15	2.2	
Motor H1-16	2.2	
Motor H1-17	2.0	
Motor H1-18	1.4	
Motor H1-19	1.1	
Motor H1-20	0.9	
Motor H1-21	0.3	
Motor H1-22	4.2	
Motor H1-23	3.7	
Stacker G1-1	-1.7	
Stacker G1-2	-1.7	
Stacker G1-3	-1.8	
Stacker G1-4	-1.8	
Stacker G1-5	-1.8	
Stacker G1-6	-1.8	
Stacker G1-7	-1.8	
Stacker G1-8	-1.9	
Stacker G1-9	-2.3	
Stacker G1-10	-2.7	
Stacker G1-11	-3.1	
Stacker G1-12	-3.6	
Stacker G1-13	-3.7	
Stacker G1-14	-4.2	
Stacker G1-15	-4.4	
Motor G1-1	1.2	
Motor G1-2	1.2	
Motor G1-3	1.1	
Motor G1-4	1.1	
Motor G1-5	1.1	
Motor G1-6	1.1	
Motor G1-7	1.1	
Motor G1-8	1.5	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor G1-9	0.9	
Motor G1-10	0.3	
Motor G1-11	-0.4	
Motor G1-12	-1.1	
Motor G1-13	2.5	
Motor G1-14	1.9	
Motor G1-15	1.5	
Stacker H2-23	-0.4	
Stacker H2-22	0.2	
Stacker H2-21	1.8	
Stacker H2-20	1.8	
Stacker H2-19	2.0	
Stacker H2-18	2.0	
Stacker H2-17	2.0	
Stacker H2-16	1.5	
Stacker H2-15	1.5	
Stacker H2-14	1.6	
Stacker H2-13	1.6	
Stacker H2-12	1.6	
Stacker H2-11	1.6	
Stacker H2-10	1.6	
Stacker H2-9	1.6	
Stacker H2-8	1.6	
Stacker H2-7	1.4	
Stacker H2-6	0.8	
Stacker H2-5	0.7	
Stacker H2-4	0.4	
Stacker H2-3	-0.2	
Stacker H2-2	2.1	
Stacker H2-1	3.0	
Motor H2-1	0.5	
Motor H2-2	2.6	
Motor H2-3	2.6	
Motor H2-4	2.6	
Motor H2-5	3.1	
Motor H2-6	3.0	
Motor H2-7	3.0	
Motor H2-8	1.2	
Motor H2-9	2.3	
Motor H2-10	2.3	
Motor H2-11	2.3	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor H2-12	2.2	
Motor H2-13	2.2	
Motor H2-14	2.2	
Motor H2-15	2.2	
Motor H2-16	2.2	
Motor H2-17	2.0	
Motor H2-18	1.4	
Motor H2-19	1.1	
Motor H2-20	0.9	
Motor H2-21	0.3	
Motor H2-22	4.2	
Motor H2-23	3.7	
Stacker F1-1	0.9	
Stacker F1-2	0.9	
Stacker F1-3	0.8	
Stacker F1-4	0.7	
Motor F1-1	3.9	
Motor F1-2	5.6	
Motor F1-3	5.3	
Motor F1-4	5.1	
Stacker F2-1	3.1	
Stacker F2-2	3.0	
Stacker F2-3	3.1	
Stacker F2-4	3.0	
Motor F2-1	3.9	
Motor F2-2	5.6	
Motor F2-3	5.3	
Motor F2-4	5.1	
Stacker G2-1	0.9	
Stacker G2-2	0.9	
Stacker G2-3	0.9	
Stacker G2-4	0.9	
Stacker G2-5	0.9	
Stacker G2-6	0.9	
Stacker G2-7	0.9	
Stacker G2-8	1.1	
Stacker G2-9	0.7	
Stacker G2-10	0.1	
Stacker G2-11	-0.5	
Stacker G2-12	-1.1	
Stacker G2-13	1.9	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

