BZA Application Form						
BZA Number: 1	52647	2021 NOV -9 PM 2: 30				
	<u>Genera</u>	effice of the city clerk CAMBRIDGE, MASSACHUSETTS				
The undersigned l	hereby petitions the Board of Zoning	Appeal for the following:				
Special Permit: _	Variance: X	Appeal:				
PETITIONER: M	ario Massimino C/O Adam Glassman	ı, R.A. / GCD Architects				
PETITIONER'S A	DDRESS: 2 Worthington Street , Car	mbridge, MA 02138				
LOCATION OF P	ROPERTY: <u>462 Cambridge St , Can</u>	<u>nbridge, MA</u>				
TYPE OF OCCUP	PANCY: 2 Family Residential	ZONING DISTRICT: Res use in BA = Res C2B				
REASON FOR PE	ETITION:					
/Additions/						
DESCRIPTION O	F PETITIONER'S PROPOSAL:					
New Mansard Roo New Rear First Flo New Rear Bulkhea New Rear Entry C	posed work requires a Variance: of Addition per right side setback and oor Infill Addition per within 10'-0" of a ad per right side setback canopy per right side setback Canopy and Railing per front setback	an accessory Structure				
SECTIONS OF Z	ONING ORDINANCE CITED:					
Article: 5.000 Section: 5.31 (Table of Dimensional Requirements). Article: 8.000 Section: 8.22.3 (Non-Conforming Structure). Article: 5.000 Section: 5.13 (Proximity of Multiple Buildings on the same lot).						
	Original Signature(s):	ADAM GLASSMAN				
	2- <u>0</u>	(Petitioner (s) / Owner)				
		ADAM J. GLASSMAN				
		(Print Name)				

Address:

Tel. No.

617-412-8450

E-Mail Address:

ajglassman.ra@gmail.com

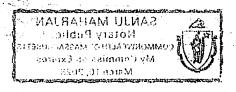
Date: _____11/08/2021

BZA APPLICATION FORM - OWNERSHIP INFORMATION

To be completed by OWNER, signed before a notary and returned to The Secretary of the Board of Zoning Appeals.

I/We Mario Massimin	0	
	(OWNER)	
Address: 20 Park Plaz	a Suite 820, Boston MA 02116	s
State that I/We own t	ne property located at 462 Cambrid	ge St Cambridge MA ,
which is the subject	of this zoning application.	
	nis property is in the name of	ž.
County Registry of De	f duly recorded in the date $\frac{10/26/2}{2}$ eds at Book $\frac{78994}{}$, Page $\frac{297}{}$ strict of Land Court, Certificate	; or
Book Pa		,
	SIGNATURE BY LAND O AUTHORIZED TRUSTEE, Agent's standing to represent petit	OFFICER OR AGENT*
Written evidence of . Commonwealth of Massa	SIGNATURE BY LAND O AUTHORIZED TRUSTEE, Agent's standing to represent petit	OFFICER OR AGENT
Written evidence of	SIGNATURE BY LAND O AUTHORIZED TRUSTEE, Agent's standing to represent petit	OFFICER OR AGENT tioner may be requested. Lly appeared before me,

• If ownership is not shown in recorded deed, e.g. if by court order, recent deed, or inheritance, please include documentation.



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SUPPORTING STATEMENT FOR A VARIANCE

EACH OF THE FOLLOWING REQUIREMENTS FOR A VARIANCE MUST BE ESTABLISHED AND SET FORTH IN COMPLETE DETAIL BY THE APPLICANT IN ACCORDANCE WITH MGL 40A, SECTION 10.

A) A literal enforcement of the provisions of this Ordinance would involve a substantial hardship, financial or otherwise, to the petitioner or appellant for the following reasons:

The existing structure is past its useful life and is in need of complete interior and exterior renovations.

A literal enforcement would prevent the owner from making all the upgrades required to modernize and very modestly expand the current structure so as to reconfigure the existing units to be more functional and comfortable for modern family living.

The hardship is owing to the following circumstances relating to the soil conditions, shape or topography of such land or structures and especially affecting such land or structures by not affecting generally the zoning district in which it is located for the following reasons:

The hardship is owing to a pre-existing non-conforming lot that is very narrow, the right side setback runs directly through the middle of the house. In addition to a non-conforming structure the lot also has a non-conforming accessory garage. The narrowness of the lot and the location of the garage make even the most modest and sensible increase in living space impossible to achieve without requiring zoning relief. The basement is well under 7'-0" tall and is not suitable to convert into habitable space and will remain unfinished.

C) DESIRABLE RELIEF MAY BE GRANTED WITHOUT EITHER:

1) Desirable relief may be granted without substantial detriment to the public good for the following reasons:

The allowable FAR is 1.75, our proposed addition of 406 SF of living space and 20.0 SF of a new side covered entry porch increases the existing FAR of .85 to .96, an extremely modest increase. The proposed mansard roof is consistent with the character of the house and would replace an existing hip roof, converting the unusable attic into a modest 377 SF second floor addition. The FAR and building height all remain conforming, and the existing non-conforming setbacks are not increased beyond their current conditions. The renovations include the removal of all the existing surface asphalt and concrete paving creating new conforming usable outdoor space where we currently have none. The proposed additions will allow us to reconfigure the structure to make the floor plans more comfortable, create new safe and code compliant stairs, and reduce the existing bedroom count from 7 bedrooms to 6., so we see no increase in the future density of the site even with the modest additional increased space. With the dormer additions, the total length of dormers will not exceed 30'-0", and no side has over 15'-0" of dormers total.

2) Desirable relief may be granted without nullifying or substantially derogating from the intent or purpose of this Ordinance for the following reasons:

The proposed work requiring relief will not result in the loss of any on-street parking, it will not create a loss of privacy for abutters, there will be no increase in light or noise pollution, there will be no increase in dwelling units, and there will be no new shadows cast on the abutting lots. The scale of the structure and the streetscape will remain unchanged and the exterior renovations will restore the character of the 1866 house, and enhance the neighborhood overall. The proposed relief will allow for the modernization of the existing older structure to accommodate families in what are still modest size units.

BZA Application Form

DIMENSIONAL INFORMATION

Applicant:

Mario Massimino

Present Use/Occupancy:

2 Family Residential

Location: 2 Worthington Street

Zone:

Res use in BA = Res C2B

Phone: 617-412-8450 Requested Use/Occupancy:

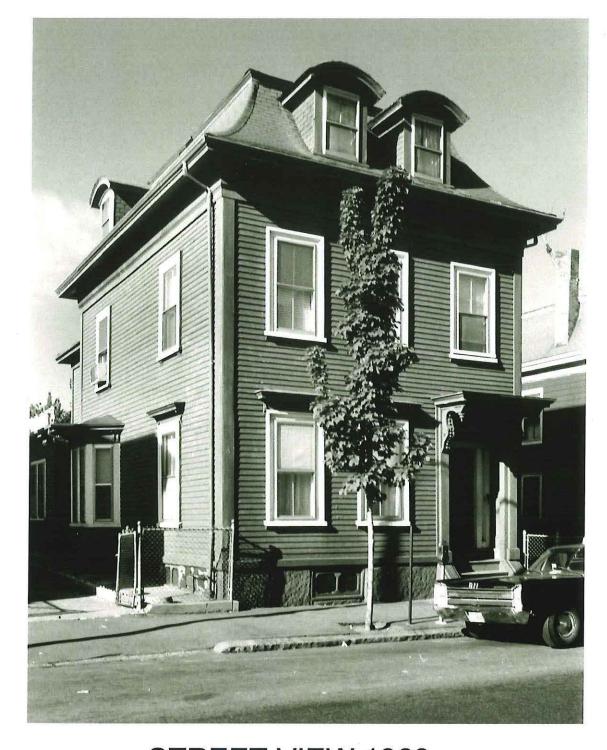
2 Family Residential

		Existing Conditions	Requested Conditions	<u>Ordinance</u> <u>Requirements</u>	
TOTAL GROSS FLOOR AREA:		3,054.0	3,481.0	6,321.0	(max.)
LOT AREA: RATIO OF GROSS		3,612.0	No Change	5,000.0	(min.)
FLOOR AREA TO LOT AREA: 2 LOT AREA OF		.85	.96	1.75	
EACH DWELLING UNIT		1,806.0 SF	No Change	600.0 SF	
SIZE OF LOT:	WIDTH	42.0'	No Change	50.0'	
	DEPTH	86.0'	No Change	NA	
SETBACKS IN FEET	FRONT	0.0	No Change	10.0	
	REAR	22'-9"	20'-0"	20'-0"	
	LEFT SIDE	14'-10"	13'-7"	13'-4"	
	RIGHT SIDE	2'-6"	No Change	13'-4"	
SIZE OF BUILDING:	HEIGHT	30.0'	33.0'	45.0'	
	WIDTH	64'-7"	67'-4"	NA	
RATIO OF USABLE OPEN SPACE TO LOT AREA:		0.0	392.0 SF 10%	270.5 SF 7.5%	
NO. OF DWELLING UNITS:		2	2	2	
NO. OF PARKING SPACES:		2	2	2	
NO. OF LOADING AREAS:		NA	NA	NA	
DISTANCE TO NEAREST BLDG. ON SAME LOT		3'-2"	3'-0"	10'-0"	

Describe where applicable, other occupancies on the same lot, the size of adjacent buildings on same lot, and type of construction proposed, e.g; wood frame, concrete, brick, steel, etc.:

Accessory masonry garage structure, main structure and proposed additions are wood frame

- 1. SEE CAMBRIDGE ZONING ORDINANCE ARTICLE 5.000, SECTION 5.30 (DISTRICT OF DIMENSIONAL REGULATIONS).
- 2. TOTAL GROSS FLOOR AREA (INCLUDING BASEMENT 7'-0" IN HEIGHT AND ATTIC AREAS GREATER THAN 5') DIVIDED BY LOT AREA.
- 3. OPEN SPACE SHALL NOT INCLUDE PARKING AREAS, WALKWAYS OR DRIVEWAYS AND SHALL HAVE A MINIMUM **DIMENSION OF 15'.**





STREET VIEW 1969

STREET VIEW 2021 - RESTORE PER 1969 PHOTO

PROJECT

RENOVATIONS AND ADDITIONS 462 Cambridge St Cambridge, MA PREPARED E

GCD ARCHITECTS 2 Worthington St Cambridge, MA DA

10 NOV. 2021

RAWING:

BZA SET PHOTOS





STREET VIEW 1969

STREET VIEW 2021 - RESTORE PER 1969 PHOTO

PROJECT

RENOVATIONS AND ADDITIONS 462 Cambridge St Cambridge, MA PREPARED B

GCD ARCHITECTS 2 Worthington St Cambridge, MA DATE:

10 NOV. 2021

RAWING.

