



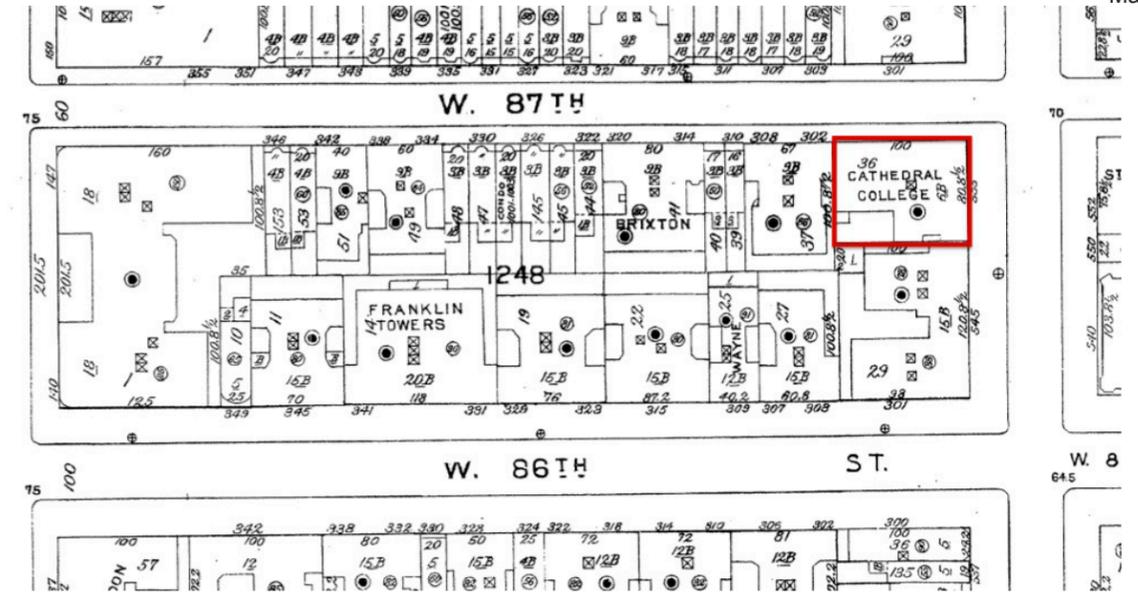
555 West End Avenue, New York, NY

A Presentation to the New York City Landmarks Preservation Commission

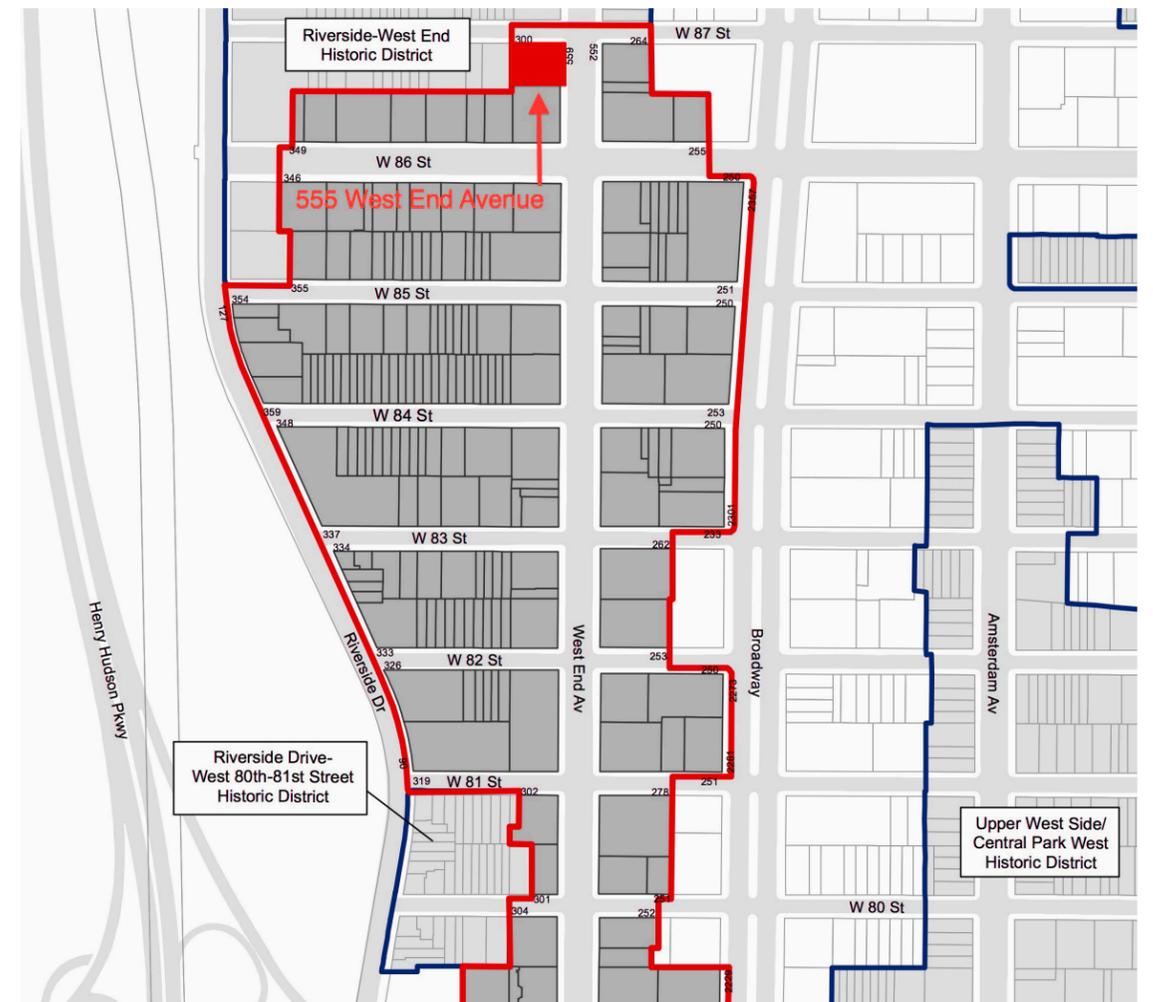
May 19th, 2015

Tamarkin Co

Building Introduction & History



site plan



historic district

555 West End Avenue
 Manhattan Block 1248, Lot 36
 Southwest corner of W 87th Street
 Riverside West End Historic District Extension I (2012)



Architects' and Builders' Magazine, 1907



1908 (Avery Library)

St. Agatha School for Girls (New York Protestant Episcopal Public School)
Completed 1908
William A. Boring, Architect



tax photo, c. 1940 (Municipal Archives)



Acker photo, c. 1940 (NYPL)

Historic and Existing Conditions at Areas of Work



Entry recess, with non-historic doors



Existing West End Avenue main entry



Historic interior doors



Existing library windows

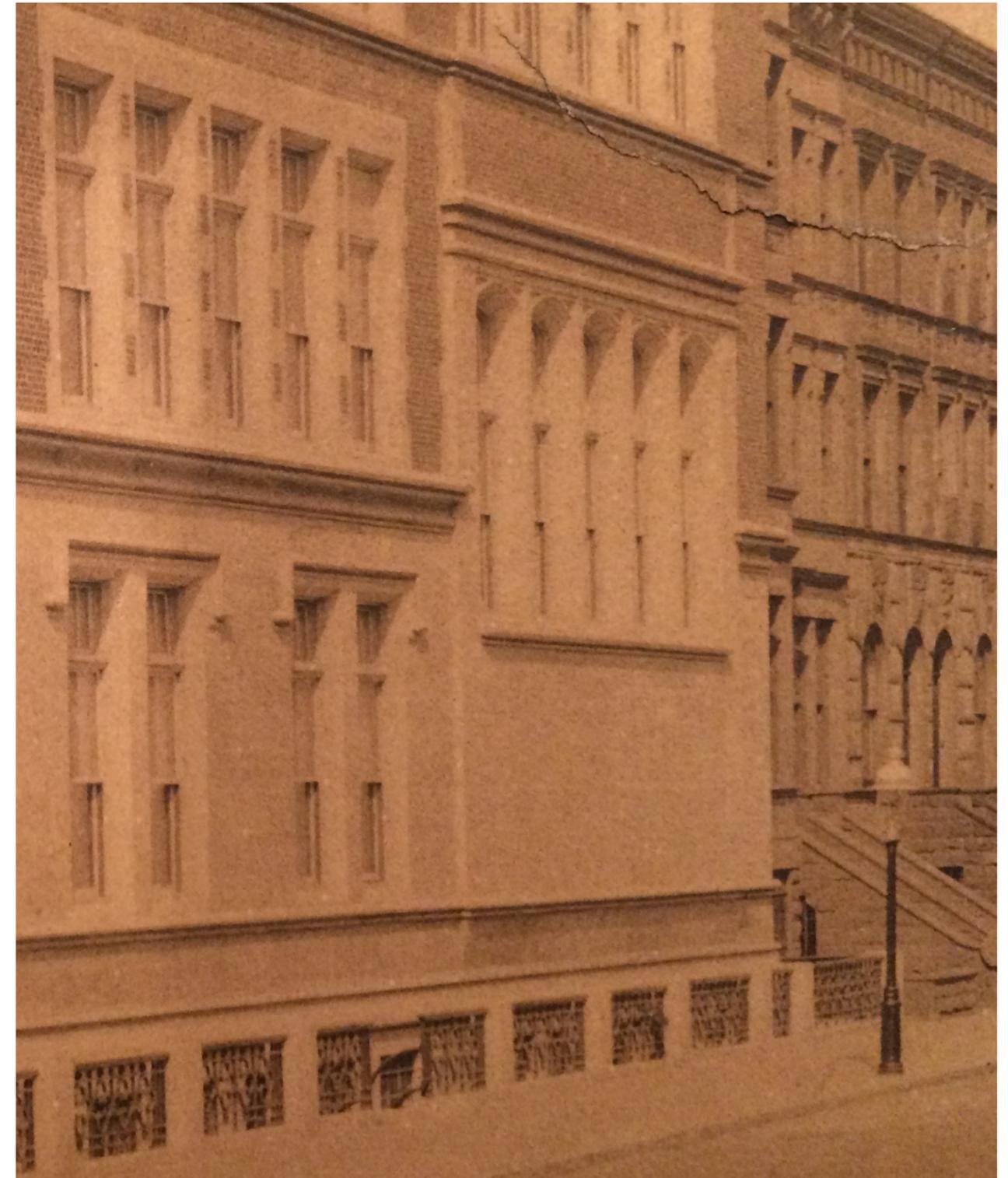


Existing areaway along 87th Street



1914-15 St. Agatha Yearbook (New-York Historical Society)

Original ground-floor gym, view to courtyard windows



1908

High windows of interior gym, later library.



Central medallion removed after 1980

Tamarkin Co



Portion of the parapet cut off after 1980

Tamarkin Co



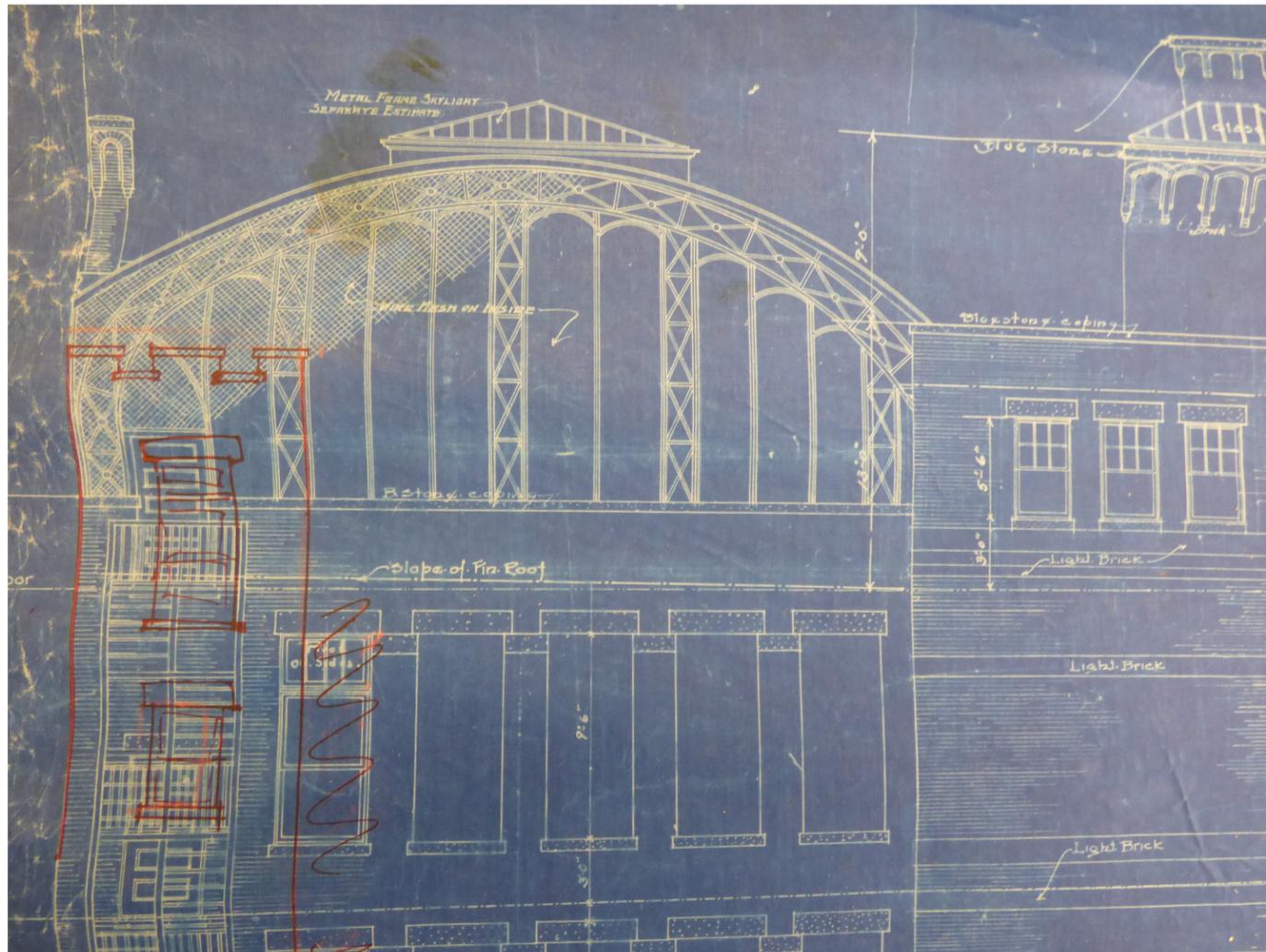
Gymnasium vault-ends originally open, with wire mesh.



Vault-ends were glazed by 1940s.



Windows were subsequently bricked over



Court elevation, 1907 Department of Buildings



Existing courtyard vault end



Existing: Roof

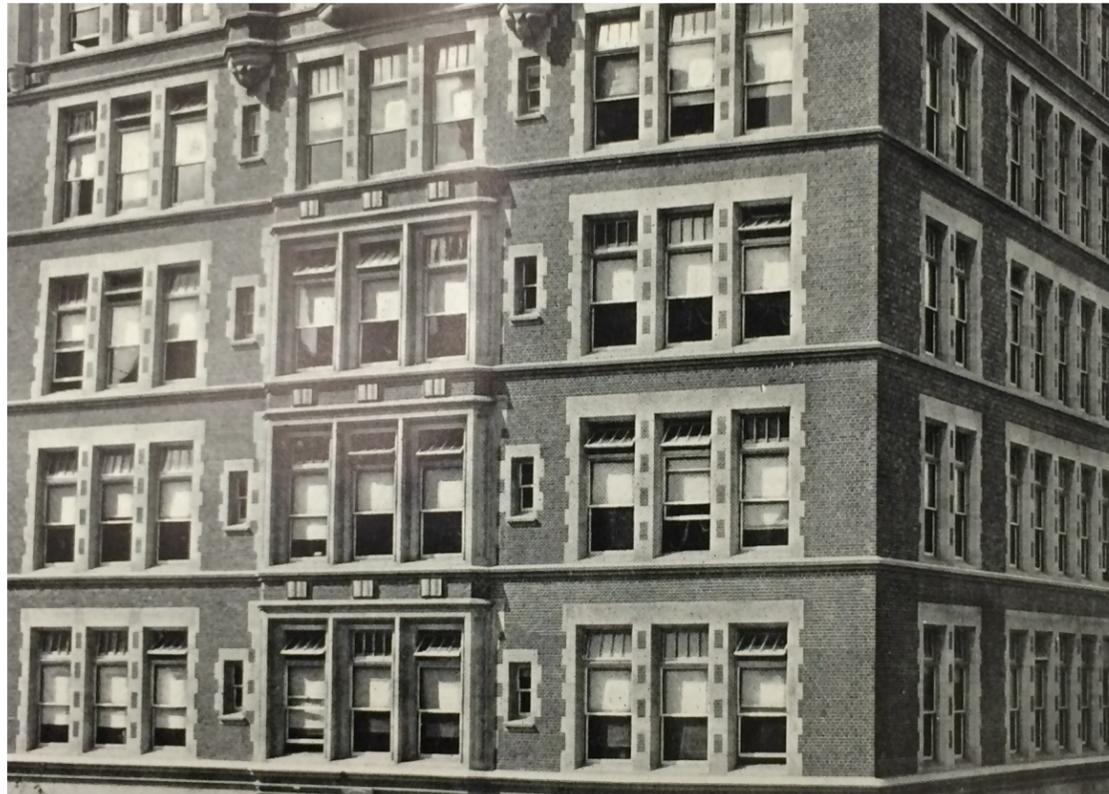


Photo showing original windows, *Brickbuilder* magazine, 1908



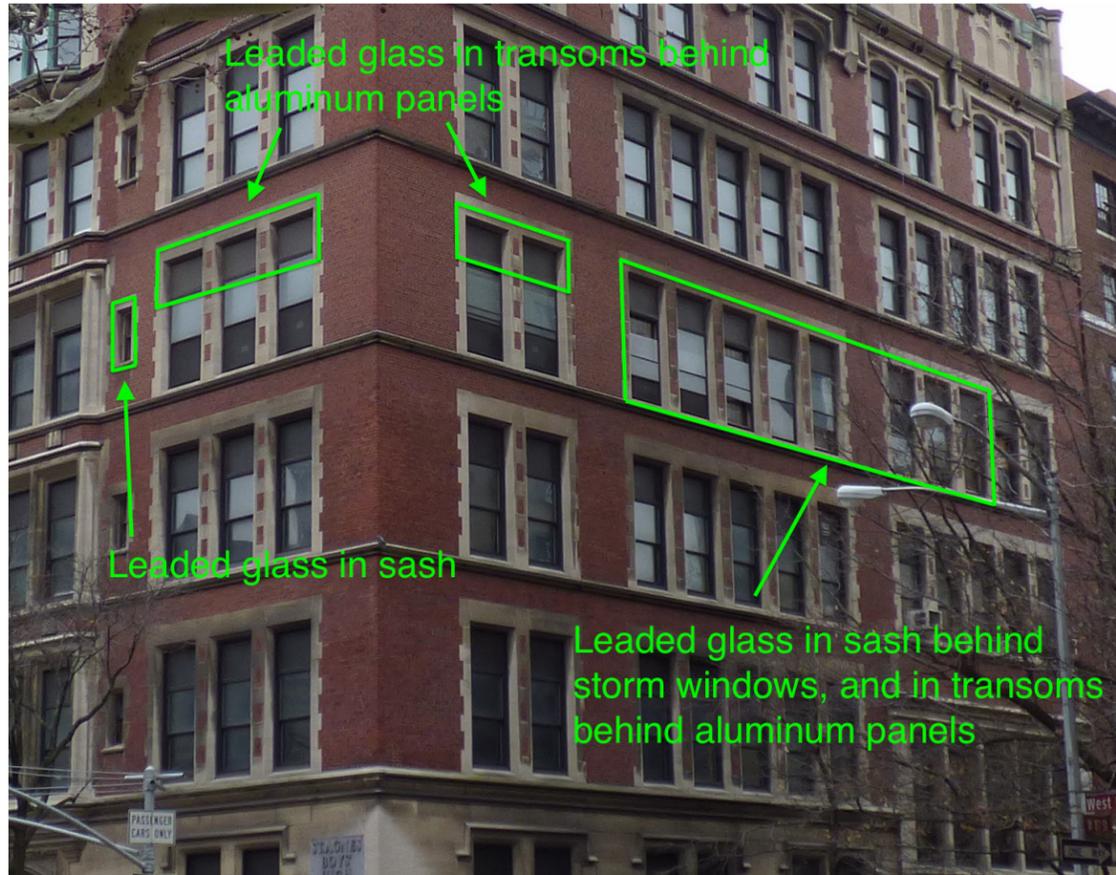
Existing fifth- and sixth-floor windows



Existing aluminum windows



Existing first-floor windows



Existing: Non-original (post 1941) ledged glass windows at fourth floor



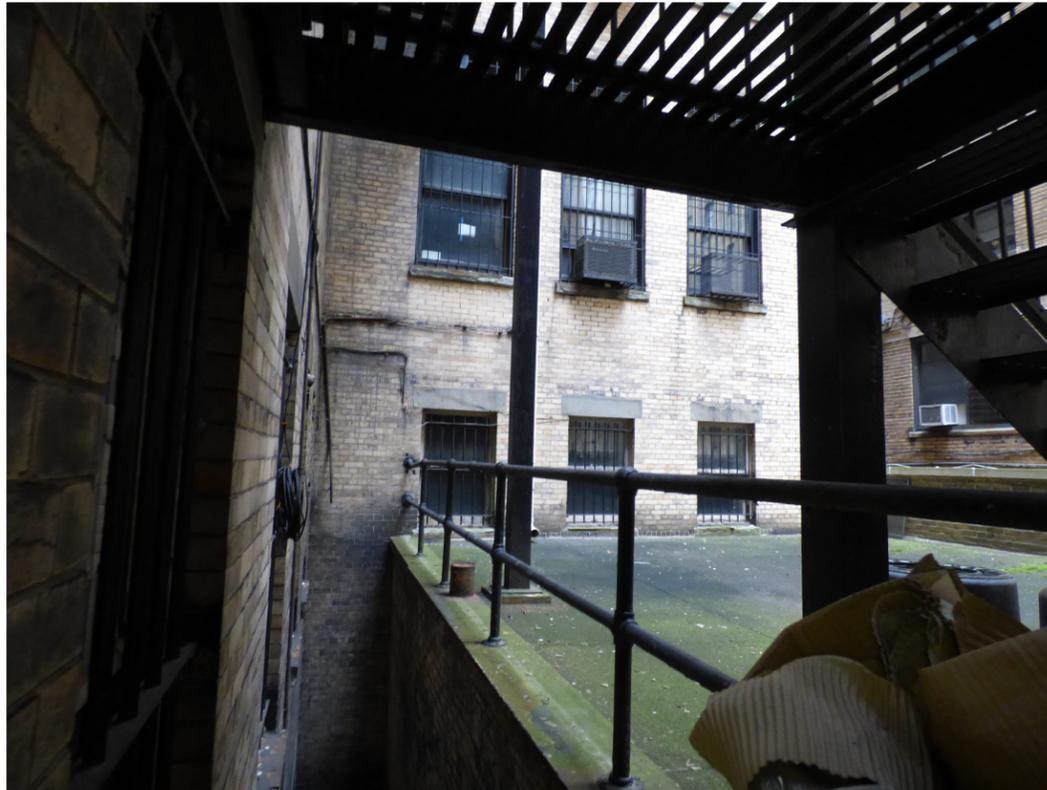
Existing: Non-original (post 1941) ledged glass windows at fourth floor



1908: No ledged glass windows at fourth floor



Iconographic medallions in alternating windows



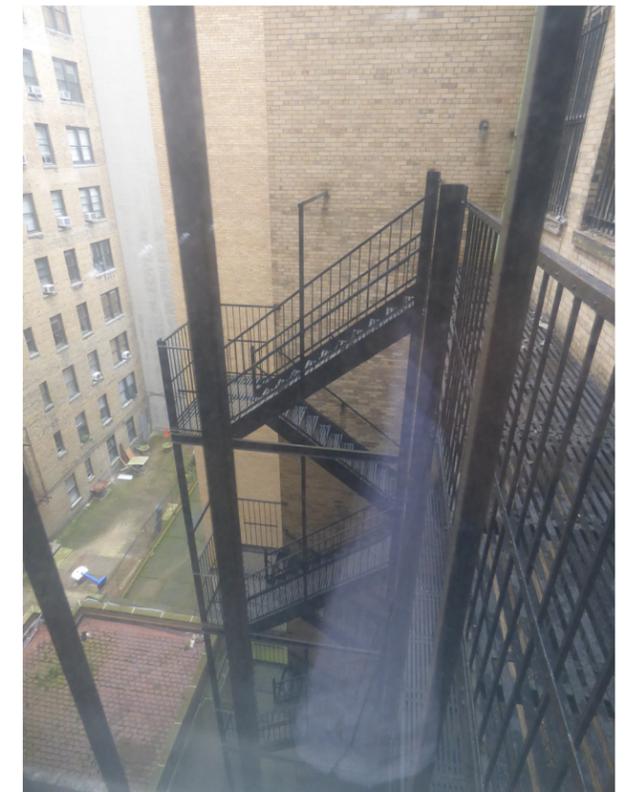
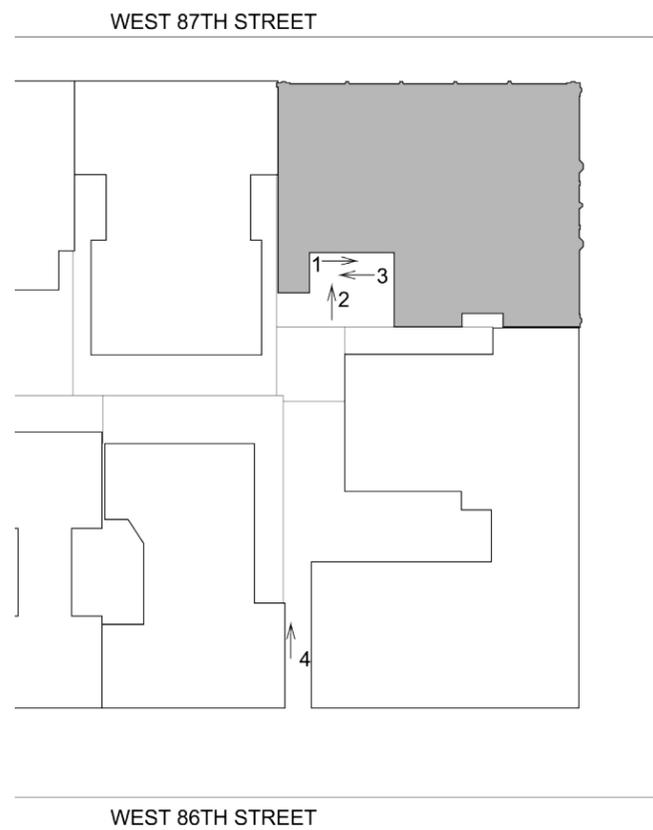
1



2



4



3

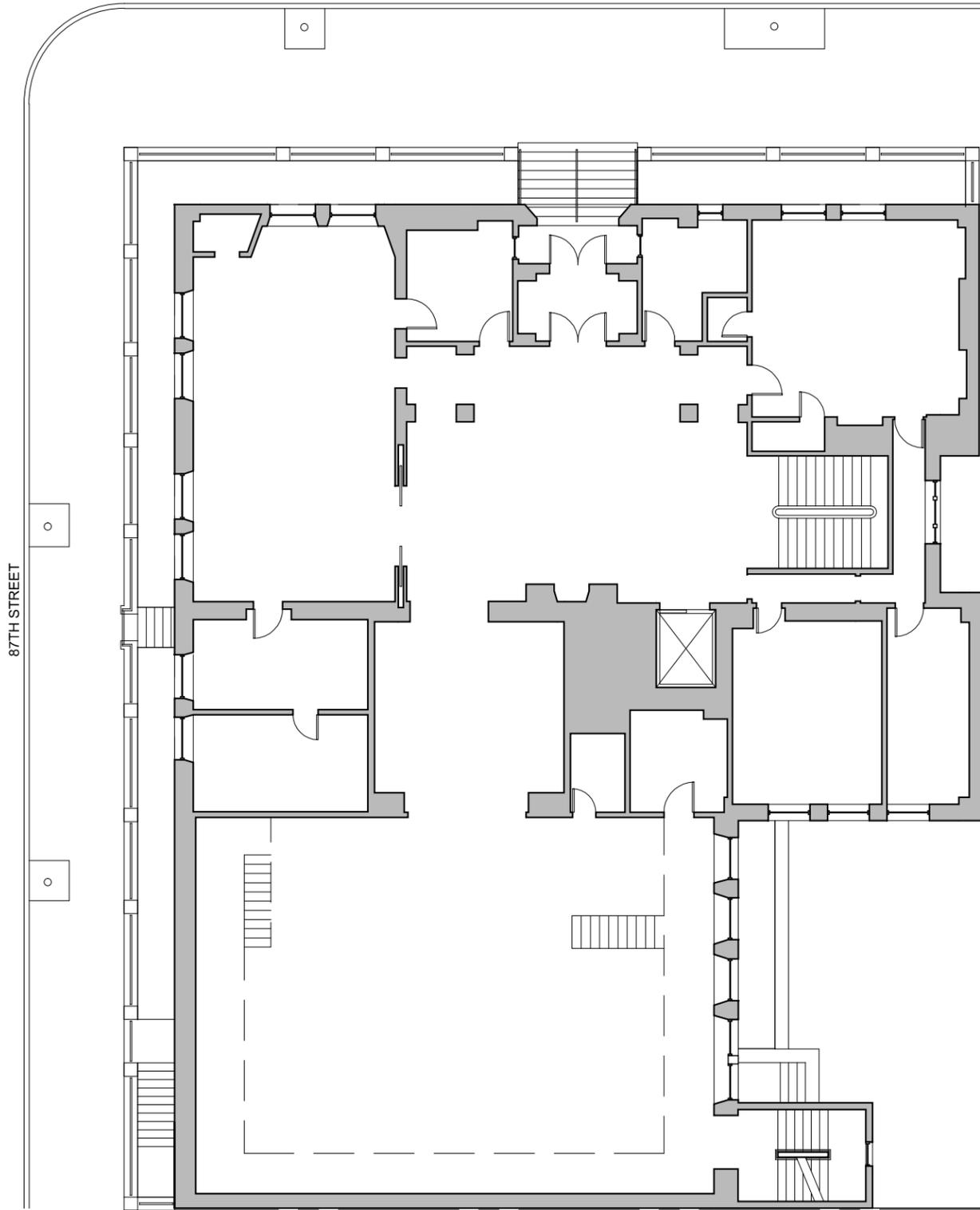
Existing: Courtyard
Tamarkin Co

Project Introduction



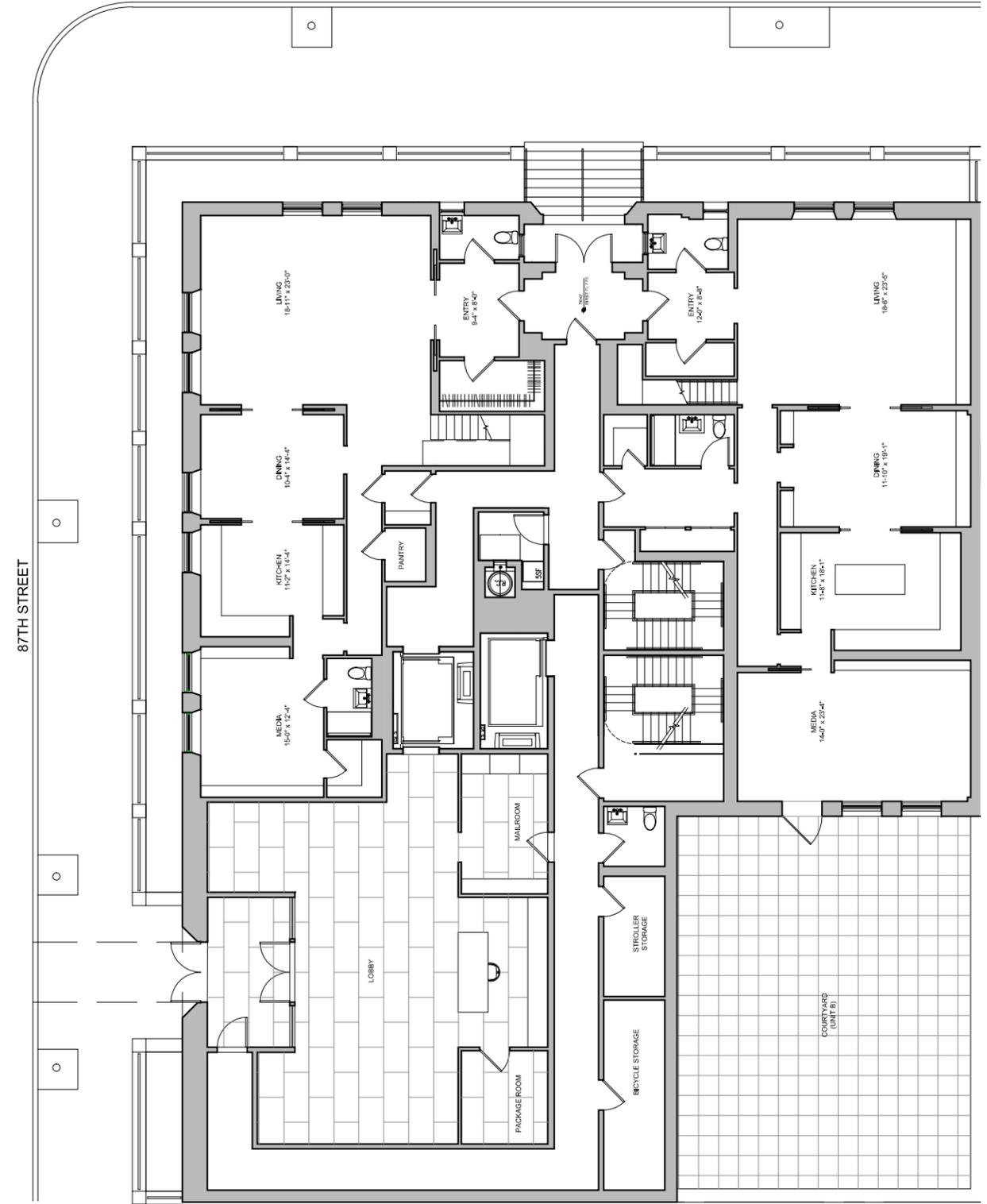
Proposed W 87th Street Entry

WEST END AVENUE



Existing

WEST END AVENUE



Proposed

First Floor Plan Showing New Lobby Entry

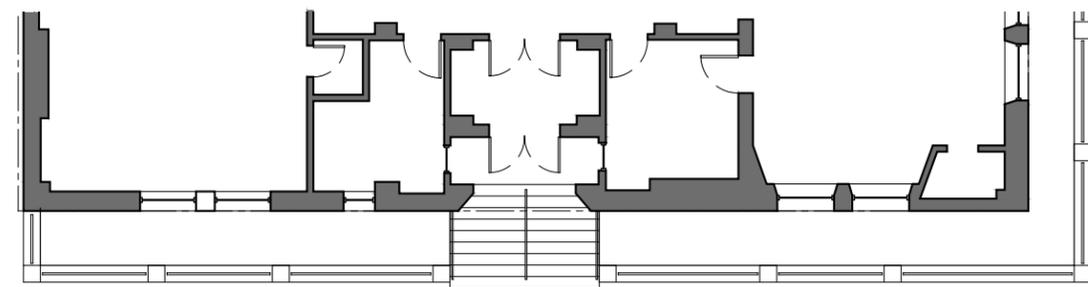
Tamarkin Co



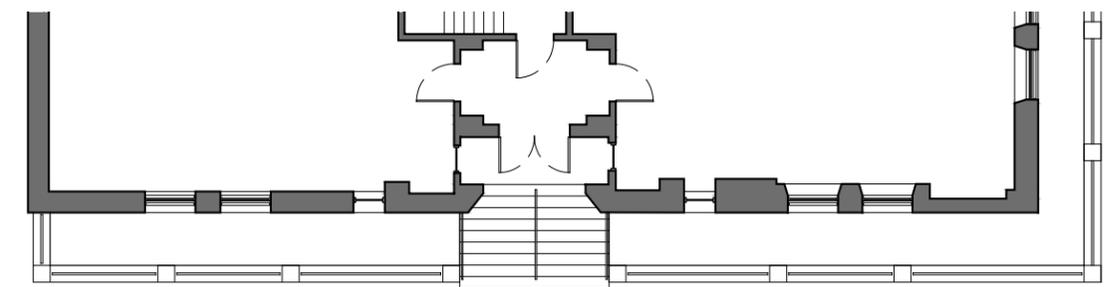
NON-HISTORIC
DOORS REMOVED

HISTORIC DOORS FROM
INTERIOR VESTIBULE
MOVED TO FRONT
ENTRY DOOR

NON-HISTORIC
GATE REMOVED



Existing

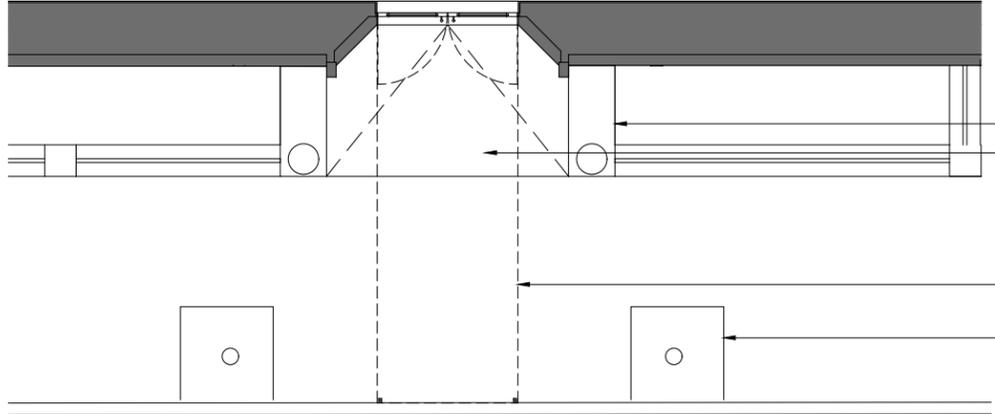
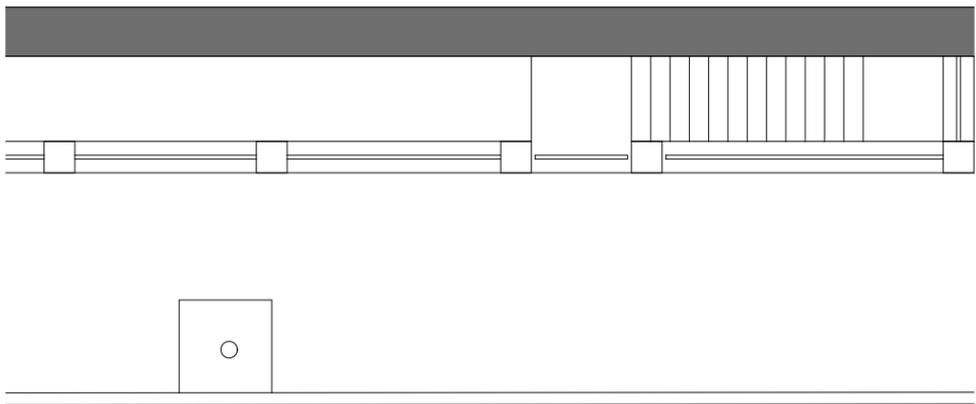


Proposed

West End Avenue Entry
Tamarkin Co



- NEW LOBBY ENTRY
- NEW CANOPY
- NEW BRONZE CLAD GLAZED DOORS
- CUSTOM 16" DIA GLOBE LIGHT
- NEW CUSTOM BRONZE PULLS
- REUSE / REPLICATE EXISTING IRON FENCE AS REQUIRED FOR NEW 87TH ST ENTRY
- NEW BRIDGE OVER AREAWAY TO SIDEWALK GRADE LOBBY



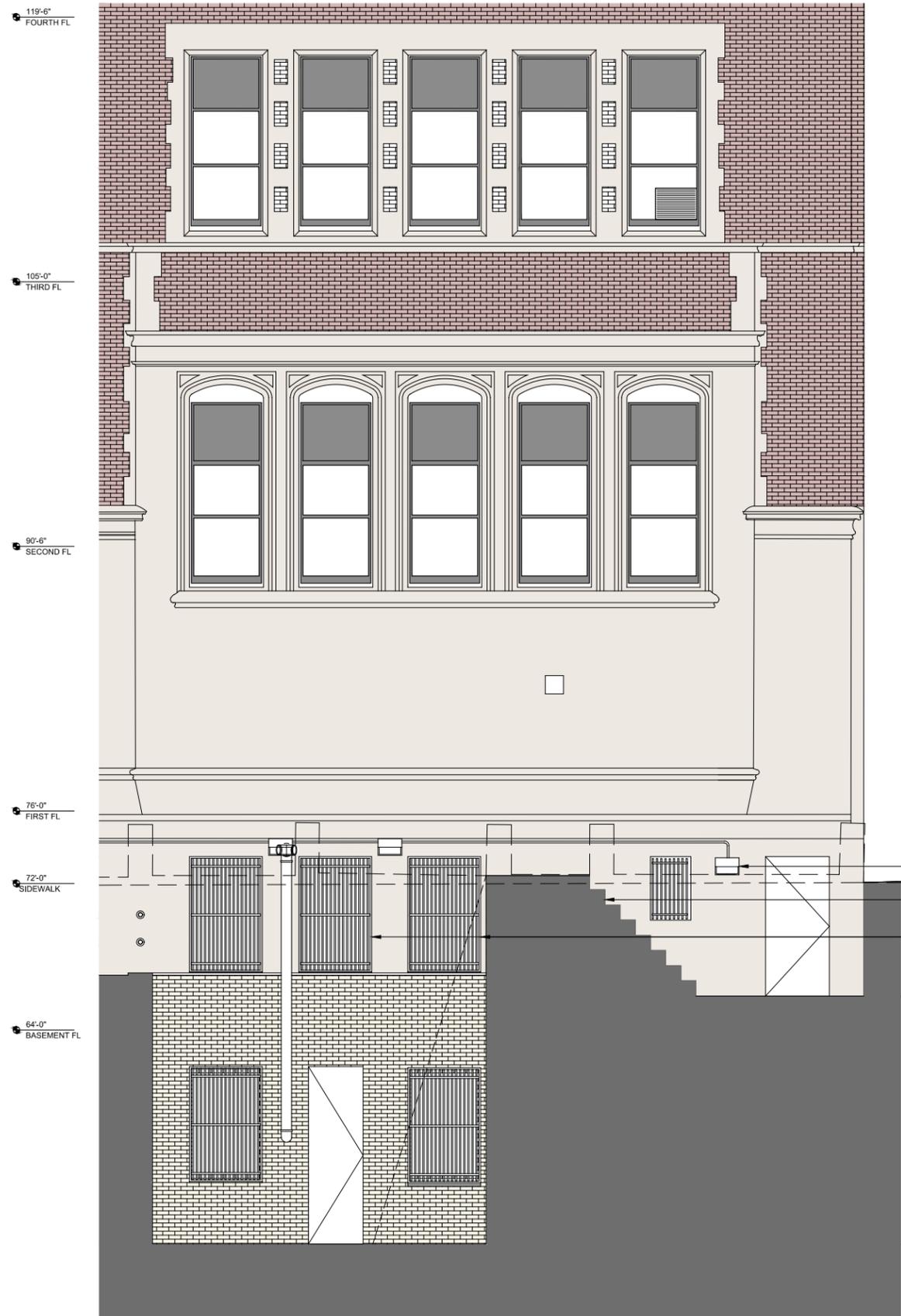
- NEW GRANITE BALLARD
- NEW GRANITE BRIDGE OVER AREAWAY AS ENTRY TO LOBBY
- NEW CANOPY
- PROPOSED NEW TREE LOCATION

Existing

Proposed

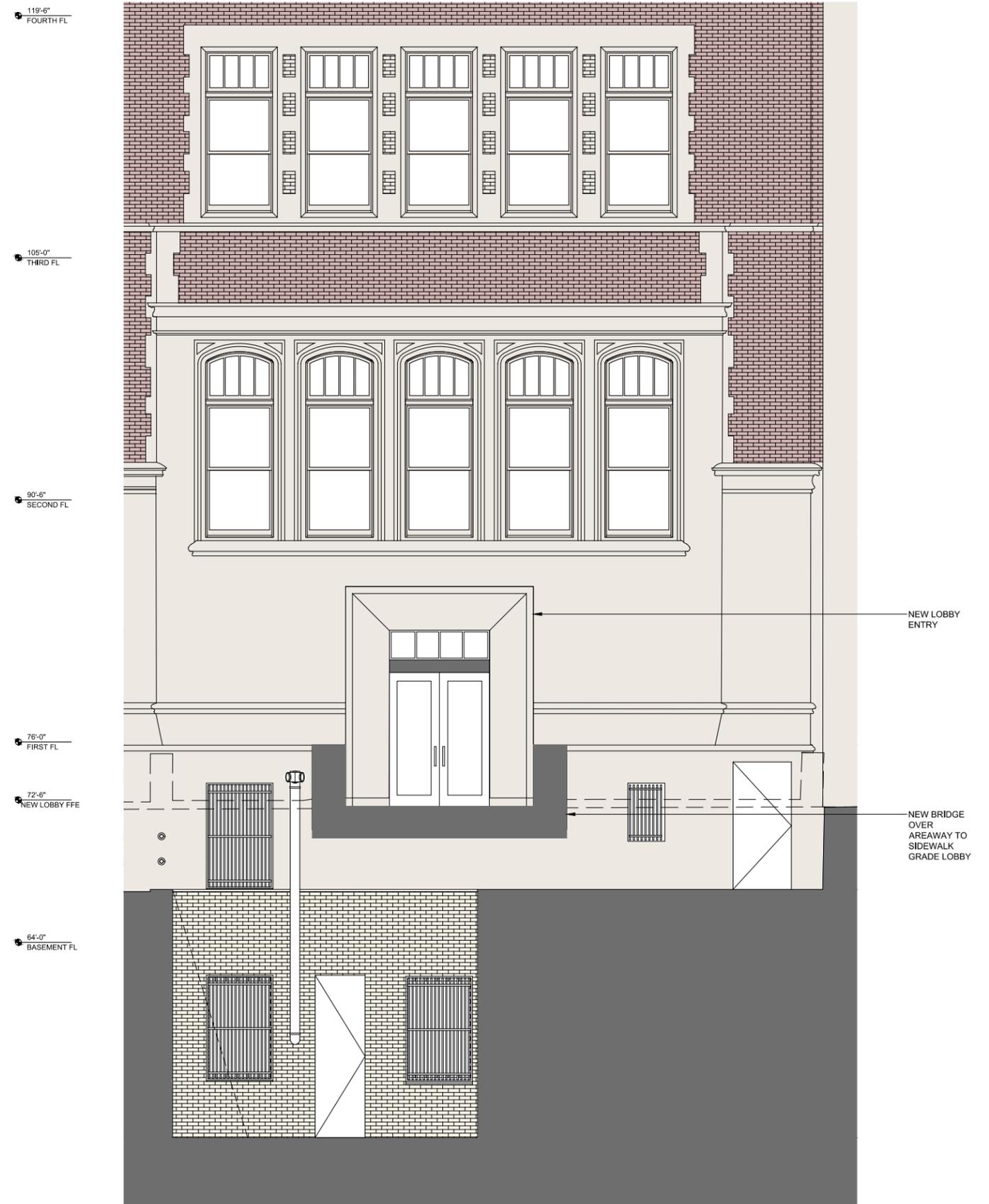
Enlarged Elevations: Proposed Lobby Entry at 87th St