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Source	Ld dB(A)	
Stacker G2-14	1.4	
Stacker G2-15	1.8	
Motor G2-1	1.2	
Motor G2-2	1.2	
Motor G2-3	1.1	
Motor G2-4	1.1	
Motor G2-5	1.1	
Motor G2-6	1.1	
Motor G2-7	1.1	
Motor G2-8	1.5	
Motor G2-9	0.9	
Motor G2-10	0.3	
Motor G2-11	-0.4	
Motor G2-12	-1.1	
Motor G2-13	2.5	
Motor G2-14	1.9	
Motor G2-15	1.5	
Stacker D1-1	-1.9	
Stacker D1-2	-2.5	
Stacker D1-3	-3.2	
Stacker D1-4	-4.0	
Stacker D1-5	-5.0	
Stacker D1-6	-5.8	
Stacker D1-7	-5.8	
Stacker D1-8	-5.9	
Stacker D1-9	-6.7	
Stacker D1-10	-6.9	
Motor D1-1	-1.9	
Motor D1-2	-3.2	
Motor D1-3	-3.1	
Motor D1-4	-3.0	
Motor D1-5	-3.0	
Motor D1-6	-2.9	
Motor D1-7	-2.8	
Motor D1-8	-2.8	
Motor D1-9	-3.0	
Motor D1-10	-3.0	
Stacker D2-1	-1.4	
Stacker D2-2	-1.9	
Stacker D2-3	-2.2	
Stacker D2-4	-2.6	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker D2-5	-3.0	
Stacker D2-6	-3.2	
Stacker D2-7	-3.1	
Stacker D2-8	-3.1	
Stacker D2-9	-3.3	
Stacker D2-10	-3.4	
Motor D2-1	-1.9	
Motor D2-2	-3.2	
Motor D2-3	-3.1	
Motor D2-4	-3.0	
Motor D2-5	-3.0	
Motor D2-6	-2.9	
Motor D2-7	-2.8	
Motor D2-8	-2.8	
Motor D2-9	-3.0	
Motor D2-10	-3.0	
Stacker E1-5	-8.9	
Stacker E1-4	-2.7	
Stacker E1-3	0.3	
Stacker E1-2	0.6	
Stacker E1-1	0.9	
Motor E1-1	-6.6	
Motor E1-2	-6.6	
Motor E1-3	-0.3	
Motor E1-4	0.4	
Motor E1-5	0.3	
Stacker E2-5	-5.4	
Stacker E2-4	0.2	
Stacker E2-3	1.8	
Stacker E12-2	1.8	
Stacker E2-1	1.6	
Motor E2-1	-6.6	
Motor E2-2	-6.6	
Motor E2-3	-0.3	
Motor E2-4	0.4	
Motor E2-5	0.3	
Stacker C1-17	-5.5	
Stacker C1-16	-5.6	
Stacker C1-14	-7.7	
Stacker C1-13	-8.5	
Stacker C1-12	-6.2	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker C1-11	-5.6	
Stacker C1-10	-5.1	
Stacker C1-9	-4.9	
Stacker C1-1	-9.1	
Stacker C1-2	-8.4	
Stacker C1-3	-7.8	
Stacker C1-4	-6.4	
Stacker C1-8	-4.8	
Stacker C1-7	-4.8	
Stacker C1-6	-4.8	
Stacker C1-5	-5.2	
Stacker C1-18	-5.9	
Stacker C1-15	-6.3	
Motor C1-7	-5.4	
Motor C1-8	-4.1	
Motor C1-9	-5.3	
Motor C1-10	-6.1	
Motor C1-11	-5.9	
Motor C1-12	-6.1	
Motor C1-13	-6.1	
Motor C1-14	-7.0	
Motor C1-15	-4.2	
Motor C1-16	-4.0	
Motor C1-1	-8.7	
Motor C1-2	-7.0	
Motor C1-3	-5.7	
Motor C1-4	-1.4	
Motor C1-5	-3.5	
Motor C1-6	-3.7	
Motor C1-18	-4.8	
Motor C1-17	-5.5	
Stacker C2-17	-4.6	
Stacker C2-16	-5.1	
Stacker C2-14	-6.9	
Stacker C2-13	-7.4	
Stacker C2-12	-4.6	
Stacker C2-11	-3.9	
Stacker C2-10	-3.8	
Stacker C2-9	-3.7	
Stacker C2-1	-8.7	
Stacker C2-2	-7.1	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker C2-3	-6.1	
Stacker C2-4	-4.8	
Stacker C2-8	-3.6	
Stacker C2-7	-3.6	
Stacker C2-6	-3.4	
Stacker C2-5	-3.8	
Stacker C2-18	-4.9	
Stacker C2-15	-5.3	
Motor C1-7	-5.4	
Motor C1-8	-4.1	
Motor C1-9	-5.3	
Motor C1-10	-6.1	
Motor C1-11	-5.9	
Motor C1-12	-6.1	
Motor C1-13	-6.1	
Motor C1-14	-7.0	
Motor C1-15	-4.2	
Motor C1-16	-4.0	
Motor C1-1	-8.7	
Motor C1-2	-7.0	
Motor C1-3	-5.7	
Motor C1-4	-1.4	
Motor C1-5	-3.5	
Motor C1-6	-3.7	
Motor C1-18	-4.8	
Motor C1-17	-5.5	
Receiver R7 Ld 49.4 dB(A)		
Stacker A1-1	7.3	
Stacker A1-2	6.6	
Stacker A1-3	6.6	
Stacker A1-4	6.4	
Stacker A1-5	9.2	
Stacker A1-6	8.2	
Stacker A1-7	9.4	
Stacker A1-8	11.9	
Stacker A1-9	10.0	
Stacker A1-10	8.1	
Stacker A1-11	7.7	
Stacker A1-12	7.1	
Stacker A1-13	6.6	
Stacker A1-14	7.0	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor A1-14	10.1	
Motor A1-13	9.9	
Motor A1-12	13.1	
Motor A1-11	12.1	
Motor A1-10	12.3	
Motor A1-9	17.0	
Motor A1-8	12.1	
Motor A1-7	12.0	
Motor A1-6	12.1	
Motor A1-5	12.1	
Motor A1-4	10.6	
Motor A1-3	10.8	
Motor A1-2	10.7	
Motor A1-1	11.1	
Stacker B1-1	5.2	
Stacker B1-2	5.3	
Stacker B1-3	5.2	
Stacker B1-4	6.8	
Stacker B1-5	13.4	
Stacker B1-6	12.6	
Stacker B1-7	9.5	
Stacker B1-8	7.0	
Stacker B1-9	6.9	