BZA SET PHOTOS

REMOVE SHED ROOF



LEFT SIDE VIEW FROM REAR

REMOVE BULKHEAD

AREA OF PROPOSED FIRST FLOOR INFILL ADDITION

REAR VIEW

REMOVE ALL CONCRETE AND ASPHALT PAVING

AREA OF PROPOSED FIRST FLOOR INFILL ADDITION

PROJECT:

RENOVATIONS AND ADDITIONS 462 Cambridge St Cambridge, MA PREPARED BY

GCD ARCHITECTS
2 Worthington St

Cambridge, MA

10 NOV. 2021

DRAWING:

BZA SET CURRENT PHOTOS 0.3

EXIS	STING LEGEND
— ss —	SEWER LINE
(3)	SEWER MANHOLE
—v—	WATER LINE
— с —	GAS LINE
ക	UTILITY POLE
×	GAS VALVE
- ε	OVERHEAD ELECTRIC SERVICE
×	WATER VALVE
	CATCH BASIN
0	FENCE
205	CONTOUR LINE (MJR)
195	CONTOUR LINE (MNR)
×	SPOT GRADE
0	DRAIN MANHOLE
Ħ	HYDRANT
63	TREE

ZONING LEGEND						
ZONING DISTRICT: BUSINESS C2B						
	REQUIRED	EXISTING				
MIN. LOT SIZE	5,000 S.F.	3,612 S.F. (M)				
MIN. LOT AREA PER DWELLING UNIT	600 S.F.	1,785± S.F. (M) 1,806± S.F. (R)				
MIN. YARD FRONT	10'	1.1'				
SIDE (RIGHT) (A)	13.4'	2.4'				
SIDE (LEFT) (A)	13.4'	14.8'				
REAR (A)	20'	23.8'				
MAX. BLDG. HEIGHT (B)	45'	31.3'				
MIN OPEN SPACE	15%	0%				
MIN. LOT WIDTH	50'	42'				
MAX. F.A.R.	1.75	.84				

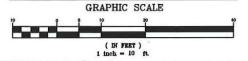
ZONING BYLAWS FOOTNOTES:

FRONT SETBACK: H+L/4 (33.0"+60.8"/5 = 18.16")
IN NO CASE MAY A BUILDING BE NEARER THE STREET THAN TWENTY (10) FEET.

SIDE SETBACK: H+L/7* (33.0'+60.8'/7 = 13.4' REQUIRED PER EXISTING HEIGHT SIDE SETBACK: H+L/7* (33.0'+60.8'/7 = 13.4' REQUIRED PER INCREASE HEIGHT

*(5.24.4.1) FOR BLDG LESS THAN 40' IN HEIGHT THE DENOMINATOR MAY BE INCREASED BY 2

	B) EXISTING AVERAGE HEIGHT
EDOHT 1 34.14" EDOHT 2 27.14" EDOHT 3 22.65"	(34.14'x32.29') + (27.14'x21.62') + (22.85'x8.92') 32.29' + 21.62' + 6.92'
ENGTH 1 32.29° ENGTH 2 21.62° ENGTH 3 6.92°	1,851 / 60.83 = 30'-0" AVERAGE HEIGHT
	B) PROPOSED AVERAGE HEIGHT
EDGHT 1 34.14" EDGHT 2 27.14"	(34.14'x32.29') + (27.14'x28.54') 32.29' + 28.54
ENGTH 1 32.29' ENGTH 2 28.54	2,005/ 60.83 = 33'-0" AVERAGE HEIGHT
FAR	
3,612.00 SF LOT	• 1.75 = 6,321.00 ALLOWABLE
PROPOSED OFA	3,418.00 GFA 3,054.00 GFA
EXISTING OFA CA	LCS:
FIRST FLOOR 1,303.0 GFA +	SECOND FLOOR THERD FLOOR 1,325.0 GFA + 426.0 GFA* = 3,054.0 /3,612.0 SF LOT = .84 FAR EXISTING
FIRST FLOOR 1,370.0 GFA +	SECOND FLOOR THIRD FLOOR
*THIRD FLOOR SE	ACE WITH 5"-0" OR GREATER HEAD HEIGHT



.50 X 541.0 SF = 270.5 REQUIRED USABLE SPACE WITH 15X15 MIN DIVIS

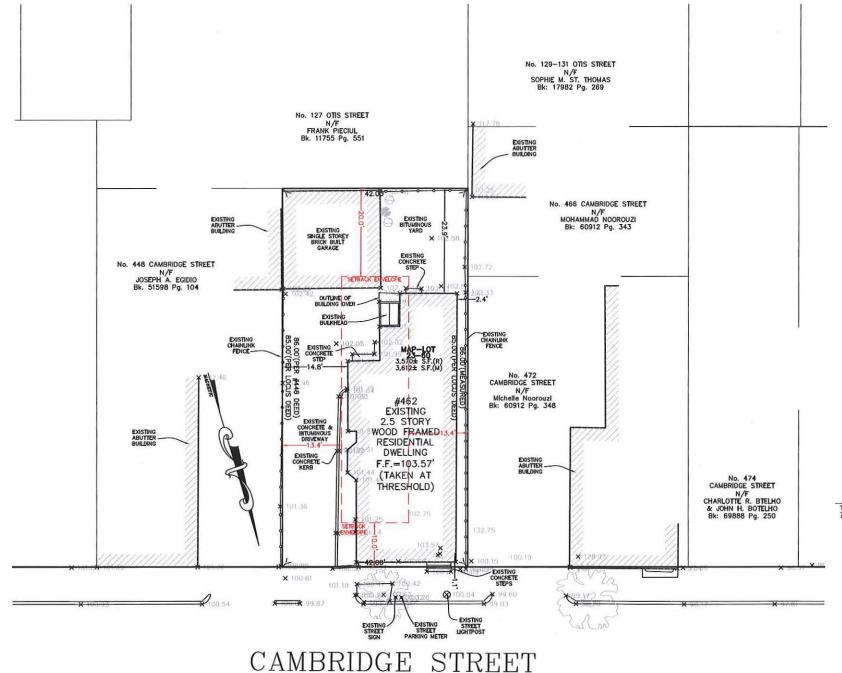
PROPOSED USUABLE OPEN SPACE WITH 15'X15' MIN DIMS, 392.0 SF

EXISTING OPEN SPACE O SF EXISTING USABLE OPEN SPACE: 0 SF

PROPOSED OPEN SPACE, 818.0 SF

INCAM & ASSOCIATE LILE SHALL NOT BE REPROVISIBLE FOR CONTINUEND HEAVY, METROD, TEDROLOGY, OF PROCEDURE VIRIATE OF THE LACTOR, AND PRIN SEE LAYET OF PARILLO OR COPPACTURES EMPLOYEES, OR FOR SEE FALLING OF THE CONTRACTOR TO CARRY OUT SEE A EXCONOMOUS THE SEE CONTRACT COMMONT. ACT DOCUMENTS. SATES LIAMBUTY FOR 1945 PLAN IS LIMITED TO THE EXTENT OF ITS FEE LESS THEIR PARTY CO. COPYRIGHT 2021 PETER NOLAN & ASSOCIATES LLC

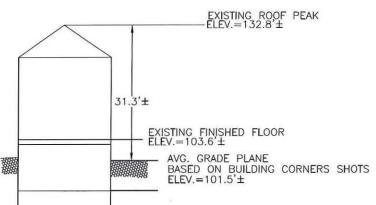
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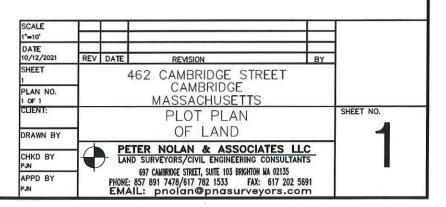
(PUBLIC WAY - 66' WIDE)

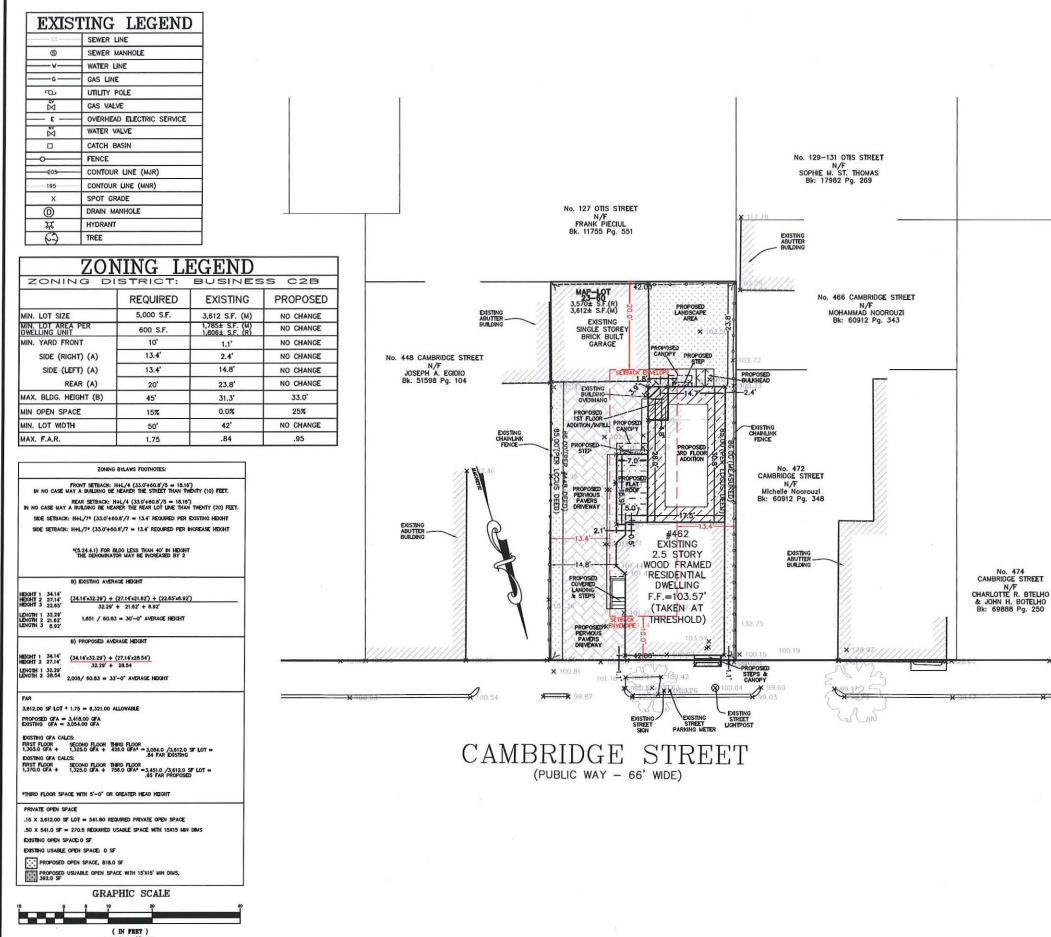
NOTES:

- 1. INFORMATION SHOWN ON THIS PLAN IS THE RESULT OF A FIELD SURVEY PERFORMED BY PETER NOLAN & ASSOCIATES LLC AS OF 10-01-2021.
- 2. DEED REFERENCE: BOOK 65056 PAGE 105, MIDDLESEX SOUTH DISTRICT REGISTRY OF DEEDS.
- 3. THIS PLAN IS NOT INTENDED TO BE RECORDED.
- 4. I CERTIFY THAT THE DWELLING SHOWN IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD ZONE. IT IS LOCATED IN ZONE X, ON FLOOD HAZARD BOUNDARY MAP NUMBER 25017C0577E, PANEL NUMBER 0577E, COMMUNITY NUMBER: 250186, DATED JUNE 04, 2010.
- 5. THIS PLAN DOES NOT SHOW ANY UNRECORDED OR UNWRITTEN EASEMENTS WHICH MAY EXIST. A REASONABLE AND DILIGENT ATTEMPT HAS BEEN MADE TO OBSERVE ANY APPARENT USES OF THE LAND; HOWEVER THIS NOT CONSTITUTE A GUARANTEE THAN NO SUCH EASEMENTS EXIST.
- 6. FIRST FLOOR ELEVATIONS ARE TAKEN AT THRESHOLD.
- 7. NO RESPONSIBILITY IS TAKEN FOR ZONING TABLE AS PETER NOLAN & ASSOCIATES LLC ARE NOT ZONING EXPERTS. TABLE IS TAKEN FROM TABLE PROVIDED BY LOCAL ZONING ORDINANCE. CLIENT AND/OR ARCHITECT TO VERIFY THE ACCURACY OF ZONING ANALYSIS.
- 8. ZONING DISTRICT = BUSINESS A