Tamarkin Co



Existing

REMOVE ALL
NON-ORIGINAL LIGHTS
IN AREAWAY
REMOVE NON-ORIGINAL
STAIR IN AREAWAY
REMOVE (2) WINDOWS

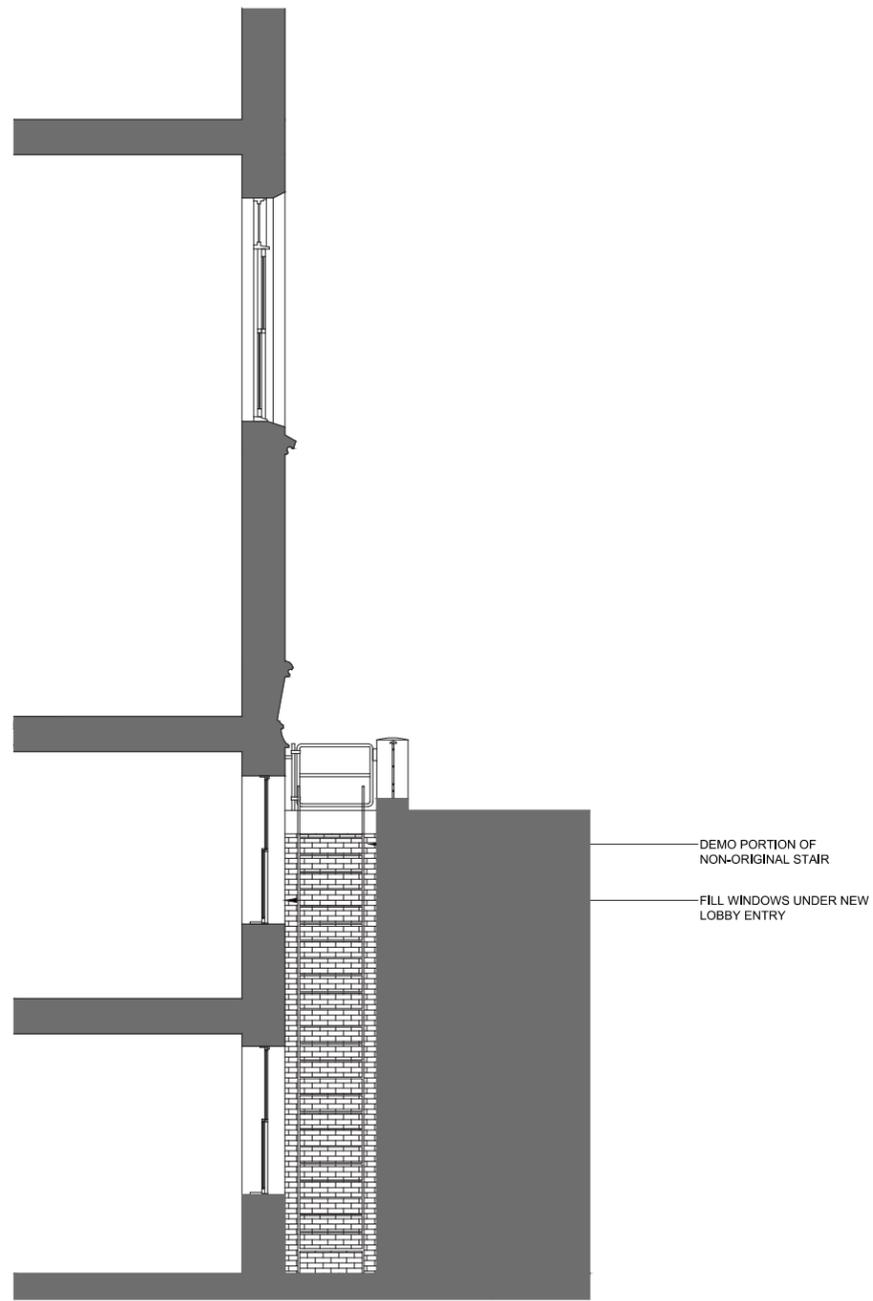


Proposed

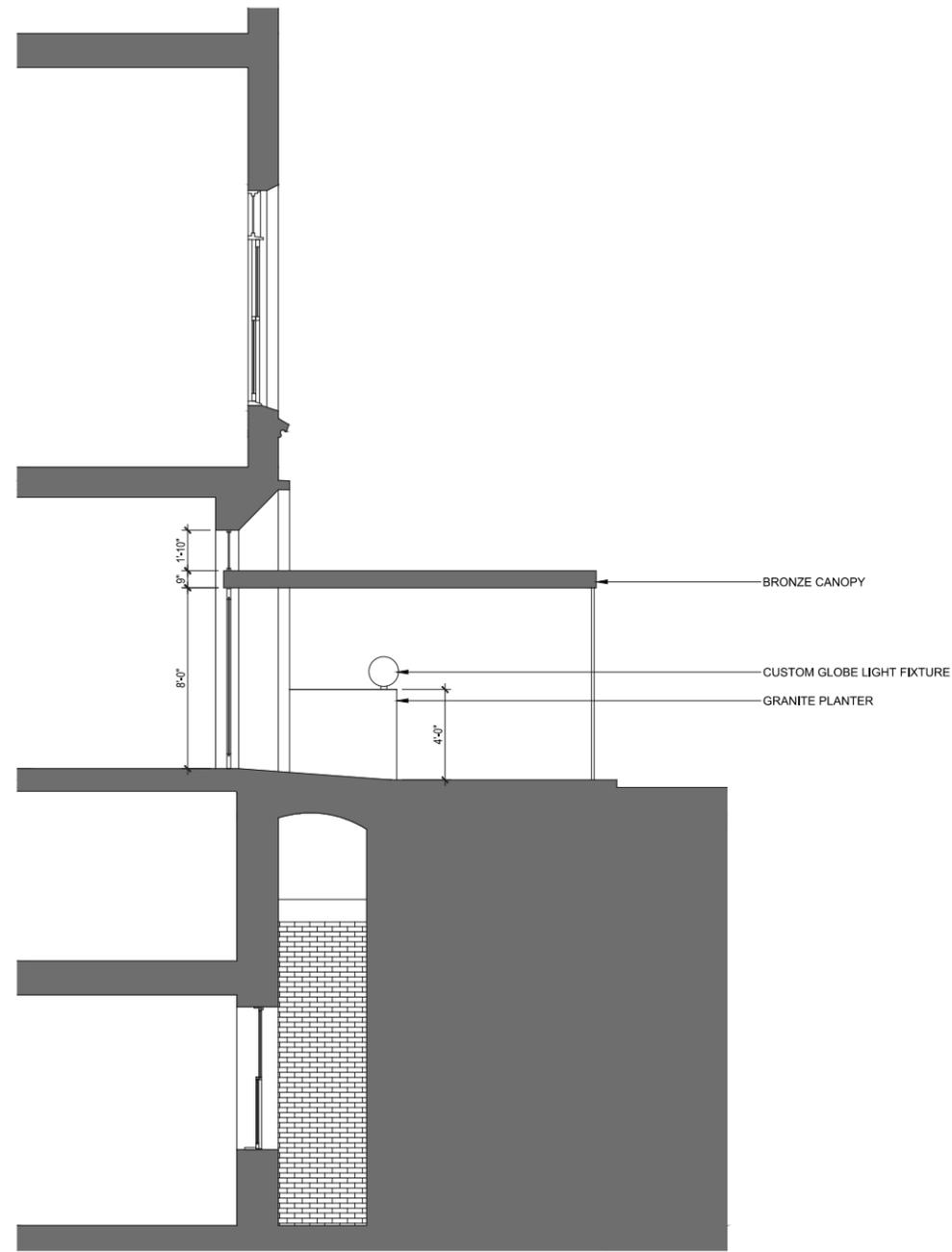
NEW LOBBY ENTRY

NEW BRIDGE OVER AREAWAY TO SIDEWALK GRADE LOBBY

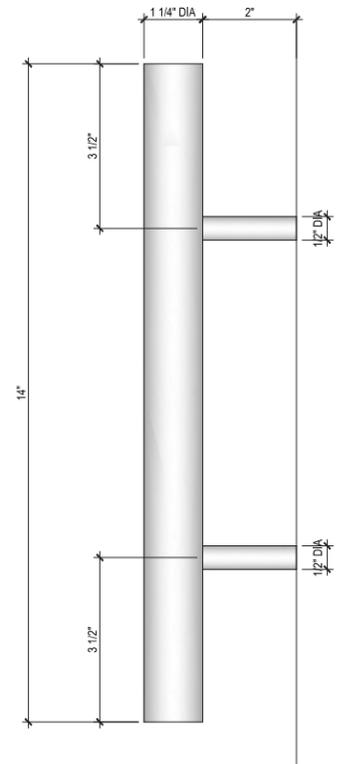
Enlarged Elevations: Proposed Lobby Entry at 87th St



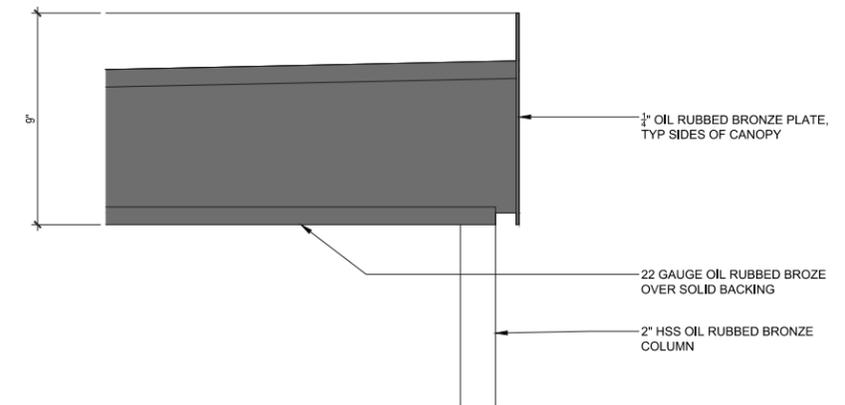
Existing



Proposed



CUSTOM OIL RUBBED BRONZE DOOR PULL



SECTION THROUGH CANOPY

Section Through Lobby Entry



Existing



Proposed
(canopy not shown for clarity)

Proposed Lobby Entry at 87th St

Tamarkin Co



Lobby Entry
Tamarkin Co

Parapet Restoration and Roof Top Addition



Existing



Proposed

555 West End Avenue, NYC
West End Avenue Elevation

May 19, 2015



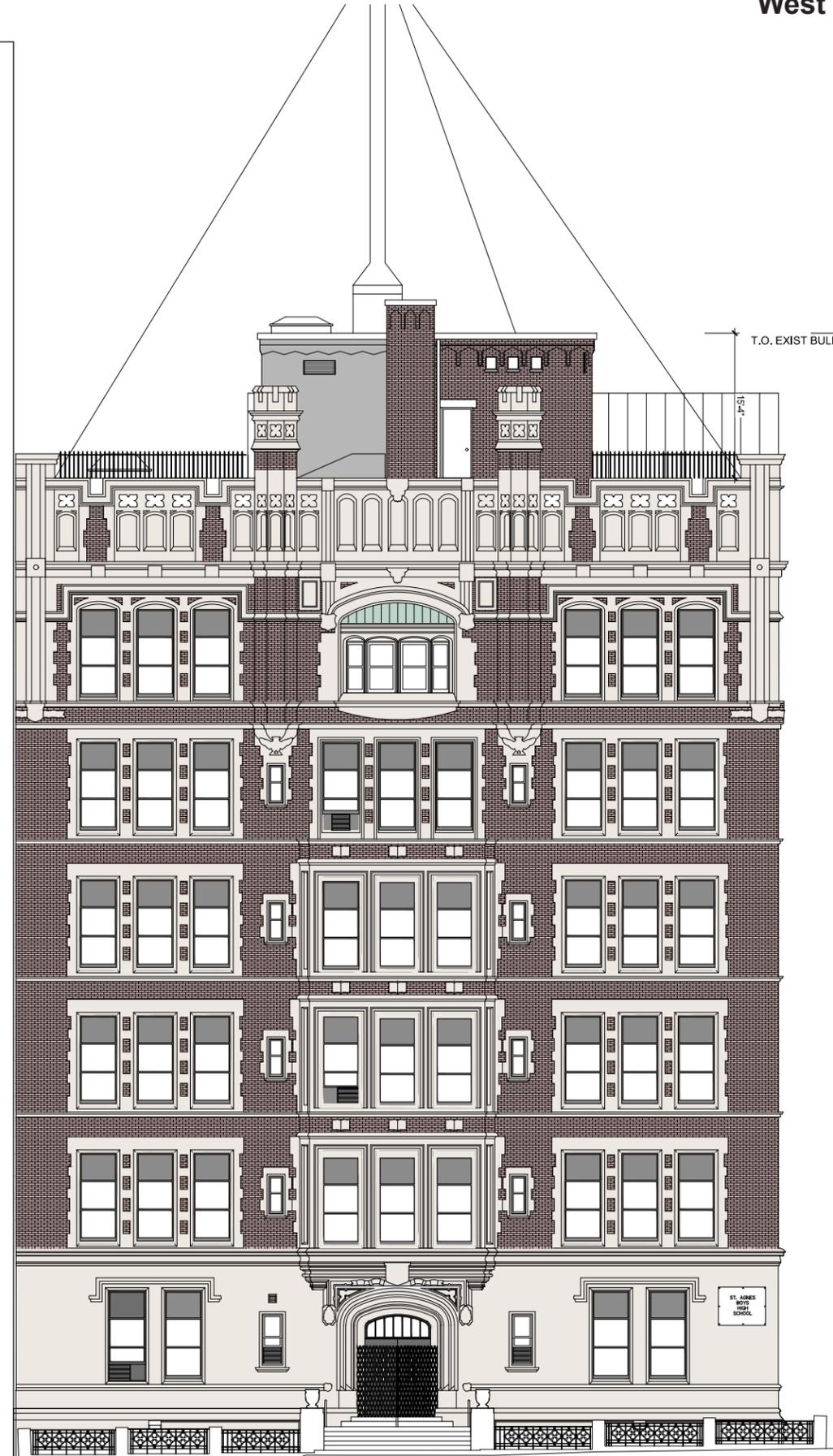
RESTORATION NOTES:

WEST END AVENUE & 84TH STREET FACADES

1. CLEAN ALL STONE AND BRICK MASONRY INCLUDING ORGANIC STAINING AND SEVERE SOILING
2. CLEAN COPPER BAY
3. REMOVE ALL GRAFFITI AND PAINT FROM STONE AND MASONRY INCLUDING ADJACENT TO PAINTED METAL AND WOOD FEATURES
4. RAKE AND REPOINT ALL STONE AND BRICK MASONRY
5. PATCH SELECTED DAMAGED AND CRACKED STONE AND BRICK MASONRY WITH RESTORATION MORTAR TO MATCH COLOR AND TEXTURE OF ADJACENT MASONRY
6. REMOVE ALL EXISTING ATTACHED ELEMENTS INCLUDING THEIR ANCHORS AND PATCH WITH RESORATION MORTAR TO MATCH COLOR AND TEXTURE OF ADJACENT MASONRY
7. REMOVE INAPPROPRIATE AND FAILING PATCHES AT BLUESTONE WATERTABLE AND STONE COPING AND PATCH WITH RESTORATION MORTAR TO MATCH COLOR AND TEXTURE OF ADJACENT STONE
8. DISASSEMBLE AND RESET DISPLACED PARAPET STONE FEATURES
9. PROVIDE LEAD JOINT CAPS AT ALL STONE PARAPET COPING
10. REMOVE NON-ORIGINAL COPING AT NORTH ELEVATION AND REBUILD PARAPET TO MATCH MISSING ORIGINAL WITH BRICK AND CAST STONE
11. REBUILD MISSING ORIGINAL EAST ELEVATION PARAPET TRACERY AND MEDALLION WITH CAST STONE.

WEST END AVENUE AND 84TH STREET AREAWAY AND ENTRY

1. CLEAN ALL STONE AND BRICK MASONRY INCLUDING ORGANIC STAINING AND SEVERE SOILING
2. REMOVE ALL GRAFFITI AND PAINT FROM STONE AND MASONRY INCLUDING ADJACENT TO PAINTED METAL FEATURES
3. RAKE AND REPOINT ALL STONE AND BRICK MASONRY
4. PATCH SELECTED DAMAGED AND CRACKED STONE AND BRICK MASONRY WITH RESTORATION MORTAR TO MATCH COLOR AND TEXTURE OF ADJACENT MASONRY
5. DISASSEMBLE AND REBUILD FAILING AREAWAY WALL AT SELECTED LOCATIONS
6. PREPARE AND PAINT ALL IRON FENCE FEATURES
7. REMOVE SEVERLY RUSTED/DAMAGED FENCE FEATURES AND REPLACE WITH IRON OR STEEL FEATURES TO MATCH ORIGINAL
REMOVE NON-ORIGINAL FENCING



Existing

Tamarkin Co

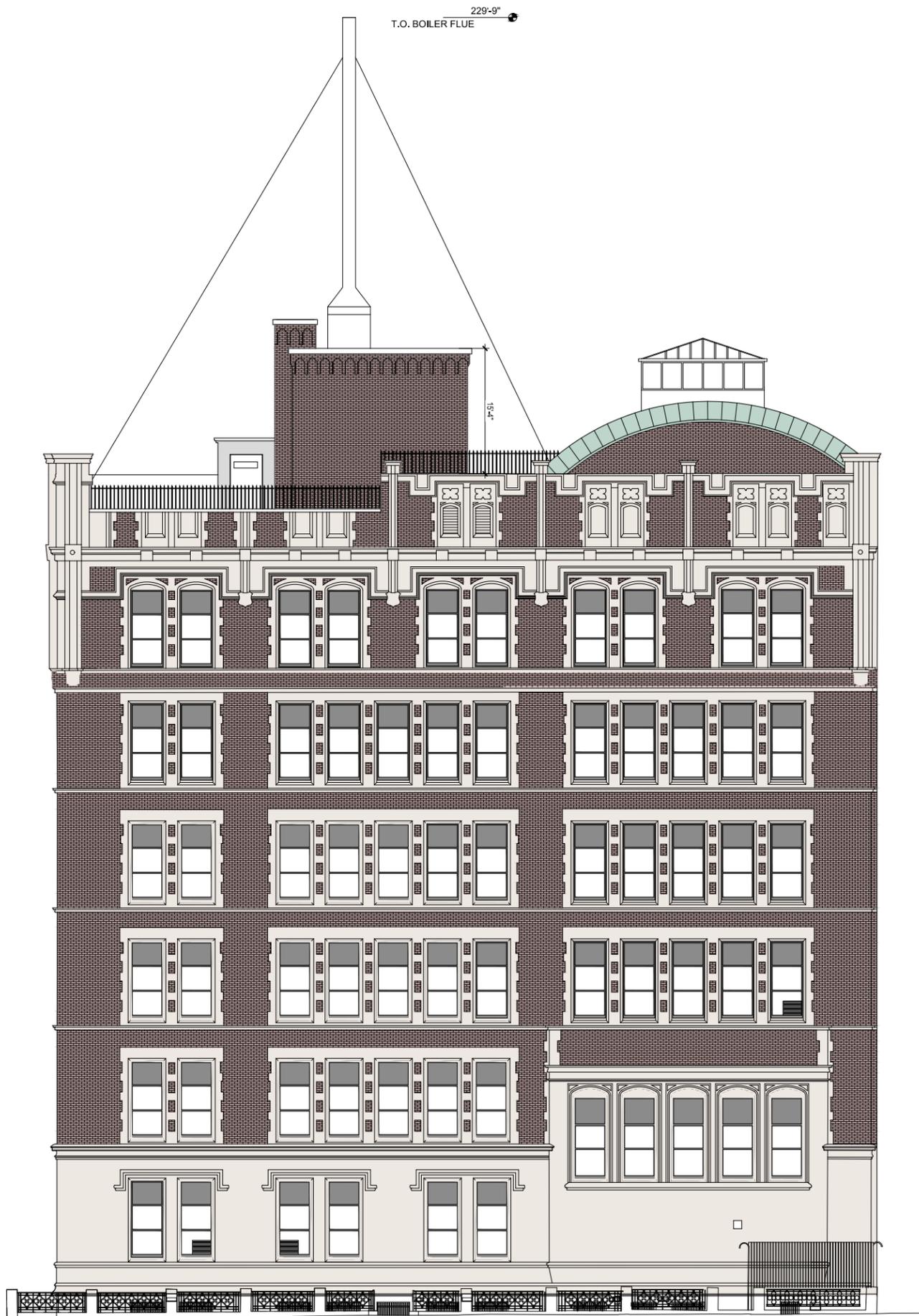
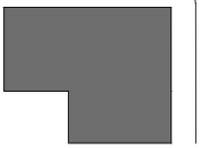


Proposed

- 186'-3" NEW ROOF ELEV
- 183'-2" T.O. BARREL VAULT
- 174'-3" EXIST ROOF / 8TH FL
- 163'-0" SEVENTH FL
- 148'-6" SIXTH FL
- 134'-0" FIFTH FL
- 119'-6" FOURTH FL
- 105'-0" THIRD FL
- 90'-6" SECOND FL
- 76'-0" FIRST FL
- 72'-0" SIDEWALK

555 West End Avenue, NYC
87th Street Elevation

May 19, 2015
87TH

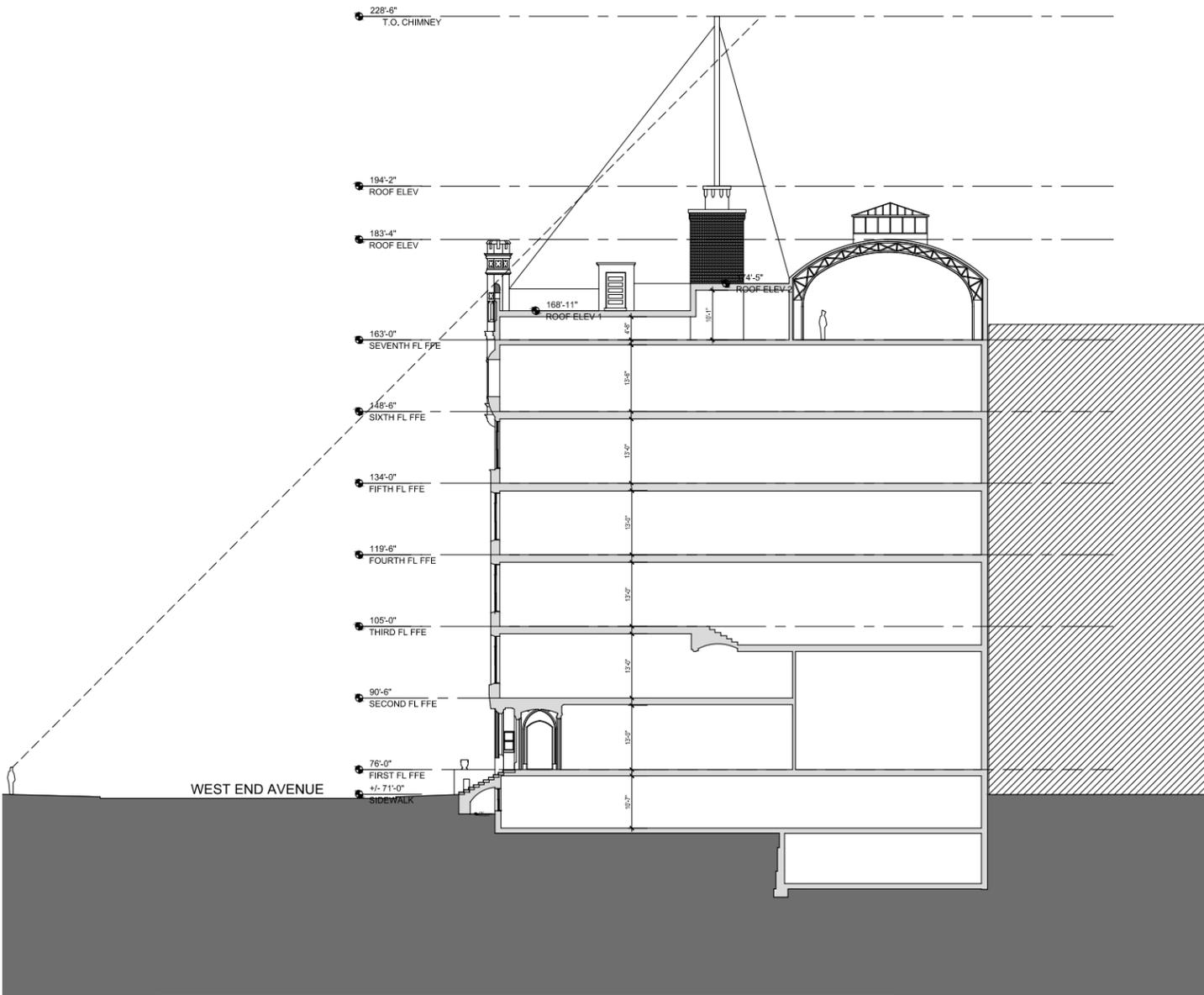
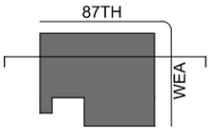


Existing

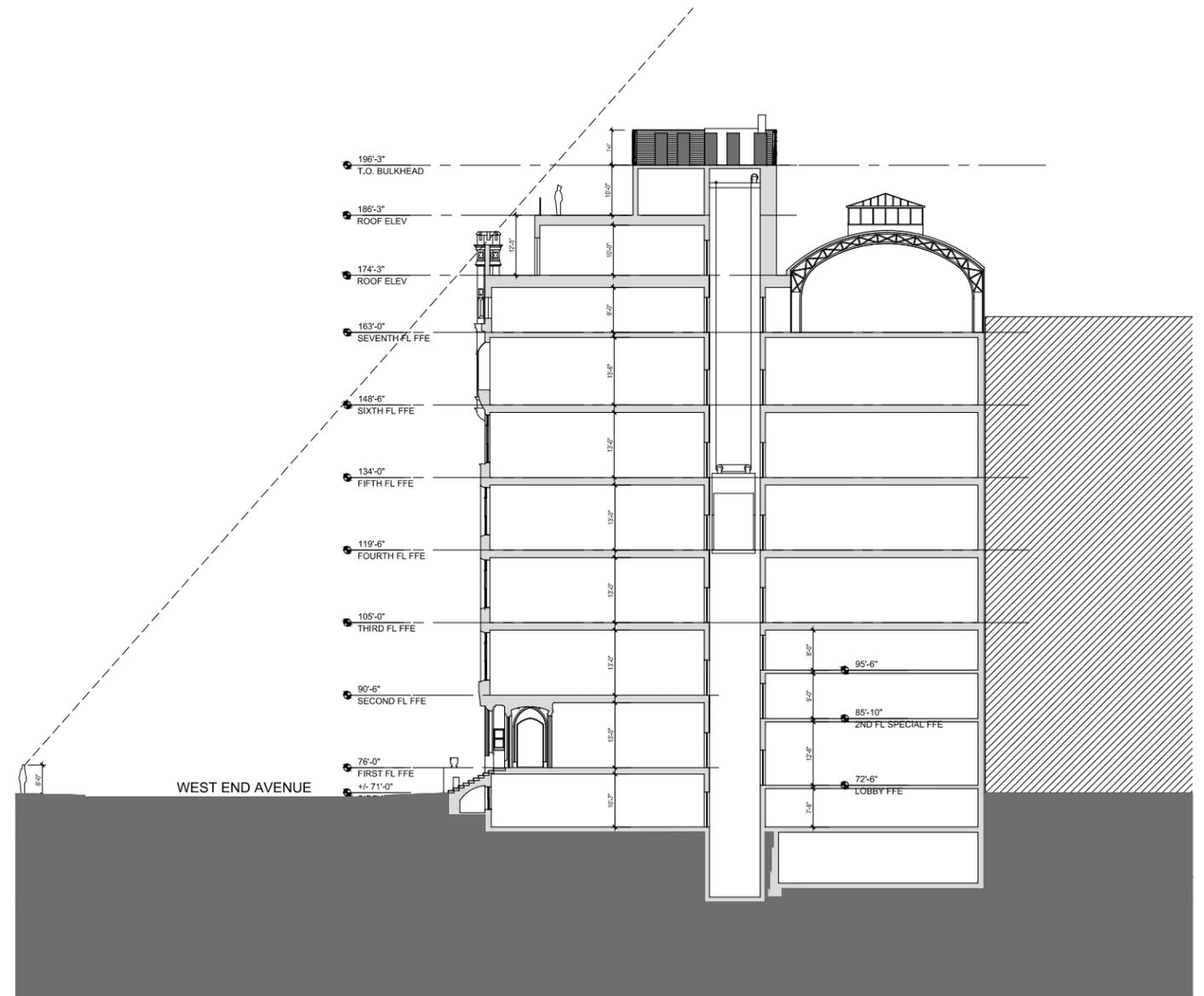


Proposed

- 196'-3" T.O. NEW BULKHEAD
- 189'-7" T.O. EXIST BULKHEAD
- 186'-3" NEW ROOF ELEV
- 183'-2" T.O. BARREL VAULT
- 174'-3" EXIST ROOF / 8TH FL
- 163'-0" SEVENTH FL
- 148'-6" SIXTH FL
- 134'-0" FIFTH FL
- 119'-6" FOURTH FL
- 105'-0" THIRD FL
- 90'-6" SECOND FL
- 76'-0" FIRST FL
- 72'-0" SIDEWALK

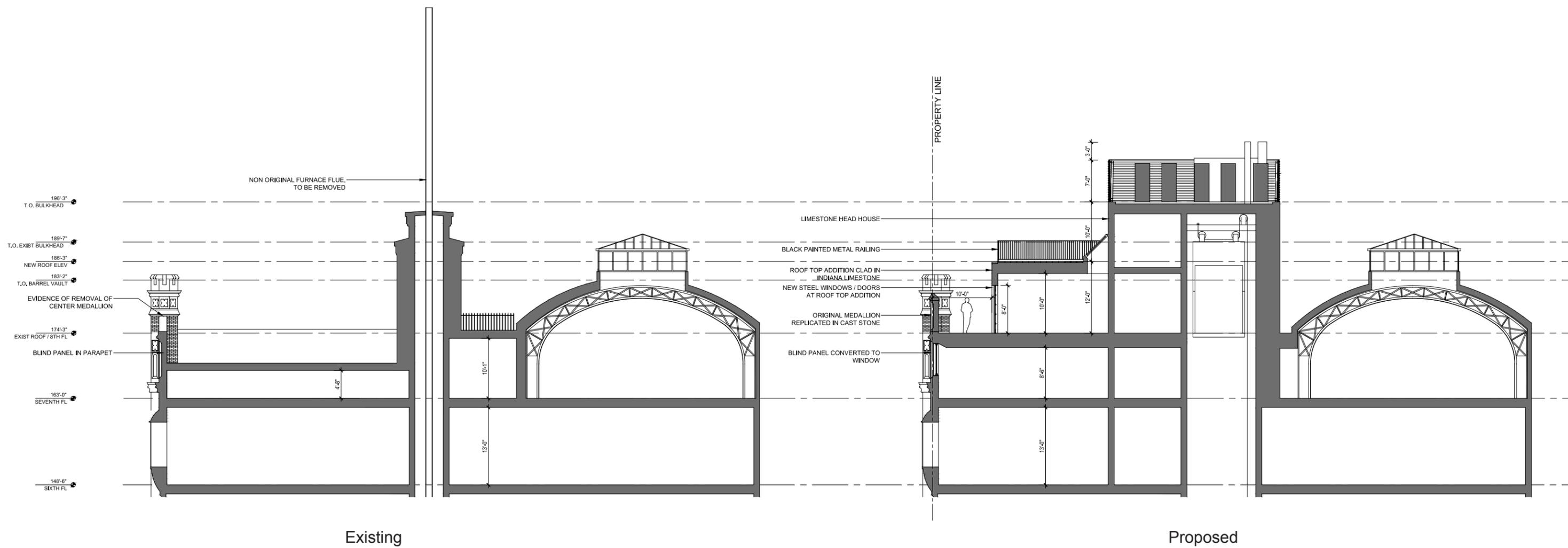
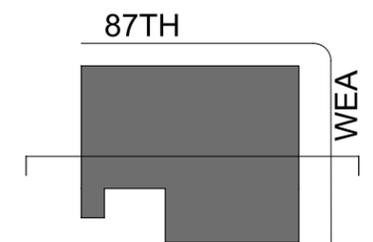


Existing



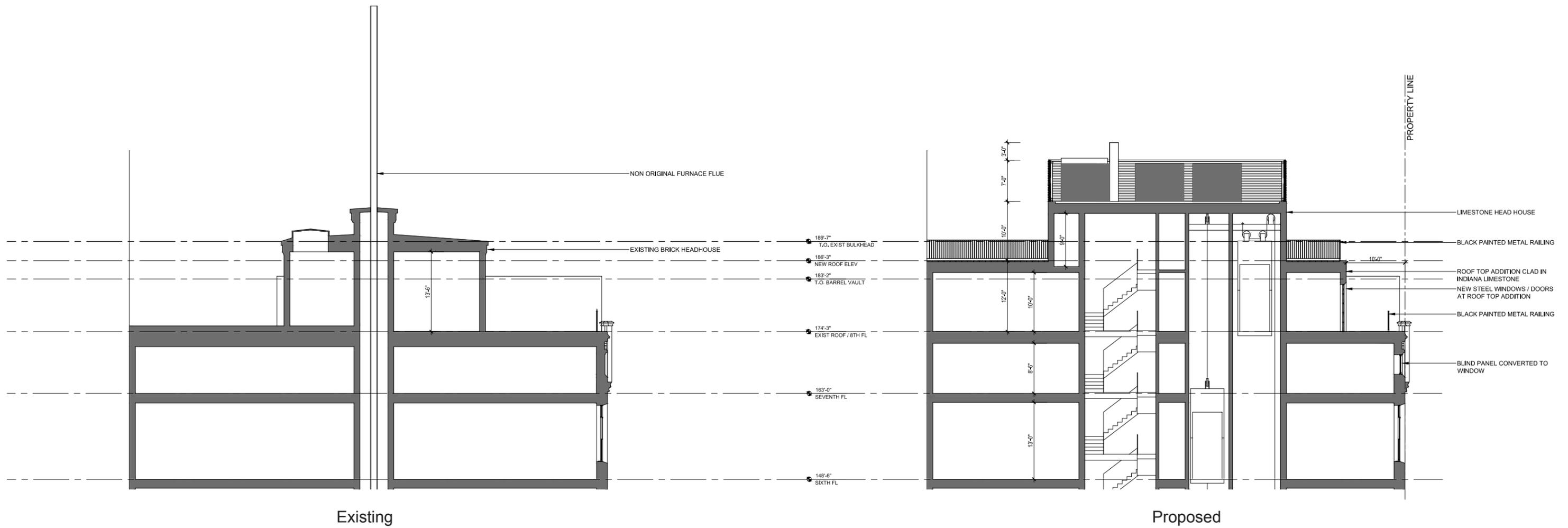
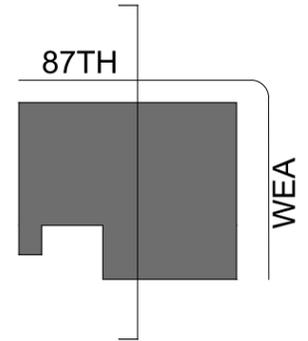
Proposed

Longitudinal Section
 Tamarkin Co

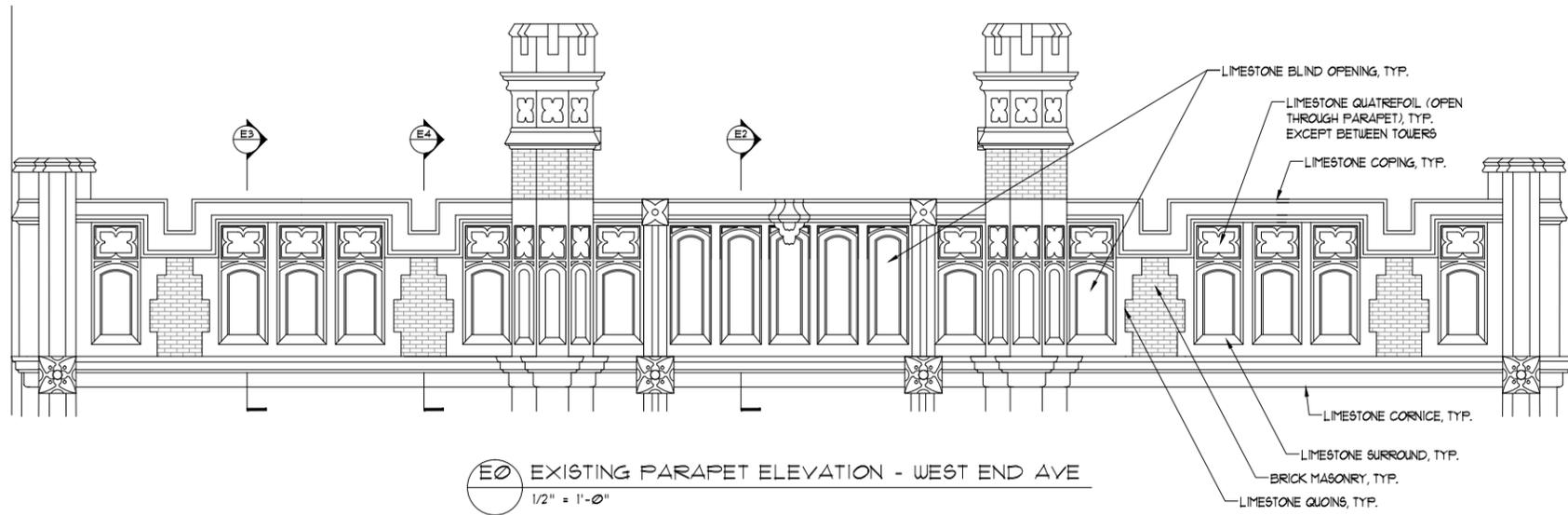


Enlarged Section Through Barrel Vault, Roof Top Addition

Tamarkin Co



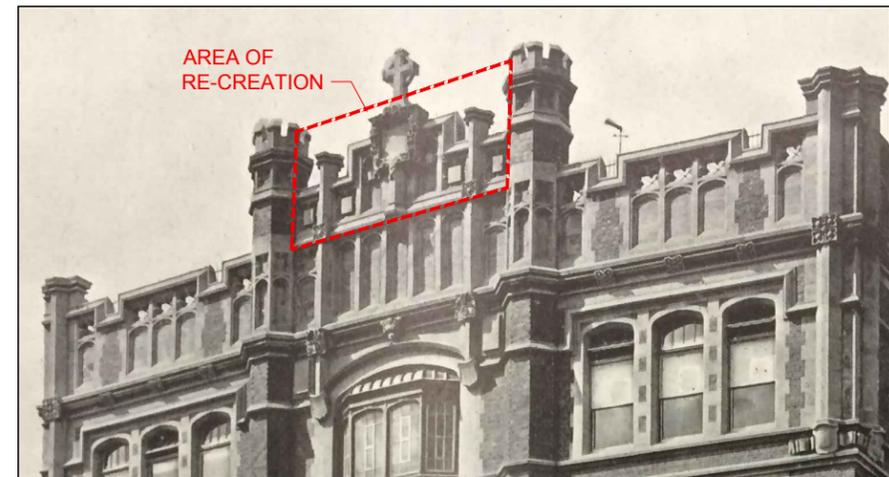
Enlarged Section Through Existing and Proposed Bulkhead



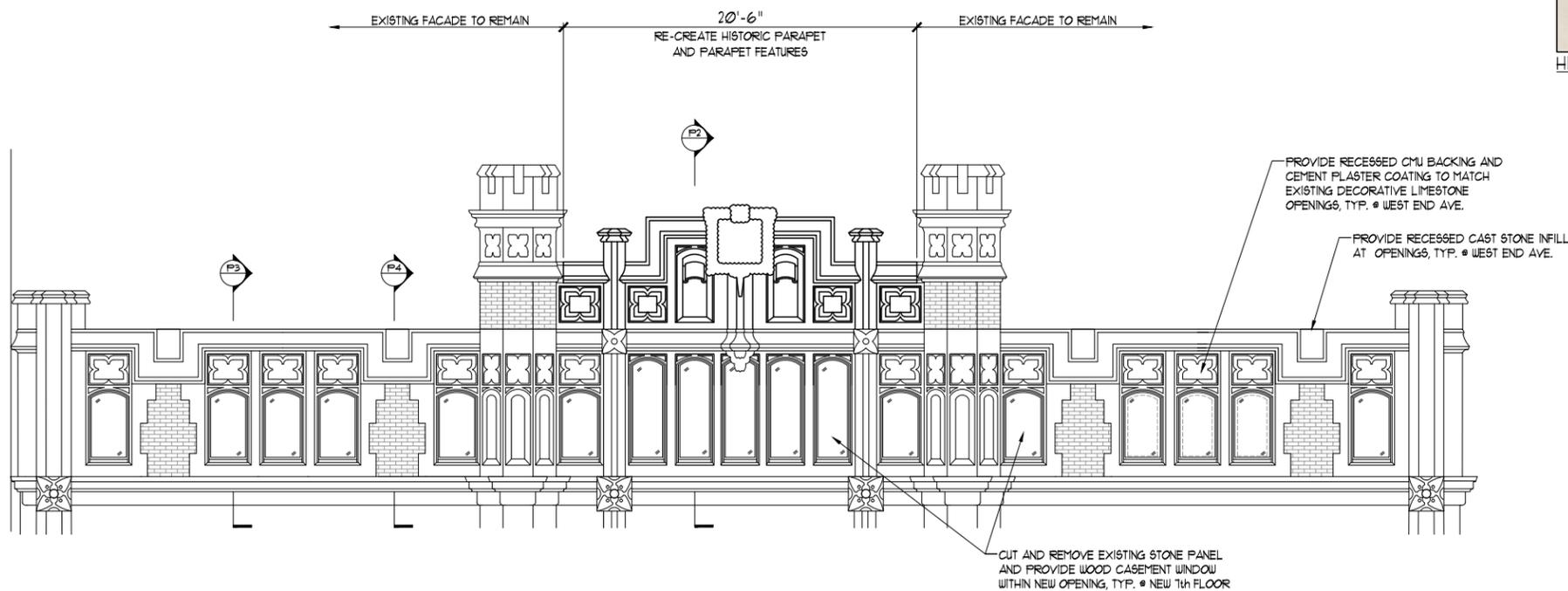
E0 EXISTING PARAPET ELEVATION - WEST END AVE
1/2" = 1'-0"



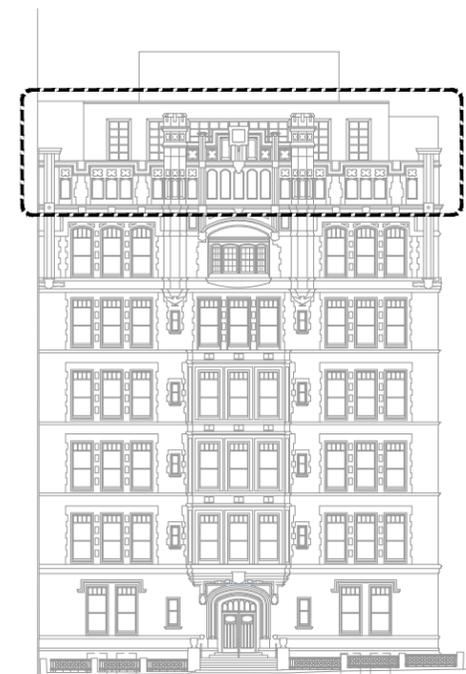
EXISTING CONDITION @ WEST END AVE.