Stacker B1-10	6.8	
Stacker B1-11	6.7	
Stacker B1-12	6.6	
Stacker B1-13	5.3	
Stacker B1-14	5.7	
Motor B1-1	6.4	
Motor B1-2	7.2	
Motor B1-3	12.8	
Motor B1-4	8.4	
Motor B1-5	8.3	
Motor B1-6	10.2	
Motor B1-7	10.0	
Motor B1-8	9.9	
Motor B1-9	9.7	
Motor B1-10	9.5	
Motor B1-11	6.4	
Motor B1-12	7.5	
Motor B113	6.4	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor B1-14	9.2	
Stacker A2-14	10.0	
Stacker A2-13	9.6	
Stacker A2-12	9.4	
Stacker A2-11	9.1	
Stacker A2-10	11.8	
Stacker A2-9	9.9	
Stacker A2-8	11.2	
Stacker A2-7	13.7	
Stacker A2-6	12.2	
Stacker A2-5	11.0	
Stacker A2-4	10.9	
Stacker A2-3	10.2	
Stacker A2-2	9.6	
Stacker A2-1	10.1	
Motor A2-14	17.5	
Motor A2-13	17.4	
Motor A2-12	11.9	
Motor A2-11	13.6	
Motor A2-10	14.8	
Motor A2-9	18.1	
Motor A2-8	17.5	
Motor A2-7	17.3	
Motor A2-6	17.8	
Motor A2-5	18.0	
Motor A2-4	17.5	
Motor A2-3	17.6	
Motor A2-2	17.6	
Motor A2-1	17.8	
Stacker B2-1	8.2	
Stacker B2-2	8.4	
Stacker B2-3	8.1	
Stacker B2-4	8.8	
Stacker B2-5	15.3	
Stacker B2-6	14.4	
Stacker B2-7	11.5	
Stacker B2-8	10.3	
Stacker B2-9	10.0	
Stacker B2-10	9.8	
Stacker B2-11	9.7	
Stacker B2-12	9.6	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker B2-13	8.4	
Stacker B2-14	8.7	
Motor B2-1	17.4	
Motor B2-2	19.2	
Motor B2-3	20.4	
Motor B2-4	21.9	
Motor B2-5	20.6	
Motor B2-6	20.7	
Motor B2-7	20.4	
Motor B2-8	20.1	
Motor B2-9	19.8	
Motor B2-10	19.4	
Motor B2-11	17.8	
Motor B2-12	18.9	
Motor B2-13	17.6	
Motor B2-14	19.2	
Stacker A3-14	15.8	
Stacker A3-13	15.6	
Stacker A3-12	15.8	
Stacker A3-11	15.9	
Stacker A3-10	10.6	
Stacker A3-9	11.2	
Stacker A3-8	12.9	
Stacker A3-7	14.6	
Stacker A3-6	15.2	
Stacker A3-5	15.5	
Stacker A3-4	16.0	
Stacker A3-3	16.0	
Stacker A3-2	15.9	
Stacker A3-1	16.0	
Motor A3-14	15.4	
Motor A3-13	15.4	
Motor A3-12	9.2	
Motor A3-11	10.4	
Motor A3-10	11.0	
Motor A3-9	12.3	
Motor A3-8	14.6	
Motor A3-7	14.7	
Motor A3-6	14.5	
Motor A3-5	14.9	
Motor A3-4	14.6	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor A3-3	14.6	
Motor A3-2	14.9	
Motor A3-1	14.7	
Stacker B3-1	17.3	
Stacker B3-2	17.2	
Stacker B3-3	17.5	
Stacker B3-4	17.2	
Stacker B3-5	16.9	
Stacker B3-6	18.3	
Stacker B3-7	18.2	
Stacker B3-8	18.4	
Stacker B3-9	17.9	
Stacker B3-10	17.6	
Stacker B3-11	17.4	
Stacker B3-12	17.2	
Stacker B3-13	17.5	
Stacker B3-14	17.1	
Motor B3-1	11.9	
Motor B3-2	14.1	
Motor B3-3	10.5	
Motor B3-4	15.1	
Motor B3-5	14.8	
Motor B3-6	14.1	
Motor B3-7	13.9	
Motor B3-8	13.8	
Motor B3-9	13.5	
Motor B3-10	13.2	
Motor B3-11	12.3	
Motor B3-12	12.9	
Motor B3-13	12.1	
Motor B3-14	13.0	
Stacker H1-23	7.3	
Stacker H1-22	7.0	
Stacker H1-21	6.7	
Stacker H1-20	6.1	
Stacker H1-19	5.7	
Stacker H1-18	5.3	
Stacker H1-17	4.9	
Stacker H1-16	4.5	
Stacker H1-15	4.2	
Stacker H1-14	3.9	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker H1-13	3.6	
Stacker H1-12	3.5	
Stacker H1-11	3.4	
Stacker H1-10	3.1	
Stacker H1-9	2.8	
Stacker H1-8	2.4	
Stacker H1-7	2.2	
Stacker H1-6	1.8	
Stacker H1-5	1.7	
Stacker H1-4	1.3	
Stacker H1-3	1.3	
Stacker H1-2	1.1	
Stacker H1-1	1.7	
Motor H1-1	8.2	
Motor H1-2	9.2	
Motor H1-3	8.7	
Motor H1-4	8.2	
Motor H1-5	7.7	
Motor H1-6	7.3	
Motor H1-7	6.9	
Motor H1-8	6.5	
Motor H1-9	6.2	
Motor H1-10	5.9	
Motor H1-11	5.5	
Motor H1-12	5.3	
Motor H1-13	5.1	
Motor H1-14	4.8	
Motor H1-15	4.6	
Motor H1-16	4.4	
Motor H1-17	4.1	
Motor H1-18	4.0	
Motor H1-19	4.3	
Motor H1-20	4.1	
Motor H1-21	4.2	
Motor H1-22	4.9	
Motor H1-23	5.0	
Stacker G1-1	4.8	
Stacker G1-2	4.4	
Stacker G1-3	4.0	
Stacker G1-4	3.6	
Stacker G1-5	3.3	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker G1-6	3.0	
Stacker G1-7	2.6	
Stacker G1-8	2.3	
Stacker G1-9	2.1	
Stacker G1-10	1.8	
Stacker G1-11	1.5	
Stacker G1-12	1.3	
Stacker G1-13	1.1	
