Landmarks Preservation Commission

April 7, 2026
Public Hearing

The current proposal is:

Preservation Department – Item 7, LPC-26-06324

3 Riverside Drive – The Kleeberg Residence – Individual Landmark – West End-Collegiate Historic District Extension Borough of Manhattan

To testify virtually, please join Zoom

Webinar ID: 161 797 4321
Passcode: 987924
By Phone: 646-828-7666 (NY)
833-435-1820 (Toll-free)
833-568-8864 (Toll-free)

Note: If you want to testify virtually on an item, join the Zoom webinar at the agenda's "Be Here by" time (about an hour in advance). When the Chair indicates it's time to testify, "raise your hand" via the Zoom app if you want to speak (*9 on the phone). Those who signed up in advance will be called first.

3 RIVERSIDE DRIVE
NEW YORK, NY 10023

PUBLIC HEARING ITEMS

1. ROOFTOP BULKHEAD ADDITION AND PERGOLA
2. REAR FACADE WINDOW ALTERATION
3. FRONT YARD AREAWAY ADDITION

O'NEIL LANGAN ARCHITECTS

ARCHITECT

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MEP ENGINEER

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STAMP

REGISTERED ARCHITECT
MARY MARGARET LANGAN
025177
STATE OF NEW YORK

PROJECT NO.: 224112
DATE: 08/26/2024
DRAWN BY: TT
CHECKED BY: ML
AREA: 10,964.26 SQ FT

#	ISSUE	DATE
	LPC COMMISSION HEARING	03/31/2026

COVER SHEET

SHEET NO
T-000.01
SHEET 1 OF 39

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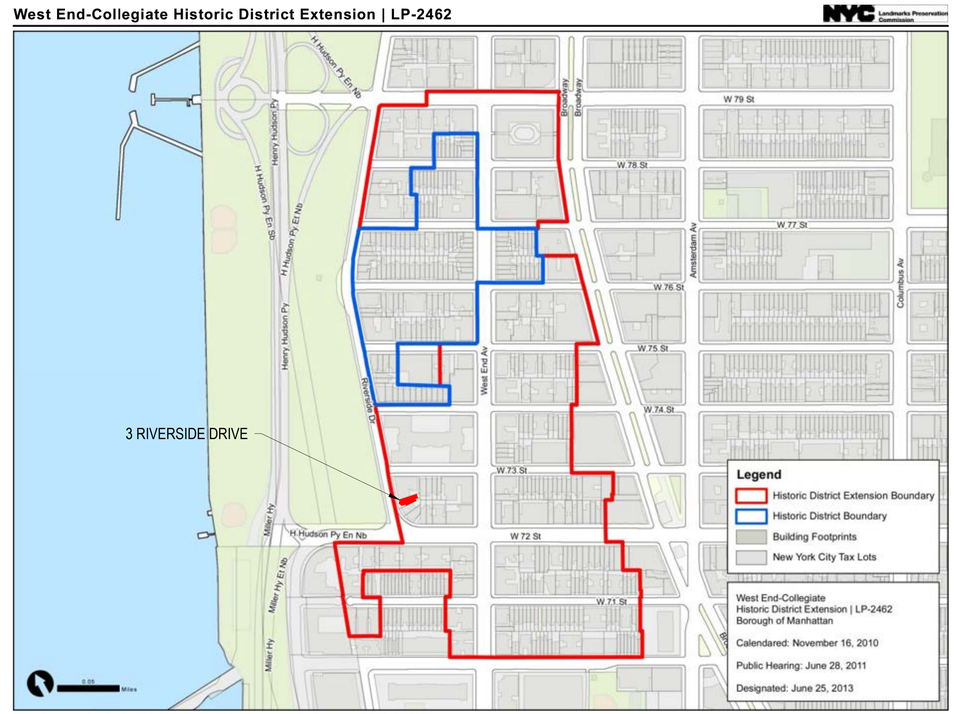
2 EXISTING SITE MAP
SCALE: N.T.S.



Graphic Source: Map PLUTO, Edition 18v1, Author: New York City Landmarks Preservation Commission, LCR Date: 3.28.2019

1 DISTRICT MAP
SCALE: N.T.S.

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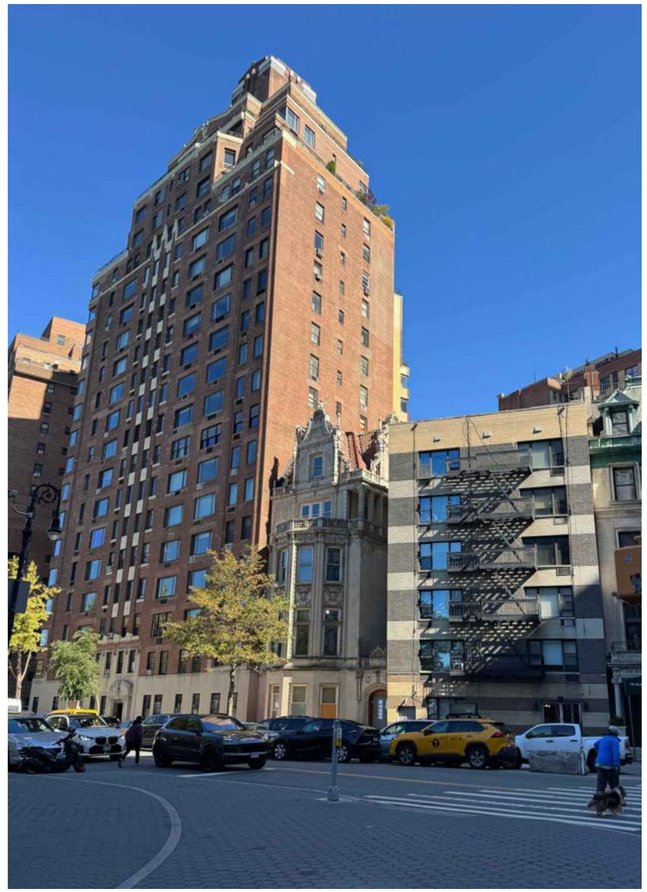
HISTORIC DISTRICT MAP, LOCATION MAP WITH PHOTO KEYS

SHEET NO
G-100.00
SHEET 2 OF 39

4 VIEW 4 - RIVERSIDE DRIVE AND PARK
SCALE: N.T.S.

2 VIEW 2 - CORNER OF W. 72ND ST AND RIVERSIDE DRIVE
SCALE: N.T.S.



3 VIEW 3 - RIVERSIDE DRIVE ELEVATION
SCALE: N.T.S.

1 VIEW 1 - W. 72ND STREET ELEVATION
SCALE: N.T.S.

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EXISTING BLOCK AND STREET CONDITION PHOTOS

SHEET NO
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SHEET 3 OF 39

The Kleeberg Residence, Historic View, c.1899.
Source: Zeisloft, The New Metropolis.

3 EXISTING PHOTO C.1899
SCALE: N.T.S.

2 HISTORIC TAX PHOTO - C.1939-41
SCALE: N.T.S.

The Kleeberg Residence, 3 Riverside Drive. C.P.H. Gilbert, 1896-98.
Photo Credit: Carl Forster.

1 PHOTO OF BUILDING AT DESIGNATION - 1991
SCALE: N.T.S.

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HISTORIC CONDITIONS
STREET ELEVATIONS

SHEET NO
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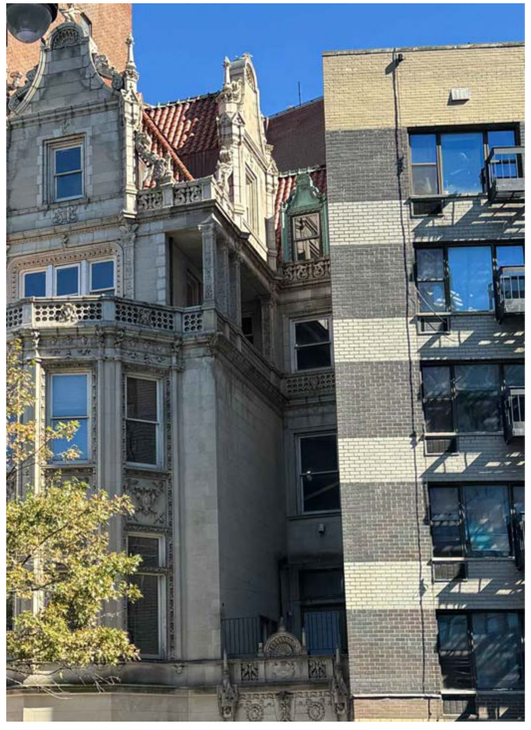
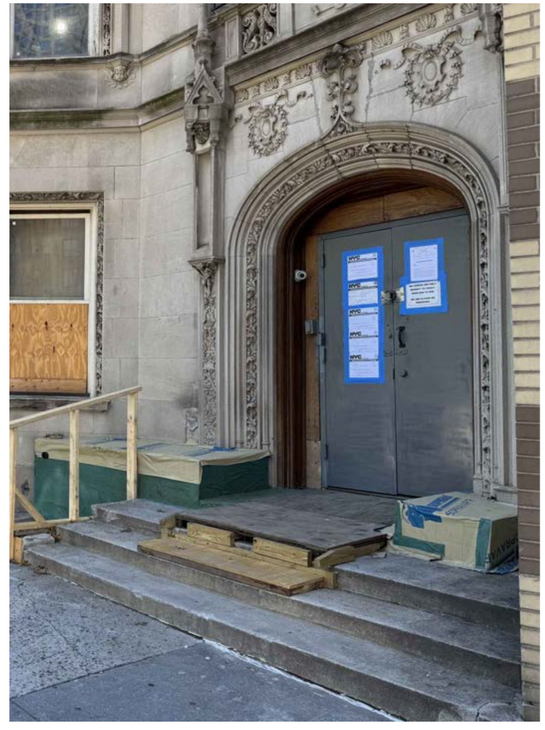
SHEET 4 OF 39

3 EXISTING STREET ELEVATION WEST
SCALE: N.T.S.

4 EXISTING ROOF AND DORMER DETAILS
SCALE: N.T.S.



2 EXISTING CONDITION SOUTH FACADE
SCALE: N.T.S.



1 EXISTING CONDITION - ENTRANCE & AREAWAY
SCALE: N.T.S.

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EXISTING FRONT ELEVATION AND DETAILS

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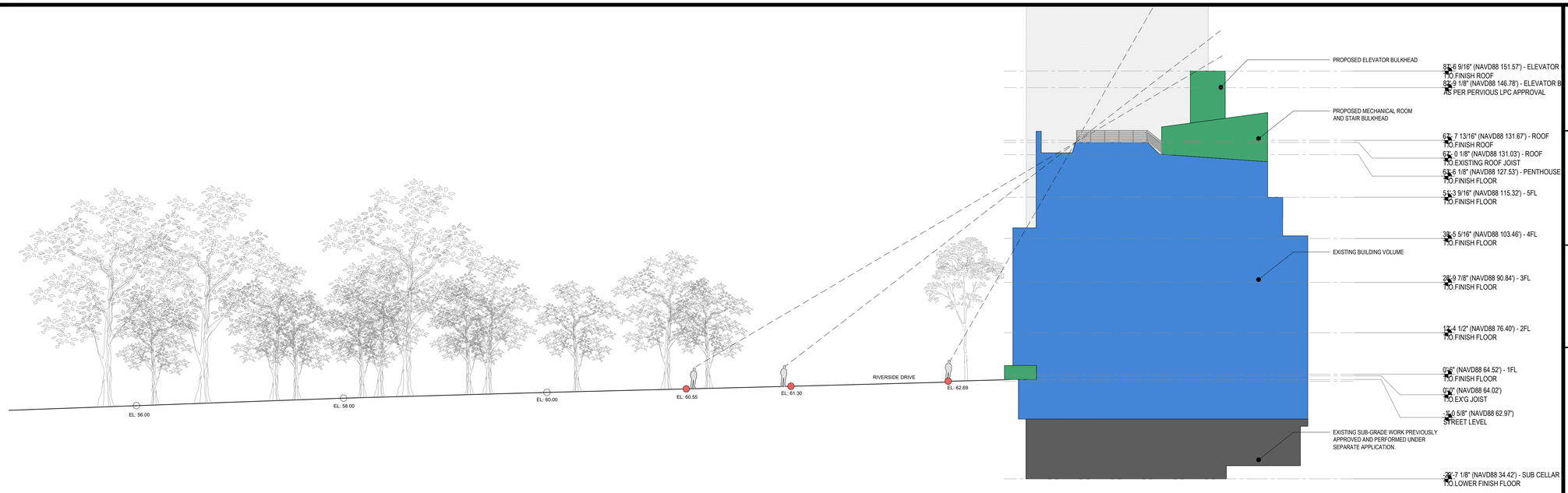
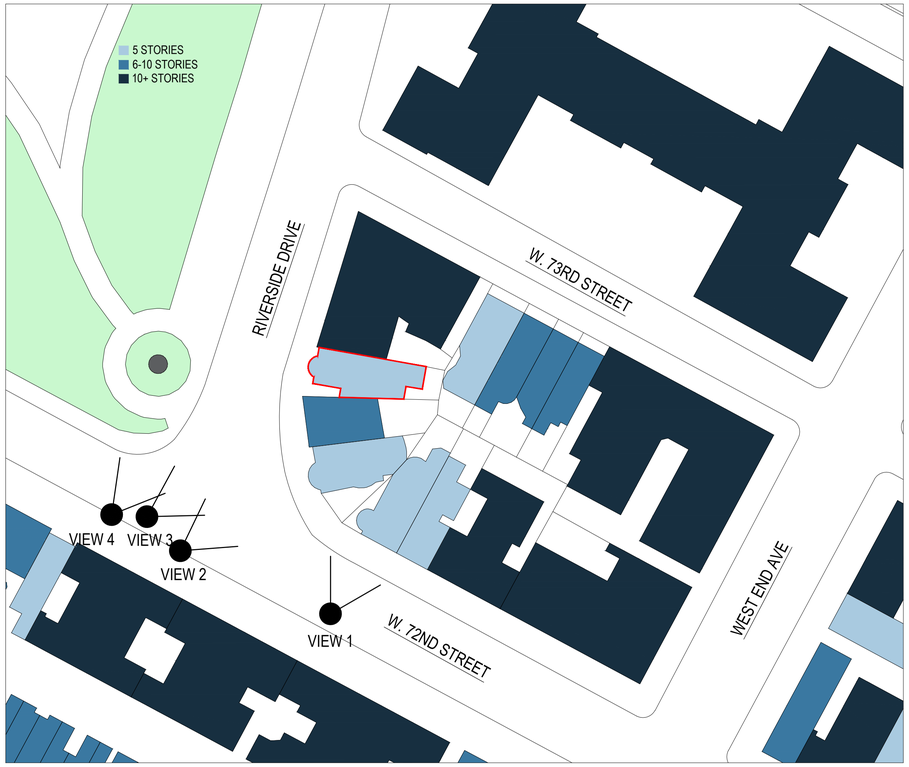
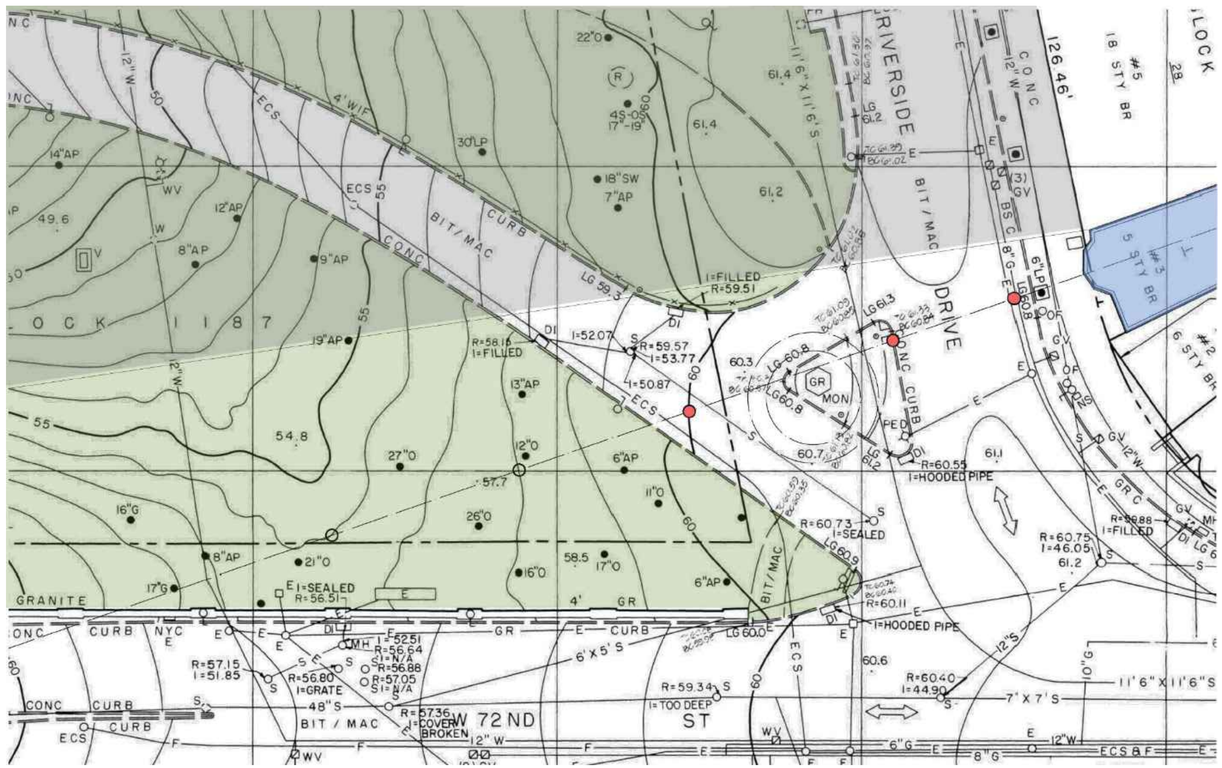
SHEET 5 OF 39



3 ZONING SECTION
SCALE: 1/16" = 1'-0"



2 EXISTING SITE PLAN
SCALE: N.T.S.



1 TOPOGRAPHICAL MAP OF RIVERSIDE PARK PROVIDED BY DEPT. OF PARKS AND RECREATION
SCALE: N.T.S.

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CONTEXTUAL INFORMATION AND EXTENTS OF VISION

SHEET NO
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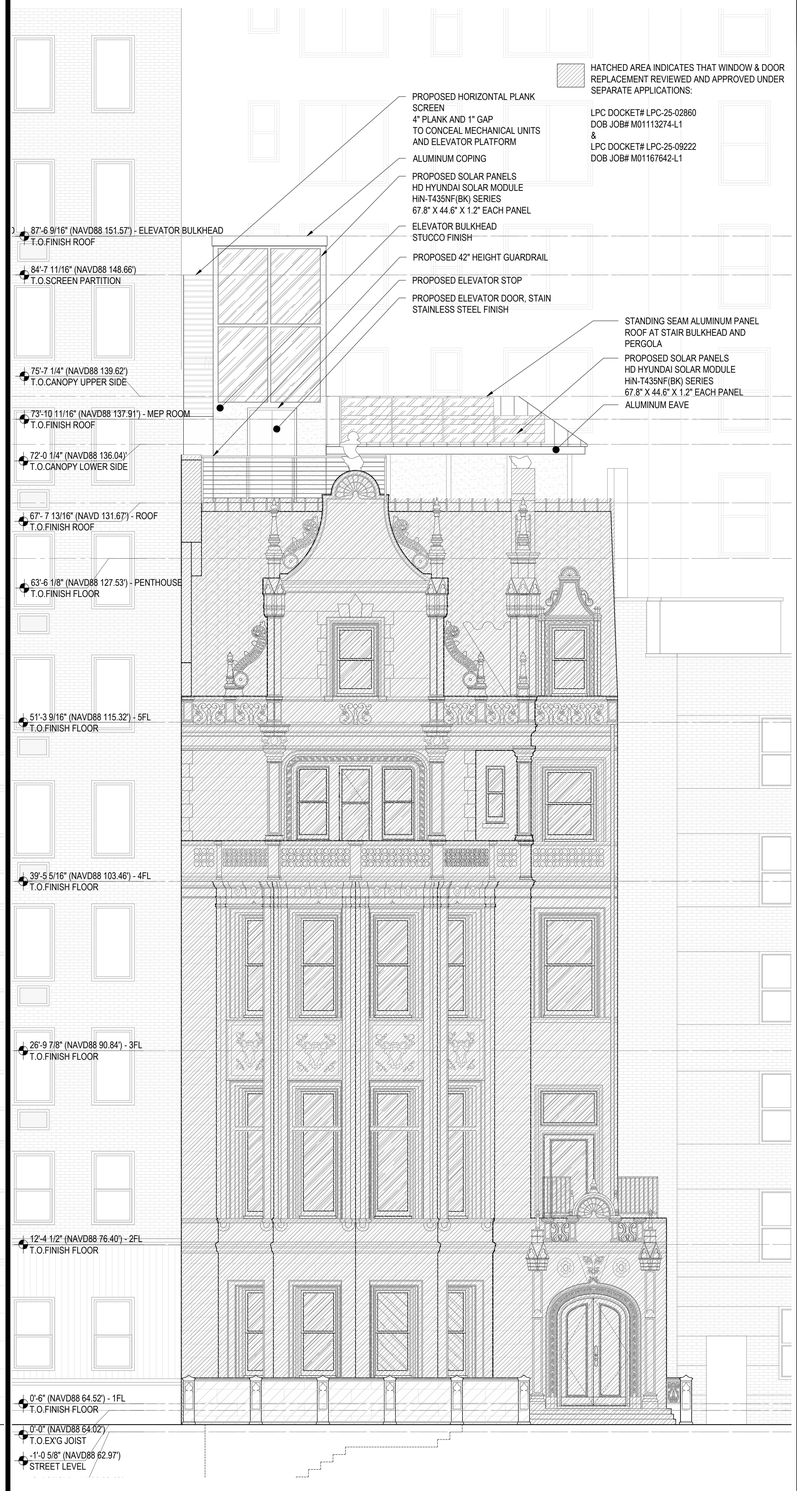
3 EXISTING FRONT ELEVATION
SCALE: 3/16" = 1'-0"

2 PREVIOUS APPROVED FRONT ELEVATION
SCALE: 3/16" = 1'-0"



1 PROPOSED FRONT ELEVATION
SCALE: 3/16" = 1'-0"

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FRONT ELEVATION COMPARISONS

SHEET NO
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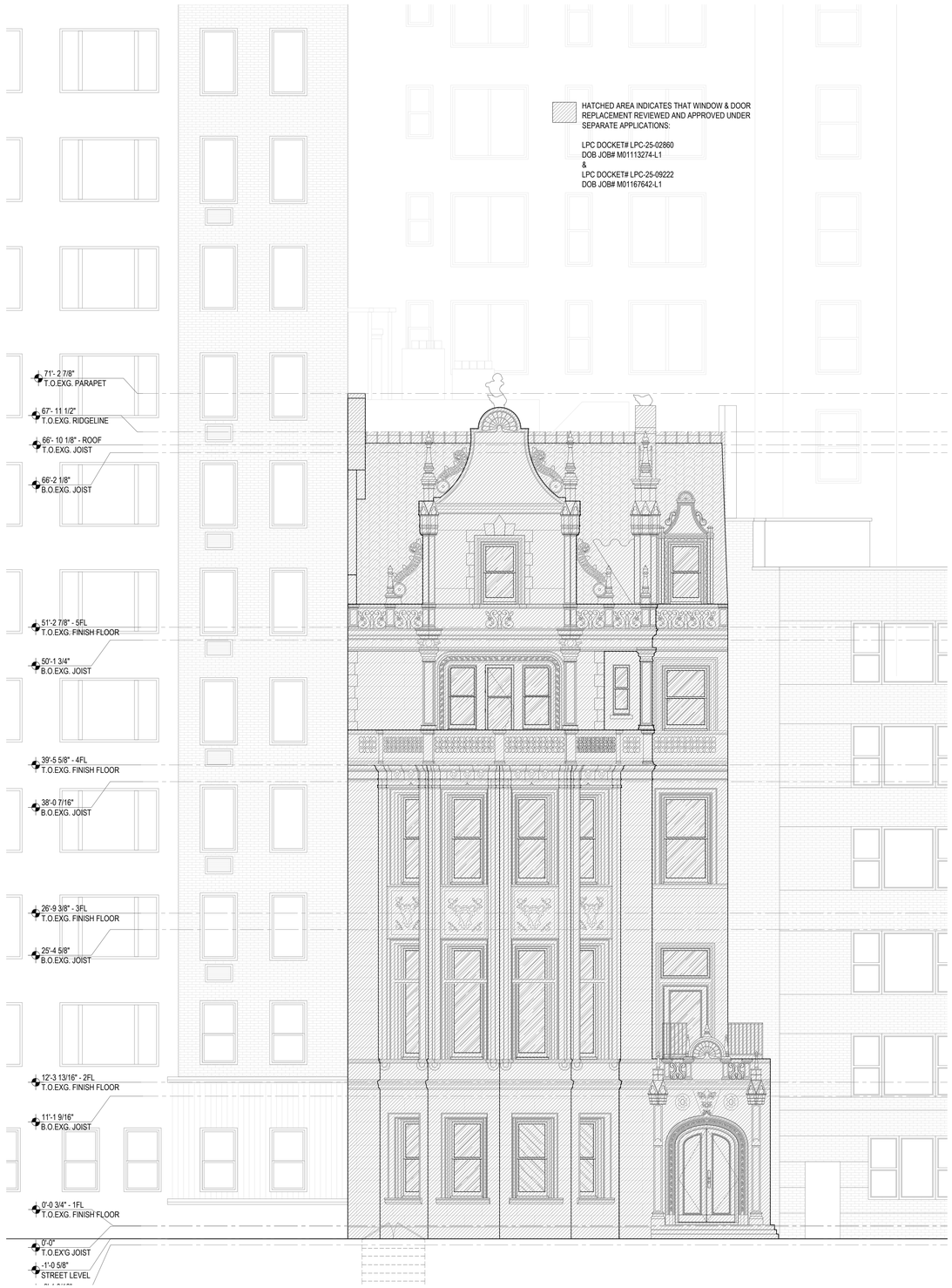
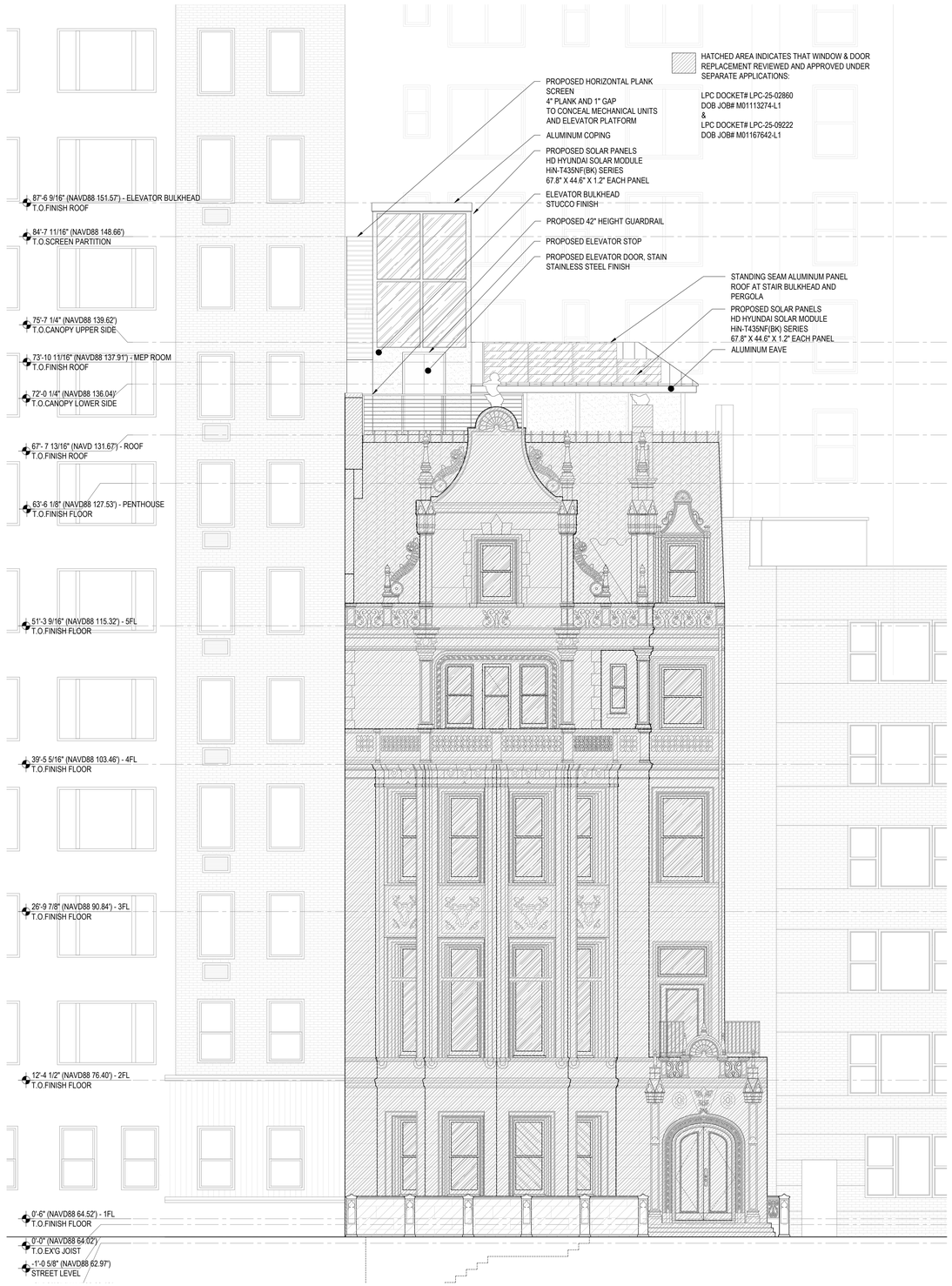


