



AMERICAN
UNIVERSITY

W A S H I N G T O N , D C

Jacobs Field
Quarterly Sound Monitoring
Report

December 2023 – February 2024



Jacobs Field Audio Equipment and Sound Measurement Standard Operating Protocol and Procedure Checklist

Created Date: 5/10/23, Last Revision: 10/24/23

Audio Equipment			
	Yes	No	Notes
Approved audio equipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ONLY the approved equipment located in the cabinet stored at Jacobs Field shall be used.
Approved laptop in place and connected directly to designated mixer port?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ONLY laptop labelled "Approved for Use at Jacobs Field" may be used.
Speakers placed and facing proper direction?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All speakers shall face directly away from the adjacent property ONLY and be placed at ground level per diagram.
Mixer channels set to marked levels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Knobs shall not be turned past the red markings for each input.
No external sources of amplified sound?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All sources of amplified sound shall ONLY be connected to the mixer.
Digital signal processor power on?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Amplified sound shall ONLY be used when DSP is powered on.
Meter			
	Yes	No	Notes
Compliant meter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ONLY NOR139 model meter shall be used.
Approved location?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Meter shall be in approved location for the entire monitoring period and mounted on a tripod at a height of approximately 5 feet.
Battery check completed and meter clock synced to time source?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Battery type: internal <input type="checkbox"/> external <input checked="" type="checkbox"/> NOTE: If battery low, replace prior to taking of measurements. Time source (e.g. phone, watch, etc...): <u>Brian's iPhone</u>
Calibration completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Date and Time of Calibration: <u>2/9/24, 4:34 pm</u> Sensitivity Settings: <u>-28.7</u>
Meter setup complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Time weighting = Slow , Frequency weighting = A
Windscreen on?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Windscreen must be on prior to taking readings.
Wind speed and direction noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Wind speed: <u>5 mph</u> Wind direction: <u>N</u>



AMERICAN UNIVERSITY

WASHINGTON, DC

Measurements																							
	Yes	No																					
Date and type of event noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Date: <u>2/10/24</u> Event type: <u>W. Lacrosse vs. Georgetown</u>																				
Name of operator noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Name: <u>Brian Chepulis</u>																				
Pregame startup test completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<table border="1"> <thead> <tr> <th>Source</th> <th>Average (dBA)</th> <th>Maximum (slow)</th> <th>Duration (secs)</th> </tr> </thead> <tbody> <tr> <td>Music</td> <td>65.9</td> <td>72.1</td> <td>27</td> </tr> <tr> <td>PA</td> <td>60.4</td> <td>71.3</td> <td>19</td> </tr> <tr> <td>Shot Clock</td> <td>59.5</td> <td>72.2</td> <td>11</td> </tr> <tr> <td>Horn</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Source	Average (dBA)	Maximum (slow)	Duration (secs)	Music	65.9	72.1	27	PA	60.4	71.3	19	Shot Clock	59.5	72.2	11	Horn			
			Source	Average (dBA)	Maximum (slow)	Duration (secs)																	
			Music	65.9	72.1	27																	
			PA	60.4	71.3	19																	
Shot Clock	59.5	72.2	11																				
Horn																							
National Anthem start and end times noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Start time: <u>10:59 am</u> End time: <u>11:01 am</u>																				
Team introductions start and end times noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Start time: <u>10:54 am</u> End time: <u>10:58 am</u>																				
End time of each quarter noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Q1 end time: <u>11:28 am</u> Other: _____ Q2 end time: <u>12:05 pm</u> Q3 end time: <u>12:41 pm</u> Q4 end time: <u>1:17 pm</u>																				
Post-event battery voltage noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Voltage: <u>12.11 v</u>																				
Meter data and raw data saved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	File name for measurements: <u>240210</u>																				
Summary report generated and saved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>																					

Notes (e.g., reasons for answering "No" to any above, problems encountered, corrections needed, etc...):

NOTE: THE BELOW SHALL BE SIGNED AND DATED AFTER THE CHECKLIST HAS BEEN FULLY COMPLETED. AN ELECTRONIC COPY OF THIS CHECKLIST SHALL BE SAVED TO FILE.

Signature: Brian Chepulis Date: 2/11/24

4710 Woodway Lane NW Residence ↑

MONITORING LOCATION → ★

Jacobs Field
Reference
Diagram 5/10/23

Horn Speaker

Bench Podium Bench

ASPHALT PATH

All speakers to be placed at ground level.