Stacker G1-14	1.1	
Stacker G1-15	1.0	
Motor G1-1	5.1	
Motor G1-2	4.7	
Motor G1-3	4.3	
Motor G1-4	4.0	
Motor G1-5	3.7	
Motor G1-6	3.4	
Motor G1-7	3.0	
Motor G1-8	2.7	
Motor G1-9	2.6	
Motor G1-10	2.3	
Motor G1-11	2.0	
Motor G1-12	1.8	
Motor G1-13	1.6	
Motor G1-14	1.4	
Motor G1-15	1.1	
Stacker H2-23	8.2	
Stacker H2-22	7.7	
Stacker H2-21	8.2	
Stacker H2-20	7.5	
Stacker H2-19	7.0	
Stacker H2-18	6.6	
Stacker H2-17	6.1	
Stacker H2-16	5.7	
Stacker H2-15	5.5	
Stacker H2-14	5.1	
Stacker H2-13	4.8	
Stacker H2-12	4.6	
Stacker H2-11	4.4	
Stacker H2-10	4.2	
Stacker H2-9	4.0	
Stacker H2-8	3.7	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker H2-7	3.5	
Stacker H2-6	3.4	
Stacker H2-5	3.5	
Stacker H2-4	3.0	
Stacker H2-3	3.1	
Stacker H2-2	2.9	
Stacker H2-1	3.2	
Motor H2-1	8.2	
Motor H2-2	9.2	
Motor H2-3	8.7	
Motor H2-4	8.2	
Motor H2-5	7.7	
Motor H2-6	7.3	
Motor H2-7	6.9	
Motor H2-8	6.5	
Motor H2-9	6.2	
Motor H2-10	5.9	
Motor H2-11	5.5	
Motor H2-12	5.3	
Motor H2-13	5.1	
Motor H2-14	4.8	
Motor H2-15	4.6	
Motor H2-16	4.4	
Motor H2-17	4.1	
Motor H2-18	4.0	
Motor H2-19	4.3	
Motor H2-20	4.1	
Motor H2-21	4.2	
Motor H2-22	4.9	
Motor H2-23	5.0	
Stacker F1-1	7.6	
Stacker F1-2	7.6	
Stacker F1-3	7.3	
Stacker F1-4	7.3	
Motor F1-1	8.3	
Motor F1-2	7.8	
Motor F1-3	7.8	
Motor F1-4	7.9	
Stacker F2-1	8.0	
Stacker F2-2	8.0	
Stacker F2-3	7.8	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker F2-4	7.8	
Motor F2-1	8.3	
Motor F2-2	7.8	
Motor F2-3	7.8	
Motor F2-4	7.9	
Stacker G2-1	4.9	
Stacker G2-2	4.5	
Stacker G2-3	4.1	
Stacker G2-4	3.7	
Stacker G2-5	3.4	
Stacker G2-6	3.1	
Stacker G2-7	2.7	
Stacker G2-8	2.5	
Stacker G2-9	2.4	
Stacker G2-10	2.1	
Stacker G2-11	1.9	
Stacker G2-12	1.8	
Stacker G2-13	1.6	
Stacker G2-14	1.6	
Stacker G2-15	1.8	
Motor G2-1	5.1	
Motor G2-2	4.7	
Motor G2-3	4.3	
Motor G2-4	4.0	
Motor G2-5	3.7	
Motor G2-6	3.4	
Motor G2-7	3.0	
Motor G2-8	2.7	
Motor G2-9	2.6	
Motor G2-10	2.3	
Motor G2-11	2.0	
Motor G2-12	1.8	
Motor G2-13	1.6	
Motor G2-14	1.4	
Motor G2-15	1.1	
Stacker D1-1	7.8	
Stacker D1-2	8.3	
Stacker D1-3	8.5	
Stacker D1-4	8.2	
Stacker D1-5	8.7	
Stacker D1-6	9.3	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Stacker D1-7	9.4	
Stacker D1-8	9.3	
Stacker D1-9	9.5	
Stacker D1-10	9.7	
Motor D1-1	9.2	
Motor D1-2	9.4	
Motor D1-3	9.4	
Motor D1-4	9.5	
Motor D1-5	9.6	
Motor D1-6	11.0	
Motor D1-7	11.0	
Motor D1-8	11.0	
Motor D1-9	10.9	
Motor D1-10	10.8	
Stacker D2-1	8.2	
Stacker D2-2	8.7	
Stacker D2-3	8.7	
Stacker D2-4	8.6	
Stacker D2-5	9.2	
Stacker D2-6	10.0	
Stacker D2-7	10.1	
Stacker D2-8	10.0	
Stacker D2-9	10.1	
Stacker D2-10	10.3	
Motor D2-1	9.2	
Motor D2-2	9.4	
Motor D2-3	9.4	
Motor D2-4	9.5	
Motor D2-5	9.6	
Motor D2-6	11.0	
Motor D2-7	11.0	
Motor D2-8	11.0	
Motor D2-9	10.9	
Motor D2-10	10.8	
Stacker E1-5	8.3	
Stacker E1-4	7.9	
Stacker E1-3	7.4	
Stacker E1-2	6.6	
Stacker E1-1	5.6	
Motor E1-1	9.7	
Motor E1-2	9.1	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor E1-3	8.6	
Motor E1-4	8.2	
Motor E1-5	7.7	
Stacker E2-5	8.8	
Stacker E2-4	8.2	
Stacker E2-3	7.7	
Stacker E12-2	7.2	
Stacker E2-1	6.7	
Motor E2-1	9.7	
Motor E2-2	9.1	
Motor E2-3	8.6	
Motor E2-4	8.2	
Motor E2-5	7.7	
Stacker C1-17	28.6	
Stacker C1-16	28.7	
Stacker C1-14	29.1	
Stacker C1-13	29.0	
Stacker C1-12	29.0	
Stacker C1-11	29.0	
Stacker C1-10	29.4	
Stacker C1-9	29.5	
Stacker C1-1	28.2	
Stacker C1-2	28.0	
Stacker C1-3	28.0	
Stacker C1-4	28.2	
Stacker C1-8	29.0	
Stacker C1-7	28.5	
Stacker C1-6	28.3	
Stacker C1-5	28.4	
Stacker C1-18	28.7	
Stacker C1-15	29.3	
Motor C1-7	29.8	
Motor C1-8	30.1	
Motor C1-9	30.6	
Motor C1-10	30.5	
Motor C1-11	30.9	
Motor C1-12	31.1	
Motor C1-13	32.2	
Motor C1-14	32.3	
Motor C1-15	31.7	
Motor C1-16	31.3	