2 EXISTING FRONT ELEVATION

SCALE: 3/16" = 1'-0"



1 PROPOSED FRONT ELEVATION

SCALE: 3/16" = 1'-0"

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FRONT ELEVATION COMPARISONS

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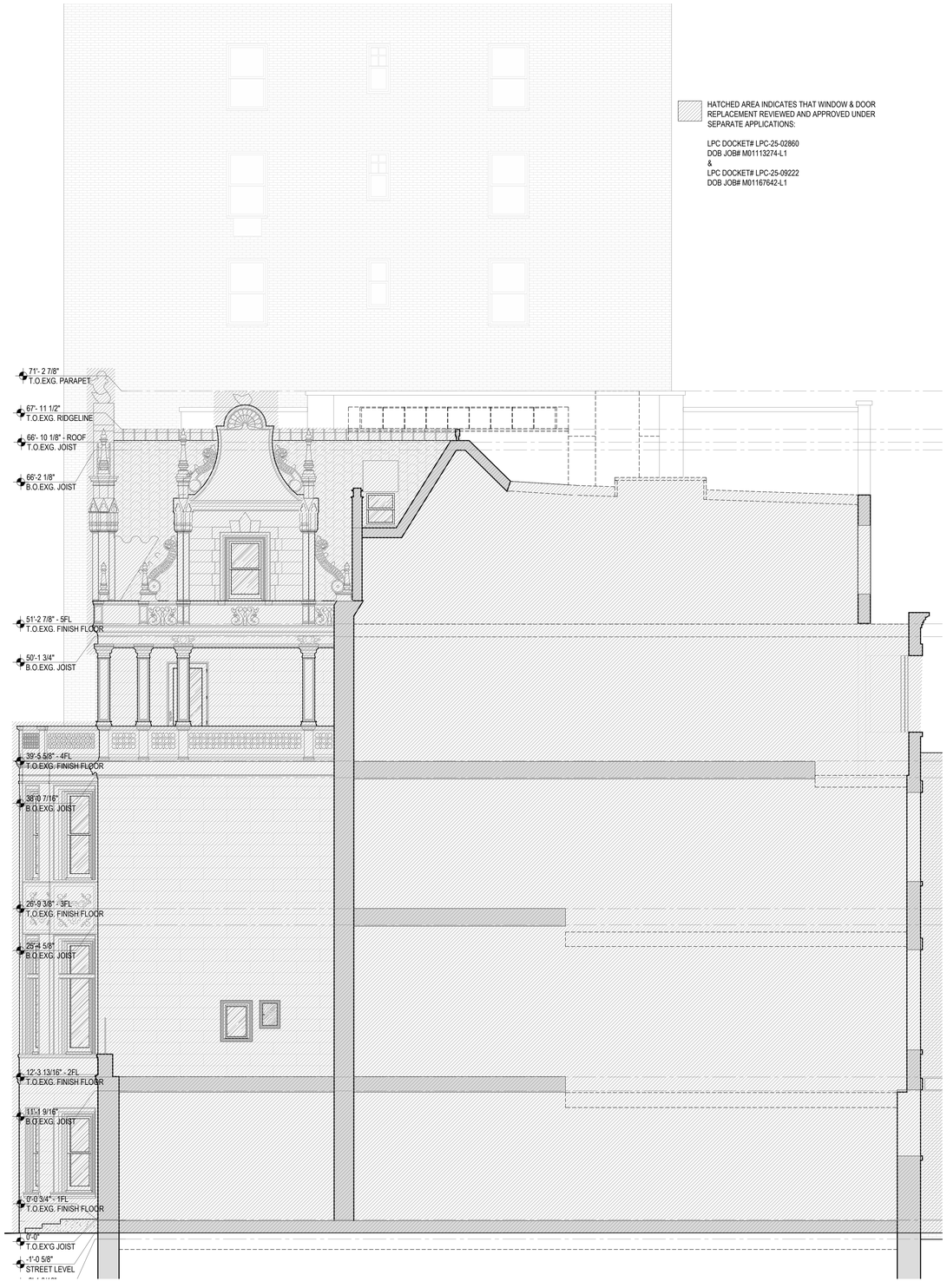
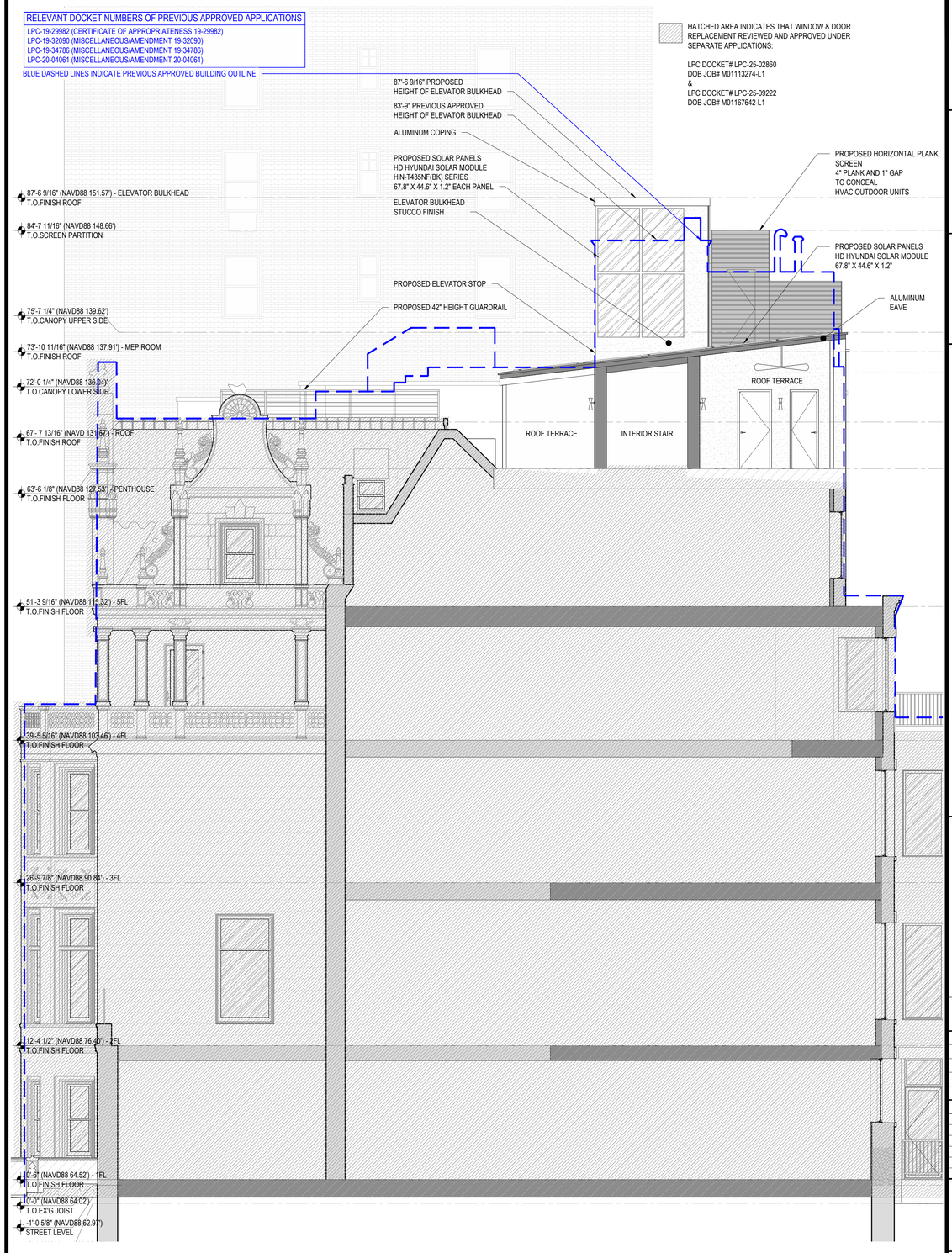


2 EXISTING SIDE ELEVATION

SCALE: 3/16" = 1'-0"



1 PROPOSED SIDE ELEVATION

SCALE: 3/16" = 1'-0"

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SIDE ELEVATION COMPARISONS

SHEET NO

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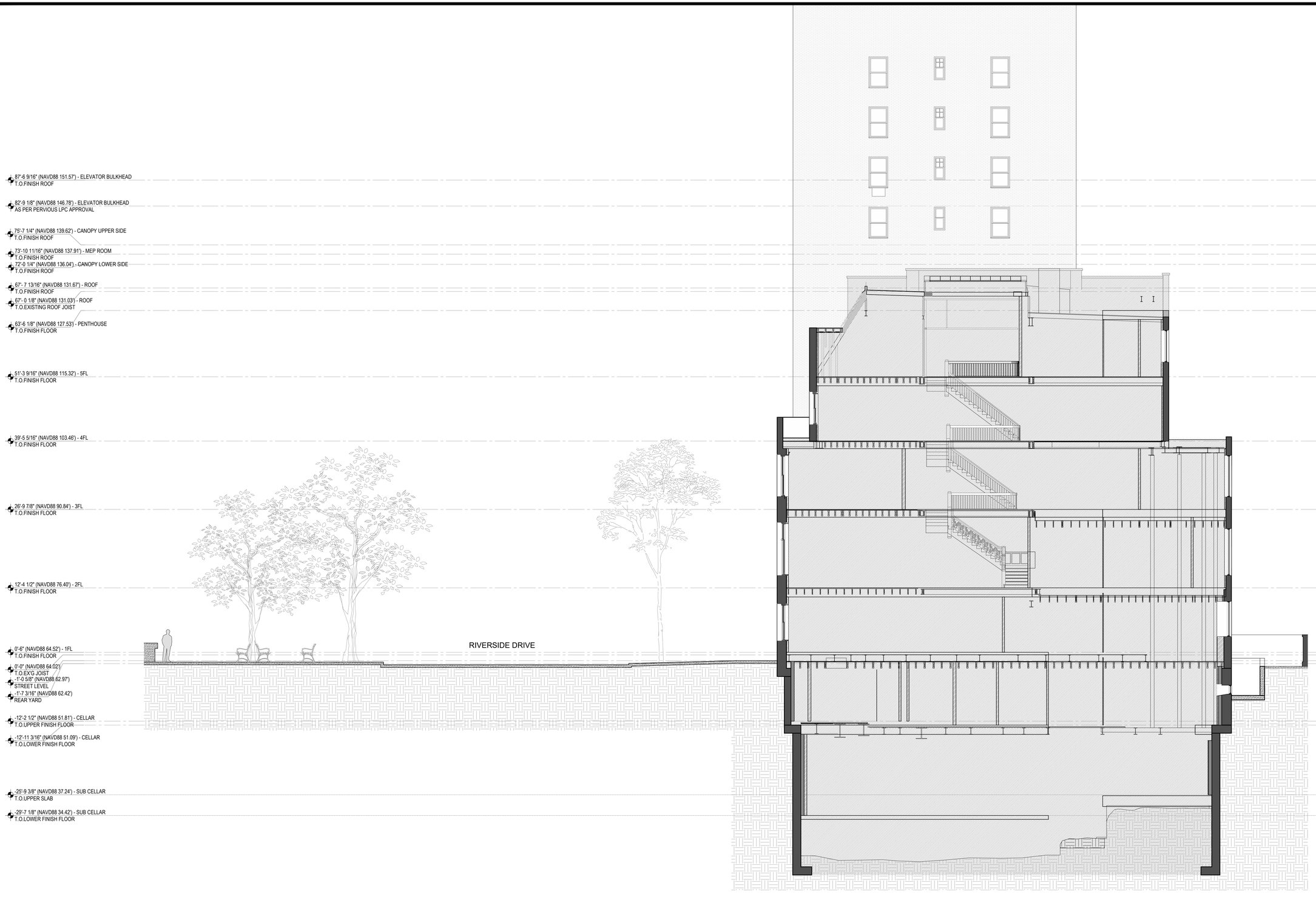

1 EXISTING EAST-WEST SECTION
SCALE: 1/8" = 1'-0"

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EXISTING EAST-WEST SECTION

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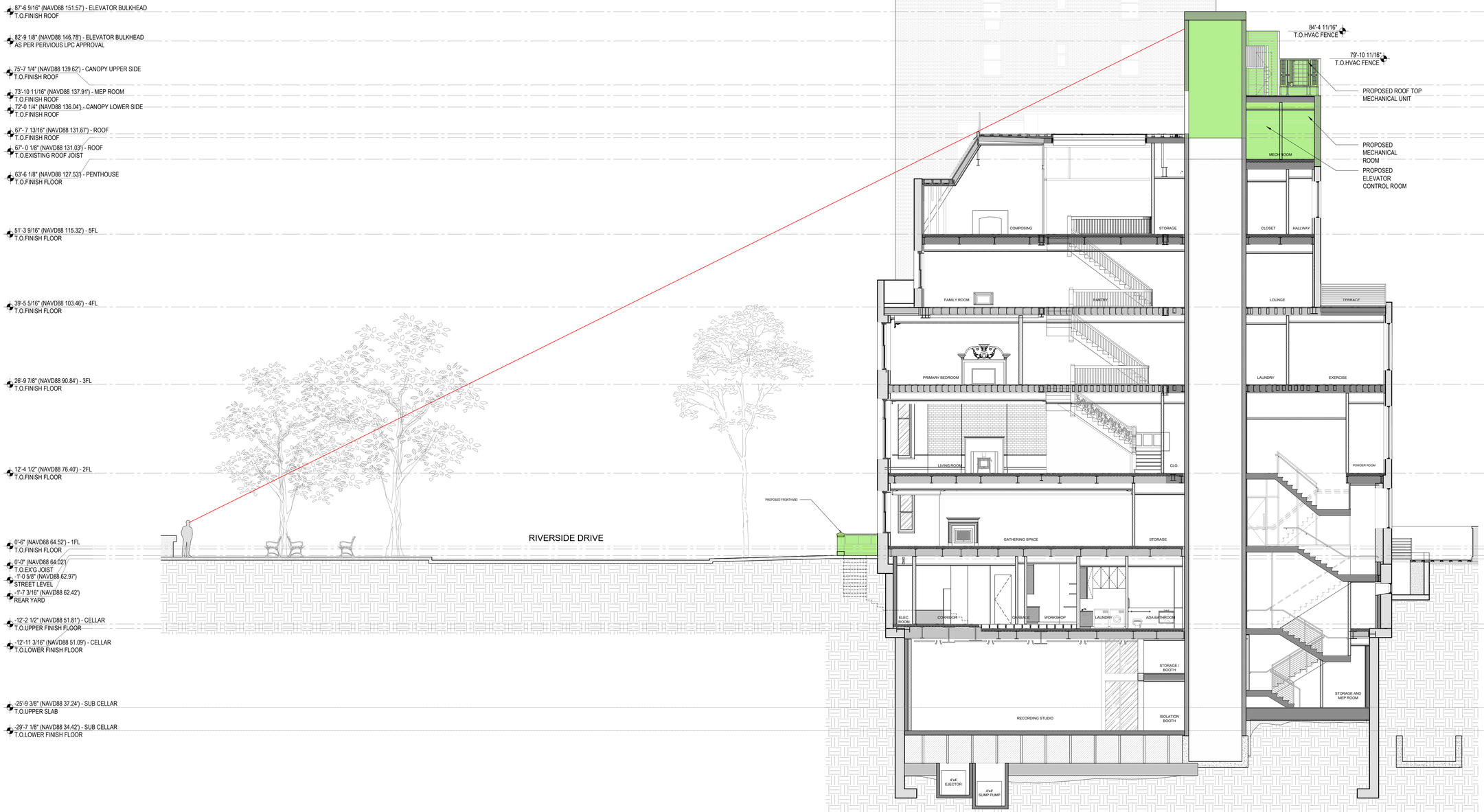

1 PROPOSED EAST-WEST SECTION
SCALE: 1/8" = 1'-0"

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PROPOSED
EAST-WEST SECTION

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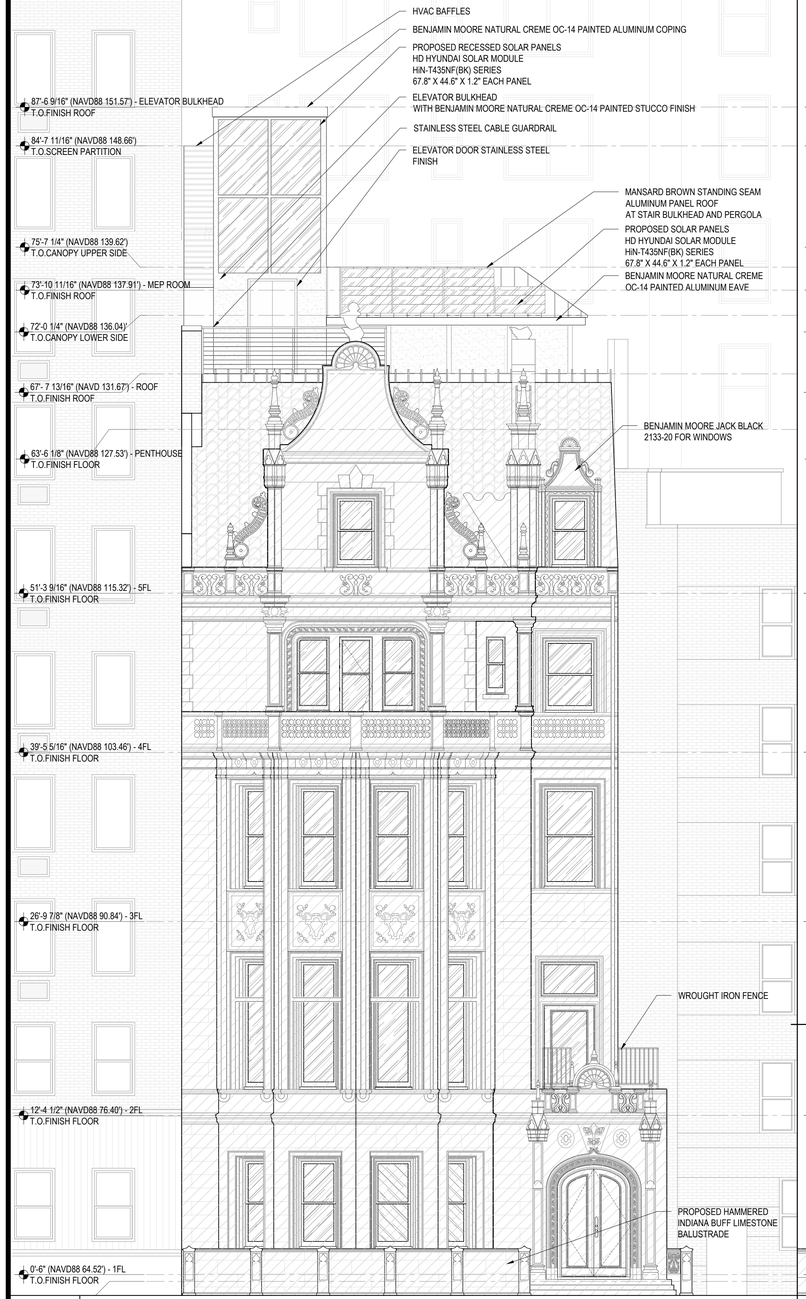
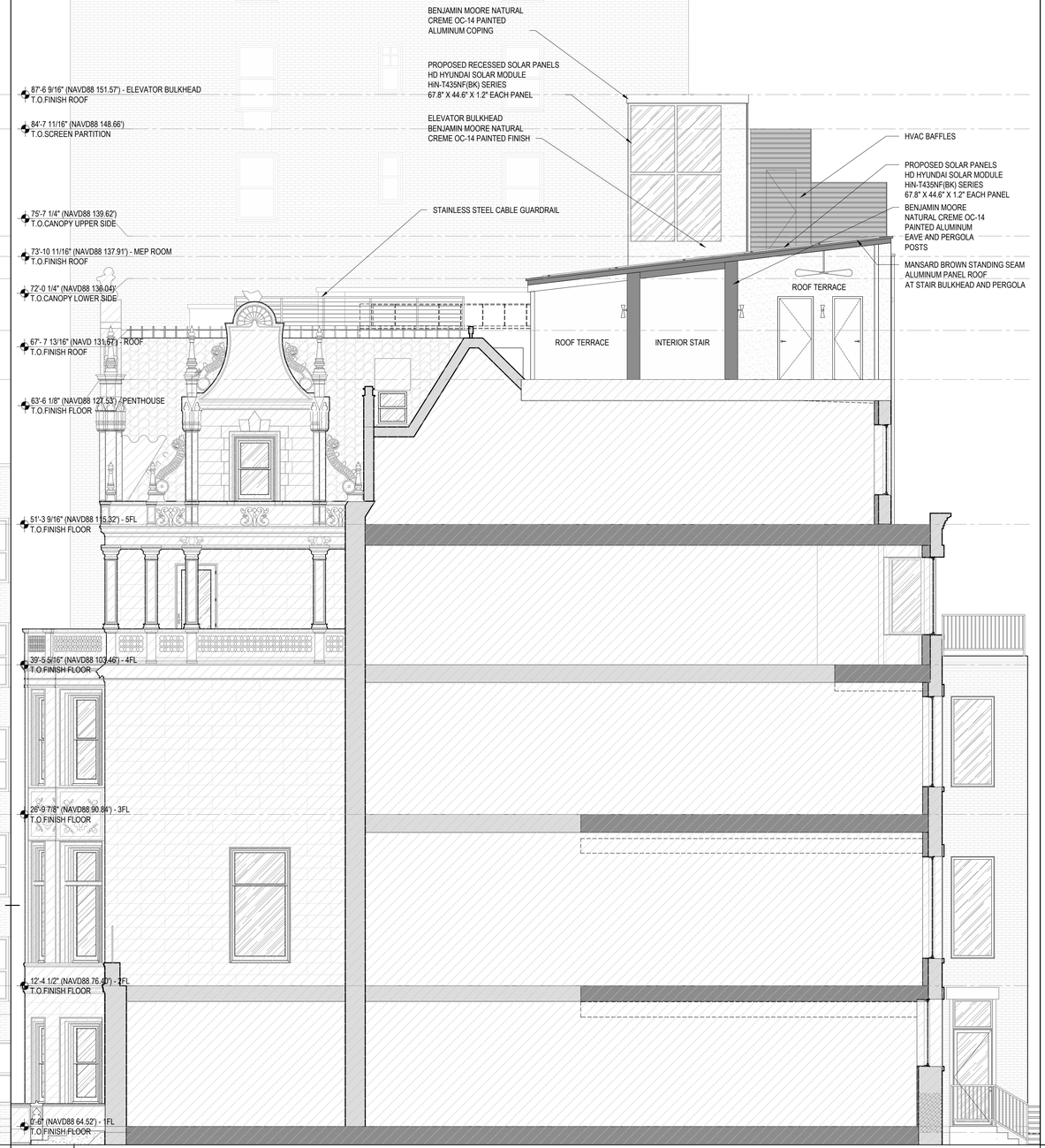
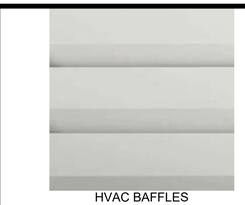


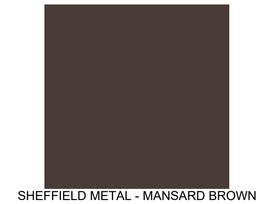
3 PROPOSED FRONT ELEVATION
SCALE: 3/16" = 1'-0"

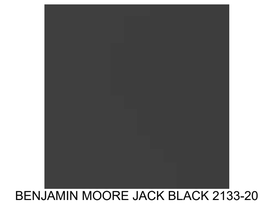


2 PROPOSED SIDE ELEVATION
SCALE: 3/16" = 1'-0"


HVAC BAFFLES

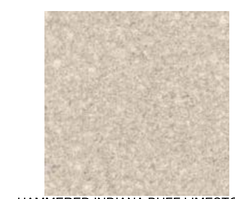

STAINLESS STEEL


SHEFFIELD METAL - MANSARD BROWN


BENJAMIN MOORE JACK BLACK 2133-20

BENJAMIN MOORE NATURAL CREME 0C-14


WROUGHT IRON
(REFERENCE ONLY - FOR PAINTED METAL)


