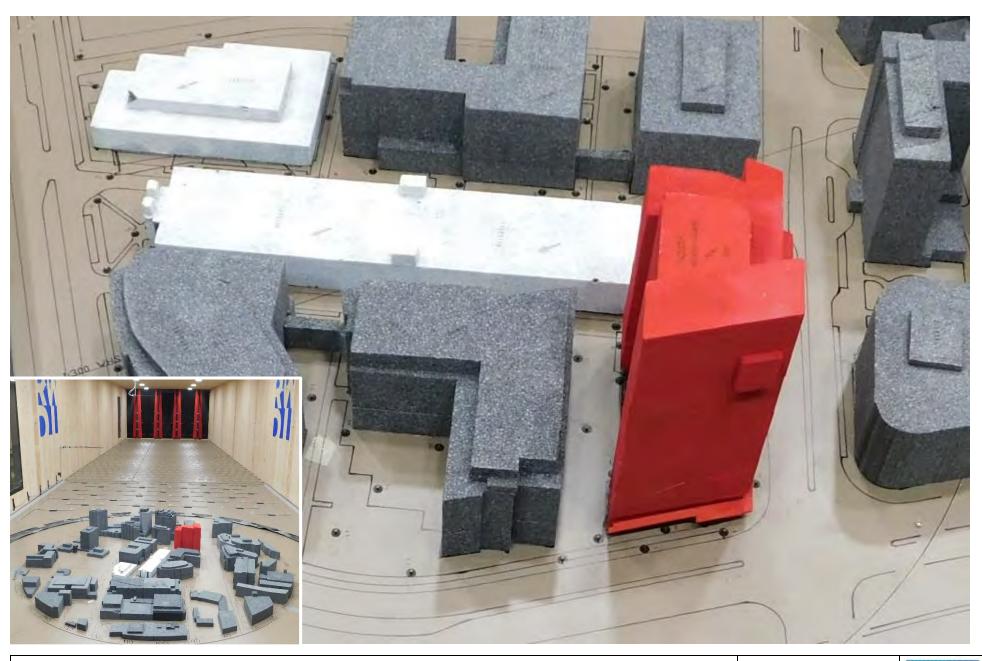
EXHIBITS



Wind Tunnel Study Model 145 Broadway

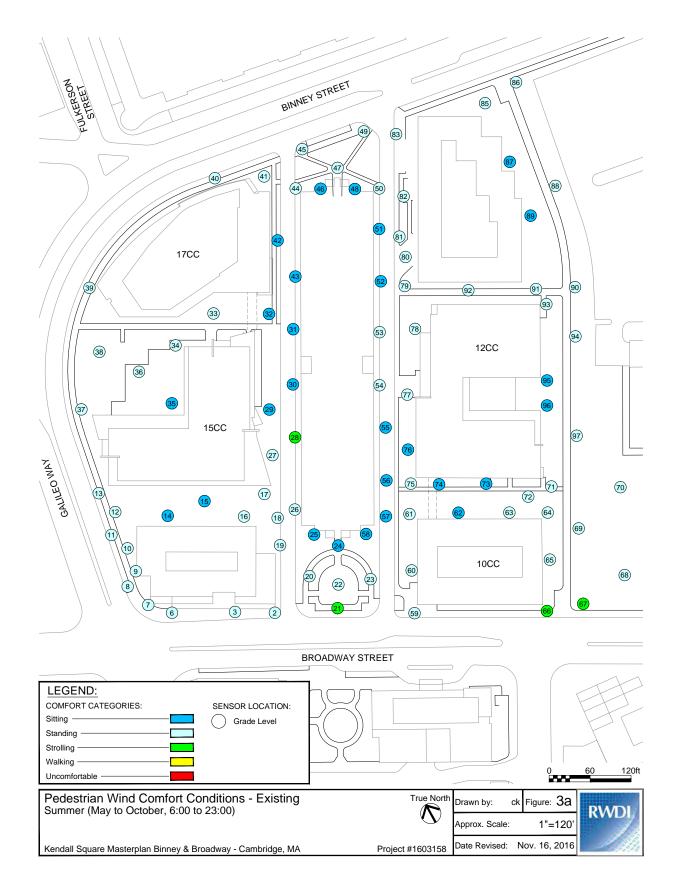
Kendall Square Masterplan – Cambridge, MA