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**10950 Washington (NFL Networks Parking)
Assessed contribution level - Stacker - Leq (1-Hr) 111218**

9

Source	Ld dB(A)	
Motor C1-1	31.6	
Motor C1-2	31.5	
Motor C1-3	32.1	
Motor C1-4	32.4	
Motor C1-5	32.1	
Motor C1-6	31.0	
Motor C1-18	29.6	
Motor C1-17	30.4	
Stacker C2-17	29.1	
Stacker C2-16	28.9	
Stacker C2-14	29.2	
Stacker C2-13	29.7	
Stacker C2-12	30.3	
Stacker C2-11	30.8	
Stacker C2-10	31.6	
Stacker C2-9	31.9	
Stacker C2-1	30.6	
Stacker C2-2	30.6	
Stacker C2-3	30.7	
Stacker C2-4	30.9	
Stacker C2-8	31.4	
Stacker C2-7	30.9	
Stacker C2-6	30.8	
Stacker C2-5	31.1	
Stacker C2-18	29.1	
Stacker C2-15	28.9	
Motor C1-7	29.8	
Motor C1-8	30.1	
Motor C1-9	30.6	
Motor C1-10	30.5	
Motor C1-11	30.9	
Motor C1-12	31.1	
Motor C1-13	32.2	
Motor C1-14	32.3	
Motor C1-15	31.7	
Motor C1-16	31.3	
Motor C1-1	31.6	
Motor C1-2	31.5	
Motor C1-3	32.1	
Motor C1-4	32.4	
Motor C1-5	32.1	