SCOREBOARD

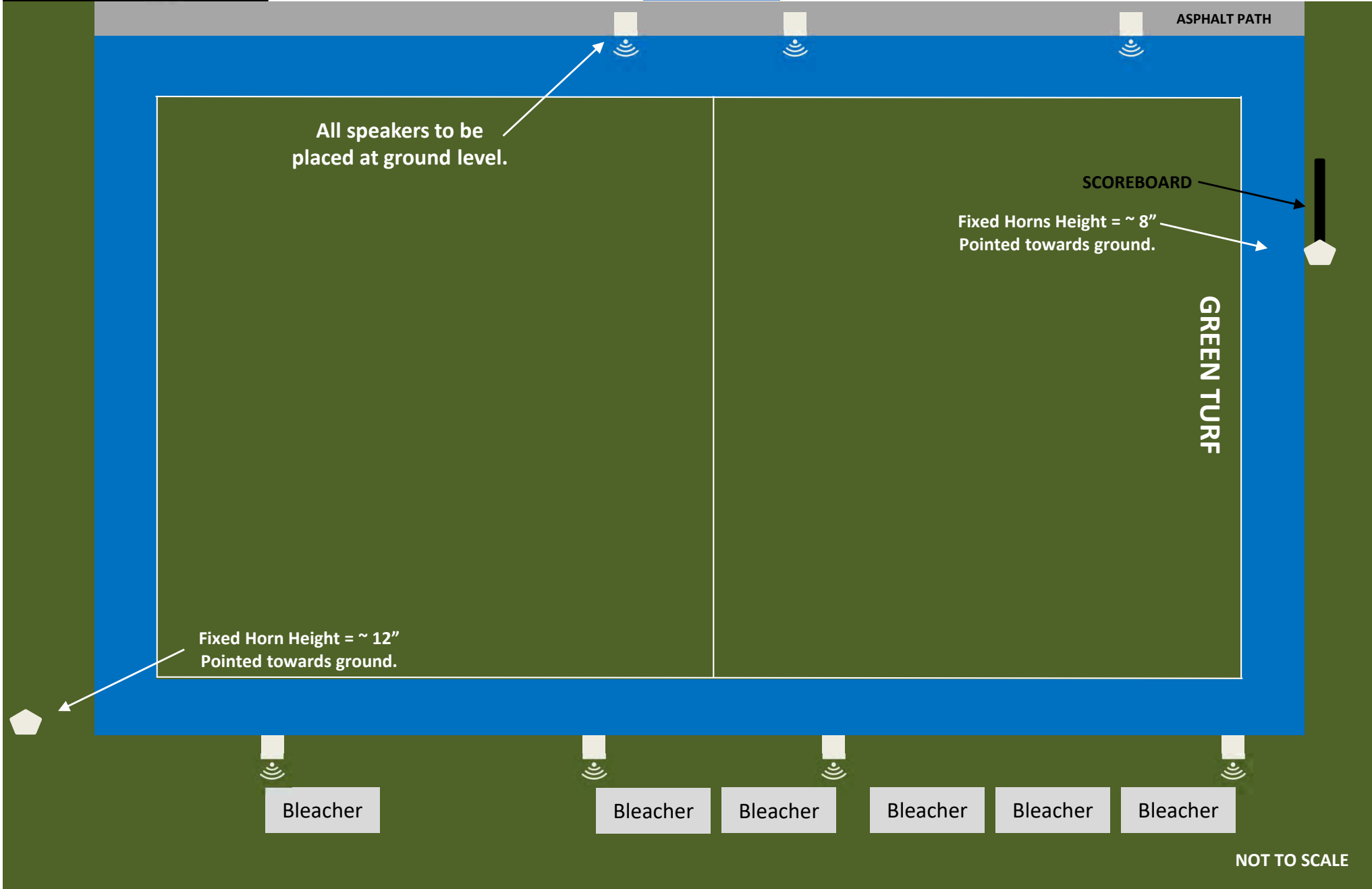
Fixed Horns Height = ~ 8"
Pointed towards ground.

GREEN TURF

Fixed Horn Height = ~ 12"
Pointed towards ground.

Bleacher Bleacher Bleacher Bleacher Bleacher

NOT TO SCALE



Directory:

C:\Users\cheputis\AppData\Local\Temp\Norsonic\Downloaded Measurements\NOR139_FILE\240210

