410 MASS AVE : RESIDENCES 410 MASSACHUSETTS AVENUE, BOSTON, MASSACHUSETTS

	RC	HITECTUR		. AE	BBREVIATIO	JN	S				
A	& AB ACFL ACOUS ACT AD ADD ADD ADJ ADJ ADJ ADJ ADJ ADJ ALT ALUM ALT ALUM ALT ALUM APC APROX ARCH AUTO AWT	AND ANCHOR BOLT ACCESS FLOOR ACOUSTIC ACOUSTIC CEILING TILE AREA DRAIN ADDENDUM ADDITIONAL ADJUSTABLE ADJACENT ADMINISTRATION ABOVE FINISHED FLOOR AIR HANDLING UNIT ALTERNATE ALUMINUM ANNUNCIATOR ACCESS PANEL ARCHITECTURAL PRECAST CONCRETE APPROXIMATE ARCHITECTURAL AUTOMATIC ACOUSTIC WALL TREATMENT		E EC EIFS EJT EL ELEC ELEV EMERG ENCL ENTR EQ EQUIP ES EWC EXA EXC EXH EXIST EXP EXT	EXISTING ELECTRIC CABINET EXTERIOR INSULATION AND FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRICAL ELEVATOR EMERGENCY ENCLOSURE ENTRANCE ELECTRIC PANEL EQUIPMENT END SECTION ELECTRIC WATER COOLER EXHAUST AIR EXCAVATE/-ED/-ION EXHAUST HOOD EXISTING EXPANSION EXTERIOR	<u>L</u> <u>М</u>	L LAV LB LCD LF LIN LKH LLV LOC LPT LS LT G R LWC M MAN	ANGLE LAVATORY LAVATORY POUND LINEAR CEILING DIFFUSER LINE FIGURED LINEAR/-L LOCKER LONG LEG HORIZONTAL LONG LEG VERTICAL LINEAR METAL COATING LOCATE/-ION LOW POINT LAWN SPRINKLING LIGHT LIGHTING LOUVER LINEAR WOOD CEILING	<u>S</u>	S SCHED SD SDISP SEC SECT SF SH SHD SHT SHTG SIM SL SLNT SLV SM SNC SND SOG SP SPEC	SINK SCHEDULE SHOWER DRAIN SMOKE DAMPER SOAP DISPENSER SECRETARY SECTION STOREFRONT SQUARE FEET SHOWER SHOWER HEAD SHEET SHEATHING SIMILAR SEALER SEALER SEALER SEALER SEALER SEALER SURFACE MOUNTED SANITARY NAPKIN CABINET SANITARY NAPKIN CABINET SANITARY NAPKIN DISPOSER SLAB ON GRADE STANDPIPE SPECIFICATIONS
B	BA BBD BC BD BFE BG BIT BKT BLDG BLKG BLT BLW BM BO BOF BOT BR BOF BOT BR BRG BRL BSMT BTWN BUR	BUILDING ACCESSORY BULLETIN BOARD BRICK COURSES BOARD BOTTOM OF FOOTING ELEVATION BUMPER GUARD BITUMINOUS BRACKET BUILDING BLOCKING BORROWED LIGHT BELOW BEAM BY OWNER BY OWNE	E	FA FB FDN FDV FEC FGS FH FHV FIN FIL FLASH FLASH FLEX FLG FLR FF FRMG FS	FIRE ALARM FIRE BLANKET FLOOR DRAIN FOUNDATION FIRE DEPARTMENT VALVE FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FOAM GASKET SEAL FIRE HOSE FULL HEIGHT PARTITION FIRE HOSE VALVE FINISH/-ED FIXTURE FLOOR FLOOR FLOW LINE FLASHING FLEXIBLE FLANGE FLOOR FLUORESCENT FIRE PROOFING FRAMING FLOOR SINK	Ν	MATL MAX MBD MCU MECH MECH MET MEZZ MFR MH MID MIN MIN MIN MIN MIN MIN MIN MIN MIN MIN	MATERIAL MAXIMUM MARKER BOARD MEDICINE CABINET MODULAR COOLING UNIT MECHANICAL MEMBRANE METAL MEZZANINE MANUFACTURER MANUFACTURER MANHOLE MIDLE MINIMUM MIRROR MISCELLANEOUS MASONRY OPENING MONOLITHIC METAL PAN CEILING MULTI-PURPOSE UNIT MOUNTED MULLION	Ī	SPR SQ SQ YD SR SS ST STC STD STL STD STL STN STNL STOR STRUCT SUPV SUSP SW SW SWD SYM	SINGLE PLY ROOF SQUARE SQUARE YARD SERVICE RECEPTOR STAINLESS STEEL STONE STREET SOUND TRANSMISSION CLASS STANDARD STEEL STONE STONE LEDGE STORAGE STORAGE STRUCTURAL SUPERVISOR SUSPENDED STEEL WINDOW SWITCH SOFTWOOD SYMMETRICAL