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Source	Ld dB(A)	
Motor C1-6	31.0	
Motor C1-18	29.6	
Motor C1-17	30.4	

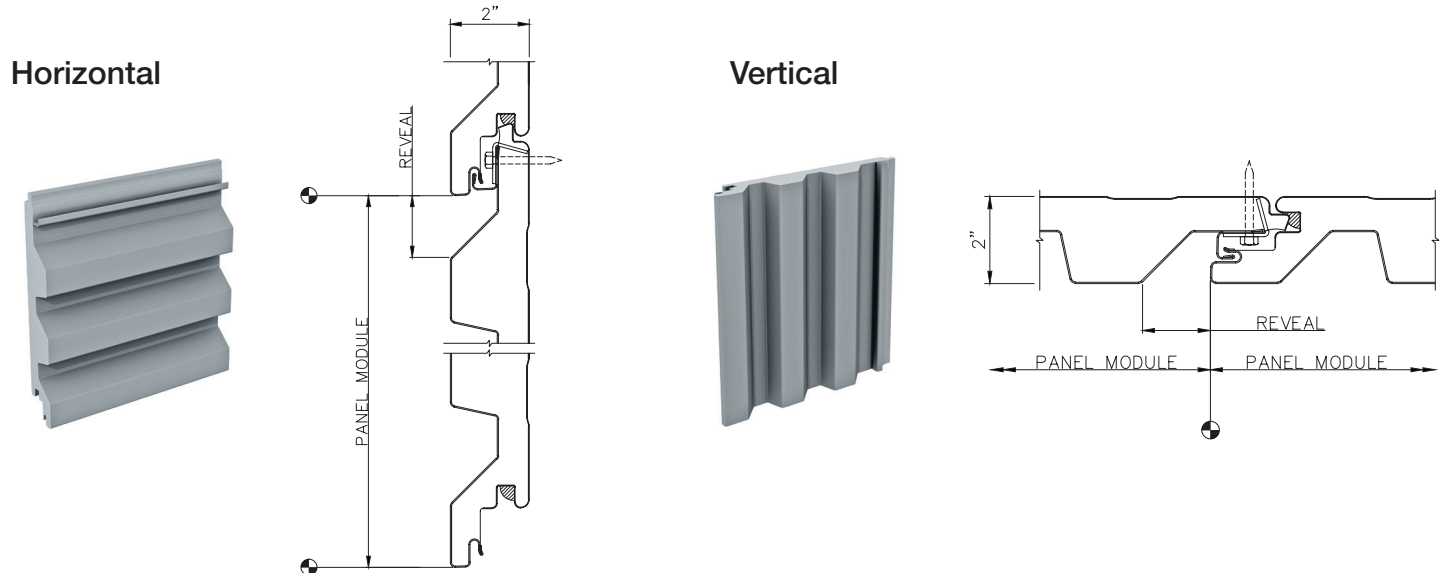
	AES 22801 Crespi St Woodland Hills, CA 91364 USA	81
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Appendix C

Insulated Metal Panel: Manufacturer Cut Sheet and Acoustic Test Report

Description

The Formawall Dimension Series DS-60 2" profile panel provides an interesting aesthetic variation to the wall elevation, along with maximum thermal performance and moisture control in a single component. Engineered to provide the highest levels of creative flexibility and combinations, the DS-60 panels can be integrated as feature bands with 2" Formawall Dimension Series flat panels or as a stand-alone profile wall system.



General Design Options*

	G-90 GALVANIZED	304 STAINLESS STEEL
PANEL THICKNESS	2"	2"
PANEL MODULE	12"	12"
PANEL CORE	Foamed-in-place polyisocyanurate (PIR)	Foamed-in-place polyisocyanurate (PIR)
THERMAL PROPERTIES PER ASTM C1363 ¹	R-10 U = .104	R-10 U = .104
END JOINT	5/8" Insulated Metal Vertical Joint (IMV) (Optional: 1", 2", 3" IMV or 5/8" Gasket)	5/8" Insulated Metal Vertical Joint (IMV) (Optional: 1", 2", 3" IMV or 5/8" Gasket)
SIDE JOINT REVEAL	2 1/4"	2 1/4"
STANDARD PANEL LENGTHS ²	Embossed: 4' - 37' Smooth: 4' - 37'	Embossed: 6' - 16' Smooth: 6' - 16'
STANDARD EXTERIOR FACE & GAGE	22 ga. Embossed, Flat	22 ga. Embossed, Flat
Optional Exterior Face & Gage	22 ga. Smooth, Flat	22 ga. #4 Brushed
STANDARD INTERIOR LINER & GAGE ³	22 ga. Embossed, Flat	22 ga. Embossed, Flat
Optional Interior Liner & Gage	20 ga. Embossed, Flat	20 ga. Embossed, Flat
WEIGHTS	22/26 ga. = 3.35 lbs/sq. ft. 22/22 ga. = 3.85 lbs/sq. ft.	22/26 ga. = 3.74 lbs/sq. ft. 22/22 ga. = 4.30 lbs/sq. ft.