HAMMERED INDIANA BUFF LIMESTONE

1 MATERIALS
SCALE: 3/8" = 1'-0"

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MATERIALS

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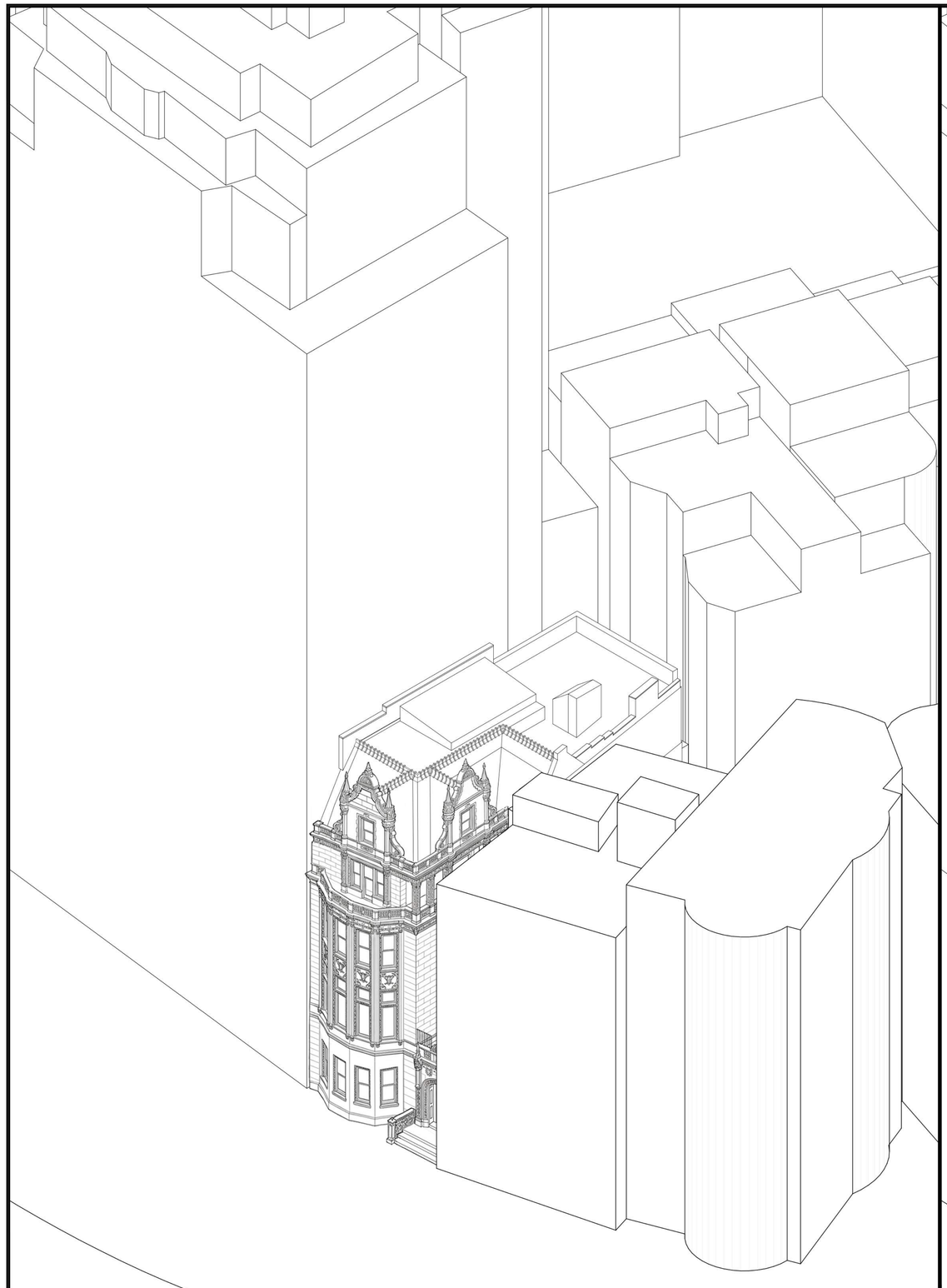
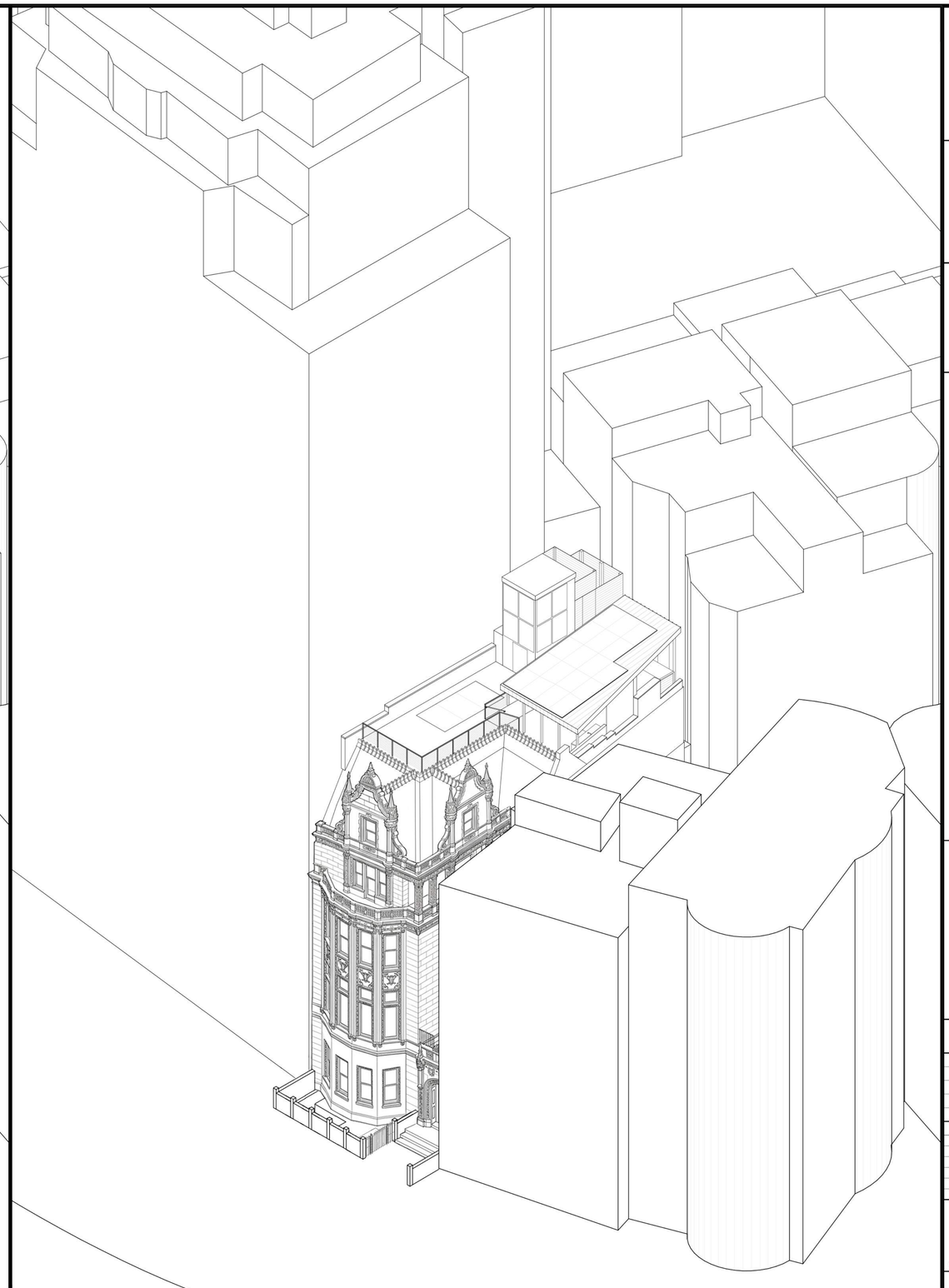


1 EXISTING AXONOMETRIC DRAWING
SCALE: 3/32" = 1'-0"



2 PROPOSED AXONOMETRIC DRAWING
SCALE: 3/32" = 1'-0"

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EXISTING AND PROPOSED AXONOMETRIC VIEW

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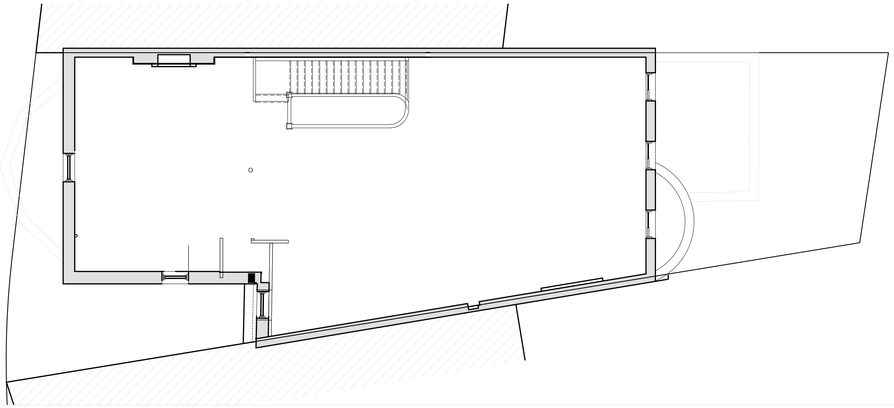
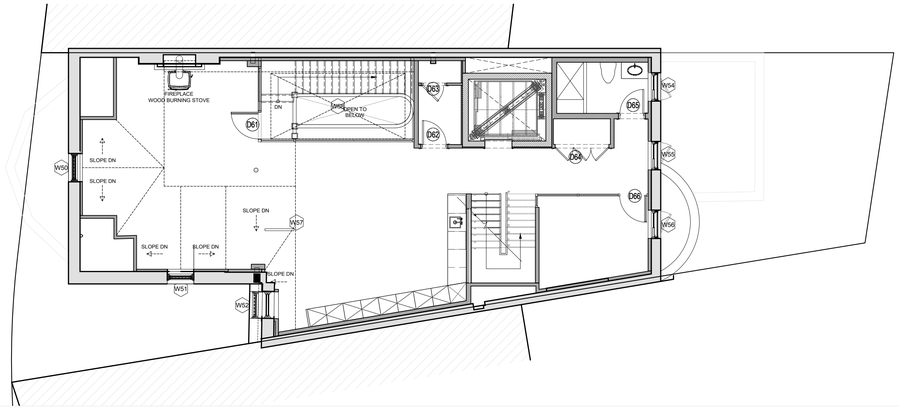
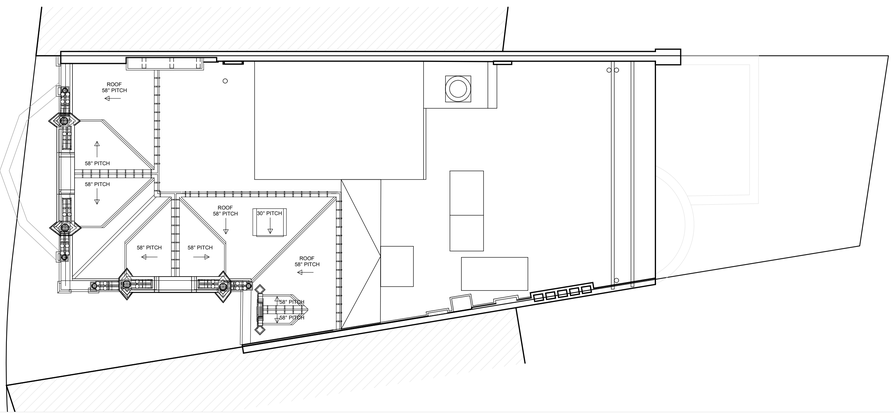


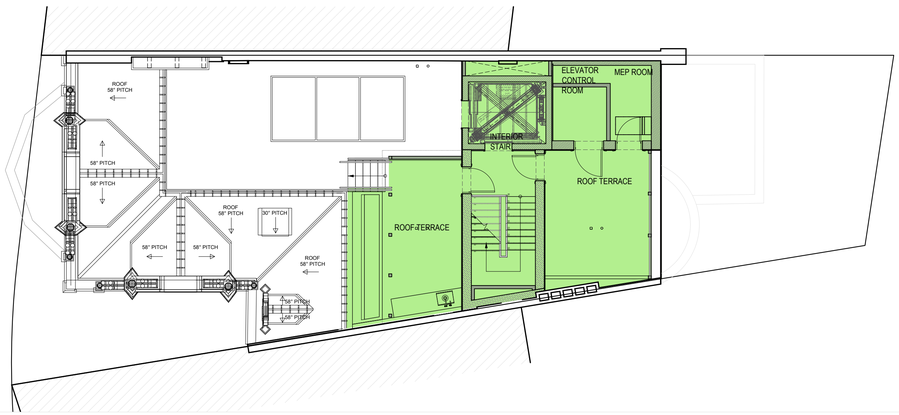
5 EXISTING 5TH FLOOR PLAN
SCALE: 1/8" = 1'-0"



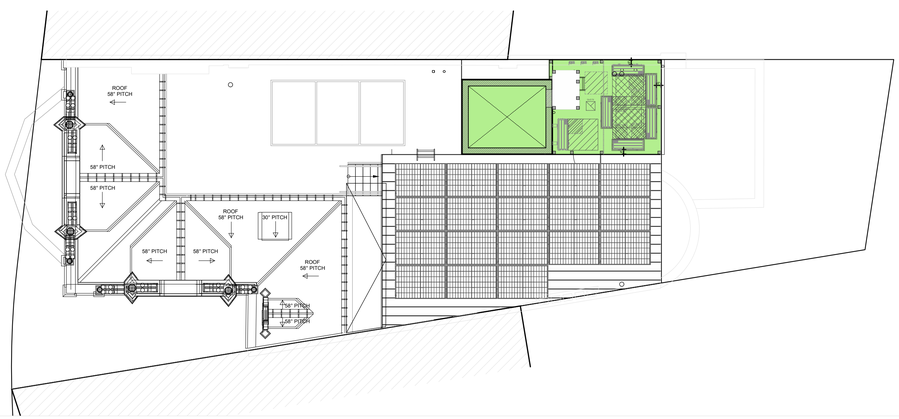
4 PROPOSED 5TH FLOOR PLAN
SCALE: 1/8" = 1'-0"



3 EXISTING ROOF PLAN
SCALE: 1/8" = 1'-0"



2 PROPOSED 6TH FLOOR PLAN
SCALE: 1/8" = 1'-0"



1 PROPOSED ROOF TERRACE PLAN
SCALE: 1/8" = 1'-0"

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EXISTING AND PROPOSED PLANS

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A-203.00
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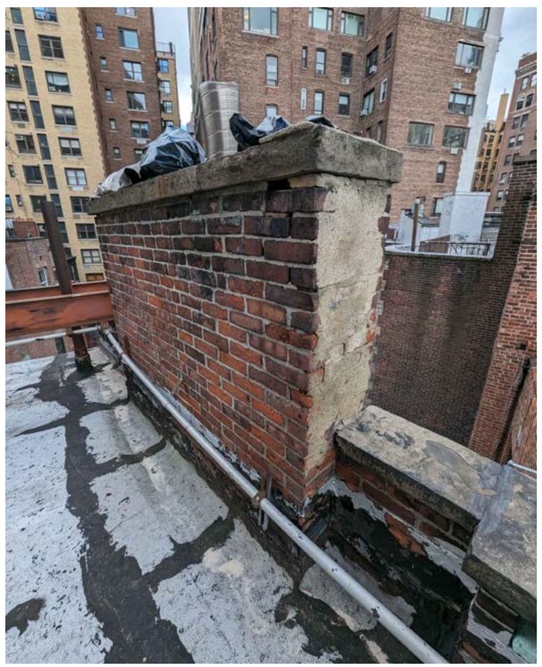
6 PHOTO OF EXISTING SKYLIGHT BULKHEAD
SCALE: N.T.S.

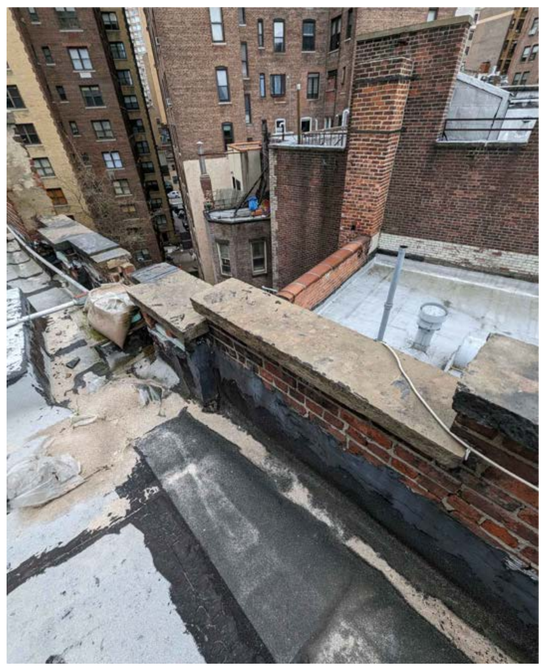
5 PHOTO OF EXISTING NORTH WALL
SCALE: N.T.S.

4 PHOTO OF EXISTING BULKHEAD
SCALE: N.T.S.

3 PHOTO OF EXISTING ROOF CONDITION
SCALE: N.T.S.



2 PHOTO OF EXISTING CHIMNEY
SCALE: N.T.S.



1 PHOTO OF EXISTING PARAPET
SCALE: N.T.S.

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MEP ENGINEER

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NEW YORK, NY 10023

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REGISTERED ARCHITECT
MARY MARGARET LANGAN
025177
STATE OF NEW YORK

PROJECT NO.: 224112
DATE: 08/26/2024
DRAWN BY: TT
CHECKED BY: ML
AREA: 10,964.26 SQ FT

#	ISSUE	DATE
	LPC COMMISSION HEARING	03/31/2026

PHOTOGRAPHS OF EXISTING ROOF CONDITIONS

SHEET NO
A-204.00

3 VIEW OF RAILING MOCKUP AT ROOFTOP TERRACE LEVEL
SCALE: N.T.S.

2 VIEW OF BULKHEAD MOCK UP FROM ROOF
SCALE: N.T.S.

1 VIEW OF BULKHEAD MOCK UP FROM ROOF
SCALE: N.T.S.

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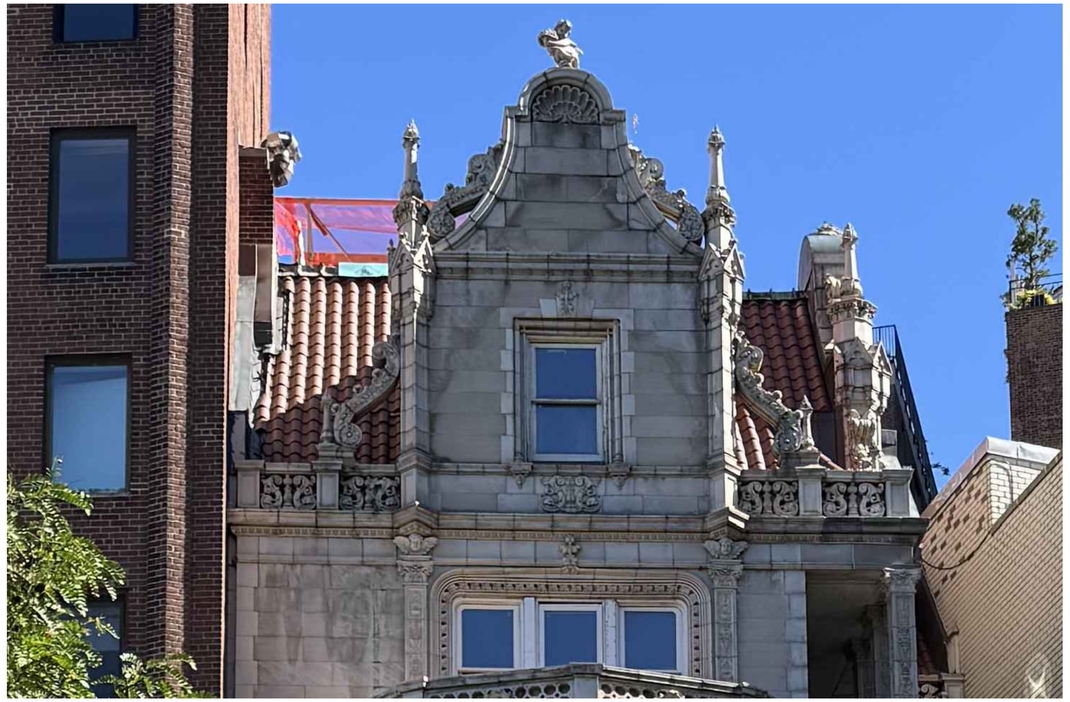
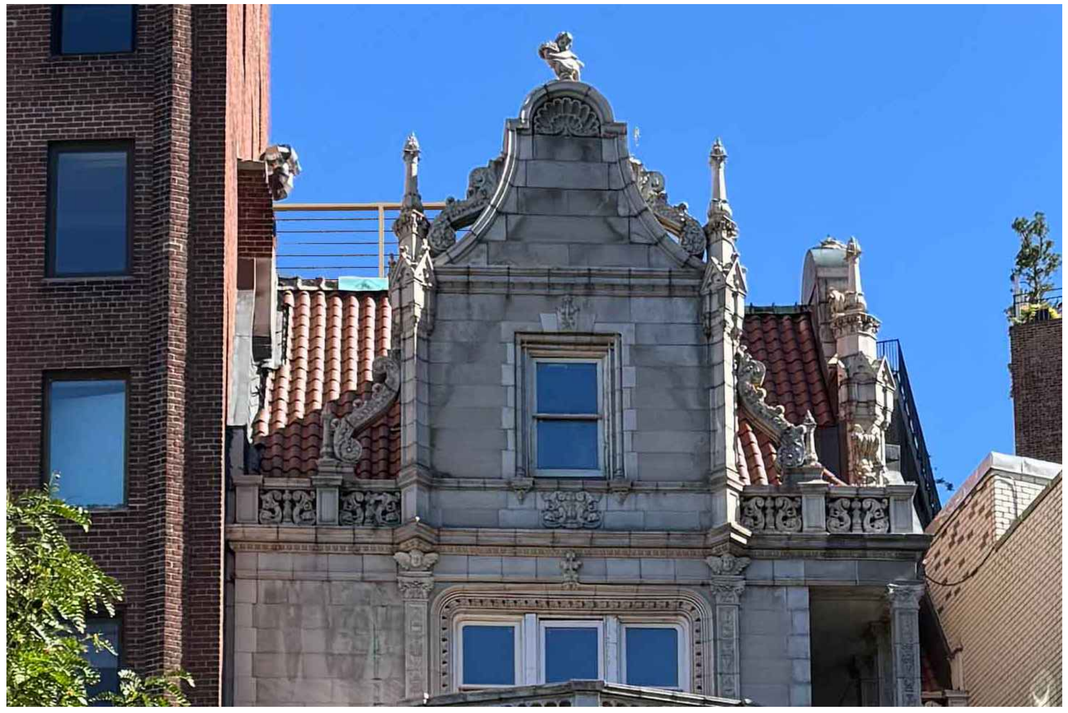
PHOTOGRAPHS OF MOCK UP CONSTRUCTION

SHEET NO
A-205.00
SHEET 16 OF 39

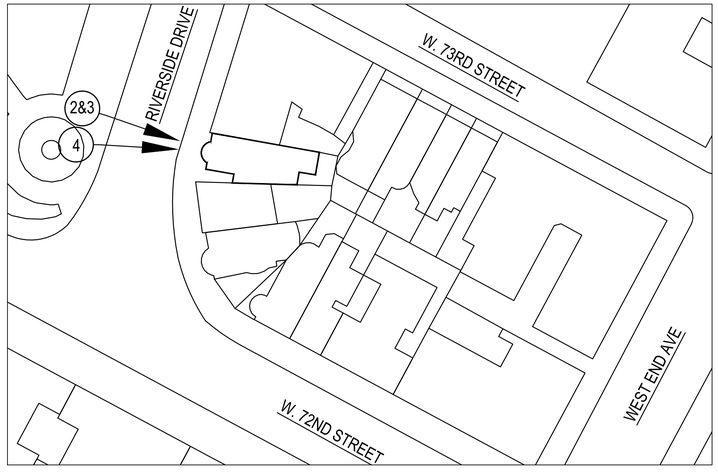
4 VIEW OF MOCK UP FROM RIVERSIDE PARK
SCALE: N.T.S.