<u>C</u>	C CAB CCT CD CDISP CG CG CJT CL CLG CLR CM CMU CO CO CONF CONF CONF CONF CONTF CONTF CONTF CONTF CONTF CONTF CONTF CORF CT CT CT CT CT CT CT CT CT CT CT CT CT	CHANNEL CABINET CLOSED CIRCUIT TELEVISION COILING DOOR CUP DISPENSER COILING GRILLE CORNER GUARD COAT HOOK CONTROL JOINT CENTER LINE CLASS CEILING CLEAR CONSTRUCTION MANAGER CONCRETE MASONRY UNIT CASED OPENING CLEAR CONCRETE MASONRY UNIT CASED OPENING CLEANOUT COLUMN COMBINATION/COMBINE CONCRETE CONFERENCE CONFERENCE CONFERENCE CONTRACT/-OR COONTRUCTION CONTINUE/CONTINUOUS CONTRACT/-OR COORDINATE CORRIDOR CARPET CERAMIC TILE CENTER COUNTERSUNK CABINET UNIT HEATER COLD WATER CURTAIN WALL CYLINDER	<u>G</u> Н	FS FSTOP FT FTG FTR FUR FUT GA GAL GAL GAL GB GC GEN GEN GEN GEN GEN GEN GEN GU GR GYP GYP SHT H H HDCP HDR HDCP HDR HDW HM HORIZ HPT HT HT HT HT HT HT HT HT HT HT HT HT HT	FULL SIZE FIRESTOPPING FOOT/FEET FOOTING FIN TUBE RADIATOR FURRING FUTURE GAUGE GALLON/-S GALVANIZED GRAB BAR GRADE BEAM GENERAL CONTRACTOR GENERAL GENERAL GENERATOR GLASS GLASS MASONRY UNIT GRADE GYPSUM WALL BOARD GYPSUM WALL BOARD GYPSUM SHEATHING HIGH/HEIGHT HOSE BIBB HAND DRYER HANDICAP HEADER HARDWARE HOLLOW METAL HORIZONTAL HIGH POINT HANDRAIL HEGHT HEATER HEATING VENTILATION AND AIB	<u>р</u>	NIC NO NOM NRC NT NTS OC OD OFF OH OP OP ORD PART PB PC PCD PED PL PLAM PLBG PLS PLW PL PL PL PL PL PL PL PL PL PL PL PR PR PR S PRESS PRIM PROJ PRV	NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NOTE NOT TO SCALE ON CENTER OUTSIDE DIAMETER OFFICE OVERHEAD OPERABLE PARTITION OPERATOR OPENING OPPOSITE OVERFLOW ROOF DRAIN PARTITION PUSH BUTTON PRECAST PAPER CUP DISPENSER PEDESTAL PLATE PLASTIC LAMINATE PLUMBING PLASTER PLYWOOD PROPERTY LINE PANEL PAIR PRELIMINARY PLASTIC RESIN PRESSURE PRIMARY PROJECTION POWER ROOF VENTILATOR	<u>U</u> ⊻	TBD TBD TBD TC TCAB TDISP TDR TEL TEMP TER TG TH TPG TPH TR TRANS TS TV TYP U UC UFD UG UH UNFIN UON US UTIL VC VENT VEST VR VTR	TACKBOARD TACKBOARD TO BE DETERMINED TIME CLOCK TOILET CABINET TISSUE DISPENSER TRENCH DRAIN TELEPHONE TEMPERED TERRAZZO TONGUE & GROOVE THRESHOLD TEMPERED PLATE GLASS TOILET PAPER HOLDER TREAD TRANSFORMER TUBE SECTION TELEVISION TYPICAL URINAL UNDER FLOOR DUCT UNDER GROUND UNIT HEATER UNFINISHED UNLESS OTHERWISE NOTED UTILITY VALVE CABINET VENTILATION VERTICAL VAPOR RETARDER VENT THROUGH BOOF
D	D DEMO DEPR DET DF DIA DIAG DIFF DIM DIST DISTR DIV DP DR DS DW DWG DWLS	DEPTH/DEEP DEMOLITION DEPRESSION DEPARTMENT DETAIL DRINKING FOUNTAIN DIAMETER DIAGONAL DIFFUSER DIMENSION DISTANCE DISTRIBUTE/-ION DIVISION DATA PROCESSING DOOR DOWNSPOUT DUMBWAITER DRAWING DOWELS	<u>Γ</u>	HW HWD IC ID IN INSUL INT ISO JAN JB JST JT KO	CONDITIONING HOT WATER HARDWOOD INTERCOM INSIDE DIAMETER INCH/-S INSULATION INTERIOR ISOLATION JANITOR JUNCTION BOX JOINT KNOCK OUT	<u>Q</u> <u>R</u>	PT PTC PTR PVC QT R R RA RAD RB RD RE REC REF REF REF REF REF REF REF REF REF REF	PAINT PAPER TOWEL CABINET PRINTER POLYVINYL CHLORIDE QUARRY TILE RADIUS RISER RETURN AIR RADIATE/-ION RESILIENT BASE ROOF DRAIN RELOCATE EXISTING RECESS/-ED REFERENCE REFRIGERATOR REGISTER REINFORCE/-ED/-ING REMOVE REQUIRED RETAIN/-ING REVERSE BEVISE	W	W W/W/O WC WD WDW WG WH WHCH WHTR WP WR WSCT WT WT WT WW WWF	WIDTH/WIDE WIDE FLANGE WITH WITHOUT WALL COVERING WATER CLOSET WOOD WINDOW WALL GUARD WALL GUARD WALL HYDRANT WHEELCHAIR WATER HEATER WATERPROOF WASTE RECEPTACLE WS WEATHERSTRIP WAINSCOT WEIGHT WINDOW TREATMENT WOOD WINDOW WELDED WIRE FABRIC