File version v1.0/6.1.1.51

File 240210 WLAX vs Georgetown	Date 2/10/24	Duration	Status	LAeq	LAFmax	LASmax	LAFmin	LASmin	LAF,Perc2	LAF,Perc3	LAF,Perc4	LAF,Perc5	LAF,Perc6	LAF,Perc7	LAF,Perc8	
NOR139_7984499_240210_0001.NBF	(2024/02/10 10:34:59.00)	(0:0:27.0)	Anthem	N/A	65.9	78.2	72.1	43	49.6	74.5	71.5	69.6	62.7	48.2	45.7	43.8
NOR139_7984499_240210_0002.NBF	(2024/02/10 10:36:29.00)	(0:0:19.0)	PA	N/A	60.4	77.8	71.3	44.5	50.5	76.2	63.4	59.7	53	48.2	46.4	44.7
NOR139_7984499_240210_0003.NBF	(2024/02/10 10:37:08.00)	(0:0:11.0)	Horn	N/A	59.5	64.7	72.2	42.1	53.4	64.6	64.1	63.8	53.3	43	42.7	42.3
NOR139_7984499_240210_0004.NBF	(2024/02/10 11:47:38.00)	(0:2:21.0)		N/A	64.9	76.4	72.8	43.8	49.2	74.2	71.9	70	56.7	49.3	47.9	46.2
NOR139_7984499_240210_0005.NBF	(2024/02/10 11:50:02.00)	(0:4:57.0)		N/A	68.4	85.8	83.6	44.3	46.7	81.1	75.2	71.6	55.3	49.9	48.9	46.6
NOR139_7984499_240210_0006.NBF	(2024/02/10 11:55:02.00)	(0:4:57.0)		N/A	75.5	90.1	86.5	45	52	85.9	83	79.9	68.5	59.9	57.7	49.8
NOR139_7984499_240210_0007.NBF	(2024/02/10 12:00:02.00)	(0:4:57.0)		N/A	74.2	95.9	93.4	40.2	40.9	85.2	76.6	74.5	64.2	55	51.5	40.8
NOR139_7984499_240210_0008.NBF	(2024/02/10 12:05:02.00)	(0:4:57.0)		N/A	73.9	89.3	85.4	49.2	58.7	83.2	80.3	77.8	69.4	59.8	57.8	54
NOR139_7984499_240210_0009.NBF	(2024/02/10 12:10:02.00)	(0:4:57.0)		N/A	70.3	85.7	80.3	45.2	48.3	80.6	76.5	74.3	65.1	50.1	48.9	47.5
NOR139_7984499_240210_0010.NBF	(2024/02/10 12:15:02.00)	(0:4:57.0)		N/A	73.1	91.9	87.3	45.5	49.2	86	78.6	75.1	65.2	54.6	52.4	48.8
NOR139_7984499_240210_0011.NBF	(2024/02/10 12:20:02.00)	(0:4:57.0)		N/A	78.1	95.9	92.5	46.9	56.5	91.5	83.7	80	67.9	58.7	56.6	52.2
NOR139_7984499_240210_0012.NBF	(2024/02/10 12:25:01.00)	(0:4:58.0)		N/A	70.6	87.4	84.3	44.9	48.2	81.6	76.5	73.5	65.3	53.7	51.3	47.7
NOR139_7984499_240210_0013.NBF	(2024/02/10 12:30:01.00)	(0:4:58.0)		N/A	73.3	89.9	87.3	44.2	46.2	84.6	80.2	77.1	61.9	49.5	47.5	45.6
NOR139_7984499_240210_0014.NBF	(2024/02/10 12:35:02.00)	(0:4:57.0)		N/A	75.4	91.6	88.3	46.7	55.8	88	82.1	79.1	67	58.5	56.3	51.5
NOR139_7984499_240210_0015.NBF	(2024/02/10 12:40:01.00)	(0:4:58.0)		N/A	67.9	80.2	77.9	41.9	42.9	77.5	74.1	72.3	63	45	44.1	43
NOR139_7984499_240210_0016.NBF	(2024/02/10 12:45:02.00)	(0:4:57.0)		N/A	69	85.1	83.1	44.6	46.9	80.6	74.9	72.4	63.8	53	49.8	46.8
NOR139_7984499_240210_0017.NBF	(2024/02/10 12:50:02.00)	(0:4:57.0)		N/A	72.8	90.4	86	43.2	50.2	84.8	78.3	75.7	66.1	56.8	53.9	49.4
NOR139_7984499_240210_0018.NBF	(2024/02/10 12:55:02.00)	(0:4:57.0)		N/A	73.7	91.1	88.1	46.2	54.8	85.6	79.9	76.7	66.8	56.8	54.2	49.8
NOR139_7984499_240210_0019.NBF	(2024/02/10 13:00:02.00)	(0:4:57.0)		N/A	69.6	82.3	78.9	42.2	53.6	78.9	75.4	73.5	65.8	56.8	54.7	50.6
NOR139_7984499_240210_0020.NBF	(2024/02/10 13:05:02.00)	(0:4:57.0)		N/A	64.4	78.5	74.5	43.9	45.5	73.2	70.7	68.8	59.3	46.8	46	45
NOR139_7984499_240210_0021.NBF	(2024/02/10 13:10:02.00)	(0:4:57.0)		N/A	53.3	76.5	71.2	42.7	44.3	63.3	56.7	53.6	48.3	45.6	45	44
NOR139_7984499_240210_0022.NBF	(2024/02/10 13:15:02.00)	(0:4:57.0)		N/A	74.8	91	89.3	46.4	51.8	86.1	81.3	78.5	66.5	55.1	52.4	50
NOR139_7984499_240210_0023.NBF	(2024/02/10 13:20:01.00)	(0:4:58.0)		N/A	70.6	85.6	83.6	41.7	46.3	81.1	76.9	74.5	64.7	54.1	50.8	44
NOR139_7984499_240210_0024.NBF	(2024/02/10 13:25:02.00)	(0:4:57.0)		N/A	70.3	88.4	84.5	43.5	45.2	80.5	75.9	73.4	65.5	52	49	45.4
NOR139_7984499_240210_0025.NBF	(2024/02/10 13:30:02.00)	(0:4:57.0)		N/A	72.8	91.6	89.1	44.7	49	85.4	77.5	74.1	63.6	51.9	50.2	47.5
NOR139_7984499_240210_0026.NBF	(2024/02/10 13:35:01.00)	(0:4:58.0)		N/A	72.4	86	82.5	45.3	55.1	80.6	78.3	76.5	68.8	58.2	55.6	51.8
NOR139_7984499_240210_0027.NBF	(2024/02/10 13:40:02.00)	(0:4:57.0)		N/A	69.5	85.6	82.9	45.1	46.9	81.2	75.3	72.5	63.6	49.7	48	46.5
NOR139_7984499_240210_0028.NBF	(2024/02/10 13:45:02.00)	(0:4:57.0)		N/A	76.1	96.6	92.8	47	55.8	87.6	81.6	77.8	68.3	58.1	55.6	50.9
NOR139_7984499_240210_0029.NBF	(2024/02/10 13:50:02.00)	(0:4:57.0)		N/A	73.6	89.8	87.6	44.6	50.8	83.3	79.8	77.2	68.1	57	54.3	48.9
NOR139_7984499_240210_0030.NBF	(2024/02/10 13:55:02.00)	(0:4:57.0)		N/A	69	87.2	83	43.2	45.5	78.8	74.6	72.7	63.3	48.3	46.8	45.1
NOR139_7984499_240210_0031.NBF	(2024/02/10 14:00:02.00)	(0:4:57.0)		N/A	76.7	92.1	88.9	44.7	56.3	87.6	83.5	80.8	69.7	58	55	49.3
NOR139_7984499_240210_0032.NBF	(2024/02/10 14:05:02.00)	(0:4:57.0)		N/A	76.2	92.7	89.7	46.3	53.1	87.8	83.2	79.7	68.5	58.2	54.7	50
NOR139_7984499_240210_0033.NBF	(2024/02/10 14:10:02.00)	(0:4:57.0)		N/A	68.1	86.3	79.8	44.6	46.2	78.1	74.2	71.9	62.7	49.8	47.3	45.8
NOR139_7984499_240210_0034.NBF	(2024/02/10 14:15:01.00)	(0:4:58.0)		N/A	71.8	87.5	85	44.5	49.6	83.4	79.4	76	59.5	50.9	49.5	47.2
NOR139_7984499_240210_0035.NBF	(2024/02/10 14:20:02.00)	(0:4:57.0)		N/A	52.4	67	60.3	45.2	46.2	60.5	57.1	55.2	50.3	47.5	46.9	46
NOR139_7984499_240210_0036.NBF	(2024/02/10 14:25:02.00)	(0:4:57.0)		N/A	55.9	75	71.6	44	44.7	70.2	60.3	56.2	48.4	46	45.5	44.8
NOR139_7984499_240210_0037.NBF	(2024/02/10 14:30:02.00)	(0:4:57.0)		N/A	58.7	77.3	72.2	45.2	48.2	69.1	64.1	61.7	54.8	50	49	47.4
NOR139_7984499_240210_0038.NBF	(2024/02/10 14:35:02.00)	(0:2:9.0)		N/A	51.8	71.4	65.6	44.1	46.4	59.8	56.3	53.6	48.8	46.5	46	45.1



AMERICAN UNIVERSITY

WASHINGTON, DC

Jacobs Field Audio Equipment and Sound Measurement Standard Operating Protocol and Procedure Checklist

Created Date: 5/10/23, Last Revision: 5/10/23

Audio Equipment			
	Yes	No	Notes
Approved audio equipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ONLY the approved equipment located in the cabinet stored at Jacobs Field shall be used.
Approved laptop in place and connected directly to designated mixer port?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ONLY laptop labelled "Approved for Use at Jacobs Field" may be used.
Speakers placed and facing proper direction?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All speakers shall face directly away from the adjacent property ONLY and be placed at ground level per diagram.
Mixer channels set to marked levels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Knobs shall not be turned past the red markings for each input.
No external sources of amplified sound?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All sources of amplified sound shall ONLY be connected to the mixer.
Digital signal processor power on?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Amplified sound shall ONLY be used when DSP is powered on.
Meter			
	Yes	No	Notes
Compliant meter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ONLY NOR139 model meter shall be used.
Approved location?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Meter shall be in approved location for the entire monitoring period and mounted on a tripod at a height of approximately 5 feet.
Battery check completed and meter clock synced to time source?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Battery type: internal external NOTE: If battery low, replace prior to taking of measurements. Time source (e.g. phone, watch, etc...): <u>Brian's iPhone</u>
Calibration completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Date and Time of Calibration: <u>2/15/24</u> Sensitivity Settings: <u>-28.7</u>
Meter setup complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Time weighting = Slow , Frequency weighting = A
Windscreen on?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Windscreen must be on prior to taking readings.
Wind speed and direction noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Wind speed: <u>4 mph</u> Wind direction: <u>NW</u>