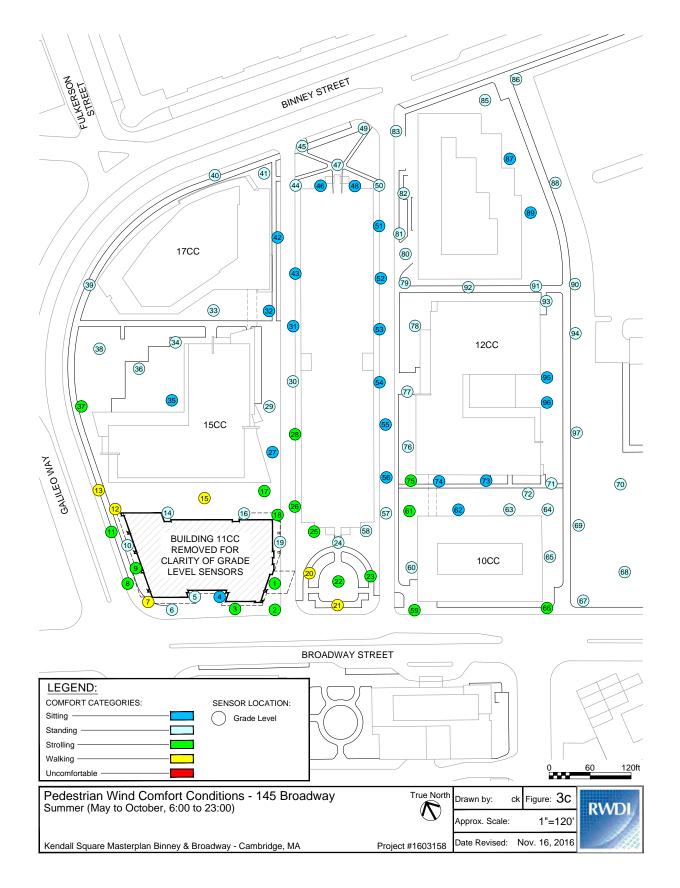
Figure No. 1c

Project #1603158 Date: November 16, 2016

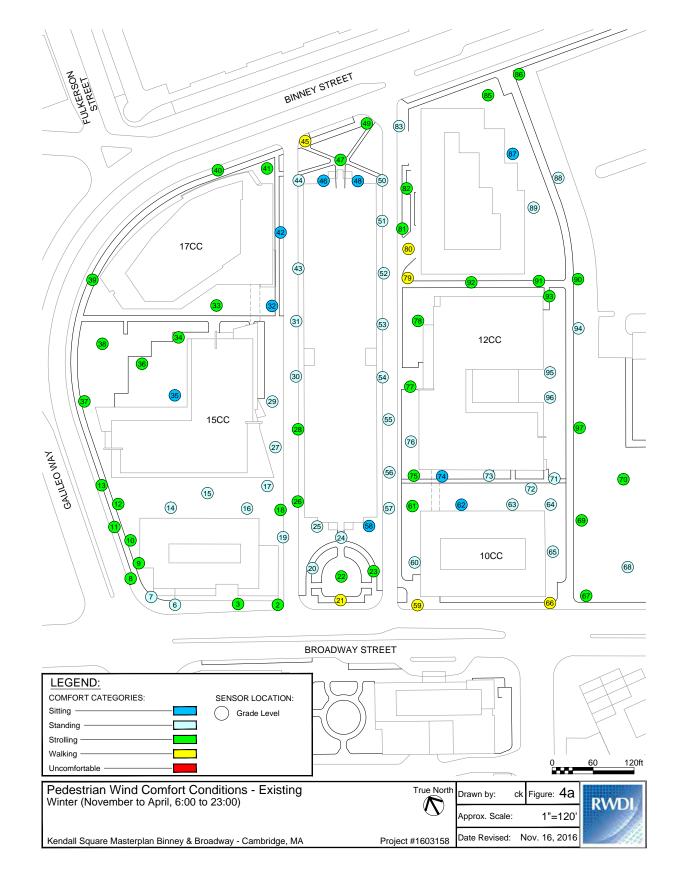
RWDI

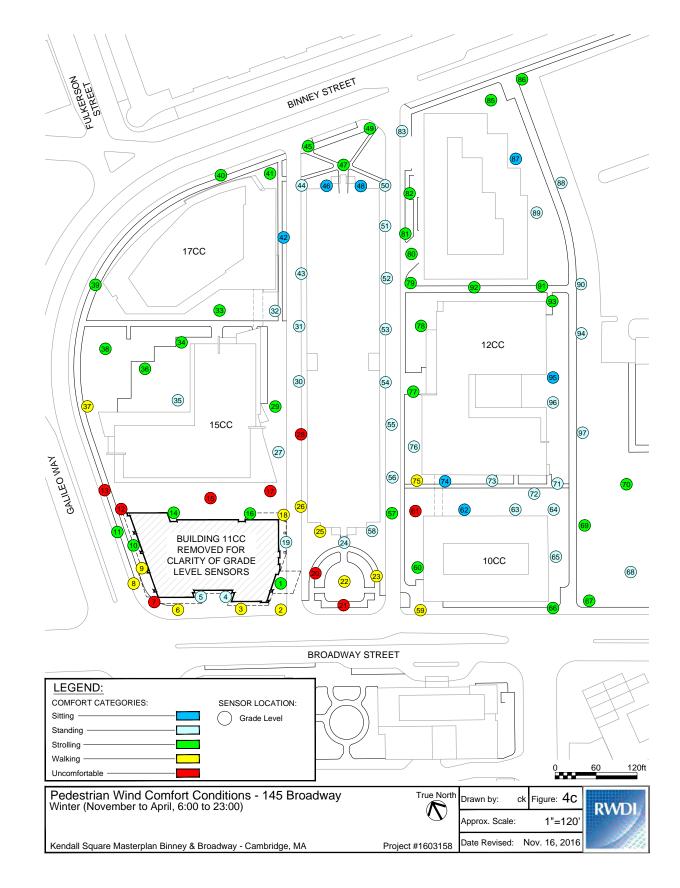
R4.2 PEDESTRIAN WIND ASSESSMENT EXHIBITS





R4.2 PEDESTRIAN WIND ASSESSMENT EXHIBITS





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Table 1: Pedestrian Wind Comfort and Safety Conditions