SYMBOL LEGEND



RESILIENT FLOOR

ROUGH OPENING

RAIN WATER LEADER

ROOF HATCH

ROUGH SLAB

ROOM

RF

RH

RM

RO

RS RWL

В



DESIGN/BUILD NOTES

DESIGN/BUILD DIMENSION NOTE:

DRAWINGS ARE FOR GENERAL REFERENCE ONLY AND SHOULD NOT BE DIRECTLY SCALED. DIMENSIONS INDICATED SHOW GENERAL LAYOUT INTENT ONLY. THE GENERAL CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS AND REVIEW ALL DISCREPANCIES WITH THE OWNER AND ARCHITECT PRIOR TO CONSTRUCTION.

DESIGN BUILD PROJECT REQUIREMENTS:

THE INTENT OF THIS DOCUMENT PACKAGE IS TO PROVIDE GENERAL INTERIOR DESIGN INFORMATION FOR THE DESIGN/BUILD CONSTRUCTION OF THE PROJECT. ALL OF THE CONSTRUCTION WORK FOR THE ARCHITECTURE AND INTERIOR DESIGN PORTIONS OF THE PROJECT SHALL BE CARRIED OUT ON A DESIGN/BUILD BASIS AND SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION WORK, AS REQUIRED, TO PROVIDE A COMPLETE PROJECT. WORK, AS REQUIRED FOR THESE SUB-CONTRACTOR TRADES SHALL BE CARRIED OUT ON A DESIGN/BUILD BASIS, AND SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL SUBMIT ALL CONSTRUCTION INFORMATION FOR THESE PORTIONS OF THE WORK TO THE OWNER/REPRESENTATIVE AND THE ARCHITECT FOR REVIEW AND GENERAL COORDINATION PRIOR COMMENCING WITH DESIGN/BUILD PORTIONS OF THE WORK.

IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE THE WORK OF THE MECHANICAL, ELECTRICAL PLUMBING, AND FIRE PROTECTION SUB-CONTRACTOR TRADES. THE GENERAL CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR THE WORK OF THESE SUB-CONTRACTOR TRADES AND ALL CONSTRUCTION REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, LOCAL BUILDING DEPARTMENT REQUIREMENTS, PERMITS, AFFIDAVITS, CODE COMPLIANCE WITH ALL NATIONAL AND LOCAL BUILDING CODES, AND ALL OTHER LAWS AND ORDINANCES GOVERNING THE WORK OF THESE TRADES.