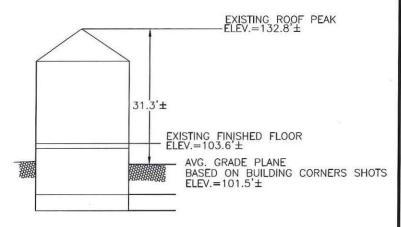
EXISTING PROFILE NOT TO SCALE





NOTES:

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- 8. ZONING DISTRICT = BUSINESS A



EXISTING PROFILE NOT TO SCALE

SCALE 1°=10'					1
DATE 11/08/2021	REV	DATE	REVISION	BY	}
SHEET 1	Т	4	162 CAMBRIDGE STREE	Τ	1
PLAN NO. 1 OF 1	1		CAMBRIDGE MASSACHUSETTS		
CLIENT:		-	PROPOSED		SHEET NO.
DRAWN BY			SITE PLAN] 4
CHKD BY			TER NOLAN & ASSOCIATE D SURVEYORS/CIVIL ENGINEERING CONS	SULTANTS	
APPD BY]	PHONE:	697 CAMBRIDGE STREET, SUITE 103 BRICHTON MA 00 857 891 7478/617 782 1533 FAX: 617 IL: pnolan@pnasurveyor	202 5691	

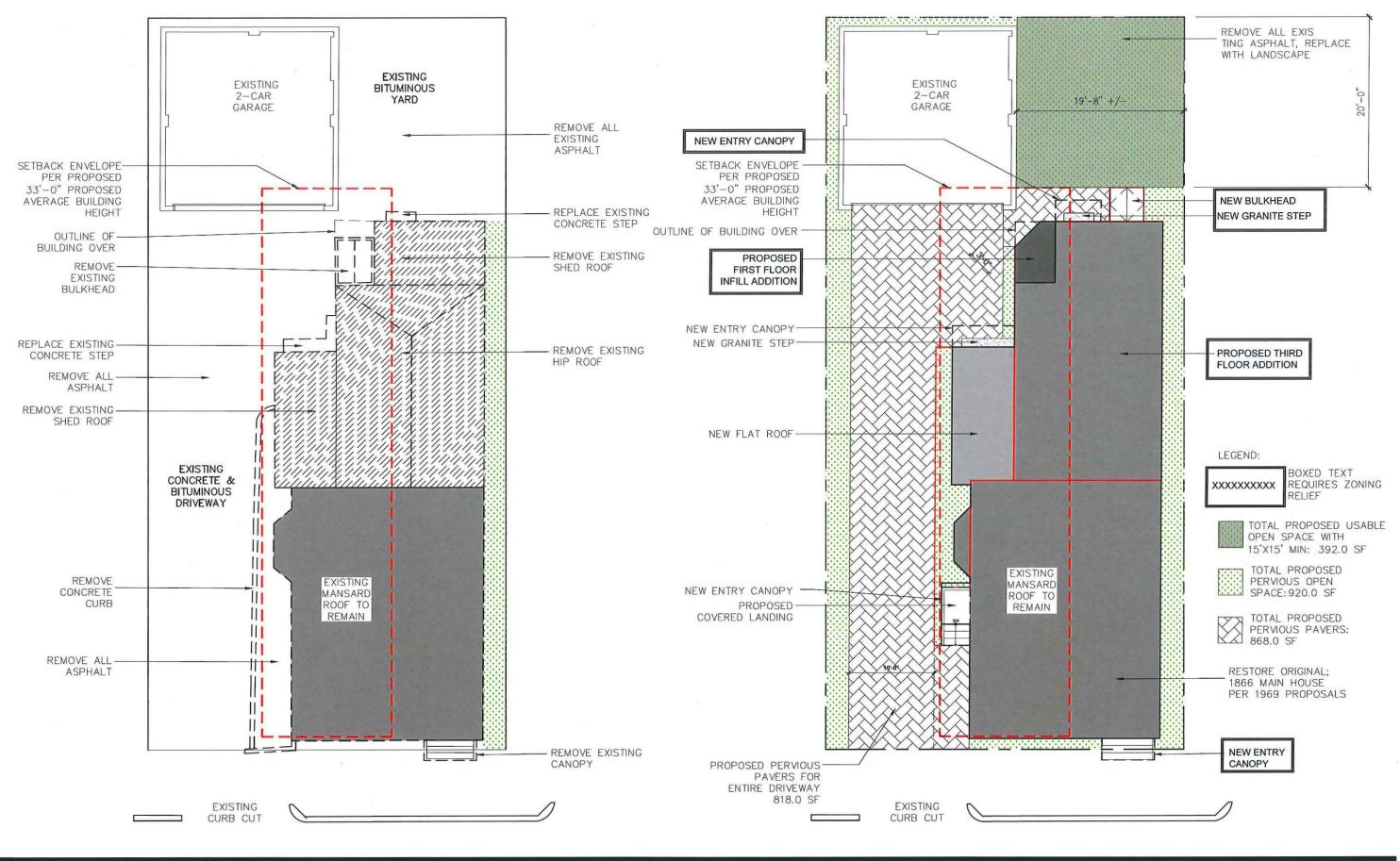
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A RECORDING ON OPERINGE, WITHOUT THE PRICE WITHIN FIRM

AMBLITY FOR THIS PLAN IS LIMITED TO THE EXTENT OF ITS FIX LESS THRO PARTY COST



PROJECT:

RENOVATIONS AND ADDITIONS 462 Cambridge St Cambridge, MA PREPARED BY:

GCD ARCHITECTS 2 Worthington St Cambridge, MA 10 NOV. 2021

DATE:

BZA SET SITE PLANS 3/₃₂" = 1'-0"

SCALE:

L1.1



RENOVATIONS AND ADDITIONS 462 Cambridge St Cambridge, MA

PREPARED BY:

Cambridge, MA

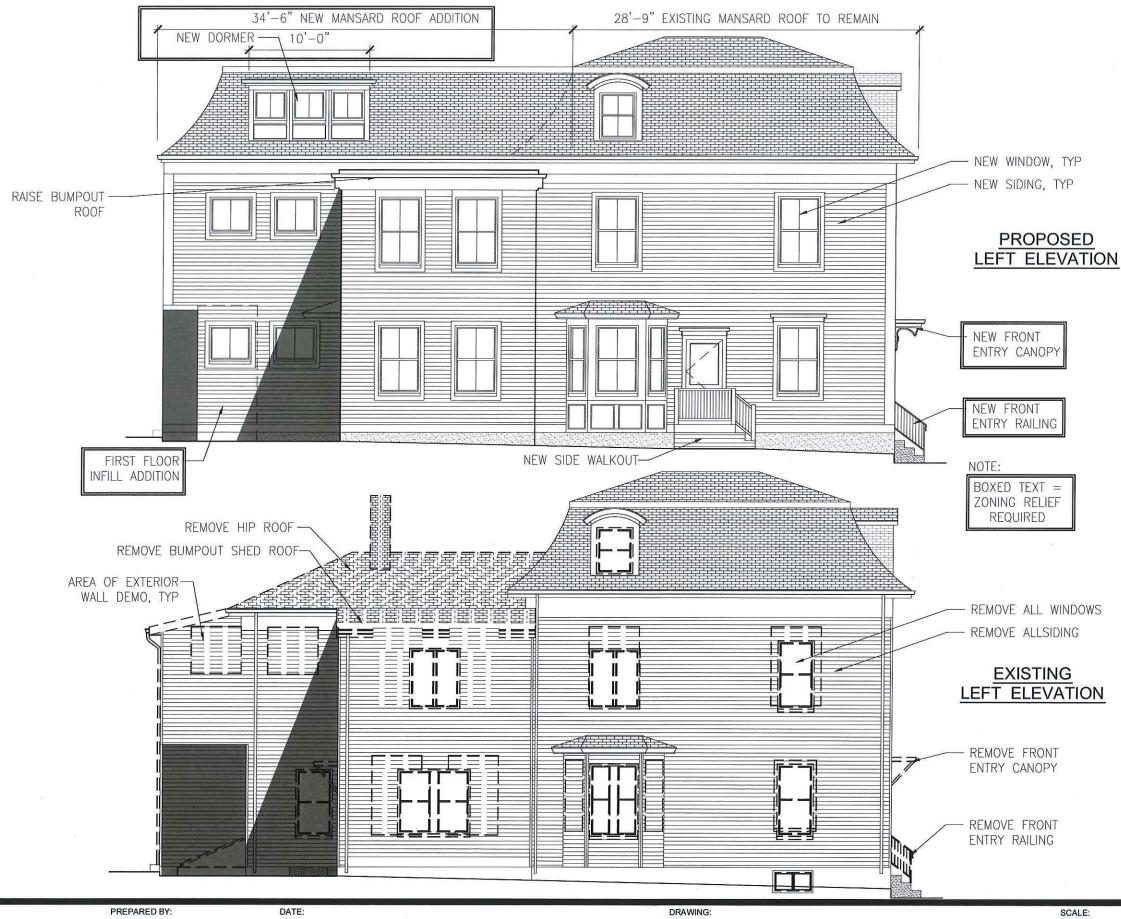
GCD ARCHITECTS 2 Worthington St

10 NOV. 2021

DATE:

BZA SET ELEVATIONS COMPARISONS

 $\frac{3}{16}$ " = 1'-0"



PROJECT:

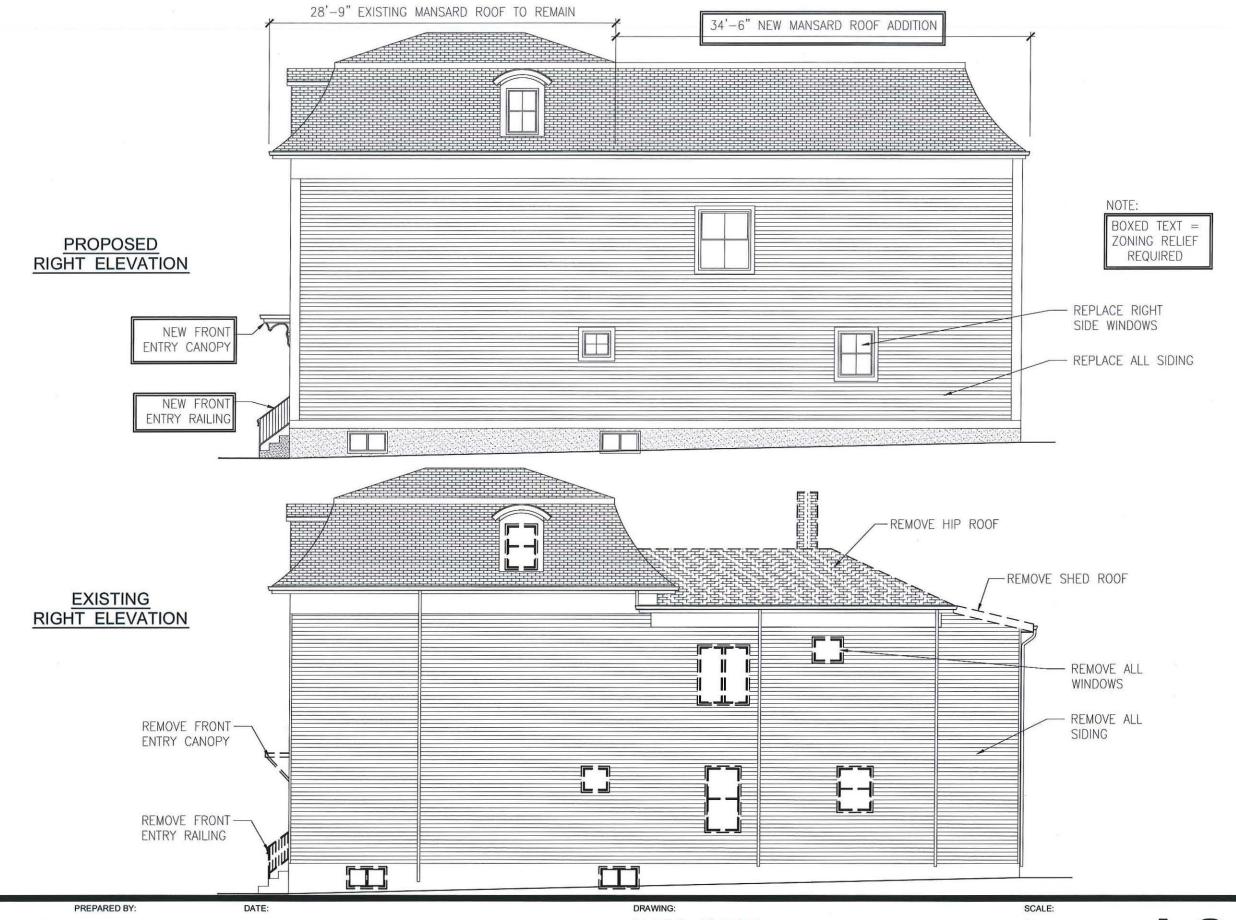
RENOVATIONS AND ADDITIONS 462 Cambridge St Cambridge, MA