		Wind Comfort (20% Seasonal Exceedance)				Wind Safety (0.1% Exceedance)			
		Sun	nmer	Winter		Annual			
Location C	Configuration	Speed (mph)	Rating	Speed (mph)	Rating	Speed (mph)	Rating		
1	Existing		LLPLICABLE						
	Proposed	9	Strolling	10	Strolling	42	Pass		
	145 Broadway	9	Strolling	9	Strolling	43	Pass		
2	Existing	8	Standing	10	Strolling	39	Pass		
	Proposed	10	Strolling	12	Walking	43	Pass		
	145 Broadway	10	Strolling	12	Walking	44	Pass		
3	Existing	8	Standing	10	Strolling	40	Pass		
	Proposed	9	Strolling	12	Walking	44	Pass		
	145 Broadway	10	Strolling	12	Walking	43	Pass		
4	Existing	NOT A	LLPLICABLE						
•	Proposed	7	Standing	7	Standing	31	Pass		
	145 Broadway	6	Sitting	7	Standing	29	Pass		
5	Existing	NOT A	LLPLICABLE						
ວ	Proposed	7	Standing	8	Standing	33	Pass		
	145 Broadway	7	Standing	7	Standing	30	Pass		
6	Eviatina	7	Standing	8	Standing	34	Pass		
0	Existing Proposed	8	Standing	8 12	Walking	45	Pass		
	145 Broadway	8	Standing	11	Walking	42	Pass		
7	Friedra	7	Ota a alia a	0	Otan dia a	05	Deser		
7	Existing Proposed	7 12	Standing Walking	8 14	Standing Uncomfortable	35 50	Pass Pass		
	145 Broadway	12	Walking	14	Uncomfortable	50	Pass		
0	Friedra	0	Oten elie e	40	Otro Ilia a	07	D		
8	Existing	8 9	Standing	10 10	Strolling Strolling	37 45	Pass Pass		
	Proposed 145 Broadway	10	Strolling Strolling	11	Walking	45	Pass		
_	ŕ		· ·		ū		_		
9	Existing	8	Standing	10	Strolling	35	Pass		
	Proposed 145 Broadway	9 9	Strolling Strolling	12 12	Walking Walking	42 45	Pass Pass		
	1 10 Diodaway		Cuoming		wanting				
10	Existing	7	Standing	9	Strolling	34	Pass		
	Proposed	8	Standing	10	Strolling	43	Pass		
	145 Broadway	8	Standing	10	Strolling	44	Pass		
11	Existing	8	Standing	10	Strolling	37	Pass		
	Proposed	9	Strolling	10	Strolling	44	Pass		
	145 Broadway	9	Strolling	10	Strolling	43	Pass		
12	Existing	8	Standing	10	Strolling	39	Pass		
	Proposed	12	Walking	15	Uncomfortable	52	Pass		
	145 Broadway	12	Walking	15	Uncomfortable	55	Pass		
easons	Hours				mfort Category		Safety Category		
ummer = May to Octobe		3:00 for Co		(20% Se	asonal Exceedance)	(0.1%	Annual Exceedance)		
inter = November to Ap	orii 0:00 to 2	3:00 for Sa	alety	≤ 6 mph	Sitting	≤ 56 r	nph Pass		
onfiguration				7 to 8	Standing	> 56 r			
kisting = without the pro	posed developmen	t		9 to 10	Strolling				
roposed = with all propo					Walking				
15 Broadway = with 110	CC as a proposed d	evelopmer	nt	> 12 mpł	n Uncomfortable	I			

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Table 1: Pedestrian Wind Comfort and Safety Conditions

		Win	d Comfort (20	% Seasonal	Exceedance)	Wind Safety (0.1% Exceedance		
		Sun	nmer	Winter		Annual		
Location Co	Configuration	Speed (mph)	Rating	Speed (mph)	Rating	Speed (mph)	Rating	
13	Existing	8	Standing	10	Strolling	40	Pass	
	Proposed	10	Strolling	13	Uncomfortable	50	Pass	
	145 Broadway	11	Walking	14	Uncomfortable	53	Pass	
14	Existing	6	Sitting	7	Standing	27	Pass	
	Proposed	8	Standing	10	Strolling	46	Pass	
	145 Broadway	8	Standing	10	Strolling	47	Pass	
15	Existing	6	Sitting	7	Standing	30	Pass	
10	Proposed	10	Strolling	, 12	Walking	55	Pass	
	145 Broadway	11	Walking	15	Uncomfortable	60	Exceeded	
	143 Dioadway	""	waiking	13	Officonflortable	00	Lxceeded	
16	Existing	7	Standing	7	Standing	34	Pass	
	Proposed	8	Standing	10	Strolling	45	Pass	
	145 Broadway	8	Standing	10	Strolling	44	Pass	
17	Existing	7	Standing	7	Standing	35	Pass	
	Proposed	9	Strolling	12	Walking	48	Pass	
	145 Broadway	10	Strolling	13	Uncomfortable	54	Pass	
18	Existing	8	Standing	10	Strolling	40	Pass	
	Proposed	11	Walking	14	Uncomfortable	47	Pass	
	145 Broadway	10	Strolling	12	Walking	48	Pass	
19	Existing	7	Standing	8	Standing	33	Pass	
13	Proposed	8	Standing	10	Strolling	39	Pass	
	145 Broadway	8	Standing	8	Standing	35	Pass	
20	Cuinting	7	Ctondina	0	Ctandina	24	Door	
20	Existing	7 10	Standing	8 12	Standing Walking	34 47	Pass Pass	
	Proposed 145 Broadway	12	Strolling	13	Uncomfortable	51	Pass	
	145 bioauway	12	Walking	13	Uncomfortable	31	Fd55	
21	Existing	9	Strolling	11	Walking	42	Pass	
	Proposed	11	Walking	13	Uncomfortable	48	Pass	
	145 Broadway	12	Walking	14	Uncomfortable	49	Pass	
22	Existing	8	Standing	9	Strolling	37	Pass	
	Proposed	10	Strolling	13	Uncomfortable	48	Pass	
	145 Broadway	10	Strolling	12	Walking	47	Pass	
23	Existing	8	Standing	10	Strolling	38	Pass	
-	Proposed	10	Strolling	13	Uncomfortable	47	Pass	
	145 Broadway	10	Strolling	12	Walking	44	Pass	
24	Existing	6	Sitting	7	Standing	30	Pass	
	Proposed	10	Strolling	12	Walking	46	Pass	
	145 Broadway	7	Standing	8	Standing	33	Pass	
asons mmer = May to Octobe	Hours er 6:00 to 2:	3:00 for Co	omfort		mfort Category asonal Exceedance)		Safety Category Annual Exceedance	
nter = November to Ap	ril 0:00 to 2	3:00 for Sa	afety	- C1	Cittina	2.50	mmh D	
enfiguration isting = without the pro oposed = with all propo 5 Broadway = with 110	sed developments	(11CC, 12		≤ 6 mph 7 to 8 9 to 10 ial) 11 to 12 > 12 mph	Sitting Standing Strolling Walking Uncomfortable	≤ 56 i > 56 i		