PROJECT IMAGE



DRAWING RELEASE

PERN	MIT SET	05.02.22
DR	AWING IND	DEX
ARCH	HITECTURAL	
٩.000	COVER PAGE	
4.001	PROPOSED EXTERIC	R RENDERINGS
A.002	ADA / MAAB COMPL	ANCE
A.003	BUILDING CODE SUM	MMARY
A.004	EGRESS & OCCUPAN	ICY PLANS
EX.01	EXISTING BASEMEN	Γ PLAN
EX.02	EXISTING FIRST FLO	OR PLAN
EX.03	EXISTING SECOND F	LOOR PLAN
EX.04	EXISTING FRONT ELE	EVATION
EX.05	EXISTING SIDE ELEV	ATION
EX.06	EXISTING REAR ELE	ATION
AC.100	BOUNDARY/PLOT PL	AN
A.100	PROPOSED BASEME	NT PLAN
A.110	PROPOSED FIRST FL	.OOR PLANx
A.120	PROPOSED SECOND	FLOOR PLAN
A.130	PROPOSED THIRD FI	_OOR PLAN
A.140	PROPOSED FOURTH	FLOOR PLAN
A.150	PROPOSED FIFTH FL	OOR PLAN
A.160	PROPOSED ROOF PL	_AN
A.601A	PROPOSED FRONT E	ELEVATION - OPTION - A
A.601B	PROPOSED FRONT E	ELEVATION - OPTION - B
A.601C	PROPOSED FRONT E	ELEVATION - OPTION - C
A.602	PROPOSED REAR EL	EVATION
4.701	PROPOSED BUILDIN	G SECTION - TYPICAL

A.702 PROPOSED BUILDING SECTION - STAIR & ELEVATOR.



MECHANICAL, ELECTRICAL, PLUMBING

ALL MECHANICAL, ELECTRICAL, AND PLUMBING ENGINEERING AND DRAWINGS BY OTHERS (REFER TO DESIGN/BUILD NOTES) PENDING

STRUCTURAL

PENDING



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project

ADDITIONS AND PLANNING STUDIES

410 MASSACHUSETTS AVE. BOSTON, MA

CAD FILE:	
client	
	VINCO PROPERTIES 434 MASSACHUSETTS AVE. BOSTON, MA
contractor	

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STRUCTURAL ENGINEER ADDRESS CITY, STATE ZIP

MEP ENGINEER ADDRESS CITY, STATE ZIP

Issue /	revisions	·····
MARK	DATE	DESCRIPTION
	05.06.22	PERMIT SET
	12.05.22	DES DEV REV #1
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ADDITIONS AND PLANNING STUDIES

410 MASSACHUSETTS AVE. BOSTON, MA

CAD FILE:		
client		
	434	VINCO PROPERTIES 4 MASSACHUSETTS AVE BOSTON, MA
contrac	tor	
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EXTERIOR RENDERING -NIGHT VIEW SCALE: NTS

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ADDITIONS AND PLANNING STUDIES

410 MASSACHUSETTS AVE. BOSTON, MA

CAD FILE:							
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contrac	ral	CONTRACTOR ADDRESS CITY, STATE ZIP					
Structural STRUCTURAL ENGINEER ADDRESS CITY, STATE ZIP							
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DRWN / CHCKD sheet number





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) EXISTING MASSACHUSETTS AVENUE 2022 SCALE: NTS

project

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ADDITIONS AND PLANNING STUDIES

410 MASSACHUSETTS AVE. BOSTON, MA

CAD FILE: client

VINCO PROPERTIES 434 MASSACHUSETTS AVE. BOSTON, MA

contractor

CONTRACTOR ADDRESS CITY, STATE ZIP

STRUCTURAL ENGINEER ADDRESS CITY, STATE ZIP

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	05.06.22	PERMIT SET					
	12.05.22	DES DEV REV #1					

sheet title PROPOSED RENDERINGS

DRWN / CHCKD sheet number

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PROJECT OVERVIEW

TOTAL LOT AREA	3,422 SF	
TOTAL BLDG FOOTPRINT AREA	3,080 SF	
Height, Proposed @ Street: 5-Stories	61'-0"	
GROSS SF	17,103	
F.A.R.	4.99	
UNIT COUNT - RESIDENTIAL	9	
RETAIL UNITS	1	
PARKING SPACES	5	
PARKING SPACES PER UNIT	0.55	