3 ZOOMED IN VIEW OF MOCK UP FROM RIVERSIDE PARK
SCALE: N.T.S.



2 ZOOMED IN VIEW OF RENDERING FROM RIVERSIDE PARK
SCALE: N.T.S.



1 SITE PLAN WITH PHOTO LOCATION
SCALE: N.T.S.

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PHOTOGRAPHS OF MOCK UP FROM VISIBLE LOCATIONS

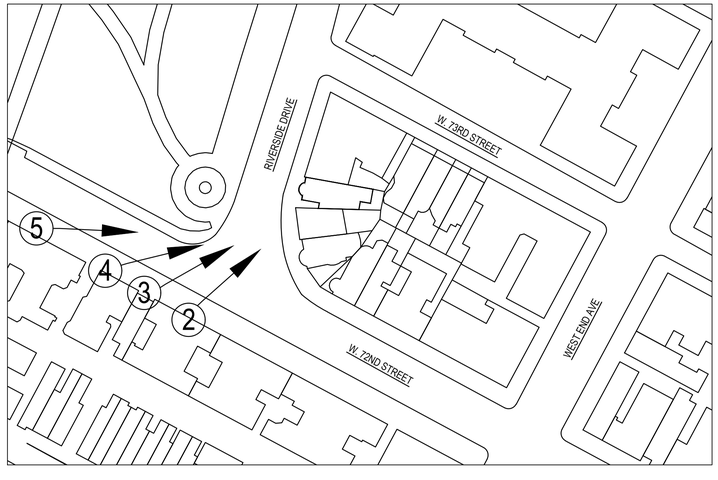
SHEET NO
A-206.00
SHEET 17 OF 39

5 VIEW OF MOCK UP FROM 72ND ST.
SCALE: N.T.S.

4 VIEW OF MOCK UP FROM 72ND ST.
SCALE: N.T.S.

3 VIEW OF MOCK UP FROM 72ND ST.
SCALE: N.T.S.

2 VIEW OF MOCKUP FROM 72ND ST.
SCALE: N.T.S.



1 SITE PLAN WITH PHOTO LOCATION
SCALE: N.T.S.

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	LPC COMMISSION HEARING	03/31/2026

PHOTOGRAPHS OF MOCK UP FROM VISIBLE LOCATIONS

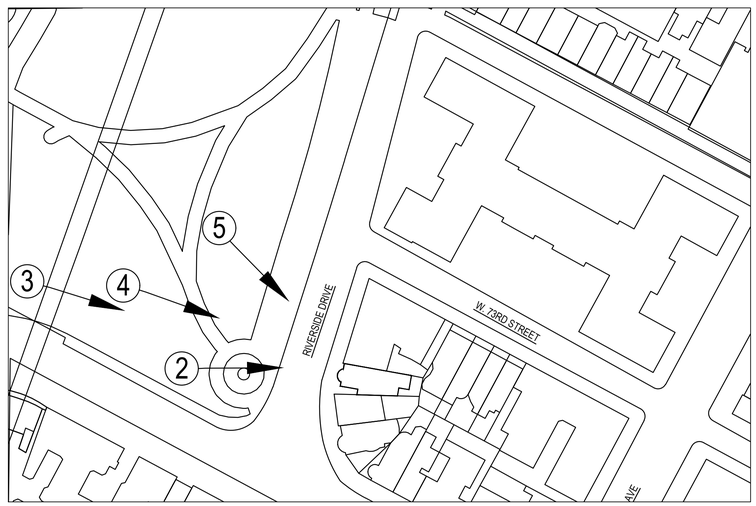
SHEET NO
A-207.00
SHEET 18 OF 39

5 VIEW OF MOCKUP FROM RIVERSIDE PARK
SCALE: N.T.S.

4 VIEW OF MOCKUP FROM RIVERSIDE PARK
SCALE: N.T.S.

3 VIEW OF MOCKUP FROM RIVERSIDE PARK
SCALE: N.T.S.

2 VIEW OF MOCKUP FROM RIVERSIDE PARK
SCALE: N.T.S.



1 SITE PLAN WITH PHOTO LOCATION
SCALE: N.T.S.

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	LPC COMMISSION HEARING	03/31/2026

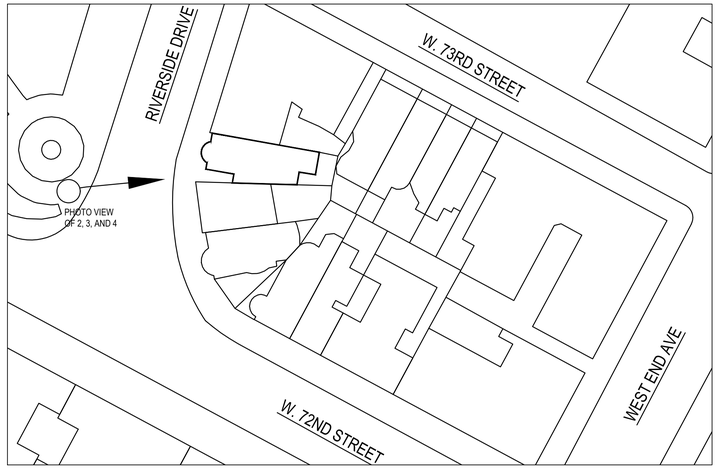
PHOTOGRAPHS OF MOCK UP FROM VISIBLE LOCATIONS

SHEET NO
A-208.00
SHEET 19 OF 39

4 PHOTO OF EXISTING CONDITION FROM RIVERSIDE DRIVE
SCALE: N.T.S.

3 PHOTO OF MOCK UP FROM RIVERSIDE DRIVE
SCALE: N.T.S.

2 RENDERED VIEW OF MOCK UP FROM RIVERSIDE DRIVE
SCALE: N.T.S.



1 SITE PLAN WITH PHOTO LOCATION
SCALE: N.T.S.

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PROJECT NO.: 224112
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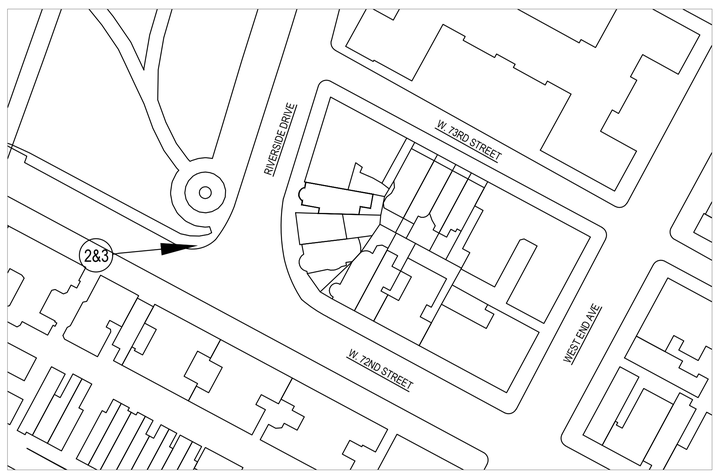
#	ISSUE	DATE
	LPC COMMISSION HEARING	03/31/2026

PHOTOGRAPHS OF MOCK UP FROM RIVERSIDE DR.

SHEET NO
A-209.00
SHEET 20 OF 39

3 VIEW OF MOCK UP FROM 72ND ST.
SCALE: N.T.S.

2 MATERIAL RENDERING OF VIEW FROM W. 72ND ST.
SCALE: N.T.S.



1 SITE PLAN WITH PHOTO LOCATION
SCALE: N.T.S.

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PROJECT NO.: 224112
DATE: 08/26/2024
DRAWN BY: TT
CHECKED BY: ML
AREA: 10,964.26 SQ FT

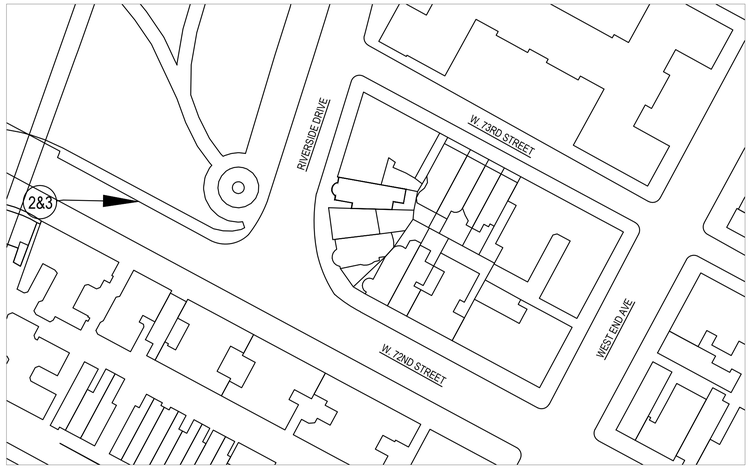
#	ISSUE	DATE
	LPC COMMISSION HEARING	03/31/2026

MOCK UP AND RENDER FROM W. 72ND STREET

SHEET NO
A-209.01
SHEET 21 OF 39

3 VIEW OF MOCK UP FROM 72ND ST.
SCALE: N.T.S.

2 MATERIAL RENDERING OF VIEW FROM W. 72ND ST.
SCALE: N.T.S.



1 SITE PLAN WITH PHOTO LOCATION
SCALE: N.T.S.

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PROJECT NO.:	224112
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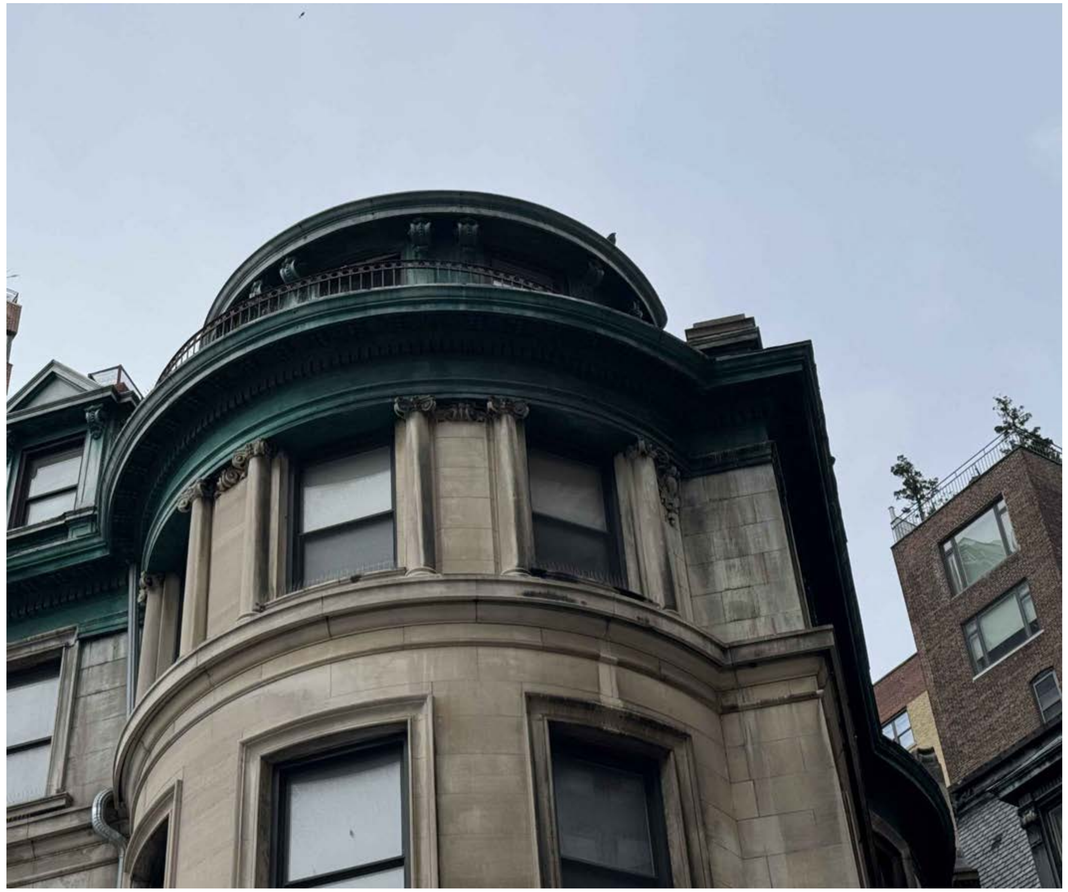
	LPC COMMISSION HEARING	03/31/2026

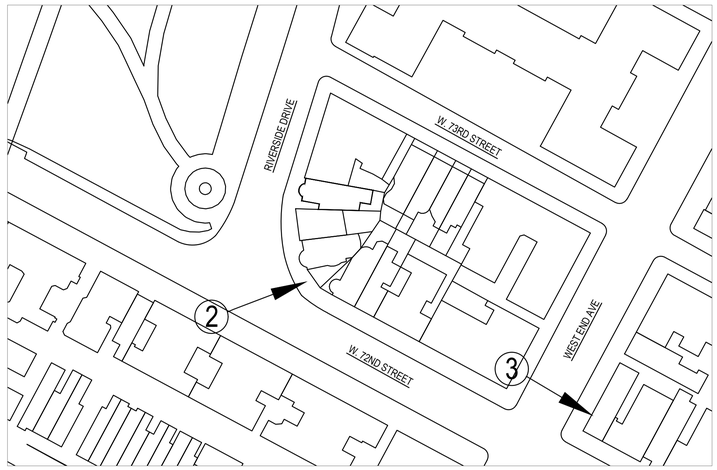
MOCK UP AND RENDER FROM W. 72ND STREET

SHEET NO
A-209.02
SHEET 22 OF 39



3 PRECEDENT OF ROOF RAILING - 1 RIVERSIDE DRIVE
SCALE: N.T.S.

2 PRECEDENT OF ROOF RAILING - 262 WEST END AV.
SCALE: N.T.S.



1 SITE PLAN WITH PHOTO LOCATION
SCALE: N.T.S.

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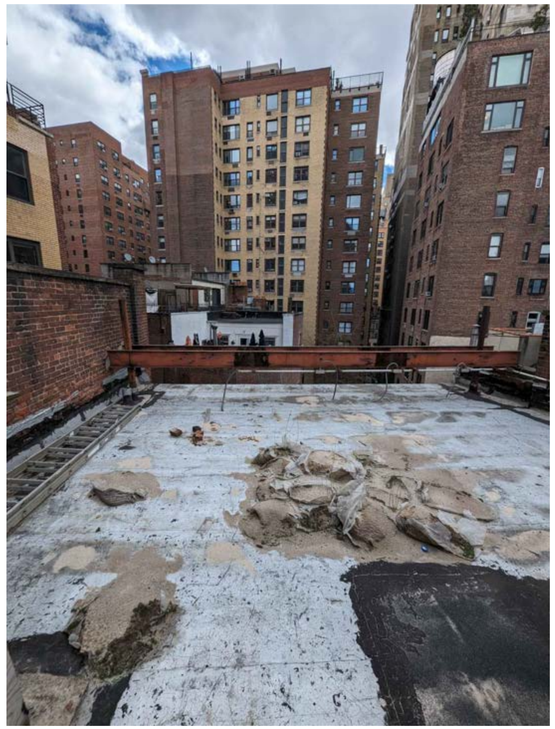
	LPC COMMISSION HEARING	03/31/2026

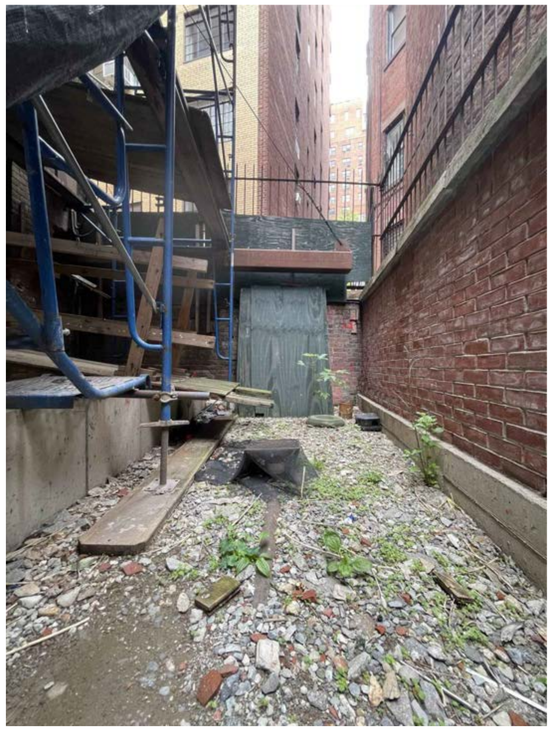
PRECEDENTS WITH RAILING ON THE ROOF

SHEET NO
A-210.00
SHEET 23 OF 39

4 EXISTING CONDITION - REAR FACADE
SCALE: N.T.S.



3 EXISTING CONDITION - REAR ROOF
SCALE: N.T.S.



2 EXISTING CONDITION - REAR YARD
SCALE: N.T.S.

1 EXISTING CONDITION - REAR YARD
SCALE: N.T.S.

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PROJECT NO.: 224112
DATE: 08/26/2024
DRAWN BY: TT
CHECKED BY: ML
AREA: 10,964.26 SQ FT

#	ISSUE	DATE
	LPC COMMISSION HEARING	03/31/2026

EXISTING REAR ROOF CONDITIONS

SHEET NO
A-211.00
SHEET 24 OF 39

HATCHED AREA INDICATES THAT WINDOW & DOOR REPLACEMENT REVIEWED AND APPROVED UNDER SEPARATE APPLICATIONS:

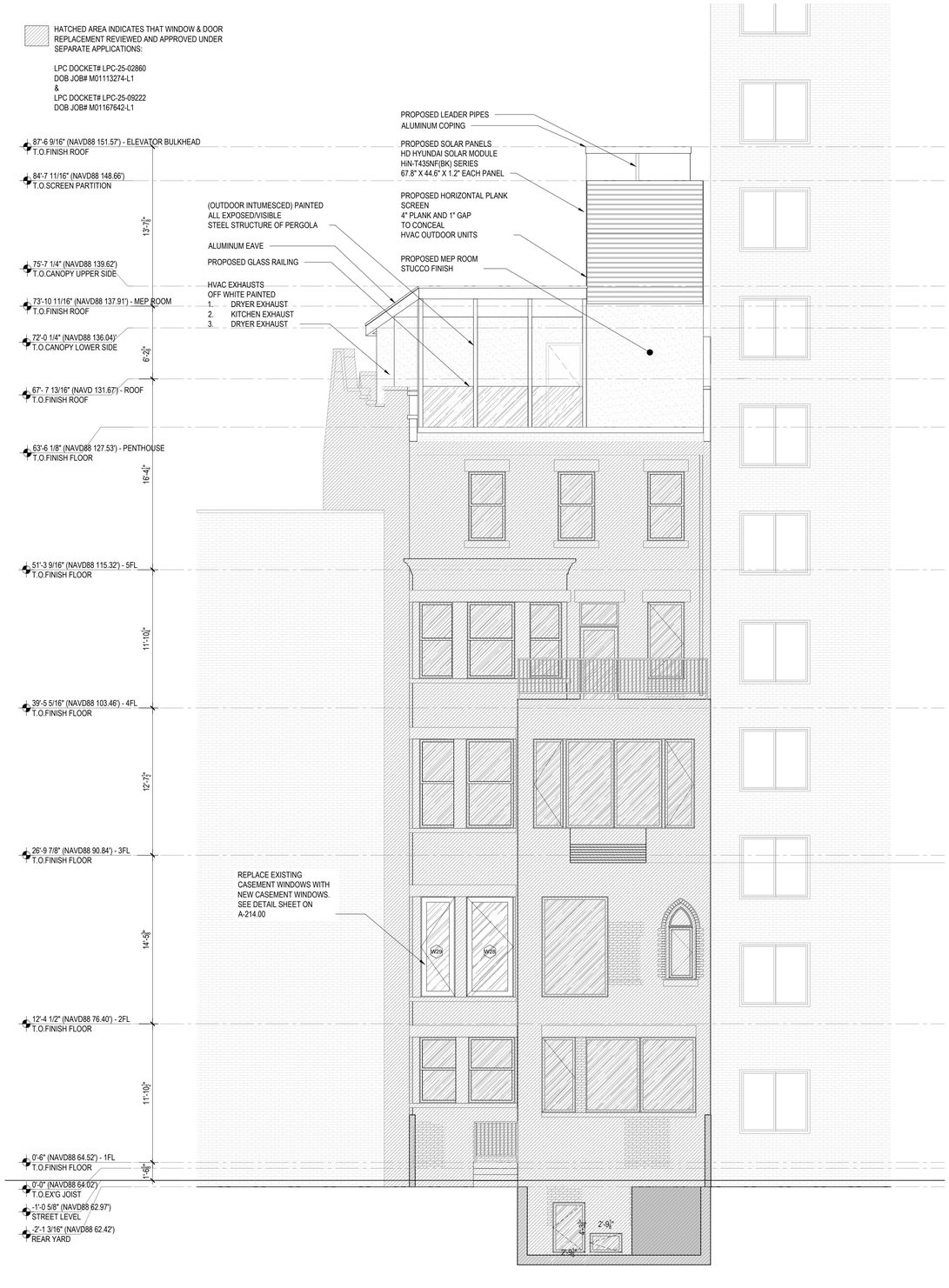
LPC DOCKET# LPC-25-02860
DOB JOB# M01113274-L1
&
LPC DOCKET# LPC-25-09222
DOB JOB# M01167642-L1

2 EXISTING REAR ELEVATION

SCALE: 3/16" = 1'-0"

HATCHED AREA INDICATES THAT WINDOW & DOOR REPLACEMENT REVIEWED AND APPROVED UNDER SEPARATE APPLICATIONS:

LPC DOCKET# LPC-25-02860
DOB JOB# M01113274-L1
&
LPC DOCKET# LPC-25-09222
DOB JOB# M01167642-L1



1 PROPOSED REAR ELEVATION

SCALE: 3/16" = 1'-0"

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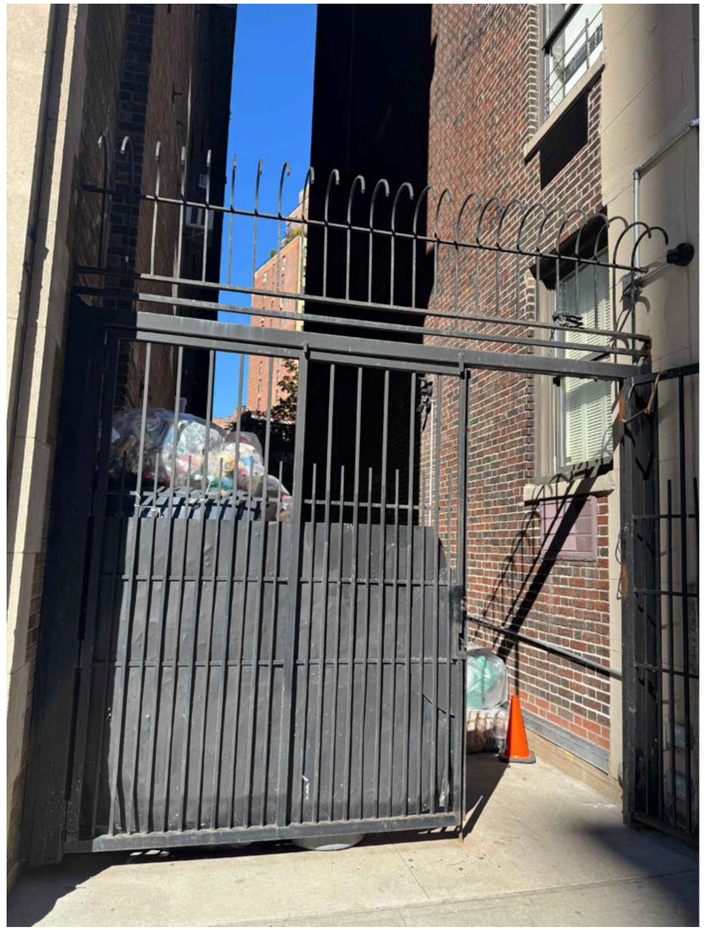
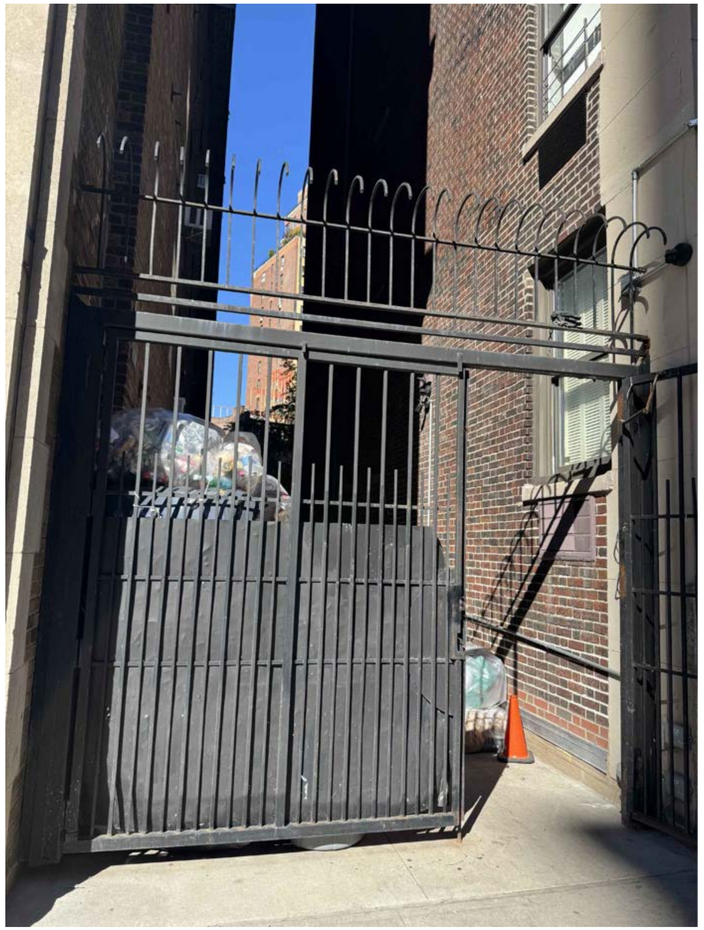
REAR ELEVATION COMPARISONS

SHEET NO

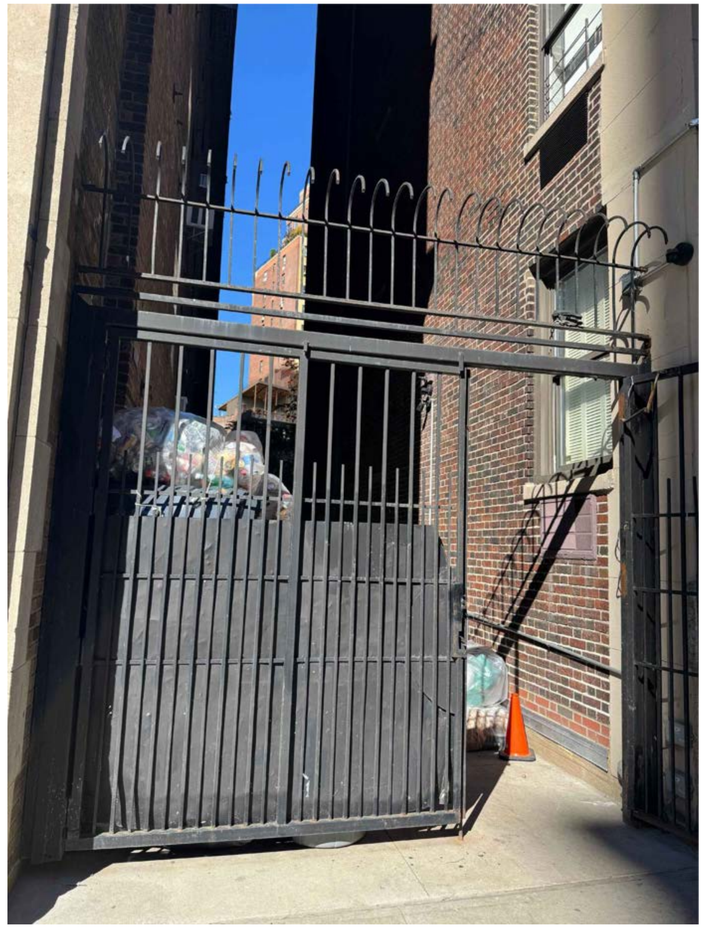
A-212.00



3 EXISTING PHOTO - WEST END AVE. WEST SIDEWALK
SCALE: N.T.S.



2 MOCK UP PHOTO - WEST END AVE. WEST SIDEWALK
SCALE: N.T.S.



1 PROPOSED RENDERING - WEST END AVE. WEST SIDEWALK
SCALE: N.T.S.

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EXISTING AND PROPOSED REAR VIEWS

SHEET NO
A-213.00
SHEET 26 OF 39

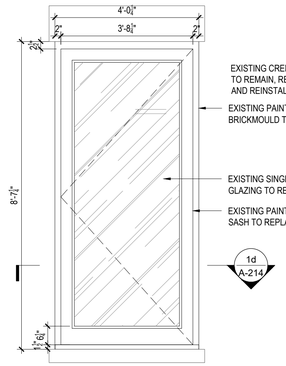
EXISTING INTERIOR CONDITION W28, W29 PHOTO
(DATE TAKEN: OCTOBER 29TH, 2024)

EXISTING CONDITION W28, W29 PHOTO
(DATE TAKEN: OCTOBER 29TH, 2024)

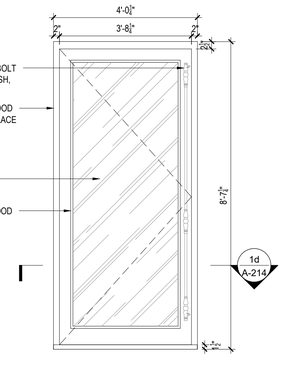
EXISTING CONDITION W28, W29 PHOTO
(DATE TAKEN: SEPTEMBER 10TH, 2025)

EXISTING CONDITION W28, W29 PHOTO
EXISTING CREMONE BOLTS TO REMAIN
(DATE TAKEN: SEPTEMBER 10TH, 2025)

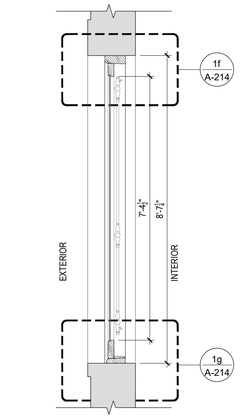
1 PICTURES
SCALE: N.T.S.