AMERICAN UNIVERSITY

WASHINGTON, DC

Measurements																							
	Yes	No																					
Date and type of event noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Date: <u>2/16/24</u> Event type: <u>W. Lacrosse</u>																				
Name of operator noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Name: <u>Angie Rooky</u>																				
Pregame startup test completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<table border="1"> <thead> <tr> <th>Source</th> <th>Average (dBA)</th> <th>Maximum (slow)</th> <th>Duration (secs)</th> </tr> </thead> <tbody> <tr> <td>Music</td> <td>66.5</td> <td>63.8</td> <td>20</td> </tr> <tr> <td>PA</td> <td>63.8</td> <td>72.8</td> <td>18</td> </tr> <tr> <td>Shot Clock</td> <td>64.1</td> <td>70.6</td> <td>12</td> </tr> <tr> <td>Horn</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Source	Average (dBA)	Maximum (slow)	Duration (secs)	Music	66.5	63.8	20	PA	63.8	72.8	18	Shot Clock	64.1	70.6	12	Horn			
			Source	Average (dBA)	Maximum (slow)	Duration (secs)																	
			Music	66.5	63.8	20																	
			PA	63.8	72.8	18																	
Shot Clock	64.1	70.6	12																				
Horn																							
National Anthem start and end times noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Start time: <u>12:56 pm</u> End time: <u>12:59 pm</u>																				
Team introductions start and end times noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Start time: <u>12:54 pm</u> End time: <u>12:56 pm</u>																				
End time of each quarter noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Q1 end time: <u>1:20 pm</u> Other: _____																				
			Q2 end time: <u>1:51 pm</u>																				
			Q3 end time: <u>2:28 pm</u>																				
			Q4 end time: <u>2:51 pm</u>																				
Post-event battery voltage noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Voltage: <u>12.2 v</u>																				
Meter data and raw data saved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	File name for measurements: <u>240216</u>																				
Summary report generated and saved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>																					

Notes (e.g., reasons for answering "No" to any above, problems encountered, corrections needed, etc...):

NOTE: THE BELOW SHALL BE SIGNED AND DATED AFTER THE CHECKLIST HAS BEEN FULLY COMPLETED. AN ELECTRONIC COPY OF THIS CHECKLIST SHALL BE SAVED TO FILE.

Signature: Brian Chepulis Date: 2/17/24

4710 Woodway Lane NW Residence ↑

MONITORING LOCATION → ★

Jacobs Field
Reference
Diagram 5/10/23

Horn Speaker

Bench Podium Bench

ASPHALT PATH

All speakers to be placed at ground level.

SCOREBOARD

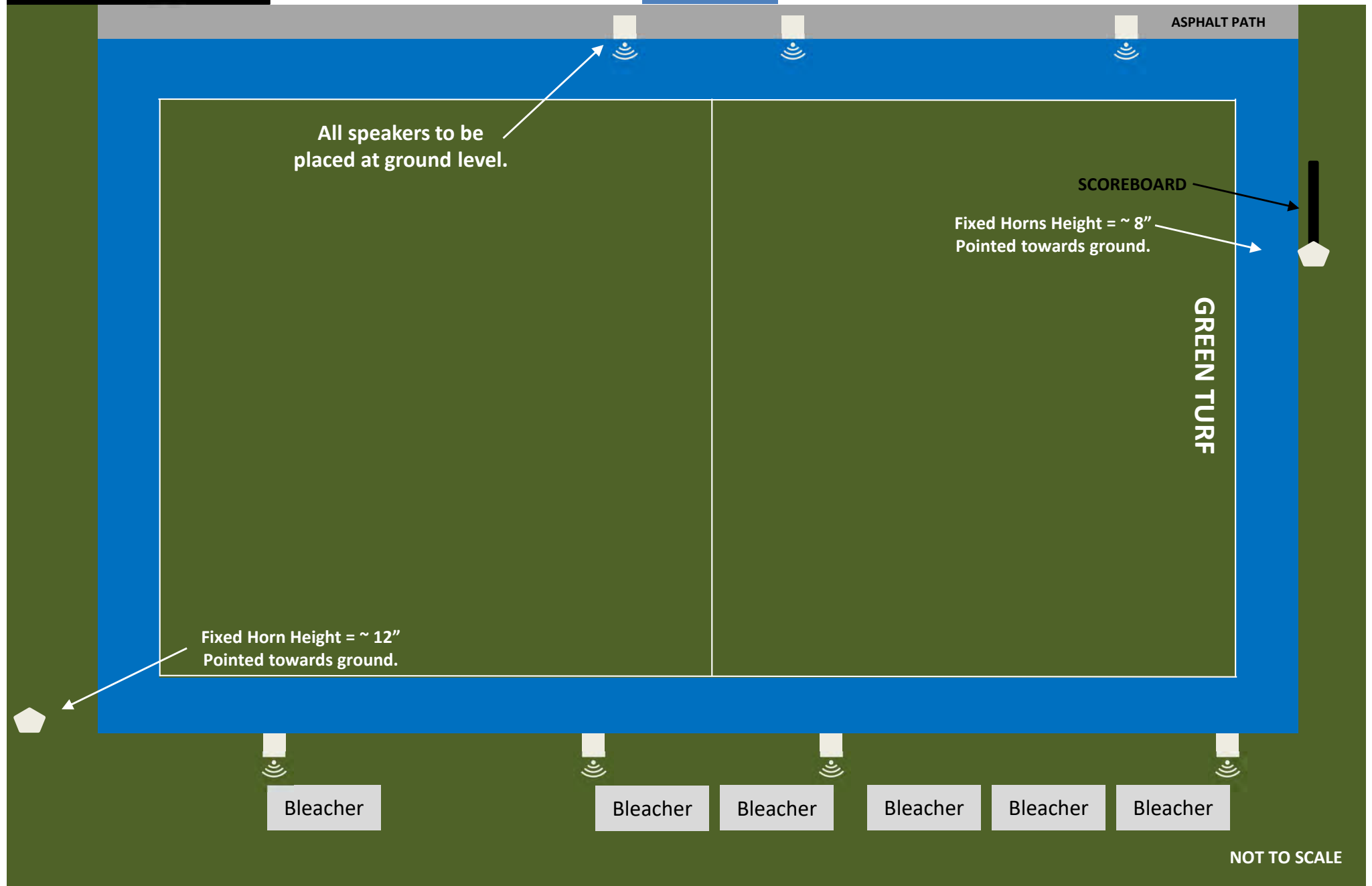
Fixed Horns Height = ~ 8"
Pointed towards ground.

