WP

**WORKING POINT** 

# MONUMENT SQUARE RESIDENCES

45 Monument Square, Charlestown, MA 02129

## SYMBOL LEGEND **EXISTING WALL** PROPOSED WALL EXISTING WALL TO BE REMOVED 1HR RATED PARTITION (UL DESIGN U309) **EXISTING DOOR NO CHANGE** PROPOSED DOOR EXISTING DOOR TO BE REMOVED Room name **ROOM TAG** 101

SHEET#

VIEW #

SA/CO2

**ELEVATION TAG** 

**SECTION TAG** 

KIDDE I12010SCO

(PHOTOELECTRIC)

KIDDE KN-COPE-IC

COMBO SMOKE/CO2 DETECTOR -

COMBO SMOKE/CO2 DETECTOR

SUBDISTRICT: 3F-2000 SETBACKS: REQ'D **PROPOSED** CONFORMITY **FRONT** NO CHANGE SIDE: 2.5' **NO CHANGE** REAR: 20' **NO CHANGE** 

3.875GSF

IRC 2015 (780 CMR 9TH EDITION)

**HEIGHT** 35'/3 STORIES FAR: 2.0 LOT SIZE: 1,500SF ALLOWED: 3,000GSF EXISTING: 4.068GSF PROPOSED: 3,875GSF BASEMENT: UNFINISHED FIRST FLOOR: 1,175GSF SECOND FLOOR: 1,350GSF THIRD FLOOR: 1,350GSF

3. USE GROUP CLASSIFICATION: RESIDENTIAL R3 (SINGLE FAMILY)

4. CONSTRUCTION CLASSIFICATION: TYPE 5B CONSTRUCTION

5. MEANS OF EGRESS: EMERENCY ESCAPE & RESCUE: **BEDROOM EGRESS** 1 WINDOW MINIMUM REQUIREMENTS 5.7SF OPERABLE CLEAR AREA,

#### PERFORMANCE REQUIREMENTS

**1.EXTERIOR WALLS:** 

44" MAX SILL HGT

**CODE ANALYSIS:** 

APPLICABLE CODES:

**BUILDING CODE** 

**IEBC 2015** 

**IECC 2018** 

IFC 2015 (527 CMR)

2. ZONING DISTRICT: CHARLESTOWN NEIGHBORHOOD (NDOD)

**EXISTING WOOD FRAMING R21 MIN INSULATION VALUE (CAVITY)** FIBERGALSS - WOOD GRAIN PATTERN DOUBLE PANE LOW E MIN. U-FACTOR: .30 REQUIREMENTS FOR 1 WDW MIN PER BEDROOM: 5.7SF OPERABLE CLEAR AREA, 44" MAX SILL HGT 3. EXTERIOR DOORS: WOOD. WOOD CLAD OR FIBERGLASS W/ WOOD GRAIN PATTERN DOUBLE PANE LOW E

4. CEILING/ROOF **R49 MIN INSULATION VALUE** 5. FOUNDATION **EXISTING; NO CHANGE** 

10" MIN TREAD

MIN. U-FACTOR: .30

8" CIP, 3,500PSI MIN 6. STAIRS: 8 1/4" MAX RISER

> HANDRAILS: 34" MIN. TO 38" MAXIMUM ABOVE STAIR NOSING **GAURDRAILS**:

42" MIN TO TOP RAIL BALUSTERS: 4" MAX CLEAR WIDTH DRAWING LIST SHEET NAME

A100 A101

EXTERIOR ELEVATIONS FRAMING PLANS - BASEMENT & 1ST FLOOR

1. WORK SHALL COMPLY WITH FEDERAL. STATE AND LOCAL BUILDING CODES AND REGULATIONS. UNLESS OTHERWISE AGREED UPON, THE CONTRACTOR IS RESPONSIBLE FOR SECURING ALL BUILDING PERMITS AS REQUIRED TO PERFORM HIS OR HER WORK AND WILL RETAIN AND PAY FOR ALL REQUIRED INSPECTIONS FOR THE DURATION OF CONSTRUCTION.

2. CONTRACTOR SHALL ENGAGE A LICENSED ELECTRICIAN FOR ALL ELECTRICAL

4. CONTRACTOR RESPONSIBLE FOR ALL PREPARATION WORK REQUIRED BY MANUFACTURER'S SPECIFICATIONS.

5. CONTRACTOR SHALL PROVIDE PRODUCT SUBMITTAL FOR SMOKE ALARM FIXTURES FOR APPORVAL

6. CONFLICTS BETWEEN SITE CONDITIONS AND DRAWINGS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT OR THE APPROPRIATE

8. CONTRACTOR TO NOTIFY ARCHITECT, AFTER LAYOUT AND PRIOR TO FRAMING, OF ANY DISCREPANCY, OMISSION, OR UNANTICIPATED FIELD CONDITIONS ALTER THE DESIGN INTENT.

9. CONTRACTOR TO NOTIFY ARCHITECT, AFTER LAYOUT AND PRIOR TO FRAMING. IF DIMENSIONS INDICATED WITH "+/-" VARIES MORE THAN 3" FROM ACTUAL

10. CONTRACTOR RESPONSIBLE FOR ALL PREPARATION WORK REQUIRED BY MANUFACTURER'S SPECIFICATIONS.

TITLE SHEET DEMO PLANS **DEMO PLANS** 

FLOOR PLANS A102

FRAMING PLANS - 2ND, 3RD & ROOF FRAMING PLANS - ROOF DECK & HEAD HOUSE

**GENERAL NOTES:** 

WORK AND IN COMPLIANCE WITH NFPA 70.

CONSULTING ENGINEERS.

7. CONFIRM DIMENSIONS WITH THE ARCHITECT OR APPROPRIATE CONSULTING ENGINEER.

FIELD MEASURMENTS.

11. DAMAGED TO EXISTING OR NEW CONSTRUCTION CAUSED BY THE CONTRACTOR, HIS OR HER SUB-CONTRACTORS OR CREW IS THE RESPONSIBILITY OF THE CONTRACTOR.