	GSF	Retail Unit	Unit A	Unit B	Unit C	то
GARAGE	3,063					
1ST FLOOR	3,063	657	691	440		1,78
2nd FLOOR	3,063		937	696	439	2,07
3rd FLOOR	2,818		1,000	871		1,87
4th FLOOR	2,548		1,772			1,77
5th FLOOR	2,548		1,688			1,68
	17,103					9,19

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BUILDING CODE SUMMARY : MASSACHUSETTS

	APPLICABL	E CODES AND REGULA	TIONS	
780 CMR	MASSACHUSETTS STATE BUILDING CODE	9TH EDITION (2017)		
	International Building Code (IBC) [Amended]	2015		Complete renvoation and addition. Project must comply with 780 CMR per IFRC 801.3
	International Existing Building Code (IEBC) [Amended]	2015		
	International Mechanical Code (IMC) International Energy Conservation Code (IECC) [Amended]	2015 2018		
521 CMR	MASSACHUSETTS ARCHITECTURAL ACCESS BOARD RULES & REGULATIONS	2006		
248 CMB 10.00	Americans with Disabilities Act (ADA) Standards for Accessible Design MASSACHUSETTS UNIFORM STATE PLUMBING CODE	2010 2020		
527 CMR 12.00	MASSACHUSETTS ELECTRICAL CODE	2020		
524 CMB	NFPA 70-2020, National Electrical Code [Amended] MASSACHUSETTS BOARD OF FLEVATOR REGULATIONS	2020 2018		
527 CMR 1.00	MASSACHUSETTS COMPREHENSIVE FIRE SAFETY CODE	2015		
	NFPA 1-2015, Fire Code [Amended]			
ARTICLE	ITEM	REQUIREMENTS	ACTUAL	COMMENTS
302.1				
309.1 310.4	RESIDENTIAL GROUP R	м R-2	М R-2	Apartment Units on Floors 1 - 5
311.2	STORAGE GROUP S	S-2	S-2	Basement Parking
TABLE 508 1	REQUIRED SEPARATION OF OCCUPANCIES	EIGHTS AND AREAS		Use Groups M& S-2 must be separated from floors above to limit the beight
TABLE 500.4		SEPARATED WILLE USE		Use Gloups with 3-2 must be separated norm hoors above to minit the height.
TABLE 504.3 &	HEIGHT LIMIT	M: 3 ST. (75 FT) B-2: 5 ST. (75 FT)	M: 1 ST. (15 FT) B-2: 5 ST. (60 FT)	
504.4		S-2: 4 ST. (75 FT)	S-2: 1 ST. (15 FT)	
TABLE 506.2	AREA	м: 37,500 SF R-2: 48,000 SF	M: 3,000 SF R-2: 3,000 SF	
		S-2: 78,000 SF	S-2: 3,000 SF	
	ТҮР	ES OF CONSTRUCTION		
602.1	CONSTRUCTION CLASSIFICATION			
602.2 TABLE 601	I YPES I AND II FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING FI FMFNTS (HOURS)	TYPE IIB	TYPE IIB	Noncombustible materials
,	Primary Structural Frame	0 HOUR	COMPLIES	
	Bearing Walls Exterior	0 HOUR	COMPLIES	
	Interior	0 HOUR	COMPLIES	
	Nonbearing Wall and Partitions Exterior	0 HOUR	COMPLIES COMPLIES	
	Nonbearing Walls and Partitions			
	Interior	0 HOUR	COMPLIES	2ND FLOOR AND SUPPORTING CONSTRUCTION MUST BE 1 HR RATED TO CREATE
	Floor Construction and Associated Secondary Members		COMPLIES	SEPARATED USES
	FIRE AND SN			
		NOBTH & SOUTH: FSD = 0'	N & S: 1 HR RATED &	
705.5 & 705.8	EXTERIOR WALLS		NO OPENINGS E & W: NO RATING &	UL = Unlimited
		EAST & WEST: FSD > 10'	UL OPENINGS	
707.3.1 & 707.3.2 708.3	FIRE BARRIERS FIRE PARITTIONS	2 HOUR 1/2 HOUR	2 HOUR 1/2 HOUR	The building contains 2 exit stairs and an elevator shaft that connect all 5 floors. The building contains exit access corridors and dwelling unit separations.
711.2.4.1	HORIZONTAL ASSEMBLIES	1 HOUR	1 HOUR	The 2nd Floor assembly required for separated uses to limit the height of Use Groups M