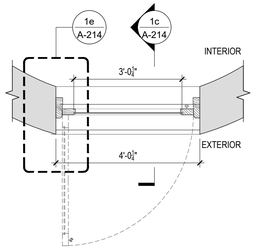
1a EXISTING WINDOW EXTERIOR ELEVATION
1/2" = 1'-0"



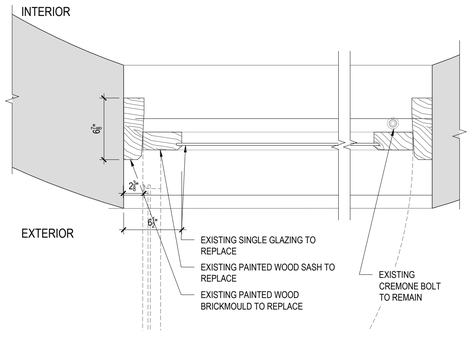
1b EXISTING WINDOW INTERIOR ELEVATION
1/2" = 1'-0"



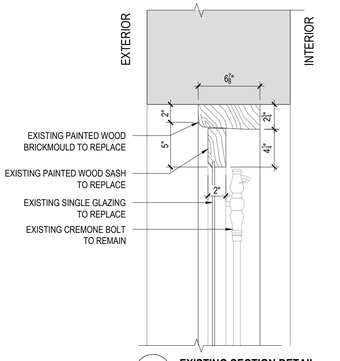
1c EXISTING WINDOW SECTION
1/2" = 1'-0"



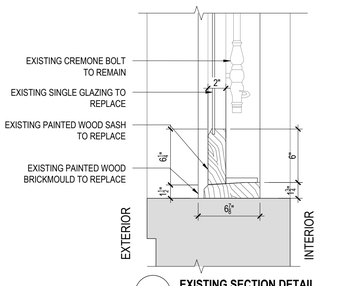
1d EXISTING WINDOW PLAN
1/2" = 1'-0"



1e EXISTING PLAN DETAIL
1-1/2" = 1'-0"

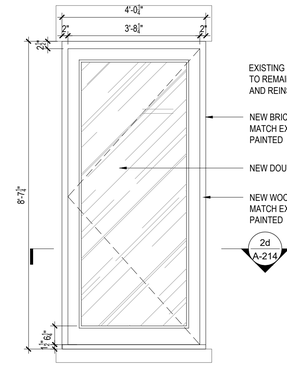


1f EXISTING SECTION DETAIL
1-1/2" = 1'-0"

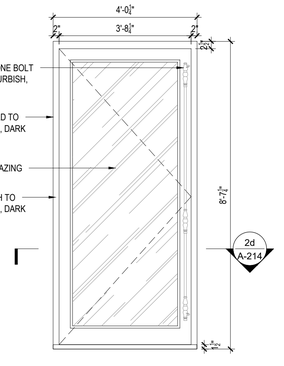


1g EXISTING SECTION DETAIL
1-1/2" = 1'-0"

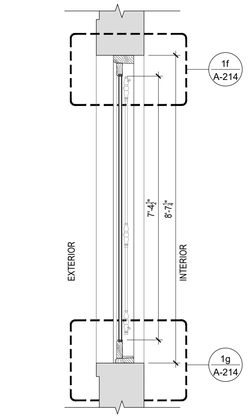
2 EXISTING TYPE M WINDOW #28, 29 - NON-VISIBLE SECONDARY FACADE
SCALE: SEE NOTE



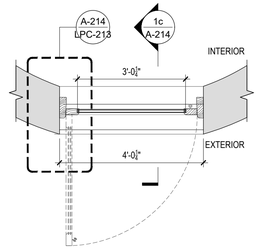
2a PROPOSED WINDOW EXTERIOR ELEVATION
1/2" = 1'-0"



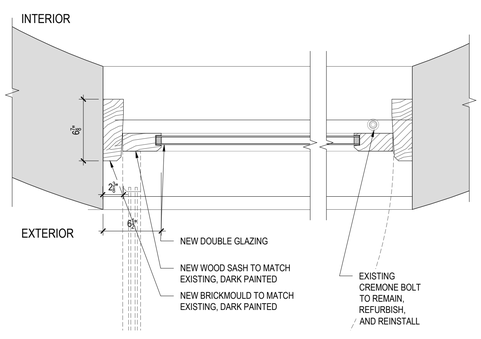
2b PROPOSED WINDOW INTERIOR ELEVATION
1/2" = 1'-0"



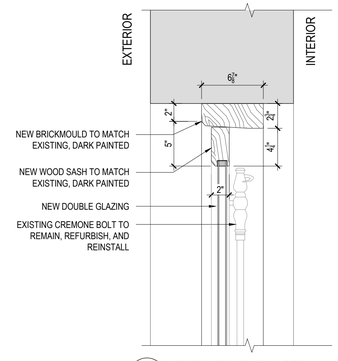
2c PROPOSED WINDOW SECTION
1/2" = 1'-0"



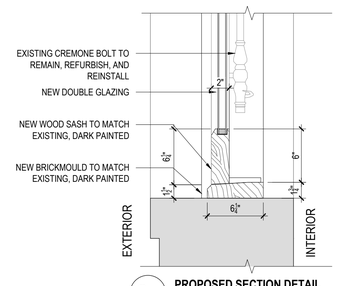
2d PROPOSED WINDOW PLAN
1/2" = 1'-0"



2e PROPOSED PLAN DETAIL
1-1/2" = 1'-0"



2f PROPOSED SECTION DETAIL
1-1/2" = 1'-0"



2g PROPOSED SECTION DETAIL
1-1/2" = 1'-0"

3 PROPOSED TYPE M WINDOW #28, 29 - NON-VISIBLE SECONDARY FACADE
SCALE: SEE NOTE

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STATE OF NEW YORK

PROJECT NO.:	224112
DATE:	08/26/2024
DRAWN BY:	TT
CHECKED BY:	ML
AREA:	10,964.26 SQ FT

#	ISSUE	DATE
	LPC COMMISSION HEARING	03/31/2026

EXISTING AND PROPOSED REAR WINDOW #28 & #29

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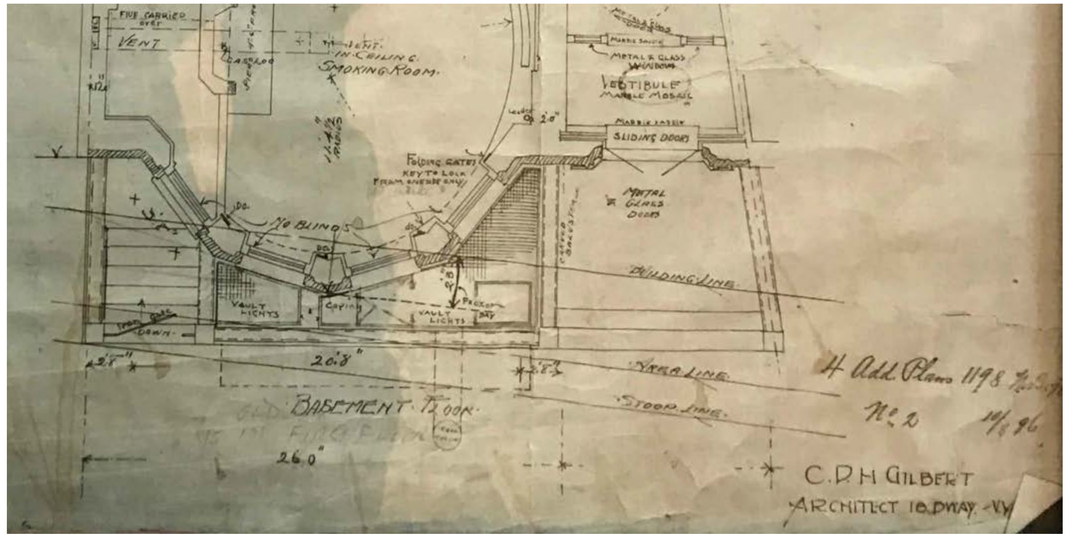
A-214.00
SHEET 27 OF 39

4 LINE OF HISTORIC AREAWAY WALL
SCALE: N.T.S.

2 LINE OF HISTORIC AREAWAY WALL
SCALE: N.T.S.



3 HISTORIC PLAN WITH FRONT AREAWAY
SCALE: N.T.S.

The Kleeberg Residence, Historic View, c.1899.
Source: Zeisloft, The New Metropolis.

1 HISTORIC PHOTO SHOWING AREAWAY
SCALE: N.T.S.

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FRONT AREAWAY

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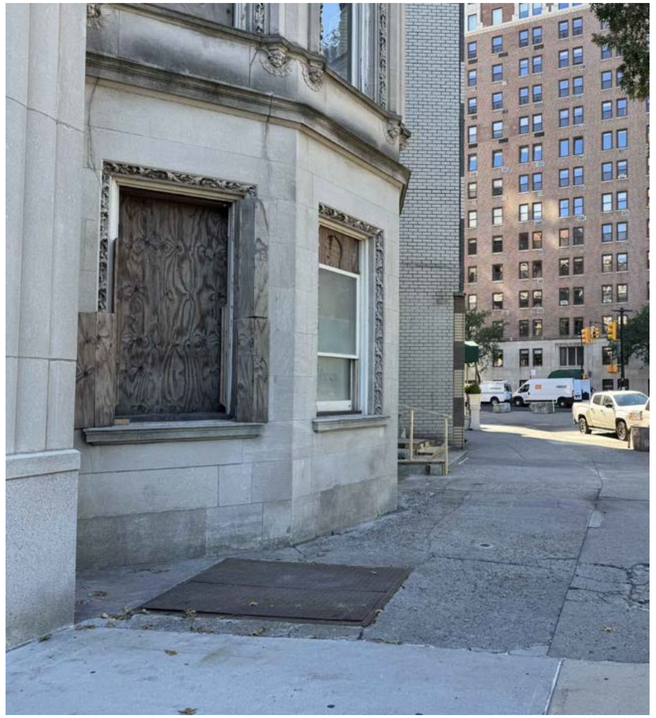
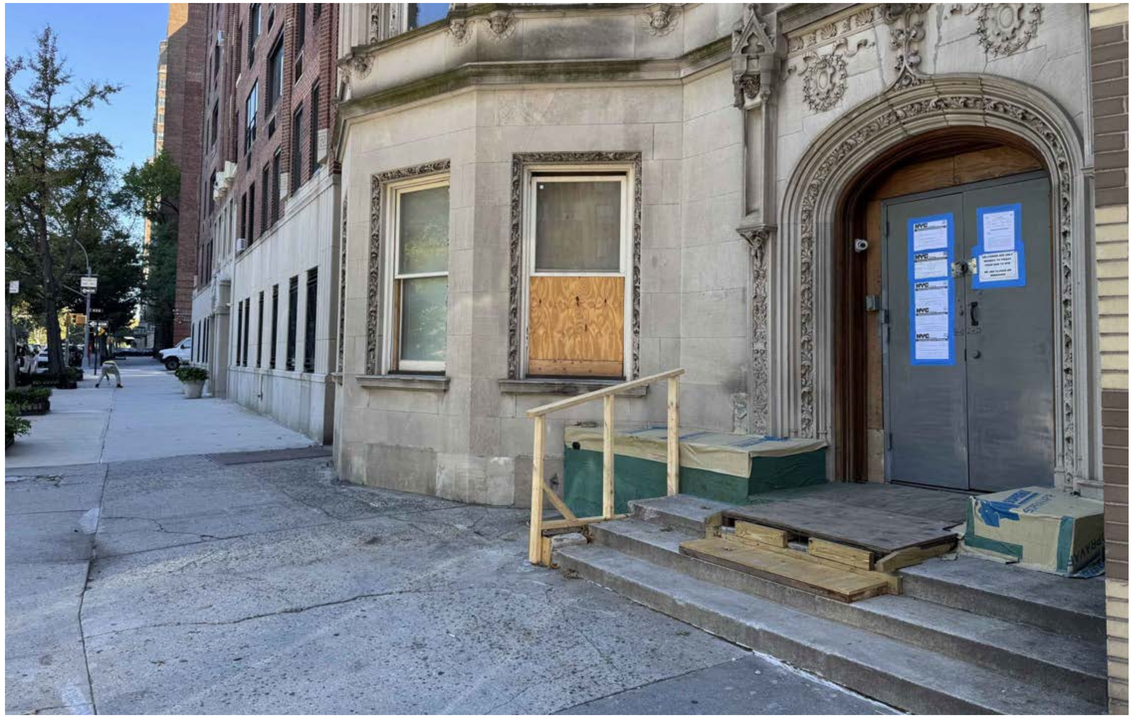
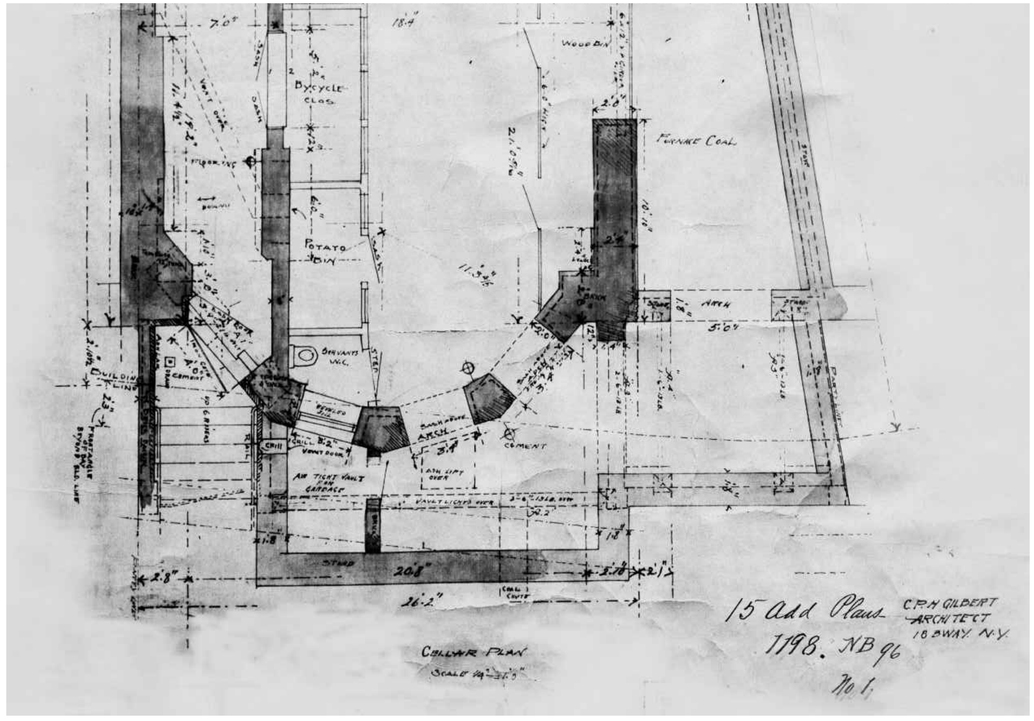


4 EXISTING METAL HATCH TO CELLAR
SCALE: N.T.S.



3 EXISTING AREAWAY, STAIR AND SIDEWALK
SCALE: N.T.S.

2 EXISTING CELLAR STAIR
SCALE: N.T.S.



1 HISTORIC PLAN SHOWING EXISTING CELLAR STAIR AND OPENING IN WALL
SCALE: N.T.S.

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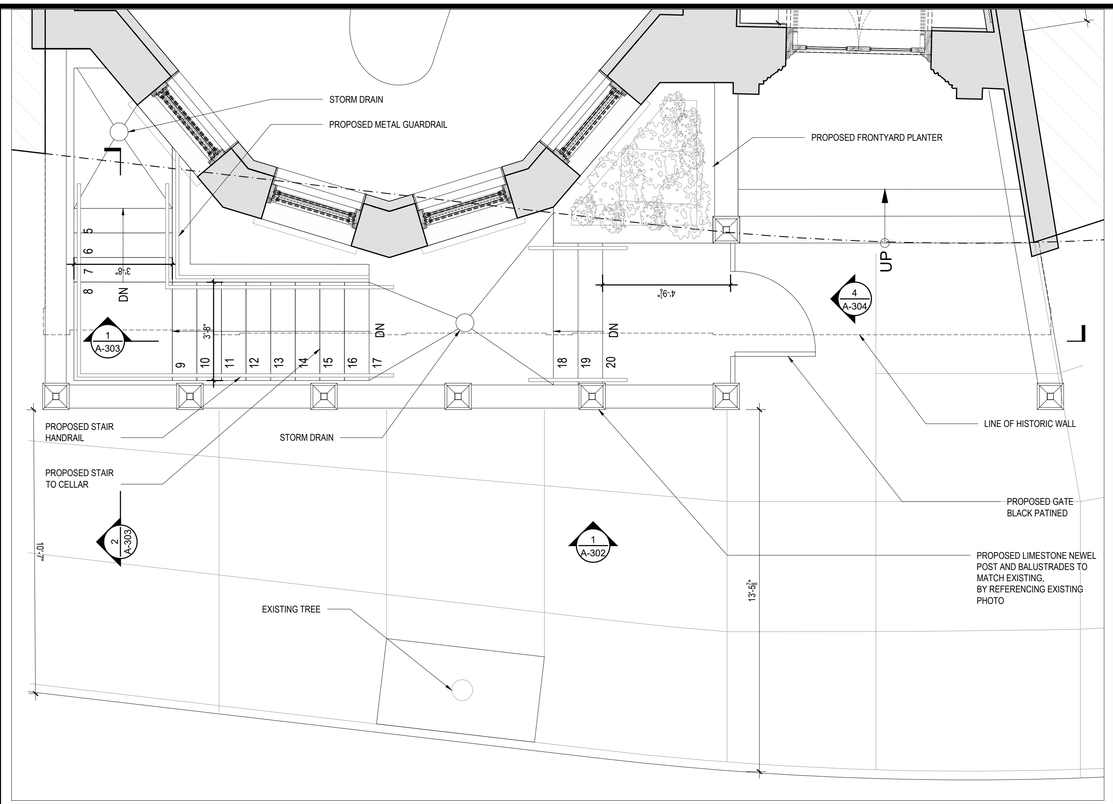
EXISTING CONDITIONS

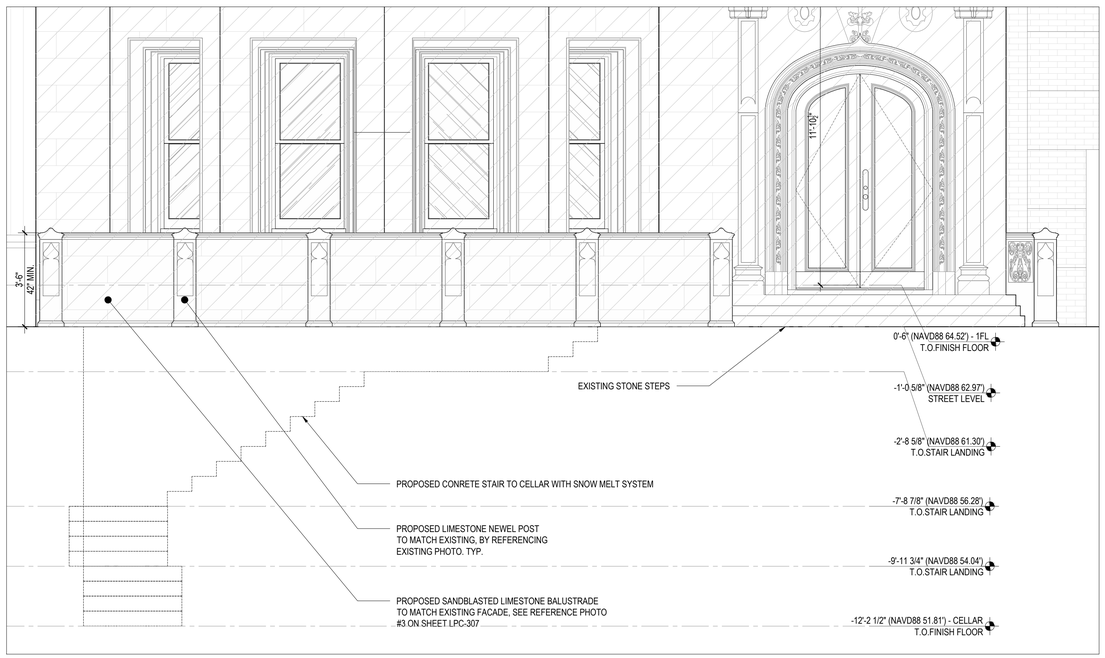
SHEET NO
A-301.00
SHEET 29 OF 39

4 EXISTING AREAWAY PLAN
SCALE: 3/8" = 1'-0"



3 PROPOSED AREAWAY PLAN
SCALE: 3/8" = 1'-0"

2 EXISTING AREAWAY ELEVATION
SCALE: 3/8" = 1'-0"



1 PROPOSED AREAWAY ELEVATION
SCALE: 3/8" = 1'-0"

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	LPC COMMISSION HEARING	03/31/2026

PROPOSED AND EXISTING AREAWAY PLANS & ELEVATIONS

SHEET NO
A-302.00
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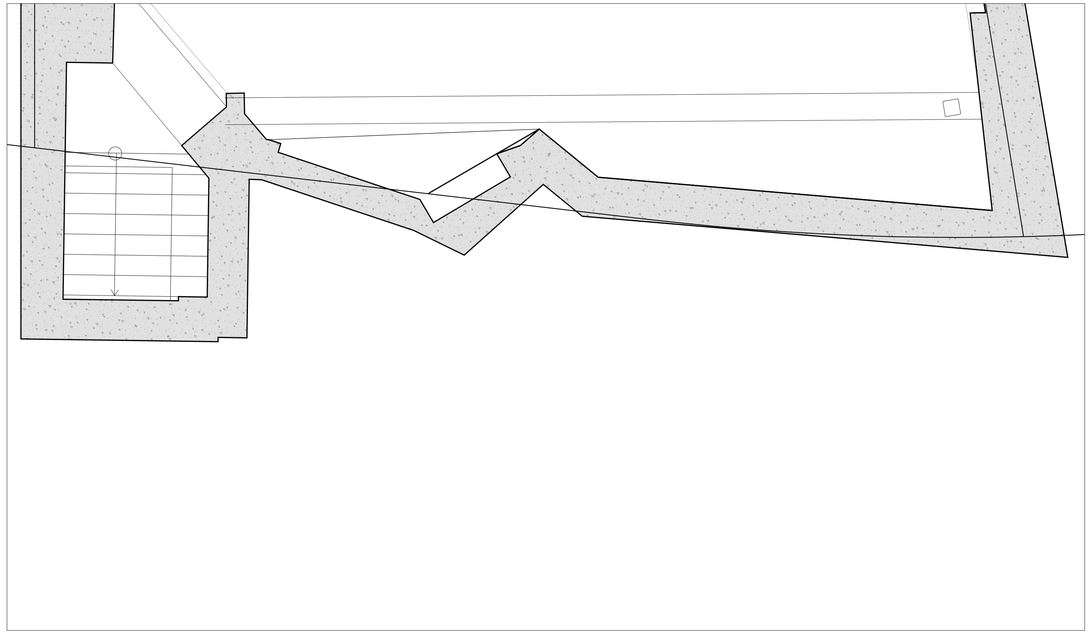
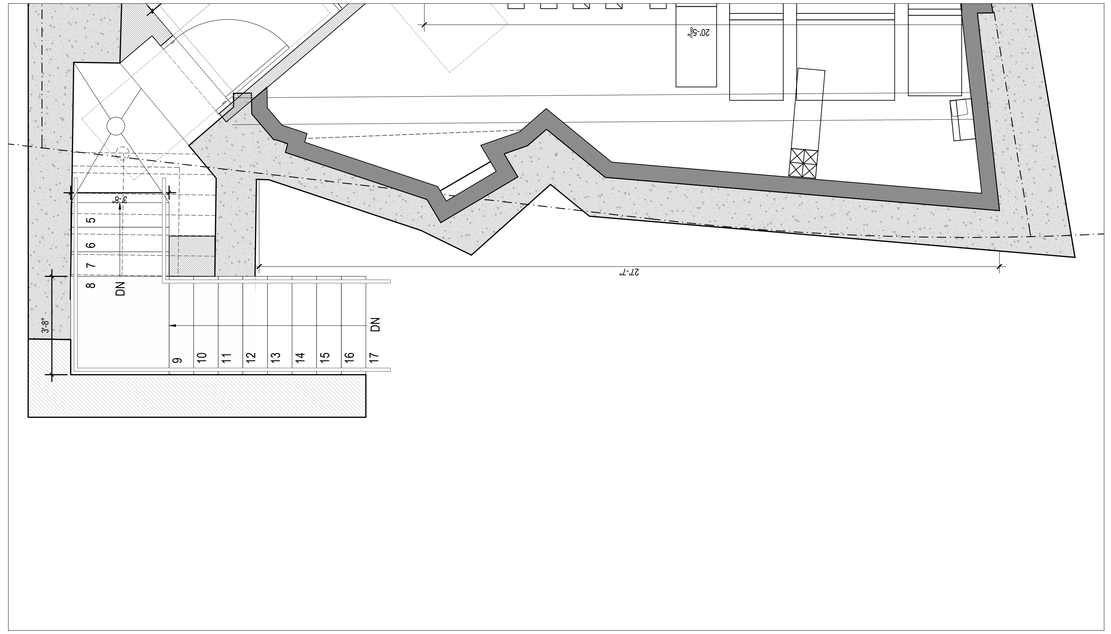
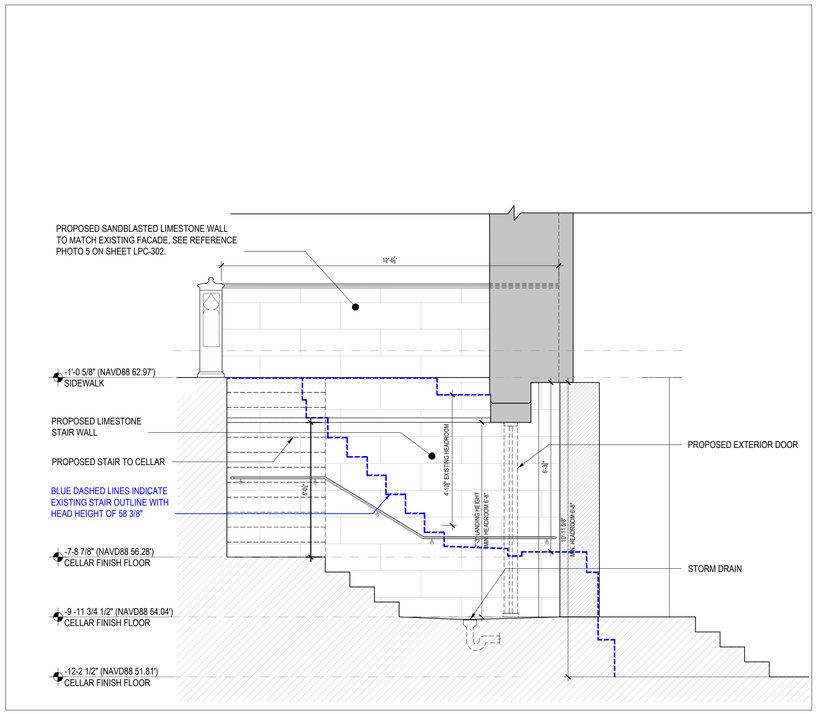