> **BOT PLATE** As indicated SCALE

STAMP

DRAWING NUMBER:

BOSTON

December 6, 2021

**DESIGN REVIEW** 

517 boston post rd

**Monument Square** 

45 Monument Square Charlestown, MA 02129

**River Front Realty** 

p: 508.500.4730 www.s47a.com

suite #30 sudbury, ma 01776

PROJECT:

Residence

CLIENT:

275 Main St

Boston, MA 02129

**PROJECT TEAM:** 

**REVISIONS:** 

**DRAWING TITLE:** 

TITLE SHEET

3 ROOF DECK 3.30.22

A000

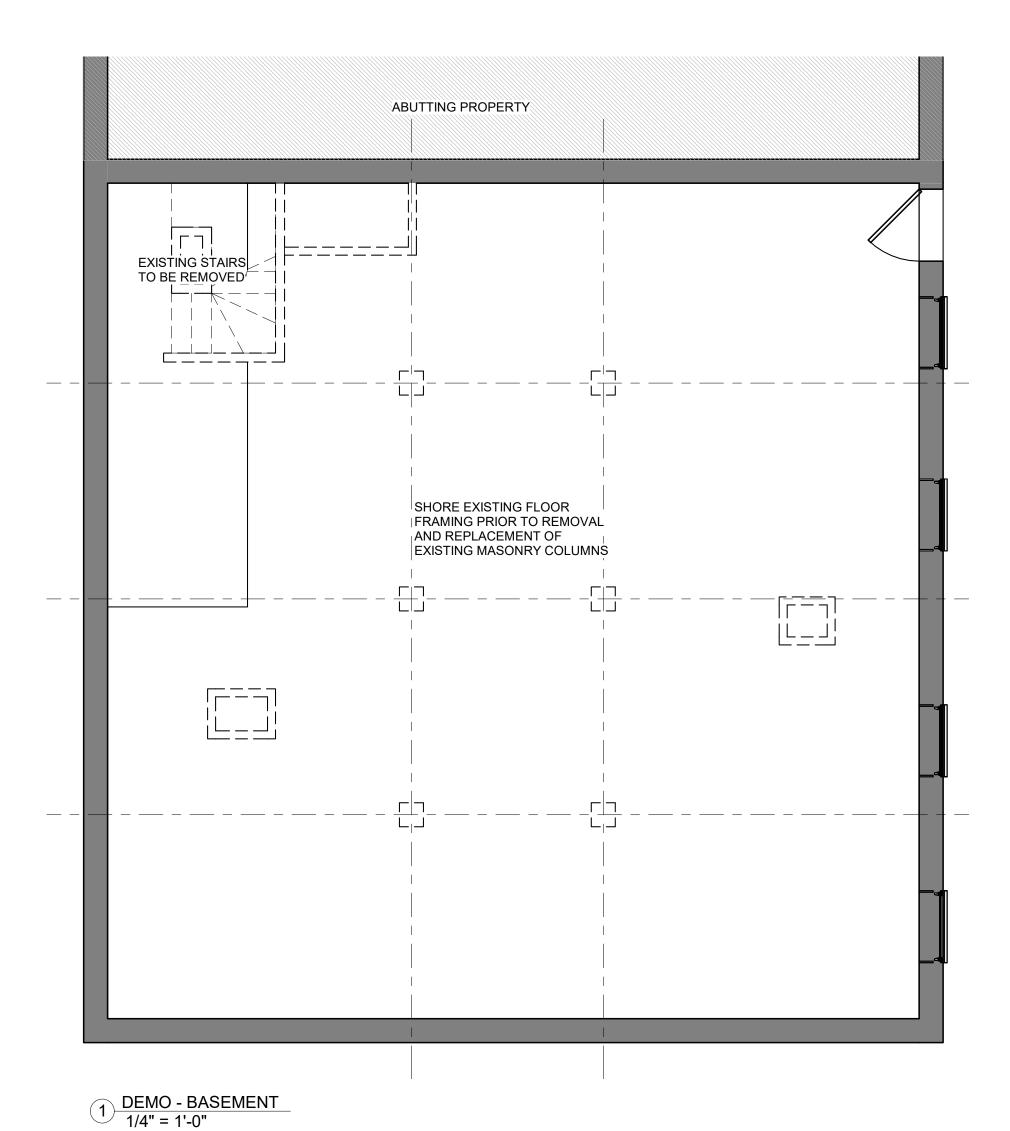
3 1/2" 1/2" 2X WOOD TOP PLATE 2X WOOD TOP PLATE 1/2" GWB EA. SIDE 1/2" GWB EA. SIDE 2X WOOD FRAMING 2X WOOD FRAMING BATT INSULATION 2X WOOD 2X WOOD **BOT PLATE** 2X4 WOOD STUD FURRED (0HR) 2X6 WOOD STUD (0HR)

2X4 WOOD STUD (0HR)

PARTITION TYPES ✓ 3" = 1'-0"

LBS

POUNDS



ABUTTING PROPERTY REMOVE PORTION OF EXISTING FLOOR

EXISTING STAIRS AND LANDING | = | | | | TO BE REMOVED SHORE EXISTING FLOOR FRAMING PRIOR TO REMOVAL AND REPLACEMENT OF EXISTING MASONRY COLUMNS REMOVE PORTION OF EXISITNG FLOOR EXISTING STAIRS TO BE REMOVED 

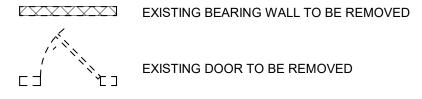
2 DEMO - 1ST FLOOR 1/4" = 1'-0"

**DEMO NOTES:** 

- 1. ALL EXISTING CEILING AND FLOOR FINISHES TO REMOVED.
- 2. ALL EXISTING INTERIOR PARTITIONS TO BE REMOVED AS SHOWN.
- 2. ALL EXISTING PLUMBING AND LIGHTING FIXTURES TO BE REMOVED ON FLOORS 2 THROUGH 4.
- 3. ALL EXISITNG WDWS & DOORS TO BE REMOVED
- 4. G.C. TO ENSURE ALL BEARING WALLS NOTED FOR REMOVAL ARE PROPERLY SHORED PRIOR TO DEMO AND UNTIL PROPOSED NEW STRUCTURAL COMPONENT IS INSTALLED

EXISTING WALL

[ \_ \_ \_ \_ \_ EXISTING WALL TO BE REMOVED



EXISTING DOOR TO BE REMOVED

PROJECT:

Monument Square Residence

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sudbury, ma 01776 p: 508.500.4730 www.s47a.com

suite #30

Charlestown, MA 02129

45 Monument Square

CLIENT:

River Front Realty

275 Main St Boston, MA 02129

PROJECT TEAM:

**REVISIONS:** 

**DRAWING TITLE:** 

**DEMO PLANS** 

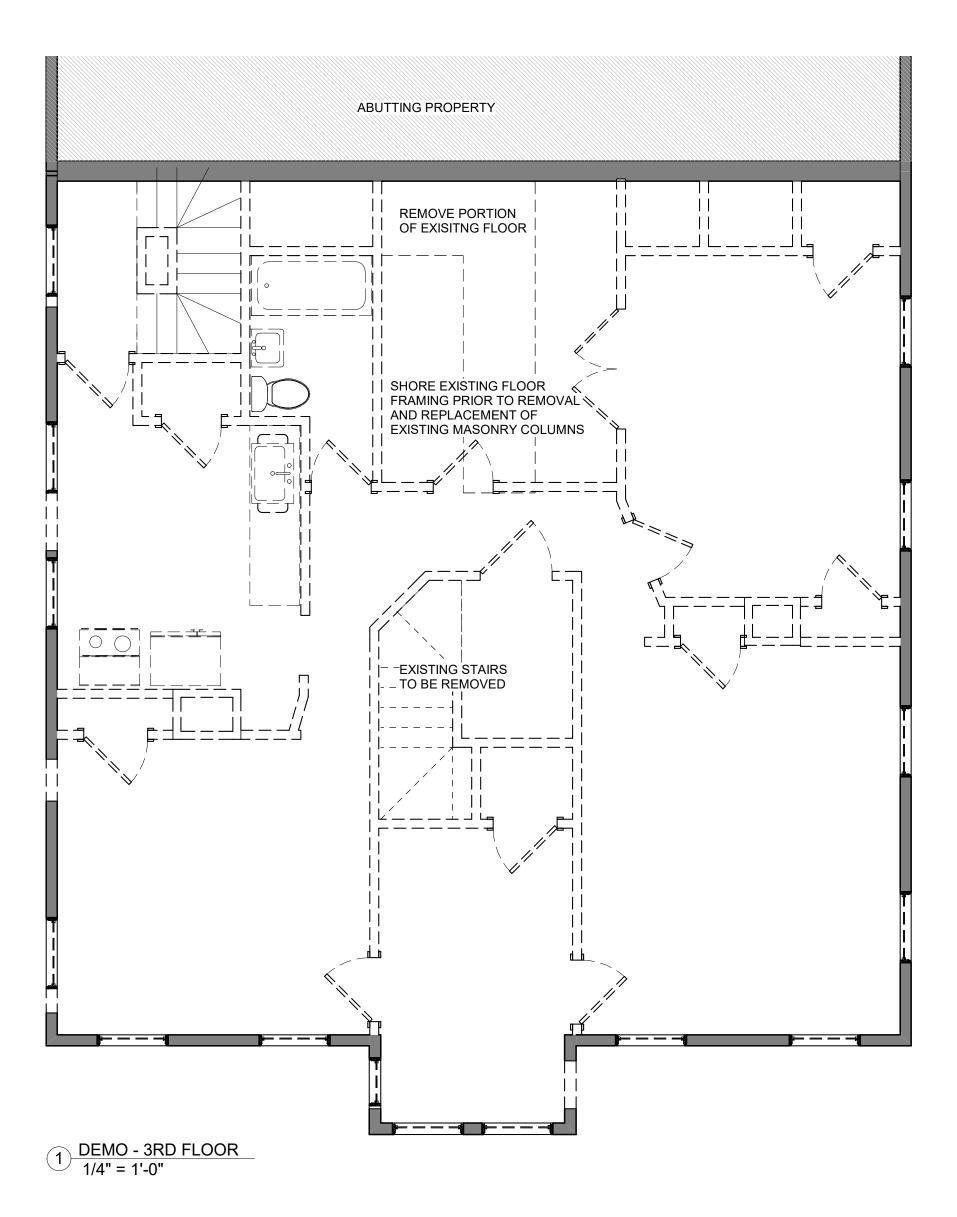
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**DESIGN REVIEW** DOCUMENT PHASE

**DRAWING NUMBER:** 

A100



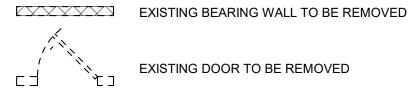
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EXISTING WALL

4. G.C. TO ENSURE ALL BEARING WALLS NOTED FOR REMOVAL ARE PROPERLY SHORED PRIOR TO DEMO AND UNTIL PROPOSED NEW STRUCTURAL COMPONENT IS INSTALLED

[ \_ \_ \_ \_ \_ ] EXISTING WALL TO BE REMOVED



EXISTING DOOR TO BE REMOVED

517 boston post rd

suite #30

www.s47a.com

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PROJECT TEAM:

**REVISIONS:** 

**DRAWING TITLE:** 

**DEMO PLANS** 

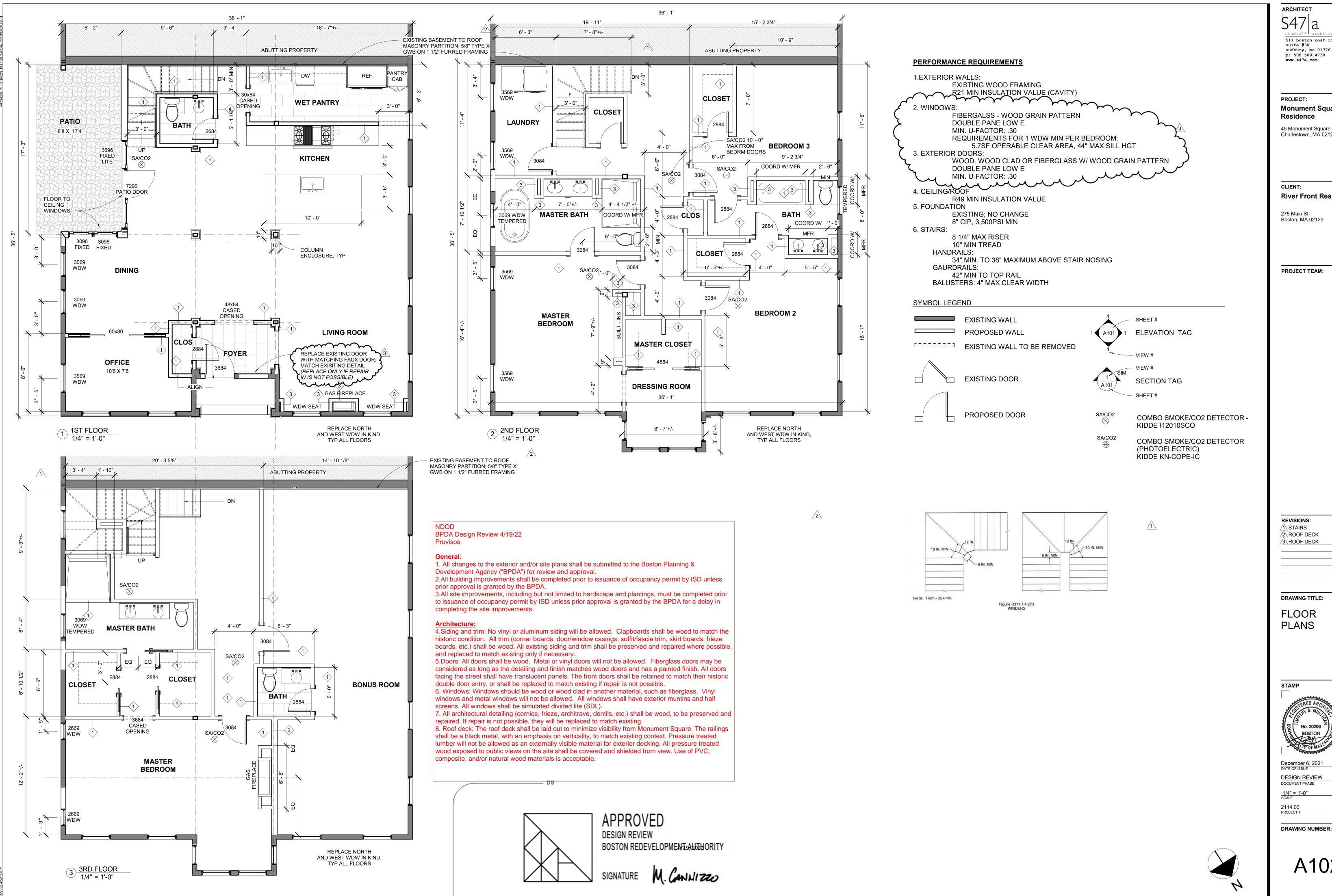
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**DESIGN REVIEW** 