711.2.4.3	HORIZONTAL ASSEMBLIES	1/2 HOUR	1/2 HOUR	The building contains dwelling unit separations.
712.1 & 713.4	VERTICAL OPENINGS	2 HOUR	2 HOUR	The building contains 2 exit stairs and an elevator shaft that connect all 5 floors.
TABLE 716.5	OPENING PROTECTIVES	1/2 HOUR WALL: 20 MIN.	20 MIN.	opening protection (780 CMR 716.5.3.1).
000.1		NTERIOR FINISHES		
803.1 TABLE 803.11	WALL AND CEILING FINISHES INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY			
	Interior Exit Stairways, Interior Exit Ramps and Exit Passageways	C	COMPLIES	
	Corridors and Enclosure for Exit Access Stairways and Exit Access Ramps Rooms and Enclosed Spaces	C	COMPLIES	Class C: Flame spread index 76-200; smoke-developed index 0-450 (803.1.1)
	FIRE	PROTECTION SYSTEMS		
TABLE 903.2	OCCUPANCY AUTOMATIC SPRINKLER REQUIREMENTS	BEQUIRED	COMPLIES	
905.3.1	STANDPIPE SYSTEMS	REQUIRED	COMPLIES	Top floor is more than 30' above FD vehicle access.
906.1 907.2.9	FIRE EXTINGUISHERS FIRE ALARM SYSTEM	REQUIRED REQUIRED	COMPLIES COMPLIES	Manual fire alarm system is required.
907.2.11	SINGLE- & MULTIPLE- STATION SMOKE ALARMS	REQUIRED	COMPLIES	Smoke alarms required in the dwelling units.
916.1	EMERGENCY RESPONDER RADIO COVERAGE	NOT REQUIRED	N/A	Emergency responder radio coverage only required in new buildings.
		IEANS OF EGRESS		
1004.1	DESIGN OCCUPANT LOAD MERCANTILE	60 GROSS	179	660 SF / 60 = 11
	RESIDENTIAL	200 GR055	FLOOR 1:66	2,340 SF / 200 = 12
	PARKING	200 GROSS	FLOORS 2 - 5: 15 79	3000 SF / 200 = 15 3000 SF / 200 = 15
1005.3	REQUIRED CAPACITY BASED ON OCCUPANT LOAD			
1005.3.1	Stairways	0.3 IN. / OCCUPANT	COMPLIES	15 occ. required; 2 exits w/ a total width of 72 / 0.3 " per occ. = 240 occ.
1005.3.2	Other Egress Components	0.2 IN. / OCCUPANT	COMPLIES	23 occ. required; 2 oxits w/ a total width of 68" / 0.2" per acc. 240 ccc.
TABLE 1006.3.1	MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY			2 = 540 =
	OCCUPANT LOAD PER STORY 1-500	2 SEPARATED BV 1/2 of	COMPLIES	2 exits provided on each floor. Eloor diagonal = 72
1007.1.1	EXIT AND EXIT ACCESS DOORWAY CONFIGURATION	DIAGONAL	COMPLIES	Stair doors separated by $30' (30' / 72' = 0.42 > 0.33)$
1009.2.1 & 1009.8	ACCESSIBLE MEANS OF EGRESS	ELEVATOR REQUIRED	COMPLIES	Elevator must be provided with stand-by power and 2-way communication system at each landing except Floor 1.
TABLE 1017.2	EXIT ACCESS TRAVEL DISTANCE	AFA ==		
		250 FT.	~5UFI.	
248 CMR 10.10	PLUMBING FIXTURES			
	DWELLING UNITS	1 per DWELLING UNIT		1 toilet room permitted since the tenant space is less than 2 000 SE
		ACCESSIBILITY		
521 CMR				
/.1 & 25.1			COMPLIES	Entrance must be accessible. Group 1 units are not required since it is an existing building renovation. Group 2 units
9.2.1 & 9.2.2			N/A	are not required since there are fewer than 20 units.
40.4	PUBLIC USE AND COMMON USE SPACES IN MULTIPLE DWELLINGS	NUI REQUIRED	N/A	since the existing building contains fewer than 12 units, compliance is not required.