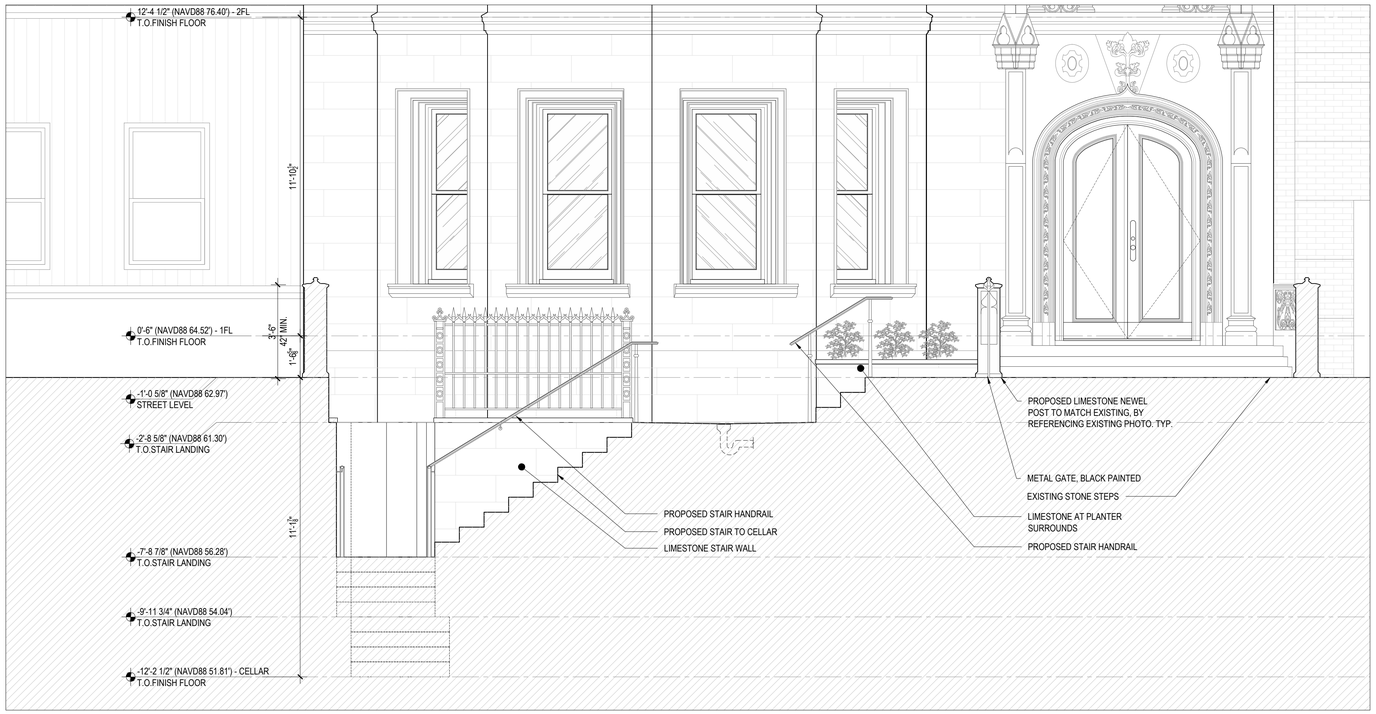
4 EXISTING CELLAR PLAN
SCALE: 3/8" = 1'-0"



3 PROPOSED CELLAR PLAN
SCALE: 3/8" = 1'-0"



2 PROPOSED CELLAR STAIR SECTION
SCALE: 3/8" = 1'-0"



1 PROPOSED CELLAR STAIR SECTION
SCALE: 3/8" = 1'-0"

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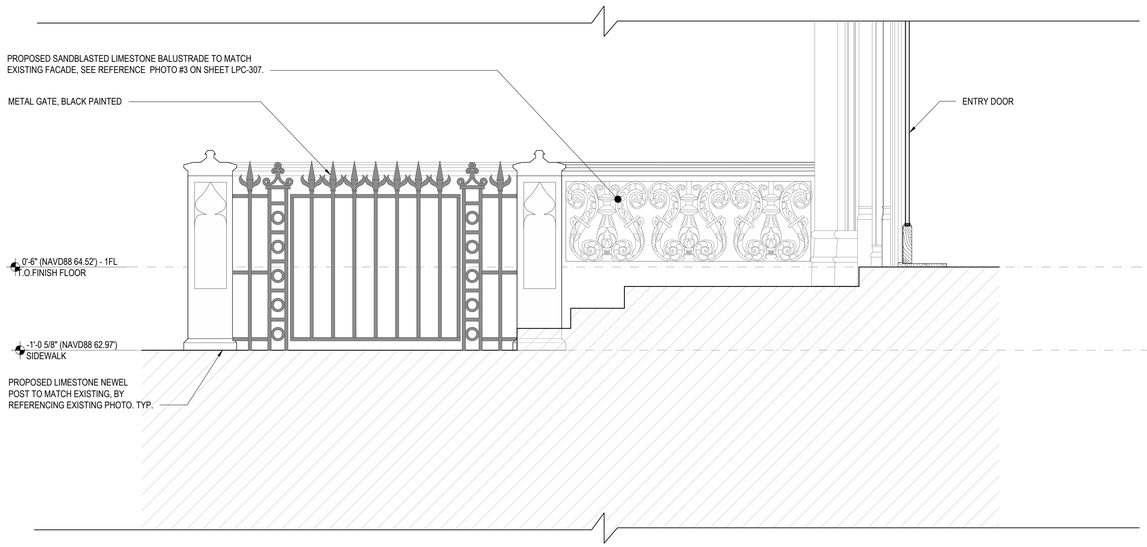
PROPOSED AND EXISTING AREAWAY PLANS & SECTIONS

SHEET NO
A-303.00
SHEET 31 OF 39



4 PROPOSED METAL TO FRONTYARD ELEVATION
SCALE: 3/4" = 1'-0"

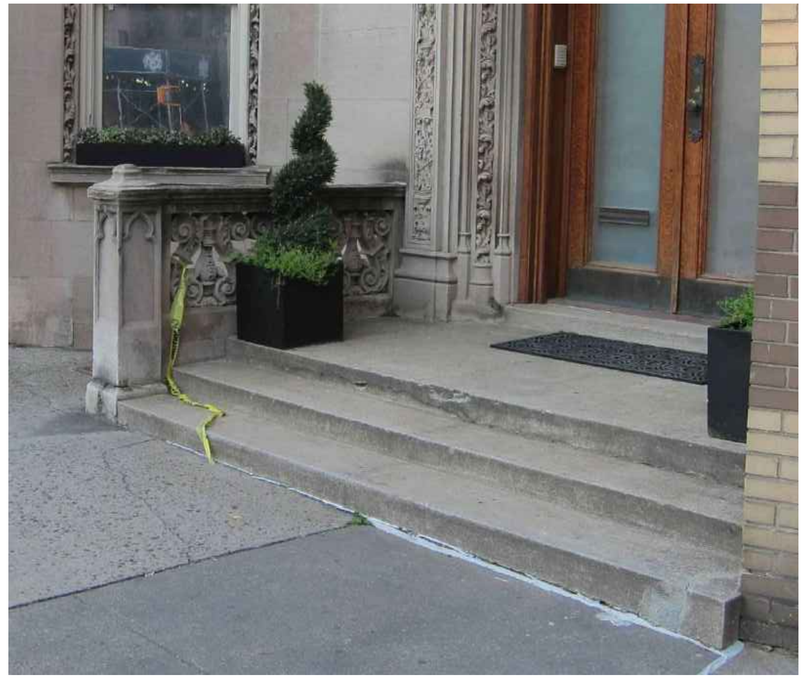
3 EXISTING SANDBLASTED AND COMBED LIMESTONE FINISH ON EXISTING FACADE
SCALE: N.T.S.

NOTE:

PHOTO 1 & 2 ARE THE EXISTING STONE NEWEL POST AND ORNATE BALUSTRADES, TAKEN APPROXIMATELY IN 2017 FROM A PREVIOUS LPC APPLICATION, PROVIDED FOR REPLICATION REFERENCE.

THE ORIGINAL STONE NEWEL POST AND BALUSTRADES ARE NO LONGER EXIST FOLLOWING THE NEW OWNER'S PROCESSION OF THE PROPERTY IN 2024.

2 DEMOLISHED STONE NEWEL POST AND ORNATE BALUSTRADES
SCALE: 3/8" = 1'-0"



1 DEMOLISHED STONE NEWEL POST AND ORNATE BALUSTRADES
SCALE: 3/8" = 1'-0"

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PROPOSED GATE TO THE FRONTYARD

SHEET NO
A-304.00
SHEET 32 OF 39

4 NEIGHBOURHOOD PHOTO LOCATIONS OF RECEDENTS
SCALE: N.T.S.

FENCE AND FRONT YARD PROTRUDING ON SIDEWALK

3 23 RIVERSIDE DRIVE
SCALE: N.T.S.

5 311 W. 72ND ST.
SCALE: N.T.S.

FENCE AND FRONT YARD PROTRUDING ON SIDEWALK

FENCE AND FRONT YARD PROTRUDING ON SIDEWALK

FENCE AND FRONT YARD PROTRUDING ON SIDEWALK

2 25 RIVERSIDE DRIVE
SCALE: N.T.S.

FENCE AND FRONT YARD PROTRUDING ON SIDEWALK

1 25 RIVERSIDE DRIVE
SCALE: N.T.S.

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PRECEDENTS WITH FENCES PROTRUDING ON SIDEWALK

SHEET NO
A-305.00
SHEET 33 OF 39

3 NEIGHBOURHOOD PHOTO LOCATIONS OF PRECEDENTS
SCALE: N.T.S.

FENCE AND FRONT YARD PROTRUDING ON SIDEWALK

2 35 & 36 RIVERSIDE DRIVE
SCALE: N.T.S.

FENCE AND FRONT YARD PROTRUDING ON SIDEWALK

1 41 RIVERSIDE DRIVE
SCALE: N.T.S.

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PRECEDENTS WITH FENCES PROTRUDING ON SIDEWALK

SHEET NO
A-306.00
SHEET 34 OF 39

4 NEIGHBOURHOOD PHOTO LOCATIONS OF PRECEDENTS
SCALE: N.T.S.

STAIRWAY IN FRONTYARD PROTRUDING ON SIDEWALK

3 24 RIVERSIDE DRIVE
SCALE: N.T.S.

STAIRWAY IN FRONTYARD PROTRUDING ON SIDEWALK

2 311 W. 72ND ST.
SCALE: N.T.S.

STAIRWAY PROTRUDING ON SIDEWALK

1 305 W. 72ND ST.
SCALE: N.T.S.

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PRECEDENTS WITH FRONTYARD AND STAIR DOWN TO THE CELLAR

SHEET NO
A-307.00
SHEET 35 OF 39

O'NEIL LANGAN ARCHITECTS

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RENDERED VIEW OF MOCK UP FROM RIVERSIDE DRIVE

SHEET NO

A-308.00

Landmarks Preservation Commission

April 7, 2026
Public Hearing

The current proposal is:

Preservation Department – Item 7, LPC-26-06324

3 Riverside Drive – The Kleeberg Residence – Individual Landmark – West End-Collegiate Historic District Extension Borough of Manhattan

To testify virtually, please join Zoom

Webinar ID: 161 797 4321
Passcode: 987924
By Phone: 646-828-7666 (NY)
833-435-1820 (Toll-free)
833-568-8864 (Toll-free)

Note: If you want to testify virtually on an item, join the Zoom webinar at the agenda's "Be Here by" time (about an hour in advance). When the Chair indicates it's time to testify, "raise your hand" via the Zoom app if you want to speak (*9 on the phone). Those who signed up in advance will be called first.

APPENDIX

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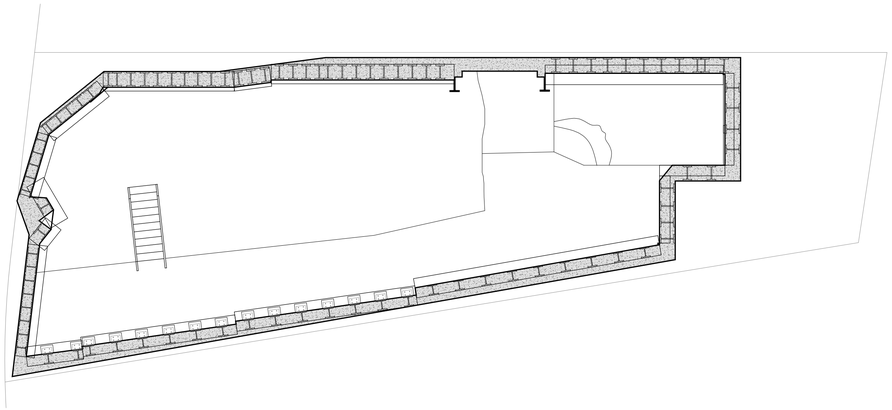
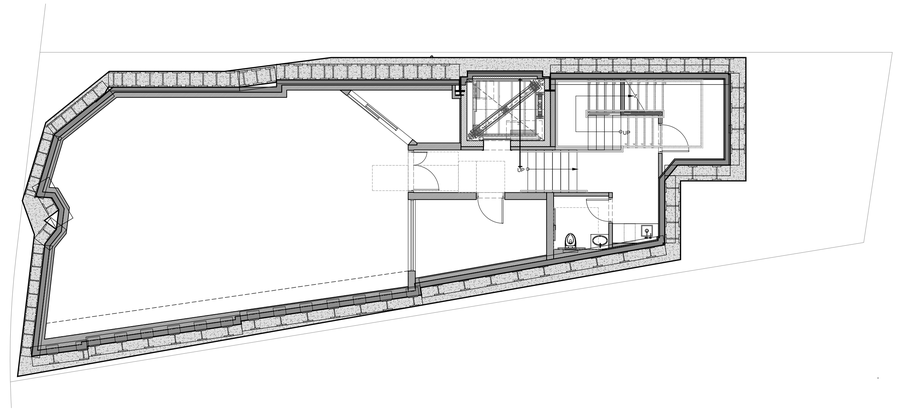
APPENDIX

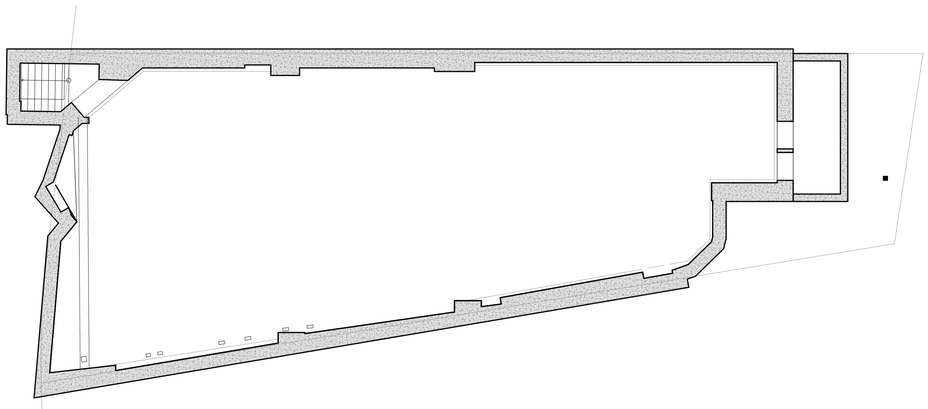
SHEET NO
A-500.00
SHEET 37 OF 39



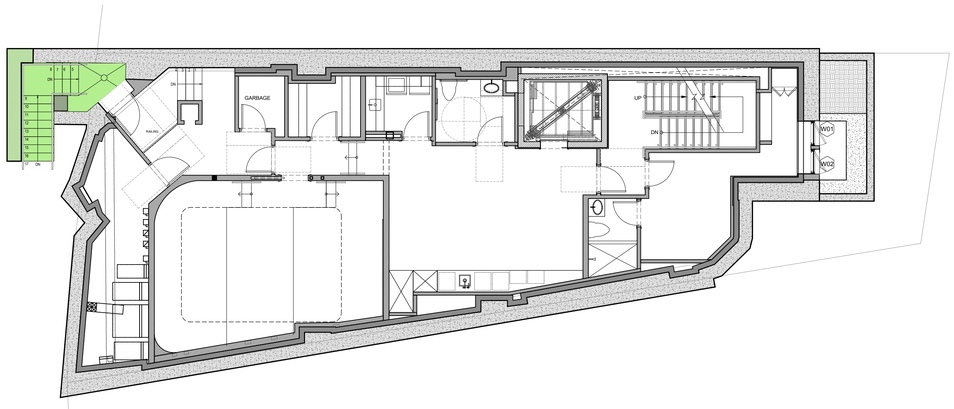
6 EXISTING SUBCELLAR FLOOR PLAN
SCALE: 1/8" = 1'-0"



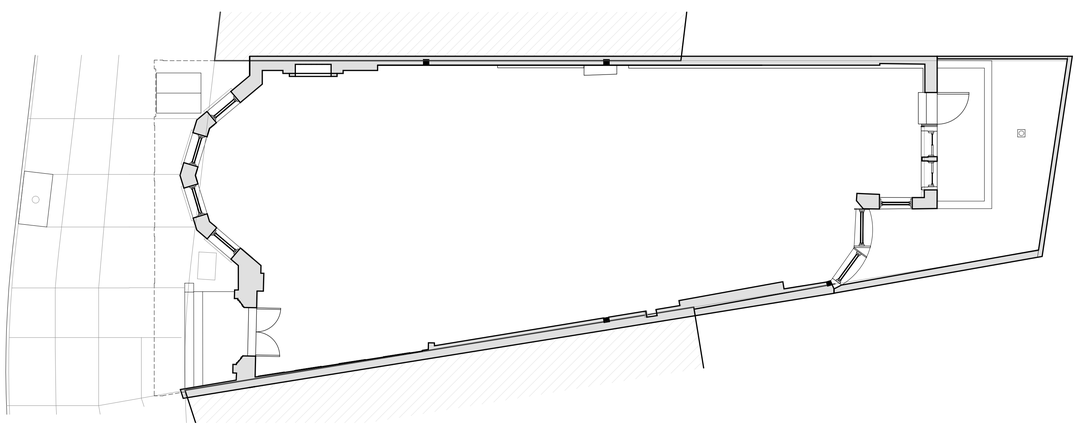
5 PROPOSED SUBCELLAR FLOOR PLAN
SCALE: 1/8" = 1'-0"



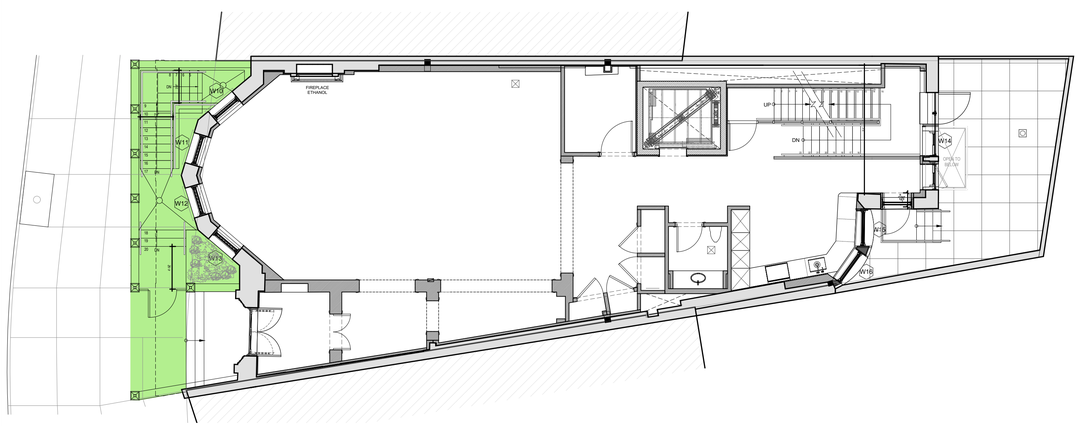
4 EXISTING CELLAR FLOOR PLAN
SCALE: 1/8" = 1'-0"



3 PROPOSED CELLAR FLOOR PLAN
SCALE: 1/8" = 1'-0"



2 EXISTING 1ST FLOOR PLAN
SCALE: 1/8" = 1'-0"



1 PROPOSED 1ST FLOOR PLAN
SCALE: 1/8" = 1'-0"

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EXISTING AND PROPOSED PLANS

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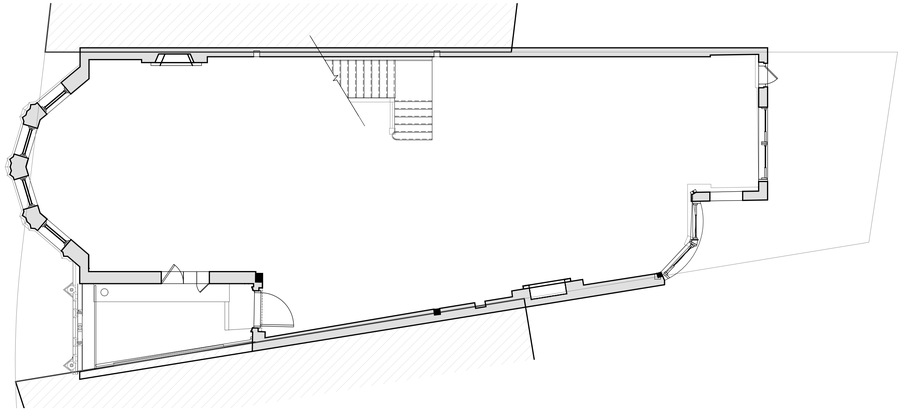
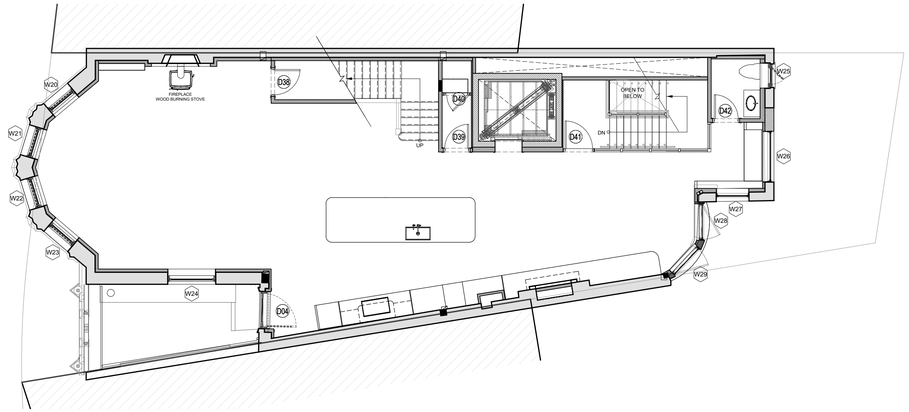
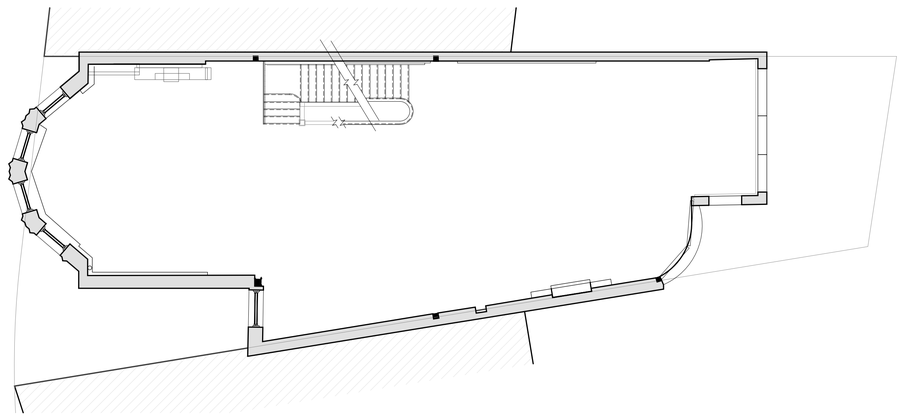


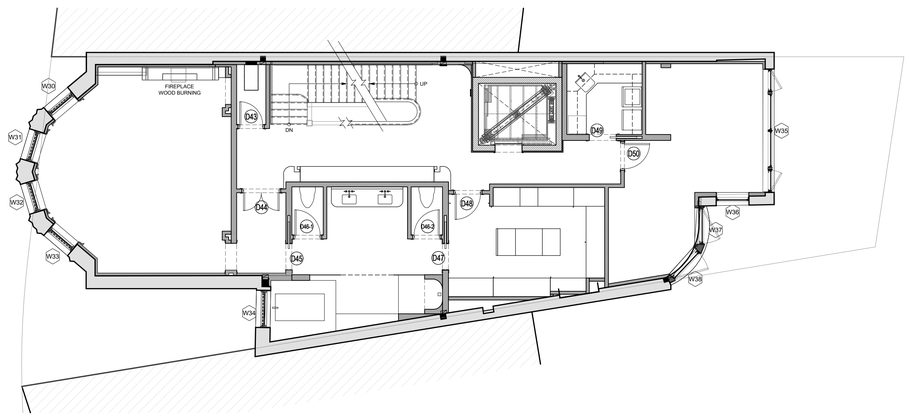
6 EXISTING 2ND FLOOR PLAN
SCALE: 1/8" = 1'-0"



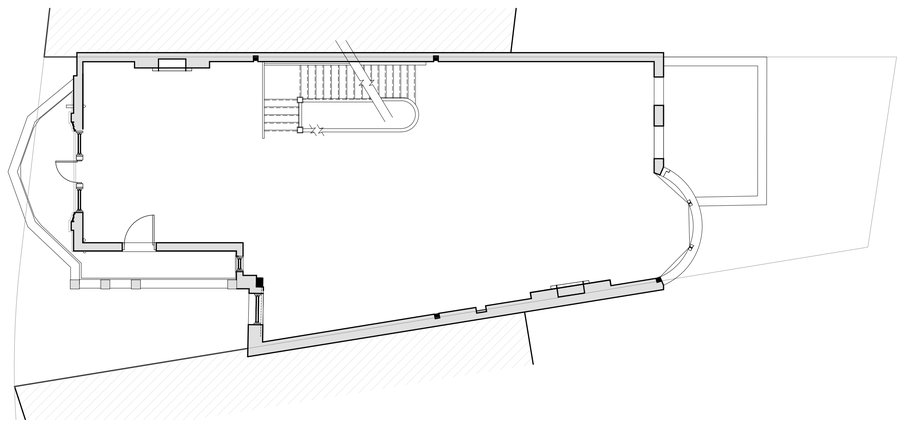
5 PROPOSED 2ND FLOOR PLAN
SCALE: 1/8" = 1'-0"



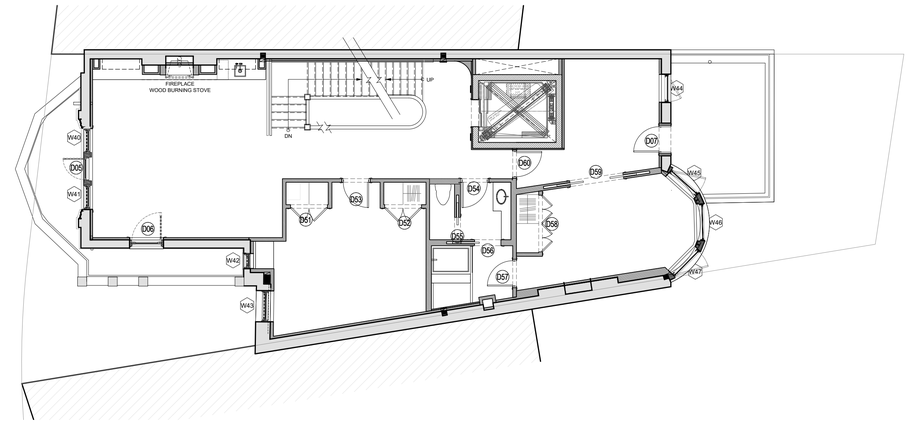
4 EXISTING 3RD FLOOR PLAN
SCALE: 1/8" = 1'-0"



3 PROPOSED 3RD FLOOR PLAN
SCALE: 1/8" = 1'-0"



2 EXISTING 4TH FLOOR PLAN
SCALE: 1/8" = 1'-0"



1 PROPOSED 4TH FLOOR PLAN
SCALE: 1/8" = 1'-0"

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MEP ENGINEER

3 RIVERSIDE DRIVE
NEW YORK, NY 10023

STAMP

REGISTERED ARCHITECT
MARY MARGARET LANGAN
025177
STATE OF NEW YORK

PROJECT NO.:	224112
DATE:	08/26/2024
DRAWN BY:	TT
CHECKED BY:	ML
AREA:	10,964.26 SQ FT

#	ISSUE	DATE
	LPC COMMISSION HEARING	03/31/2026

EXISTING AND PROPOSED PLANS

SHEET NO

A-502.00

SHEET 39 OF 39

HD HYUNDAI ENERGY SOLUTIONS

eng.hd-hyundaies.co.kr

HD HYUNDAI SOLAR MODULE

NF(BK) Series

Premium N-Type TOPCon Module

HiN-T430NF(BK) | HiN-T435NF(BK) | HiN-T440NF(BK)

22.53%
22.53% High Efficiency

TOPCon
High-End TOPCon Technology

Higher Bifaciality

Long-Term Reliability

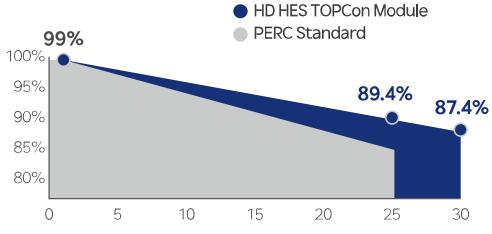
Compatible with Carport Applications

For Residential (Full Black Design)

HD Hyundai's Warranty Provisions

25 YEARS
- 25-Year Product Warranty
  - Materials and workmanship

30 YEARS
- 30-Year Performance Warranty
  - First year degradation: 1%
  - Linear warranty after initial year: with 0.4%p annual degradation, 87.4% is guaranteed up to 30years



*Refer to HD HES standard warranty for details.