GREEN TURF

Fixed Horn Height = ~ 12"
Pointed towards ground.

Bleacher Bleacher Bleacher Bleacher Bleacher

NOT TO SCALE



Directory:

C:\Users\cheputis\AppData\Local\Temp\Norsonic\Downloaded Measurements\NOR139_7984499\240216 Fileversion v1.0/6.1.1.51

File: 240216 WLAX v Loyola	Date 2.16.24	Duration	Status	LAeq	LAFmax	LASmax	LAFmin	LASmin	LAF,Perc2	LAF,Perc3	LAF,Perc4	LAF,Perc5	LAF,Perc6	LAF,Perc7	LAF,Perc8
NOR139_7984499_240216_0001.NBF	(2024/02/16 12:37:21.00)	(0:0:20.0)	N/A	66.5	82.4	75.8	41.2	45.9	79.4	67.8	66.7	63.4	54.1	49.1	41.8
NOR139_7984499_240216_0002.NBF	(2024/02/16 12:38:10.00)	(0:0:18.0)	N/A	63.8	78.4	72.8	41.6	47.4	77.2	70.6	59.8	50.2	45.7	43.8	41.8
NOR139_7984499_240216_0003.NBF	(2024/02/16 12:39:01.00)	(0:0:12.0)	N/A	64.1	77.3	70.6	37.2	41.5	75.6	68.5	67.6	56.2	38.1	37.7	37.5
NOR139_7984499_240216_0004.NBF	(2024/02/16 13:57:19.00)	(0:1:27.0)	N/A	62.5	77.1	75.2	41.6	44.4	75.5	67.1	61.9	58.4	52.2	46.9	42.6
NOR139_7984499_240216_0005.NBF	(2024/02/16 13:59:37.00)	(0:0:22.0)	N/A	74.5	86.4	84.4	41.2	46	85.6	84.2	77.9	52.1	44.9	43.9	42.4
NOR139_7984499_240216_0006.NBF	(2024/02/16 14:00:01.00)	(0:4:58.0)	N/A	72.5	90.7	87.2	45.4	48.9	84.2	78	75.6	66.5	54.9	52.9	48.8
NOR139_7984499_240216_0007.NBF	(2024/02/16 14:05:01.00)	(0:4:58.0)	N/A	70.9	85.3	81	47.8	57.4	80.7	77.2	74.9	65.8	58.6	56.9	53.5
NOR139_7984499_240216_0008.NBF	(2024/02/16 14:10:02.00)	(0:4:57.0)	N/A	71.7	86.8	84.3	46.3	53.2	81.7	78.5	75.8	66	57.3	54.9	50.8
NOR139_7984499_240216_0009.NBF	(2024/02/16 14:15:02.00)	(0:4:57.0)	N/A	71.7	92.2	89.2	43.9	53.7	83.9	75.7	72.9	65.1	56.8	54.7	49.8
NOR139_7984499_240216_0010.NBF	(2024/02/16 14:20:02.00)	(0:0:44.0)	N/A	69.2	81.5	78.4	49.8	56.8	80.1	75.5	73.7	63.9	57.4	54.8	52.7
NOR139_7984499_240216_0011.NBF	(2024/02/16 14:21:25.00)	(0:3:34.0)	N/A	63.4	77.4	73.8	42.3	46.3	73.6	70.3	67.8	57.9	50	47.2	44.4
NOR139_7984499_240216_0012.NBF	(2024/02/16 14:25:02.00)	(0:4:57.0)	N/A	66.9	84	80.3	41.7	43.9	77.6	73.1	70.2	61	48.8	46.2	43.3
NOR139_7984499_240216_0013.NBF	(2024/02/16 14:30:02.00)	(0:4:57.0)	N/A	67.1	85.2	80.7	41.5	43.3	76.6	72.8	70.7	61.2	51.4	46.5	43.3
NOR139_7984499_240216_0014.NBF	(2024/02/16 14:35:02.00)	(0:4:57.0)	N/A	68.2	83.9	79.3	41.5	44.1	77.7	73.6	71.8	64.5	54.9	52.2	44.7
NOR139_7984499_240216_0015.NBF	(2024/02/16 14:40:02.00)	(0:4:57.0)	N/A	70.6	86.4	82	46.9	55.2	79.9	76.5	74.2	66.7	58.4	55.9	51.6
NOR139_7984499_240216_0016.NBF	(2024/02/16 14:45:02.00)	(0:4:57.0)	N/A	71.4	87.3	84.2	44.4	51.4	83.4	78.2	74.1	63.2	54.1	51.7	48.2
NOR139_7984499_240216_0017.NBF	(2024/02/16 14:50:02.00)	(0:4:57.0)	N/A	65.5	82.5	80.2	40.6	42.2	78	71.9	69	57.1	46.5	44.5	42.4
NOR139_7984499_240216_0018.NBF	(2024/02/16 14:55:01.00)	(0:4:58.0)	N/A	48.9	62.9	59.4	40	42.1	57.8	53.8	52.3	46.3	42.6	42.1	41.2
NOR139_7984499_240216_0019.NBF	(2024/02/16 15:00:02.00)	(0:4:57.0)	N/A	70.5	88	84.8	42.6	44.9	82.2	77.5	73.9	58.9	48.3	46.4	44.8
NOR139_7984499_240216_0020.NBF	(2024/02/16 15:05:02.00)	(0:4:57.0)	N/A	70.1	83.7	80.1	42.8	54.5	80.6	76.6	73.9	64.9	56.8	55	50.1
NOR139_7984499_240216_0021.NBF	(2024/02/16 15:10:02.00)	(0:4:57.0)	N/A	65.7	82.3	77.3	40.4	43.1	76.3	72.2	69.9	59.1	45.8	44.3	42.4
NOR139_7984499_240216_0022.NBF	(2024/02/16 15:15:02.00)	(0:4:57.0)	N/A	71.1	88.1	85.6	42.1	44.6	82.2	76.9	74.4	65.5	51.3	46.5	43.8
NOR139_7984499_240216_0023.NBF	(2024/02/16 15:20:02.00)	(0:4:57.0)	N/A	74.1	88.1	85.1	42.6	44.8	84.1	81.5	79.2	65.9	51.3	48.5	44
NOR139_7984499_240216_0024.NBF	(2024/02/16 15:25:02.00)	(0:4:57.0)	N/A	69.3	86.2	82.4	43	46.6	80.2	76.1	73	60.8	51.3	49.3	45.2
NOR139_7984499_240216_0025.NBF	(2024/02/16 15:30:01.00)	(0:4:58.0)	N/A	66.5	83.5	80.3	41.5	43.6	78.7	73	69.6	56.2	47.1	45.3	43.6
NOR139_7984499_240216_0026.NBF	(2024/02/16 15:35:02.00)	(0:4:57.0)	N/A	68.9	82.9	78.1	42.9	52.1	78.8	74.7	72.8	65.3	57.1	54.5	50.3
NOR139_7984499_240216_0027.NBF	(2024/02/16 15:40:02.00)	(0:4:57.0)	N/A	68.5	84.1	80.2	41.5	42.8	78.7	75	72.7	63	45.7	44.4	42.8
NOR139_7984499_240216_0028.NBF	(2024/02/16 15:45:02.00)	(0:4:57.0)	N/A	73.2	92.5	88.6	47.4	56.8	83.7	78	75.6	68.6	60.2	57.8	53.7
NOR139_7984499_240216_0029.NBF	(2024/02/16 15:50:02.00)	(0:4:57.0)	N/A	64.2	81	75.3	46.5	51.8	74.8	71	68.2	59	52.9	51.7	49.8
NOR139_7984499_240216_0030.NBF	(2024/02/16 15:55:02.00)	(0:4:57.0)	N/A	55.3	72.9	67.8	42	45.1	65	60.6	58.2	52.1	47.2	46	44.5
NOR139_7984499_240216_0031.NBF	(2024/02/16 16:00:02.00)	(0:4:57.0)	N/A	52.9	80.3	72.5	41.7	43.5	60.6	55.5	53.9	48.8	44.7	44	43.2
NOR139_7984499_240216_0032.NBF	(2024/02/16 16:05:02.00)	(0:4:57.0)	N/A	51.1	67.8	60.9	43.4	44.9	60	55.8	53.9	48.5	45.7	45.2	44.5
NOR139_7984499_240216_0033.NBF	(2024/02/16 16:10:01.00)	(0:3:45.0)	N/A	52.7	73.9	66.1	44.6	46.6	59.6	56.6	55.1	50.4	47.4	46.8	45.9