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Table 1: Pedestrian Wind Comfort and Safety Conditions

		Win	d Comfort (20%	Seasonal	Exceedance)	Wind Safe	ety (0.1% Exceedance)
		Sun	nmer	Winter		Annual	
Location (Configuration	Speed (mph)	Rating	Speed (mph)	Rating	Speed (mph)	Rating
25	Existing	6	Sitting	7	Standing	28	Pass
	Proposed	9	Strolling	12	Walking	45	Pass
	145 Broadway	9	Strolling	11	Walking	42	Pass
26	Existing	8	Standing	9	Strolling	36	Pass
	Proposed	11	Walking	13	Uncomfortable	47	Pass
	145 Broadway	10	Strolling	12	Walking	47	Pass
27	Existing	7	Standing	7	Standing	31	Pass
	Proposed	7	Standing	8	Standing	32	Pass
	145 Broadway	6	Sitting	7	Standing	27	Pass
28	Existing	9	Strolling	10	Strolling	44	Pass
	Proposed	8	Standing	11	Walking	44	Pass
	145 Broadway	10	Strolling	14	Uncomfortable	52	Pass
29	Existing	6	Sitting	7	Standing	29	Pass
25	Proposed	7	Standing	10	Strolling	37	Pass
	145 Broadway	7	Standing	10	Strolling	37	Pass
30	Existing	6	Sitting	7	Standing	33	Pass
00	Proposed	7	Standing	9	Strolling	36	Pass
	145 Broadway	7	Standing	8	Standing	34	Pass
31	Existing	6	Sitting	7	Standing	27	Pass
31	Proposed	7	Standing	9	Strolling	39	Pass
	145 Broadway	6	Sitting	7	Standing	27	Pass
32	Existing	6	Sitting	6	Sitting	30	Pass
32	Proposed	8	Standing	10	Strolling	39	Pass
	145 Broadway	6	Sitting	7	Standing	30	Pass
	·		· ·	_	ū		_
33	Existing	7	Standing	9	Strolling	38	Pass
	Proposed 145 Broadway	8 8	Standing Standing	10 10	Strolling Strolling	37 38	Pass Pass
	143 Bloadway	U	Statiunig	10	Guoining	30	1 000
34	Existing	8	Standing	10	Strolling	39	Pass
	Proposed	8	Standing	10	Strolling	36	Pass
	145 Broadway	8	Standing	10	Strolling	37	Pass
35	Existing	5	Sitting	6	Sitting	25	Pass
	Proposed	6	Sitting	7	Standing	28	Pass
	145 Broadway	6	Sitting	7	Standing	28	Pass
36	Existing	8	Standing	10	Strolling	39	Pass
	Proposed	9	Strolling	11	Walking	43	Pass
	145 Broadway	8	Standing	10	Strolling	41	Pass
easons ummer = May to Octobe		3:00 for Co			mfort Category asonal Exceedance)		Safety Category Annual Exceedance)
/inter = November to Ap	orii 0:00 to 2	3:00 for Sa	alety	≤ 6 mph	Sitting	≤ 56 r	mph Pass
onfiguration				7 to 8	Standing	> 56 r	
xisting = without the pro	posed developmen	t		9 to 10	Strolling	1	
roposed = with all propo			CC & Residentia	l) 11 to 12	Walking	1	
4F Draaduusu usida 110	CC as a proposed d	evelonmer	nt .	> 12 mph		1	

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 Table 1: Pedestrian Wind Comfort and Safety Conditions