Certification

ISO SA kiwa PVEL

- ISO 9001 : Quality management systems
- ISO 14001 : Environmental management systems
- ISO 45001 : Occupational health and safety management systems
- UL 61730: Photovoltaic (PV) module safety qualification (CSA)
- IEC 61701: Salt mist corrosion testing
- IEC 62716: Ammonia corrosion testing
- IEC 62804: Potential Induced Degradation (PID) testing
- IEC 60068-2-68: Sand and dust testing for environmental durability

Electrical Characteristics

HiN-TxxxNF(BK)		HiN-T430NF(BK)		HiN-T435NF(BK)		HiN-T440NF(BK)	
Item	Unit		BNPI		BNPI		BNPI
Nominal output (Pmax)	W	430	476	435	482	440	488
Open circuit voltage (Voc)	V	38.4	38.4	38.6	38.6	38.8	38.8
Short circuit current (Isc)	A	14.25	15.79	14.32	15.87	14.39	15.94
Voltage at Pmax (Vmpp)	V	31.9	31.9	32.1	32.1	32.3	32.3
Current at Pmax (Impp)	A	13.48	14.94	13.56	15.02	13.63	15.10
Module efficiency	%	22.02		22.28		22.53	
Power Class Sorting	W			0 ~ +5			
Temperature coefficient of Pmax	%/K			-0.30			
Temperature coefficient of Voc	%/K			-0.25			
Temperature coefficient of Isc	%/K			0.046			
Bifaciality	%			80%±10%			

*STC : Irradiance 1,000 W/m², cell temperature 25℃, AM=1.5 / Test uncertainty for Pmax ±3%; Voc ±3%; Isc ±3%
**The electrical properties of BNPI are measured under the irradiance corresponding to 1000 W/m² on the module front and 135 W/m² on the module rear.

Additional Power Gain from rear side					
Pmpp gain	Pmpp[W]	Vmpp[V]	Impp[A]	Voc[V]	Isc[A]
5%	458	32.30	14.18	38.80	14.97
15%	493	32.30	15.27	38.80	16.12
25%	528	32.40	16.36	38.90	17.27

*Electrical characteristics with different rear power gain (reference to 440W)

Mechanical Characteristics

Dimensions	1,722mm (L) x 1,134mm (W) x 30mm (H) (67.8in x 44.6in x 1.2in)
Weight	24.5 kg (50.01lbs)
Solar Cells	N-Type TOPCon, 108 (6x18) monocrystalline 16BB half-cut bifacial cells
Output Cables	Cable : (+)1,200mm(47.2in), (-)1,200mm(47.2in) / Customized length available Connector : Stäubli MC4 genuine Connector / Compatible, IP68
Junction Box	3-part, 3 bypass diodes, IP68 rated
Construction	Front : 2.0mm(0.08in) semi-tempered solar glass with high transmittance and anti-reflective coating Rear : 2.0mm(0.08in) semi-tempered solar glass
Frame	Anodized aluminum alloy

Installation Safety Guide

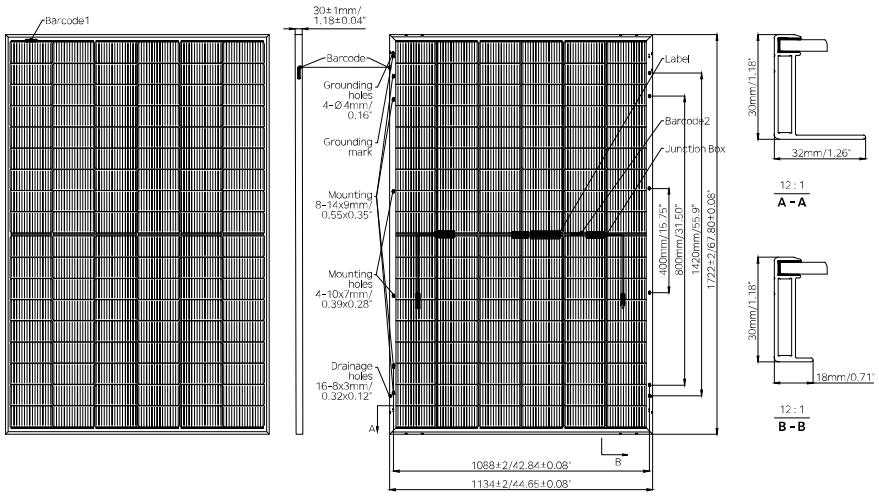
- Only qualified personnel should install or perform maintenance.
- Be aware of dangerous high DC voltage.
- Do not handle or install modules when they are wet.

Nominal Module Operation Temperature	44℃ ± 2℃
Operating Temperature	-40℃~+85℃
Maximum System Voltage	DC 1,500 V
Maximum Reverse Current	30A
Maximum Test Load *See Installation Manual	Front 5,400Pa *Rear 5,400Pa
Fire Performance	Type 29

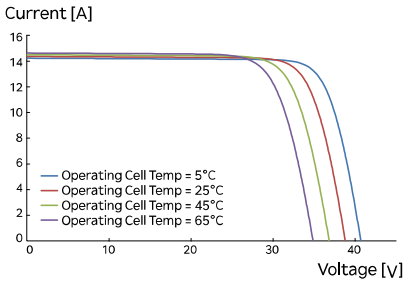
Shipping Configurations

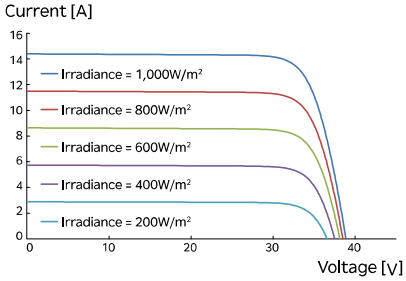
Packing Direction	Vertical	Packing pallet weight (kg)	912
Container Size (HC)	40'	Modules Per Pallet (pcs)	36
Pallets Per Container	26	Modules Per Container (pcs)	936

Module Diagram (unit : mm)



I-V Curves (HiN-T440NF(BK))

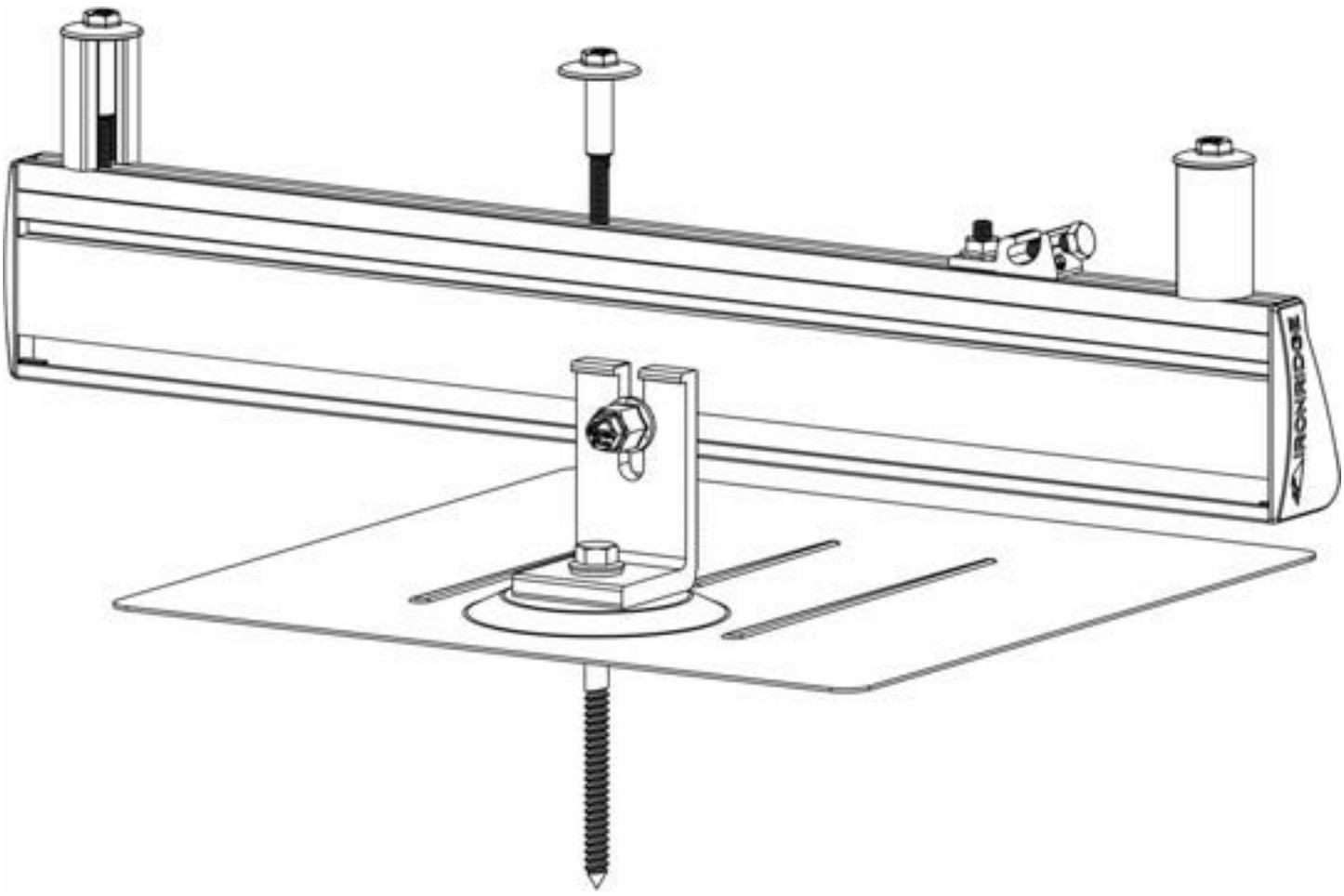




Sales & Marketing
hes.sales@hd.com

HD HYUNDAI ENERGY SOLUTIONS

FLUSH MOUNT



INSTALLATION MANUAL

IRONRIDGE

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DISCLAIMER

This manual describes the proper installation procedures and provides minimum standards required for product reliability and warranty. Thoroughly understanding this manual is imperative to proper installation; failure to follow the guidelines set forth can result in property damage, bodily injury, or even death.

IT IS THE INSTALLER'S RESPONSIBILITY TO:

- Ensure that the installation is completed by a licensed solar professional. All electrical installation and procedures should be conducted by a licensed and bonded electrician or solar contractor. Routine maintenance of a module or panel shall not involve breaking or disturbing the bonding path of the system.
- Comply with all applicable local or national building and fire codes, including any that may supersede this manual.
- Ensure all products are appropriate for the installation, environment, and array under the site's loading conditions.
- Use only IronRidge parts or parts recommended by IronRidge; substituting parts may void any applicable warranty.
- Review the Design Assistant, Engineering Design Guide, and Certification Letters to confirm design specifications.
- Refer to Ironridge's Structural Certification letters for state specific design conditions including allowable rail spans, cantilever length, and splice location requirements.
- Comply with all applicable fire codes including, but not limited to, keeping walkways clear and avoiding obstacles
- Ensure provided information is accurate. Issues resulting from inaccurate information are the installer's responsibility.
- Ensure bare copper grounding wire does not contact aluminum and zinc-plated steel components, to prevent risk of galvanic corrosion.
- If loose components or loose fasteners are found during periodic inspection, re-tighten immediately. If corrosion is found, replace affected components immediately.
- Provide an appropriate method of direct-to-earth grounding according to the latest edition of the National Electrical Code, including NEC 250: Grounding and Bonding, and NEC 690: Solar Photovoltaic Systems.
- Disconnect AC power before servicing or removing microinverters and power optimizers.

RATINGS

UL 2703 LISTED

#5003288

#5003320

#5004376

- Conforms to ANSI/UL 2703 (2015) Standard for Safety First Edition: Mounting Systems, Mounting Devices, Clamping/ Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels

- Max Overcurrent Protective Device (OCPD) Rating: 25A
- Max Module Size: 24ft²
- Module Orientation: Portrait or Landscape
- Mechanical Load Rating: meets minimum requirements of the standard (10 PSF downward, 5 PSF upward, 5 PSF lateral). Actual system structural capacity is defined by PE stamped certification letters.

CLASS A SYSTEM FIRE RATING PER UL 1703

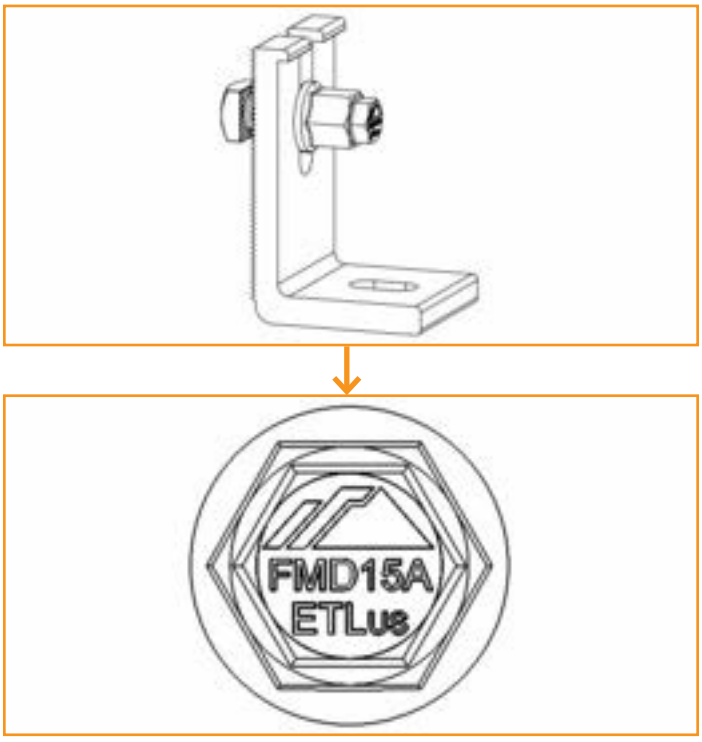
- Any Roof Slope with Module Types 1, 2, and 3
- Any module-to-roof gap is permitted, with no perimeter guarding required. This rating is applicable with any third-party attachment.
- Class A rated PV systems can be installed on Class A, B, and C roofs without affecting the roof fire rating.

STRUCTURAL CERTIFICATION

- Designed and Certified for Compliance with the International Building Code & ASCE/SEI-7

MARKINGS

Product markings are located on the 3/8" flange hex nut.



CHECKLIST

PRE-INSTALLATION

☐ Verify module compatibility. See Page 9 for info.

TOOLS REQUIRED

☐ Cordless Drill (non-impact)

☐ Impact Driver (for lag bolts)

☐ Torque Wrench (0-250 in-lbs)

☐ 5/16” Socket

☐ 7/16” Socket

☐ 1/2" Socket

☐ String Line

TORQUE VALUES

☐ FlashFoot Lag Bolts (1/2" Socket): Fully seat

If using LFT-002SE, use 7/16" Socket

☐ L-Feet Nuts (7/16" Socket): 250 in-lbs

☐ Bonded Splice Screws (5/16" Socket): 20 in-lbs

☐ Grounding Lug Nuts (7/16" Socket): 80 in-lbs

☐ Grounding Lug Terminal Screws (7/16 Socket): 20 in-lbs

☐ Universal Fastening Object (7/16" Socket): 80 in-lbs

☐ Expansion Joint Nuts (7/16" Socket): 80 in-lbs

☐ Flush Standoffs (1/2" Socket): 140 in-lbs

☐ Microinverter Kit Nuts (7/16" Socket): 80 in-lbs

☐ Frameless Module Kit Nuts (7/16" Socket): 80 in-lbs

☐ 3/8" Bonding Hardware Kit Nuts (7/16" Socket): 250 in-lbs

If using previous version of: Integrated Grounding Mid Clamps, Grounding Lug, End Clamps, and Expansion Joints please refer to Alternate Components Addendum version 1.0

IRONRIDGE COMPONENTS

XR Rail

L-Foot

Bonded Splice

UFO

Stopper Sleeve

Grounding Lug

Expansion Joint

FlashFoot™

End Cap

Wire Clip

Flush Standoff

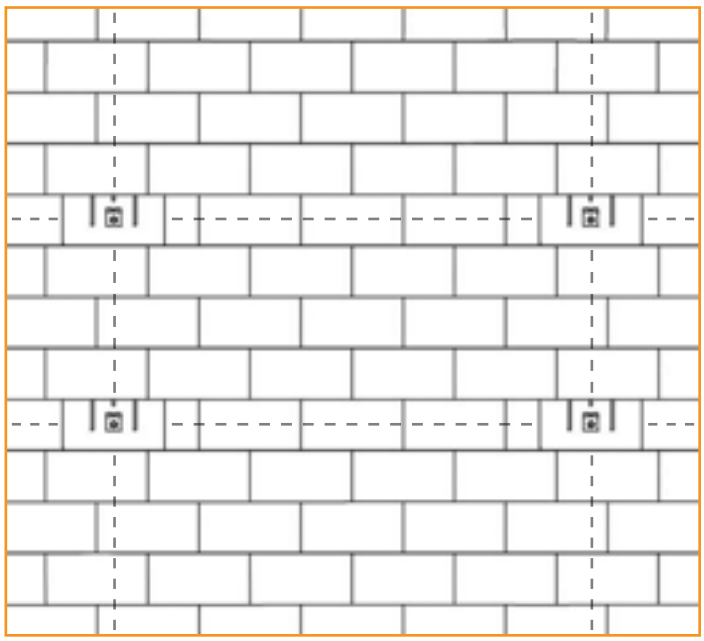
Microinverter Kit

Frameless Module Kit

3/8" Bonding Hardware Kit

1. ATTACH BASES

Install roof attachments. Mount Slotted L-Feet on FlashFoot or other compatible roof attachments per manufacturer's instructions.

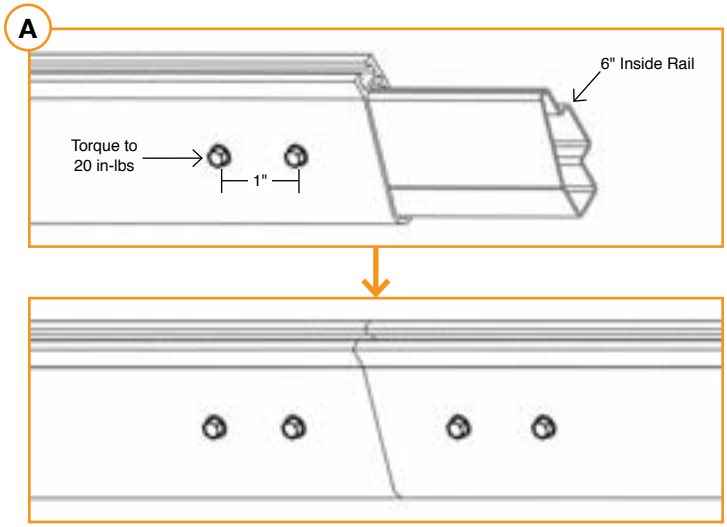


- **IronRidge's all-in-one FlashFoot roof attachment is for pitched, composition shingle roofs. Refer to Page 7 or provided manual.**
- **Tested or evaluated third-party roof attachments:**
  - **Anchor Products - U-Anchor**
  - **S-5! Standing Seam Metal Roof Clamps - Certification of metal roof clamps includes bonding to both painted and galvalume metal roofs. Tighten clamp set screws to 130-150 in-lbs (≥ 24 gauge) or 160-180 in-lbs (22 gauge) roofs. Tighten S-5! M10 bolt to 240 in-lbs or S-5! Mini M8 bolt to 156 in-lbs.**
  - **EcoFasten Green Fasten GF-1 Anchors**
  - **QuickMount PV Roof Mounts and Tile Hooks - Tile Hook attaches to XR Rail using 3/8" Bonding Hardware Kit torqued to 250 in-lbs.**
  - **Quickscrews Solar Roof Hooks, Ejot Aluminum Roof Hooks, or Unirac Creotecc Tile Hooks - Attach to XR Rails using either L-Foot Kit or 3/8" Bonding Hardware Kit torqued to 250 in-lbs.**
- **Refer to Page 7 for installing Standoffs**

2. PLACE RAILS

A. CONNECT SPLICES

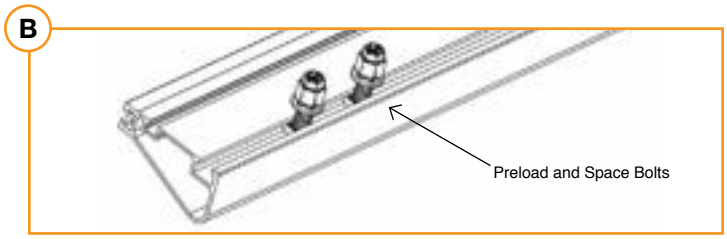
Use Bonded Splices, when needed, to join multiple sections of rail. Insert Bonded Splice 6" into first rail and secure with two self-drilling screws, spacing them approximately 1" apart and tightening to **20 in-lbs**. Slide second rail over Bonded Splice and secure with two more self-drilling screws.



- **Rows exceeding 100 feet of rail must use Expansion Joints.**
- **For XR10 and XR100 rails, insert screws along the provided lines.**
- **Refer to Structural Certification letters for rail splice location requirements.**
- **Screws can be inserted on front or back of rails.**
- **If using Bonding Bolt Rail Splices, refer to addendum (version 1.0).**

B. PREPARE HARDWARE

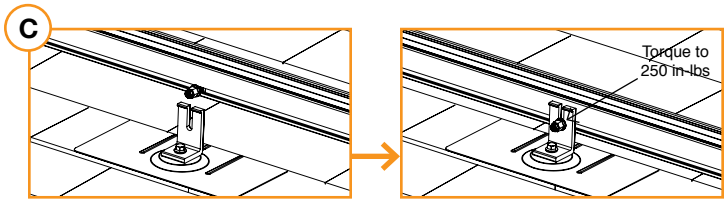
On the ground, slide square-headed 3/8"-16 hardware into side-facing rail slot. Space out bolts to match L-Feet spacing.



- **Tape ends of rail, to keep bolts from sliding out while moving.**

C. ATTACH RAILS

Drop rail with hardware into Slotted L-Feet. Level rail at desired height, then torque to **250 in-lbs**.

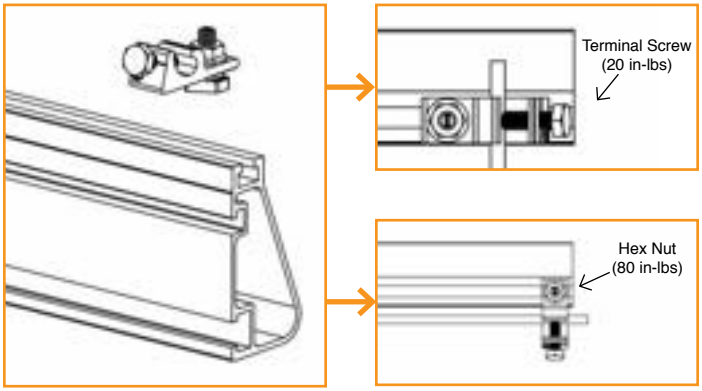


- **Rail and L-Feet can face either upslope or downslope on roof.**

3. SECURE LUGS

Insert T-bolt in top rail slot and torque hex nut to **80 in-lbs**. Install a minimum 10 AWG solid copper or stranded grounding wire. Torque terminal screw to **20 in-lbs**.

- **Grounding Lugs are only needed on one rail per row of modules (unless frameless modules are being used, see Page 8).**
- **If using Enphase microinverters, Grounding Lugs may not be needed. See Page 8 for more information.**
- **Grounding Lugs can be installed anywhere along the rail and in either orientation shown.**

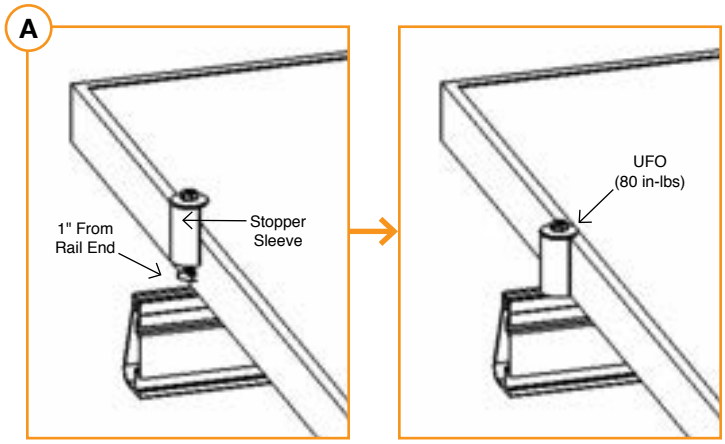


4. SECURE MODULES

A. SECURE FIRST END

Place first module in position on rails, a minimum of 1" from rail ends. Snap Stopper Sleeves onto UFO. Fasten module to rail using the UFO, ensuring that the UFO is hooked over the top of the module. Torque to **80 in-lbs**.