HELCON DESIGN GROUP, INC. ARCHITECTS 76 SUMMER STREET, SUITE 510 BOSTON, MA 02110 T: 617-357-4437 INFO@HELICONDESIGN.COM							
PL/ 41	ADDITIONS AND PLANNING STUDIES 410 MASSACHUSETTS AVE. BOSTON, MA						
CAD FILE:							
contrac	434 tor	VINCO PROPERTIES MASSACHUSETTS AVE. BOSTON, MA					
structur	al	ADDRESS CITY, STATE ZIP					
MEP		ADDRESS CITY, STATE ZIP MEP ENGINEER ADDRESS					
issue / I	revisions	CITY, STATE ZIP					
MARK	DATE 05.06.22	DESCRIPTION PERMIT SET					
stamp		No.7812 BOSTON NO.7812 BOSTON MMASO (MASO) MMASO (MASO) M					
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		4.003					

scale

	USE GROUP S-2 (PARKING)
	USE GROUP M (RETAIL)
	USE GROUP R2 (RESIDENTIAL)
	EXIT ACCESS TRAVEL DISTANCE (MAX ALLOWED: 250')
	COMMON PATH OF EGRESS TRAVEL (MAX ALLOWED: 125')
	– POINT WHERE TWO SEPARATE AND DISTINCT PATHS OF EGRESS TRAVEL TO TWO EXITS ARE AVAILABLE
C	OCCUPANCY LOAD

	FLOOR	USE GI	ROUP	NET AREA (SF)	OCCUPANT LOAD FACTOR	MAX. OCCUPAN LOAD
	BASEMENT		S-2	3,000 SF	200 GROSS	15
D			М	660 SF	60 GROSS	11
	ISI FLK		R2	2,340 SF	200 GROSS	12
	2ND FLR		R2	3,000 SF	200 GROSS	15
	3RD FLR		R2	3,000 SF	200 GROSS	15
	4TH FLR		R2	3,000 SF	200 GROSS	15
	5TH FLR		R2	3,000 SF	200 GROSS	15
						98

EGRESS CAPACITY TABLE

	NAME	EGRESS ELEMENT	CLEAR WIDTH (IN.)	LOAD FACTOR (IN./PERSON)	CAPA	CITY
		STAIR	36	0.3	120	100
		DOOR	32	0.2	160	120
		STAIR	36	0.3	120	100
	EAIT 2	DOOR	32	0.2	160	120
С			•			
	TOTAL EGR	ESS CAPACITY			24	10

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2

1

_____ EX05

2 EX05

1 EX06	
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[
Gross Area Sch	edule
Level	Area
Basement	3068 SF
First Floor	3095 SF
Second Floor	3095 SF
Total	9258 SF

Boston, MA

410 Mass Ave

Scale: 1/4" = 1'-0"

Drawn By: EC

EX04 1

2 EX05

410 Mass Ave

Boston, MA

EXISTING CONDITIONS

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Laser Scanning Notes:

- Visit FARO.com and leica-geosystems.com for 3D laser scanner tolerances, range information and product specifications.
 Laser scanning equipment uses light waves to measure distances, unforeseen site conditions such as dust, moisture, vibration, surface reflectivity, lighting conditions, temperature, humidity, ferromagnetic materials, building configuration etc. may impact registration between scan locations.
 Accuracy over long distances can be improved if the client provides survey benchmarks prior to scanning in order to reference the laser scan and tain to a coordinate system.
 The Revit file contains the most complete alignment of point cloud data. All laser scans by use of site specific features and targets. Point cloud adjustments are made in Revit for a final verification.

Revision Schedule

Revision Number	Revision Description	Revision Date

Existing First Floor Plan

Date: 11/22/2021 Scale: 1/4" = 1'-0" Drawn By: EC

EX04 1

2 EX05

<1 | EX06 |

410 Mass Ave

Boston, MA

EXISTING CONDITIONS

Call us at: (617) 247 9161 info@existingconditions.com www.existingconditions.com

The Most Accurate Existing Conditions Surveys and As-Built Surveys[™]

All projects are measured using the most advanced laser measuring equipment and our best standards and practices. All work will be field verified by client prior to design or construction or other use.