		Win	Wind Comfort (20% Seasonal Exceedance)				Wind Safety (0.1% Exceedance		
		Sun	nmer	Winter		Annual			
Location (Configuration	Speed (mph)	Rating	Speed (mph)	Rating	Speed (mph)	Rating		
37	Existing	8	Standing	10	Strolling	37	Pass		
	Proposed	10	Strolling	12	Walking	47	Pass		
	145 Broadway	10	Strolling	12	Walking	50	Pass		
38	Existing	8	Standing	10	Strollina	39	Pass		
	Proposed	8	Standing	10	Strolling	40	Pass		
	145 Broadway	8	Standing	10	Strolling	40	Pass		
39	Existing	8	Standing	10	Strolling	38	Pass		
00	Proposed	8	Standing	10	Strolling	39	Pass		
	145 Broadway	8	Standing	10	Strolling	40	Pass		
	145 bloadway	O	Stariding	10	Strolling	40	1 033		
40	Existing	8	Standing	10	Strolling	39	Pass		
	Proposed	7	Standing	8	Standing	40	Pass		
	145 Broadway	8	Standing	10	Strolling	37	Pass		
41	Existing	8	Standing	10	Strolling	39	Pass		
	Proposed	8	Standing	10	Strolling	41	Pass		
	145 Broadway	8	Standing	10	Strolling	37	Pass		
42	Existing	5	Sitting	6	Sitting	29	Pass		
74	Proposed	7	Standing	8	Standing	48	Pass		
	145 Broadway	5	Sitting	6	Sitting	26	Pass		
40	Eviatia a		Cittina	7	Ctonding	24	Door		
43	Existing	6	Sitting	7	Standing	31	Pass		
	Proposed 145 Broadway	7 6	Standing Sitting	9 7	Strolling Standing	40 27	Pass Pass		
	ŕ		Ü		ū				
44	Existing	7	Standing	8	Standing	35	Pass		
	Proposed	8	Standing	10	Strolling	45	Pass		
	145 Broadway	7	Standing	8	Standing	34	Pass		
45	Existing	8	Standing	11	Walking	41	Pass		
	Proposed	8	Standing	10	Strolling	44	Pass		
	145 Broadway	8	Standing	10	Strolling	40	Pass		
46	Existing	5	Sitting	6	Sitting	24	Pass		
· -	Proposed	7	Standing	8	Standing	32	Pass		
	145 Broadway	5	Sitting	6	Sitting	24	Pass		
47	Existing	7	Standing	10	Strolling	39	Pass		
41	Proposed	8	Standing	10	Strolling	40	Pass		
	145 Broadway	7	Standing	9	Strolling	37	Pass		
40	Friedra	4	Oissin n	0	0:4:	00	D		
48	Existing	4	Sitting	6	Sitting	23	Pass		
	Proposed 145 Broadway	7 4	Standing Sitting	8 6	Standing Sitting	34 22	Pass Pass		
	140 bildadway	4	Sittify	υ	Sitting	22	гаээ		
asons	Hours				omfort Category		Safety Category		
mmer = May to Octobe nter = November to Ap		3:00 for Co 3:00 for Sa		(20% Se	easonal Exceedance)	(0.1%	Annual Exceedanc		
iroi – November to Ap	0.00 10 2	J.00 101 36	логу	≤ 6 mph	Sitting	≤ 56	mph Pass		
nfiguration				7 to 8	Standing	> 56	mph Exceeded		
sting = without the pro				9 to 10	Strolling				
posed = with all propo				,					
	CC as a proposed d			> 12 mp					

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 Table 1: Pedestrian Wind Comfort and Safety Conditions

		Win	Wind Comfort (20% Seasonal Exceedance)		Wind Safety (0.1% Exceedance)		
		Sun	nmer	Winter		Annual	
Location C	Configuration	Speed (mph)	Rating	Speed (mph)	Rating	Speed (mph)	Rating
49	Existing	8	Standing	10	Strolling	39	Pass
	Proposed	8	Standing	11	Walking	43	Pass
	145 Broadway	8	Standing	10	Strolling	39	Pass
50	Existing	7	Standing	8	Standing	34	Pass
	Proposed	8	Standing	11	Walking	45	Pass
	145 Broadway	7	Standing	8	Standing	33	Pass
51	Existing	6	Sitting	7	Standing	30	Pass
	Proposed	8	Standing	10	Strolling	40	Pass
	145 Broadway	6	Sitting	7	Standing	29	Pass
52	Existing	6	Sitting	7	Standing	31	Pass
	Proposed	8	Standing	10	Strolling	39	Pass
	145 Broadway	6	Sitting	7	Standing	29	Pass
53	Existing	7	Standing	8	Standing	35	Pass
	Proposed	8	Standing	10	Strolling	39	Pass
	145 Broadway	6	Sitting	7	Standing	33	Pass
54	Existing	7	Standing	8	Standing	36	Pass
	Proposed	8	Standing	10	Strolling	40	Pass
	145 Broadway	6	Sitting	7	Standing	33	Pass
55	Existing	6	Sitting	7	Standing	29	Pass
	Proposed	8	Standing	11	Walking	40	Pass
	145 Broadway	6	Sitting	7	Standing	27	Pass
56	Existing	6	Sitting	7	Standing	28	Pass
	Proposed	8	Standing	11	Walking	40	Pass
	145 Broadway	6	Sitting	8	Standing	30	Pass
57	Existing	6	Sitting	7	Standing	28	Pass
	Proposed	9	Strolling	10	Strolling	41	Pass
	145 Broadway	8	Standing	9	Strolling	37	Pass
58	Existing	5	Sitting	6	Sitting	22	Pass
	Proposed	9	Strolling	11	Walking	46	Pass
	145 Broadway	7	Standing	7	Standing	30	Pass
59	Existing	8	Standing	11	Walking	43	Pass
	Proposed	10	Strolling	14	Uncomfortable	48	Pass
	145 Broadway	10	Strolling	12	Walking	51	Pass
60	Existing	7	Standing	8	Standing	33	Pass
	Proposed	8	Standing	10	Strolling	39	Pass
	145 Broadway	7	Standing	9	Strolling	39	Pass
				Wind On		VAC:	0-f-t 0-t
sons mer = May to Octobe	Hours er 6:00 to 2	3:00 for Co	omfort		mfort Category asonal Exceedance)		Safety Category Annual Exceedance)
er = November to Ap		3:00 for Sa		,	,	,	•
figuration				≤ 6 mph 7 to 8	Sitting Standing	1 65 ≥ 1 65 <	
ting = without the pro	posed developmen	t		9 to 10	Strolling		
osed = with all propo			CC & Residential		Walking	1	
	CC as a proposed d			> 12 mph			