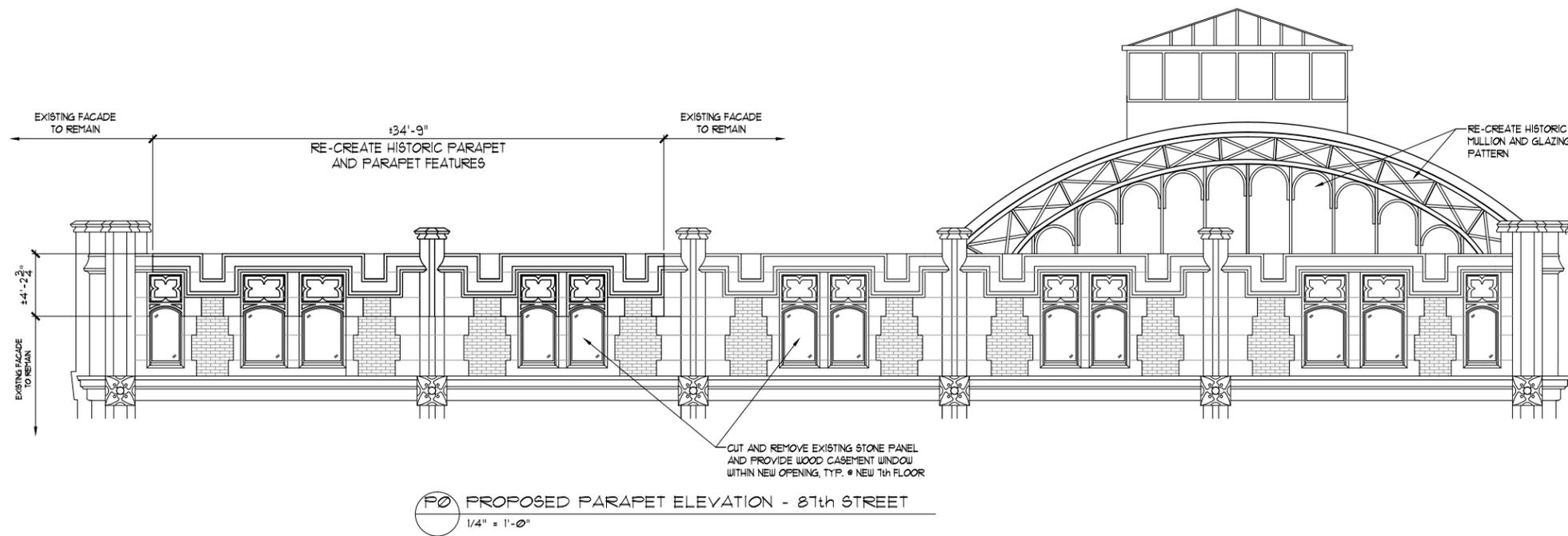
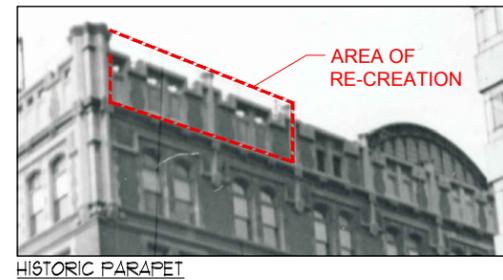
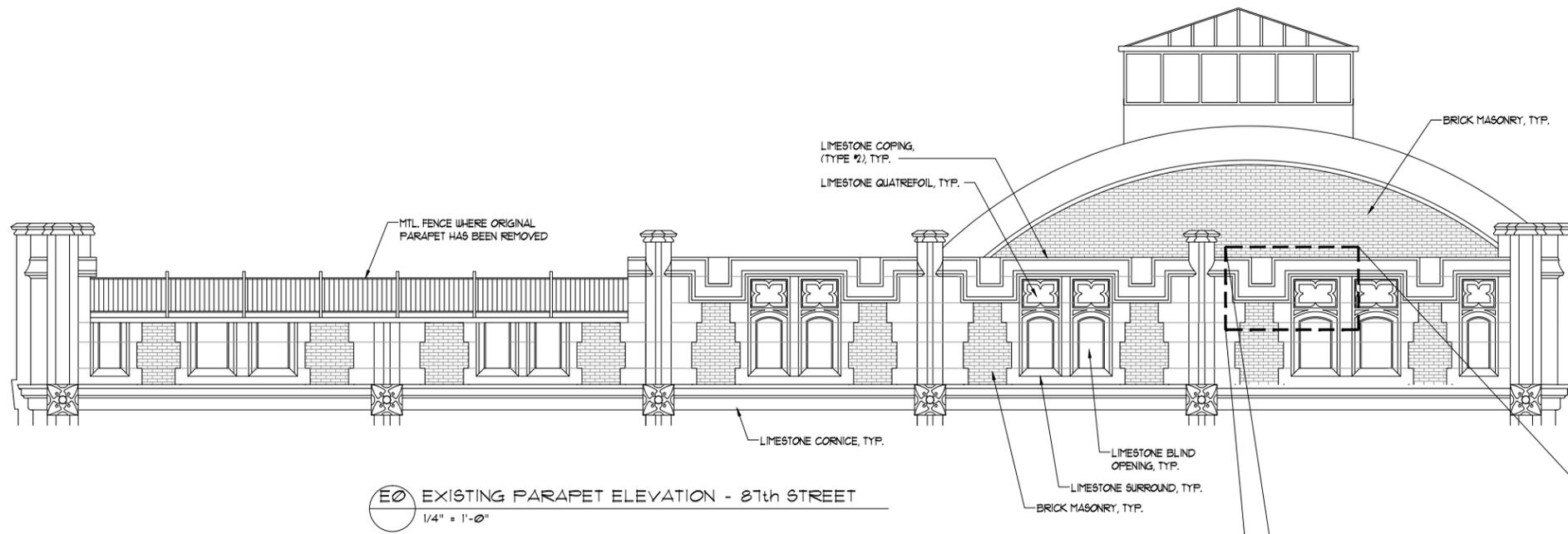
HISTORIC PARAPET



P0 PROPOSED PARAPET ELEVATION - WEST END AVE
1/2" = 1'-0"

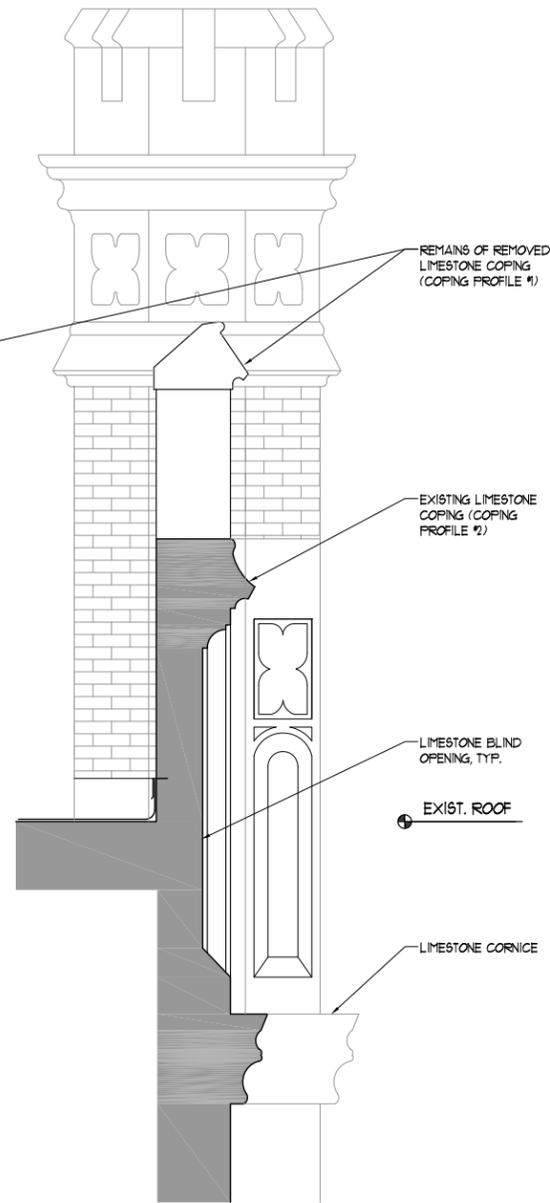


WEST END AVE. ELEVATION KEY

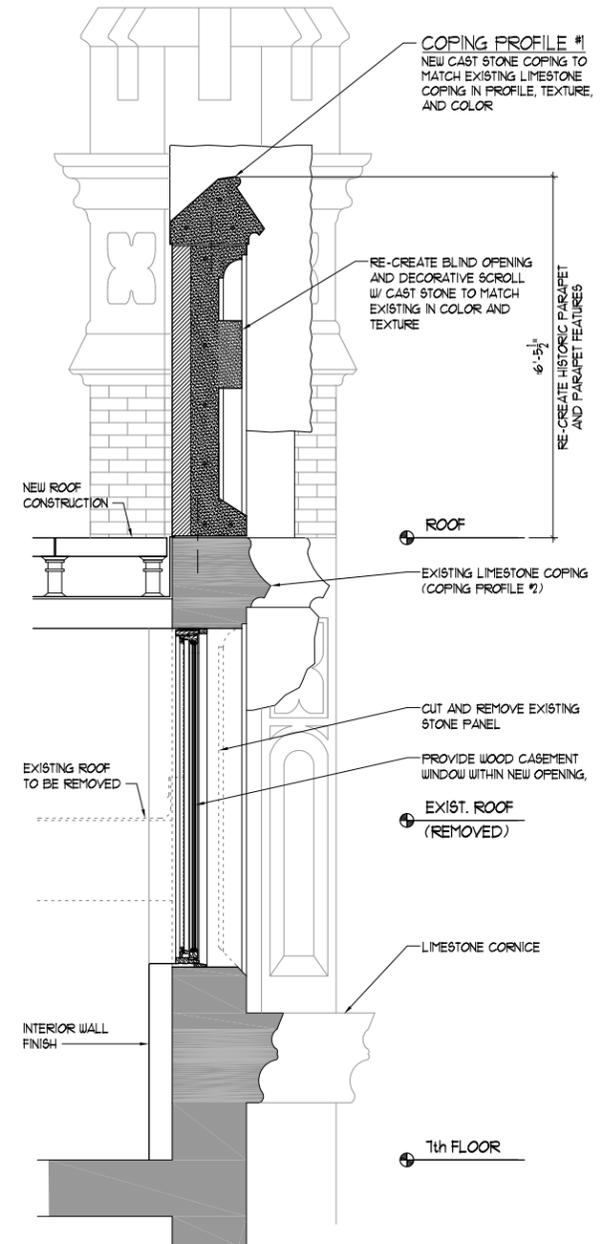




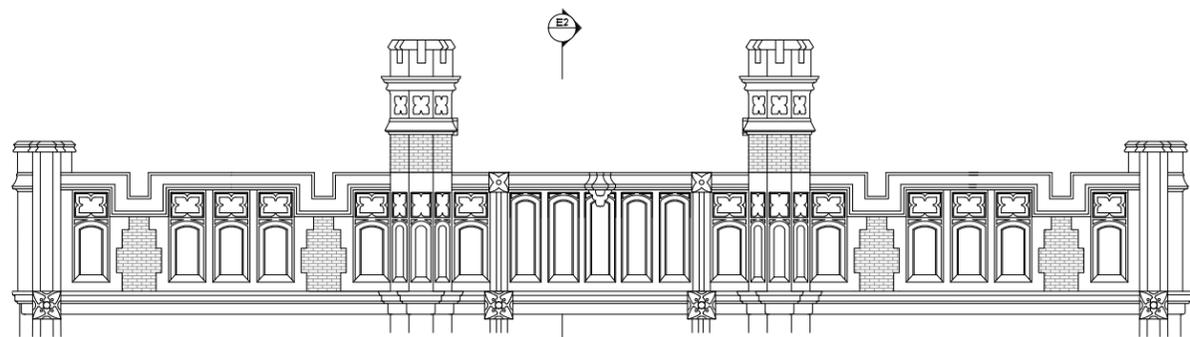
EXISTING CONDITION @ PARAPET



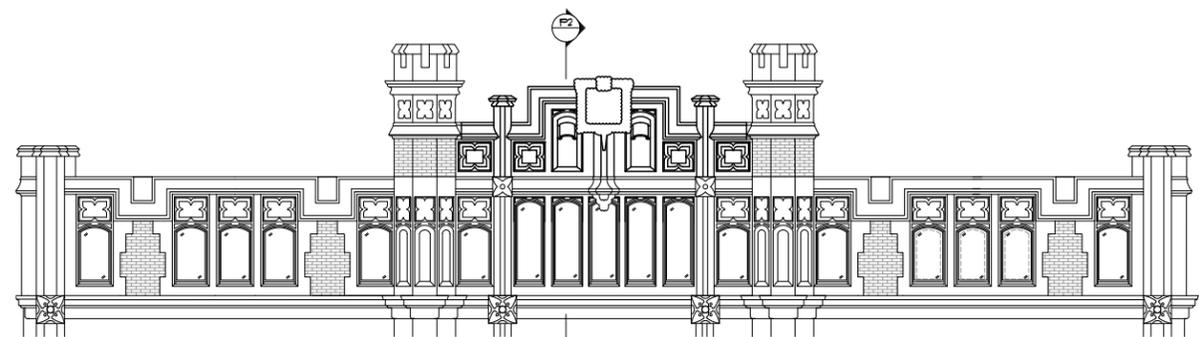
E2 EXISTING PARAPET SECTION
3/4" = 1'-0"



F2 PROPOSED RE-CREATED PARAPET SECTION
3/4" = 1'-0"



EXISTING - WEST END AVE. PARAPET KEY

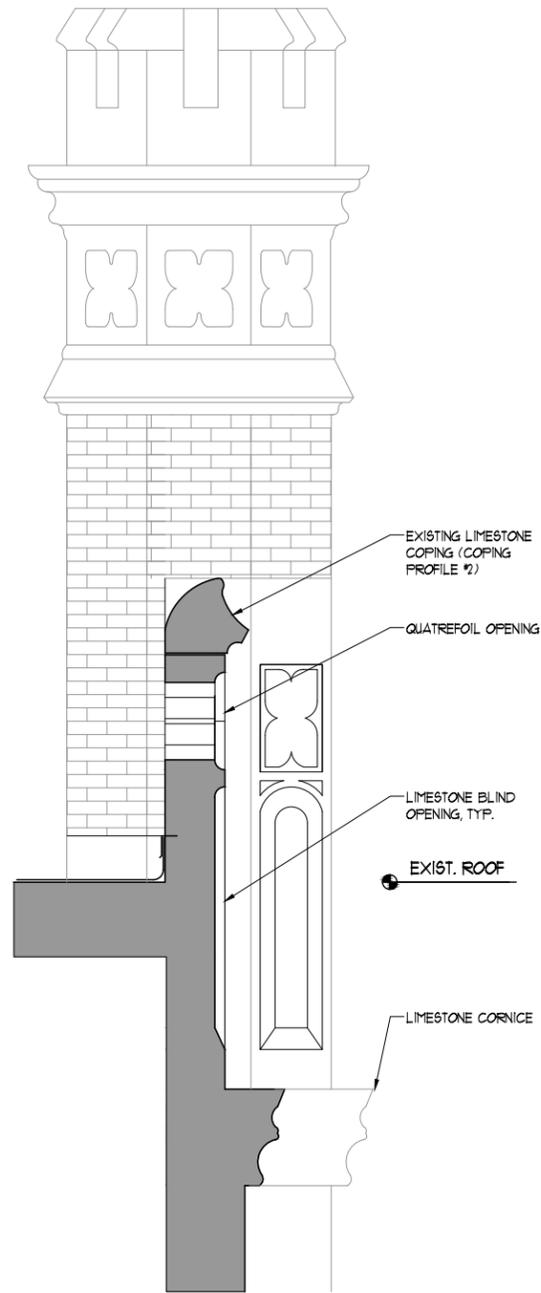


PROPOSED - WEST END AVE. PARAPET KEY

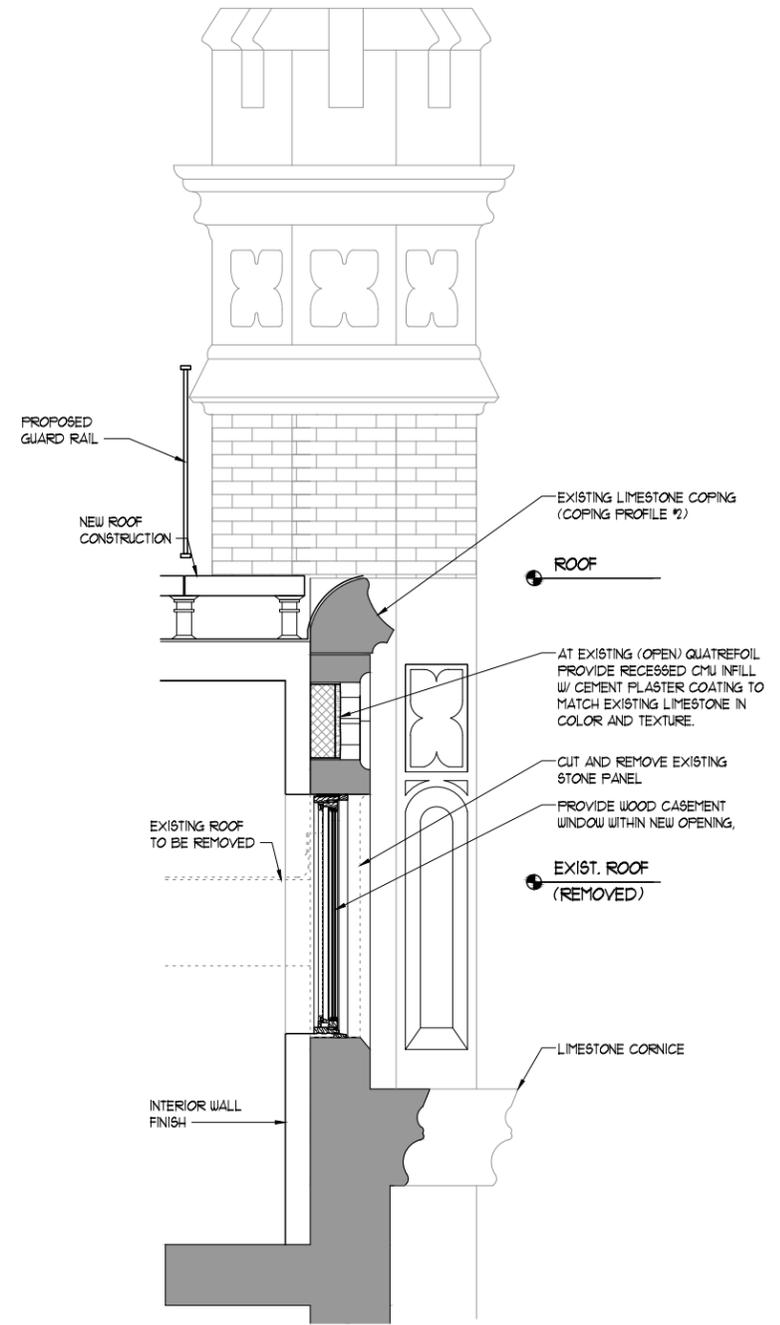


LIMESTONE COPING (COPING PROFILE #2)

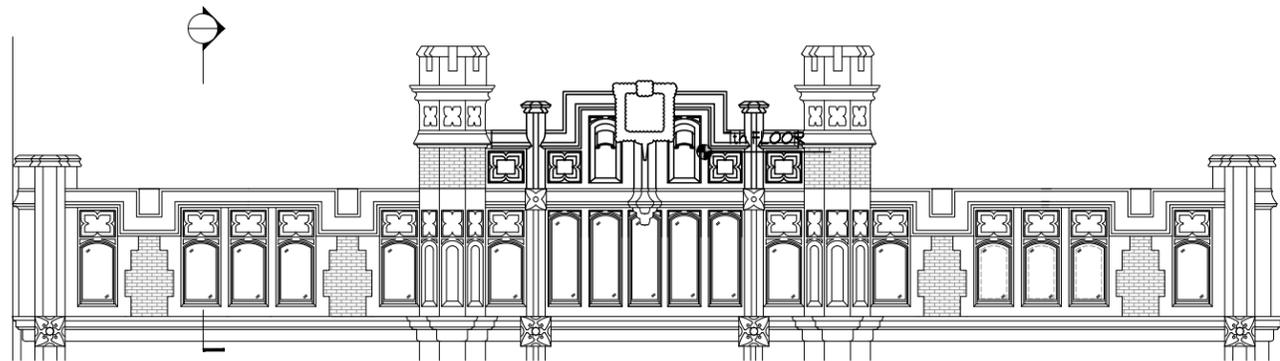
EXISTING CONDITION @ PARAPET



E3 EXISTING PARAPET SECTION
3/4" = 1'-0"



P3 PROPOSED PARAPET SECTION @ EXISTING PARAPET TO REMAIN
3/4" = 1'-0"

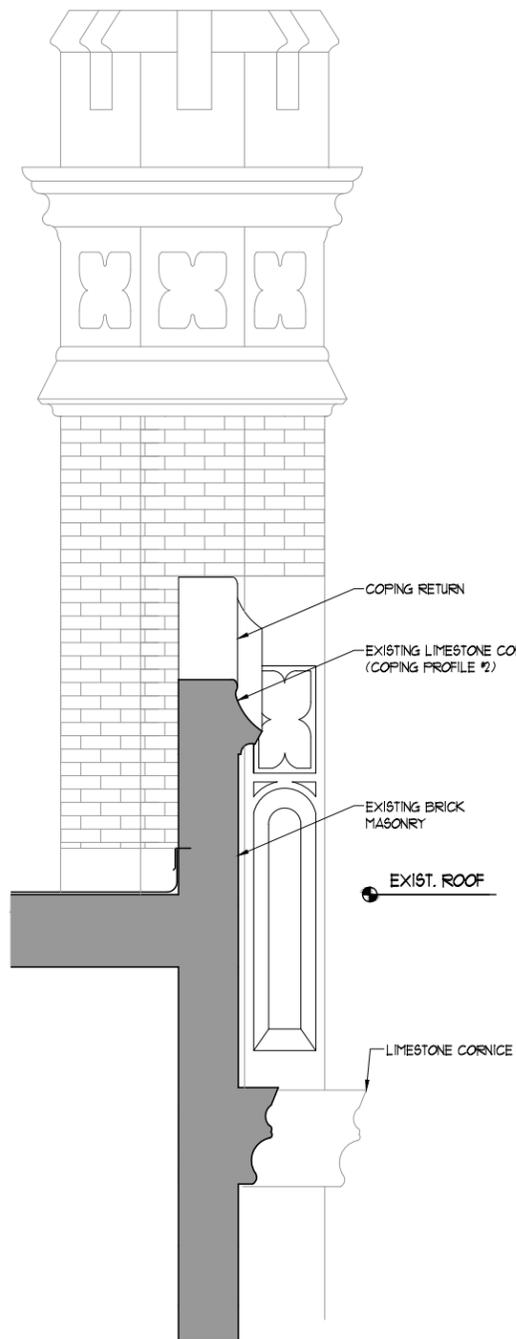


WEST END AVE. PARAPET KEY

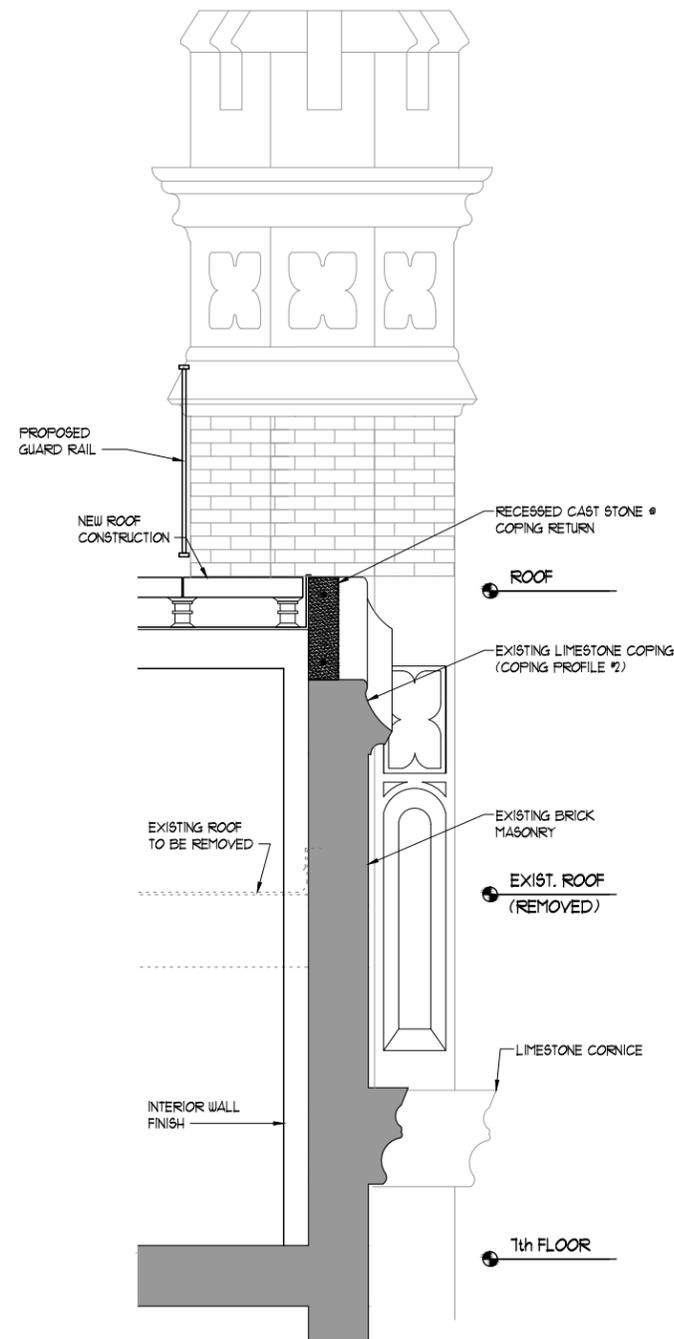


LIMESTONE COPING RETURN

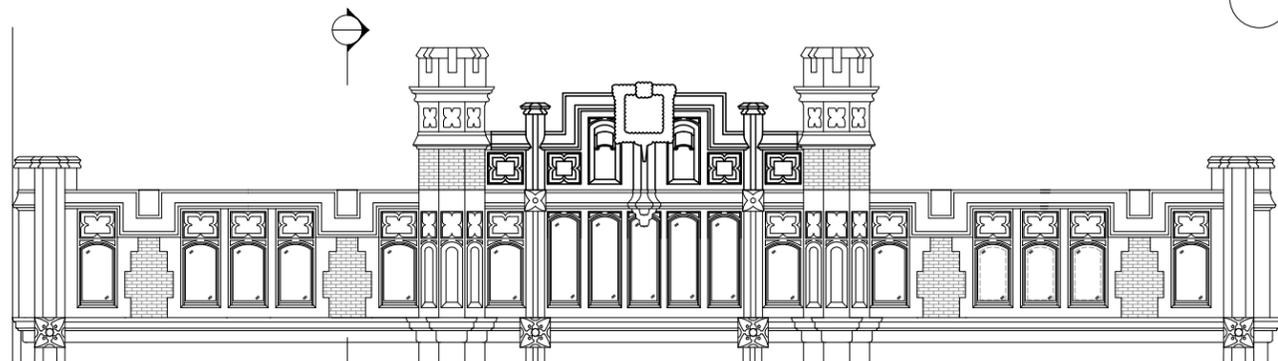
EXISTING CONDITION @ PARAPET



E4 EXISTING PARAPET SECTION
3/4" = 1'-0"



P4 PROPOSED PARAPET SECTION
@ EXISTING PARAPET TO REMAIN
3/4" = 1'-0"

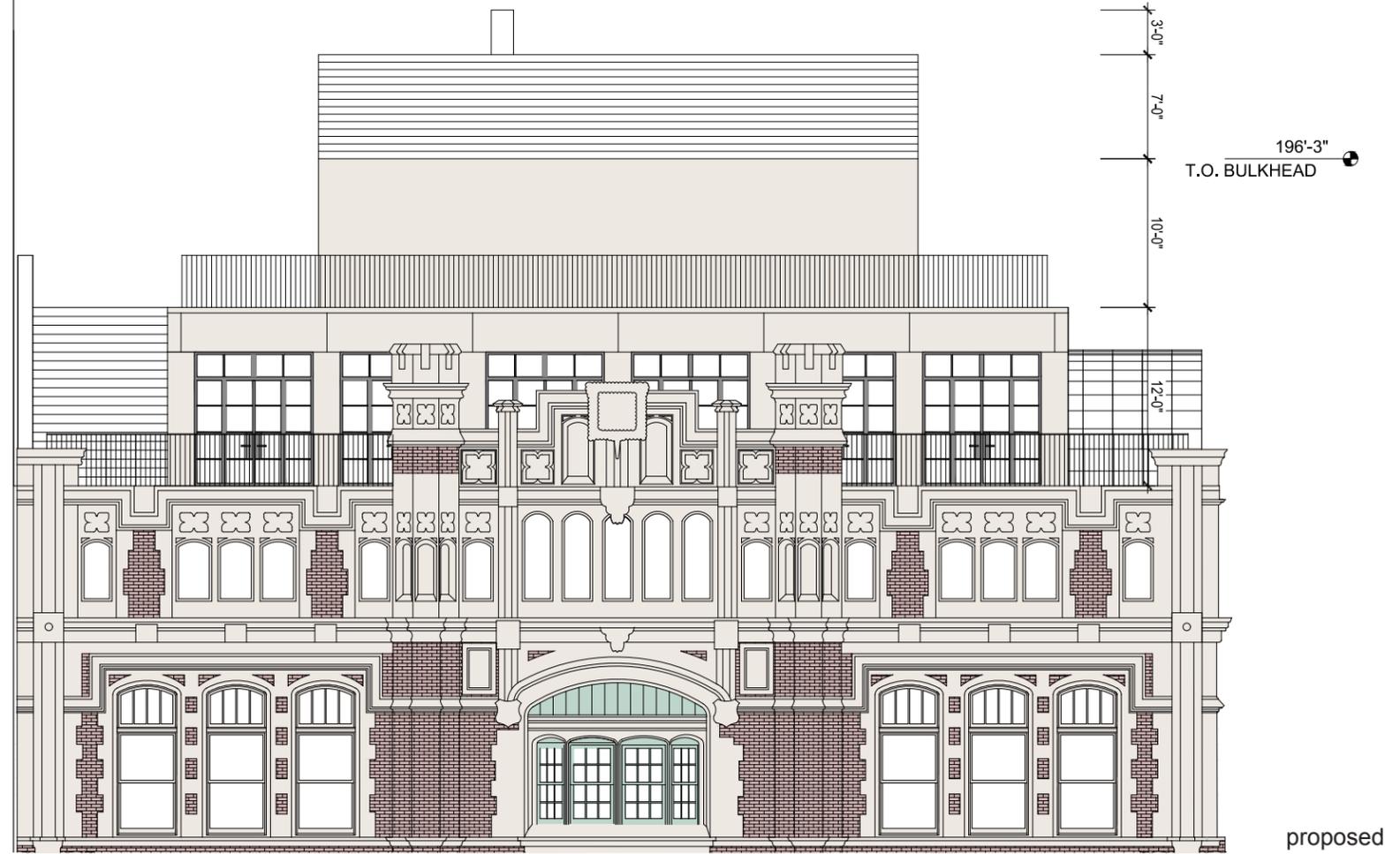


WEST END AVE. PARAPET KEY

555 West End Avenue, NYC

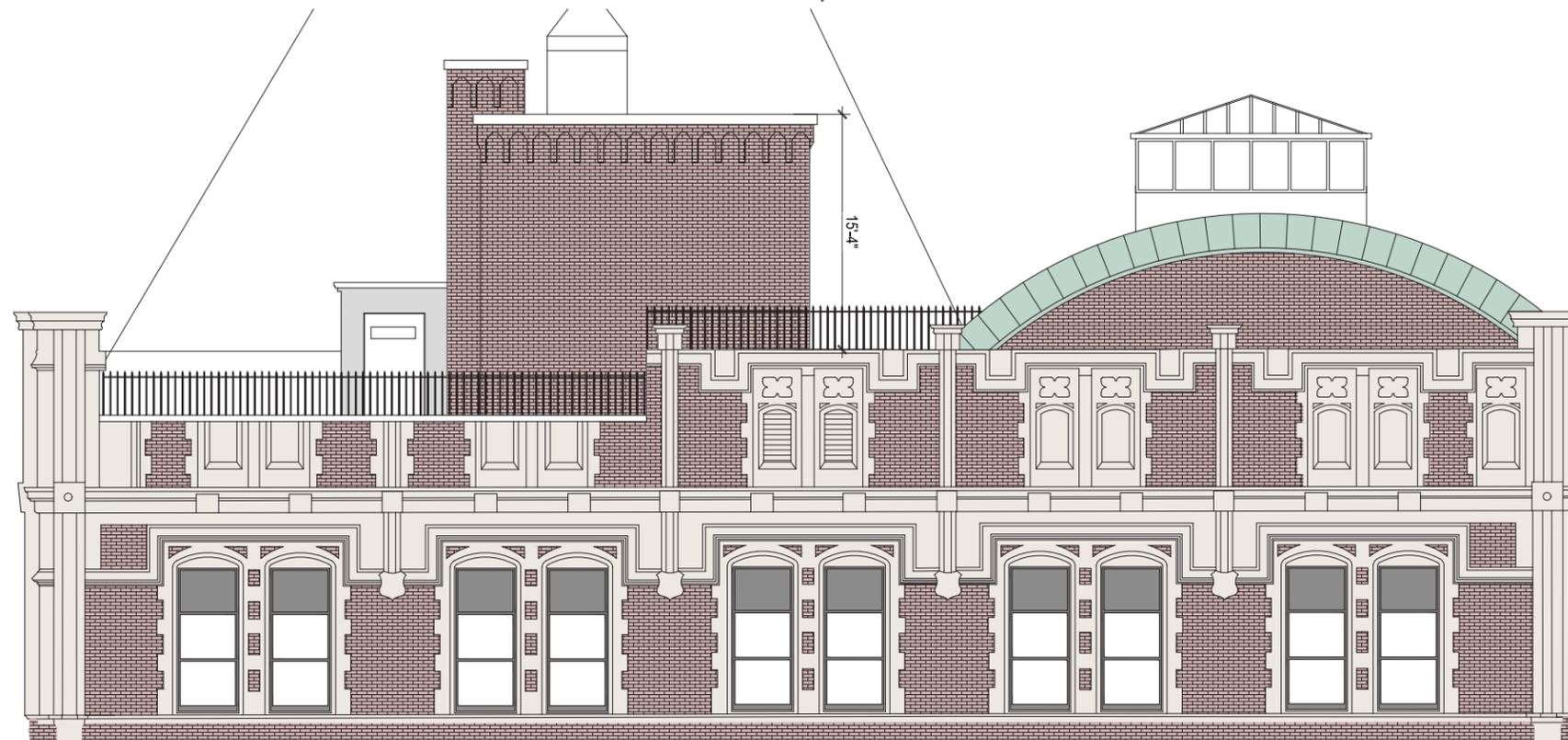


existing

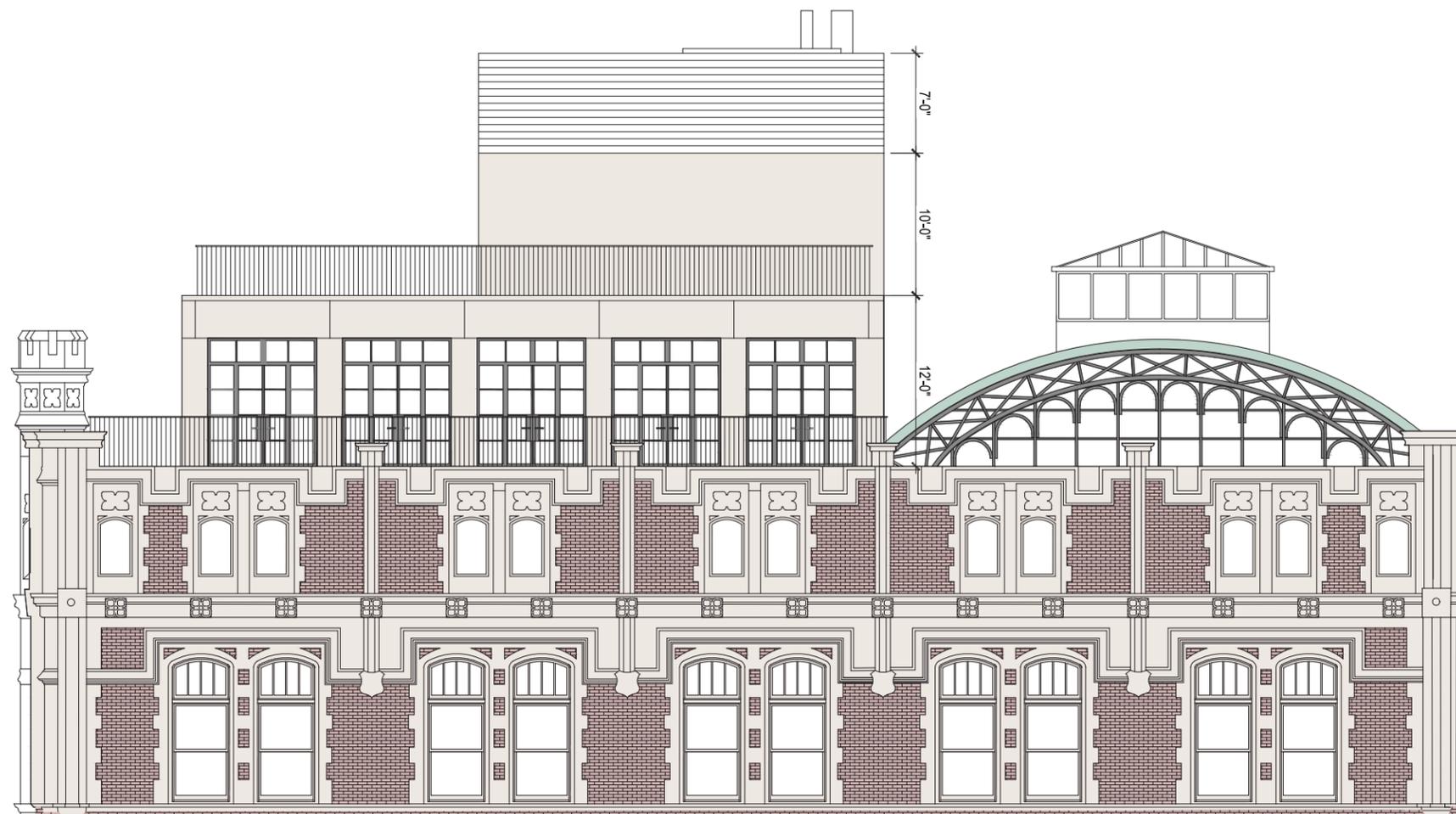


proposed

Enlarged Elevations - West End Avenue



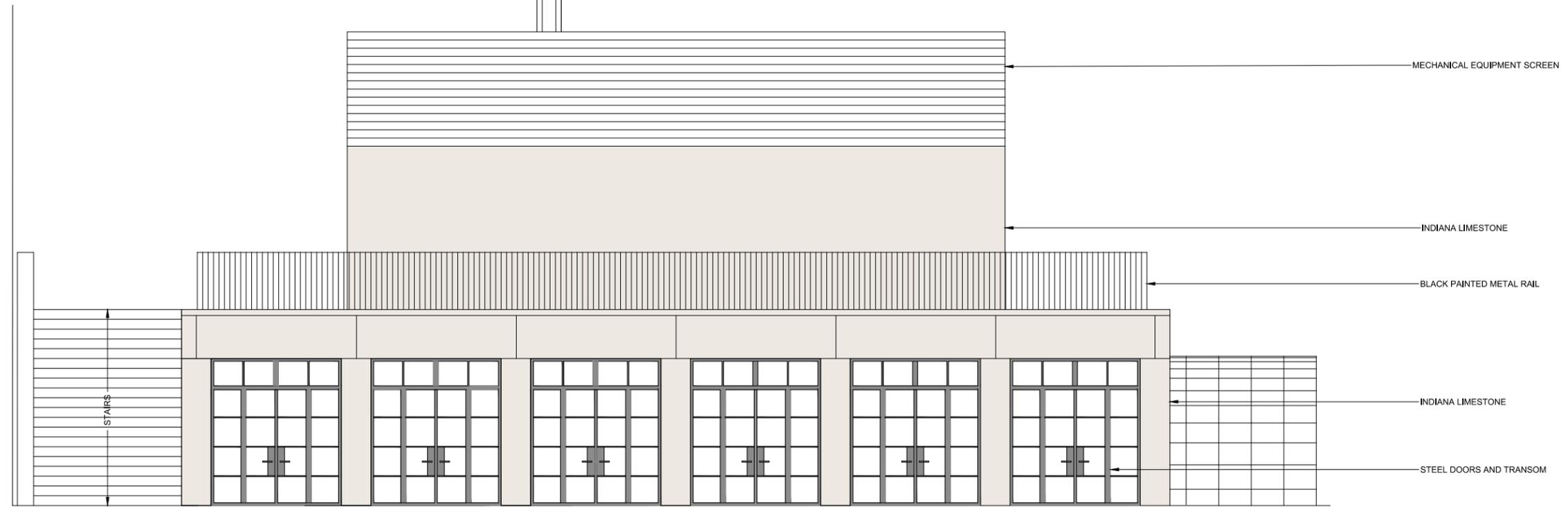
existing



proposed

Enlarged Elevations - 87th Street

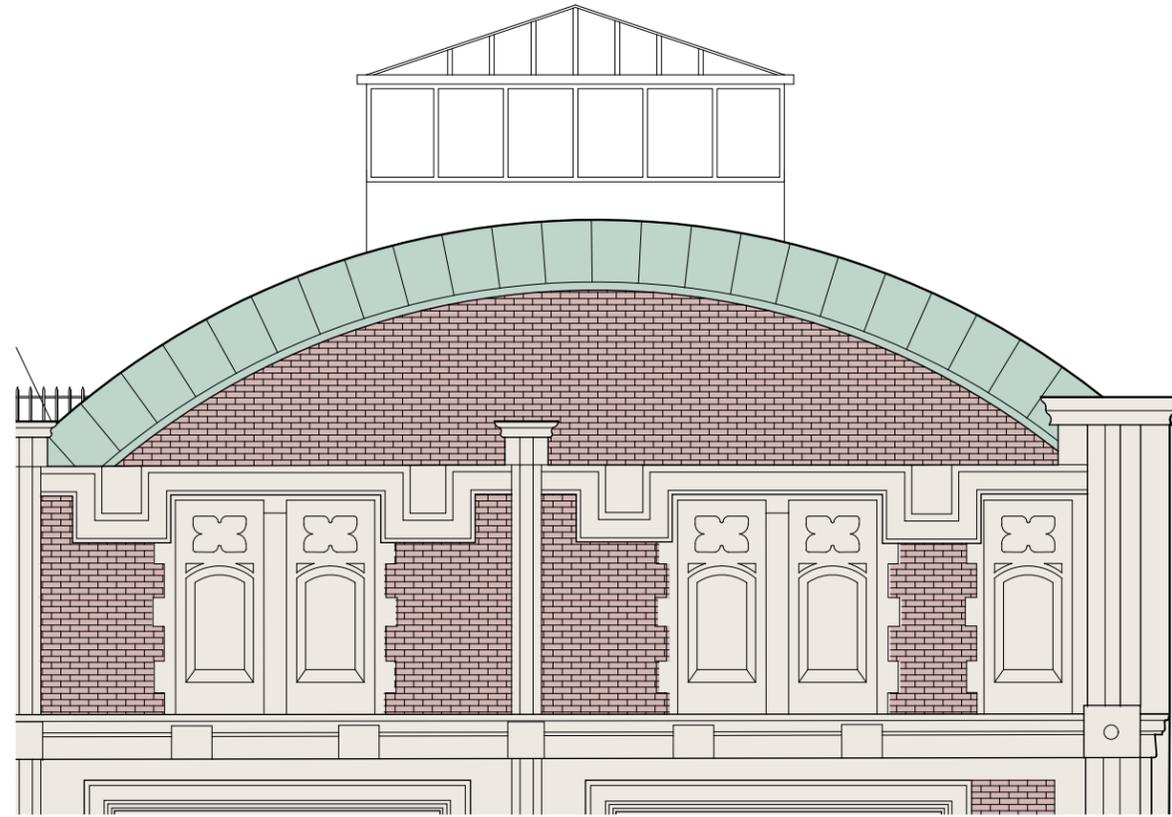
Tamarkin Co



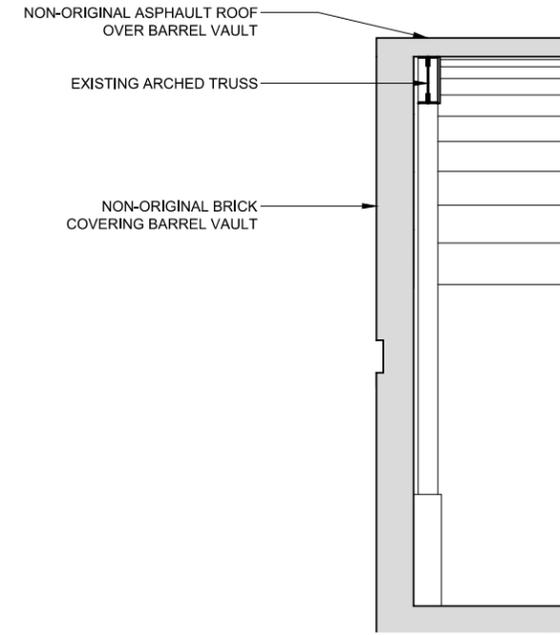
West End Avenue roof top addition elevation