Jacobs Field Audio Equipment and Sound Measurement Standard Operating Protocol and Procedure Checklist

Created Date: 5/10/23, Last Revision: 10/24/23

Audio Equipment			
	Yes	No	Notes
Approved audio equipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ONLY the approved equipment located in the cabinet stored at Jacobs Field shall be used.
Approved laptop in place and connected directly to designated mixer port?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ONLY laptop labelled "Approved for Use at Jacobs Field" may be used.
Speakers placed and facing proper direction?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All speakers shall face directly away from the adjacent property ONLY and be placed at ground level per diagram.
Mixer channels set to marked levels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Knobs shall not be turned past the red markings for each input.
No external sources of amplified sound?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All sources of amplified sound shall ONLY be connected to the mixer.
Digital signal processor power on?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Amplified sound shall ONLY be used when DSP is powered on.
Meter			
	Yes	No	Notes
Compliant meter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ONLY NOR139 model meter shall be used.
Approved location?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Meter shall be in approved location for the entire monitoring period and mounted on a tripod at a height of approximately 5 feet.
Battery check completed and meter clock synced to time source?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Battery type: internal <input type="checkbox"/> external <input checked="" type="checkbox"/> NOTE: If battery low, replace prior to taking of measurements. Time source (e.g. phone, watch, etc...): <u>Brian's iPhone</u>
Calibration completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Date and Time of Calibration: <u>2/22/24, 5:30 pm</u> Sensitivity Settings: <u>-28.7</u>
Meter setup complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Time weighting = Slow , Frequency weighting = A
Windscreen on?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Windscreen must be on prior to taking readings.
Wind speed and direction noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Wind speed: <u>3 mph</u> Wind direction: <u>N</u>



AMERICAN UNIVERSITY

WASHINGTON, DC

Measurements						
	Yes	No				
Date and type of event noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Date: <u>2/24/24</u> Event type: <u>W. Lacrosse vs. UMBA</u>			
Name of operator noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Name: <u>Angela Rookey</u>			
Pregame startup test completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Source	Average (dBA)	Maximum (slow)	Duration (secs)
			Music	66.8	68.8	18
			PA	65.7	74.8	18
			Shot Clock	73.9	79.9	14
Horn						
National Anthem start and end times noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Start time: <u>11:56 am</u> End time: <u>11:59 am</u>			
Team introductions start and end times noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Start time: <u>11:54 am</u> End time: <u>11:56 am</u>			
End time of each quarter noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Q1 end time: <u>12:29 pm</u> Other:			
			Q2 end time: <u>12:59 pm</u>			
			Q3 end time: <u>1:34 pm</u>			
			Q4 end time: <u>2:07 pm</u>			
Post-event battery voltage noted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Voltage: <u>12.6 v</u>			
Meter data and raw data saved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	File name for measurements: <u>2400224</u>			
Summary report generated and saved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>				

Notes (e.g., reasons for answering "No" to any above, problems encountered, corrections needed, etc...):

NOTE: THE BELOW SHALL BE SIGNED AND DATED AFTER THE CHECKLIST HAS BEEN FULLY COMPLETED. AN ELECTRONIC COPY OF THIS CHECKLIST SHALL BE SAVED TO FILE.