1. Based on ASTM C1363 testing, flat panels with 1/2" reveals
2. Shorter panel lengths available upon request; consult CENTRIA
3. Regardless of exterior face substrate, interior liners are always constructed of Galvanized (G90) material

*NOTES

- A. Maximum support spacing and panel length may be limited for medium and dark colors due to thermal stress, consult CENTRIA
- B. For information on special applications, contact your local CENTRIA Sales Representative

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WALLACE CLEMENT SABINE

REPORT

FOR: H. H. Robertson Company

Sound Transmission Loss

ON: Formawall Panel
30 FW 1000V-22/26 GaugeTest RAL™-TL92-248Page 1 of 3

CONDUCTED: 28 July 1992

TEST METHOD

Unless otherwise designated, the measurements reported below were made with all facilities and procedures in explicit conformity with the ASTM Designations E90-90 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. The microphone used was a Bruel & Kjaer serial number 792729.

DESCRIPTION OF THE SPECIMEN

The test specimen was designated by the manufacturer as a model No. 30 FW 1000V-22/26 gauge Formawall Panel. The dimensions of the specimen as measured were 1.22 m (48 in.) wide by 2.44 m (96 in.) high and 51 mm (2 in.) thick. The specimen consisted of two units. Each unit as measured was nominally 61 cm (24 in.) wide by 2.4 m (96 in.) high and 51 mm (2 in.) thick. The specimen was placed directly in the 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 of the specimen was as follows: A nominal 51 mm (2.0 in.) thick layer of FI-1 foam core was sandwiched between a 22 gauge steel face and a 26 gauge liner element. The fascia female joint and the liner female joint were both caulked with sealant. Both sections contained opposing male and female lips for assembling the panels that allowed both units to join together and form a single test specimen. A visual inspection verified the manufacturer's description of the specimen. The weight of specimen as measured was 33.3 kg (73.5 lbs) an average of 11.2 kg/m^2 (2.3 lbs/ft^2). The transmission area used in the calculations was 2.97 m^2 (32 ft^2). The source and receiving room temperatures at the time of the test were 23°C ($74\pm 2^\circ\text{F}$) and $55\pm 2\%$ relative humidity.

THE RESULTS REPORTED ABOVE APPLY ONLY TO THE SPECIFIC SAMPLE SUBMITTED FOR MEASUREMENT. NO RESPONSIBILITY IS ASSUMED FOR PERFORMANCE OF ANY OTHER SPECIMEN.



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REPORT

H. H. Robertson Company

RAL™-TL92-248

28 July 1992

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 are within the limits set by the ASTM Standard E90-90.

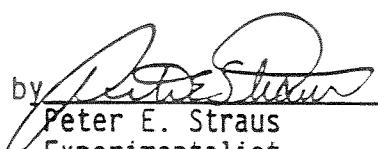
<u>FREQ.</u>	<u>T.L.</u>	<u>C.L.</u>	<u>DEF.</u>	<u>FREQ.</u>	<u>T.L.</u>	<u>C.L.</u>	<u>DEF.</u>
100	26	0.35	0	800	27	0.36	0
125	22	0.34	0	1000	27	0.31	0
160	16	0.29	0	1250	20	0.28	7
200	18	0.44	0	1600	19	0.22	8
250	22	0.39	0	2000	33	0.18	0
315	22	0.41	0	2500	39	0.16	0
400	24	0.43	0	3150	40	0.13	0
500	25	0.29	0	4000	48	0.12	0
630	27	0.30	0	5000	50	0.08	0

STC - 23

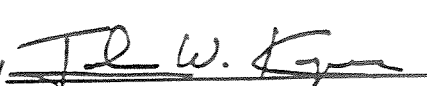
ABBREVIATION INDEX

FREQ. - FREQUENCY, HERTZ, (cps)
T.L. - TRANSMISSION LOSS, dB
C.L. - UNCERTAINTY IN dB, FOR A 95% CONFIDENCE LIMIT
DEF. - DEFICIENCIES, dB<STC CONTOUR
STC - SOUND TRANSMISSION CLASS