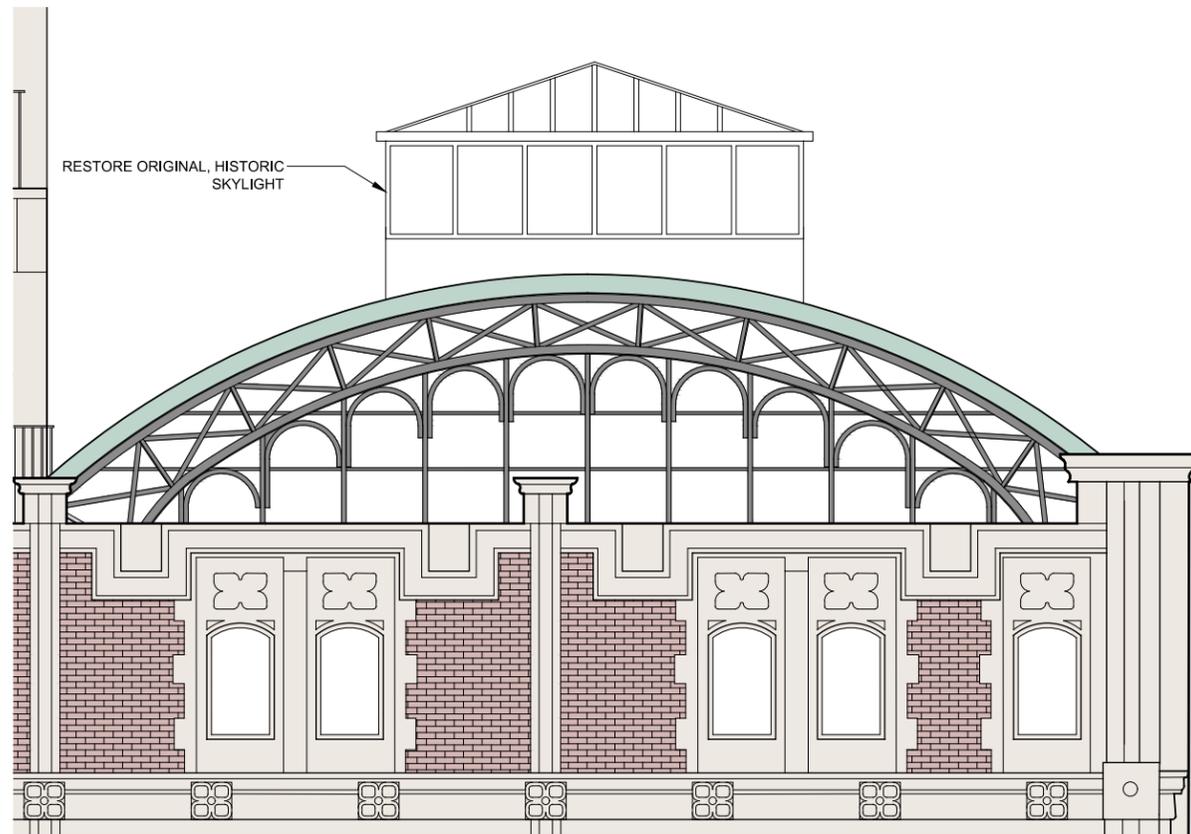
87th Street roof top addition elevation



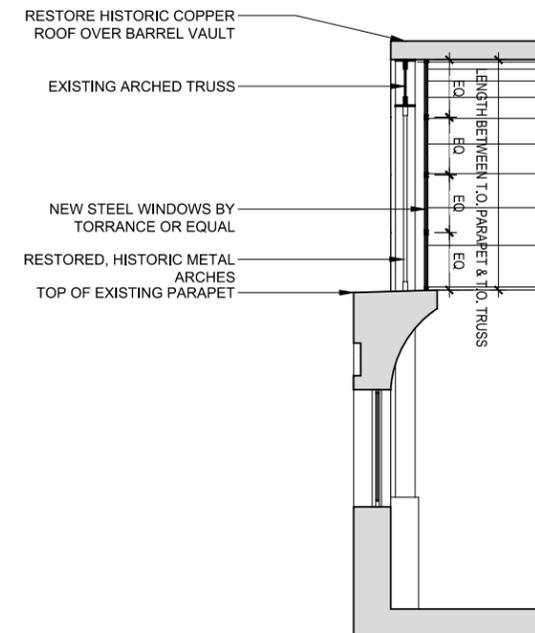
existing



existing

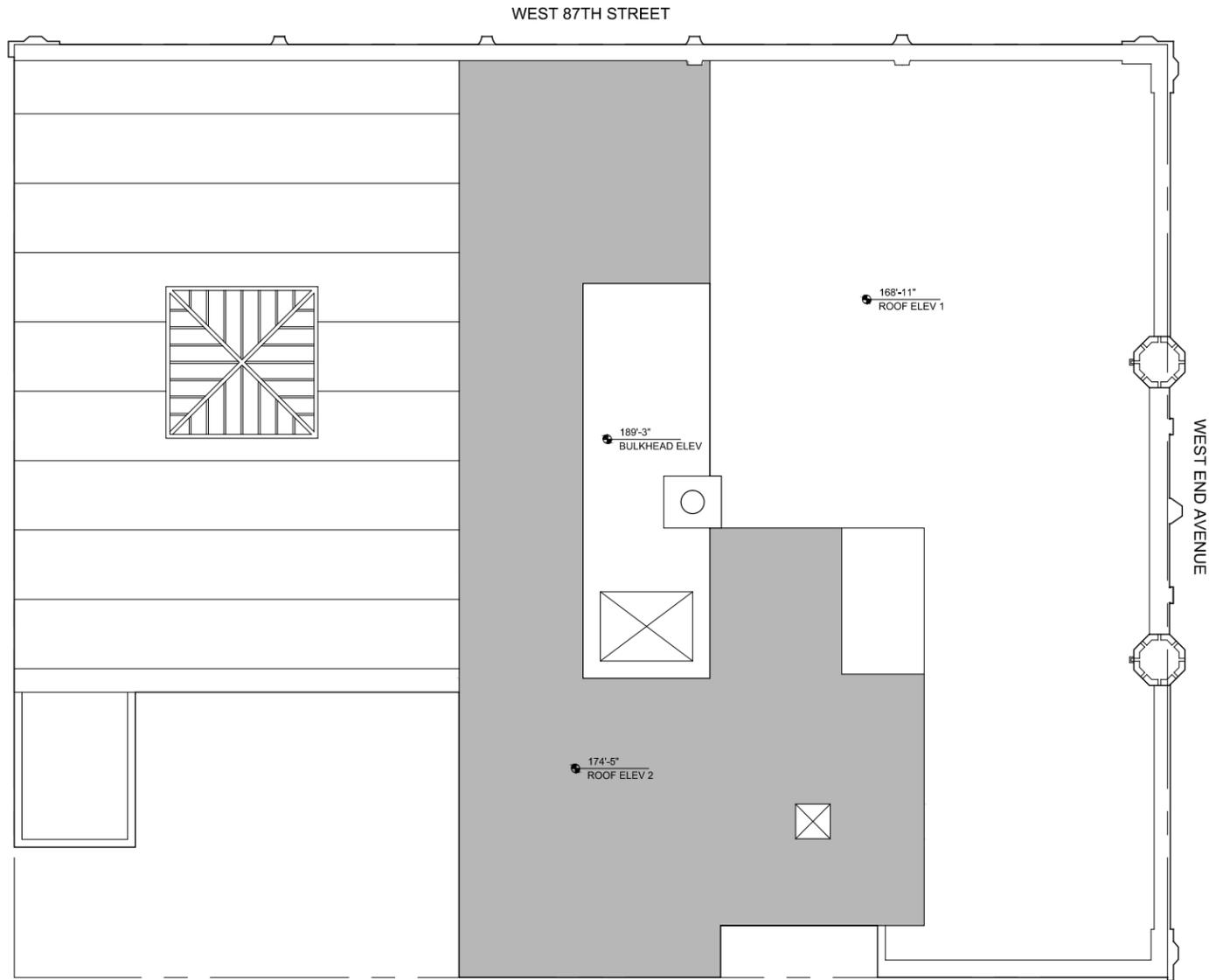


proposed

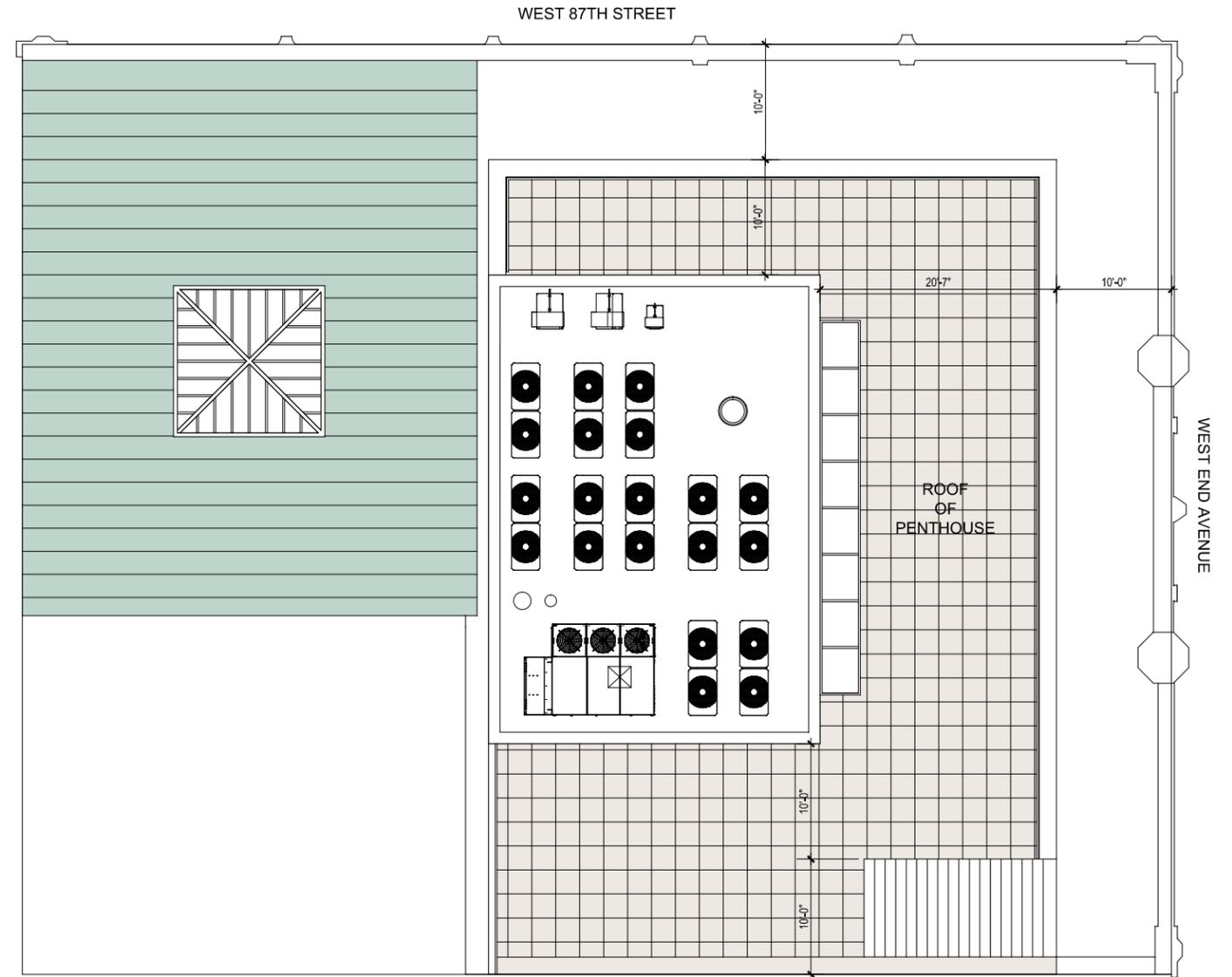


proposed

Barrel Vault Restoration
 Tamarkin Co

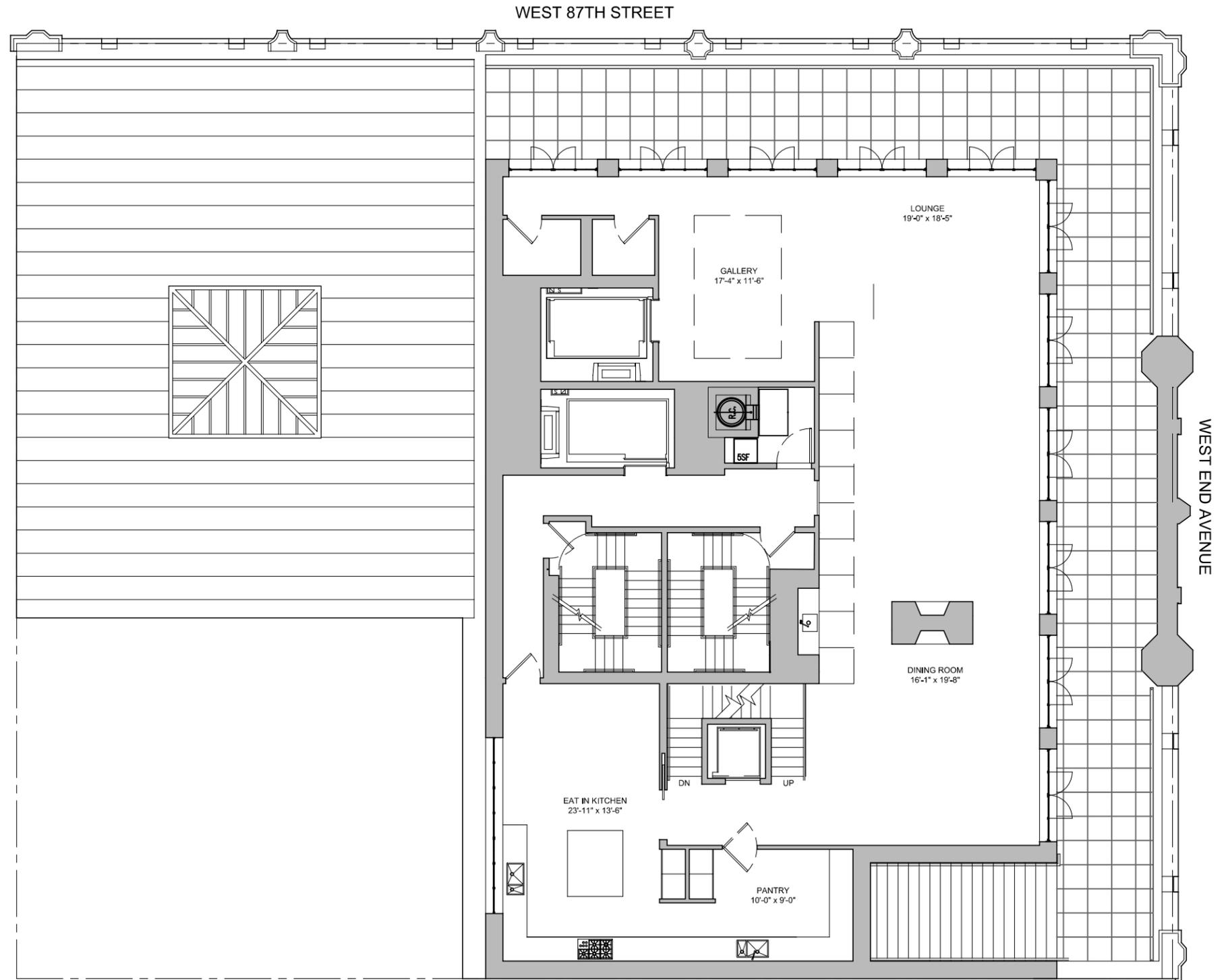


Existing



Proposed

Existing and Proposed Roof Plans

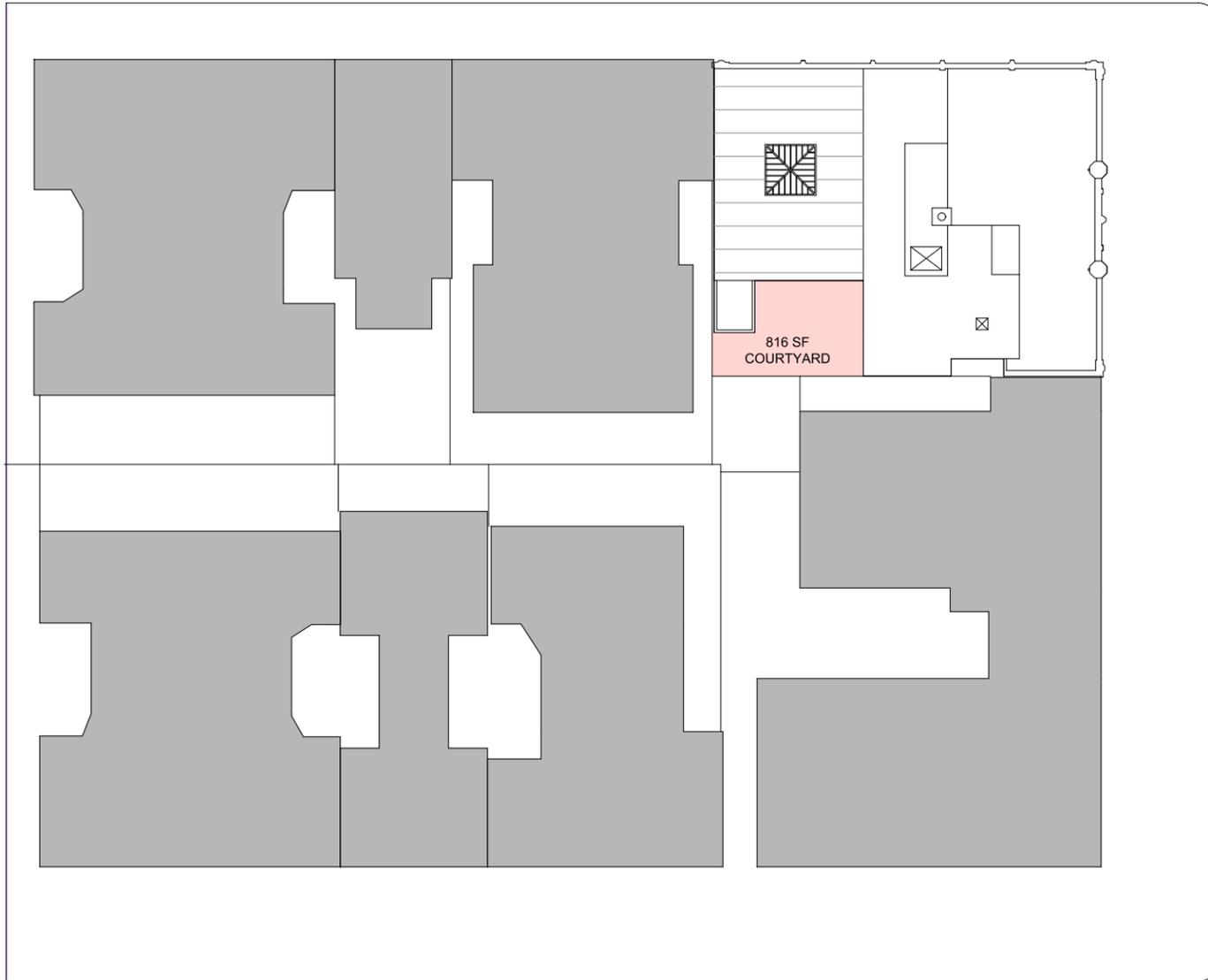


Proposed Roof Top Addition Plan

Tamarkin Co

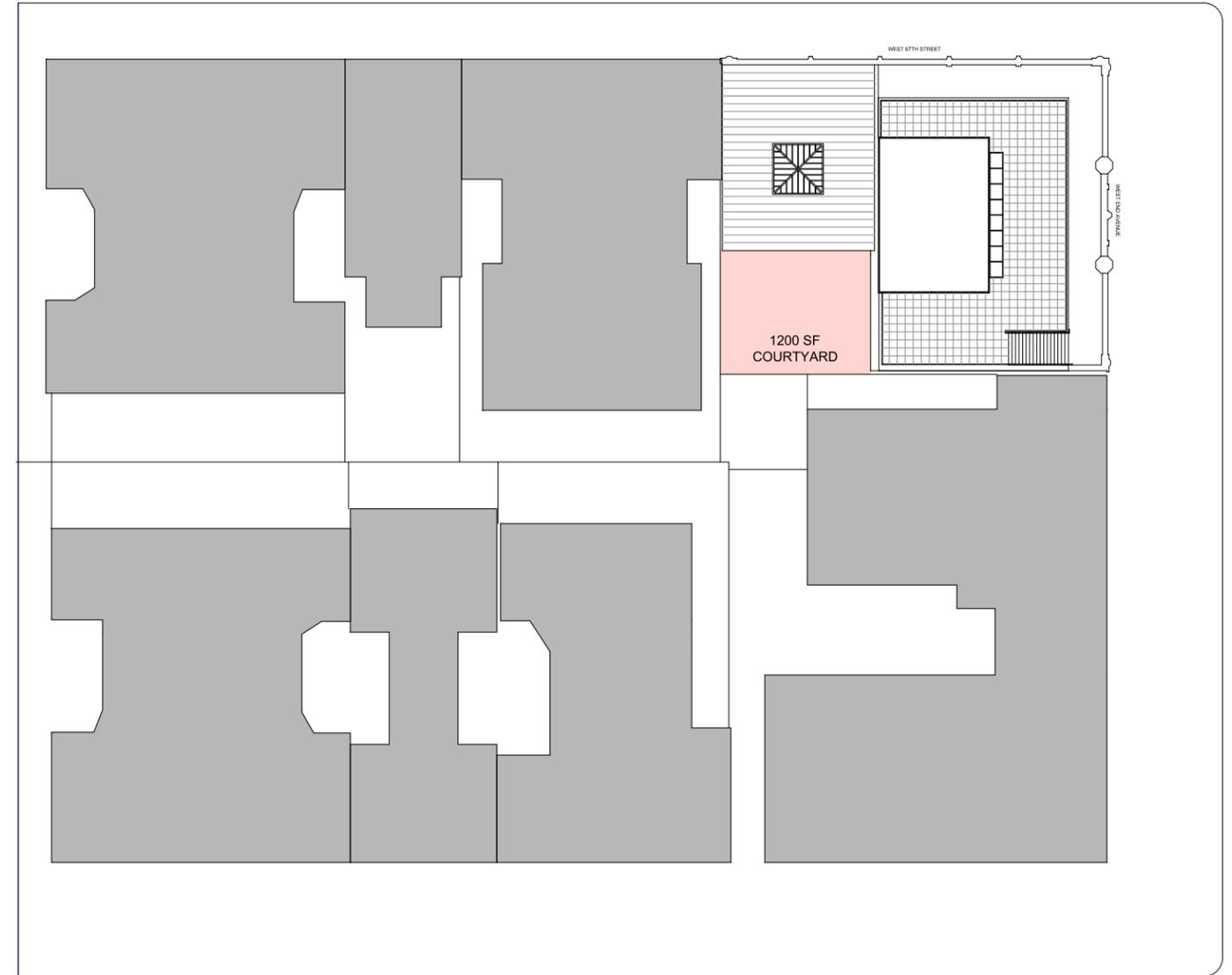
Rear Courtyard Alterations

WEST 87TH STREET



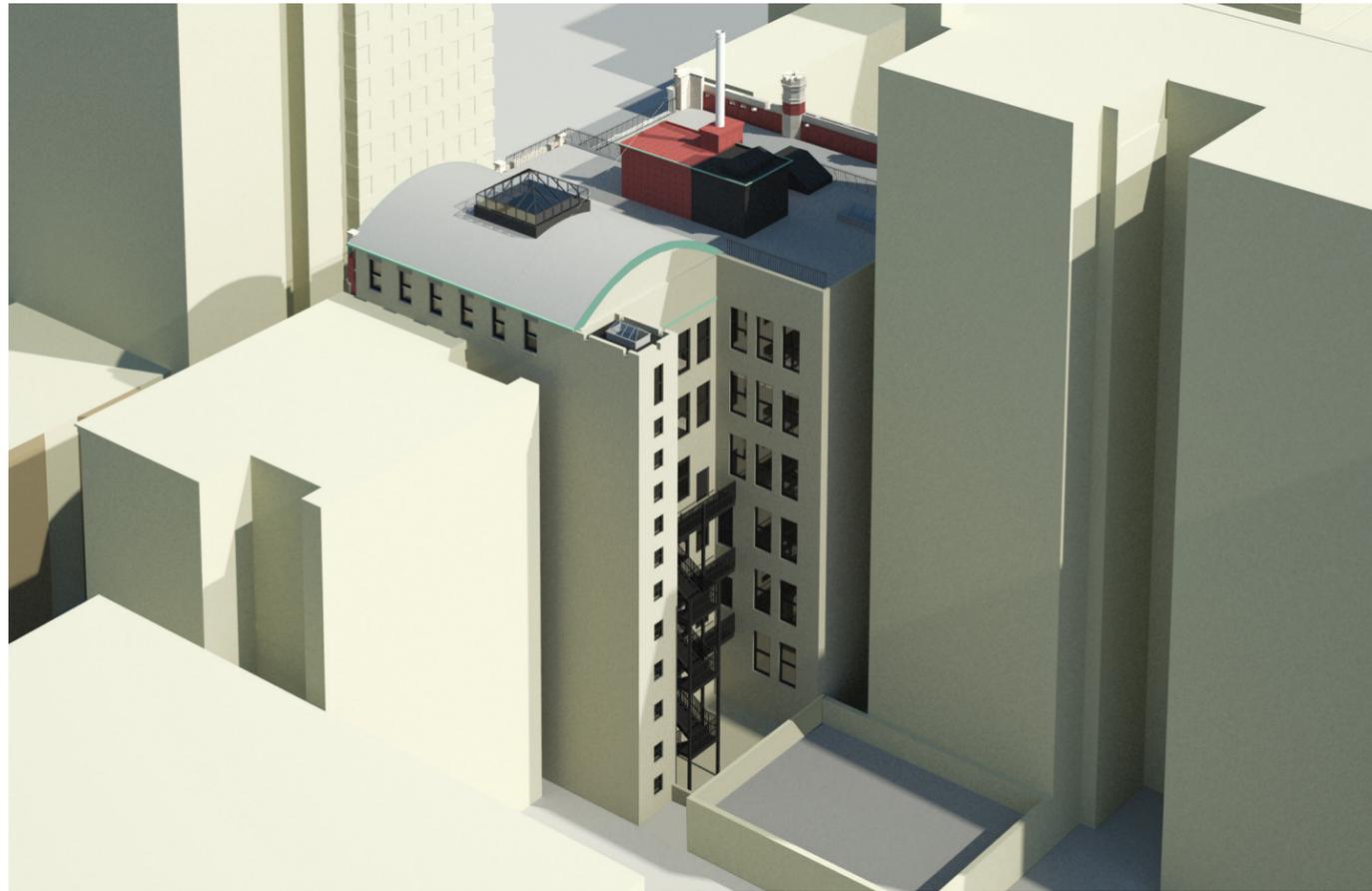
Existing

WEST 87TH STREET



Proposed

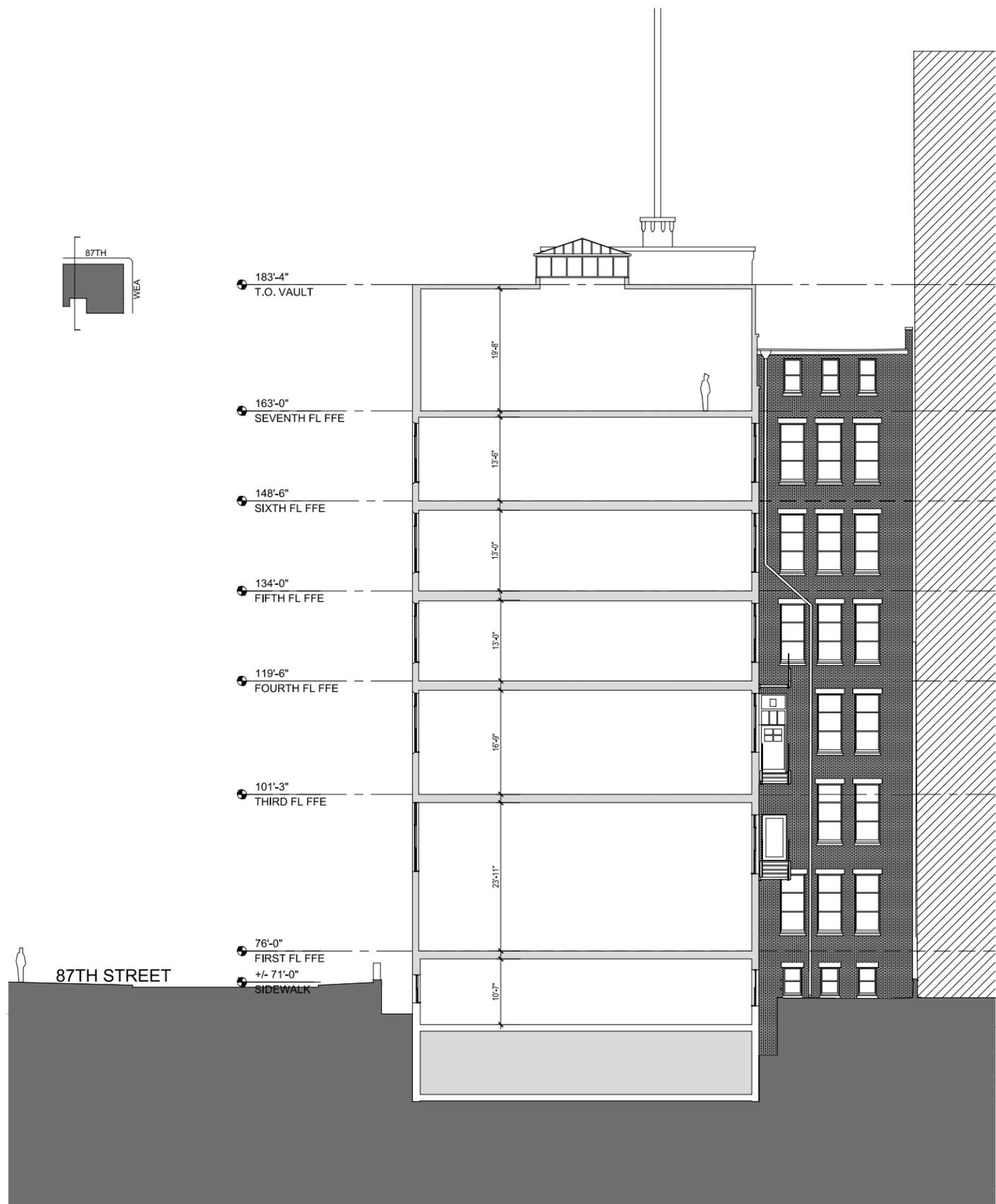
Existing, under-sized courtyard enlarged to 1200 sf with a 30 foot minimum dimension to comply with Zoning Resolution Section 23-851