**DRAWING NUMBER:** 

A101



**ARCHITECT** 

517 boston post rd suite #30 sudbury, ma 01776 p: 508.500.4730 www.s47a.com

PROJECT: **Monument Square** Residence

Charlestown, MA 02129

CLIENT:

River Front Realty

275 Main St Boston, MA 02129

**REVISIONS:** 1\STAIRS 12.27.21 2 ROOF DECK 1.31.22 3 ROOF DECK 3.30.22

DRAWING TITLE:

**FLOOR PLANS** 

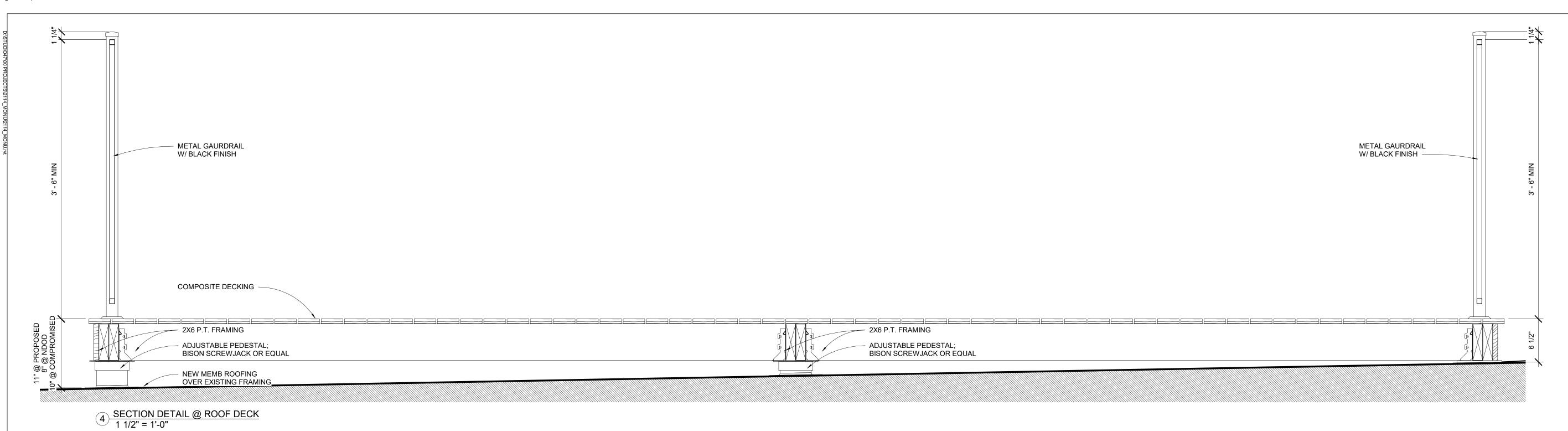


**DESIGN REVIEW** 

 $\frac{1/4" = 1'-0"}{\text{SCALE}}$ 

**DRAWING NUMBER:** 

A102



ABUTTING PROPERTY

REMOVE AND REPLACE
EXISTING MEMBRANE ROOF

SIDE YARD SETBACK

SIDE YARD SETBACK

PROPERTY

A 4435

A 4435

10 - 0"

14 - 0"

FRONT YARD SETBACK

50

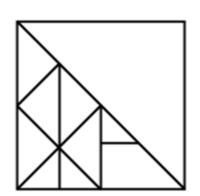
14 - 0"

FRONT YARD SETBACK

NDOD BPDA Design Review 4/19/22 Provisos

Ponoral:

All changes to the exterior and/or site plans shall be submitted to the Boston Planning & Development Agency ("BPDA") for review and approval.
 Please refer to sheet A102 with the BPDA design review stamp for a fill list of BPDAs Design Review Provisos.



APPROVED

DESIGN REVIEW
BOSTON REDEVELOPMENT AUTHORITY

SNATURE M CANALIZZA

ARCHITECT

studio47 architects
517 boston post rd
suite #30

PROJECT:

Monument Square
Residence

sulte #30 sudbury, ma 01776 p: 508.500.4730 www.s47a.com

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PROJECT TEAM:

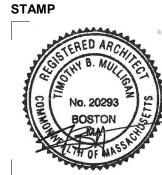
REVISIONS:

3 ROOF DECK 3.30.22

DRAWING TITLE:

ROOF DECK NDOD OPTIONS

STAM



December 6, 2021

DATE OF ISSUE

DESIGN REVIEW
DOCUMENT PHASE

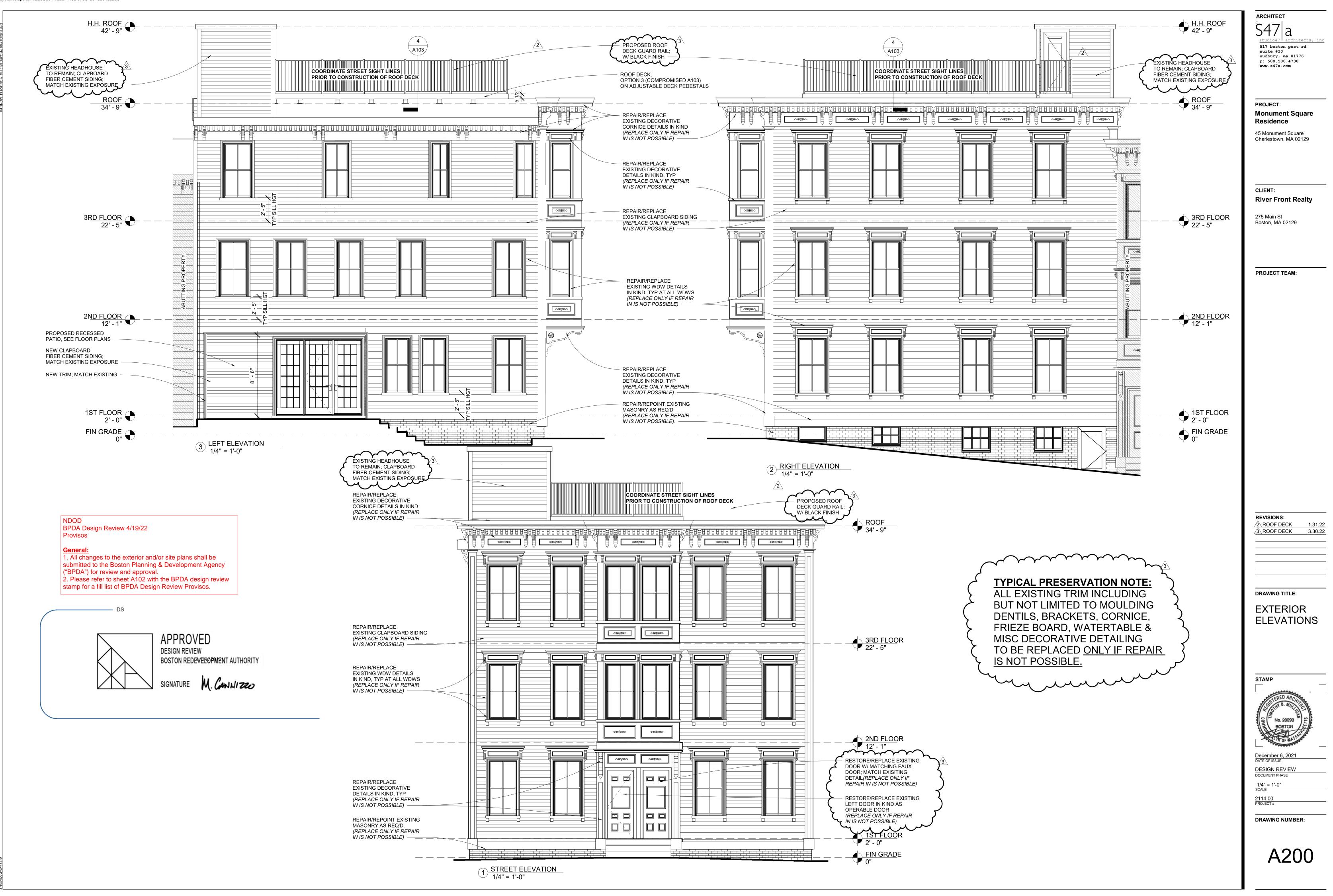
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SCALE