PREPARED BY:

GCD ARCHITECTS 2 Worthington St Cambridge, MA

10 NOV. 2021

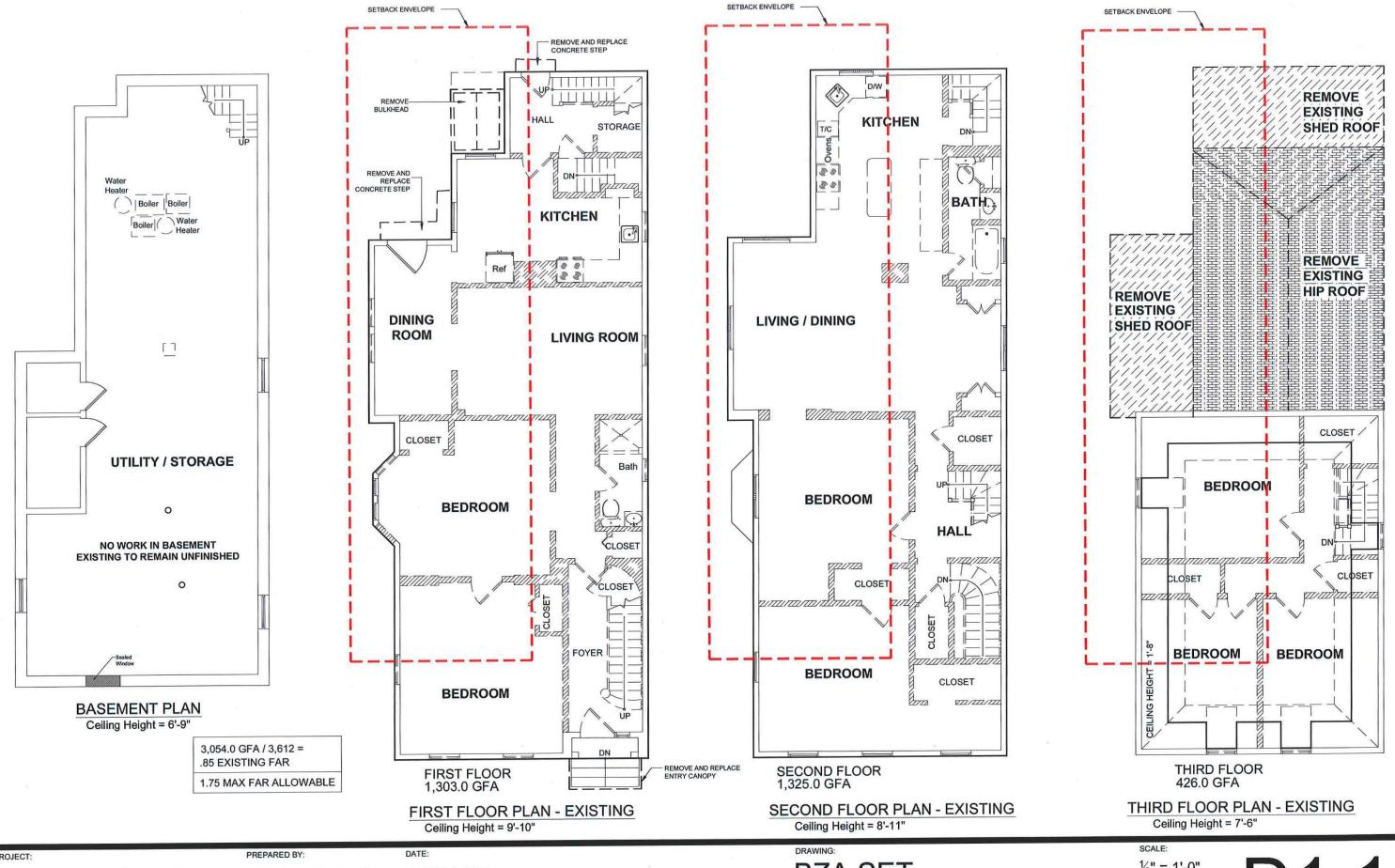
BZA SET 1/8" = 1'-0" **ELEVATIONS COMPARISONS**



PROJECT:

RENOVATIONS AND ADDITIONS 462 Cambridge St Cambridge, MA GCD ARCHITECTS 2 Worthington St Cambridge, MA 10 NOV. 2021

A2.3

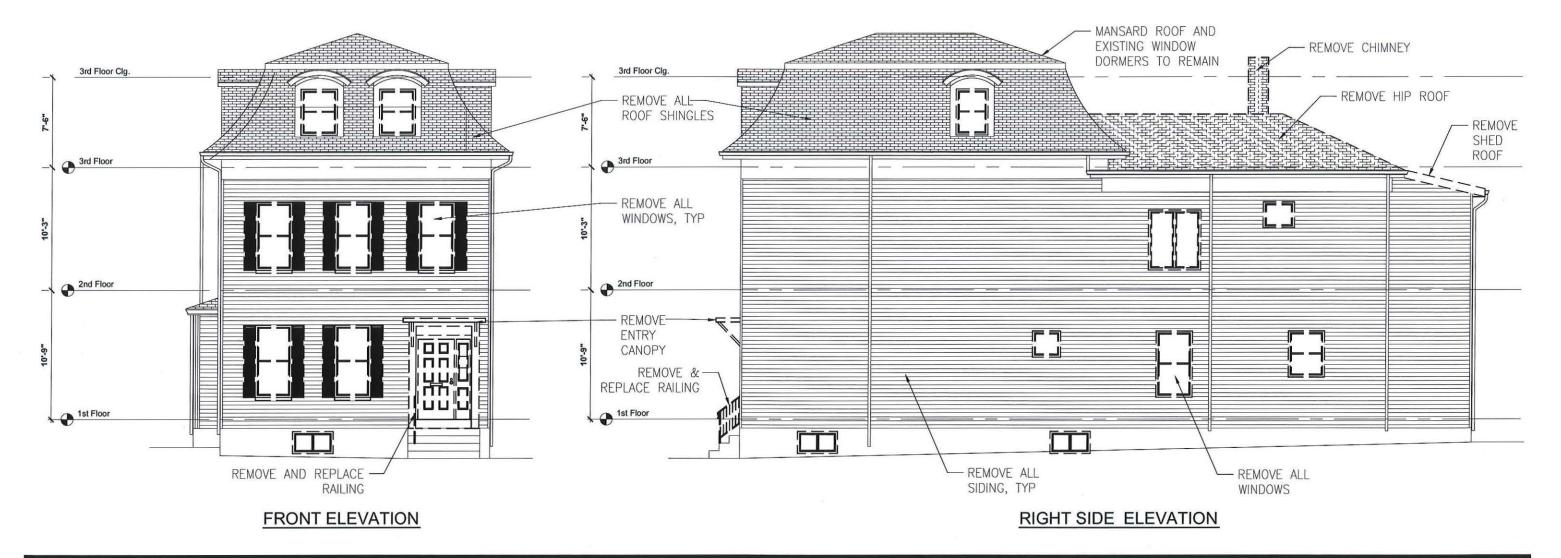


RENOVATIONS AND ADDITIONS 462 Cambridge St Cambridge, MA

GCD ARCHITECTS 2 Worthington St Cambridge, MA

10 NOV. 2021

BZA SET EXISTING PLANS 1/8" = 1'-0"



PROJECT

RENOVATIONS AND ADDITIONS 462 Cambridge St Cambridge, MA PREPARED BY:

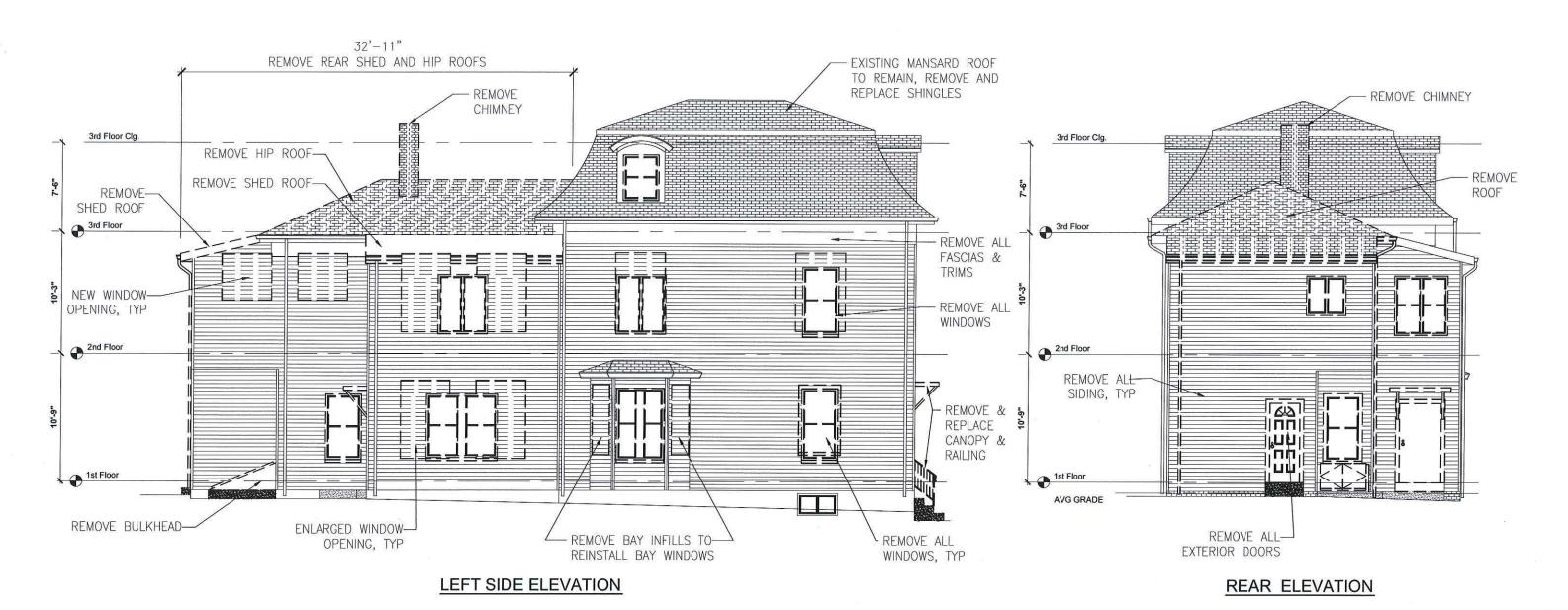
GCD ARCHITECTS 2 Worthington St Cambridge, MA DATE: 10 NOV. 2021

DRAWING:

BZA SET EXISTING ELEVATIONS

SCALE: 1/8" = 1'-0"