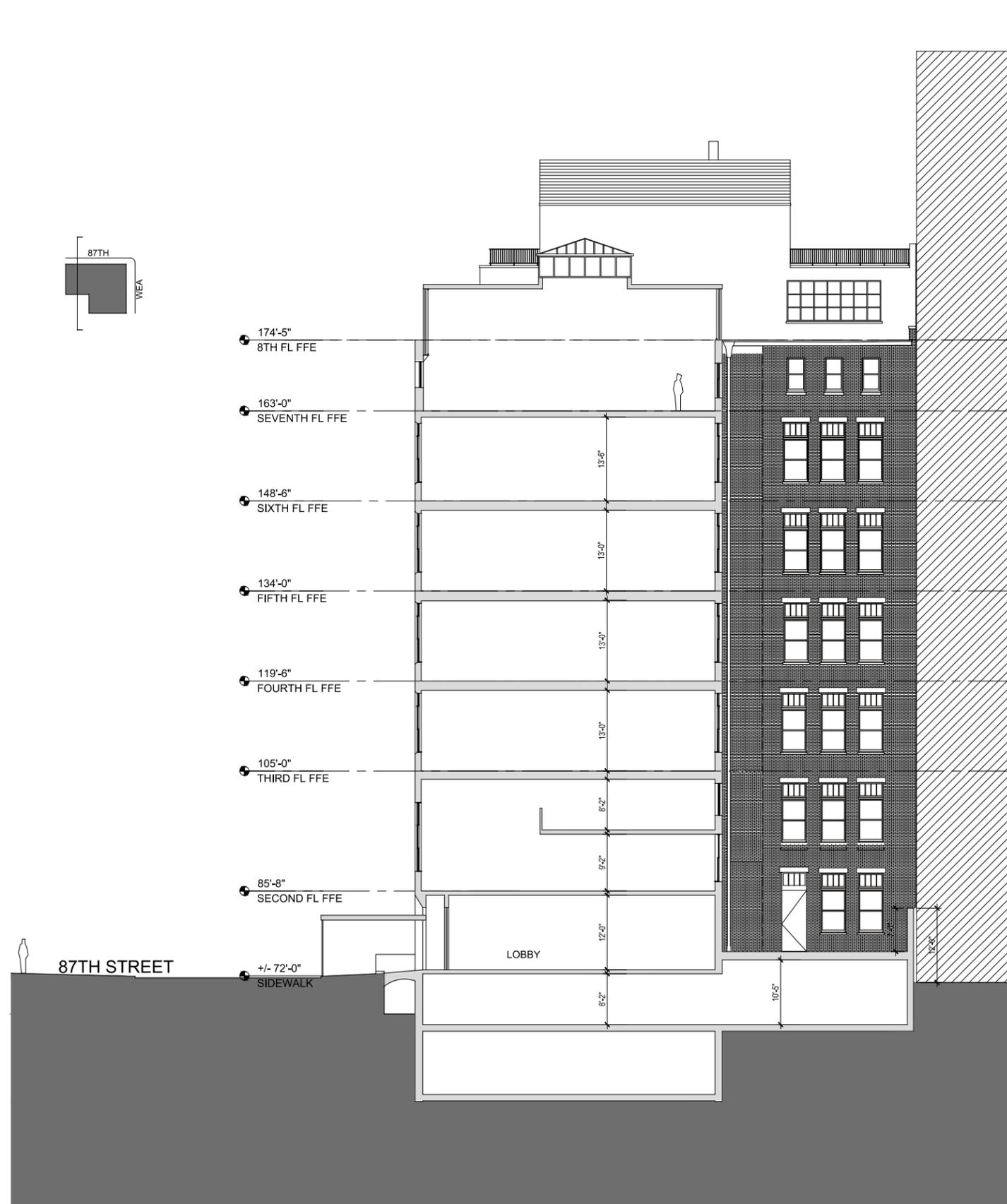
Existing



Proposed



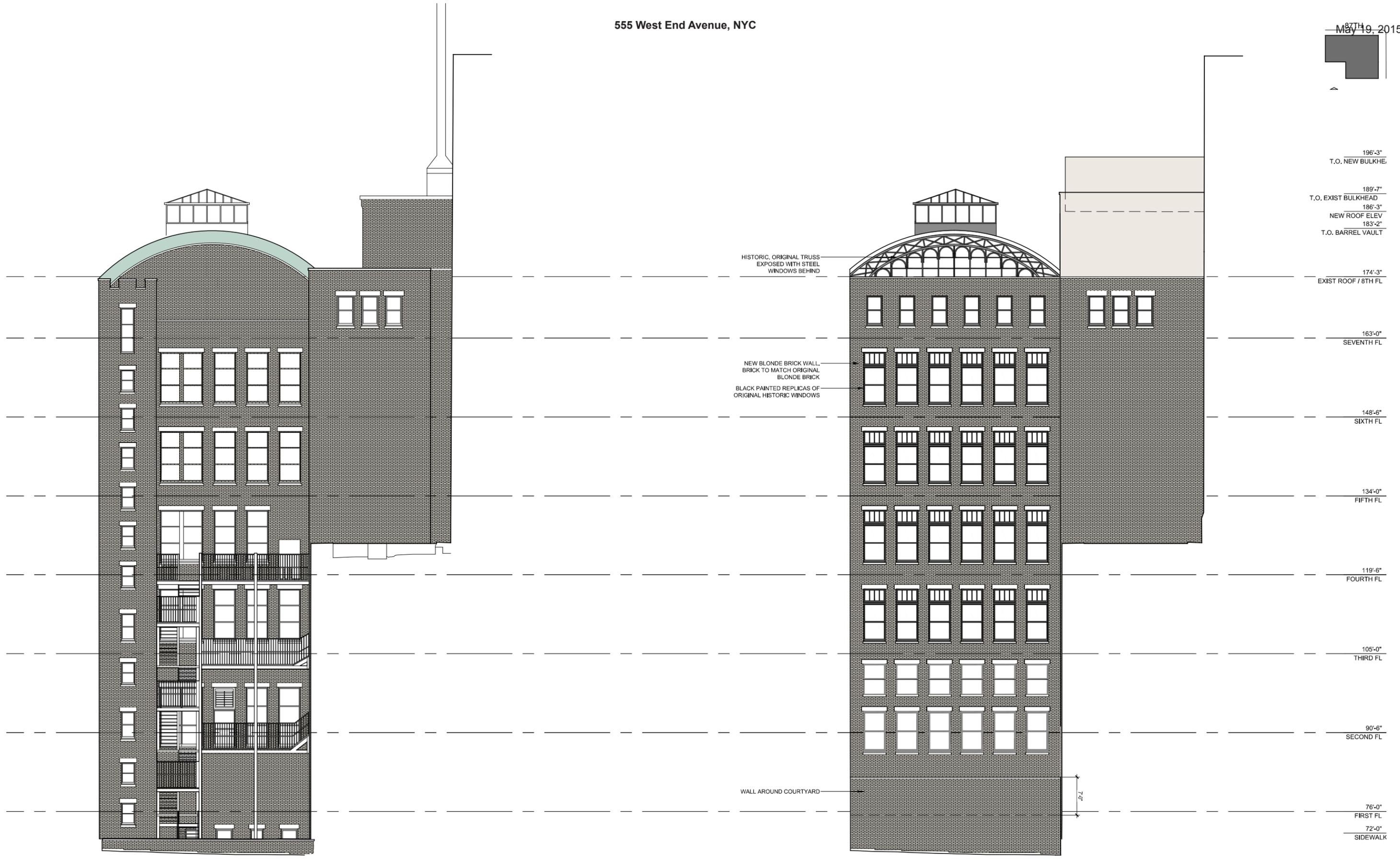
Existing



Proposed

Section Through Courtyard

Tamarkin Co



Existing

South Courtyard Elevation

Tamarkin Co

Proposed



203'-3"
T.O. EQUIP SCREEN

196'-3"
T.O. NEW BULKHEAD

189'-7"
T.O. EXIST BULKHEAD

186'-3"
NEW ROOF ELEV

183'-2"
T.O. BARREL VAULT

174'-3"
EXIST ROOF / 8TH FL

163'-0"
SEVENTH FL

148'-6"
SIXTH FL

134'-0"
FIFTH FL

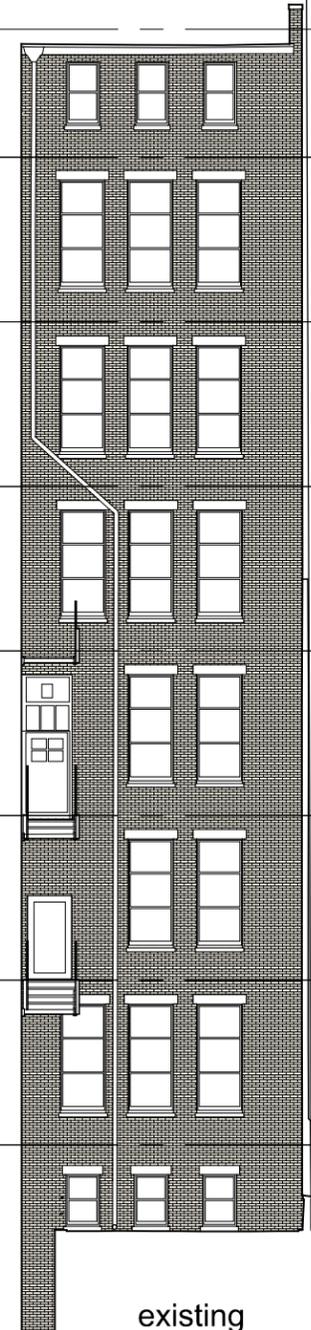
119'-6"
FOURTH FL

105'-0"
THIRD FL

90'-6"
SECOND FL

76'-0"
FIRST FL

72'-0"
SIDEWALK



existing

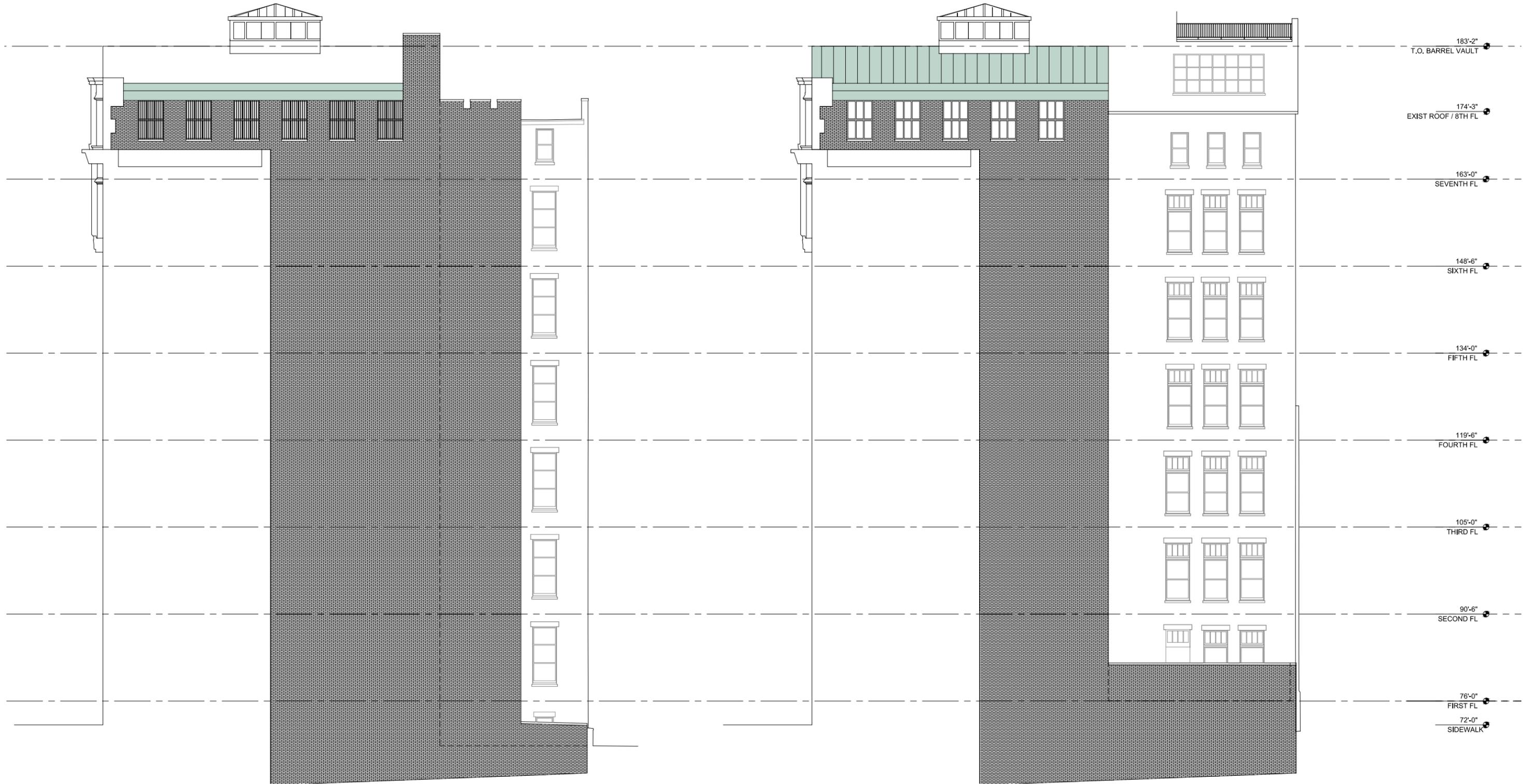


proposed

West Courtyard Elevation

Tamarkin Co

West Elevation of Existing Building



Existing

Tamarkin Co

Proposed

Visibility Studies



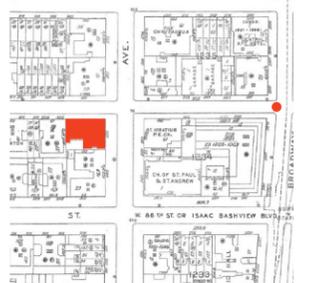
Existing



Mock-Up



Proposed





Existing

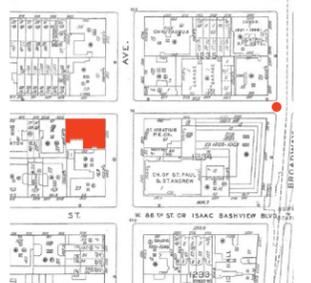


Mock-Up



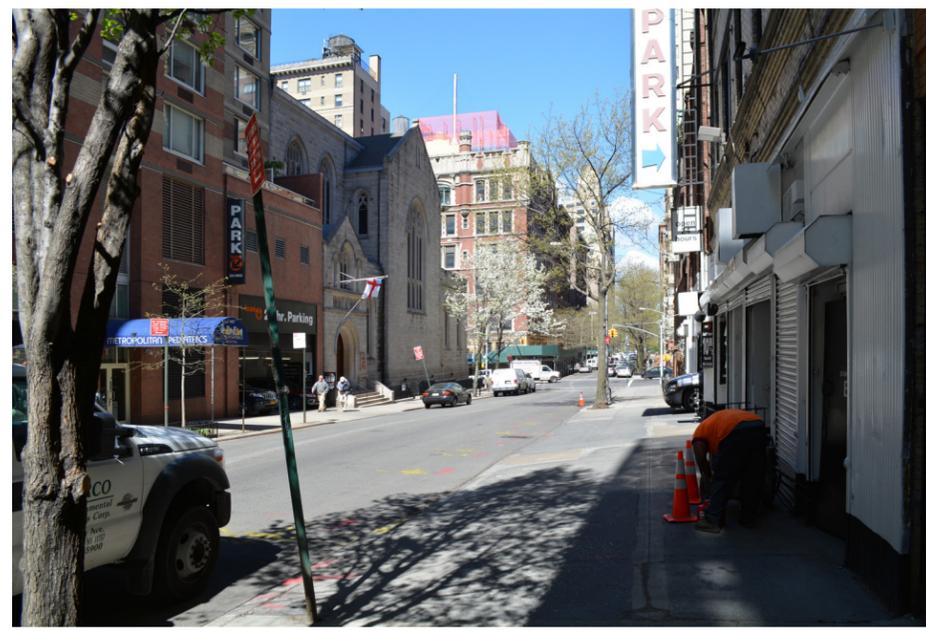
Proposed

Zoomed View from Broadway
Tamarkin Co

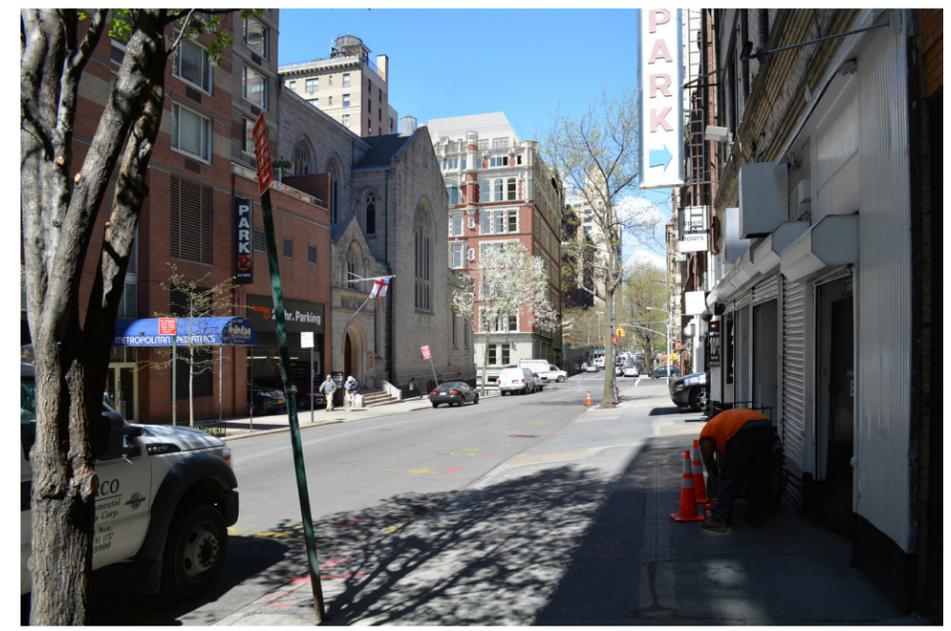




Existing



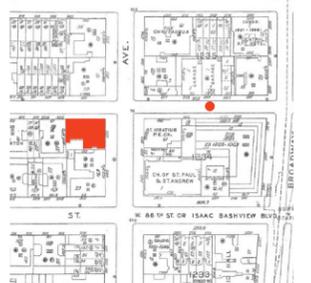
Mock-Up



Proposed

View from 87th, East of site

Tamarkin Co

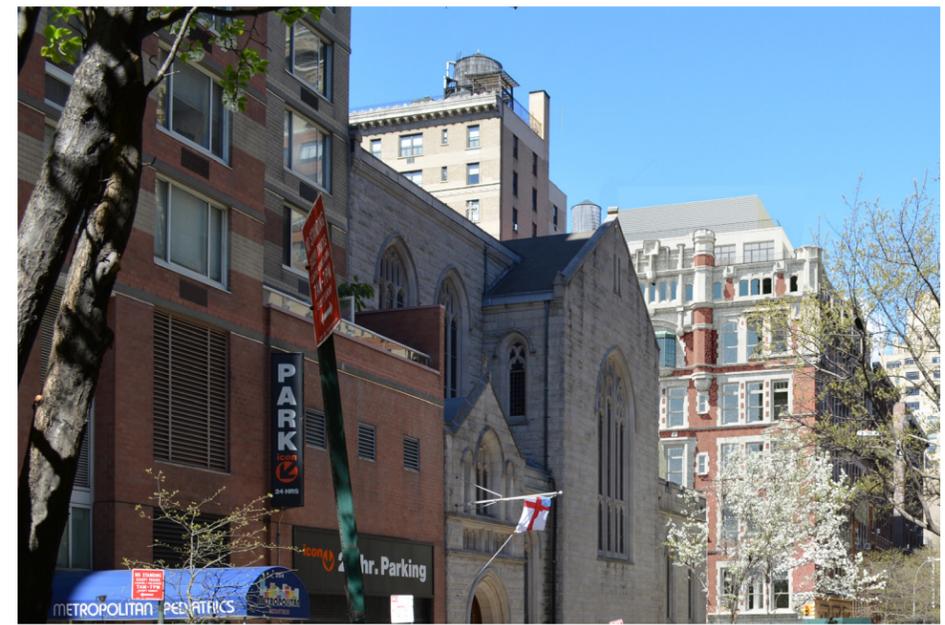




Existing



Mock-Up



Proposed

Zoomed View from 87th, East of site

Tamarkin Co





Existing



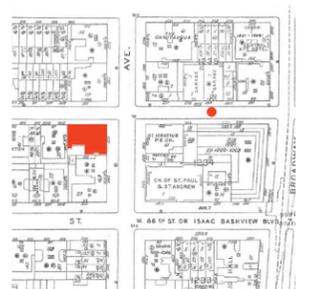
Mock-Up



Proposed

View from 87th, East of site

Tamarkin Co





Existing



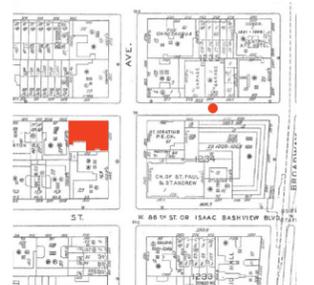
Mock-Up



Proposed

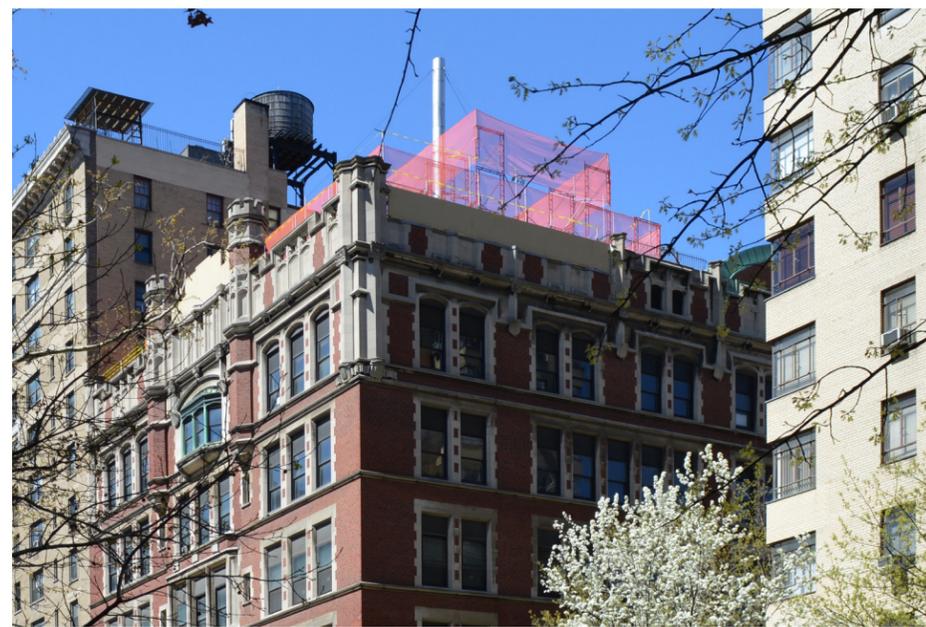
Zoomed view from 87th, East of site

Tamarkin Co

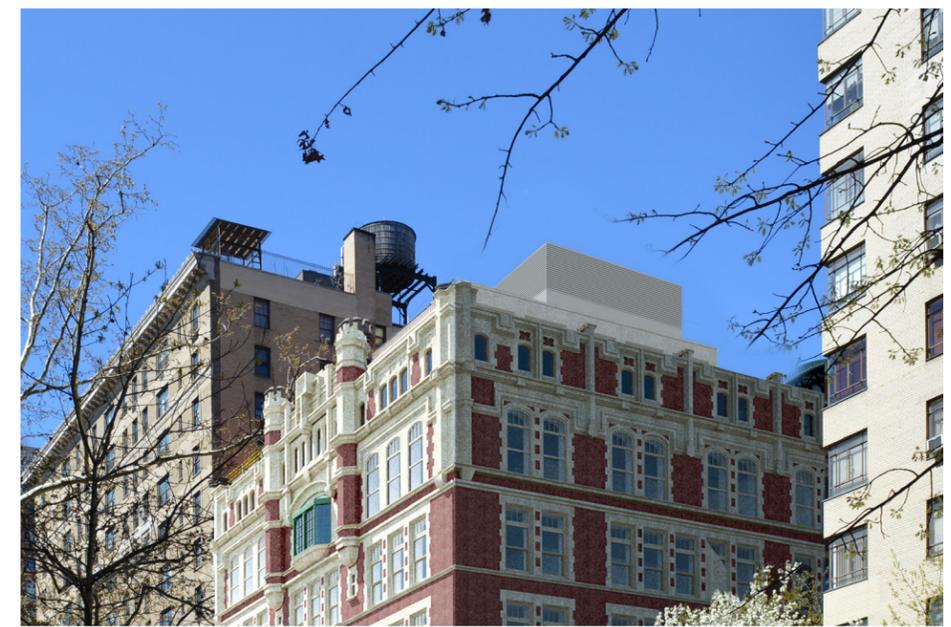




Existing



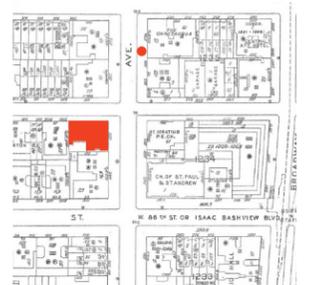
Mock-Up



Proposed

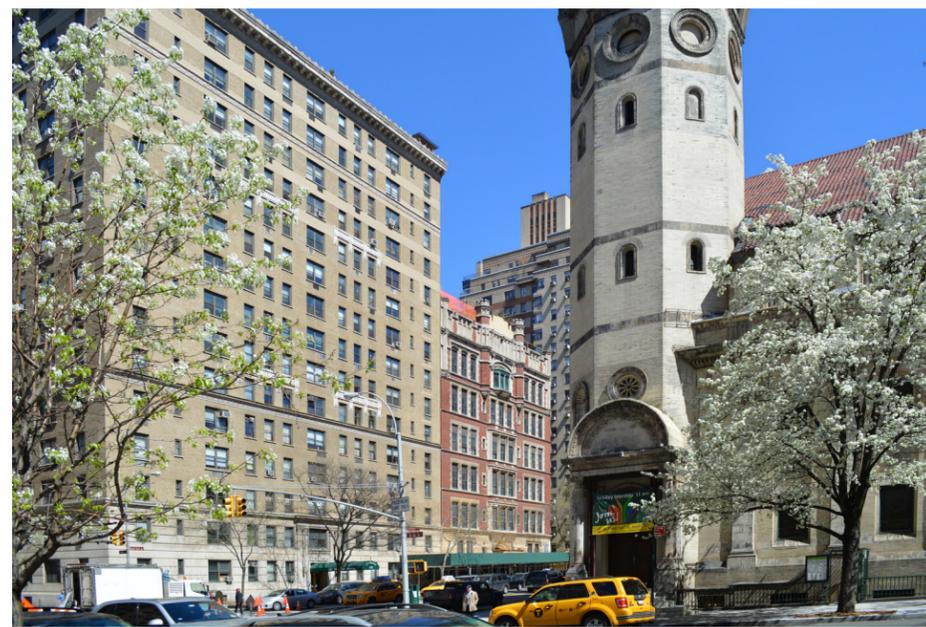
Zoomed View from WEA, North of site

Tamarkin Co

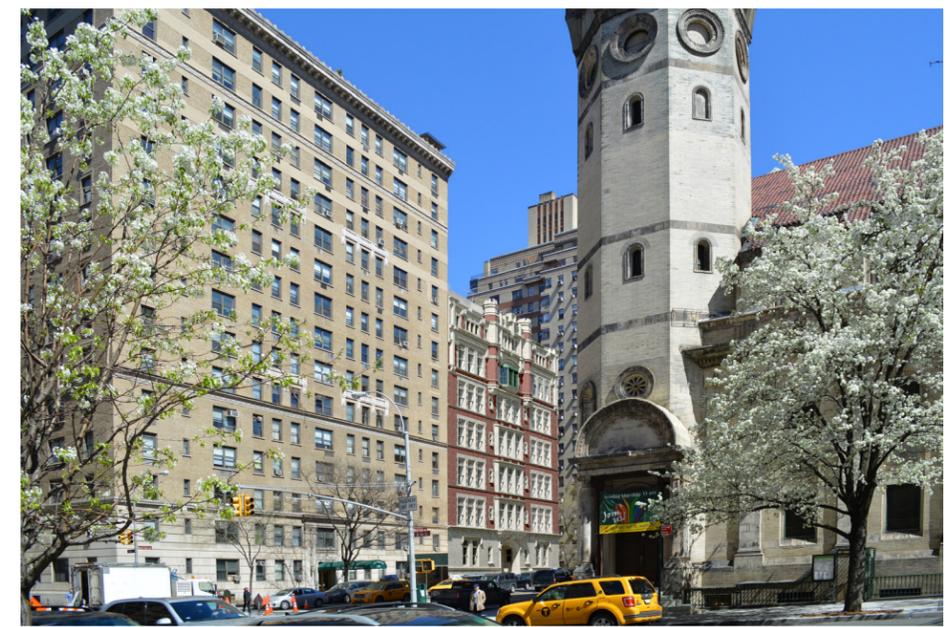




Existing



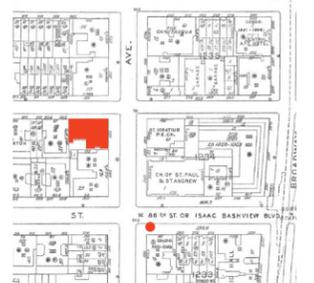
Mock-Up



Proposed

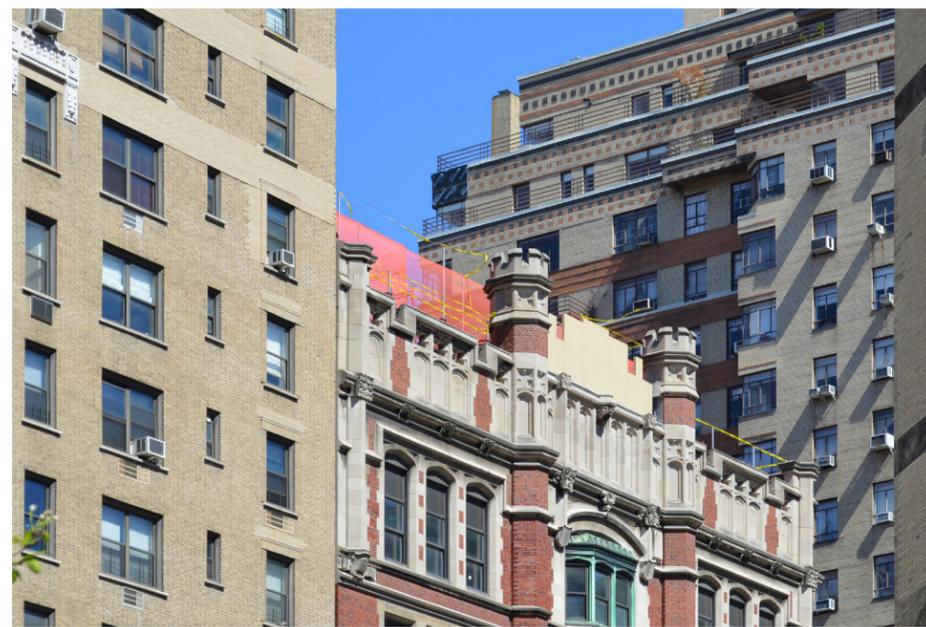
View from WEA, South of site

Tamarkin Co

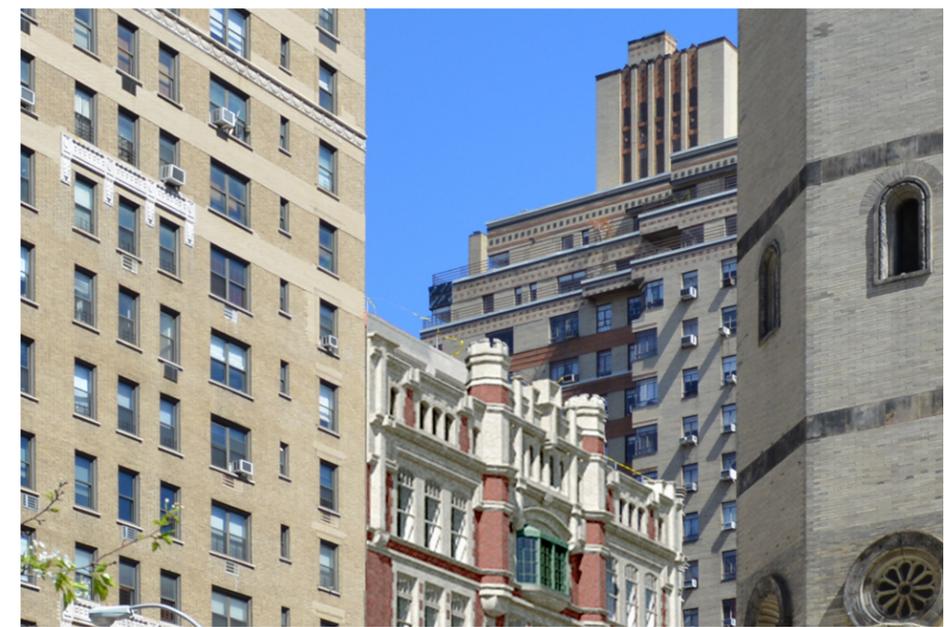




Existing



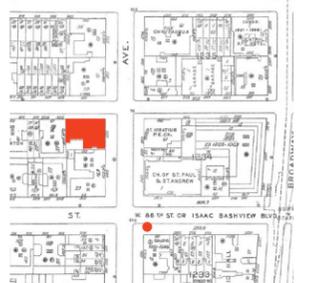
Mock-Up



Proposed

Zoomed view from WEA, South of site

Tamarkin Co





Existing



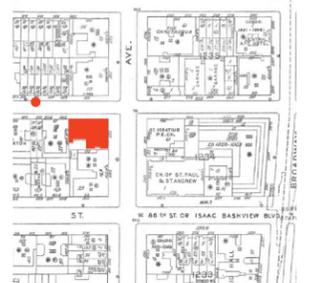
Mock-Up



Proposed

View from 87th, West of site

Tamarkin Co





Existing

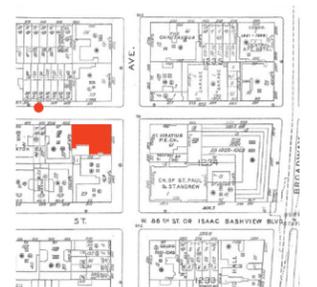


Mock-Up



Proposed

Zoomed View from 87th, West of site
Tamarkin Co





Existing



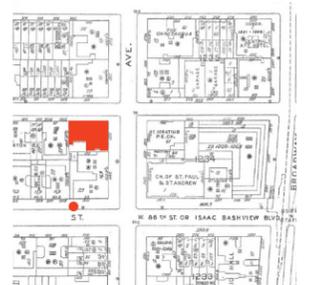
Mock-Up



Proposed

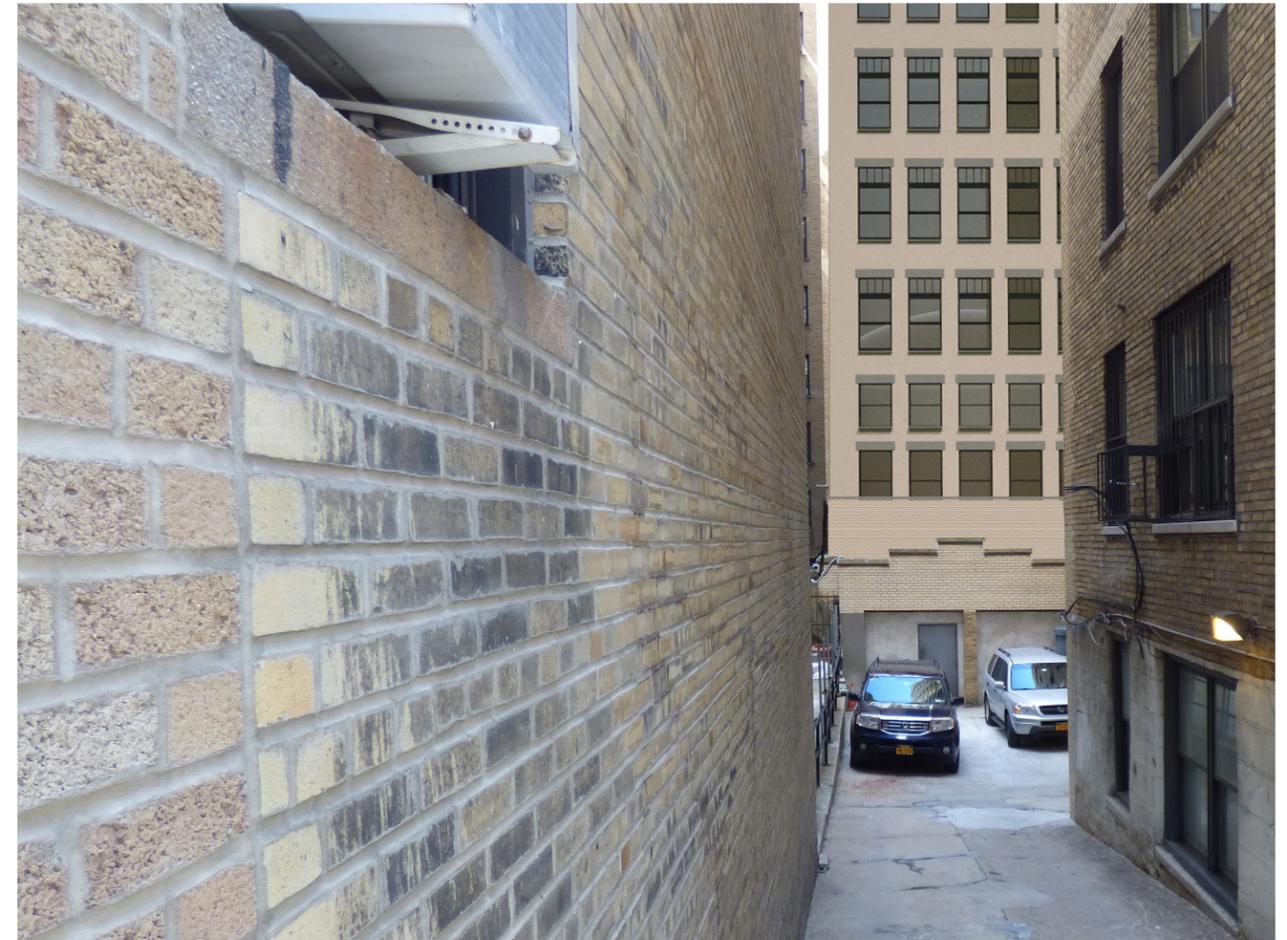
View from alley off 86th St

Tamarkin Co



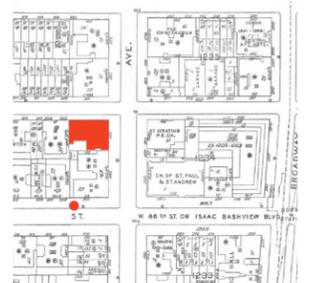


Existing

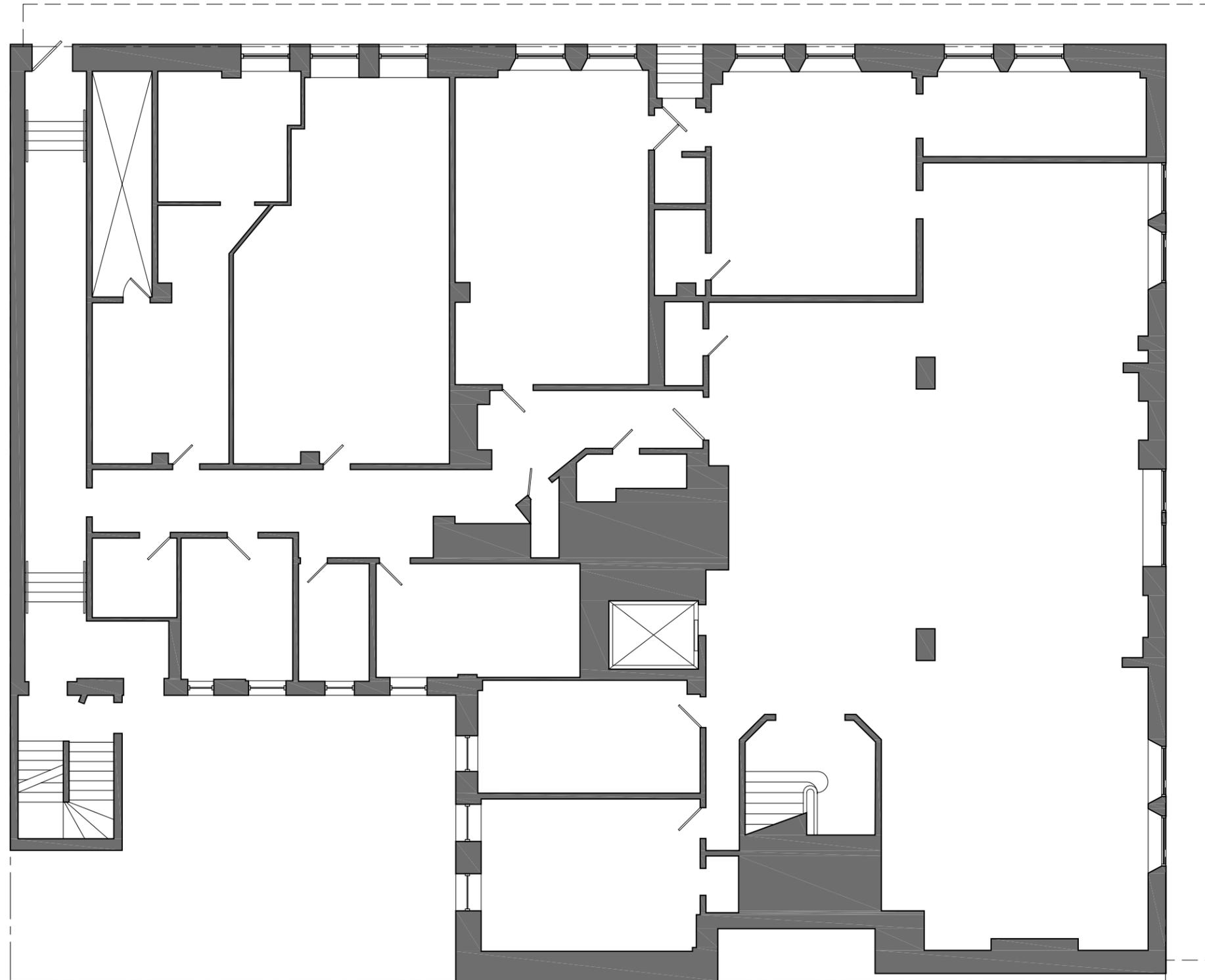


Proposed

Street view into alley off 86th St
Tamarkin Co

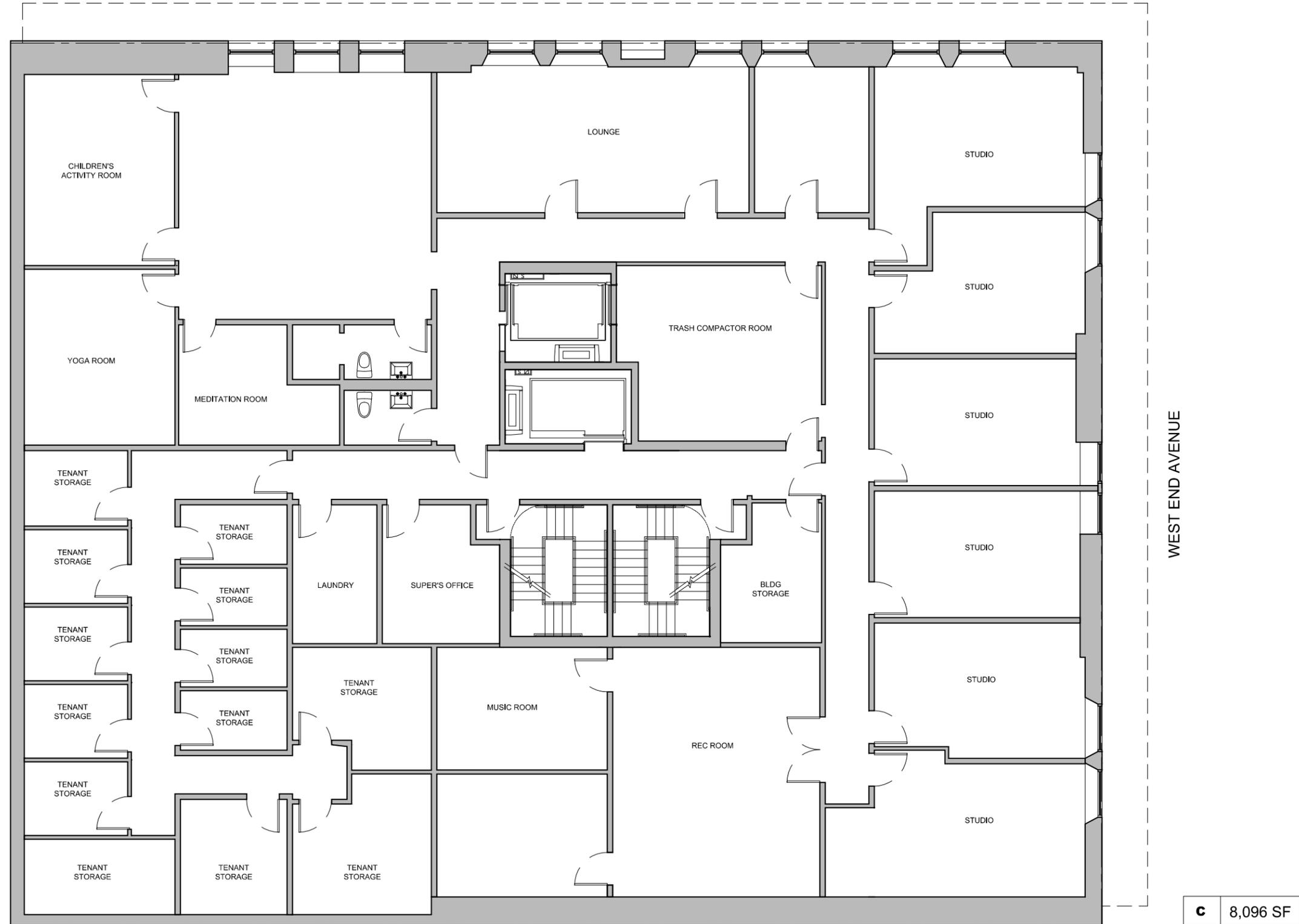


Appendix

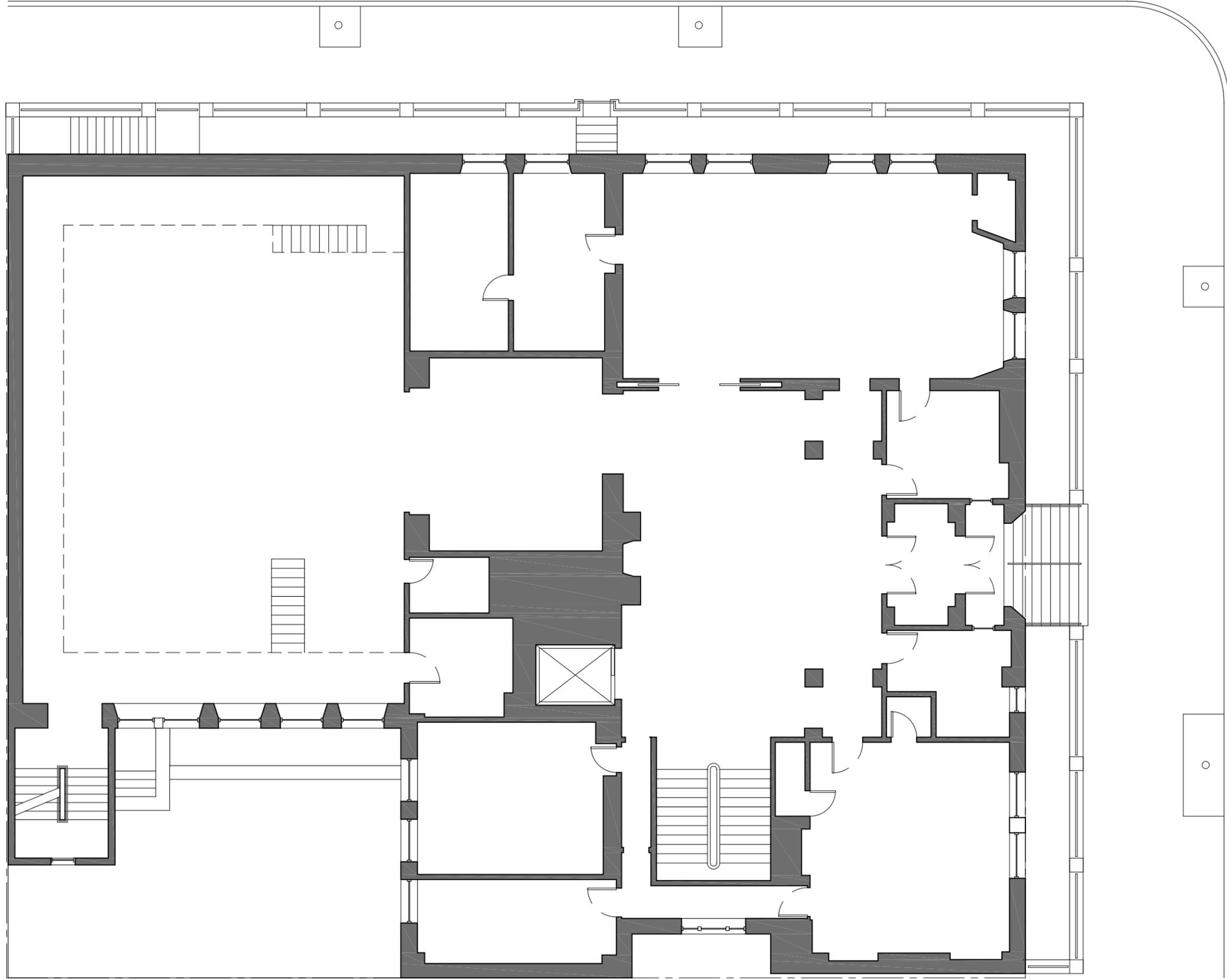


c	7,197 SF
----------	----------

Existing Cellar
Tamarkin Co



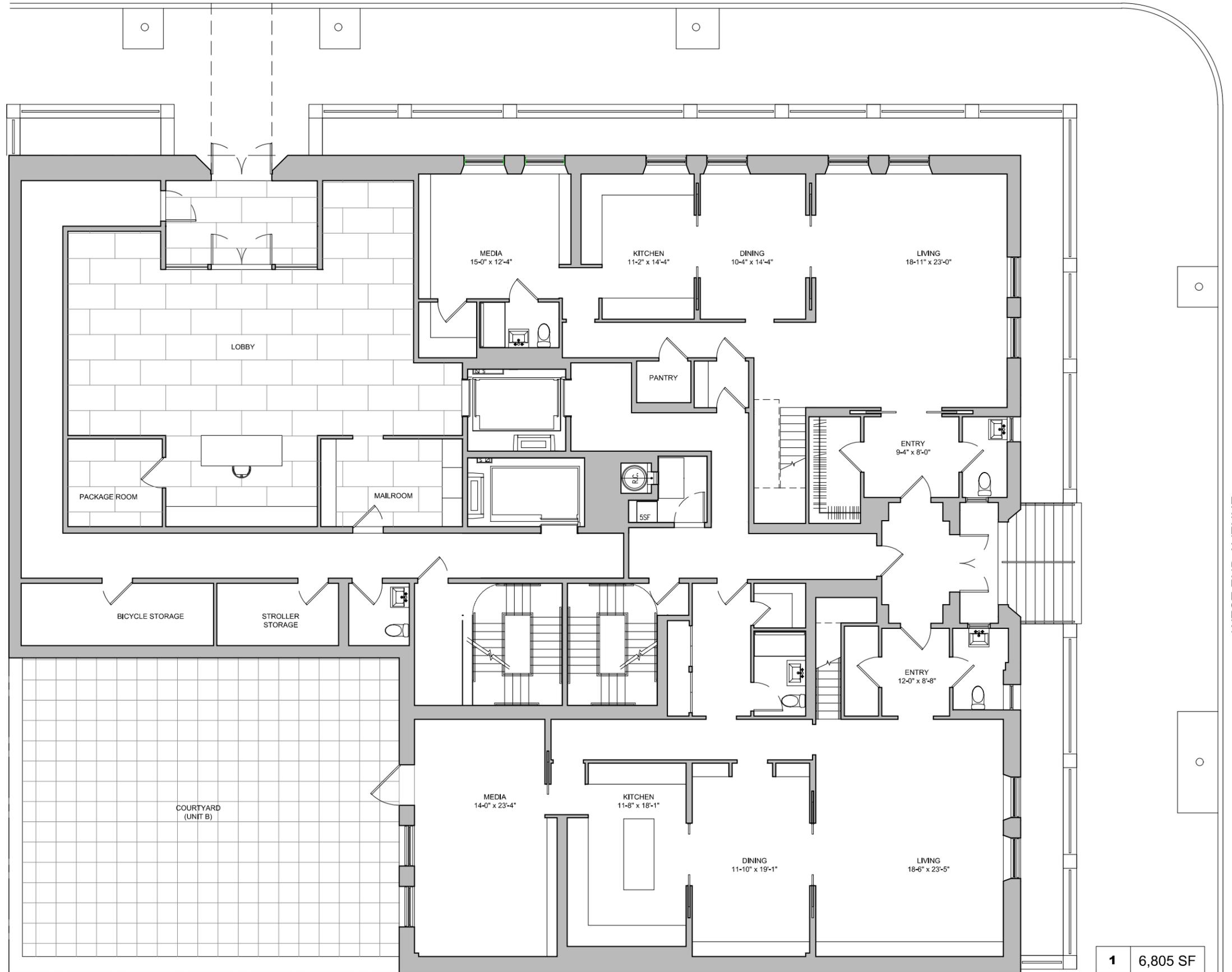
C 8,096 SF



WEST END AVENUE

EXISTING	
1	7,125 SF

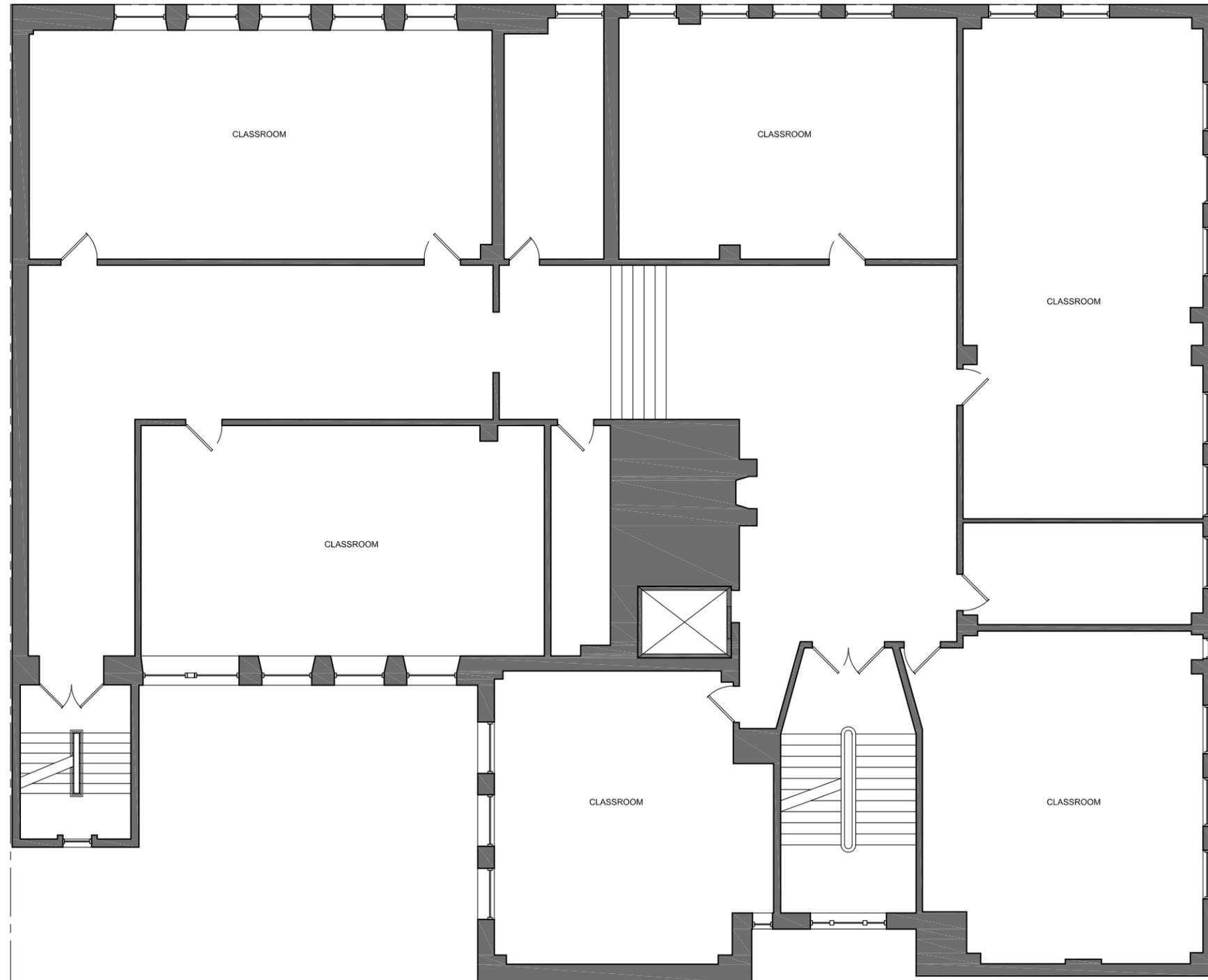
Existing First Floor Plan
Tamarkin Co



1 6,805 SF

Proposed First Floor Plan
Tamarkin Co

WEST 87TH STREET