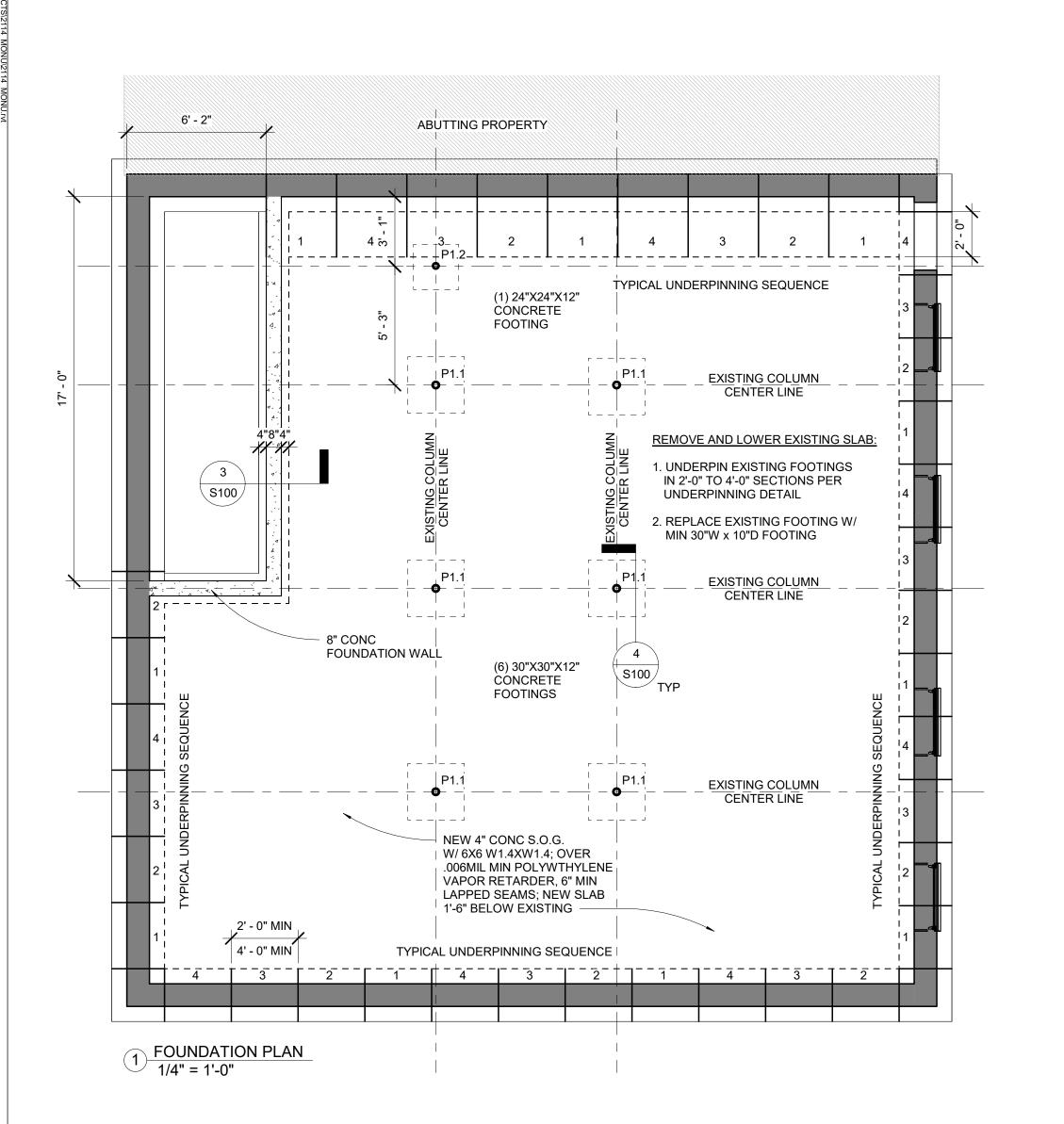
2114.00 PROJECT #

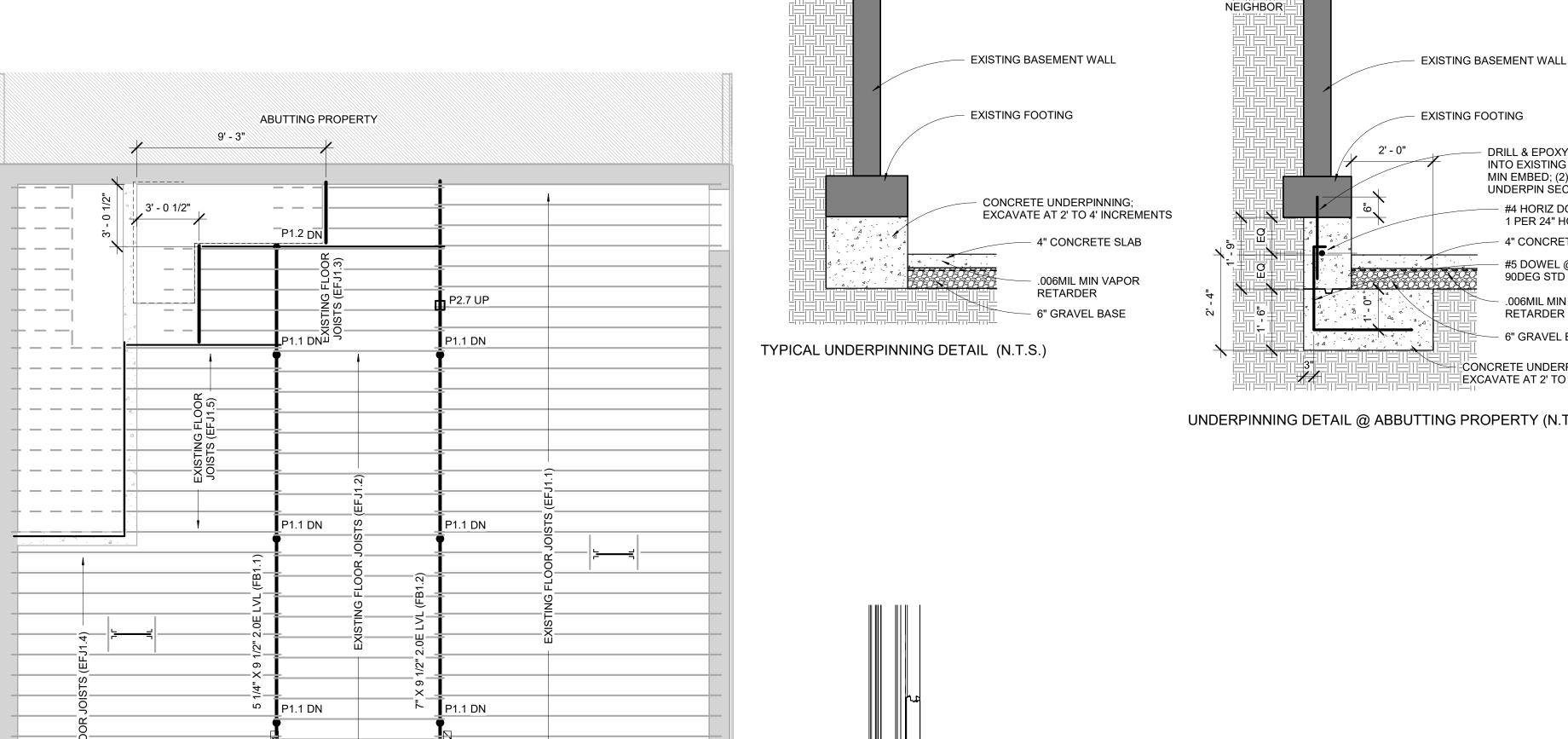
DRAWING NUMBER:



1 ROOF PLAN 1/4" = 1'-0"







### FRAMING NOTES:

- 1. FRAMING BASED ON ASSUMPTIONS OF EXISTING CONDITIONS; ALERT ARCHITECT OF CONDITIONS THAT VARY FROM EXISTING LAYOUT
- 2. COMMODITY FRAMING GRADE TO BE DOUGLAS FIR #2 (EQUAL OR BETTER) ALL EXTERIOR FRAMING TO BE PRESSURE TREATED (P.T.)
- 3. INSTALL BTWN JOIST FULL DEPTH BLOCKING AT DROP BEAMS AND BEARING WALLS.
- 4. INSTALL SIMPSON JOIST HANGERS AT ALL FACE MOUNT JOIST, U.N.O.
- 5. INSTALL 3/4" T&G PLYWOOD SUB-FLOOR

GLUE AND NAIL, TYP ALL FLOORS

- 6. NOTCHING OR DRILLING HOLES IN JOISTS
- TO BE APPROVED BY ENGINEER
- 7. SPLICE BEAMS AT SUPPORTS
- 8. INSULATE AT ALL WINDOWS AND EXTERIOR DOOR HEADERS.

9. <u>LIVE LOADS:</u> BEDROOMS OTHER THAN BEDROOMS EXTERIOR DECK SNOW LOAD	30 PSF 40 PSF 40 PSF 50PSF
	EXISTING FRAMING
	EXISTING FRAMING