D2.1



DDO IFOT

462 Cambridge St

Cambridge, MA

RENOVATIONS AND ADDITIONS

PREPARED BY:

Cambridge, MA

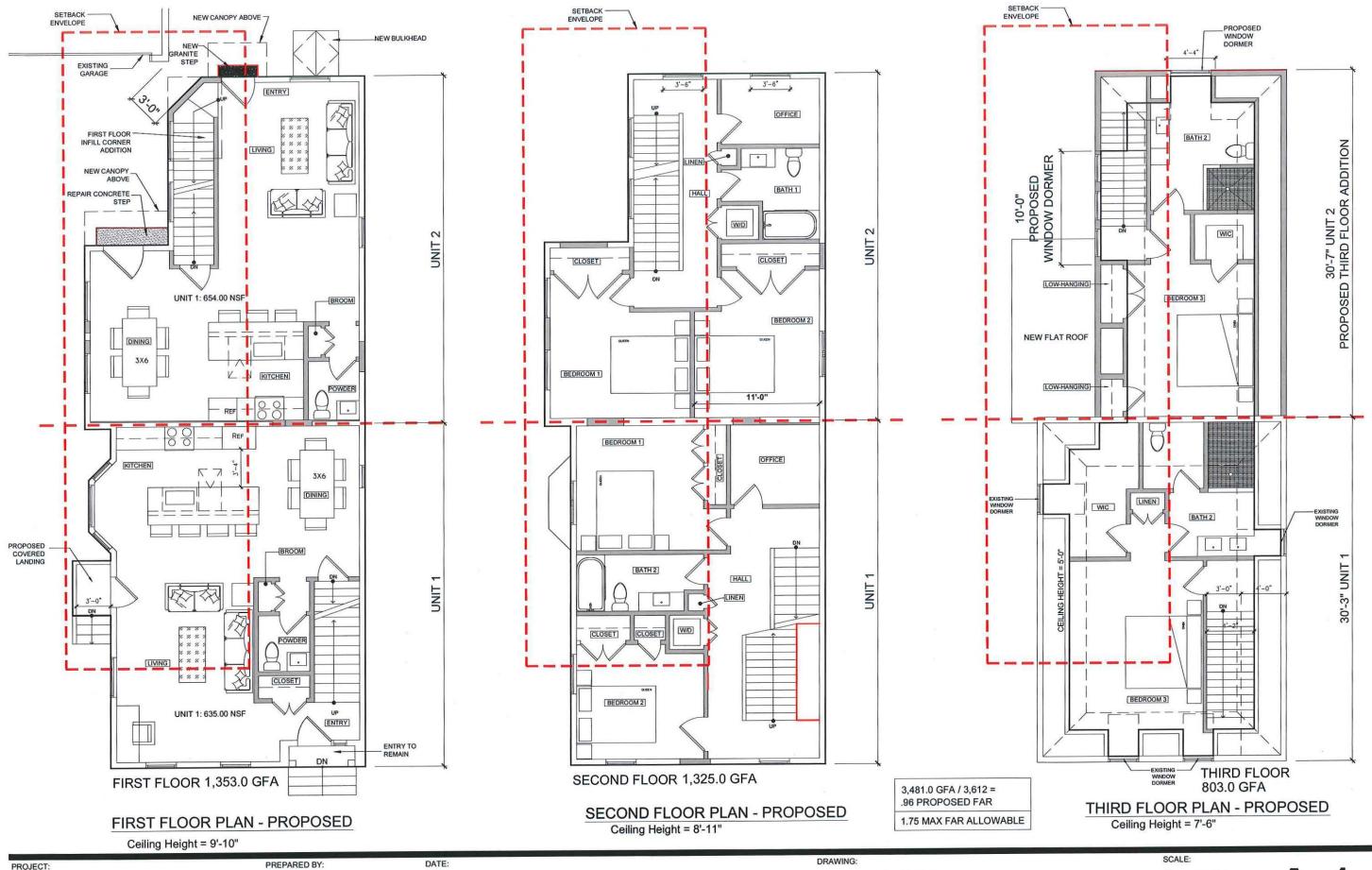
DATE

GCD ARCHITECTS 2 Worthington St

10 NOV. 2021

BZA SET EXISTING ELEVATIONS SCALE: $\frac{1}{8}$ " = 1'-0"

D2.2



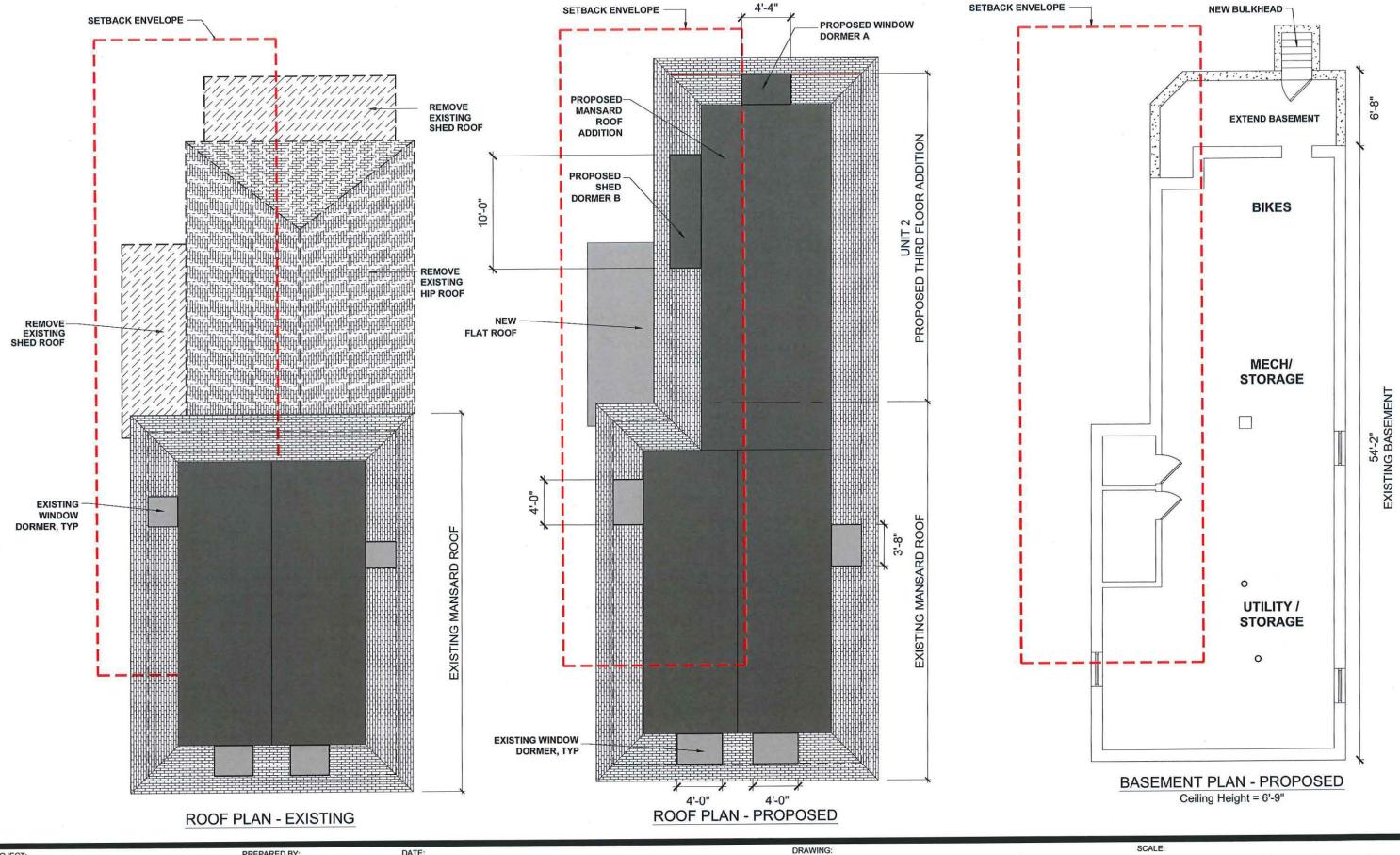
RENOVATIONS AND ADDITIONS 462 Cambridge St Cambridge, MA

GCD ARCHITECTS

2 Worthington St Cambridge, MA

10 NOV. 2021

BZA SET PROPOSED PLANS 1/8" = 1'-0"



RENOVATIONS AND ADDITIONS 462 Cambridge St Cambridge, MA

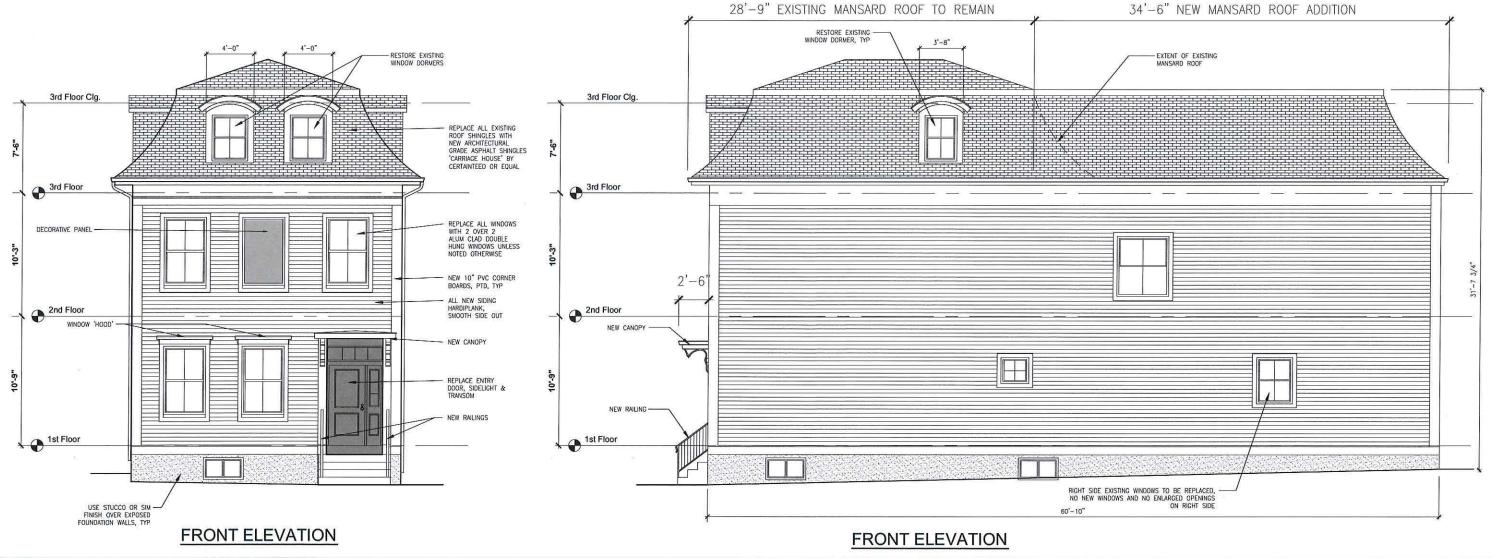
PREPARED BY:

GCD ARCHITECTS 2 Worthington St Cambridge, MA

10 NOV. 2021

BZA SET PROPOSED PLANS 1/8" = 1'-0"

A1.2



PROJECT:

RENOVATIONS AND ADDITIONS 462 Cambridge St Cambridge, MA PREPARED BY:

GCD ARCHITECTS 2 Worthington St Cambridge, MA DATE:

10 NOV. 2021

DRAWING;