WEST END AVENUE

EXISTING
3-5 7,193 GSF

Existing Typical Floor Plan

Tamarkin Co

87TH STREET



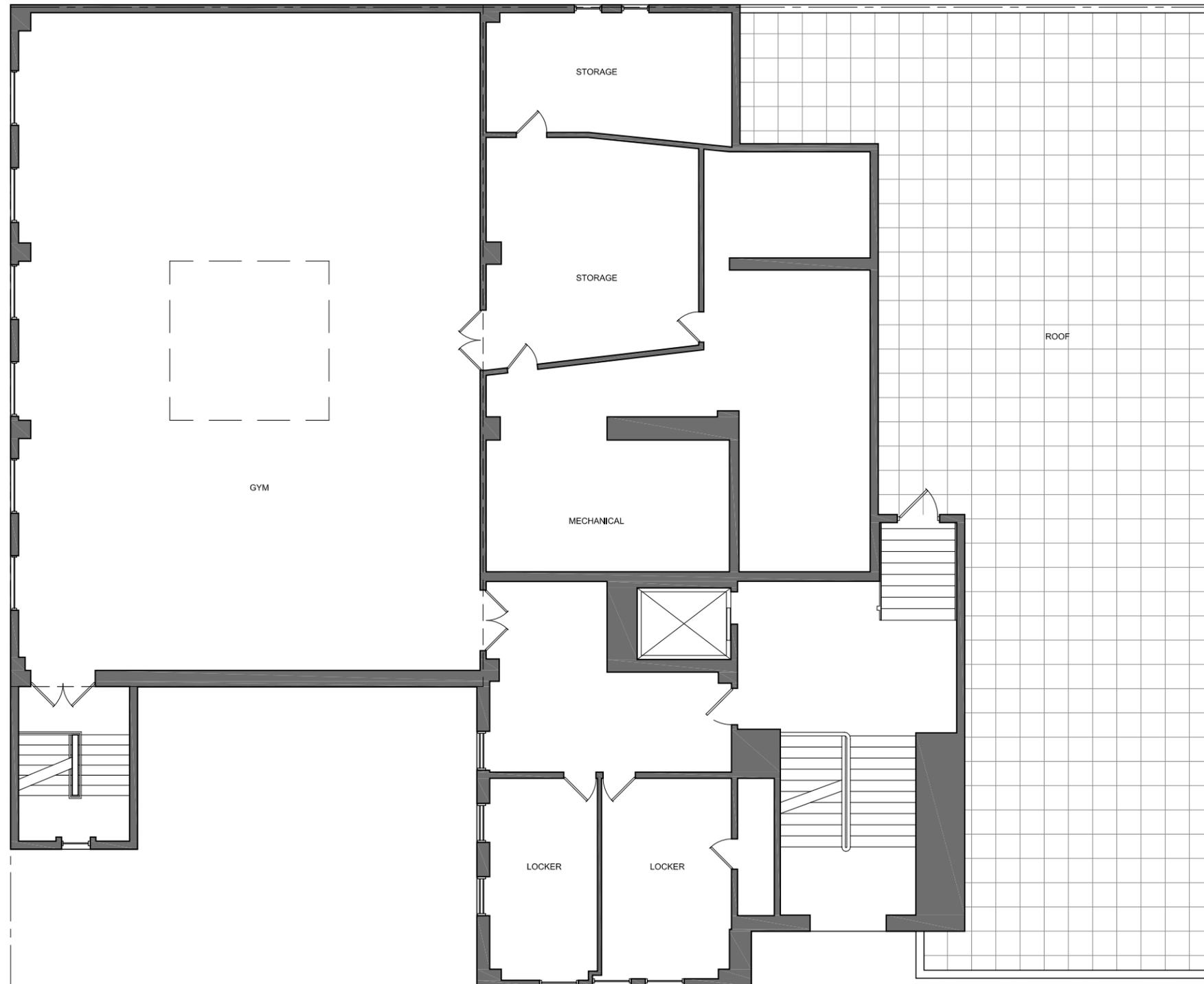
WEST END AVENUE

3-6 6,870 SF

Proposed Typical Floor Plan

Tamarkin Co

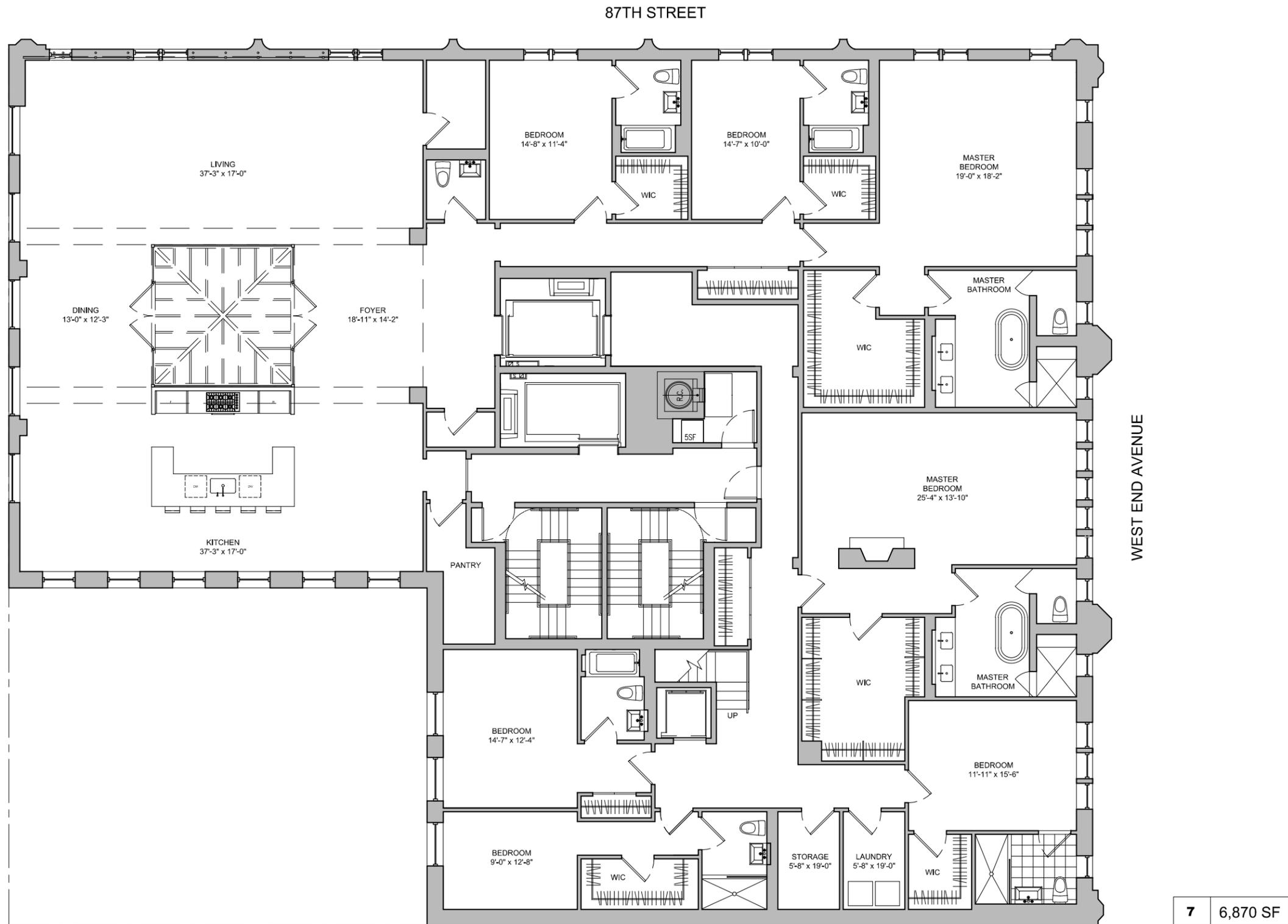
WEST 87TH STREET



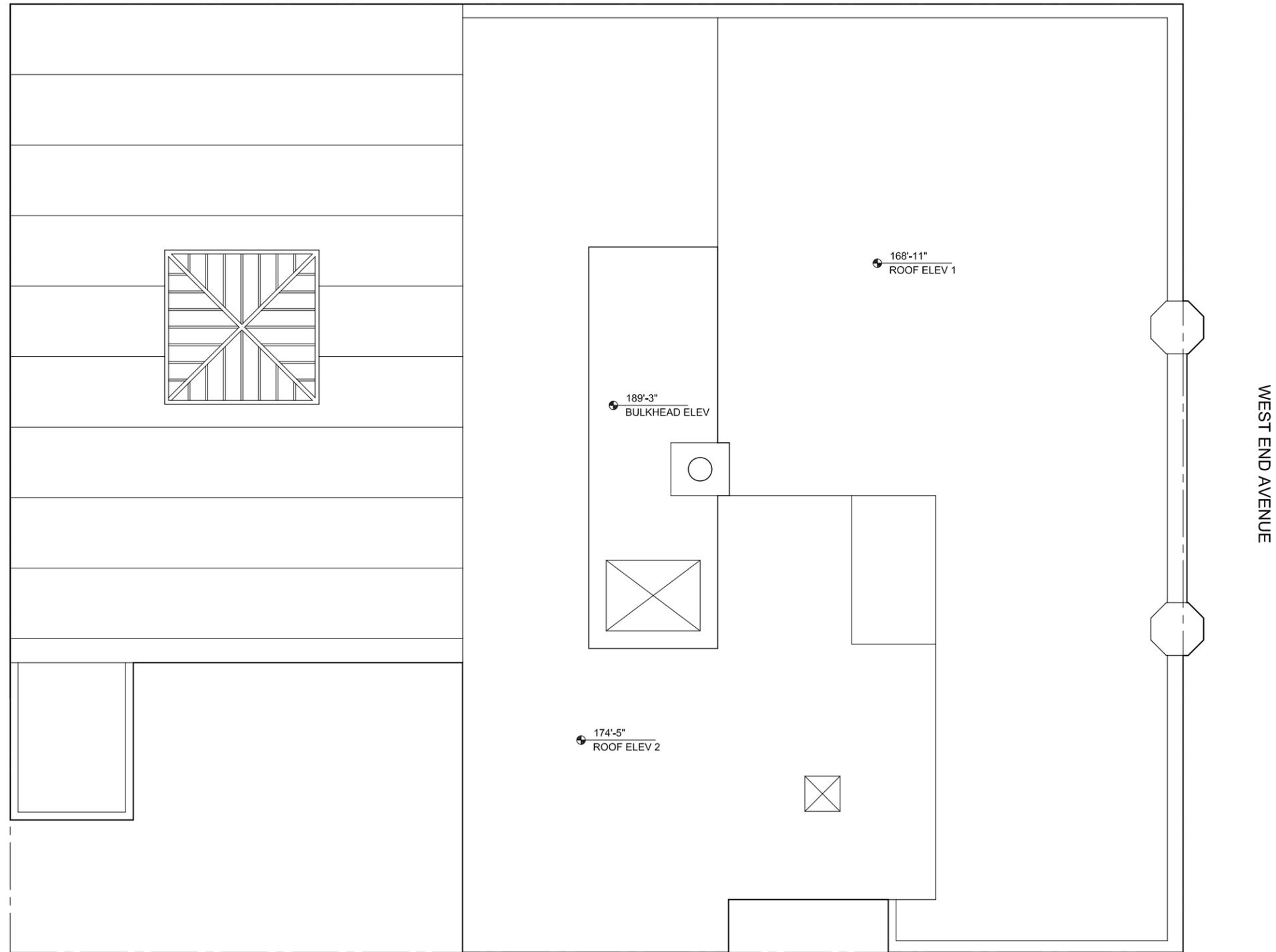
WEST END AVENUE

EXISTING	
7	5,063 GSF

Existing 7th Floor Plan
Tamarkin Co

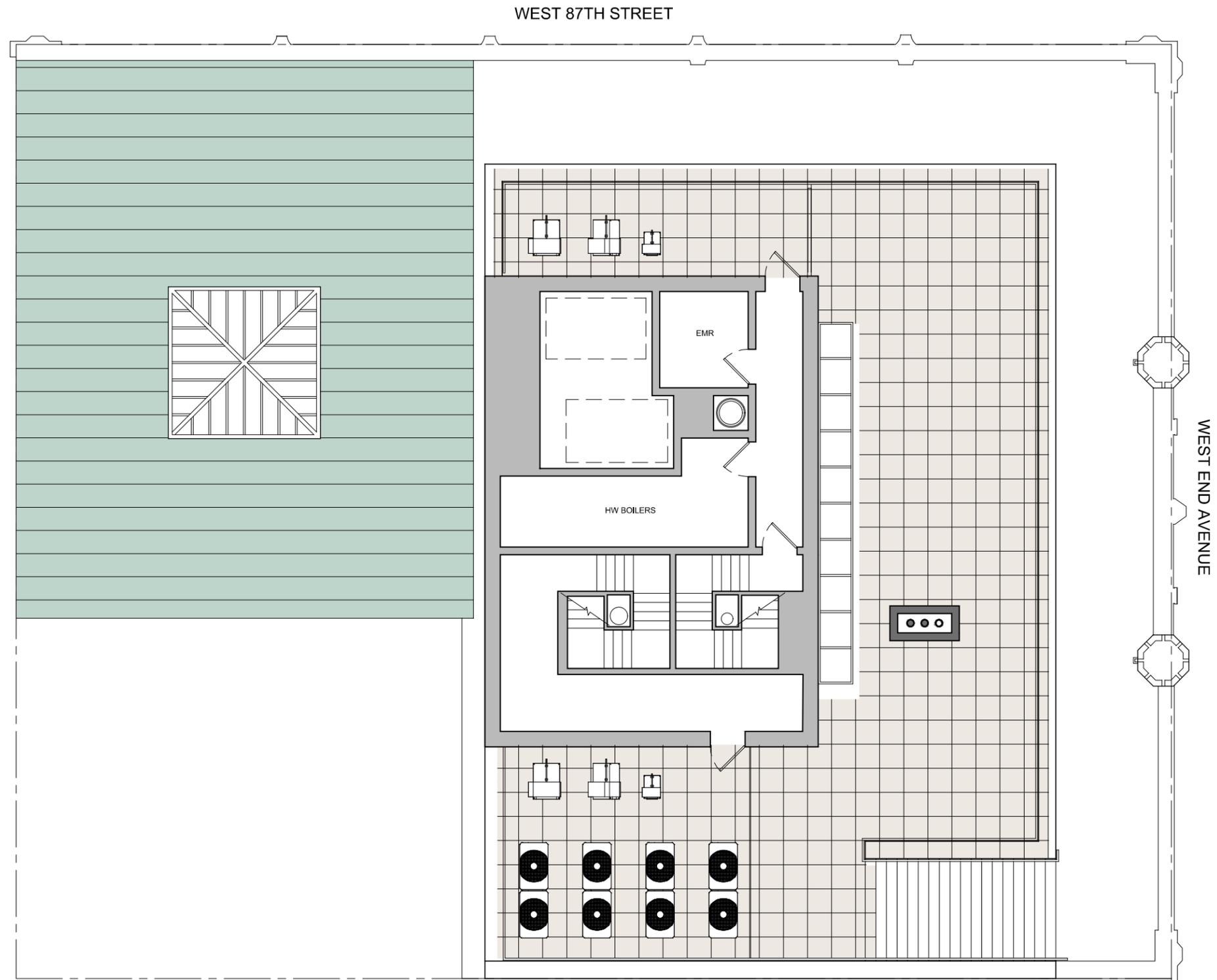


Proposed 7th Floor Plan
Tamarkin Co



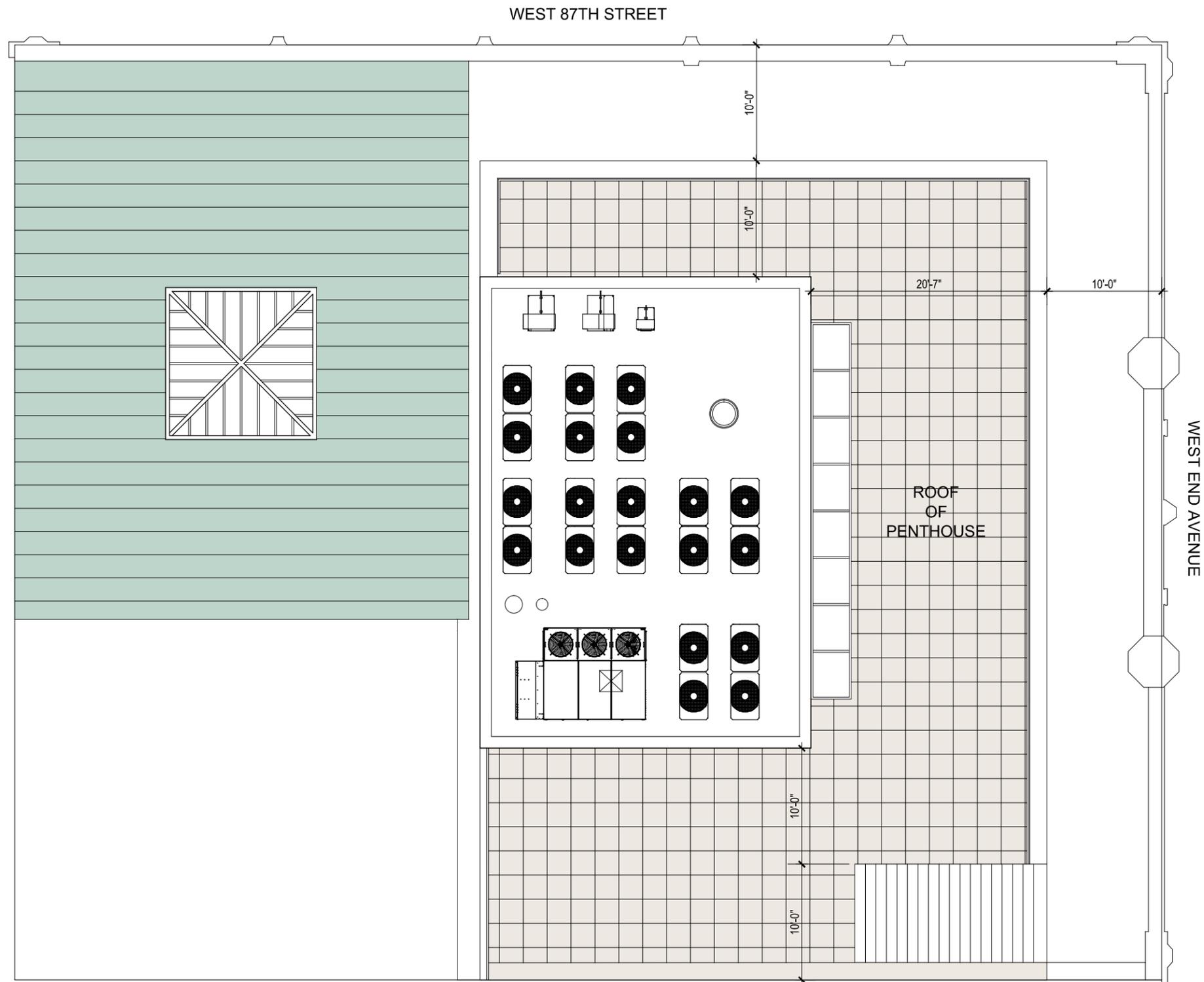
Existing Roof Plan

Tamarkin Co



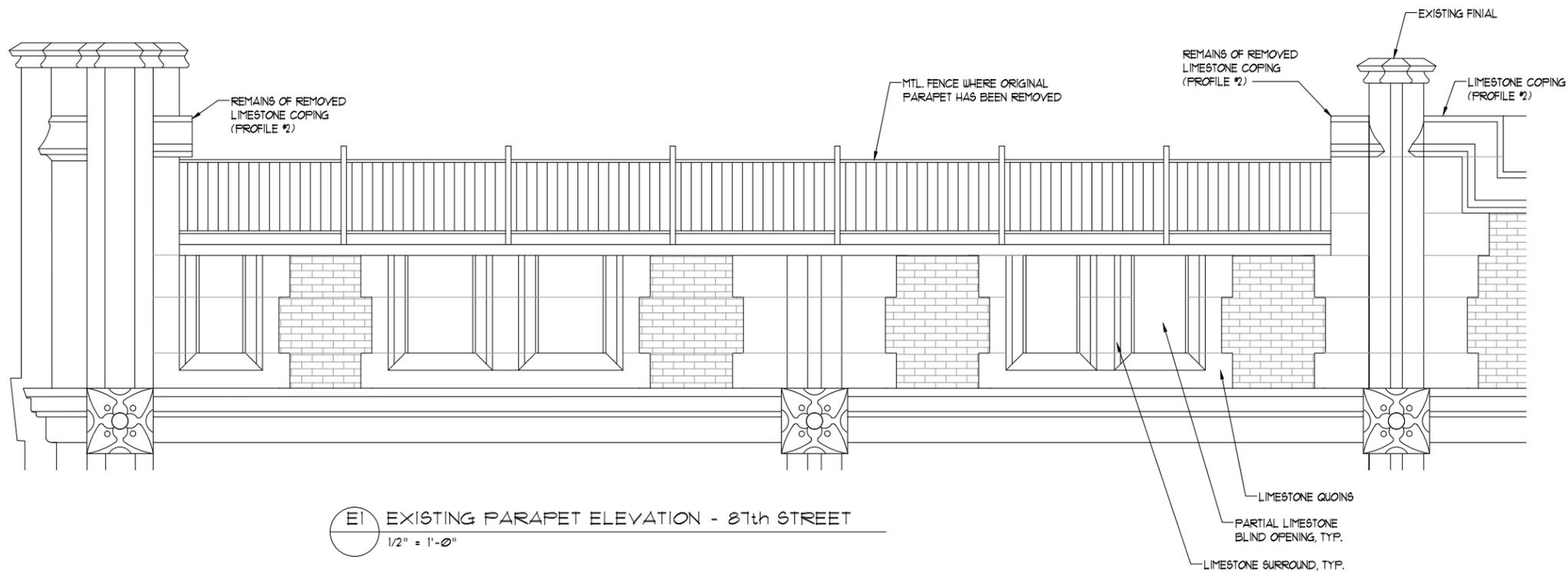
Proposed Bulkhead Plan

Tamarkin Co

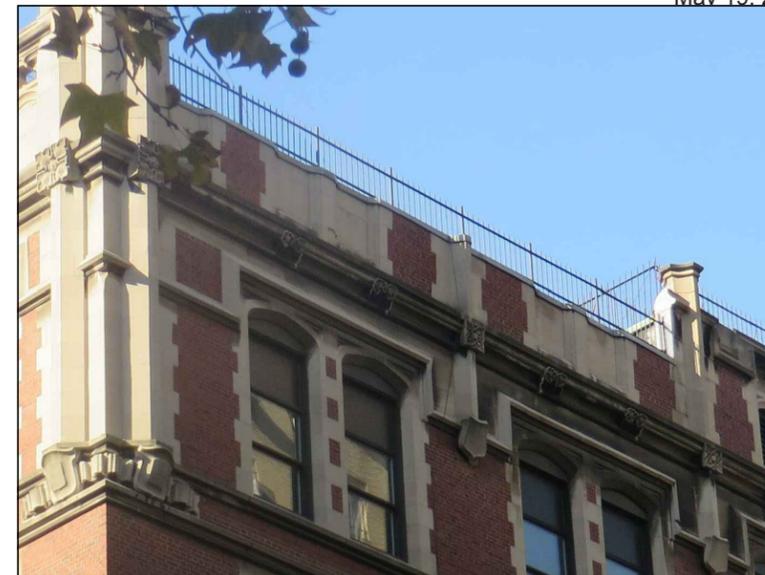


Proposed Bulkhead Roof Plan

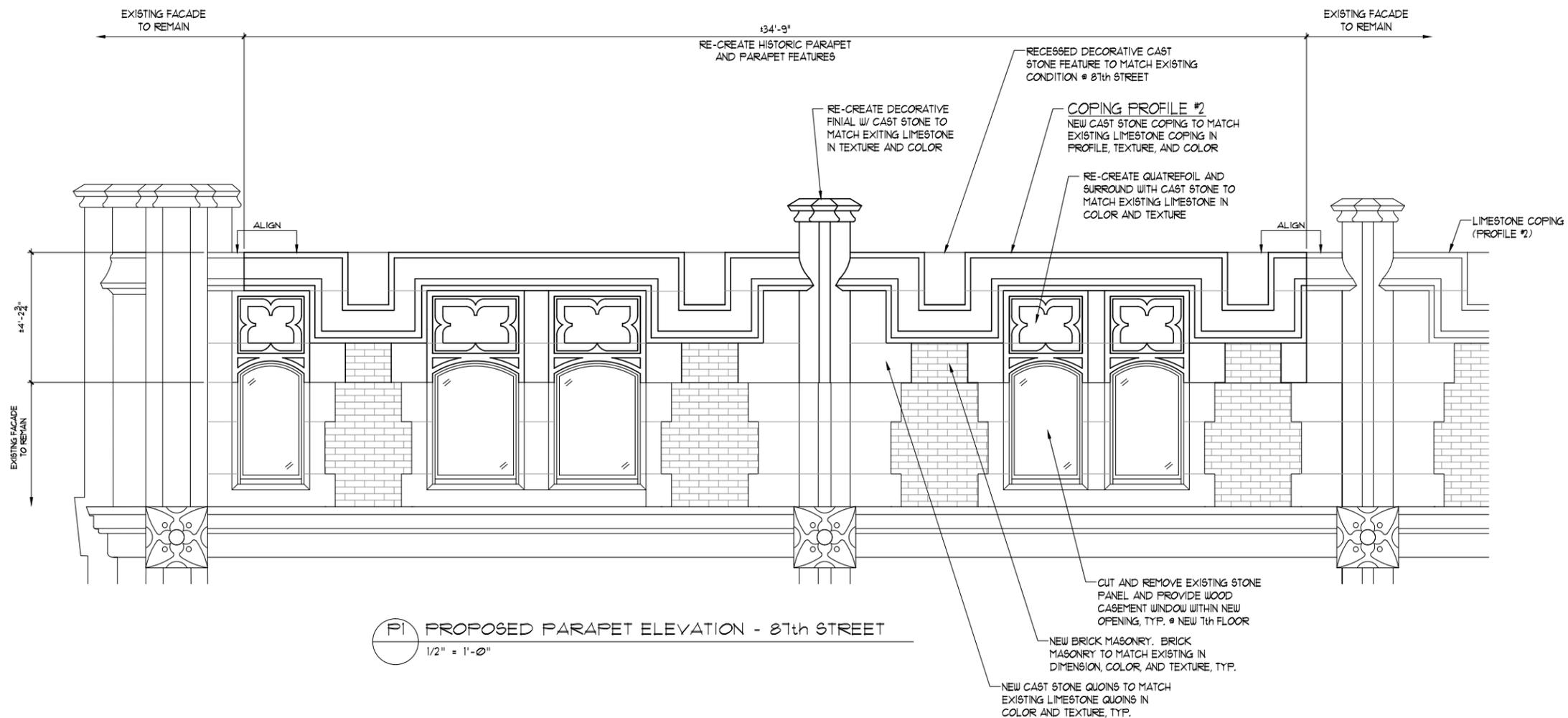
Tamarkin Co



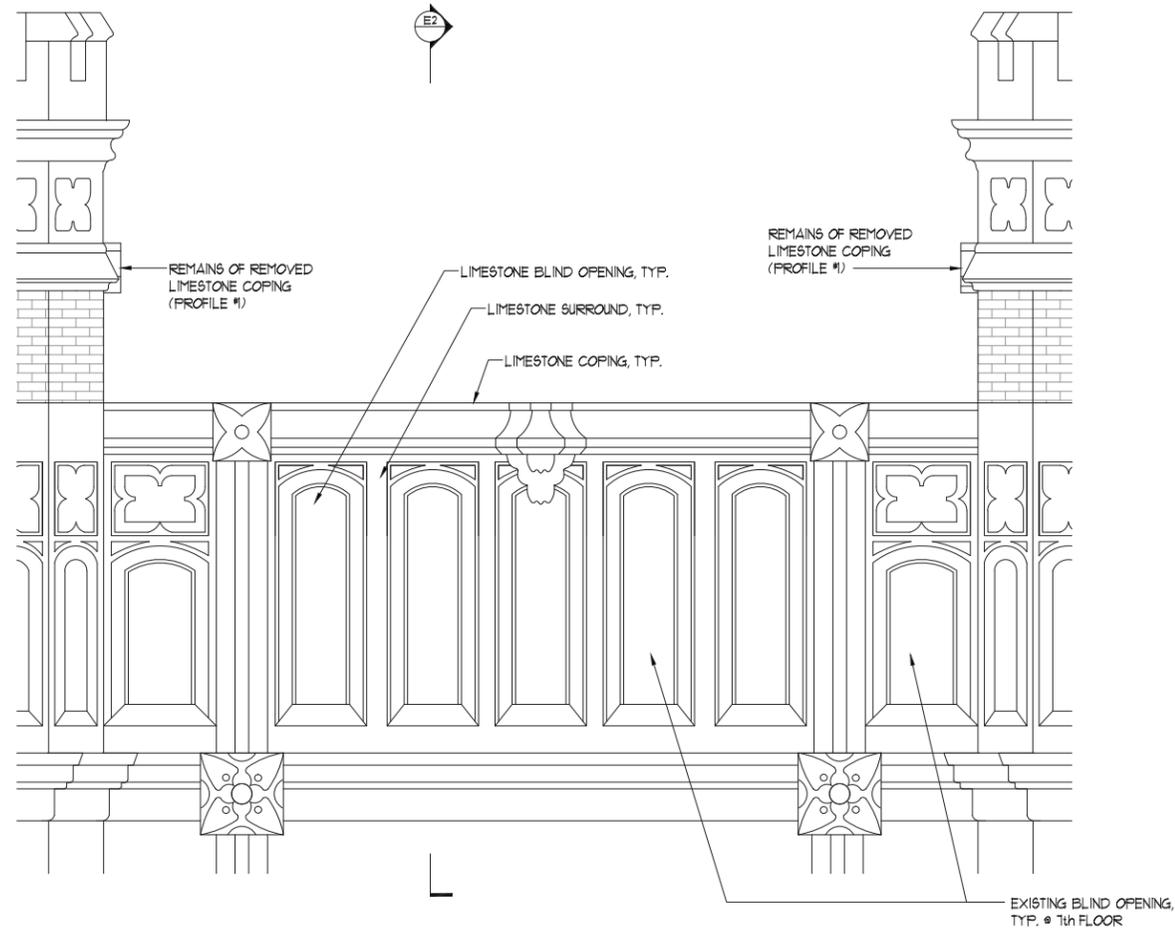
E1 EXISTING PARAPET ELEVATION - 87th STREET
1/2" = 1'-0"



EXISTING PARAPET CONDITION @ WEST END AVE.

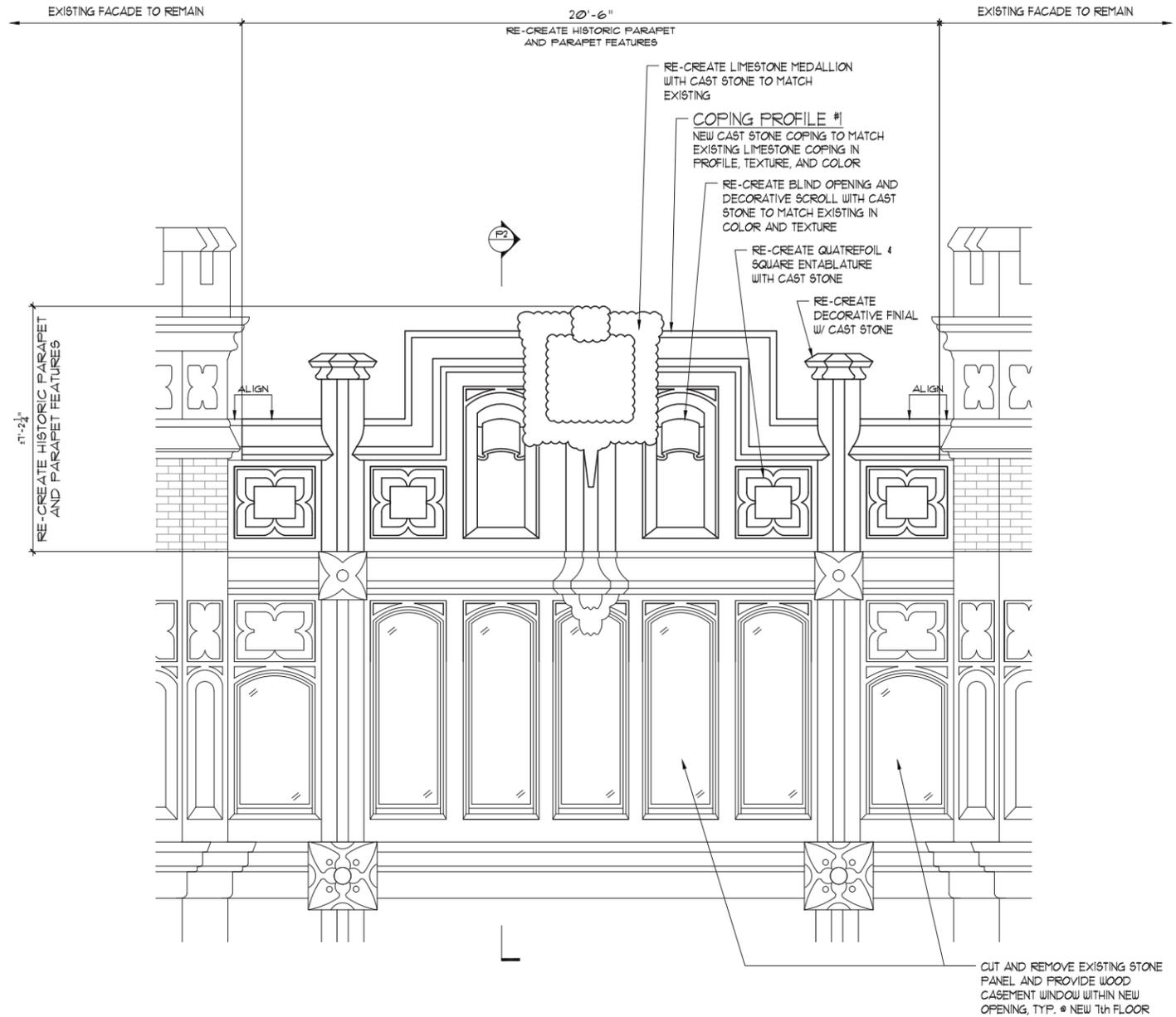


P1 PROPOSED PARAPET ELEVATION - 87th STREET
1/2" = 1'-0"



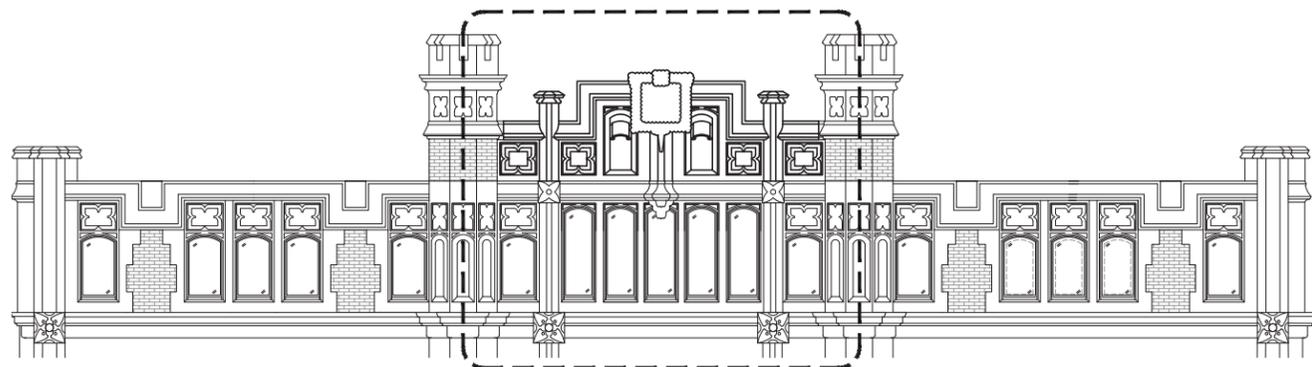
E1 EXISTING PARAPET ELEVATION

1/2" = 1'-0"

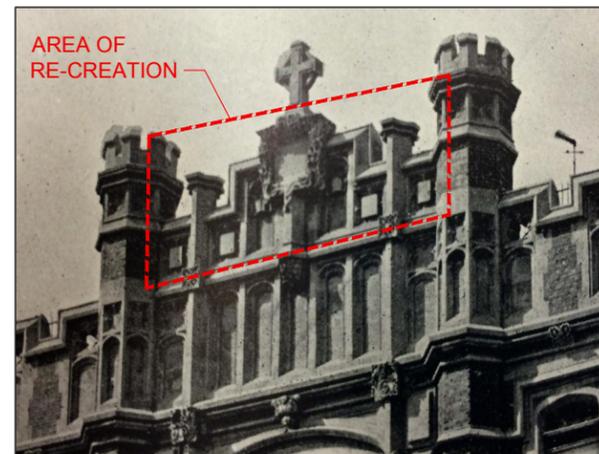


P1 PROPOSED 7th FLOOR WINDOW OPENING & PARAPET RE-CREATION

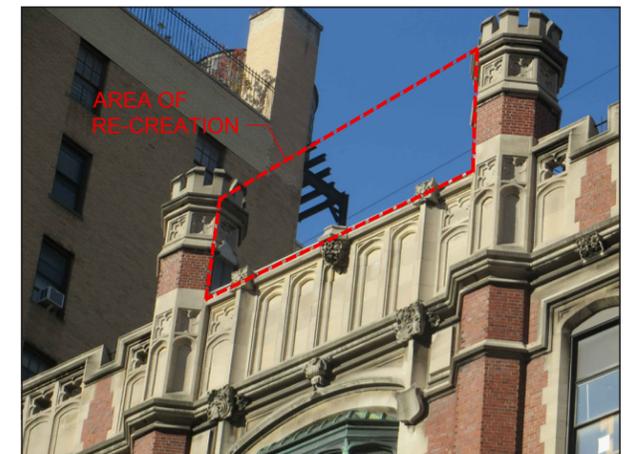
1/2" = 1'-0"



WEST END AVE. PARAPET KEY



HISTORIC PARAPET



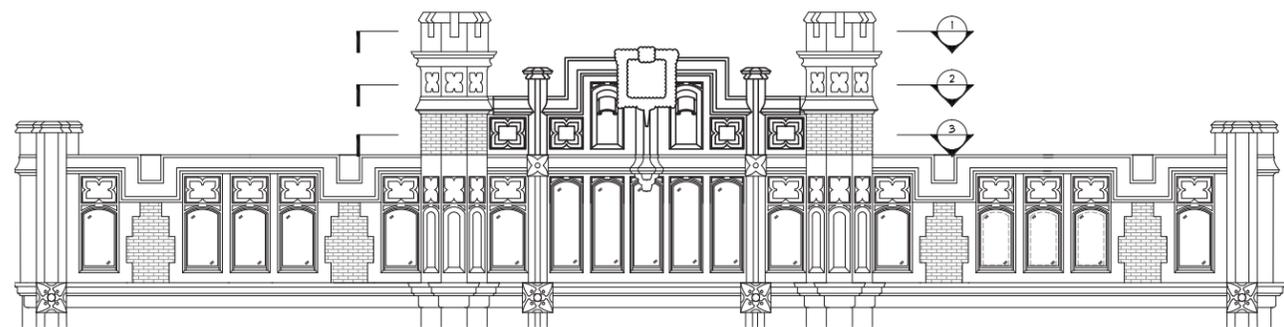
EXISTING CONDITION @ WEST END AVE.



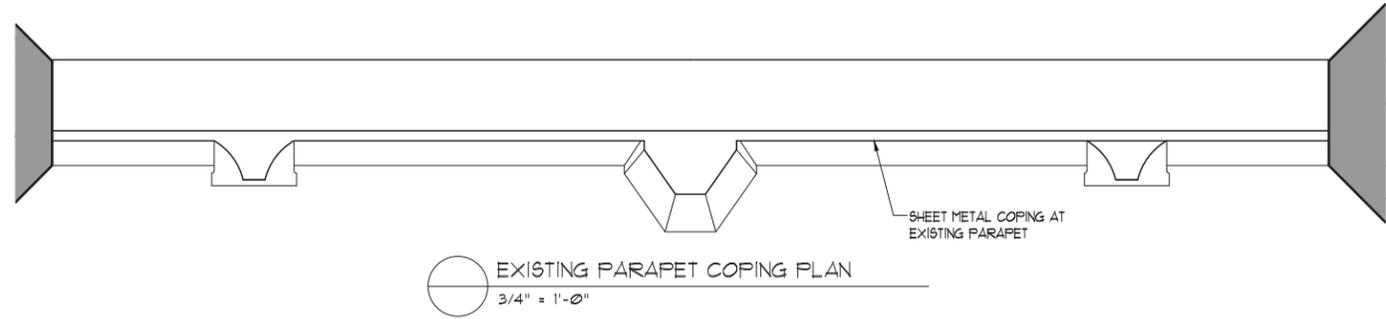
HISTORIC PARAPET



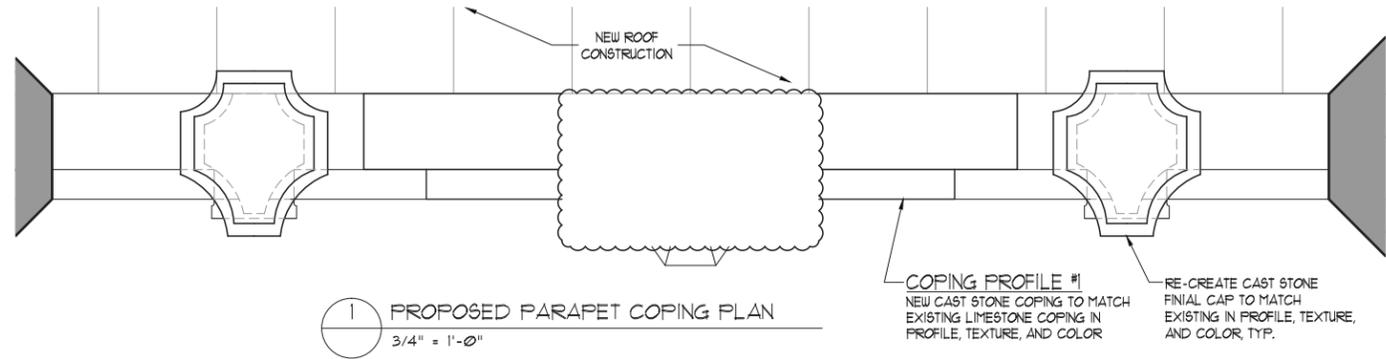
EXISTING CONDITION @ PARAPET



WEST END AVE. PARAPET KEY



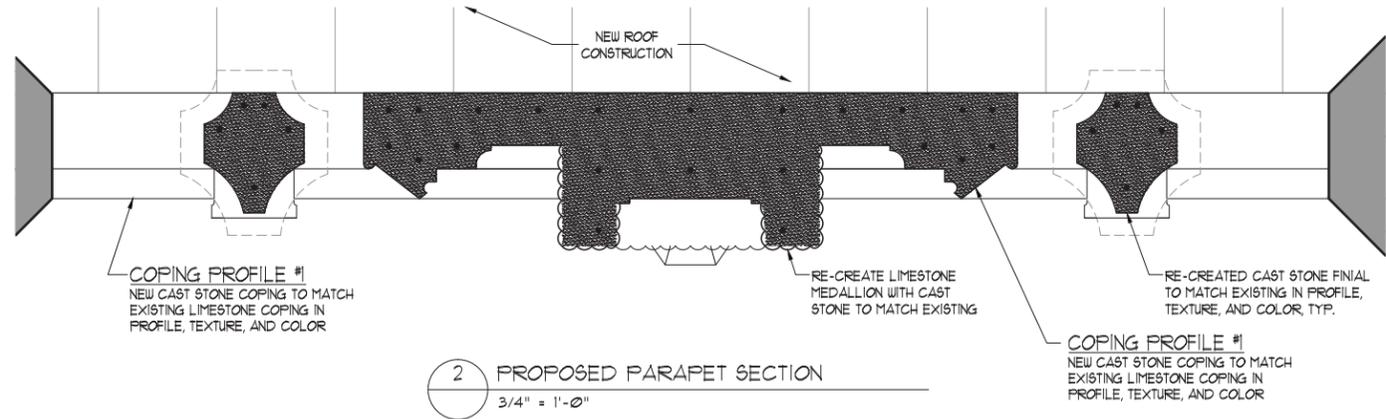
EXISTING PARAPET COPING PLAN
3/4" = 1'-0"



1 PROPOSED PARAPET COPING PLAN
3/4" = 1'-0"

COPING PROFILE #1
NEW CAST STONE COPING TO MATCH EXISTING LIMESTONE COPING IN PROFILE, TEXTURE, AND COLOR

RE-CREATE CAST STONE FINIAL CAP TO MATCH EXISTING IN PROFILE, TEXTURE, AND COLOR, TYP.



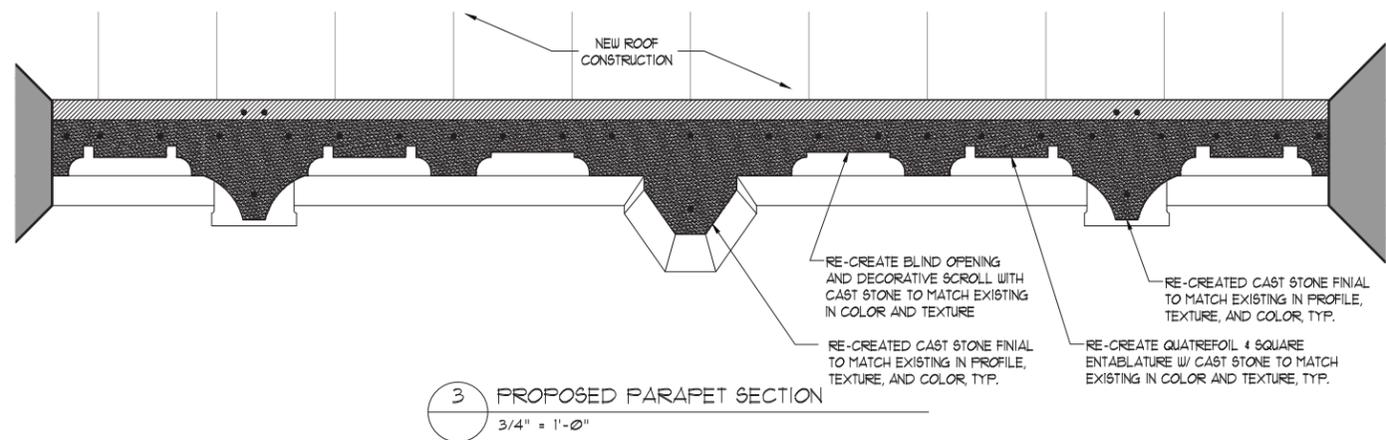
2 PROPOSED PARAPET SECTION
3/4" = 1'-0"

COPING PROFILE #1
NEW CAST STONE COPING TO MATCH EXISTING LIMESTONE COPING IN PROFILE, TEXTURE, AND COLOR

RE-CREATE LIMESTONE MEDALLION WITH CAST STONE TO MATCH EXISTING

COPING PROFILE #1
NEW CAST STONE COPING TO MATCH EXISTING LIMESTONE COPING IN PROFILE, TEXTURE, AND COLOR

RE-CREATED CAST STONE FINIAL TO MATCH EXISTING IN PROFILE, TEXTURE, AND COLOR, TYP.



3 PROPOSED PARAPET SECTION
3/4" = 1'-0"

RE-CREATE BLIND OPENING AND DECORATIVE SCROLL WITH CAST STONE TO MATCH EXISTING IN COLOR AND TEXTURE

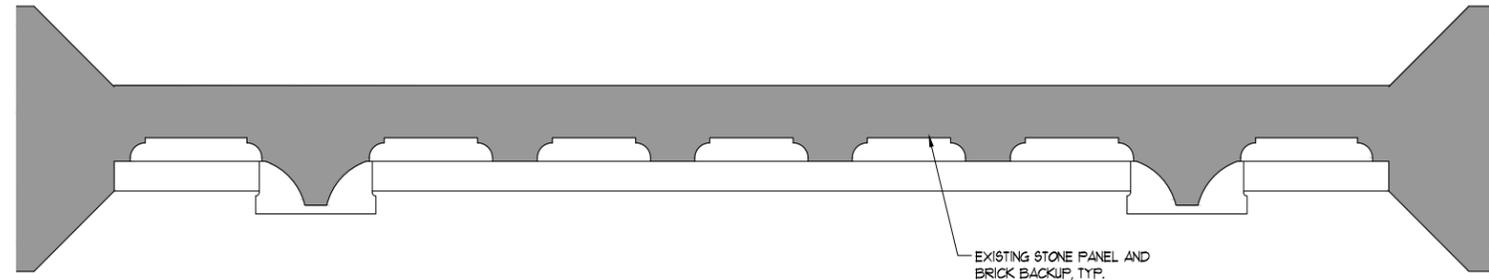
RE-CREATED CAST STONE FINIAL TO MATCH EXISTING IN PROFILE, TEXTURE, AND COLOR, TYP.

RE-CREATED CAST STONE FINIAL TO MATCH EXISTING IN PROFILE, TEXTURE, AND COLOR, TYP.

RE-CREATE QUATREFOIL 4 SQUARE ENTABLATURE W/ CAST STONE TO MATCH EXISTING IN COLOR AND TEXTURE, TYP.

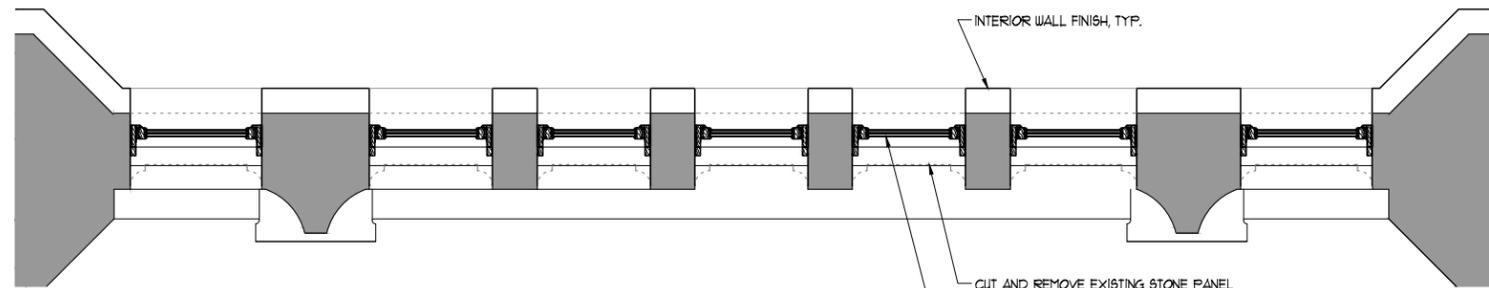


EXISTING CONDITION @ PARAPET



EXISTING STONE PANEL AND BRICK BACKUP, TYP.

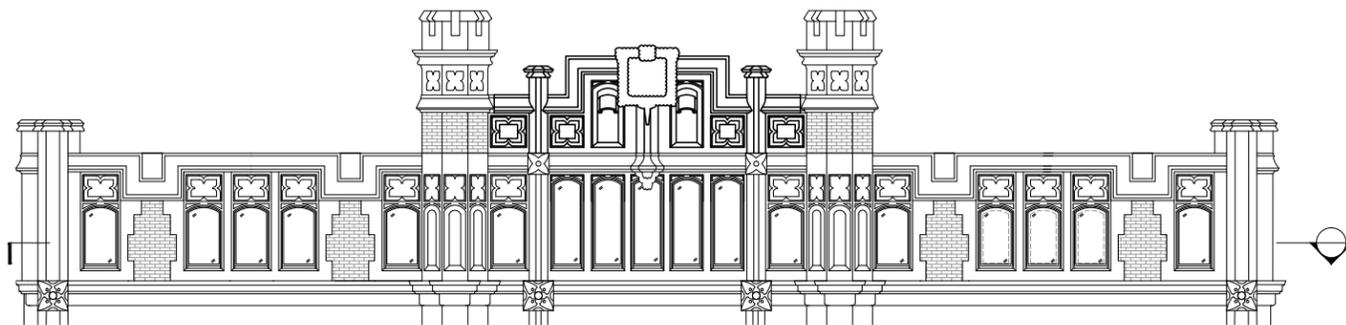
EXISTING SECTION @ BLIND OPENINGS
3/4" = 1'-0"



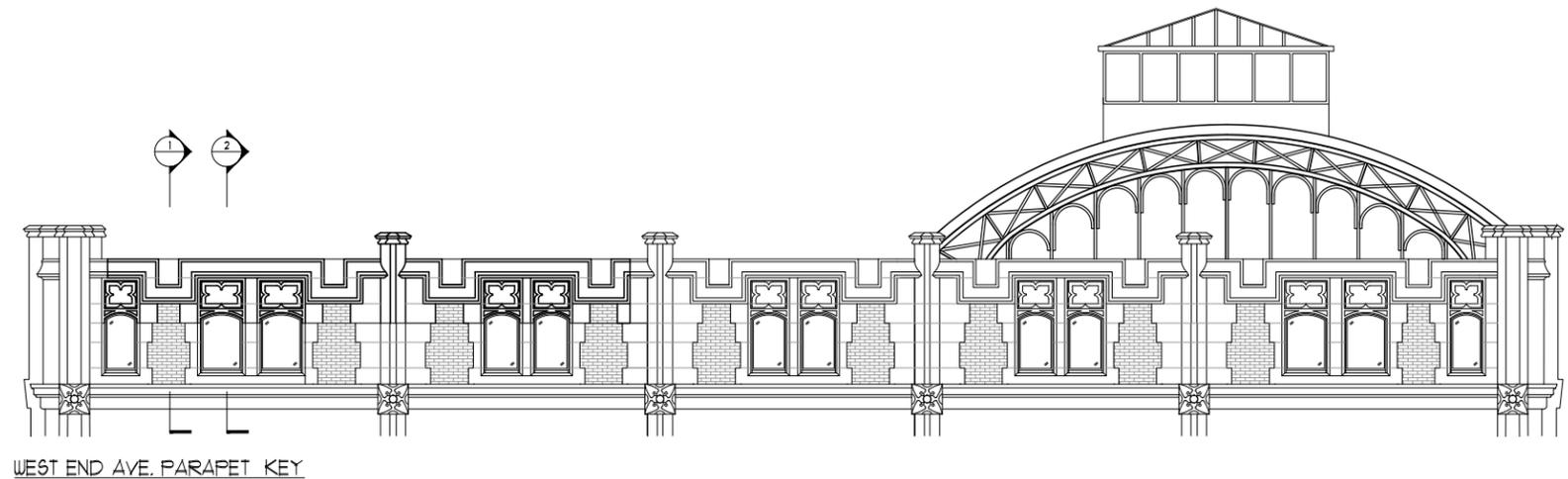
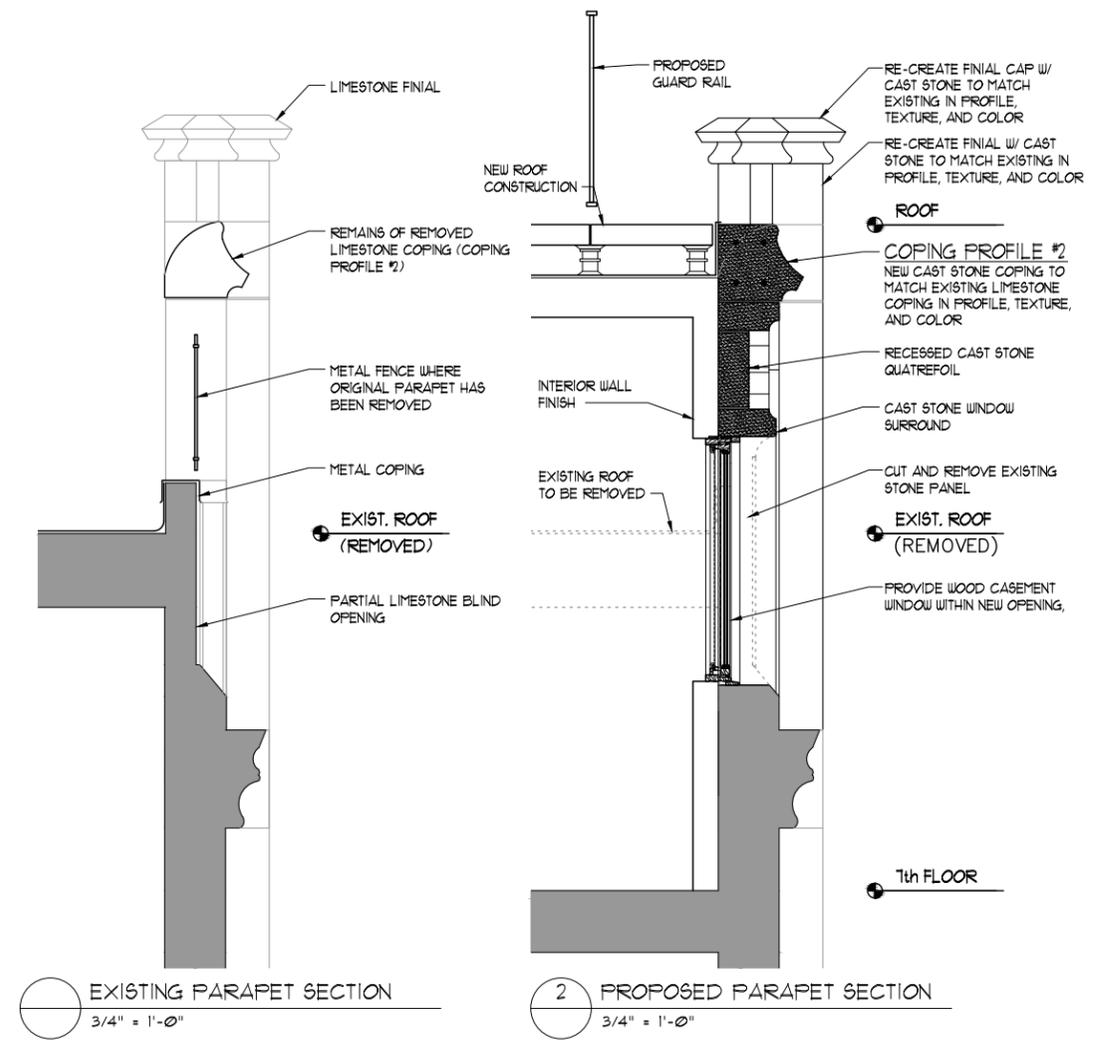
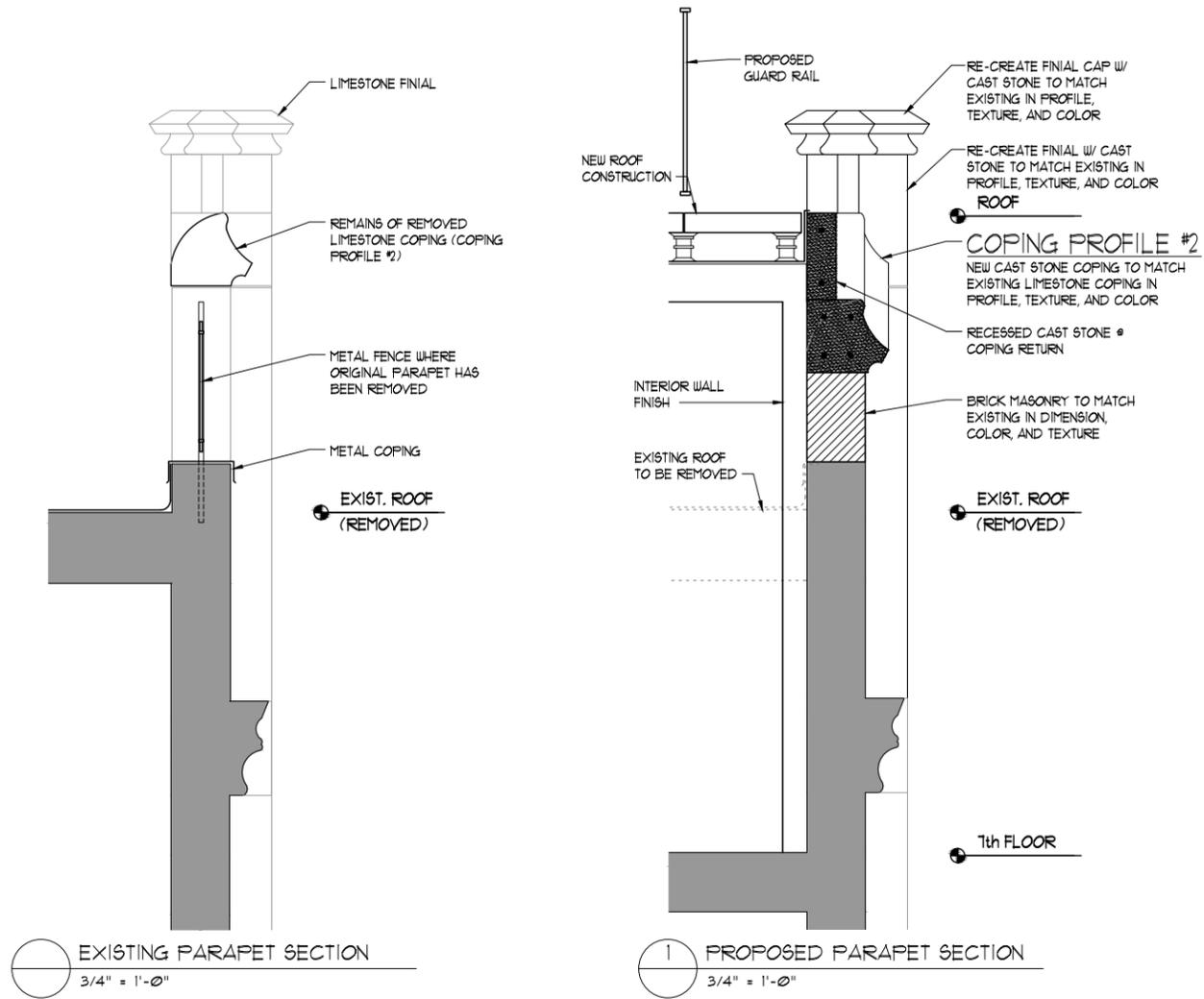
INTERIOR WALL FINISH, TYP.