Tested &
Reviewed by


Peter E. Straus
Experimentalist

Submitted by


John W. Kopec
Supervisor, Riverbank
Acoustical Laboratories

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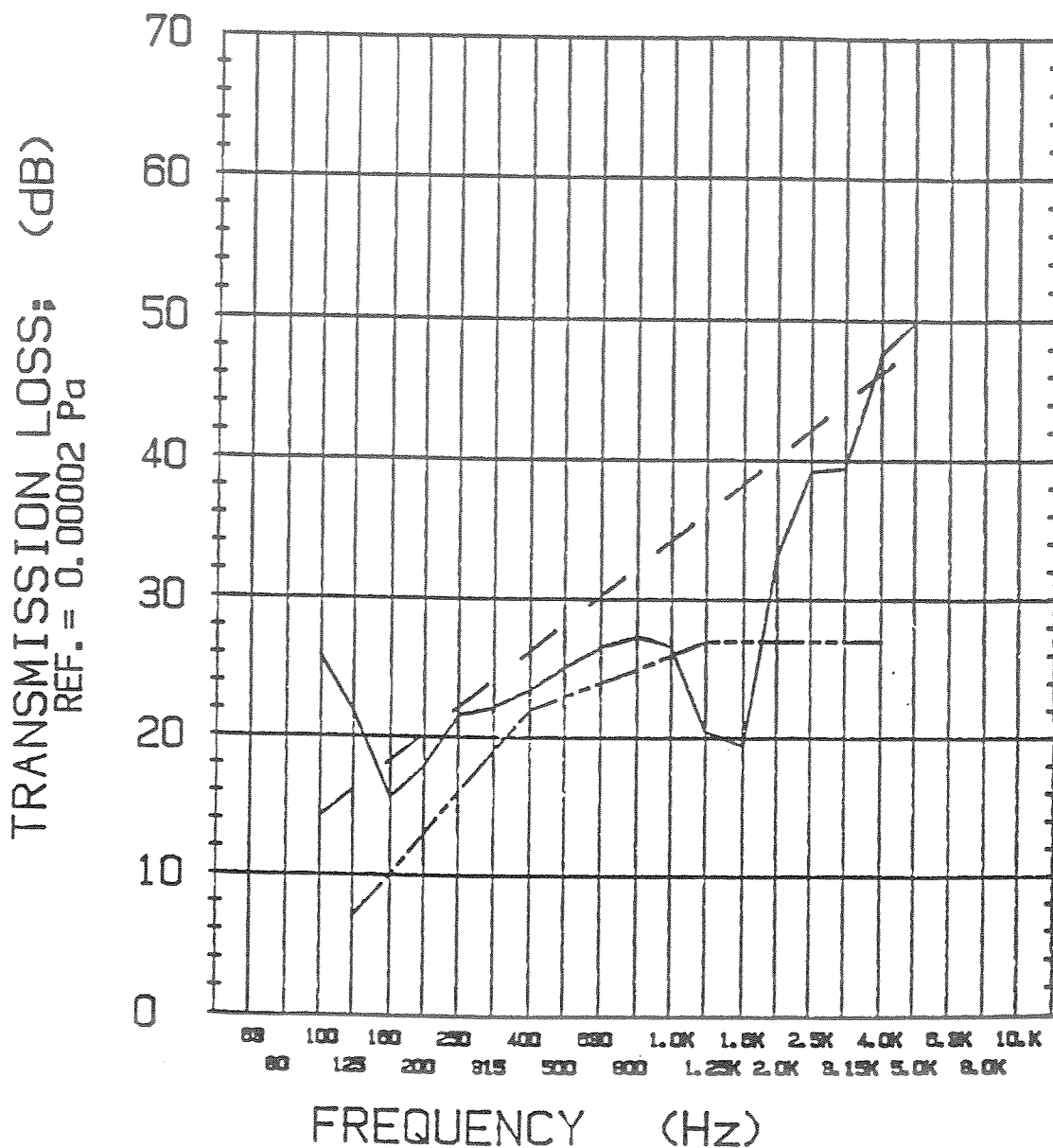
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REPORT

TRANSMISSION LOSS REPORT

RAL-TL92-248 Page 3 of 3



- TRANSMISSION LOSS
- SOUND TRANSMISSION CLASS CONTOUR
- - MASS LAW CONTOUR

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FOR: H. H. Robertson Company

Page 1 of 1

ON: Additional Frequencies on RAL™-TL92-247 and 248.

CONDUCTED: 27 - 28 July 1992

As requested by the client, transmission loss (TL) values were calculated at additional test frequencies. Although the measurements were made in accordance with the procedures described in ASTM E90-90, they do not qualify as part of the standard. Since the results are representative of the test environment only, they are unofficial and intended for research and development guidelines rather than for commercial purposes. The transmission loss values at the additional frequencies were as follows:

Transmission Loss (TL)

<u>Frequency</u>	<u>RAL™-TL92-247</u>	<u>RAL™-TL92-248</u>
63	17	18
80	20	21