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 Table 1: Pedestrian Wind Comfort and Safety Conditions

		Wind Comfort (20% Seasonal Exc			onal Exceedance) Wind Safety (0.1% Excee		
		Sun	nmer	Winter		Annual	
Location Co	Configuration	Speed (mph)	Rating	Speed (mph)	Rating	Speed (mph)	Rating
61	Existing	8	Standing	10	Strolling	42	Pass
	Proposed	12	Walking	15	Uncomfortable	51	Pass
	145 Broadway	10	Strolling	13	Uncomfortable	51	Pass
62	Existing	6	Sitting	6	Sitting	27	Pass
02	Proposed	6	Sitting	7	Standing	27	Pass
	145 Broadway	6	Sitting	6	Sitting	25	Pass
62	Cuinting	7	Chan din a	7	Chandin a	40	Dees
63	Existing	7	Standing	7	Standing	40	Pass
	Proposed	7	Standing	8	Standing	39	Pass
	145 Broadway	7	Standing	7	Standing	39	Pass
64	Existing	7	Standing	8	Standing	36	Pass
	Proposed	8	Standing	8	Standing	37	Pass
	145 Broadway	7	Standing	8	Standing	35	Pass
65	Existing	7	Standing	7	Standing	35	Pass
00	Proposed	7	Standing	8	Standing	37	Pass
	145 Broadway	7	Standing	7	Standing	34	Pass
66	Cuinting	10	Ctrolling	44	Malkina	40	Dage
66	Existing	10	Strolling	11	Walking	43	Pass
	Proposed	10	Strolling	11	Walking	43	Pass
	145 Broadway	9	Strolling	10	Strolling	41	Pass
67	Existing	9	Strolling	10	Strolling	41	Pass
	Proposed	10	Strolling	11	Walking	41	Pass
	145 Broadway	8	Standing	10	Strolling	39	Pass
68	Existing	8	Standing	8	Standing	35	Pass
00	Proposed	8	Standing	10	Strolling	37	Pass
	145 Broadway	7	Standing	8	Standing	34	Pass
60	Cuinting	0	Ctondina	9	Chrolling	0.7	Dage
69	Existing	8	Standing		Strolling	37	Pass
	Proposed 145 Broadway	8 8	Standing Standing	9 9	Strolling Strolling	40 37	Pass Pass
	•		_		· ·		
70	Existing	8	Standing	10	Strolling	39	Pass
	Proposed 145 Broadway	9 8	Strolling Standing	10 10	Strolling Strolling	41 37	Pass Pass
	145 bloadway	O	Stariumy	10	Strolling	31	F 099
71	Existing	8	Standing	8	Standing	39	Pass
	Proposed	8	Standing	9	Strolling	42	Pass
	145 Broadway	7	Standing	8	Standing	39	Pass
72	Existing	7	Standing	8	Standing	36	Pass
· -	Proposed	7	Standing	8	Standing	34	Pass
	145 Broadway	7	Standing	7	Standing	34	Pass
asons	Hours	,	Standing		mfort Category		Safety Category
nmer = May to Octobe hter = November to Ap		3:00 for Co 3:00 for Sa		•	asonal Exceedance)	,	Annual Exceedanc
nfiguration sting = without the pro posed = with all propo	sed developments			≤ 6 mph 7 to 8 9 to 10 ial) 11 to 12 > 12 mph	Sitting Standing Strolling Walking Uncomfortable	≤ 56 i > 56 i	

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 Table 1: Pedestrian Wind Comfort and Safety Conditions