CUT AND REMOVE EXISTING STONE PANEL AND BRICK BACKUP TO ACCOMMODATE WINDOW, TYP. @ NEW 7th FLOOR
PROVIDE WOOD CASEMENT WINDOW WITHIN NEW OPENING, TYP. @ NEW 7th FLOOR

SECTION @ PROPOSED WINDOWS
3/4" = 1'-0"



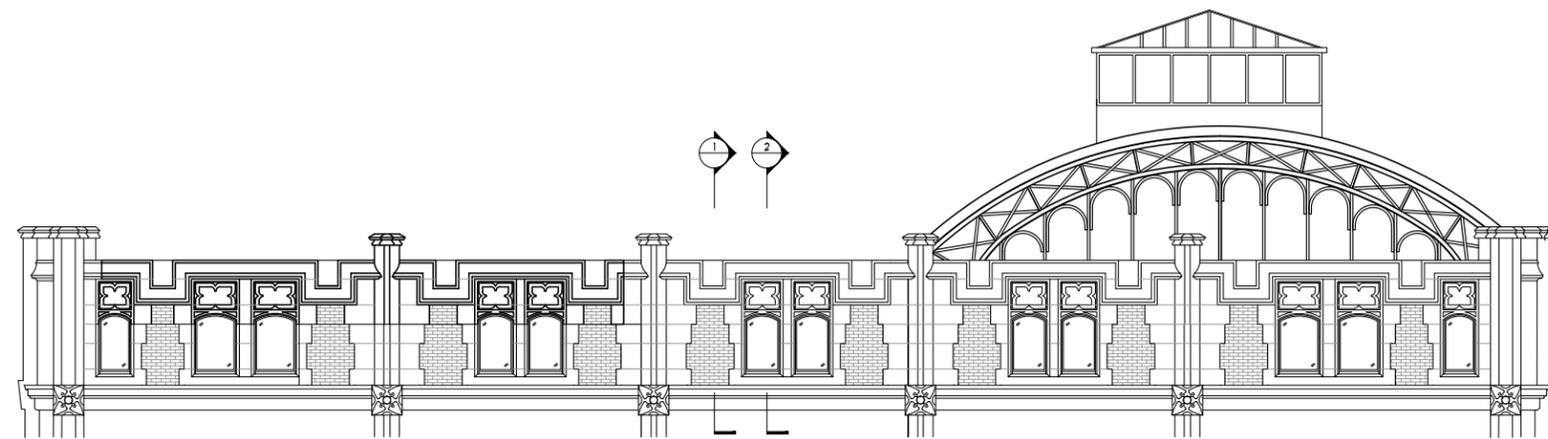
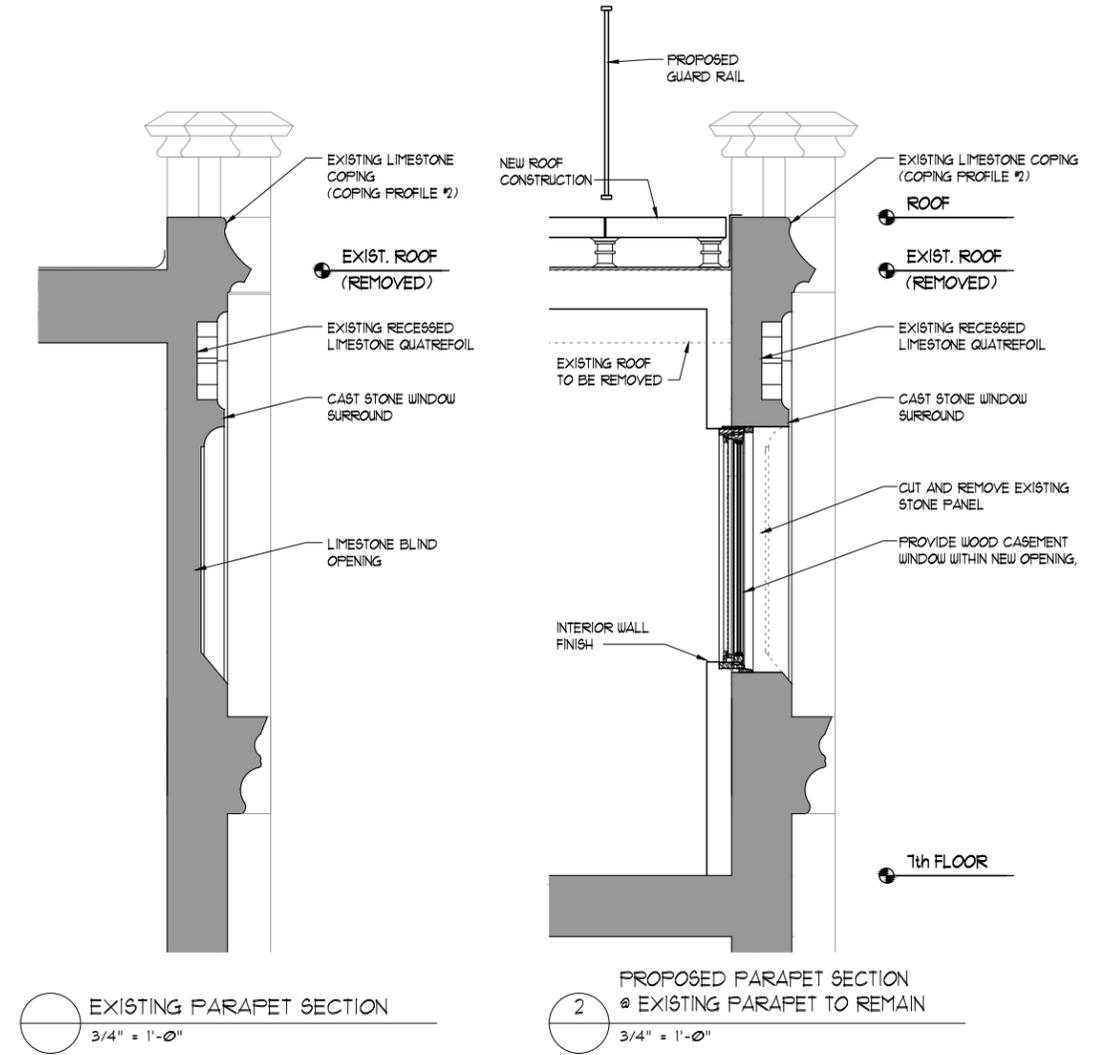
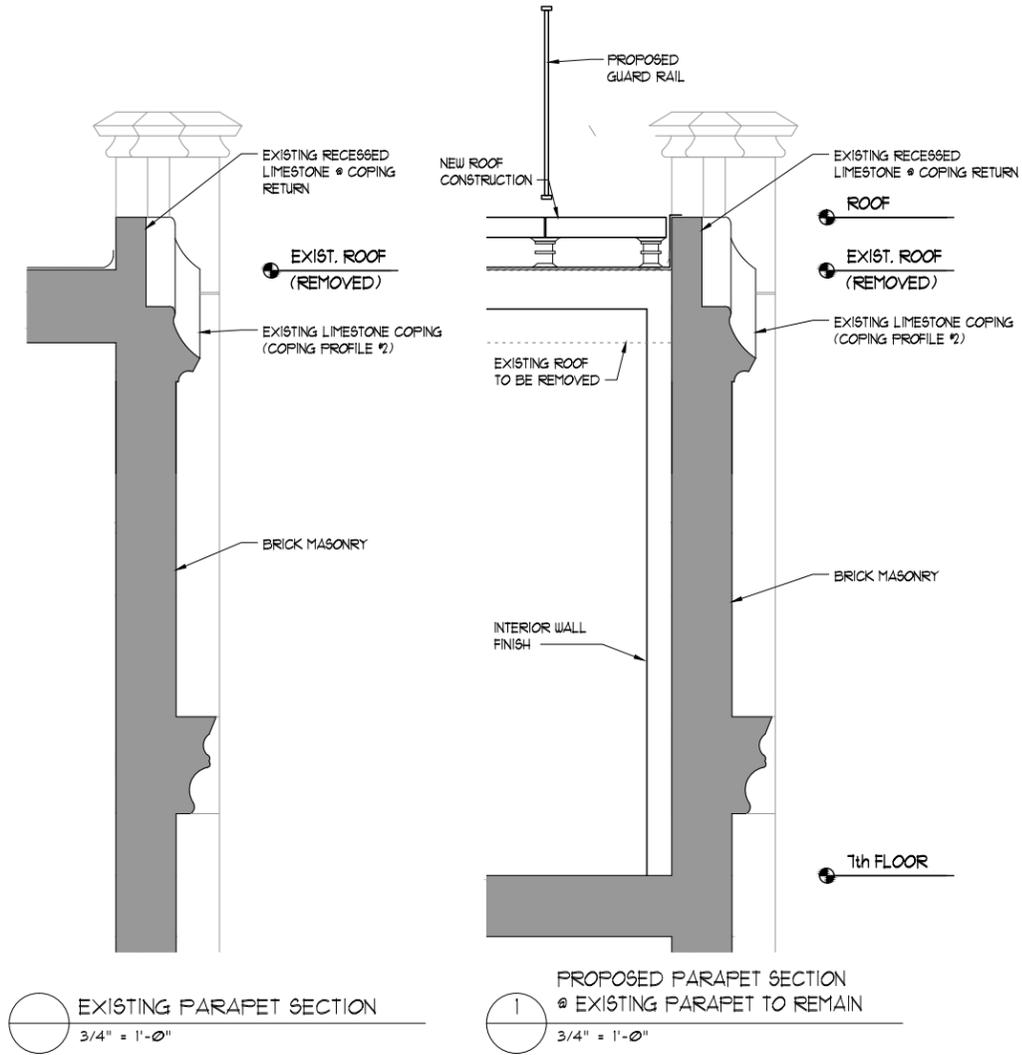
WEST END AVE. PARAPET KEY



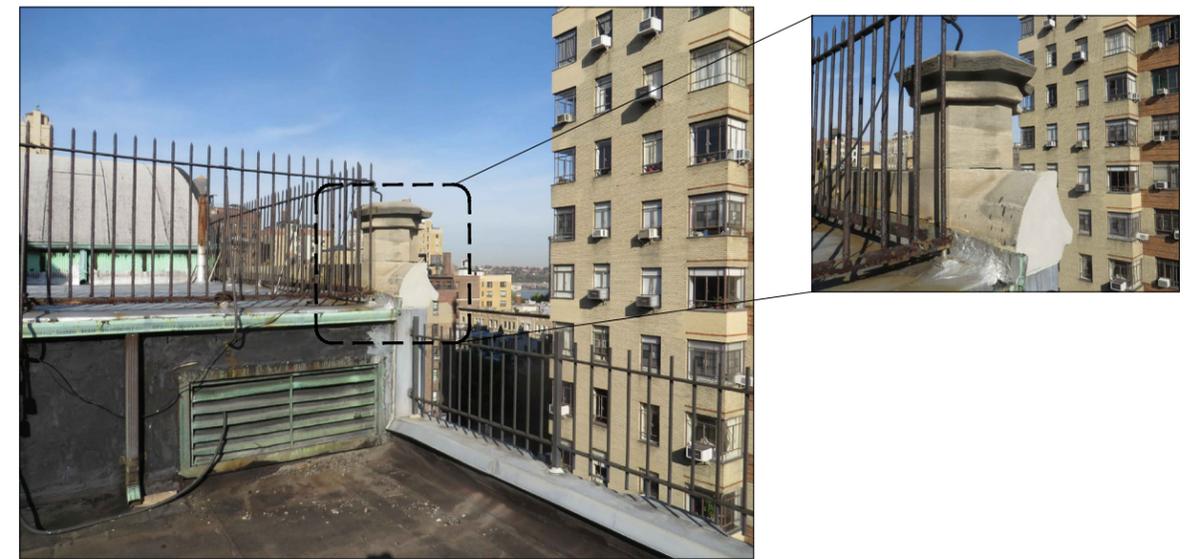
EXISTING FINIAL @ 81st STREET (LOOKING EAST)



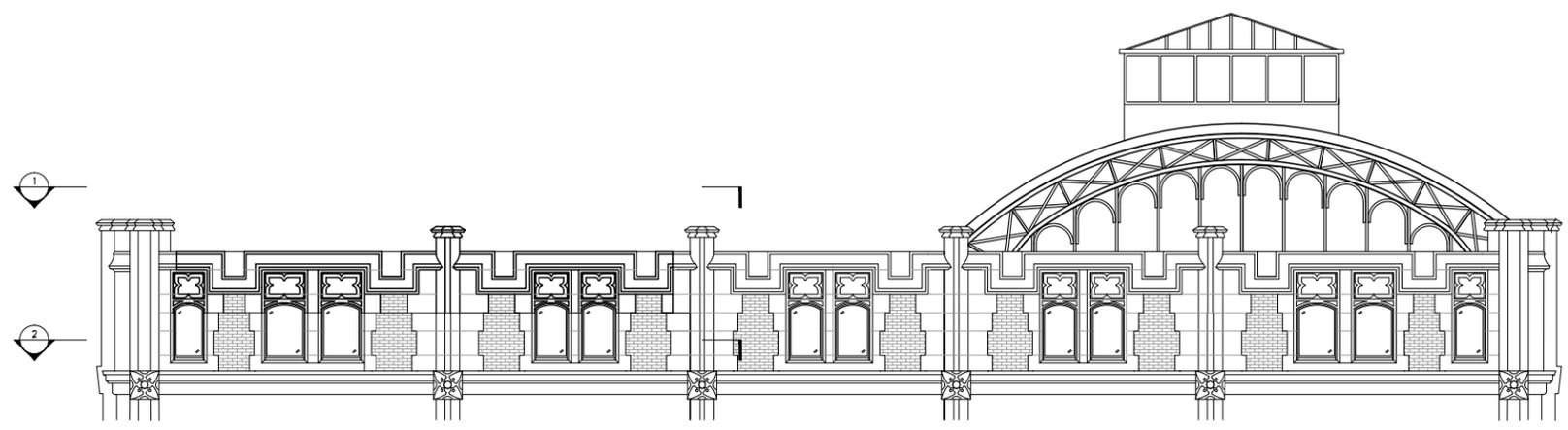
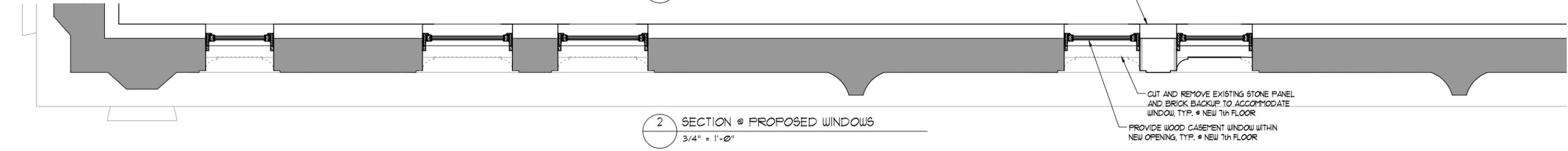
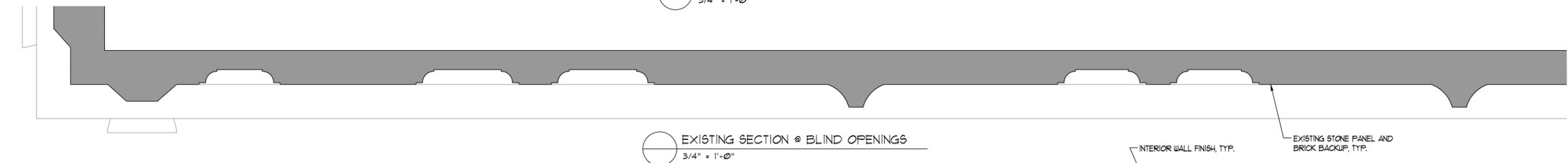
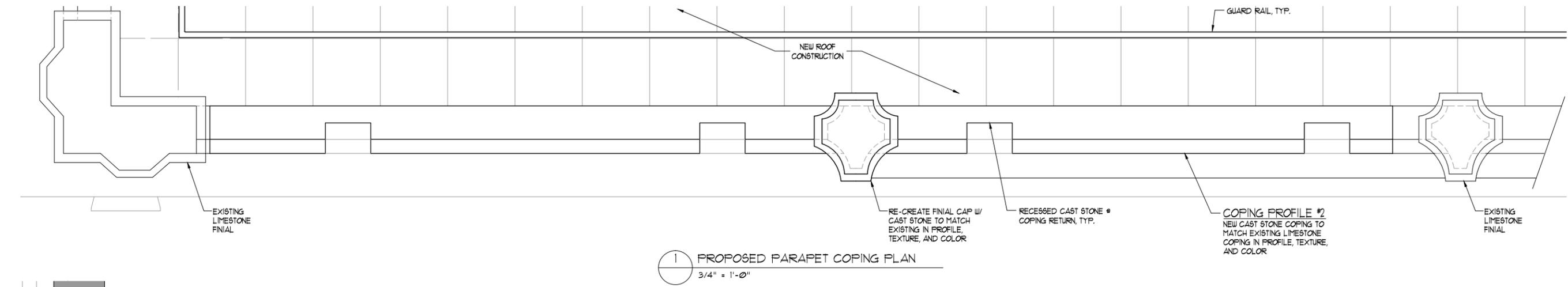
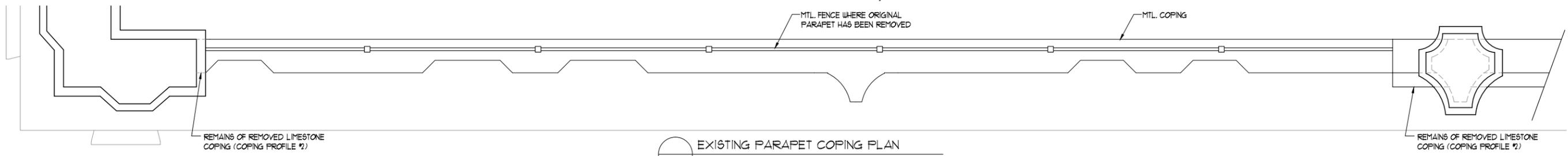
EXISTING FINIAL @ 81st STREET (LOOKING WEST)

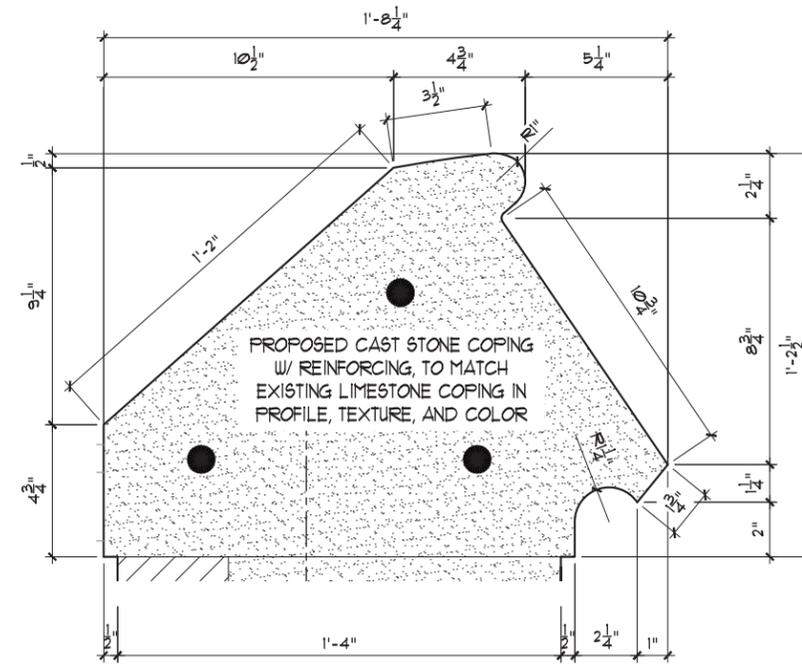
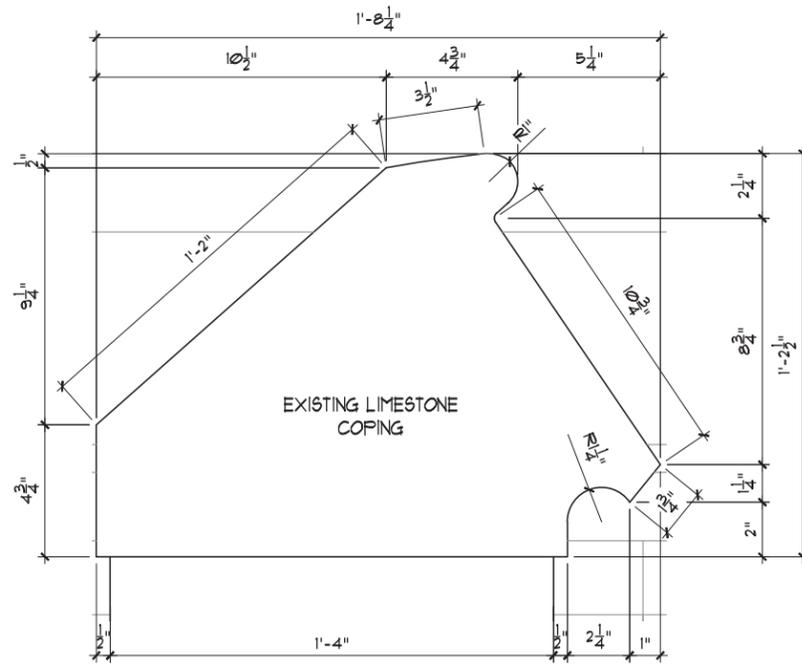


WEST END AVE. PARAPET KEY



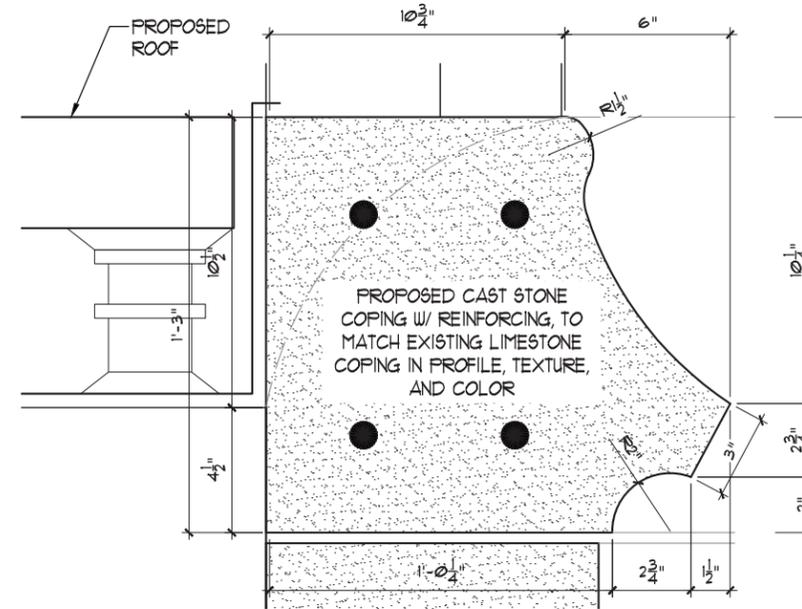
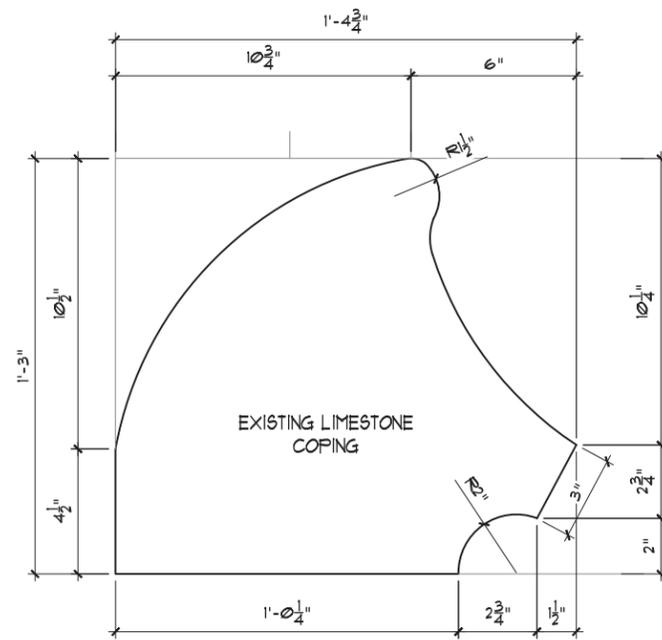
EXISTING PARAPET @ 87th STREET





EXISTING COPING PROFILE #1
3" = 1'-0"

PROPOSED COPING PROFILE #1
3" = 1'-0"



EXISTING COPING PROFILE #2
3" = 1'-0"

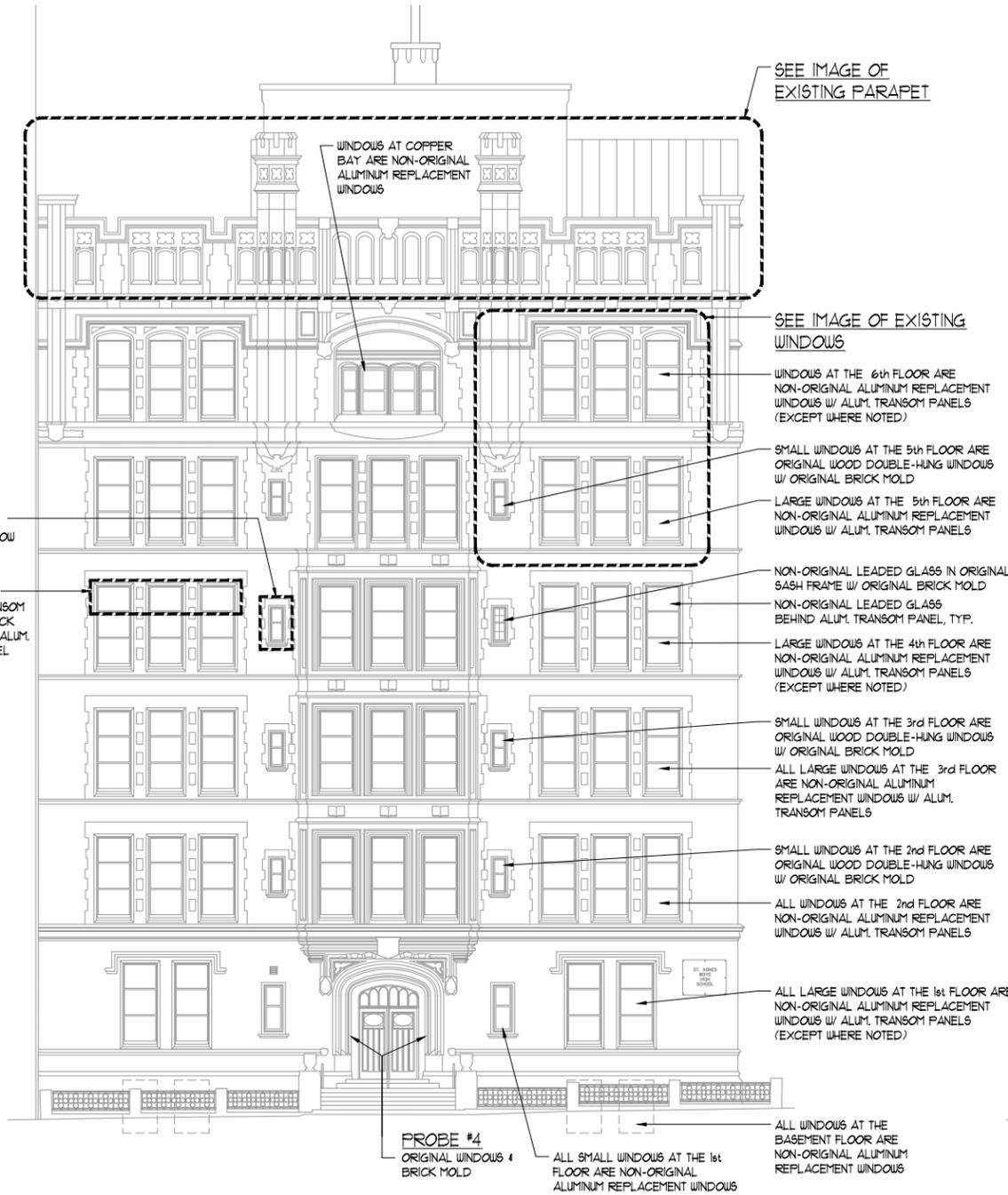
PROPOSED COPING PROFILE #2
3" = 1'-0"



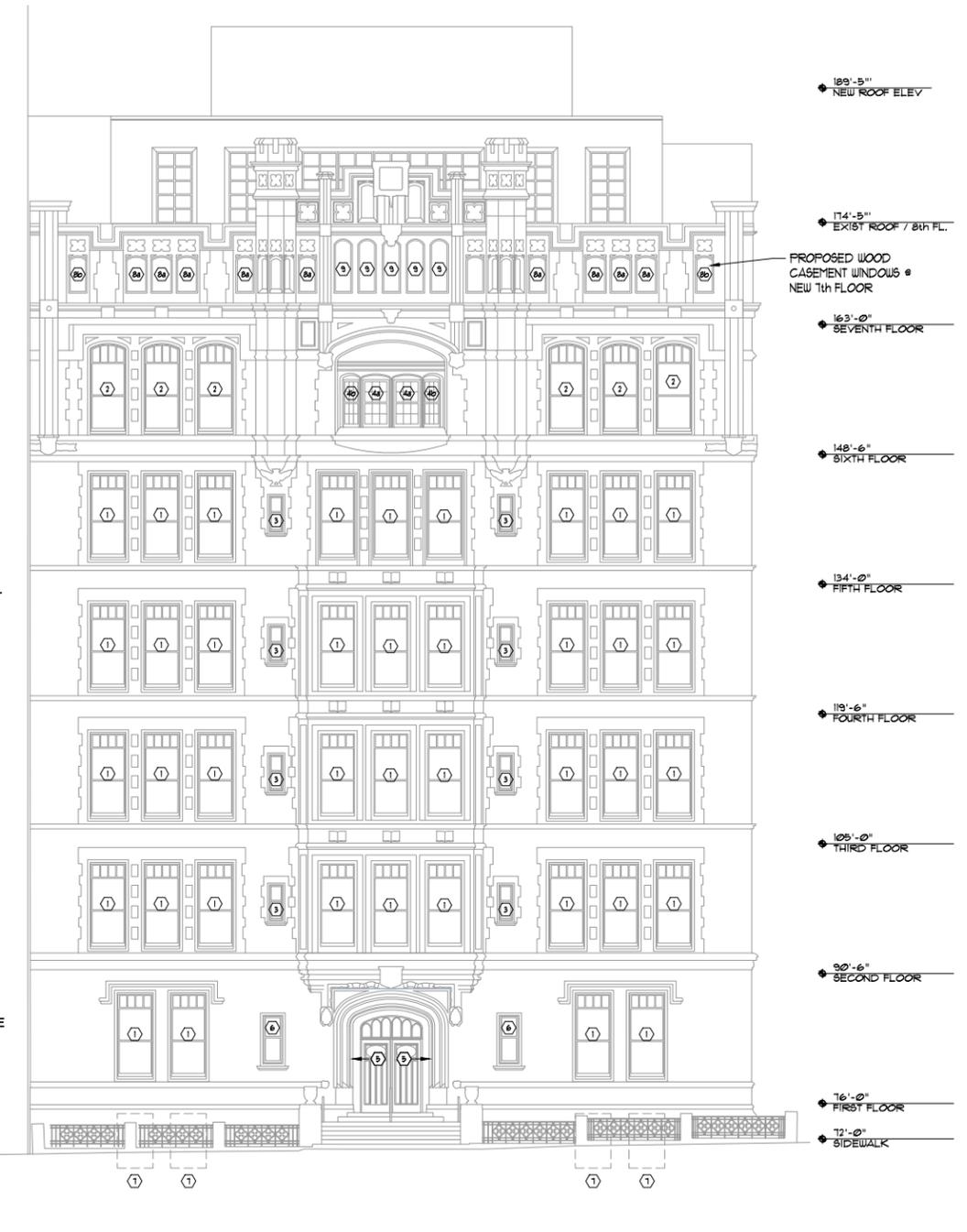
IMAGE OF ORIGINAL WINDOWS



IMAGE OF EXISTING WINDOWS



1 EXISTING EAST ELEVATION - WINDOWS
1/8" = 1'-0"



2 PROPOSED EAST ELEVATION - WINDOWS
1/8" = 1'-0"

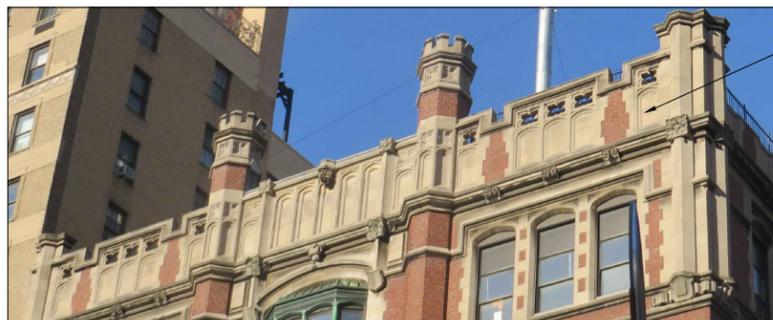


IMAGE OF EXISTING PARAPET

PROPOSED WOOD CASEMENT WINDOWS IN EXISTING BLIND OPENINGS, TYP. @ NEW 7th FLOOR



PROBE #1 WINDOW PROBE

ORIGINAL TRANSOM FRAME, WINDOW, AND BRICK MOLD REMAIN

NON-ORIGINAL ALUMINUM REPLACEMENT WINDOW

Tamarkin Co



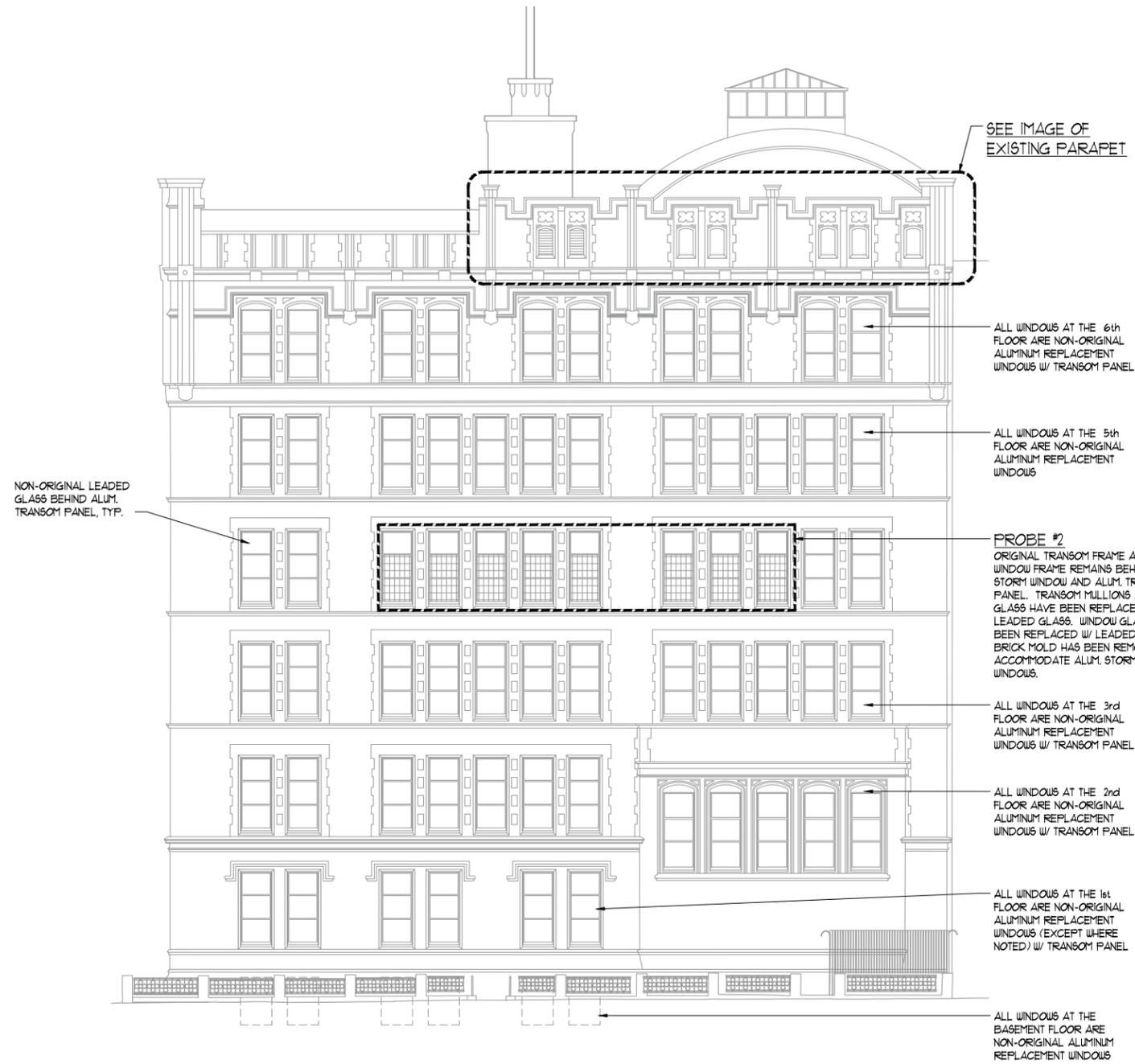
PROBE #3

ORIGINAL DOUBLE-HUNG WINDOW & BRICK MOLD

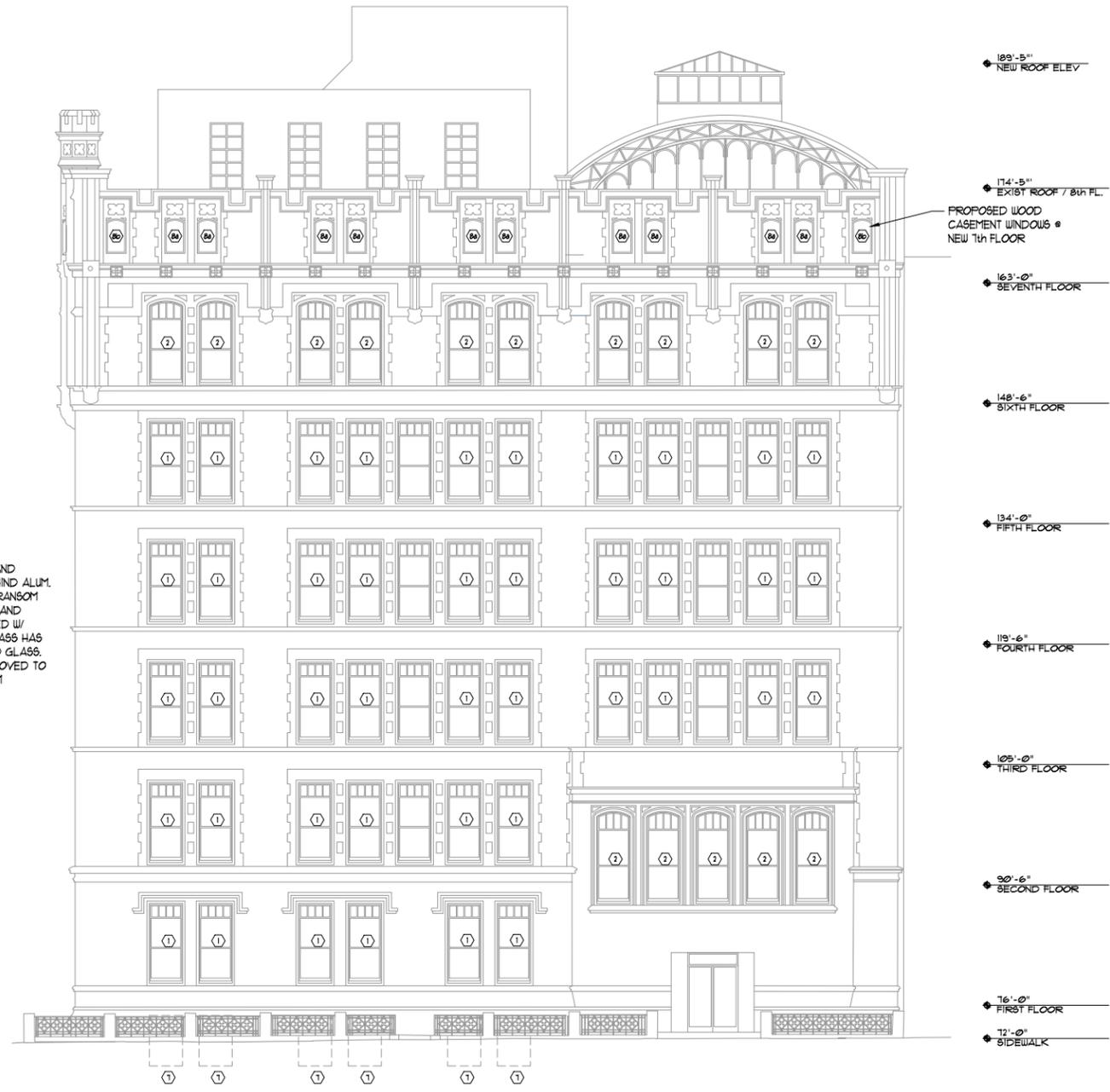


PROBE #4

ORIGINAL DOUBLE HUNG WINDOW W/ NON-ORIGINAL APPLIED LEAD GAMES & BRICK MOLD



1 EXISTING NORTH ELEVATION
1/8" = 1'-0"



2 PROPOSED NORTH ELEVATION
1/8" = 1'-0"

ORIGINAL TRANSOM FRAME REMAINS. ORIGINAL TRANSOM MULLIONS AND GLASS HAVE BEEN REPLACED W/ LEADED GLASS. ORIGINAL BRICK MOLD HAS BEEN REMOVED.

ORIGINAL WINDOW FRAME REMAINS. ORIGINAL WINDOW GLASS HAS BEEN REPLACED W/ LEADED GLASS. ORIGINAL BRICK MOLD HAS BEEN REMOVED.