General Notes:

- It is expressly understood by client that ECS is not an architectural or engineering entity. None of the documents prepared by ECS for client shall have any stamping or certification of such trade professionals.
 This is not a structural or MEP analysis or due diligence model. Visible and accessible elements are modeled for location and size. Further structural or MEP analysis could be necessary by others.
 STANDARD OF PRACTICE. Services performed by ECS under this Agreement will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. No other representation, expressed or implied, and no warranty or guarantee is included or intended in this Agreement, or in any report, opinion, document or otherwise. Client shall field verify all work prior to design construction, or other use.
 These drawings are for the intended purposes listed in the scope of work at the time of survey and should not be used for any other reasons. See scope of work provided to client for further information.

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Revision Schedule

Revision Number	Revision Description	Revision Date

Existing Second Floor Plan

Date: 11/22/2021 Scale: 1/4" = 1'-0"

Drawn By: EC

EX03

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Note: Heights of adjacent properties were not part of the scope of work and are added as a courtesy. These dimensions are a reference only

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Revision Schedule

Revision Number	Revision Description	Revision Date

Existing Exterior Elevations

Date: 11/22/2021 Scale: 1/4" = 1'-0" Drawn By: EC

 $(2) \frac{\text{South Elevation}}{1/4" = 1'-0"}$

1 North Elevation 1/4" = 1'-0"

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Existing Exterior Elevations

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1 BASEMI SCALE: 1/

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		CONTRACTOR ADDRESS CITY, STATE ZIP
structur	ral	
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		MEP ENGINEER ADDRESS CITY, STATE ZIP
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BASEMENT PROPOSED PLAN

DRWN / CHCKD sheet number

BASEMENT LEVEL - FLOOR PLAN SCALE: 1/4" = 1'-0"

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1 FIRST FL SCALE: 1/4

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FIRST FLOOR PROPOSED PLAN

DRWN / CHCKD sheet number

FIRST FLOOR - FLOOR PLAN SCALE: 1/4" = 1'-0"

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1 SECON SCALE: 1/4

SECOND FLOOR - FLOOR PLAN SCALE: 1/4" = 1'-0"

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A.120 OF Scale 0 4 8 12

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THIRD FLOOR PROPOSED PLAN

DRWN / CHCKD sheet number

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sheet title

FOURTH FLOOR PROPOSED PLAN

DRWN / CHCKD sheet number

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sheet title

FIFTH FLOOR PROPOSED PLAN

DRWN / CHCKD sheet number

scale

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- AS NOTED

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sheet title

DRWN / CHCKD sheet number

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sheet title

scale

PROPOSED FRONT ELEVATION

DRWN / CHCKD sheet number

AS NOTED

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POSTS

REVEALS.

6" HARDWOOD GUARD RAILS, STD., THROUGH-BOLT TO PTD. STL GURD

FIBER-CEMENT PANELS WITH METAL SURROUND TRIM, RECESSED

COMPOSITE TENMPERED DOUBLE-INSULATED COMPOSITE WINDOW ASSEMBLY, METAL CLAD

FIBER-CEMENT PANELS WITH METAL SURROUND TRIM, RECESSED REVEALS.

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sheet title

PROPOSED FRONT ELEVATION

DRWN / CHCKD sheet number

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HELICZN HELICON DESIGN GROUP, INC. ARCHITECTS 76 SUMMER STREET, SUITE 510 BOSTON, MA 02110 T: 617-357-4437 INFO@HELICONDESIGN.COM project ADDITIONS AND PLANNING STUDIES 410 MASSACHUSETTS AVE. BOSTON, MA CAD FILE: client VINCO PROPERTIES 434 MASSACHUSETTS AVE. BOSTON, MA contractor CONTRACTOR ADDRESS CITY, STATE ZIP structural STRUCTURAL ENGINEER ADDRESS

CITY, STATE ZIP MEP MEP ENGINEER ADDRESS CITY, STATE ZIP issue / revisions DATE DESCRIPTION MARK -----05.06.22 PERMIT SET -_____ ----------_____ _____ _____ -----_____ -----

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PROPOSED **REAR ELEVATION**

DRWN / CHCKD sheet number

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