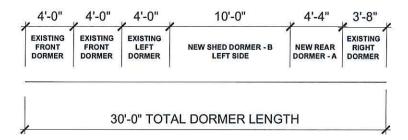
BZA SET PROPOSED ELEVATIONS

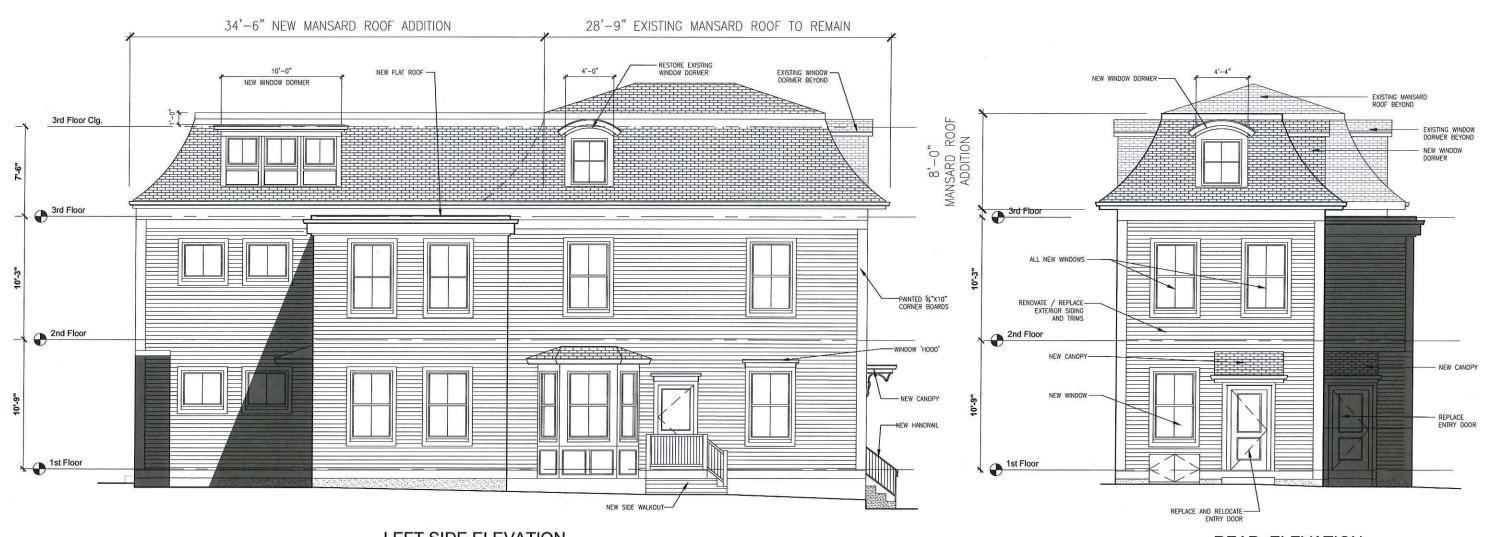
SCALE:

½" = 1'-0"

A3.1

TOTAL DORMERS





LEFT SIDE ELEVATION

REAR ELEVATION

RENOVATIONS AND ADDITIONS 462 Cambridge St Cambridge, MA

PREPARED BY:

GCD ARCHITECTS 2 Worthington St Cambridge, MA

DATE:

10 NOV. 2021

BZA SET PROPOSED ELEVATIONS 1/8" = 1'-0"

A3.2

PROJECT ADDRESS: 462 CAMBRIDGE ST, CAMBRIDGE, MA 02139 LOT SIZE: 3,612 SF

ZONING DISTRICT: BUSINESS A (5.28.1.A) DWELLINGS IN NON RESIDENTIAL DISTRICTS: B-A DISTRICT SAME DIMENSIONAL REQUIREMENTS AND OTHER RESTRICTIONS AS A DWELLING IN A RESIDENCE C-2B DISTRICT

ZON	VING LI	EGEND	
ZONING DI	STRICT:	BUSINES	S C2B
	REQUIRED	EXISTING	PROPOSED
MIN. LOT SIZE	5,000 S.F.	3,612 S.F. (M)	NO CHANGE
MIN, LOT AREA PER DWELLING UNIT	600 S.F.	1,765± S.F. (M) 1,806± S.F. (R)	NO CHANGE
MIN. YARD FRONT	10'	1.25'	NO CHANGE
SIDE (RIGHT) (A)	13.4'	2.5'	NO CHANGE
SIDE (LEFT) (A)	13.4'	11.9	NO CHANGE
REAR (A)	20'	23.9'	NO CHANGE
MAX. BLDG. HEIGHT (B)	45'	30.0*	33.0
MIN OPEN SPACE	15%	0.04%	25%
MIN. LOT WOTH	50"	42*	NO CHANGE
MAX. F.A.R,	1.75	.84	.95

ZONING BYLAWS FOOTNOTES:

FRONT SETBACK: $\rm H+L/4$ (33.0'+60.8'/5 = 18.16') IN NO CASE MAY A BUILDING BE NEARER THE STREET THAN TWENTY (10) FEET.

REAR SETBACK: H+L/4 (33.0'+60.8'/5 = 18.16') IN NO CASE MAY A BUILDING BE NEARER THE REAR LOT LINE THAN TWENTY (20) FEET.

SIDE SETBACK: H+L/7* (33.0'+60.8'/7 = 13.4' REQUIRED PER EXISTING HEIGHT SIDE SETBACK: H+L/7* (33.0'+60.8'/7 = 13.4' REQUIRED PER INCREASE HEIGHT

*(5.24.4.1) FOR BLDG LESS THAN 40' IN HEIGHT THE DENOMINATOR MAY BE INCREASED BY 2

B) EXISTING AVERAGE HEIGHT

(34.14'x32.29') + (27.14'x21.62') + (22.65'x6.92')

HEIGHT 1 34.14' HEIGHT 2 27.14' HEIGHT 3 22.65'

LENGTH 1 32.29' LENGTH 2 21.62' LENGTH 3 6.92'

32.29' + 21.62' + 6.92' 1,851 / 60.83 = 30'-0" AVERAGE HEIGHT

B) PROPOSED AVERAGE HEIGHT

(34.14'x32.29') + (27.14'x28.54')

LENGTH 1 32.29' LENGTH 2 28.54 2,005/ 60.83 = 33'-0" AVERAGE HEIGHT

3,612.00 SF LOT * 1.75 = 6,321.00 ALLOWABLE

PROPOSED GFA = 3,418.00 GFA EXISTING GFA = 3,054.00 GFA

EXISTING GFA CALCS:

EXISTING GFA CALCS:
FIRST FLOOR SECOND FLOOR THIRD FLOOR
1,303.0 GFA + 1,325.0 GFA + 426.0 GFA* = 3,054.0 /3,612.0 SF LOT = .84 FAR EXISTING

EXISTING GFA CALCS:

EXISTING GFA CALCS.

FIRST FLOOR SECOND FLOOR THIRD FLOOR
1,370.0 GFA + 1,325.0 GFA + 756.0 GFA* = 3,451.0 /3,612.0 SF LOT = .95 FAR PROPOSED

*THIRD FLOOR SPACE WITH 5'-0" OR GREATER HEAD HEIGHT

.15 X 3,612.00 SF LOT = 541.80 REQUIRED PRIVATE OPEN SPACE

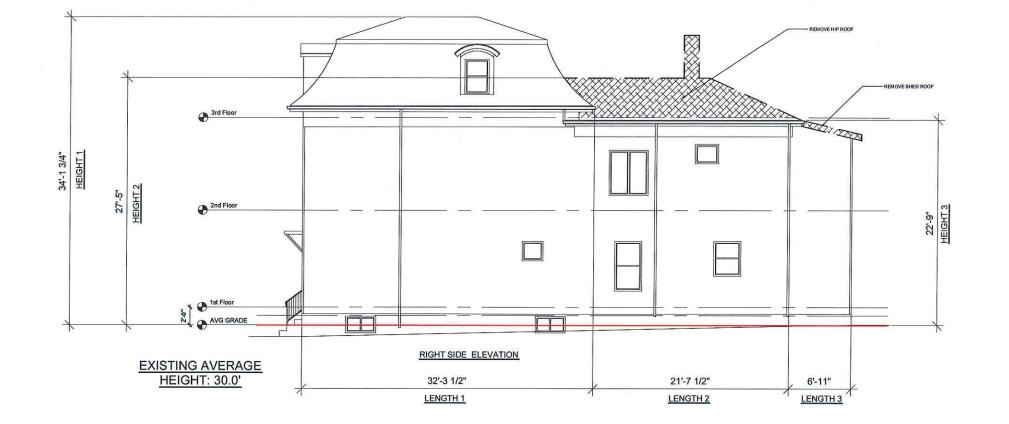
.50 X 541.0 SF = 270.5 REQUIRED USABLE SPACE WITH 15X15 MIN DIMS

EXISTING OPEN SPACE: 162.0 SF / 3,612 = .04

PROPOSED OPEN SPACE, 920.0 SF

PROPOSED USUABLE OPEN SPACE WITH 15'X15' MIN DIMS, 392.0 SF







PREPARED BY:

GCD ARCHITECTS

2 Worthington St Cambridge, MA

10 NOV. 2021

BZA SET ZONING CALCS

 $\frac{3}{32}$ " = 1'-0"

Z11

EXIST	ING LEGEND
	SEWER LINE
S	SEWER MANHOLE
v	WATER LINE
—— G ——	GAS LINE
ക	UTILITY POLE
cv ⊠	GAS VALVE
— Е	OVERHEAD ELECTRIC SERVICE
₩	WATER VALVE
	CATCH BASIN
-	FENCE
205	CONTOUR LINE (MJR)
195	CONTOUR LINE (MNR)
×	SPOT GRADE
0	DRAIN MANHOLE
¥	HYDRANT
€ `	TREE

ZONING LEGEND						
ZONING DISTRICT: BUSINESS C2B						
	REQUIRED	EXISTING				
MIN. LOT SIZE	5,000 S.F.	3,612 S.F. (M)				
MIN. LOT AREA PER DWELLING UNIT	600 S.F.	1,785± S.F. (M) 1,806± S.F. (R)				
MIN. YARD FRONT	10*	1.1'				
SIDE (RIGHT) (A)	13.4'	2.4'				
SIDE (LEFT) (A)	13.4'	14.8'				
REAR (A)	20'	23.8'				
MAX. BLDG. HEIGHT (B)	45'	31.3'				
MIN OPEN SPACE	15%	0%				
MIN. LOT WIDTH	50'	42'				
MAX. F.A.R.	1.75	.84				

FRONT SETBACK: H+L/4 (33.0'+60.8'/5 = 18.16')
IN NO CASE MAY A BUILDING BE NEARER THE STREET THAN TWENTY (10) FEET.

REAR SETBACK: H+L/4 (33.0'+60.8'/5 = 18.16')
IN NO CASE MAY A BUILDING BE NEARER THE REAR LOT LINE THAN TWENTY (20) FEET.