		Win	d Comfort (20%	nal Exceedance) Wind Safety (0.1% Exceedance)			
		Sun	nmer	Winter		Annual	
Location C	Configuration	Speed (mph)	Rating	Speed (mph)	Rating	Speed (mph)	Rating
73	Existing	6	Sitting	7	Standing	30	Pass
	Proposed	6	Sitting	7	Standing	29	Pass
	145 Broadway	6	Sitting	7	Standing	29	Pass
74	Existing	4	Sitting	5	Sitting	22	Pass
	Proposed	5	Sitting	6	Sitting	22	Pass
	145 Broadway	4	Sitting	5	Sitting	22	Pass
75	Existing	8	Standing	10	Strolling	39	Pass
	Proposed	11	Walking	13	Uncomfortable	46	Pass
	145 Broadway	9	Strolling	12	Walking	47	Pass
76	Existing	6	Sitting	7	Standing	28	Pass
	Proposed	8	Standing	10	Strolling	38	Pass
	145 Broadway	7	Standing	8	Standing	37	Pass
77	Existing	7	Standing	9	Strolling	35	Pass
• •	Proposed	10	Strolling	12	Walking	45	Pass
	145 Broadway	7	Standing	9	Strolling	35	Pass
78	Existing	8	Standing	10	Strolling	43	Pass
	Proposed	9	Strolling	11	Walking	42	Pass
	145 Broadway	7	Standing	9	Strolling	35	Pass
79	Existing	8	Standing	11	Walking	43	Pass
	Proposed	10	Strolling	14	Uncomfortable	50	Pass
	145 Broadway	8	Standing	10	Strolling	39	Pass
80	Existing	8	Standing	11	Walking	42	Pass
	Proposed	8	Standing	10	Strolling	40	Pass
	145 Broadway	7	Standing	10	Strolling	38	Pass
81	Existing	8	Standing	10	Strolling	40	Pass
	Proposed	8	Standing	10	Strolling	42	Pass
	145 Broadway	7	Standing	10	Strolling	39	Pass
82	Existing	7	Standing	10	Strolling	38	Pass
	Proposed	7	Standing	9	Strolling	36	Pass
	145 Broadway	7	Standing	9	Strolling	38	Pass
83	Existing	7	Standing	8	Standing	33	Pass
	Proposed	8	Standing	11	Walking	43	Pass
	145 Broadway	7	Standing	8	Standing	32	Pass
84	Existing	NOT A	LLPLICABLE				
	Proposed	10	Strolling	14	Uncomfortable	52	Pass
	145 Broadway	NOT A	LLPLICABLE				
ons Manuta Oataba	Hours	0.001	and a		mfort Category		Safety Category
mer = May to Octobe er = November to Ap		3:00 for Co 3:00 for Sa		(20% Sea	asonal Exceedance)	(0.1%	Annual Exceedance)
f iguration ing = without the pro	posed developmen	t	·	≤ 6 mph 7 to 8 9 to 10	Sitting Standing Strolling	≤ 56 r > 56 r	
osed = with all propo	sed developments	(11CC 12	しこみ Residentia	an 11 to 12	Walking	1	

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 Table 1: Pedestrian Wind Comfort and Safety Conditions

		Win	d Comfort (20	% Seasona	Wind Safety (0.1% Exceedance		
		Sun	nmer	Winter		Annual	
Location Co	Configuration	Speed (mph)	Rating	Speed (mph)	Rating	Speed (mph)	Rating
85	Existing	8	Standing	10	Strolling	37	Pass
	Proposed	10	Strolling	12	Walking	48	Pass
	145 Broadway	8	Standing	10	Strolling	37	Pass
86	Existing	8	Standing	10	Strolling	37	Pass
	Proposed	10	Strolling	12	Walking	46	Pass
	145 Broadway	7	Standing	9	Strolling	37	Pass
87	Existing	5	Sitting	6	Sitting	24	Pass
0.	Proposed	6	Sitting	7	Standing	33	Pass
	145 Broadway	5	Sitting	6	Sitting	24	Pass
00	Eviating	7	Standing	8	Standing	34	Door
88	Existing Proposed	8	Standing Standing	8	Standing Standing	40	Pass Pass
	145 Broadway	7	Standing	8	Standing	33	Pass
	140 Bloadway	•	Otananig	O	Otanung	00	1 033
89	Existing	6	Sitting	7	Standing	30	Pass
	Proposed	7	Standing	8	Standing	37	Pass
	145 Broadway	6	Sitting	7	Standing	30	Pass
90	Existing	7	Standing	9	Strolling	37	Pass
	Proposed	9	Strolling	11	Walking	43	Pass
	145 Broadway	7	Standing	8	Standing	37	Pass
91	Existing	8	Standing	10	Strolling	36	Pass
01	Proposed	9	Strolling	13	Uncomfortable	37	Pass
	145 Broadway	7	Standing	9	Strolling	39	Pass
92	Existing	8	Standing	10	Strolling	40	Pass
32	Proposed	9	Strolling	11	Walking	42	Pass
	145 Broadway	8	Standing	10	Strolling	39	Pass
02	Cuinting	0	Ctondina	0	Ctralling	40	Door
93	Existing Proposed	8 8	Standing Standing	9 9	Strolling Strolling	40 43	Pass Pass
	145 Broadway	7	Standing	9	Strolling	40	Pass
		_	_	_	-		_
94	Existing	7	Standing	8	Standing	38	Pass
	Proposed 145 Broadway	8 7	Standing Standing	8 8	Standing Standing	45 37	Pass Pass
	140 Dioauway	•	Granding	3	January	"	1 433
95	Existing	6	Sitting	7	Standing	33	Pass
	Proposed	7	Standing	7	Standing	40	Pass
	145 Broadway	6	Sitting	6	Sitting	33	Pass
96	Existing	6	Sitting	7	Standing	31	Pass
	Proposed	7	Standing	7	Standing	33	Pass
	145 Broadway	6	Sitting	7	Standing	30	Pass
easons	Hours			Wind C	omfort Category		Safety Category
ımmer = May to Octob inter = November to A		3:00 for Co 3:00 for Sa		(20% Se	easonal Exceedance)	(0.1%	6 Annual Exceedance
			•	≤ 6 mph		≤ 56	
onfiguration	on o o o d do: :-!			7 to 8	Standing	> 56	mph Exceeded
kisting = without the pr			OO 0 D:	9 to 10	Strolling		
	osed developments	tt 100. 12	uu & kesident	iai) 11 to 12	Walking	1	