Signature: Brian Chepulis Date: 2/25/24

4710 Woodway Lane NW Residence ↑

MONITORING LOCATION → ★

Jacobs Field
Reference
Diagram 5/10/23

Horn Speaker

Bench Podium Bench

ASPHALT PATH

All speakers to be placed at ground level.

SCOREBOARD

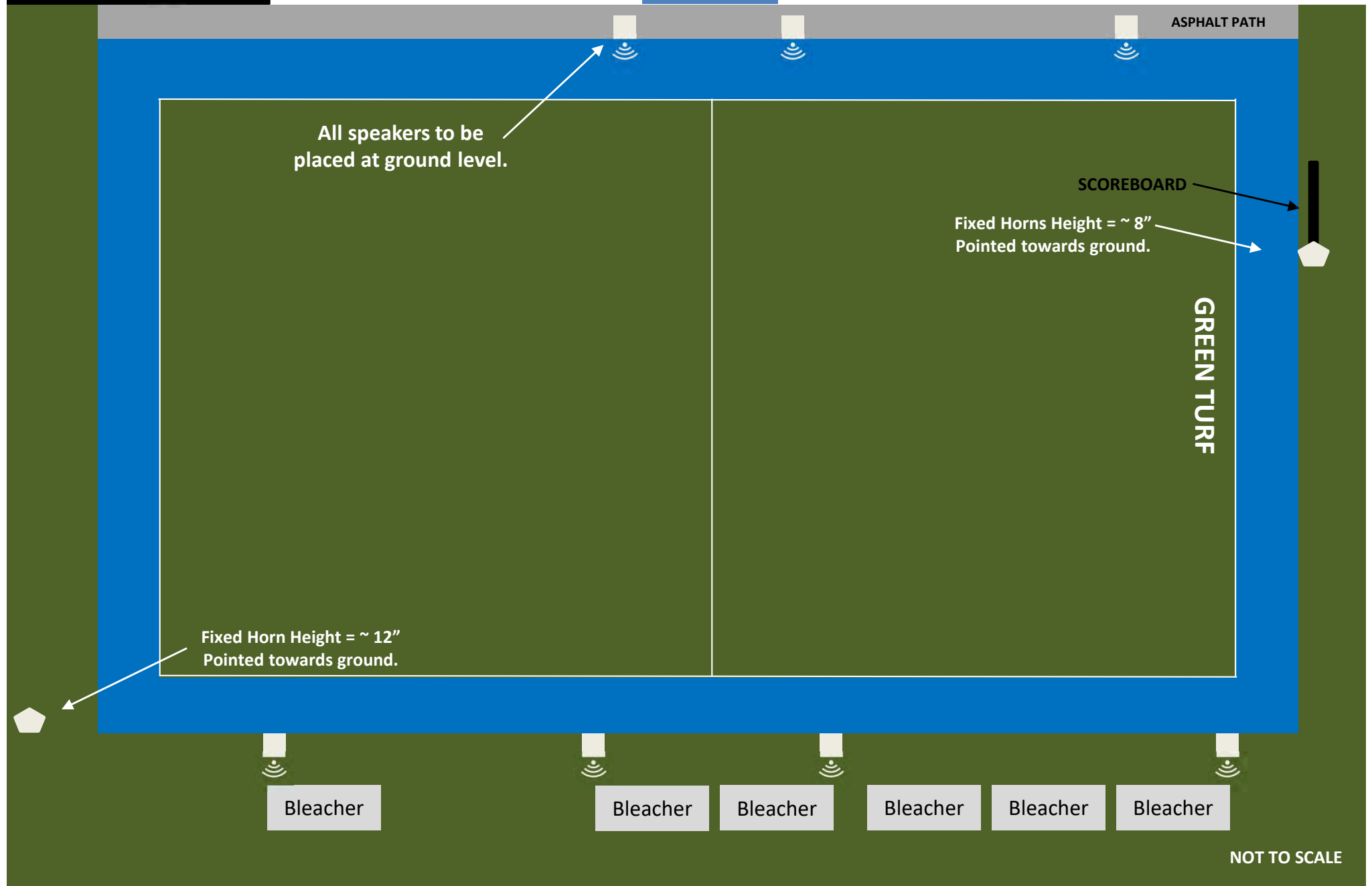
Fixed Horns Height = ~ 8"
Pointed towards ground.

GREEN TURF

Fixed Horn Height = ~ 12"
Pointed towards ground.

Bleacher Bleacher Bleacher Bleacher Bleacher

NOT TO SCALE



Directory:

C:\Users\chepulis\AppData\Local\Temp\Norsonic\Downloaded Measurements\NOR139_7984499\240224