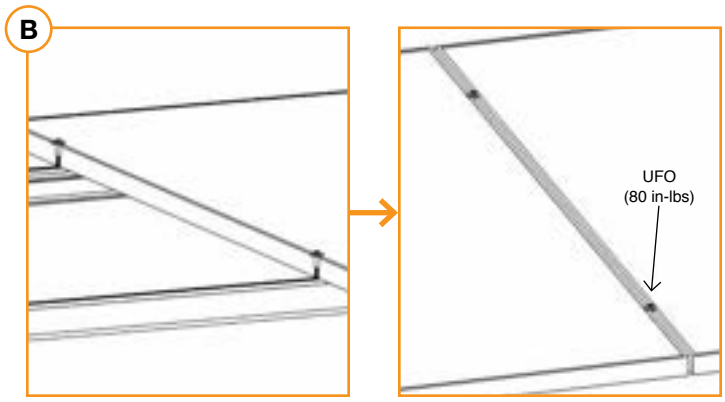
- **Ensure rails are square before placing modules.**
- **Hold Stopper Sleeves on end while torquing to prevent rotation.**



B. SECURE NEXT MODULES

Place UFO into each rail, placing them flush against first module. Slide second module against UFO. Torque to **80 in-lbs**. Repeat for each following module.

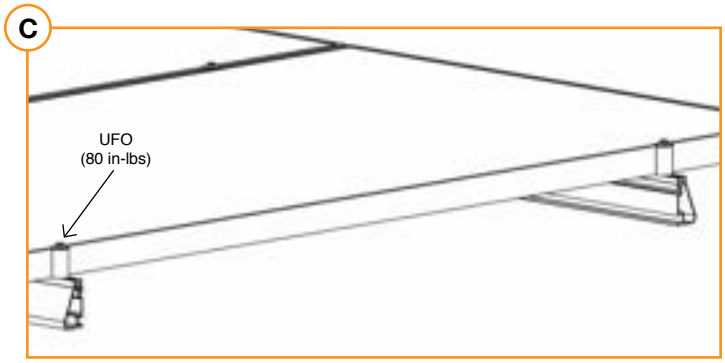
- **When reinstalling UFO, move modules a minimum of 1/16" so UFOs are in contact with a new section of module frame.**
- **If using Wire Clips, refer to Page 7.**



C. SECURE LAST END

Place last module in position on rails, a minimum of 1" from rail ends. Snap Stopper Sleeves onto UFO. Secure UFO Clamps on rails, ensuring they are hooked over top of module. Torque to **80 in-lbs**.

- **Hold Stopper Sleeves on end while torquing to prevent rotation.**
- **Repeat all steps for each following row of modules.**



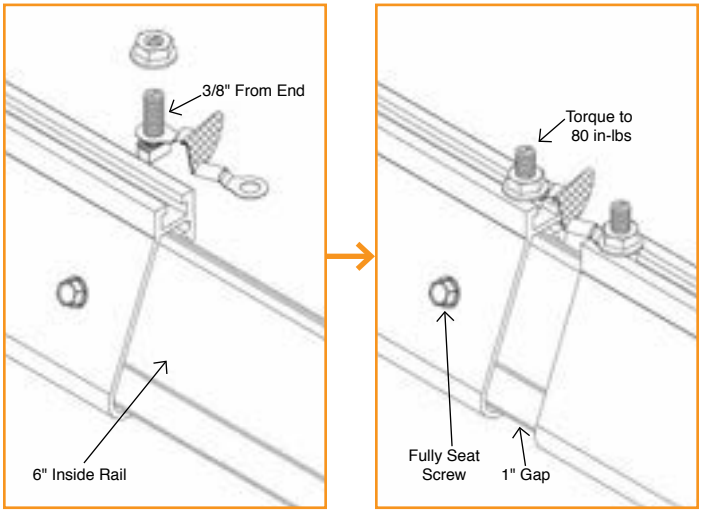
EXPANSION JOINTS

GROUNDING STRAP EXPANSION JOINT

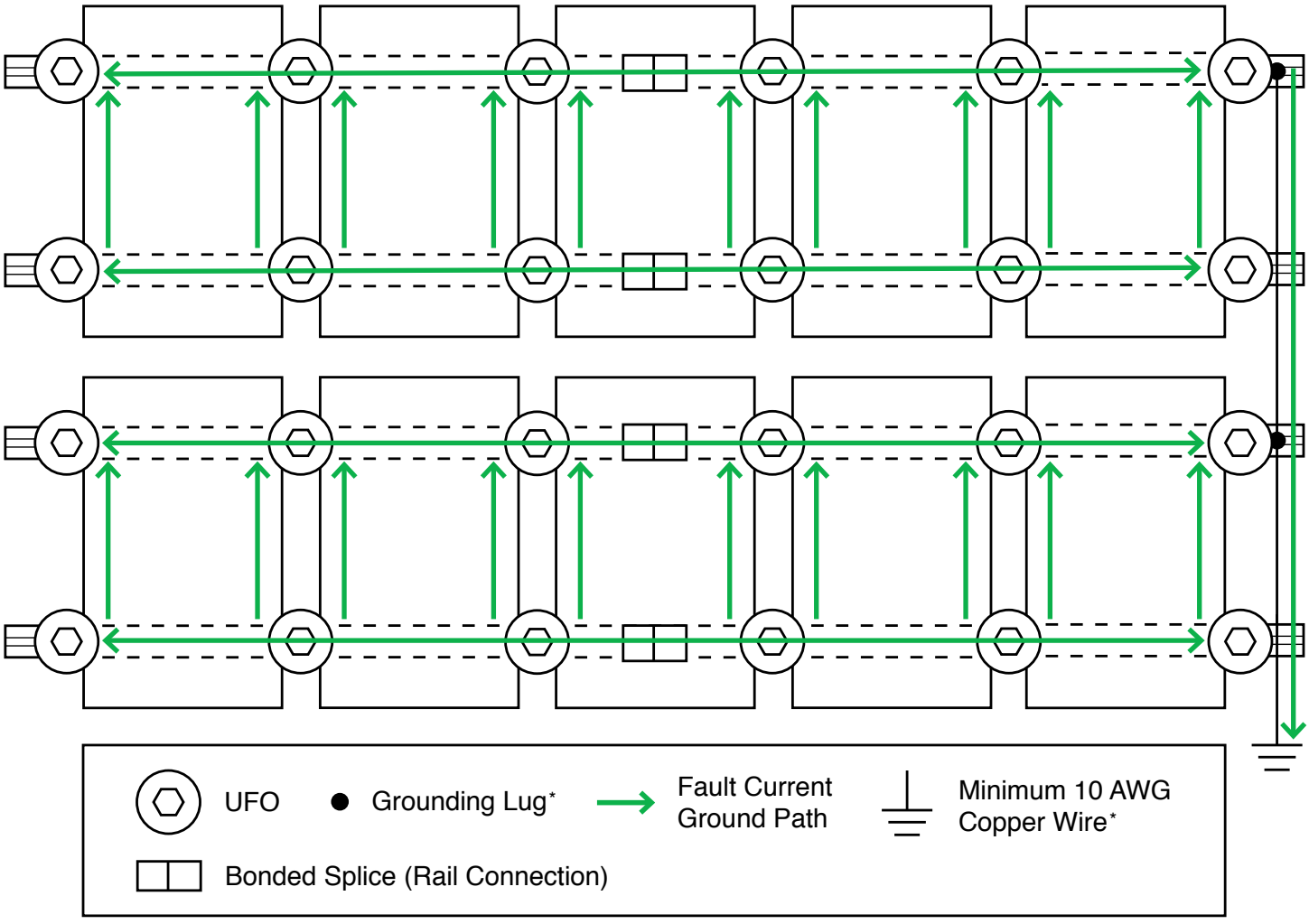
Grounding Strap Expansion Joints are required for thermal expansion of rows exceeding 100 feet of rail.

Insert Internal Splice into first rail and secure with screw. Assemble and secure Grounding Strap 3/8" from rail end. Slide second rail over Internal Splice leaving 1" gap between rails. Attach other end of Grounding Strap with hardware, and torque hex nuts to **80 in-lbs**.

- **Second Bonded Splice screw is <u>not</u> used with Expansion Joints.**
- **Do <u>not</u> install module over top of expansion joint location.**



ELECTRICAL DIAGRAM

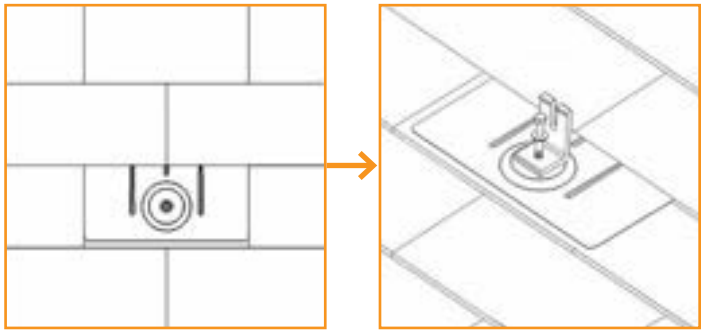


*Grounding Lugs and Wire are not required in systems using Enphase microinverters.

FLASHFOOT

Locate roof rafters and mark locations on roof. Drill 1/4” pilot holes and backfill with approved sealant. Slide flashing between 1st and 2nd course of shingles ensuring flashing doesn't overhang the downhill shingle. Line up pilot hole and insert supplied 5/16 x 4.5" stainless steel lag bolt through washer, L-Foot, and flashing. Fully seat lag bolt.

L-Foot can face either upslope or downslope on roof.

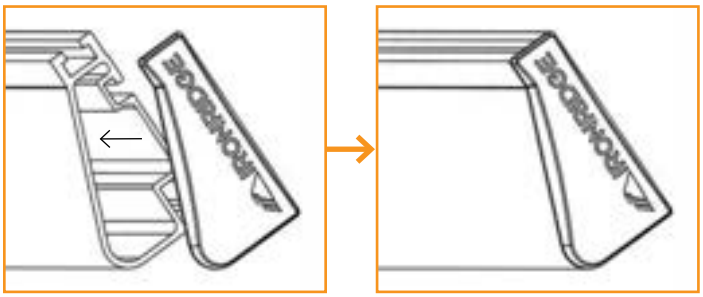


END CAPS

End Caps add a completed look and keep debris and pests from collecting inside rail.

Firmly press End Cap onto rail end.

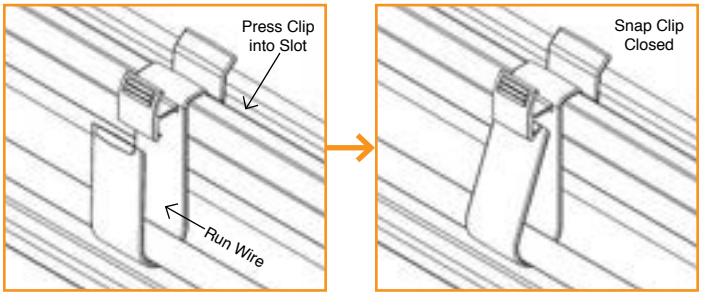
End Caps come in sets of left and right. Check that the proper amount of each has been provided.



WIRE CLIPS

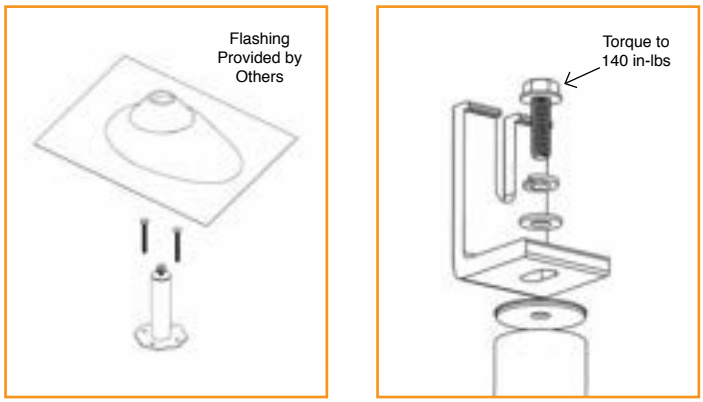
Wire Clips offer a simple wire management solution.

Firmly press Wire Clip into top rail slot. Run electrical wire through open clip. Snap closed once all wires have been placed.



FLUSH STANDOFFS

Attach Standoffs to roof locations with lag bolts (not included). Place flashing over Standoff. Attach L-Foot on Standoff washer with hardware. Torque to **140 in-lbs**.



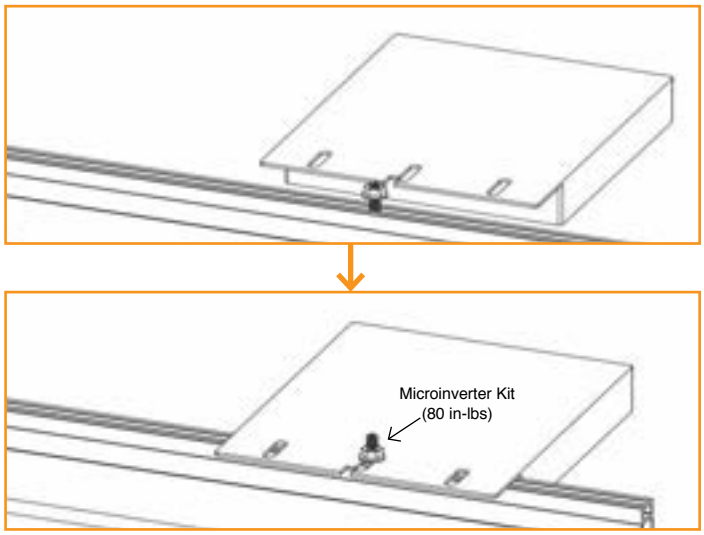
MICROINVERTER KITS

Use IronRidge's Microinverter Kit to bond compatible microinverters and power optimizers to the racking system.

Insert Microinverter Kit T-bolt into top rail slot. Place compatible microinverter or power optimizer into position and tighten hex nut to **80 in-lbs**.

COMPATIBLE PRODUCTS

Enphase - M250-72, M250-60, M215-60, and C250-72
Darfon - MIG240, MIG300, G320, G640
Solar Edge - P300, P320, P400, P405, P600, P700, P730



SYSTEMS USING ENPHASE MICROINVERTERS

IronRidge systems using approved Enphase products eliminate the need for lay-in lugs and field installed equipment grounding conductors (EGC). This solution meets the requirements of UL 2703 for bonding and grounding and is included in this listing.

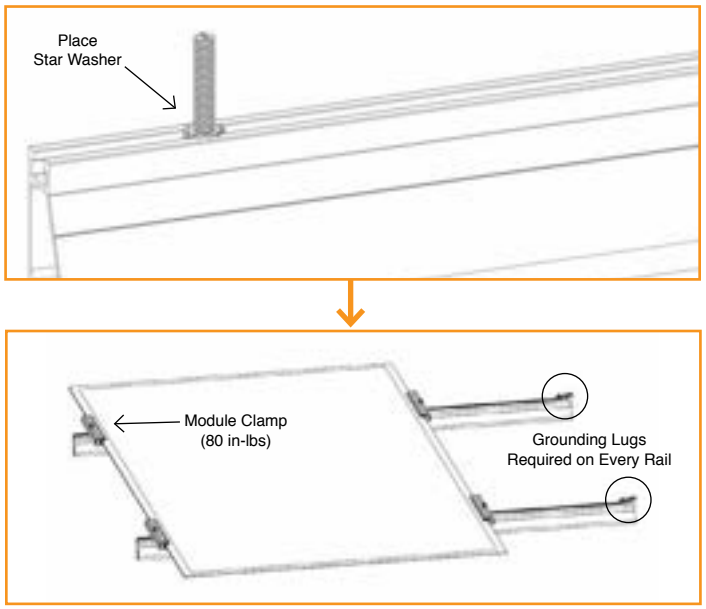
The following Enphase products are included in this listing: Microinverters M250-72, M250-60, M215-60, C250-72, and Engage cables ETXX-240, ETXX-208, ETXX-277.

- **A minimum of two inverters mounted to the same rail and connected to the same Engage cable are required.**
- **The microinverters must be used with a maximum 20 A branch rated overcurrent protection device (OCPD).**

FRAMELESS MODULE KITS

Insert Frameless Kit T-bolt in top rail slot. Place star washer over T-bolt, allowing it to rest on top of rail. Secure module clamps with a hex nut and torque to **80 in-lbs**.

- **Tested or evaluated third-party module clamps:**
  - **Sunforson silver or black SFS-UTMC-200(B) mid and SFS-UTEC-200(B) end clamps.**
  - **Sunpreme silver or black mid and end clamps with part numbers 7500105X where X can be 1,5,6 or 7**
- **Follow module manufacturer's installation instructions to install the module clamps.**
- **Frameless modules require using a Grounding Lug on every rail.**



MODULE COMPATIBILITY

The Flush Mount System may be used to ground and/or mount a PV module complying with UL 1703 only when the specific module has been evaluated for grounding and/or mounting in compliance with the included instructions. Unless otherwise noted, “xxx” refers to the module power rating and both black and silver frames are included in the certification.

MANUFACTURER	MODELS
Astronergey Solar	Modules with 35, 40, and 45mm frames and model identifier aaSM66yyPzz-xxx; where “aa” can be CH or A; “yy” can be either 10 or 12; “zz” can be blank or (BL). Unframed modules with model identifier CHSM6610P(DG)-xxx.
Canadian Solar	Modules with 40mm frames and model identififer CS6Y-xxxZ; where "Y" can be K, P, V, or X; and ""Z"" can be M, P, PX, or P-SD. Uframed modules with model identifier CS6Y-xxxP-FG; where ""Y"" is K or X.
ET Solar	Modules with 35, 40, and 50mm frames and model identifier ET-Y6ZZxxxAA; where "Y" can be P, L, or M; "ZZ" can be 60 or 72; and "AA" can be WB, WW, BB, WBG, WWG, WBAC, WBCO, WWCO, WWBCO or BBAC.
GigaWatt Solar	Modules with 40mm frames and model identifier GWxxxYY; where “YY” can be either PB or MB.
Hanwha Solar	Modules with 40, 45, and 50mm frames and model identifier HSLaaP6-YY-1-xxxZ; where "aa" can be either 60 or 72; "YY" can be PA or PB; and "Z" can be blank or B.
Hanwha Q CELLS	Modules with 32, 35, 40, and 42mm frames and model identifier Q.YY-ZZ-xxx; where "YY" can be PLUS, PRO, or PEAK; and "ZZ" can be G3, G4, L-G2, L-G3y, L-G4y, BFR-G3, BLK-G3, BFR-G4, BFR-G4.1, or G4.1/SC.
Hyundai	Modules with 35 and 50mm frames and model identifier HiS-YxxxZZ; where "Y" can be M or S; and "ZZ" can be MI, MF, MG, SG, RI, RG, TI, or TG.
JA Solar	Modules with 40 and 45mm frames and model identifier JAyyzz-bb-xxx/aa; where “yy” can be M6 or P6; “zz” can be blank, (K), (L), (R), (V), (BK), (FA), (TG), (FA)(R), (L)(BK), (L)(TG), (R)(BK), (R)(TG), (V)(BK), (BK)(TG), or (L)(BK)(TG); “bb” can be 48, 60, or 72; and “aa” can be MP, SI, PR, 3BB, 4BB, 4BB/RE.
Jinko	Modules with 35 and 40mm frames and model identifier JKMYxxxZZ; where "Y" can either be blank or S; and "ZZ" can be M, P, PP, P-B, or P-V. Unframed modules with model identifier JKMxxxPP-DV.
Kyocera	Modules with 46mm frames and model identifier KYxxxZZ-AA; where "Y" can be D or U; "ZZ" can be blank, GX, or SX; and "AA" can be LPU, LFU, UPU, LPS, LPB, ,LFB, LFBS, LFB2, LPB2, 3AC, 3BC, 3FC, 4AC, 4BC, 4FC, 4UC, 5AC, 5BC, 5FC, 5UC, 6BC, 6FC, or 8BC.
LG	Modules with 35, 40, and 46mm frames and model identifier LGxxxy1z-bb; where "y" can be A, N, or S; "z" can be C or K; and "bb" can be A3, B3, G3, C4 or K4.
Mistubishi	Modules with 46mm frames and model identifier PV-MYYxxxZZ; where "YY" can be LE or JE; and "ZZ" can be either HD, HD2, or FB.
Motech	IM and XS series modules with 40, 45, and 50mm frames.
Panasonic	Modules with 35mm frames and model identifier VBHNxxxSAyy; where "yy" can be either 06, 06B, 11, 11B, 15, 15B, 16 or 16B.
Phono Solar	Modules with 35, 40, and 45mm frames and model identifier PSxxxY-ZZ/A; where "Y" can be M or P; "ZZ" can be 20 or 24; and "A" can be F, T or U.
Prism Solar	Unframed modules with model identifier BiYY-xxxBSTC; where "YY" can be 48 or 60.
REC Solar	Modules with 38 and 45mm frames and model identifier RECxxxYYZZ; where “YY” can be M, PE or TP; and “ZZ” can be blank, BLK, SLV, or 72.
Renesola	Modules with 35, 40 and 50mm frames and model identifier JCxxxY-ZZ; where "Y" can be F, M or S; and "ZZ" can be Ab, Ab-b, Abh, Abh-b, Abv, Abv-b, Bb, Bb-b, Bbh, Bbh-b, Bbv, Bbv-b, Db, or Db-b.
SolarWorld	Sunmodule Plus, Protect or XL mono or poly modules with 31, 33 or 46mm frames and model identifier SW-xxx.
Stion	Thin film modules with 35mm frames and model identifier STO-xxx. Thin film unframed modules with model identifier STL-xxx.
SunEdison	Modules with 35, 40, and 50mm frames and model identifier SE-YxxxZABCDE; where "Y" can be B, F, H, P, R, or Z; "Z" can be 0 or 4; "A" can be B, C, D, E, H, I, J, K, L, M, or N; "B" can be B or W; "C" can be A or C; "D" can be 3, 7, 8, or 9; and "E" can be 0, 1 or 2.
Suniva	Modules with 35, 38, 40, 46, and 50mm frames and model identifiers OPTxxx-AA-B-YYY-Z or MVXxxx-AA-B-YYY-Z; where "AA" is either 60 or 72; "B" is either 4 or 5; "YYY" is either 100,101,700,1B0, or 1B1; and "Z" is blank or B.
Sunpower	SPR-A-xx series with standard (G3) or InvisiMount (G5) 46mm frames; where "A" is either E or X; and "xx" is the series number.
Sunpreme	Unframed modules with model identifier GXB-xxxYY; where "YY" can be blank or SL.
Suntech	Vd, Vem, Wdb, Wde, and Wd series modules with 35, 40, and 50mm frames.
Trina	Modules with 35, 40 and 46mm frames and model identifier TSM-xxxYYZZ; where "YY" can be PA05, PC05, PD05, PA14, PC14, or PD14; and "ZZ" can be blank or A or A.05 or A.08. Unframed modules with model identifier TSM-xxxYY; and "YY" can be either PDG5 or PEG14.
Winaico	Modules with 35 and 40mm frames and model identifier Wsy-xxxz6; where "y" can be either P or T; and ""z"" can be either M or P.
Yingli	Panda, YGE, and YGE-U series modules with 35, 40, and 50 mm frames.

WARRANTY

Effective for Products manufactured after April 1st, 2012, IronRidge provides the following warranties, for Products installed properly and used for the purpose for which the Products are designed:

(a) Products with finishes (ie excluding without limitation Products that are mill finished) shall be free of visible defects, peeling, or cracking, under normal atmospheric conditions, for a period of three years from the earlier of (i) the date of complete installation of the Product or (ii) 30 days after the original purchaser's date of purchase of the Product ("Finish Warranty"); (b) components shall be free of structurally-related defects in materials for a period of ten years from the earlier of (i) the date of complete installation of the Product or (ii) 30 days after the original purchaser's date of purchase of the Product; and (c) components shall be free of functionally-related manufacturing defects for a period of 20 years from date of manufacture.

The Finish Warranty does not apply to: (d) surface oxidation of the galvanized steel components or any foreign residue deposited on Product finish; and (e) Products installed in corrosive atmospheric conditions, as defined solely by IronRidge; corrosive atmospheric conditions include, but are not limited to, conditions where Product is exposed to corrosive chemicals, fumes, cement dust, salt water marine environments or to continual spraying of either salt or fresh water.

The Finish Warranty is VOID if (f) the practices specified by AAMA 609 & 610-02 – "Cleaning and Maintenance for Architecturally Finished Aluminum" (www.aamanet.org) are not followed by Purchaser for IronRidge's aluminum based components; and (g) if the practices specified by ASTM A780 / A780M - 09 "Standard Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings" are not followed by Purchaser for IronRidge's galvanized steel-based components.

The warranties above do not cover any parts or materials not manufactured by IronRidge, and exclude non-functionally-related defects, as defined solely by IronRidge. The warranties do not cover any defect that has not been reported to IronRidge in writing within 20 days after discovery of such defect.

In the event of breach of or non-compliance with the warranties set forth above, IronRidge's sole obligation and liability, and the sole and exclusive remedy for such breach or non-compliance, shall be correction of defects by repair, replacement, or credit, at IronRidge's sole discretion. Such repair, replacement or credit shall completely satisfy and discharge all of IronRidge's liability with respect to these warranties.

Refurbished Product may be used to repair or replace the defective components. Transportation, installation, labor, or any other costs associated with Product replacement are not covered by these warranties and are not reimbursable. These warranties additionally do not cover (h) normal wear, or damage resulting from misuse, overloading, abuse, improper installation (including failure to follow professional instruction and certification), negligence, or accident, or from force majeure acts including any natural disasters, war or criminal acts; and (i) Products that have been altered, modified or repaired without written authorization from IronRidge or its authorized representative; and (j) Products used in a manner or for a purpose other than that specified by IronRidge. A formal document proving the purchase and the purchase date of the Product is required with any warranty claim.

Except as set forth above, IronRidge sells the Products on an "AS IS" basis, which may not be free of errors or defects, and ALL EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES, INCLUDING ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, QUALITY, WORKMANLIKE EFFORT, CORRESPONDENCE TO DESCRIPTION, DESIGN, TITLE OR NON-INFRINGEMENT, OR ARISING FROM COURSE OF DEALING, COURSE OF PERFORMANCE OR TRADE PRACTICE, ARE HEREBY DISCLAIMED.

Landmarks Preservation Commission

April 7, 2026
Public Hearing

The current proposal is:

Preservation Department – Item 7, LPC-26-06324

3 Riverside Drive – The Kleeberg Residence – Individual Landmark – West End-Collegiate Historic District Extension Borough of Manhattan

To testify virtually, please join Zoom

Webinar ID: 161 797 4321
Passcode: 987924
By Phone: 646-828-7666 (NY)
833-435-1820 (Toll-free)
833-568-8864 (Toll-free)

Note: If you want to testify virtually on an item, join the Zoom webinar at the agenda's "Be Here by" time (about an hour in advance). When the Chair indicates it's time to testify, "raise your hand" via the Zoom app if you want to speak (*9 on the phone). Those who signed up in advance will be called first.