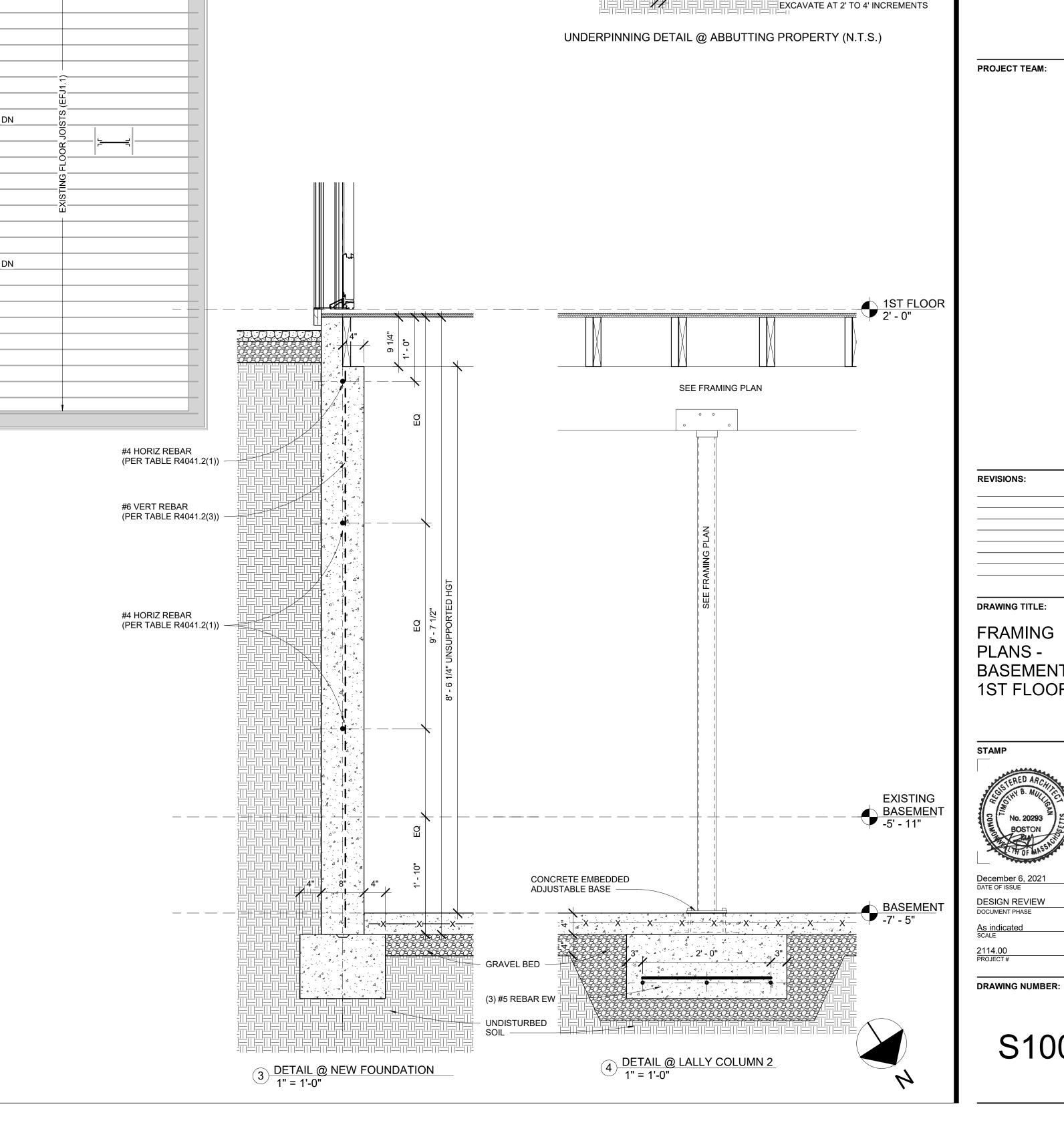
	EXISTING FRAMING
	EXISTING FRAMING TO BE REMOVED
=======================================	PROPOSED FRAMING

COLUMN SCHEDULE			
MARK	DESCRIPTION	COMMENTS	
P1.1	3 1/2" DIA SCHED 80 PIPE	A501 OR A53 GRADE B	
P1.2	3" DIA SCHED 80 PIPE		
P2.1	4X6 DF2		
P2.2	4X6 DF2		
P2.3	4X6 DF2		
P2.4	4X6 DF2		
P2.5	4X6 DF2		
P2.6	6X6 DF2		
P2.7	5 1/4" X 5 1/4" 1.8E PSL		
P2.9	6X6 P.T. DF2		
P4.1A	6X6 DF2		
P4.1B	6X6 DF2		
P5.1	4X6 DF2		

2 FRAMING - 1ST FLOOR 1/4" = 1'-0"

### **CONCRETE NOTES:**

- 1. ALL CONCRETE WORK SHALL COMPLY WITH ACI 318: BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
- 2. ALL CONCRETE SHALL COMPLY WITH ACI 301; SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
- 3. 2,500 MIN PSI COMPRESSIVE STRENGTH POST 28 DAYS
- 4. ALL CONCRETE TO BE POURED MONOLITHICALLY. UNO
- 5. CONCRETE FOUNDATIONS SHALL COMPLY WITH SECTION 18 OF IBC 2015 780CMR.
- 6. STEEL REINFORCING SHALL COMPLY WITH ASTM 615 GRADE 60, U.N.O.



ARCHITECT

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DRILL & EPOXY #4 REBAR

4" CONCRETE SLAB

#5 DOWEL @ 12" O.C.

90DEG STD HOOK

.006MIL MIN VAPOR

6" GRAVEL BASE

RETARDER

CONCRETE UNDERPINNING;

#4 HORIZ DOWEL INTO ADJ PIER

1 PER 24" HGT IN STEM WALL

INTO EXISTING WALL 6"

MIN EMBED; (2) PER UNDERPIN SECTION

> River Front Realty 275 Main St

PROJECT TEAM:

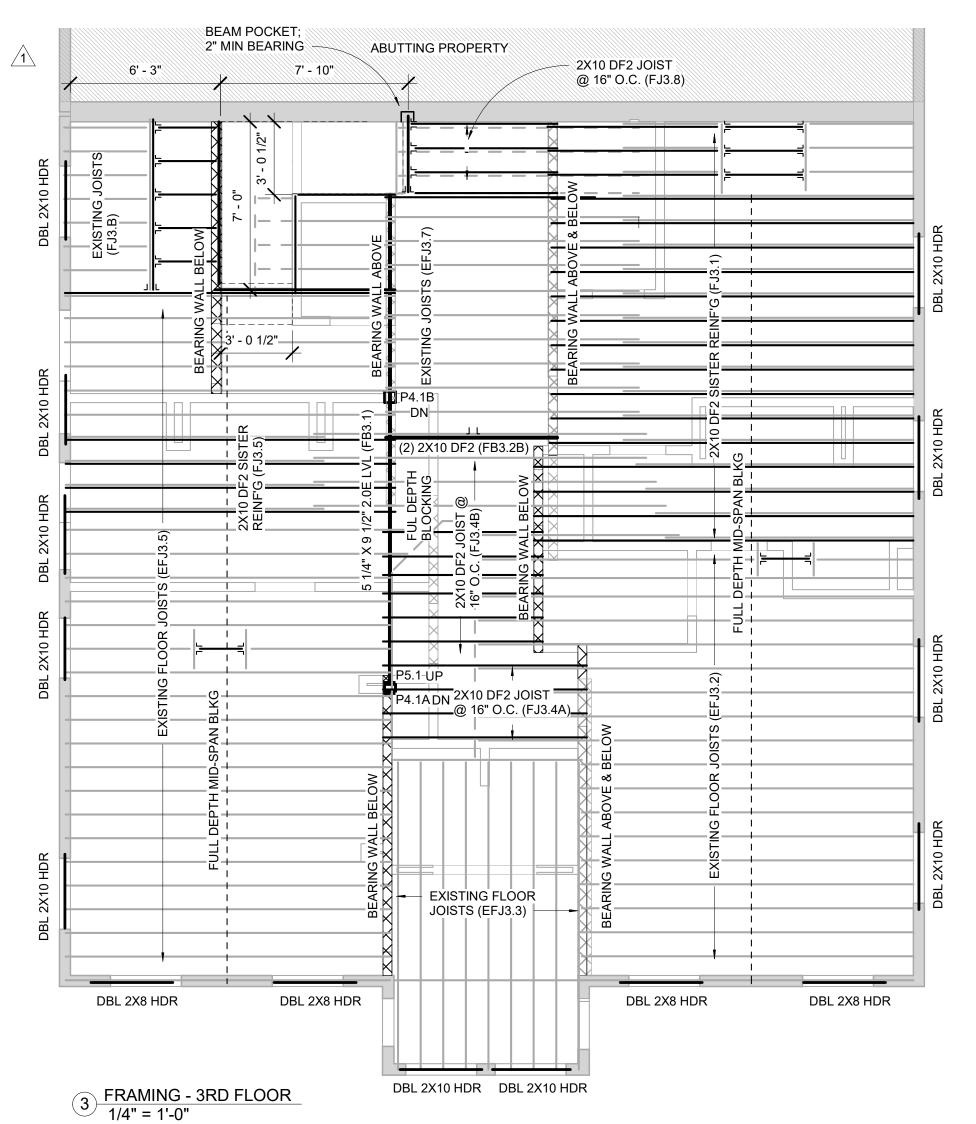
FRAMING PLANS -BASEMENT & 1ST FLOOR

STAMP

**DESIGN REVIEW** DOCUMENT PHASE As indicated SCALE

S100

BEAM POCKET; ABUTTING PROPERTY 2" MIN BEARING 6' - 3" 7' - 10" P2.9DN ' P2.4 DN P2.7 DN 3' - 0 1/2" -P2.6 DN DN P2.5 DN (3) 2X10 DF2 (FB2.4) DBL 2X10 HDR EXISTING FLOOR JOISTS (EFJ2.4) DBL 2X8 HDR DBL 2X8 HDR DBL 2X8 HDR DBL 2X8 HDR





### FRAMING NOTES:

2 FRAMING - 2ND FLOOR 1/4" = 1'-0"

1. FRAMING BASED ON ASSUMPTIONS OF EXISTING CONDITIONS; ALERT ARCHITECT OF CONDITIONS THAT VARY FROM EXISTING LAYOUT

2. COMMODITY FRAMING GRADE TO BE DOUGLAS FIR #2 (EQUAL OR BETTER) ALL EXTERIOR FRAMING TO BE PRESSURE TREATED (P.T.)

3. INSTALL BTWN JOIST FULL DEPTH BLOCKING AT DROP BEAMS AND BEARING WALLS.

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7. SPLICE BEAMS AT SUPPORTS

8. INSULATE AT ALL WINDOWS AND EXTERIOR DOOR HEADERS.

9. <u>LIVE LOADS:</u> BEDROOMS 30 PSF 40 PSF 40 PSF OTHER THAN BEDROOMS EXTERIOR DECK SNOW LOAD 50PSF EXISTING FRAMING EXISTING FRAMING TO BE REMOVED

PROPOSED FRAMING

COLUMN SCHEDULE			
DESCRIPTION	COMMENTS		
3 1/2" DIA SCHED 80 PIPE	A501 OR A53 GRADE B		
3" DIA SCHED 80 PIPE			
4X6 DF2			
6X6 DF2			
5 1/4" X 5 1/4" 1.8E PSL			
6X6 P.T. DF2			
6X6 DF2			
6X6 DF2			
4X6 DF2			
	DESCRIPTION  3 1/2" DIA SCHED 80 PIPE 3" DIA SCHED 80 PIPE 4X6 DF2 4X6 DF2 4X6 DF2 4X6 DF2 4X6 DF2 5 1/4" X 5 1/4" 1.8E PSL 6X6 DF2 6X6 DF2 6X6 DF2 6X6 DF2 6X6 DF2 6X6 DF2		

**ARCHITECT** 

517 boston post rd suite #30 sudbury, ma 01776 p: 508.500.4730 www.s47a.com

PROJECT: Monument Square Residence

45 Monument Square Charlestown, MA 02129

CLIENT: River Front Realty

275 Main St

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PROJECT TEAM:

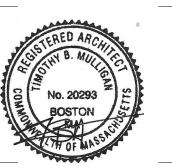
**REVISIONS:** 1 STAIRS

DRAWING TITLE:

FRAMING PLANS - 2ND, 3RD & ROOF

12.27.21

STAMP



**DESIGN REVIEW** DOCUMENT PHASE

DRAWING NUMBER:

S101

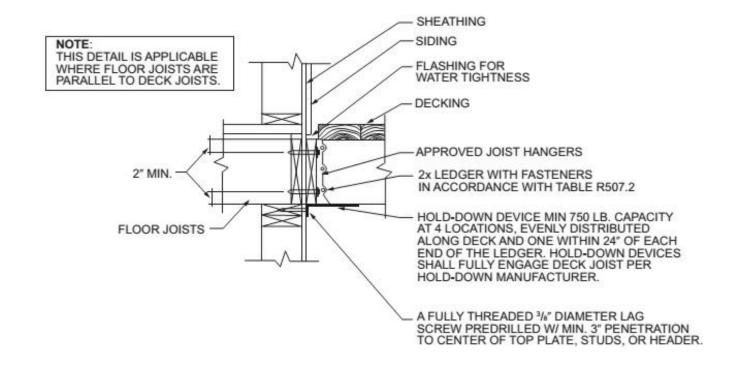
1 FRAMING - ROOF DECK 1/4" = 1'-0"

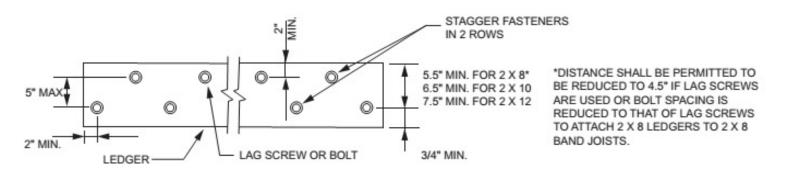
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9. <u>LIVE LOADS:</u> BEDROOMS OTHER THAN BEDROOMS EXTERIOR DECK SNOW LOAD	30 PSF 40 PSF 40 PSF 50PSF
	EXISTING FRAMING
	EXISTING FRAMING TO BE REMOVED

PROPOSED FRAMING





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PROJECT TEAM:

**REVISIONS:** 2 ROOF DECK 1.31.22 3 ROOF DECK 3.30.22

**DRAWING TITLE:** 

FRAMING PLANS -**ROOF DECK** & HEAD HOUSE



December 6, 2021
DATE OF ISSUE

**DESIGN REVIEW** DOCUMENT PHASE

2114.00 PROJECT #

DRAWING NUMBER: