

## Zoning Compliance Check List (Registered Land Surveyor)

Property Address: <u>18 Ash Street</u>	Zone: GR
Surveyor Signature and Stamp: Raul Finoreching	Date: 1/2/23

	REQUIRED	EXISTING	PROPOSED
Lot Area	7,000 sf	6,774 sf	6,774 sf
Lot Frontage	70 ft.	62.37 ft	62.37 sf
Floor Area Ratio	-	-	
Lot Coverage	30 %	16.4%	26.1%
Open Space	40 %	62 %	43.6%
Front Setback	20 ft.	64.5 ft.	21 ft.
Side Setback LT	10 ft	20.9 ft.	16.0 ft.
Side Setback BT	10 ft.	9.5 ft.	16.5 ft.
Rear Setback	20.0 ft.	70 ft.	27 ft
Building Height	33 ft.	26.6 ft.	29.1 ft.
Stories	2.5	2	2.5
1/2 Story Calculation			

## NOTES:





ENTIFIC NAME	COMMON NAME	SIZE
er Palmatum oodgood"	Blood Good Japanese Maple	7'-8"
ula Nigra Multi m	River Birch	7'-8"
ododendron awbiense	Catawba Rhododendron	5 gal
amaecyparis tusa "Gracilis"	Hinoki Cypress	5'-6"
oeta X "Psfike" e Turoy	Catmint	1 gal
ustrum alifolium	California Privet	4'-5"
rangea Arborescens rediball"	Incrediball Hydrangea	5 gal
nus Alba	Tatarian Dogwood	7 gal

Second Floor: 772 sq.ft. (per unit) x 2 = 1,544 sq.ft.

433 sq.ft. (per unit) x 2 = 866 sq.ft.

56 %

764 sf.ft. (per unit) x 2 = 1,528 sq.ft. Second Floor: 772 sq.ft. (per unit) x 2 = 1,544 sq.ft. 310 sq.ft. (per unit) x 2 = 620 sq.ft.

> 3,692 sq.ft. 1,846 sq.ft.

	ARCHITECTS	18 Main Street #3B, Concord, M, 650-814-8542 brigite@inkstonearchitects.cc
DRAWING TITLE:	Title Sheet and Site Plan	SCALE : 1/8=1'-0"
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DATE	12/13/22 12/30/22 re	
	18 Ash St. Belmont, MA	
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# Neighborhood Calculations

18 Ash Street, Belmont, MA

Neighborhood reference building list based on neighborhood determination by Planning Board.

Height Table			
Address	Height Sidewalk to Peak	Rank	Percentile
14 - 16 Ash	42.66	1	
210 - 214 Waverley	37.46	2	
19 - 21 Midland	36.23	3	
7 - 9 Ash	35.58	4	
18 Ash Proposed	35.2	5	73%
17 -19 Ash	34.32	6	
20 -22 Midland	34.09	7	
222 - 224 Waverley	32.37	8	
22 -24 Shean	32.18	9	
13 -15 Ash	31.32	10	
17 - 19 Shean	31.2	11	
24 - 26 Gordon	31.14	12	
9 - 11 Shean	30.8	13	
10 - 12 Ash	29.29	14	
28 - 30 Shean	25.43	15	

TLA to Lot Area Buil	ding Ra	ank			
Address	TLA	Lot Area	TLA/Lot Area	Rank	Percentile
14 -16 Ash	3939	5000	79%	1	
7 - 9 Ash	3141	5370	58%	2	
210 -214 Waverley	2950	5145	57%	3	
17 - 19 Ash	3272	6000	55%	4	
18 Ash Proposed	3692	6774	55%	5	<b>73%</b>
17 - 19 Shean	3266	6000	54%	6	
9 - 11 Shean	3266	6000	54%	7	
13 - 15 Ash	2535	4882	52%	8	
22 - 24 Shean	3488	7174	49%	9	
20 -22 Midland	2400	5000	48%	10	
28 - 30 Shean	2376	5630	42%	11	
222 Waverley 1,2,3	2780	6985	40%	12	
24 - 26 Gordon	2317	6411	36%	13	
19 - 21 Midland	2720	7848	35%	14	
16 - 18 Shean	1170	6972	17%	15	

<b>TLA Building Ran</b>	k		
Address	TLA	Rank	Percentile
14 -16 Ash	3939	1	
18 Ash Proposed	3692	2	<b>93%</b>
22 - 24 Shean	3488	3	
17 - 19 Ash	3272	4	
17 - 19 Shean	3266	5	
9 - 11 Shean	3266	6	
7 - 9 Ash	3141	7	
210 -214 Waverley	2950	8	
222 Waverley 1,2,3	2780	9	
19 - 21 Midland	2720	10	
13 - 15 Ash	2535	11	
20 -22 Midland	2400	12	
28 - 30 Shean	2376	13	
24 - 26 Gordon	2317	14	
16 - 18 Shean	1170	15	

Total Living Area - Ash S	treet Only	
Address	TLA	<b>Rank Percentile</b>
14-16 Ash	3939	
18 Ash Proposed	3692	80%
17-19 Ash	3272	
7-9 Ash	3141	
13-15 Ash	2535	
TLA to Lot Area - Ash Str	eet Only	
Address	TLA to Lot Are	a Rank Percentile
14-16 Ash	79%	
7-9 Ash	58%	
17-19 Ash	55%	
18 Ash Proposed	55%	40%
13-15 Ash	52%	

TLA Dwelling Uni	t Rank		
Address	<b>TLA Unit</b>	Rank	Percentile
16 Ash	1984	1	
11 Ash	1967	2	
14 Ash	1955	3	
214 Waverley	1895	4	
18 Ash Proposed	1846	5	80%
22 - 24 Shean	1744	6	
17 - 19 Ash	1636	7	
17 - 19, 9 -11 Shean	1633	8	
9 Ash	1581	9	
7 Ash	1560	10	
19 -21 Midland	1360	11	
13 Ash	1320	12	
15 Ash	1215	13	
20 -22 Midland	1200	14	
28 - 30 Shean	1188	15	
222 Waverley 2	1076	16	
210 Waverley	1055	17	
222 Waverley 1	1014	18	
222 Waverley 3	690	19	
16 - 18 Shean	585	20	

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ELECTRICAL	SYMBOL
SMOKE DETECTOR	9
CO DETECTOR	\$
SMOKE / CO COMBINATION	٩
HEAT DETECTOR	

SMOKE DETECTOR REQUIRED LOCATIONS. R314.3

SMOKE DETECTORS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS.

1. IN ALL BEDROOMS; AND

2. IN THE IMMEDIATE VICINITY OF BEDROOMS

3. IN EACH STORY OF A DWELLING UNIT, INCLUDING BASEMENTS AND CELLARS BUT NOT INCLUDING CRAWL SPACES AND UNINHABITABLE ATTICS.

5. FIXED TEMPERATURE HEAT DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF R314.5

CARBON MONOXIDE DETECTOR SPECIFIC INSTALLATION PROVISIONS R315.2

EVERY RESIDENTIAL STRUCTURE THAT PRESENTLY OR IN THE FUTURE CONTAINS FOSSIL FUEL BURNING EQUIPMENT OR HAS ENCLOSED PARKING SHALL BE EQUIPPED, BY THE OWNER, LANDLORD OR SUPERINTENDENT, WITH WORKING AND LISTED CARBON MONOXIDE ALARM PROTECTION.

(A) CARBON MONOXIDE ALARM PROTECTION SHALL BE LOCATED IN EACH LEVEL OF EACH DWELLING UNIT INCLUDING HABITABLE PORTIONS OF BASEMENTS, CELLARS AND ATTICS, BUT NOT INCLUDING CRAWL SPACES.

(B) WHEN MOUNTING CARBON MONOXIDE ALARM PROTECTION ON A LEVEL OF A DWELLING UNIT WITH A SLEEPING AREA, THE ALARM SHALL BE INSTALLED IN THE IMMEDIATE VICINITY OF THE SLEEPING AREA, NOT TO EXCEED 10 FEET AS MEASURED IN ANY DIRECTION FROM ANY BEDROOM DOOR.



First Floor Plan Scale: 1/8" = 1'-0"

	"o.‡				3 Main Street #3B, Concord, MA -814-8542 brigite@inkstonearchitects.com
4'-0"					16
10-9"			NG TITLE: First Floor Plan		: 1/8=1'-0"
10'-7"			DRAWI		SCALE
_	52'-0"		REVISION		
10'-4"			SUBMISSION/	ev.	
5'-4"			DATE	12/13/22 12/30/22 n	
7:-6"					
3'-6"				8 Ash St. mont, MA	
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R311.7.4.1 RISER HEIGHT. THE MAXIMUM RISER HEIGHT SHALL BE 8 1/4". THE RISER SHALL BE MEASURED VERTICALLY BETWEEN LEADING EDGES OF THE ADJACENT TREADS. THE GREATEST RISER HEIGHT WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8".

R311.7.4.2 TREAD DEPTH. THE MINIMUM TREAD DEPTH SHALL BE NINE INCHES. THE TREAD DEPTH SHALL BE MEASURED HORIZONTALLY BETWEEN THE VERTICAL PLANES OF THE FOREMOST PROJECTION OF ADJACENT TREADS AND AT A RIGHT ANGLE TO THE TREAD'S LEADING EDGE. THE GREATEST TREAD DEPTH WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8" INCH. SHALL NOT EXCEED THE SMALLEST WHORE THAN 3/8 TINCH. WINDER TREADS SHALL HAVE A MINIMUM TREAD DEPTH EQUAL TO THE TREAD DEPTH OF THE STRAIGHT RUN PORTION OF THE STAIRS MEASURED AS ABOVE AT A POINT 12 INCHES FROM THE SIDE WHERE THE TREADS ARE NARROWER. WINDER TREADS SHALL HAVE A MINIMUM TREAD DEPTH OF THREE INCHES AT ANY POINT. WITHIN ANY FLIGHT OF STAIRS, THE GREATEST WINDER TREAD DEPTH AT THE 12 INCH WALK LINE SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8".

R312.1 GUARDS REQUIRED. GUARDS SHALL BE LOCATEDALONG OPEN-SIDED WALKING SURFACES, INCLUDING STAIRS, RAMPS, AND LANDINGS, THAT ARE LOCATED MORE THAN 30° TO THE FLOOR OR GRADE BELOW AT ANY POINT WITHIN 36° HORIZONTALLY TO THE EDGE OF THE OPEN SIDE. INSECT SCREENING SHALL NOT BE CONSIDERED A GUARD.

### R311.7.7 HANDRAILS.

HANDRAILS SHALL BE PROVIDED ON AT LEAST ONE SIDE OF EACH CONTINUOUS RUN OF TREADS OR FLIGHT WITH 4 OR MORE RISERS.

R311.7.7.1 HEIGHT. HANDRAIL HEIGHT, MEASURED VERTICALLY FROM THE SLOPE PLANE ADJOINING THE TREAD NOSING, OR FINISH SURFACE OF RAMP SLOPE, SHALL NOT BE LESS THAN 34 INCHES AND NOT MORE THAN 38 INCHES.



Second Floor Plan Scale: 1/8" = 1'-0"

			18 Main Street #3B, Concord, MA 650-814-8542 brigitte@inkstonearchitects.com
		DRAWING TITLE: Second Floor Plan	SCALE : 1/8=1'-0"
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	_	DATE 12/13/22 12/30/22	
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Third Floor Plan Scale: 1/8" = 1'-0"

	ARCHITECTS	18 Main Street #3B, Concord, MA 650-814-8542 brigite@inkstonearchitects.com
DRAWING TITLE: Third Floor Plan		SCALE : 1/8=1'-0"
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			18 Main Street #3B, Concord, MA 650-814-8542 brigite@nkstonearchitects.com
	DRAWING TITLE: Rear and Right	Side Elevation	SCALE : 1/8=1'-0"
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	18 Ash St. Belmont, MA 12/30/2		
RIGHT ELEVATION		A	5











		18 Main Street #3B, Concord, MA 650-814-8542 brigitte@inkstonearchitects.com	
3D Model Views			
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18 Ash St. Belmont, MA			
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