SIDE SETBACK: H+L/7+ (33.0'+60.8'/7 = 13.4' REQUIRED PER EXISTING HEIGHT

SIDE SETBACK: H+L/7+ (33.0'+60.8'/7 = 13.4' REQUIRED PER INCREASE HEIGHT

ZONING BYLAWS FOOTNOTES:

*(5.24.4.1) FOR BLDG LESS THAN 40' IN HEIGHT THE DENOMINATOR MAY BE INCREASED BY 2

B) EXISTING AVERAGE HEIGHT

HEIGHT 1 34.14' HEIGHT 2 27.14' (34.14'x32.29') + (27.14'x21.62') + (22.65'x6.92')

HEIGHT 2 27.14'
HEIGHT 3 22.65'

LENGTH 1 32.29'
LENGTH 2 21.62'
LENGTH 2 21.62'
LENGTH 3 6.92'

1,851 / 60.83 = 30'-0" AVERAGE HEIGHT

B) PROPOSED AVERAGE HEIGHT

HEIGHT 1 34.14' HEIGHT 2 27.14' LENGTH 1 32.29' LENGTH 2 28.54

(34.14'x32.29') + (27.14'x28.54') 32.29' + 28.54

2,005/ 60.83 = 33'-0" AVERAGE HEIGHT

FAR

3,612.00 SF LOT * 1.75 = 6,321.00 ALLOWABLE

PROPOSED GFA = 3,418.00 GFA

EXISTING GFA = 3,054.00 GFA

EXISTING GFA CALCS:

FIRST FLOOR SECOND FLOOR THIRD FLOOR

1,303.0 GFA + 1,325.0 GFA + 426.0 GFA* = 3,054.0 /3,612.0 SF LOT =

EXISTING GFA CALCS: .84 FAR EXISTING

FIRST FLOOR SECOND FLOOR THIRD FLOOR

1,370.0 GFA + 1,325.0 GFA + 756.0 GFA* = 3,451.0 /3,612.0 SF LOT =

.95 FAR PROPOSED

*THIRD FLOOR SPACE WITH 5'-0" OR GREATER HEAD HEIGHT

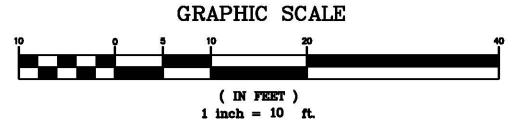
PRIVATE OPEN SPACE

.15 \times 3,612.00 SF LOT = 541.80 REQUIRED PRIVATE OPEN SPACE .50 \times 541.0 SF = 270.5 REQUIRED USABLE SPACE WITH 15 \times 15 MIN DIMS EXISTING OPEN SPACE: 0 SF

EXISTING USABLE OPEN SPACE: 0 SF

PROPOSED OPEN SPACE, 818.0 SF

PROPOSED USUABLE OPEN SPACE WITH 15'X15' MIN DIMS, 392.0 SF



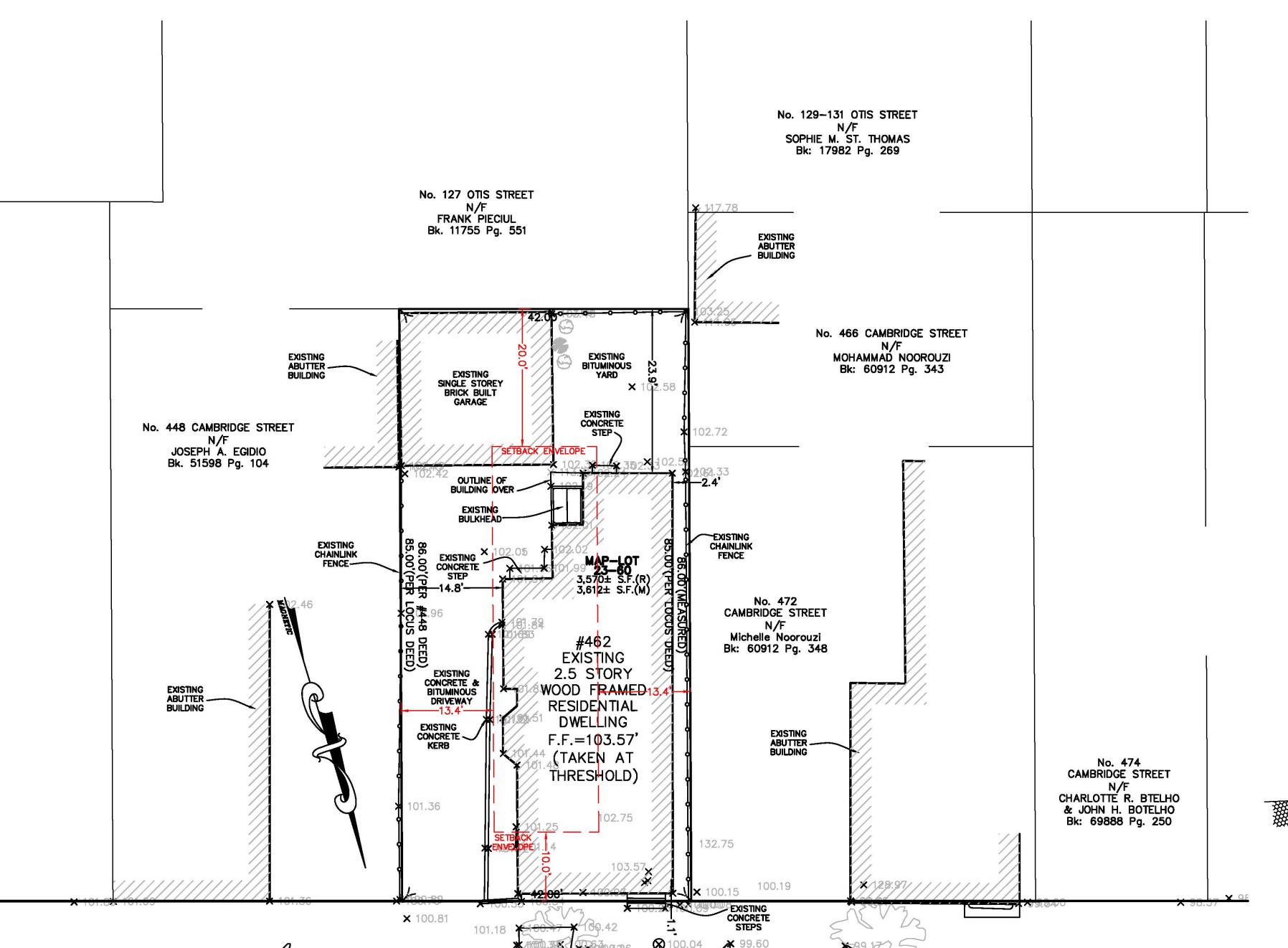
THE EXTERN NOLAN & ASSOCIATES LLC SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, OR PROCEDURES UTILIZED BY CONTRACTOR, NOR FOR THE SAFETY OF PUBLIC OR CONTRACTOR'S EMPLOYEES; OR FOR THE FAILURE OF THE CONTRACTOR TO CARRY OUT THE NORKING ACCORDANCE WITH THE CONTRACT DOCUMENTS.

THE EXTENT OF PETER NOLAN & ASSOCIATES LIABILITY FOR THIS PLAN IS LIMITED TO THE EXTENT OF ITS FEE LESS THIRD PARTY COST

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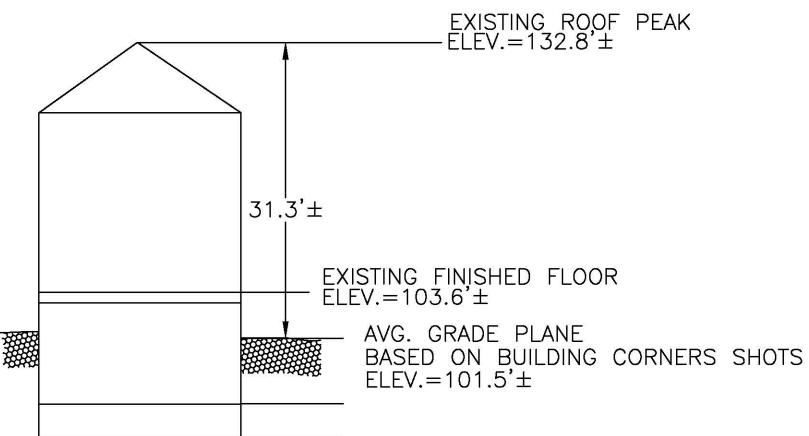
CAMBRIDGE STREET

EXISTING STREET PARKING METER

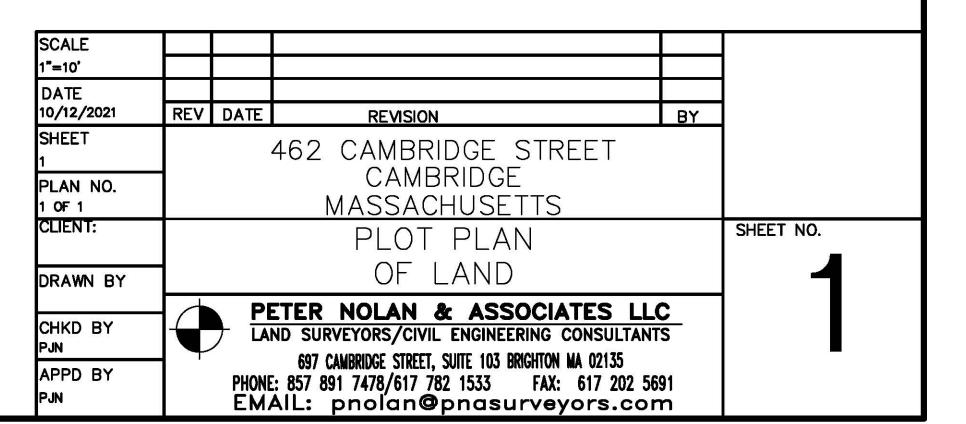
(PUBLIC WAY - 66' WIDE)

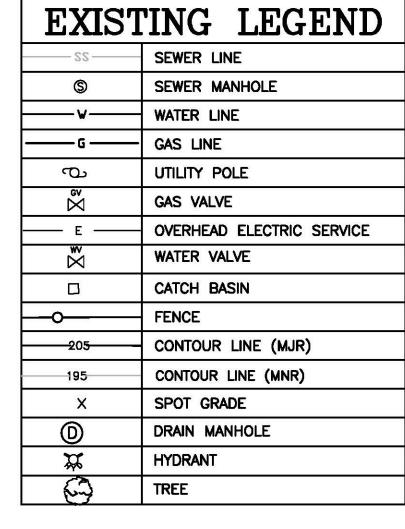
NOTES:

- 1. INFORMATION SHOWN ON THIS PLAN IS THE RESULT OF A FIELD SURVEY PERFORMED BY PETER NOLAN & ASSOCIATES LLC AS OF 10-01-2021.
- 2. DEED REFERENCE: BOOK 65056 PAGE 105, MIDDLESEX SOUTH DISTRICT REGISTRY OF DEEDS.
- 3. THIS PLAN IS NOT INTENDED TO BE RECORDED.
- 4. I CERTIFY THAT THE DWELLING SHOWN IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD ZONE. IT IS LOCATED IN ZONE X, ON FLOOD HAZARD BOUNDARY MAP NUMBER 25017C0577E, PANEL NUMBER 0577E, COMMUNITY NUMBER: 250186, DATED JUNE 04, 2010.
- 5. THIS PLAN DOES NOT SHOW ANY UNRECORDED OR UNWRITTEN EASEMENTS WHICH MAY EXIST. A REASONABLE AND DILIGENT ATTEMPT HAS BEEN MADE TO OBSERVE ANY APPARENT USES OF THE LAND; HOWEVER THIS NOT CONSTITUTE A GUARANTEE THAN NO SUCH EASEMENTS EXIST.
- 6. FIRST FLOOR ELEVATIONS ARE TAKEN AT THRESHOLD.
- 7. NO RESPONSIBILITY IS TAKEN FOR ZONING TABLE AS PETER NOLAN & ASSOCIATES LLC ARE NOT ZONING EXPERTS. TABLE IS TAKEN FROM TABLE PROVIDED BY LOCAL ZONING ORDINANCE. CLIENT AND/OR ARCHITECT TO VERIFY THE ACCURACY OF ZONING ANALYSIS.
- 8. ZONING DISTRICT = BUSINESS A



EXISTING PROFILE NOT TO SCALE





ZONING LEGEND ZONING DISTRICT: BUSINESS C2B REQUIRED **EXISTING PROPOSED** 5,000 S.F. MIN. LOT SIZE 3,612 S.F. (M) NO CHANGE 1,785± S.F. (M) 1,806± S.F. (R) MIN. LOT AREA PER DWELLING UNIT NO CHANGE 600 S.F. MIN. YARD FRONT NO CHANGE 1.1' SIDE (RIGHT) (A) 13.4' 2.4 NO CHANGE 14.8 SIDE (LEFT) (A) 13.4 NO CHANGE NO CHANGE REAR (A) 23.8' 20' MAX. BLDG. HEIGHT (B) 45' 33.0' 31.3 MIN OPEN SPACE 0.0% 25% 15% MIN. LOT WIDTH NO CHANGE 50' **42**' MAX. F.A.R. 1.75 .84 .95