File version v1.0/6.1.1.51

File: 240224 Wlax v. UMBC	Date 2.24.24	Duration	Status	LAeq	LAFmax	LASmax	LAFmin	LASmin	LAF,Perc2	LAF,Perc3	LAF,Perc4	LAF,Perc5	LAF,Perc6	LAF,Perc7	LAF,Perc8	
NOR139_7984499_240224_0001.NBF	(2024/02/24 10:59:16.00)	(0:0:18.0)	Music	N/A	66.8	72.5	68.8	47.9	63.9	71	70.1	69.2	66.6	61.7	56.7	49.6
NOR139_7984499_240224_0002.NBF	(2024/02/24 11:00:00.00)	(0:0:18.0)	PA	N/A	65.7	80.7	74.8	42.4	50.2	80	71.6	63.6	53.3	46.4	44.2	42.8
NOR139_7984499_240224_0003.NBF	(2024/02/24 11:00:36.00)	(0:0:14.0)	Horn	N/A	73.9	86	79.9	42.3	61.3	84.5	80.8	78.2	65.7	53.7	50.6	45.9
NOR139_7984499_240224_0004.NBF	(2024/02/24 11:01:19.00)	(0:0:20.0)		N/A	70.8	84.8	78	39.8	48.7	81.5	77.9	75.6	58.6	42	41.3	40.1
NOR139_7984499_240224_0005.NBF	(2024/02/24 11:02:00.00)	(0:0:12.0)		N/A	63.3	69.3	73.8	43.4	57.8	69	68.2	67.7	58.9	45.2	44.5	43.7
NOR139_7984499_240224_0006.NBF	(2024/02/24 12:57:42.00)	(0:2:5.0)		N/A	61.6	77.1	73.7	42.3	45.9	73	64.8	62.9	59.5	54.3	50.9	43.3
NOR139_7984499_240224_0007.NBF	(2024/02/24 13:00:12.00)	(0:4:47.0)		N/A	71.6	88.2	86.4	44.8	47.8	84	77.3	75	60.5	50.2	49.2	47.4
NOR139_7984499_240224_0008.NBF	(2024/02/24 13:05:02.00)	(0:4:57.0)		N/A	74	90.2	85.8	43.5	46	85.9	80.6	78	64.4	48.4	46.7	45.4
NOR139_7984499_240224_0009.NBF	(2024/02/24 13:10:02.00)	(0:4:57.0)		N/A	73.9	92.5	87.6	43.2	48.5	83.8	79.9	77.5	68.3	55.4	51.2	46.1
NOR139_7984499_240224_0010.NBF	(2024/02/24 13:15:02.00)	(0:4:57.0)		N/A	73	87.4	84	46.1	56.1	83.5	79.2	77.1	67.5	57.9	55.6	51.4
NOR139_7984499_240224_0011.NBF	(2024/02/24 13:20:02.00)	(0:4:57.0)		N/A	69.8	86.6	83.9	43.5	46.3	81	76.3	73.6	61.5	50.5	48.3	45.2
NOR139_7984499_240224_0012.NBF	(2024/02/24 13:25:02.00)	(0:4:57.0)		N/A	73.1	89.4	86.1	42.8	51.5	83.8	79.6	76.7	67.1	56.1	53	47.4
NOR139_7984499_240224_0013.NBF	(2024/02/24 13:30:01.00)	(0:4:58.0)		N/A	68.3	85.5	81	42.9	47	80.5	75.4	71.9	58.3	49.9	48.1	45.8
NOR139_7984499_240224_0014.NBF	(2024/02/24 13:35:01.00)	(0:4:58.0)		N/A	72.2	89.1	85.4	45	51.8	81.7	78.5	76.4	66.5	55.3	51.2	47.5
NOR139_7984499_240224_0015.NBF	(2024/02/24 13:40:02.00)	(0:4:57.0)		N/A	71.9	88.9	86	41	52.6	84.1	77.1	75.2	66	56.3	54	48.9
NOR139_7984499_240224_0016.NBF	(2024/02/24 13:45:01.00)	(0:4:58.0)		N/A	73.6	90.6	87.8	45.9	50.8	86.5	80.5	76.3	62	52.9	51.1	48.9
NOR139_7984499_240224_0017.NBF	(2024/02/24 13:50:01.00)	(0:4:58.0)		N/A	72.3	89.8	87.3	47.6	55.2	84	77.2	74.6	66.5	57.7	55.5	52.9
NOR139_7984499_240224_0018.NBF	(2024/02/24 13:55:02.00)	(0:4:57.0)		N/A	70.2	86.3	81.8	44.4	48.3	81.7	76.7	73.9	63.4	52.6	50.9	47.8
NOR139_7984499_240224_0019.NBF	(2024/02/24 14:00:02.00)	(0:4:57.0)		N/A	52.5	66.5	62.5	41.4	42.6	61.5	58.2	56.3	48.8	44.3	43.7	42.8
NOR139_7984499_240224_0020.NBF	(2024/02/24 14:05:01.00)	(0:4:58.0)		N/A	66.8	84.9	79.9	40.7	42.4	78.7	73.9	70.5	55.6	45.9	44.6	42.4
NOR139_7984499_240224_0021.NBF	(2024/02/24 14:10:02.00)	(0:4:57.0)		N/A	71.3	85.6	81.5	46	53.7	81.7	78	75.6	65.8	55.7	53.4	50.1
NOR139_7984499_240224_0022.NBF	(2024/02/24 14:15:02.00)	(0:4:57.0)		N/A	76.6	89.8	87.2	50.8	57.1	87.4	83.5	80.9	70.1	60.5	57.5	53.3
NOR139_7984499_240224_0023.NBF	(2024/02/24 14:20:01.00)	(0:4:58.0)		N/A	72.8	87.1	85.2	41.9	44.6	84.8	79.6	76.5	64.5	52.6	48.8	44.2
NOR139_7984499_240224_0024.NBF	(2024/02/24 14:25:02.00)	(0:4:57.0)		N/A	71.3	87.2	83.3	45.8	48.5	81.3	77	74.9	67	57.3	54.3	48.3
NOR139_7984499_240224_0025.NBF	(2024/02/24 14:30:02.00)	(0:4:57.0)		N/A	72	87.2	84.1	41.8	51.4	83.3	78.1	75	67.3	56.1	52.9	48.6
NOR139_7984499_240224_0026.NBF	(2024/02/24 14:35:01.00)	(0:4:58.0)		N/A	73.8	88.9	84.5	42.3	50	84.1	80.4	78.4	67.7	54.8	51.2	46.8
NOR139_7984499_240224_0027.NBF	(2024/02/24 14:40:02.00)	(0:4:57.0)		N/A	71.4	86.8	84.5	43.3	44.5	82.3	78.6	75.2	64.2	50.9	46.5	44.2
NOR139_7984499_240224_0028.NBF	(2024/02/24 14:45:02.00)	(0:4:57.0)		N/A	72.9	91.1	85.8	44.2	46.7	85.4	79.7	75.8	63.3	50.1	48.2	46.3
NOR139_7984499_240224_0029.NBF	(2024/02/24 14:50:02.00)	(0:4:57.0)		N/A	73.4	91.7	87.8	44.7	56	84.8	79.1	76.8	66	56.2	54.1	49.1
NOR139_7984499_240224_0030.NBF	(2024/02/24 14:55:02.00)	(0:4:57.0)		N/A	72.5	88.4	86	46.5	54.8	84.1	78.4	75.8	66.7	56.3	54.1	51.3
NOR139_7984499_240224_0031.NBF	(2024/02/24 15:00:02.00)	(0:4:57.0)		N/A	75	91.5	89.1	44.7	48.2	88.4	80.1	77	66.7	55.7	52.7	47.9
NOR139_7984499_240224_0032.NBF	(2024/02/24 15:05:01.00)	(0:4:58.0)		N/A	72.1	88.4	86.6	46.5	48.8	84.7	78.3	74.7	61.7	52.4	50.9	48.4
NOR139_7984499_240224_0033.NBF	(2024/02/24 15:10:02.00)	(0:3:32.0)		N/A	57.4	77.1	72	44.1	46.1	69.7	61.4	58.5	52.2	48.4	47.3	45.4