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R4.2 EXHIBITS

PEDESTRIAN WIND ASSESSMENT



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Table 1: Pedestrian Wind Comfort and Safety Conditions

		Win	d Comfort (20	% Seasona	Wind Safety (0.1% Exceedanc		
		Sum	nmer	Winter		Annual	
Location C	Configuration	Speed (mph)	Rating	Speed (mph)	Rating	Speed (mph)	Rating
97	Existing Proposed 145 Broadway	8 8 7	Standing Standing Standing	9 10 8	Strolling Strolling Standing	37 44 35	Pass Pass Pass

Wind Comfort Category (20% Seasonal Exceedance) Seasons Hours Summer = May to October 6:00 to 23:00 for Comfort Winter = November to April 0:00 to 23:00 for Safety Sitting Standing ≤ 6 mph 7 to 8 Existing = without the proposed development 9 to 10 Strolling Proposed = with all proposed developments (11CC, 12CC & Residential) 11 to 12 145 Broadway = with 11CC as a proposed development > 12 mph Walking > 12 mph Uncomfortable

Wind Safety Category (0.1% Annual Exceedance)

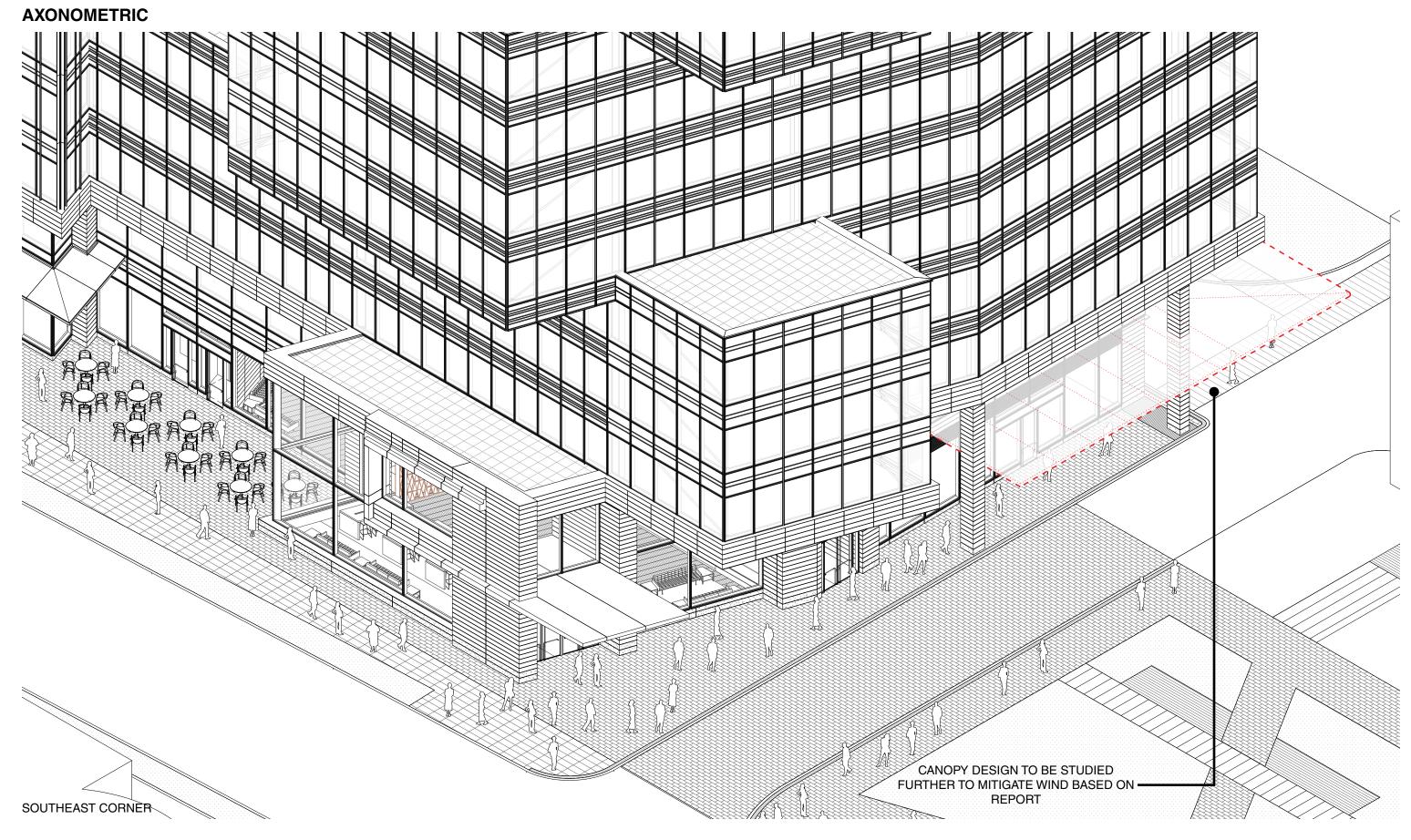
≤ 56 mph Pass > 56 mph Exceeded

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R4.3 WIND MITIGATION PLAN



R4.3 WIND MITIGATION PLAN