FRONT SETBACK: H+L/4 (33.0'+60.8'/5 = 18.16') IN NO CASE MAY A BUILDING BE NEARER THE STREET THAN TWENTY (10) FEET. REAR SETBACK: H+L/4 (33.0'+60.8'/5 = 18.16') IN NO CASE MAY A BUILDING BE NEARER THE REAR LOT LINE THAN TWENTY (20) FEET. SIDE SETBACK: H+L/7* (33.0'+60.8'/7 = 13.4' REQUIRED PER INCREASE HEIGHT

ZONING BYLAWS FOOTNOTES:

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B) EXISTING AVERAGE HEIGHT

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1,851 / 60.83 = 30'-0" AVERAGE HEIGHT

B) PROPOSED AVERAGE HEIGHT HEIGHT 1 34.14' HEIGHT 2 27.14' (34.14'x32.29') + (27.14'x28.54')

2,005/ 60.83 = 33'-0" AVERAGE HEIGHT

3,612.00 SF LOT * 1.75 = 6,321.00 ALLOWABLE PROPOSED GFA = 3,418.00 GFA EXISTING GFA = 3,054.00 GFA

FIRST FLOOR SECOND FLOOR THIRD FLOOR
1,303.0 GFA + 1,325.0 GFA + 426.0 GFA* = 3,054.0 /3,612.0 SF LOT = .84 FAR EXISTING EXISTING GFA CALCS: FIRST FLOOR SECOND FLOOR THIRD FLOOR 1,370.0 GFA + 1,325.0 GFA + 756.0 GFA* = 3,451.0 /3,612.0 SF LOT = .95 FAR PROPOSED

*THIRD FLOOR SPACE WITH 5'-0" OR GREATER HEAD HEIGHT

PRIVATE OPEN SPACE

.15 X 3,612.00 SF LOT = 541.80 REQUIRED PRIVATE OPEN SPACE .50 X 541.0 SF = 270.5 REQUIRED USABLE SPACE WITH 15X15 MIN DIMS

EXISTING OPEN SPACE: 0 SF EXISTING USABLE OPEN SPACE: 0 SF

PROPOSED OPEN SPACE, 818.0 SF

GRAPHIC SCALE (IN FEET) 1 inch = 10 ft.

THE EXTENT OF PETER NOLAN & ASSOCIATES LIABILITY FOR THIS PLAN IS LIMITED TO THE EXTENT OF ITS FEE LESS THIRD PARTY C COPYRIGHT 2021 PETER NOLAN & ASSOCIATES LLC

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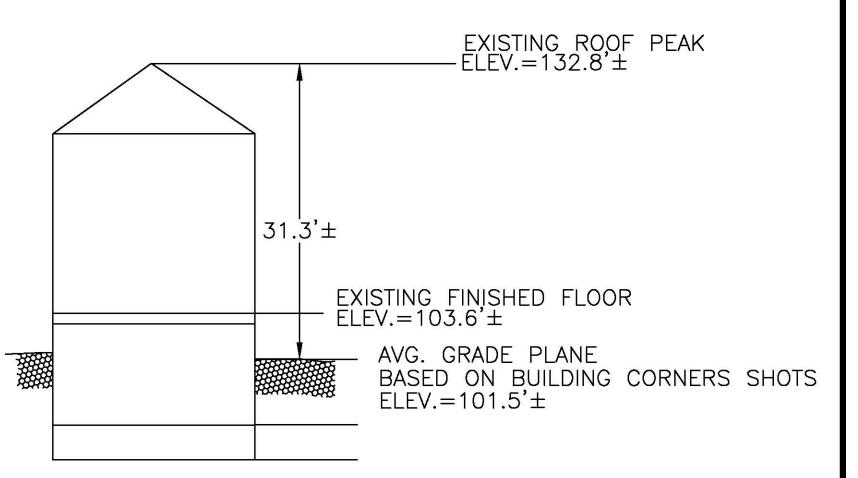
No. 129-131 OTIS STREET SOPHIE M. ST. THOMAS Bk: 17982 Pg. 269 No. 127 OTIS STREET FRANK PIECIUL Bk. 11755 Pg. 551 MAP-LOT 23-60 3,570± S.F.(R) 3,612± S.F.(M) No. 466 CAMBRIDGE STREET N/F MOHAMMAD NOOROUZI PROPOSED LANDSCAPE AREA EXISTING ABUTTER ---Bk: 60912 Pg. 343 **EXISTING** BUILDING SINGLE STOREY **BRICK BUILT** GARAGE No. 448 CAMBRIDGE STREET N/F JOSEPH A. EGIDIO Bk. 51598 Pg. 104 EXISTING BUILDING-OVERHANG ADDITION/INFILL PROPOSED CANCEY EXISTING CHAINLINK FENCE EXISTING CHAINLINK No. 472 CAMBRIDGE STREET PROPOSED PERVIOUS PAVERS Michelle Noorouzi Bk: 60912 Pg. 348 17777777 EXISTING ABUTTER — BUILDING **EXISTING** 2.5 STORY EXISTING ABUTTER ----BUILDING WOOD FRAMED No. 474 ⁴RESIDENTIAL FROMOSED COVERED LANDING & STEPS CAMBRIDGE STREET DWELLING N/F CHARLOTTE R. BTELHO & JOHN H. BOTELHO Bk: 69888 Pg. 250 F.F.=103.57_(TAKEN2-AT THRESHOLD) × 100.81 STREET
PARKING METER

CAMBRIDGE STREET

(PUBLIC WAY - 66' WIDE)

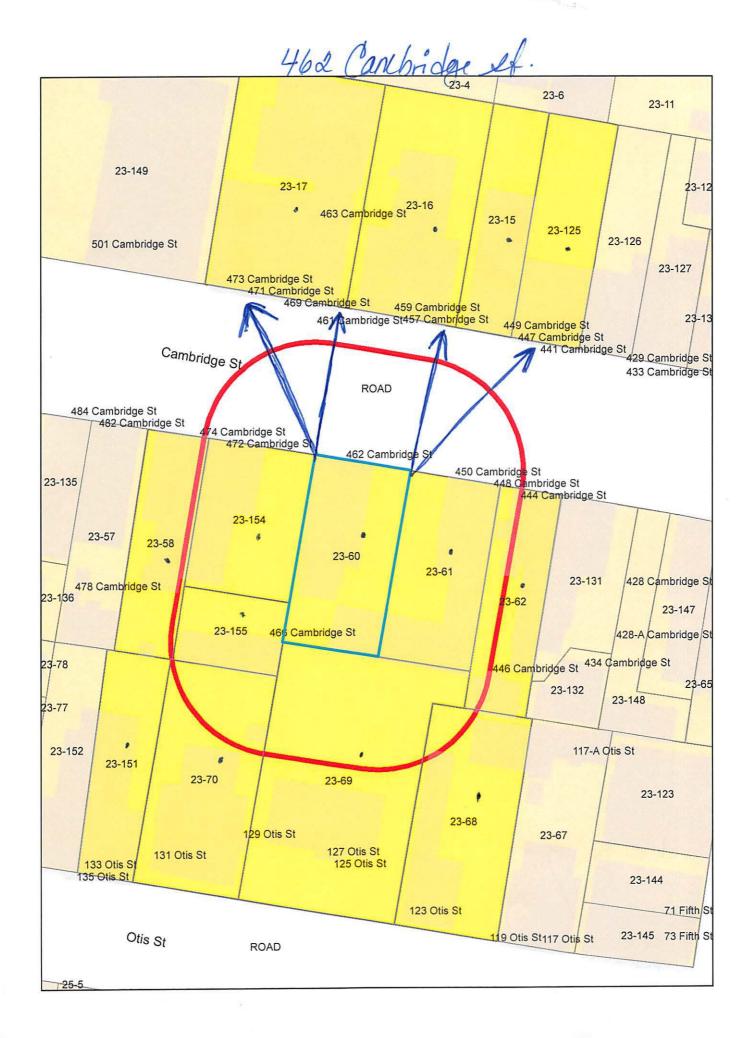
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- 8. ZONING DISTRICT = BUSINESS A



EXISTING PROFILE NOT TO SCALE

SCALE 1"=10"					
DATE					
11/08/2021	REV	DATE	REVISION	BY	
SHEET 1		,	462 CAMBRIDGE STREET		
PLAN NO. 1 OF 1			CAMBRIDGE MASSACHUSETTS		
CLIENT:			PROPOSED		SHEET NO.
DRAWN BY			SITE PLAN		4
CHKD BY PJN		100	TER NOLAN & ASSOCIATES LLO ND SURVEYORS/CIVIL ENGINEERING CONSULTANT		
APPD BY PJN	-	PHONE	697 CAMBRIDGE STREET, SUITE 103 BRIGHTON MA 02135 : 857 891 7478/617 782 1533 FAX: 617 202 569 AIL: pnolan@pnasurveyors.cor	91 n	



462 Cambridge XX

23-155 466 CAMBRIDGE STREET LLC 466 CAMBRIDGE ST CAMBRIDGE, MA 02139

23-125 JUREIDINI, PAUL M. 447 CAMBRIDGE ST UNIT #3 CAMBRIDGE, MA 02141

23-61 EGIDIO, JOSEPH A., JR.& CAROL A. EGIDIO TRS 448 CAMBRIDGE REALTY TRUST 29 ROSEMARY AVE WAKEFIELD , MA 01880

23-15 WAH NG, TOMMY 449 CAMBRIDGE ST CAMBRIDGE, MA 02141

23-151 SALIBA, SHUKRI & ESTEPHEN SALIBA 133 OTIS ST CAMBRIDGE, MA 02141

23-154 472 CAMBRIDGE STREET LLC 472 CAMBRIDGE ST CAMBRIDGE, MA 02141 23-125 ERTEL, DANNY & SARAH J. REYNOLDS 265 MARLBORO RD SUDBURY, MA 01776

23-68 MCAVEENEY STEVEN & JULIE 123 OTIS ST CAMBRIDGE, MA 02141

23-17 465-471 CAMBRIDGE ST LLC 228 PARK AVE S PMB 35567 NEW YORK, NY 100003-1502

23-70 ST. THOMAS, LORRAINE & BARBARA KLUCHNICK, TRUSTEES 131 OTIS ST CAMBRIDGE, MA 02141

23-16
CAMBRIDGE COMMUNITY HOUSING DEV INC
C/O HOMEOWNER'S REHAB INC
280 FRANKLIN ST
CAMBRIDGE, MA 02139

23-125 JUREIDINI, PAUL M. 447 CAMBRIDGE ST., #3 CAMBRIDGE, MA 02141 GCD ARCHITECTS
C/O ADAM GLASSMAN, R.A
2 WORTHINGTON STREET
CAMBRIDGE, MA 02138

23-60 PACHECO 462 CAMBRIDGE STREET LLC 54 LARCHWOOD DR CAMBRIDGE, MA 02138

23-69 PIECIUL, BARRY 127 OTIS ST CAMBRIDGE, MA 02141

23-62 SATORIA LLC 88 THORNDIKE ST CAMBRIDGE, MA 02141

23-58
BOTELHO, CHARLOTTE R. & JOHN H. BOTELHO
TRS, THE BOTELHO FAM REALTY TR
474 CAMBRIDGE ST
CAMBRIDGE, MA 02141

MARIO MASSIMINO 20 PARK PLAZA – SUITE 820 BOSTON, MA 02116