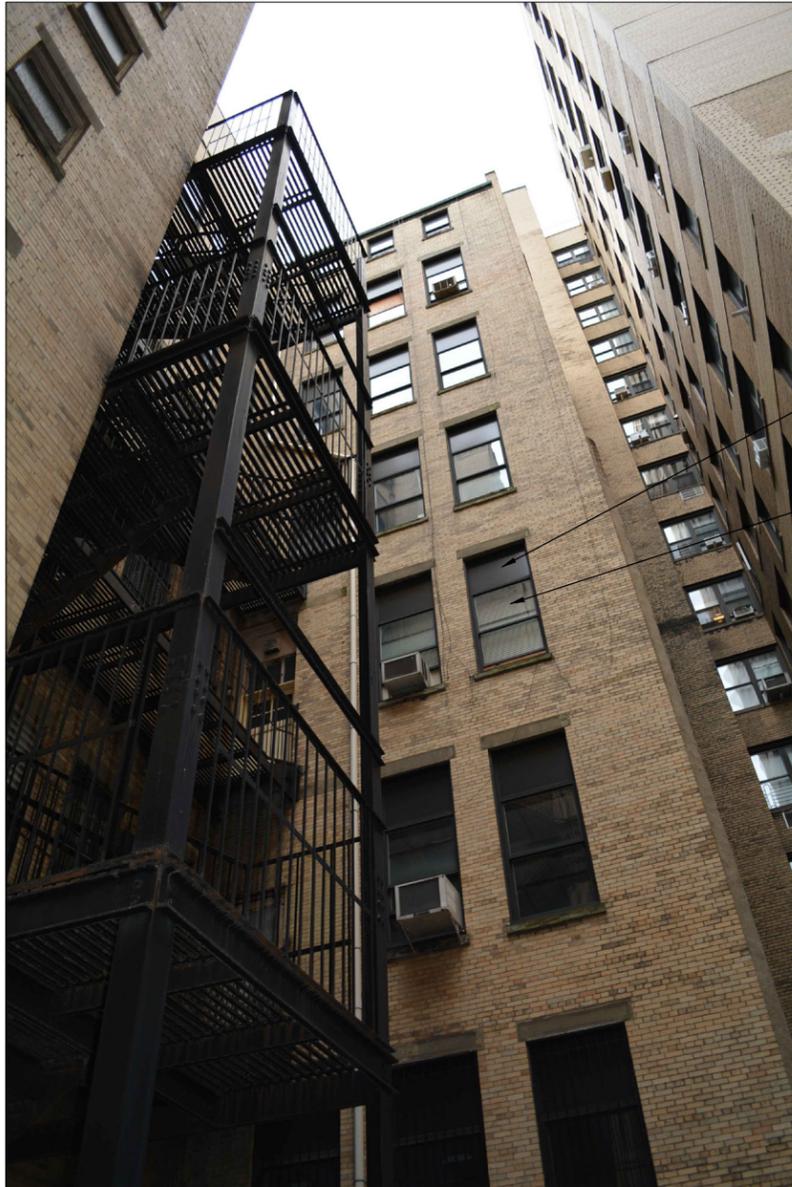


PROBE #2



IMAGE(S) OF EXISTING PARAPET

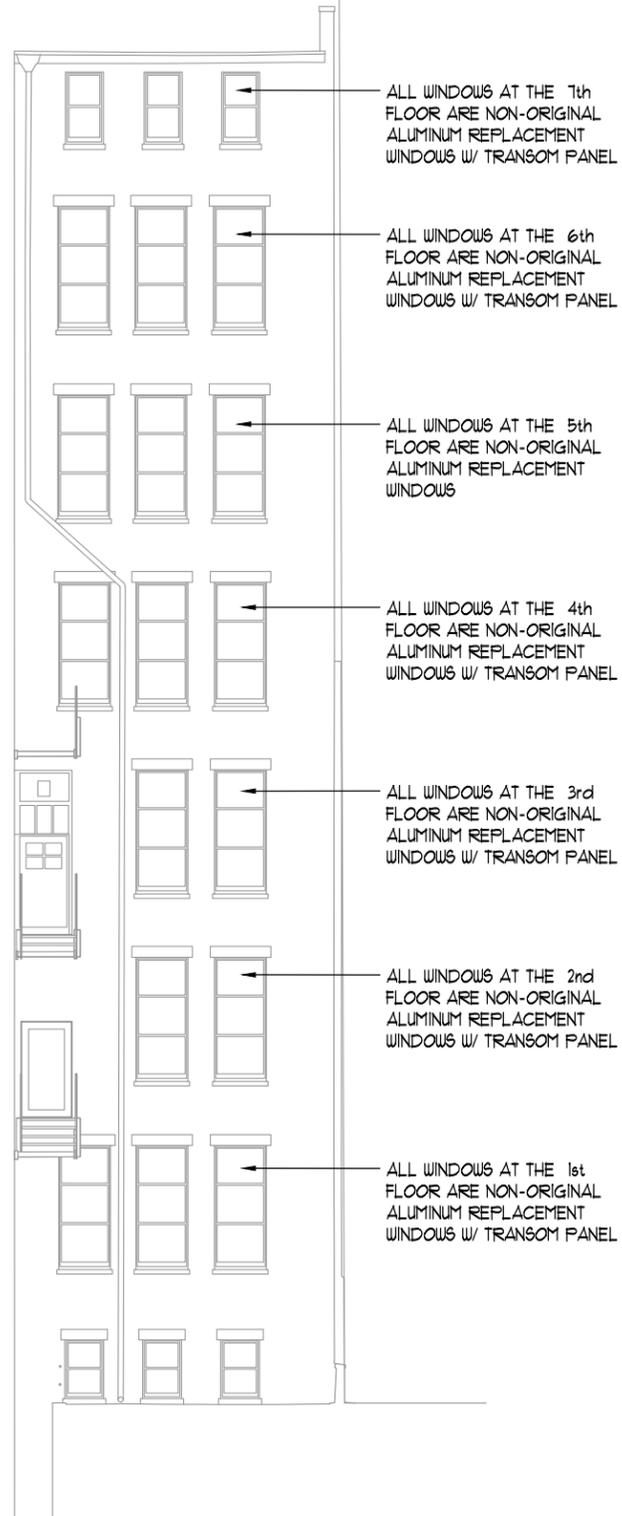
PROPOSED WOOD CASEMENT WINDOWS IN EXISTING BLIND OPENINGS, TYP. NEW 1th FLOOR



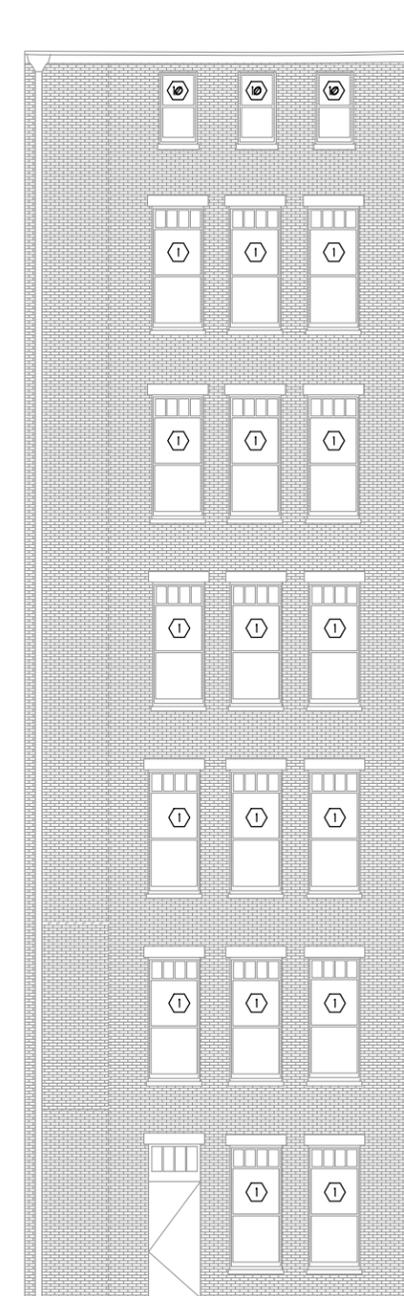
IMAGE(S) OF EXISTING WEST COURTYARD ELEVATION

NON-ORIGINAL
TRANSOM
PANEL, TYP.

NON-ORIGINAL
ALUMINUM
DOUBLE-HUNG
WINDOW, TYP.

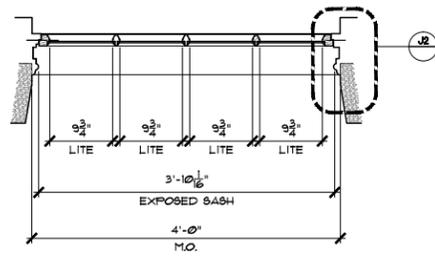


1 EXISTING WEST COURTYARD ELEVATION
1/8" = 1'-0"



- 189'-5" NEW ROOF ELEV
- 174'-5" EXIST ROOF / 8th FL.
- 163'-0" SEVENTH FLOOR
- 148'-6" SIXTH FLOOR
- 134'-0" FIFTH FLOOR
- 119'-6" FOURTH FLOOR
- 105'-0" THIRD FLOOR
- 90'-6" SECOND FLOOR
- 76'-0" FIRST FLOOR
- 72'-0" SIDEWALK

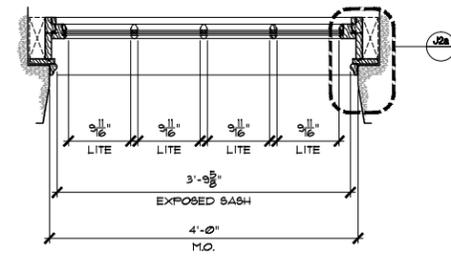
2 PROPOSED WEST COURTYARD ELEVATION
1/8" = 1'-0"



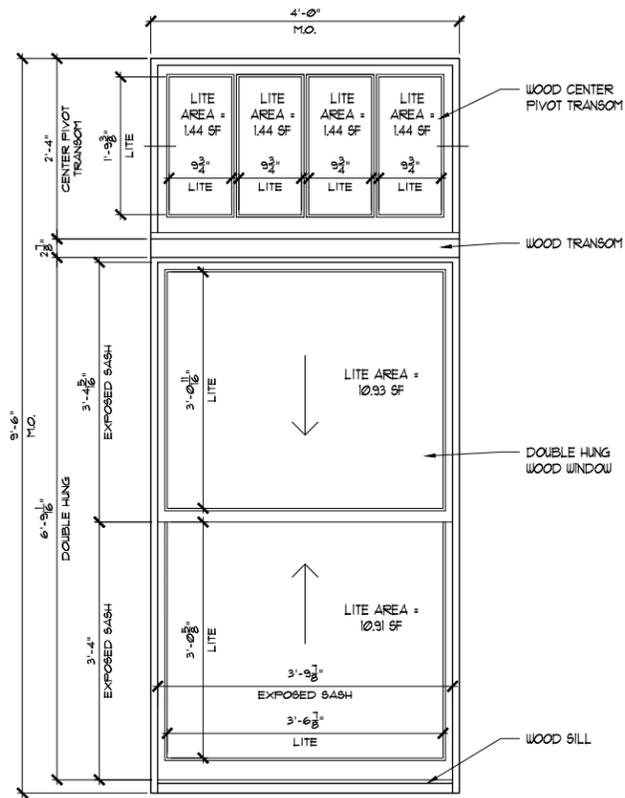
E4 TRANSOM PLAN SECTION
1" = 1'-0"

ORIGINAL TRANSOM, TRANSOM BAR, AND BRICK MOLD ARE IN PLACE AT THE EAST ELEVATION 4th FLOOR WINDOWS.

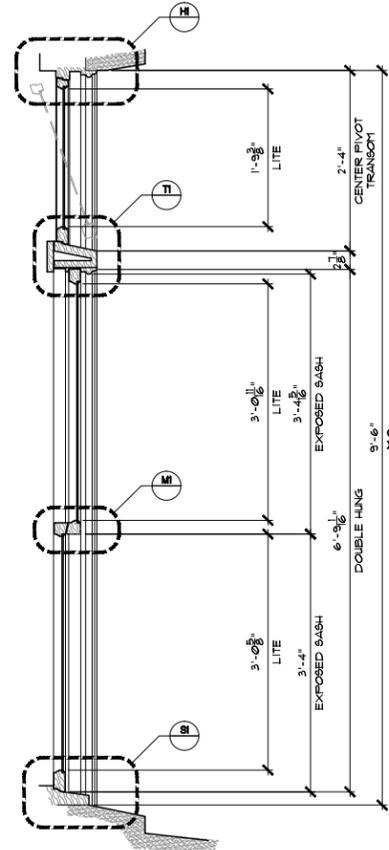
TRANSOM, TRANSOM BAR, AND BRICK MOLD INFORMATION IS BASED ON THE EXISTING ORIGINAL TRANSOM, TRANSOM BAR, AND BRICK MOLD IN PROBE #1



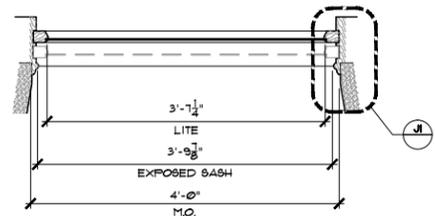
F4 TRANSOM PLAN SECTION
1" = 1'-0"



E1 EXISTING ELEVATION
1" = 1'-0"



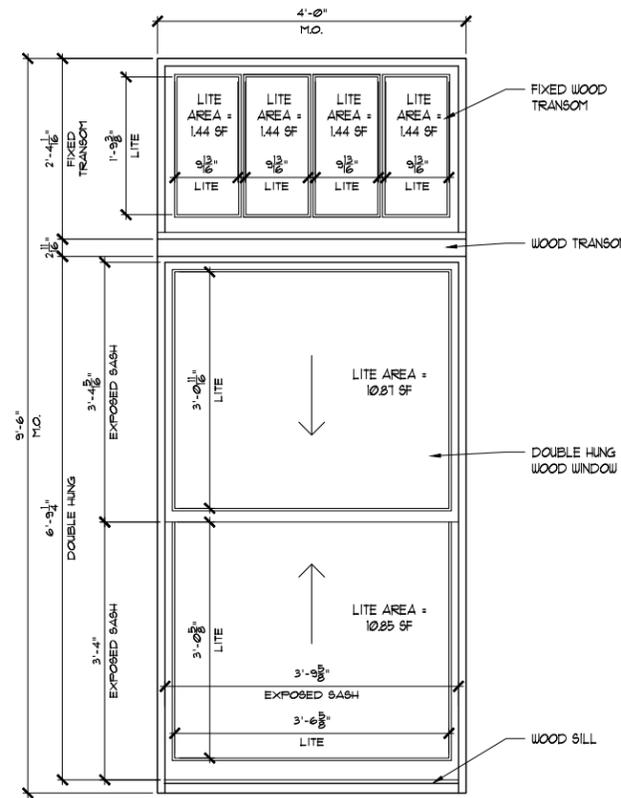
E2 EXISTING SECTION
1" = 1'-0"



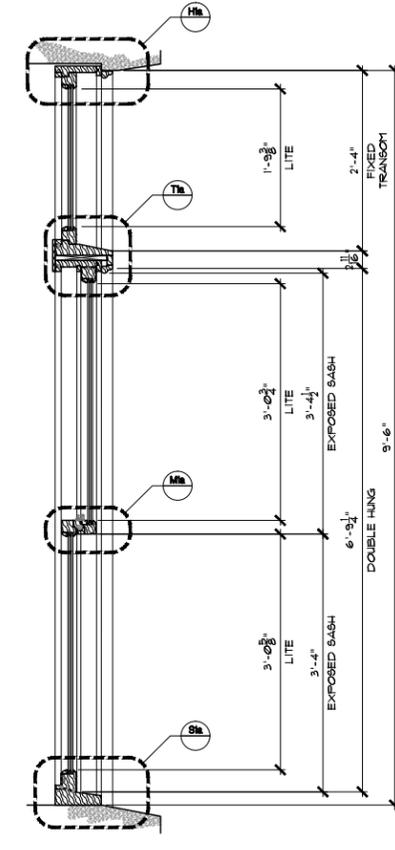
E3 DOUBLE HUNG PLAN SECTION
1" = 1'-0"

EXISTING DOUBLE-HUNG WINDOW FRAMES AND SASH ARE IN PLACE AT THE NORTH ELEVATION 4th FLOOR.

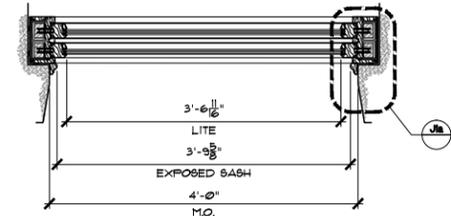
EXISTING DOUBLE HUNG WINDOW FRAME AND SASH INFORMATION IS BASED ON THE EXISTING ORIGINAL DOUBLE HUNG WINDOW IN PROBE #2



F1 PROPOSED ELEVATION
1" = 1'-0"



F2 PROPOSED SECTION
1" = 1'-0"



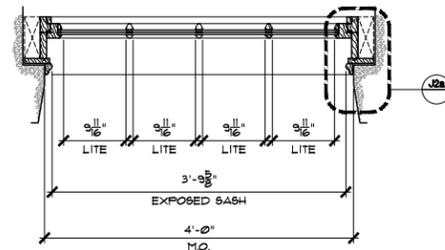
F3 DOUBLE HUNG PLAN SECTION
1" = 1'-0"

WINDOW TYPE 1 - EXISTING
(TYPICAL 1st - 5th FLOOR & COURTYARD)

EXISTING GLAZING AREA	PROPOSED GLAZING AREA	% CHANGE
27.6 SF	27.48 SF	- 0.43% CHANGE

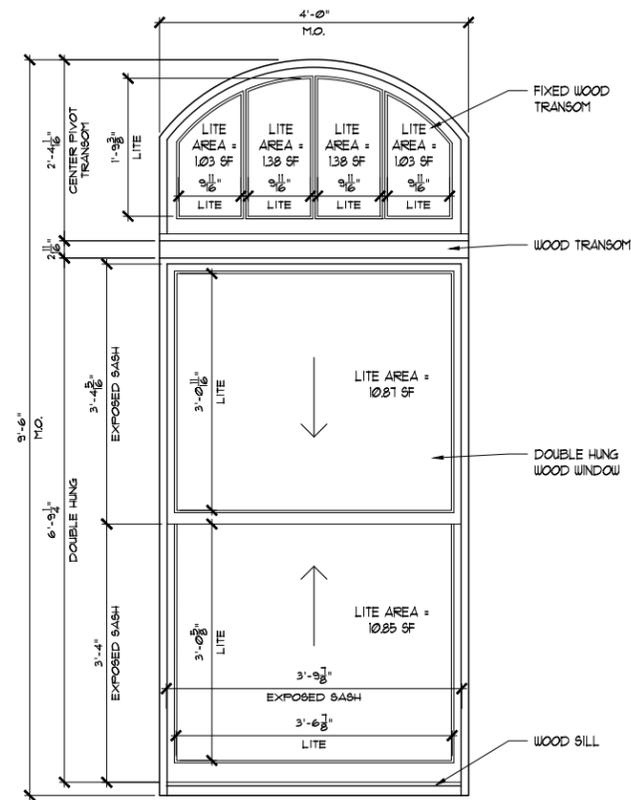
WINDOW TYPE 1 - PROPOSED
(TYPICAL 1st - 5th FLOOR & COURTYARD)

ALL ORIGINAL TRANSOM WINDOWS AT THE 6th FLOOR HAVE BEEN REMOVED AND REPLACED WITH AN ALUMINUM PANEL.

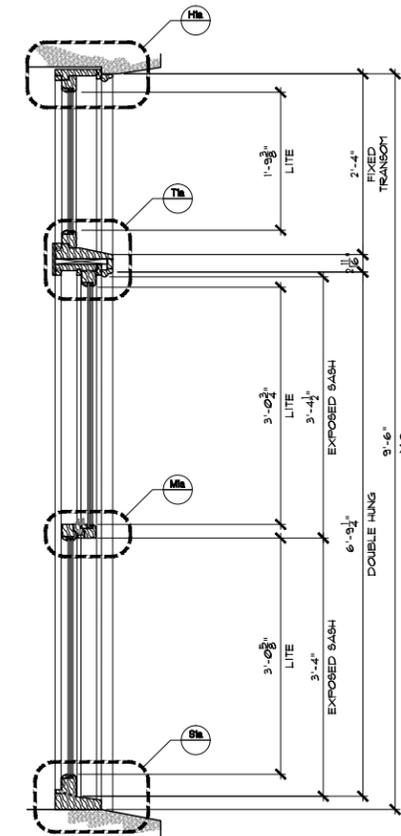


P4 TRANSOM PLAN SECTION
1" = 1'-0"

TRANSOM, TRANSOM BAR, AND BRICK MOLD INFORMATION ARE BASED ON THE EXISTING ORIGINAL TRANSOM, TRANSOM BAR, AND BRICK MOLD IN PROBE #1

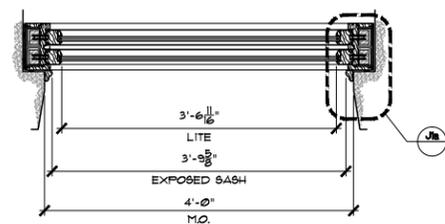


P1 PROPOSED ELEVATION
1" = 1'-0"



P2 PROPOSED SECTION
1" = 1'-0"

ALL ORIGINAL DOUBLE-HUNG WINDOWS AT THE 6th FLOOR HAVE BEEN REMOVED AND REPLACED WITH DOUBLE-HUNG ALUMINUM WINDOWS.

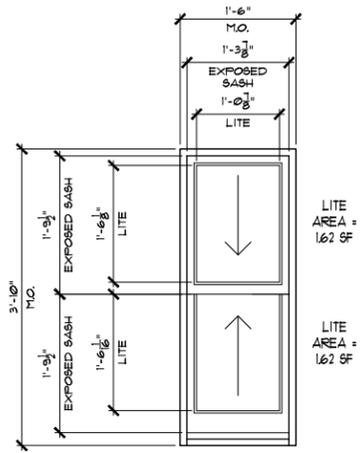


P3 DOUBLE HUNG PLAN SECTION
1" = 1'-0"

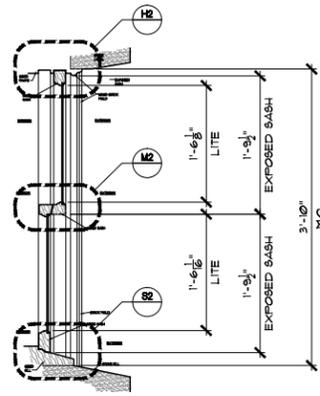
DOUBLE-HUNG WINDOW FRAME AND SASH INFORMATION IS BASED ON THE EXISTING ORIGINAL DOUBLE HUNG WINDOW IN PROBE #2

WINDOW TYPE 2 - EXISTING
(TYPICAL 6th FLOOR)

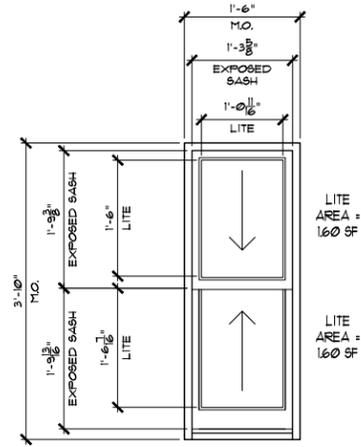
WINDOW TYPE 2 - PROPOSED
(TYPICAL 6th FLOOR)



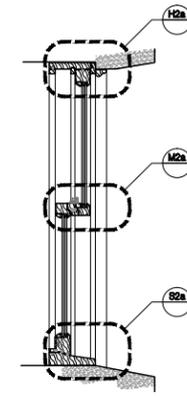
E1 EXISTING ELEVATION
1" = 1'-0"



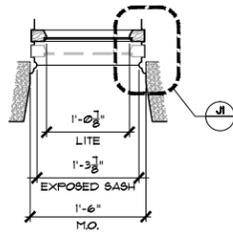
E2 EXISTING SECTION
1" = 1'-0"



P1 PROPOSED ELEVATION
1" = 1'-0"



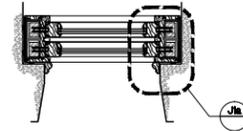
P2 PROPOSED SECTION
1" = 1'-0"



E3 EXISTING PLAN
1" = 1'-0"

ORIGINAL WINDOW, FRAME, AND BRICK MOLD ARE IN PLACE.

WINDOW FRAME AND SASH INFORMATION IS BASED ON THE EXISTING ORIGINAL WINDOW AND FRAME IN PROBE #3



P3 PROPOSED PLAN
1" = 1'-0"

WINDOW TYPE 3 - EXISTING
(TYPICAL 2nd - 5th FLOOR)

EXISTING GLAZING AREA	PROPOSED GLAZING AREA	% CHANGE
324 SF	32 SF	- 123% CHANGE

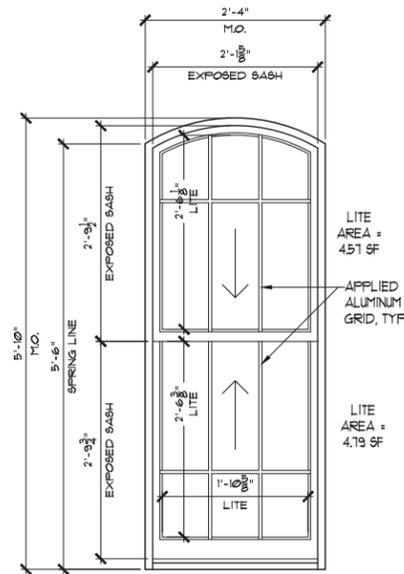
WINDOW TYPE 3 - PROPOSED
(TYPICAL 2nd - 5th FLOOR)



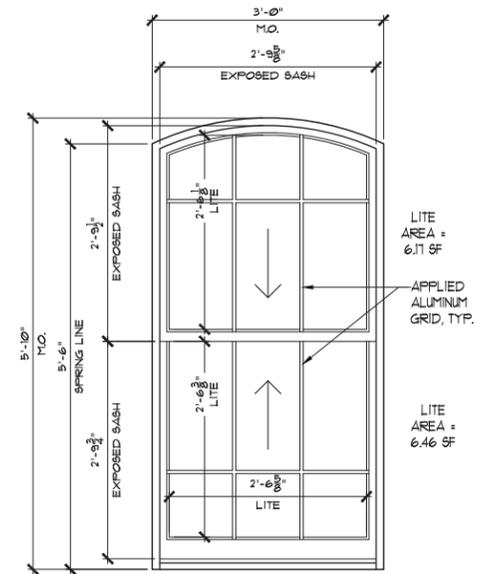
HISTORIC WINDOWS @ COPPER BAY

ORIGINAL WINDOWS AT COPPER BAY HAVE BEEN REMOVED AND REPLACED WITH DOUBLE-HUNG ALUMINUM WINDOWS.

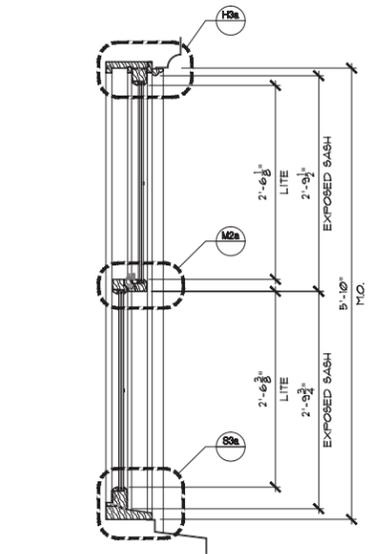
WINDOWS TYPE 4a & 4b - EXISTING
(COPPER BAY)



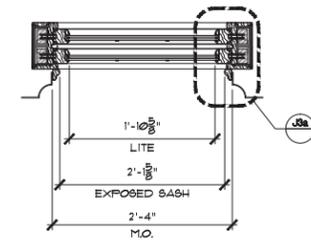
F1b 4b - EXISTING ELEVATION
1" = 1'-0"



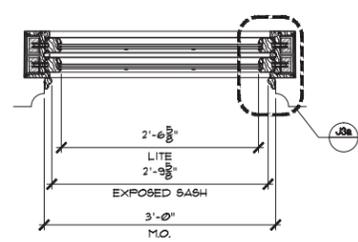
F1a 4a - EXISTING ELEVATION
1" = 1'-0"



F2 EXISTING SECTION
1" = 1'-0"



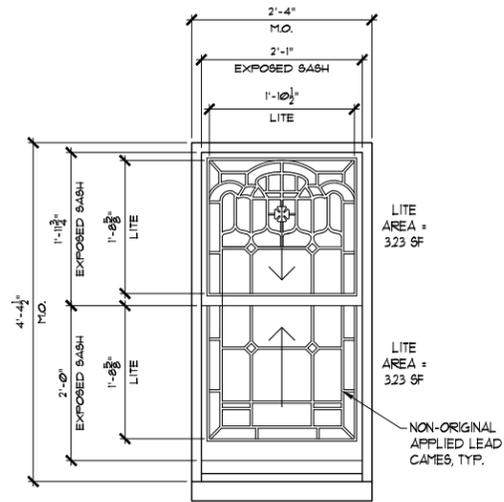
F3b 4b - EXISTING PLAN
1" = 1'-0"



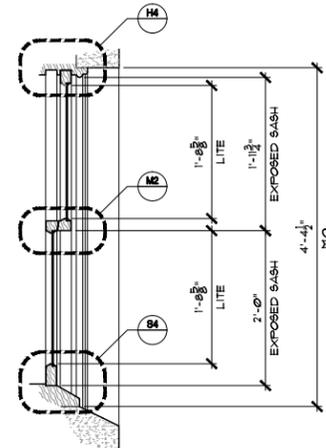
F3a 4a - EXISTING PLAN
1" = 1'-0"

WINDOW FRAME AND SASH INFORMATION IS BASED ON THE EXISTING ORIGINAL WINDOW AND FRAME IN PROBE #2

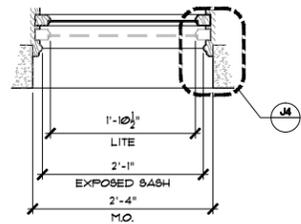
WINDOWS TYPE 4a & 4b - PROPOSED
(COPPER BAY)



E1 EXISTING ELEVATION
1" = 1'-0"



E2 EXISTING SECTION
1" = 1'-0"



E3 EXISTING PLAN
1" = 1'-0"

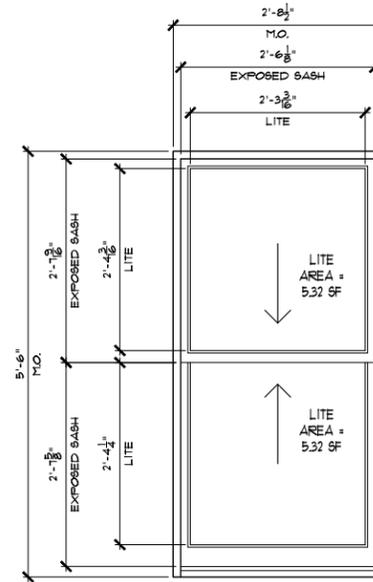
ORIGINAL WINDOW AND FRAME ARE IN PLACE.
WINDOW FRAME AND SASH INFORMATION WAS OBTAINED FROM THE EXISTING ORIGINAL WINDOW AND FRAME IN PROBE #4

EXISTING WINDOW TO REMAIN.
RESTORE EXISTING WINDOW AND APPLIED LEAD CAMES.

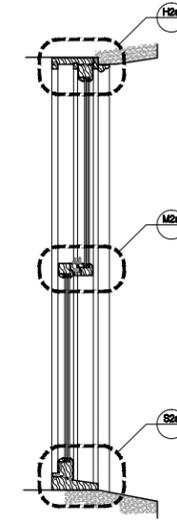
WINDOW TYPE 5 - EXISTING
(1st FLOOR @ ENTRY)

WINDOW TYPE 5 - PROPOSED
(1st FLOOR @ ENTRY)

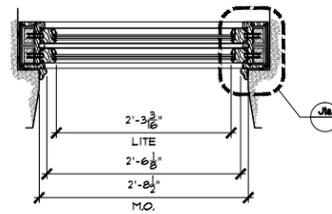
ORIGINAL DOUBLE-HUNG WINDOW AND FRAME HAVE BEEN REPLACED WITH AN DOUBLE-HUNG ALUMINUM WINDOW.



E1 EXISTING ELEVATION
1" = 1'-0"



E2 EXISTING SECTION
1" = 1'-0"

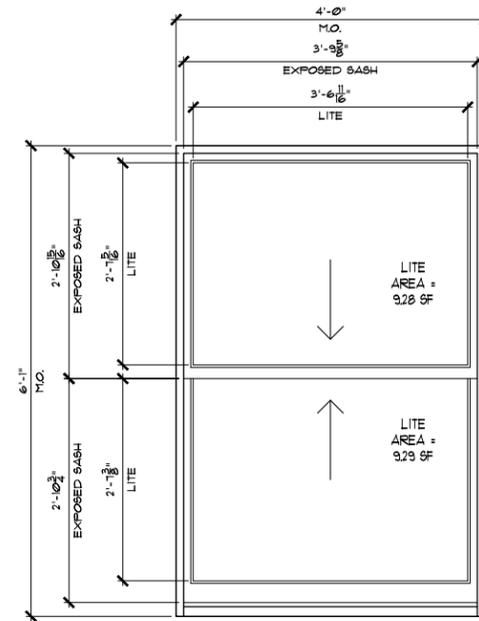


E3 EXISTING PLAN
1" = 1'-0"

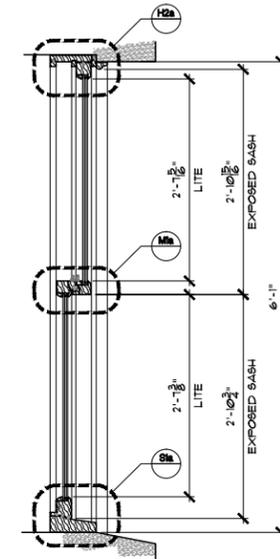
WINDOW FRAME AND SASH INFORMATION WAS OBTAINED FROM THE EXISTING ORIGINAL WINDOW AND FRAME IN PROBE #3

WINDOW TYPE 6 - EXISTING
(1st FLOOR - SMALL WINDOW)

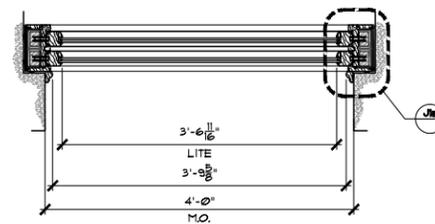
WINDOW TYPE 6 - PROPOSED
(1st FLOOR - SMALL WINDOW)



P1 PROPOSED ELEVATION
1" = 1'-0"



P2 PROPOSED SECTION
1" = 1'-0"



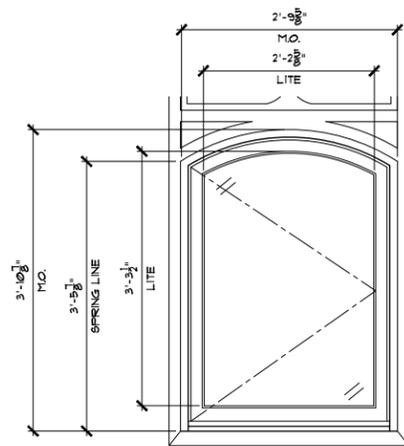
P3 PROPOSED PLAN
1" = 1'-0"

WINDOW FRAME AND SASH INFORMATION WAS OBTAINED FROM THE EXISTING ORIGINAL WINDOW AND FRAME IN PROBE #2

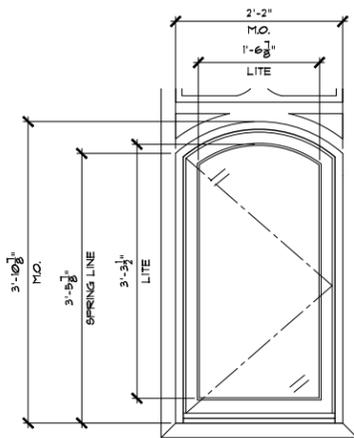
ORIGINAL DOUBLE-HUNG WINDOW AND FRAME HAVE BEEN REPLACED WITH A DOUBLE-HUNG ALUMINUM WINDOW.

WINDOW TYPE 7 - EXISTING
(BASEMENT WINDOW)

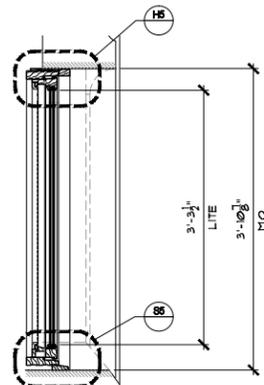
WINDOW TYPE 7 - PROPOSED
(BASEMENT WINDOW)



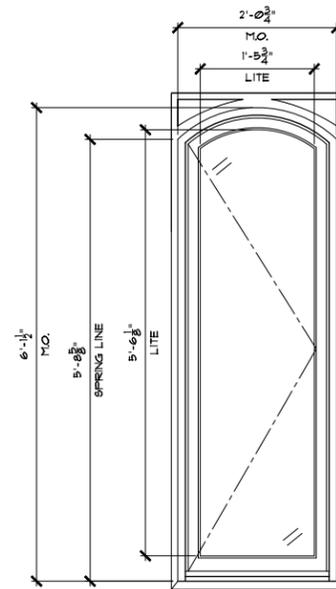
P1a 8a - PROPOSED ELEVATION
1" = 1'-0"



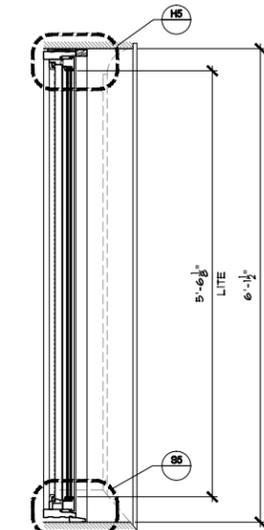
P1b 8b - PROPOSED ELEVATION
1" = 1'-0"



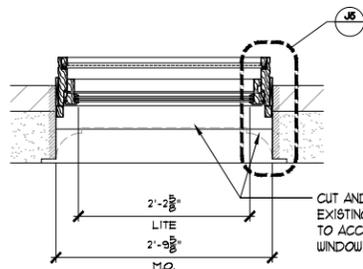
P2 PROPOSED SECTION
1" = 1'-0"



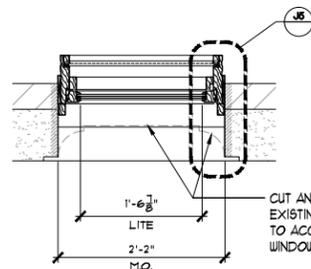
P1 PROPOSED ELEVATION
1" = 1'-0"



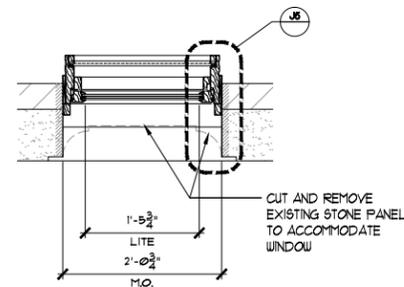
P1 PROPOSED SECTION
1" = 1'-0"



P3a 8a - PROPOSED ELEVATION
1" = 1'-0"

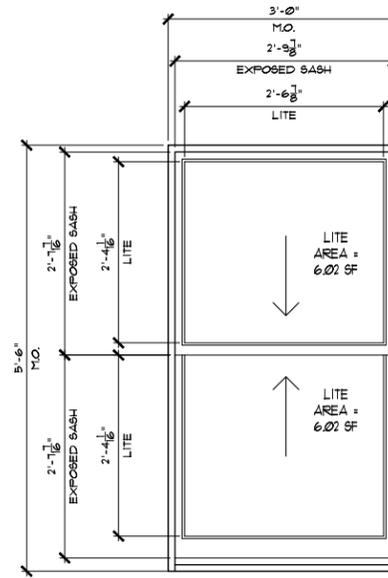


P3b 8b - PROPOSED ELEVATION
1" = 1'-0"

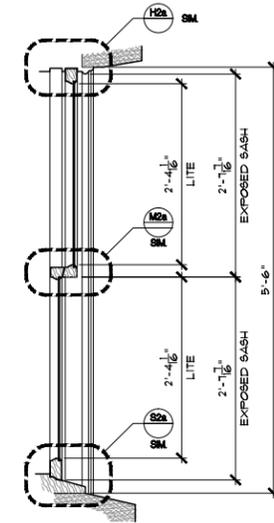


WINDOW TYPE 9 - PROPOSED
(NEW 7th FLOOR CASEMENT WINDOWS)

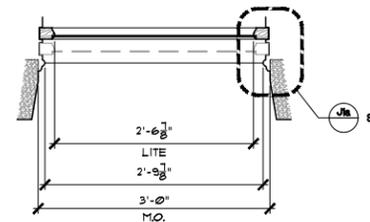
WINDOW TYPE 8a & 8b - PROPOSED
(NEW 7th FLOOR CASEMENT WINDOWS)



P1 PROPOSED ELEVATION
1" = 1'-0"



P2 PROPOSED SECTION
1" = 1'-0"



P3 PROPOSED PLAN
1" = 1'-0"

WINDOW FRAME AND SASH INFORMATION WAS OBTAINED FROM THE EXISTING ORIGINAL WINDOW AND FRAME IN PROBE #3

ORIGINAL DOUBLE-HUNG WINDOW AND FRAME HAVE BEEN REPLACED WITH A DOUBLE-HUNG ALUMINUM WINDOW.

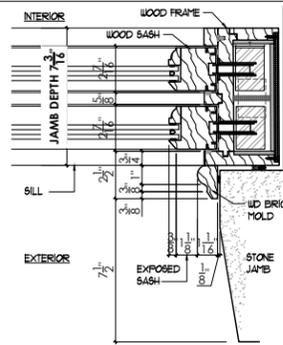
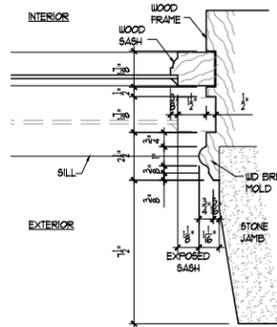
WINDOW TYPE 10 - EXISTING
(COURTYARD 7th FLOOR WINDOW)

WINDOW TYPE 10 - PROPOSED
(COURTYARD 7th FLOOR WINDOW)

WINDOW JAMBS

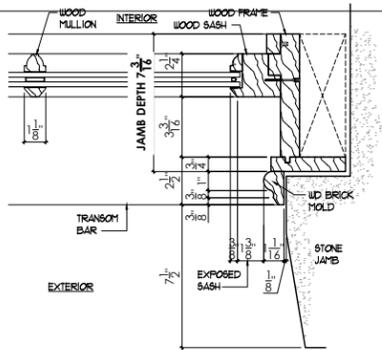
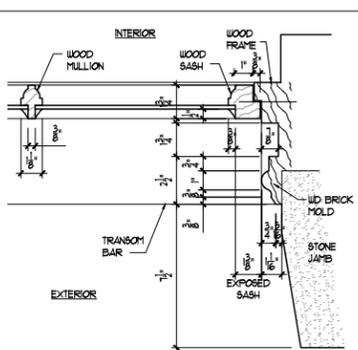
EXISTING

PROPOSED



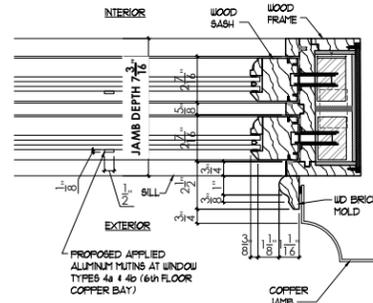
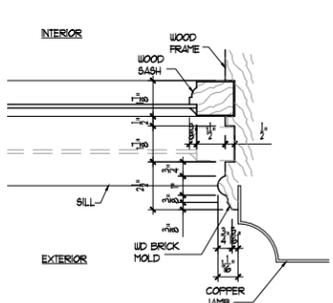
J1 EXISTING JAMB TYPE 1
3" = 1'-0"
DOUBLE-HUNG WINDOW - TYPE 1, 2, 3, 4a, 4b, 5

J1a PROPOSED JAMB TYPE 1
3" = 1'-0"



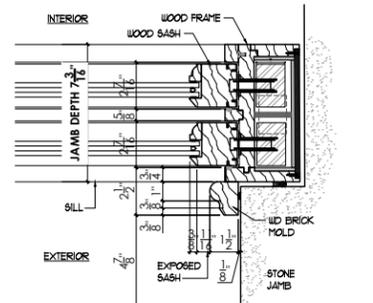
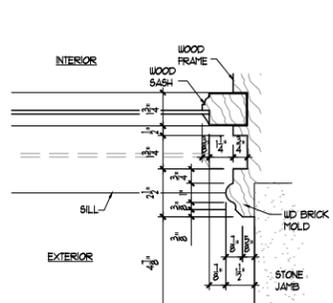
J2 EXISTING JAMB TYPE 2
3" = 1'-0"
TRANSOM WINDOW - TYPE 1 & 2

J2a PROPOSED JAMB TYPE 2
3" = 1'-0"



J3 EXISTING JAMB TYPE 4
3" = 1'-0"
DOUBLE-HUNG WINDOW @ COPPER BAY - TYPE 4a & 4b

J3a PROPOSED JAMB TYPE 4
3" = 1'-0"
PROPOSED APPLIED ALUMINUM MITERS AT WINDOW TYPES 4a & 4b (6th FLOOR COPPER BAY)



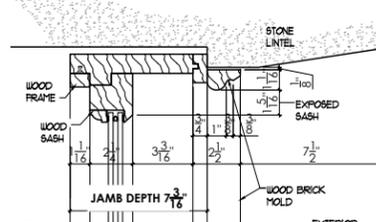
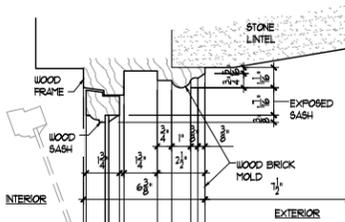
J4 EXISTING JAMB TYPE 3
3" = 1'-0"
DOUBLE-HUNG WINDOW - TYPE 6

J4a PROPOSED JAMB TYPE 3
3" = 1'-0"

WINDOW HEADS

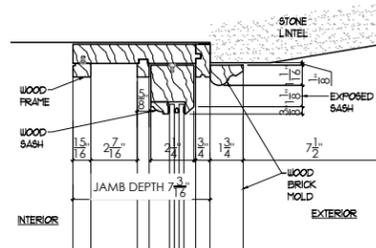
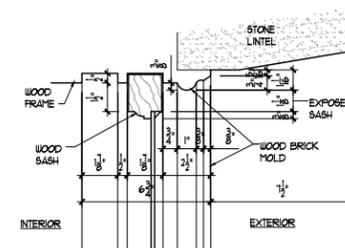
EXISTING

PROPOSED



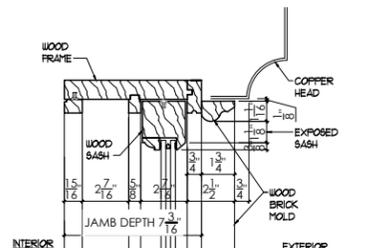
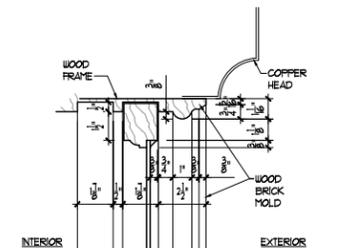
H1 EXISTING HEAD TYPE 1
3" = 1'-0"
TRANSOM WINDOW - TYPE 1&2

H1a PROPOSED HEAD TYPE 1
3" = 1'-0"



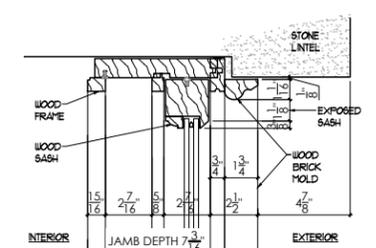
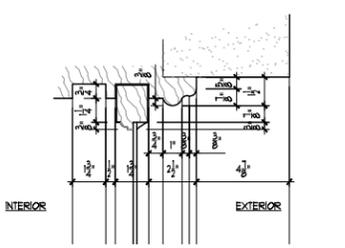
H2 EXISTING HEAD TYPE 2
3" = 1'-0"
DOUBLE-HUNG WINDOW - TYPE 3, 7

H2a PROPOSED HEAD TYPE 2
3" = 1'-0"



H3 EXISTING HEAD TYPE 3
3" = 1'-0"
DOUBLE-HUNG WINDOW @ COPPER BAY - TYPE 4a & 4b

H3a PROPOSED HEAD TYPE 3
3" = 1'-0"



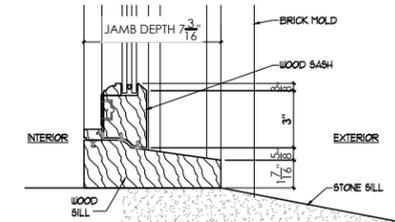
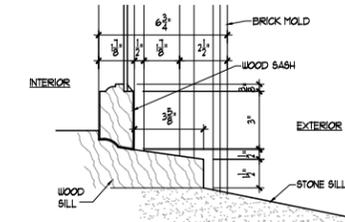
H4 EXISTING HEAD TYPE 4
3" = 1'-0"
DOUBLE-HUNG WINDOW - TYPE 6

H4a PROPOSED HEAD TYPE 4
3" = 1'-0"

WINDOW SILLS

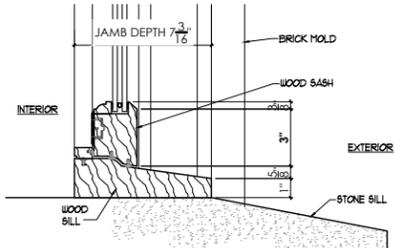
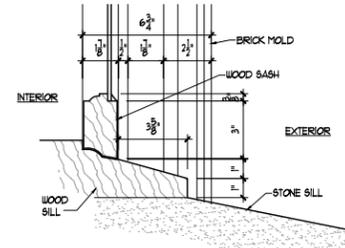
EXISTING

PROPOSED



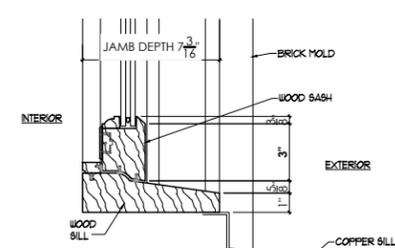
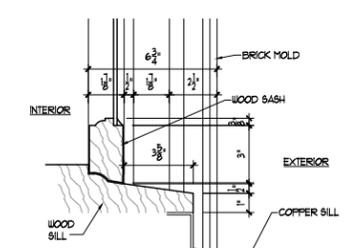
S1 EXISTING SILL - TYPE 1
3" = 1'-0"
DOUBLE-HUNG WINDOW - TYPE 1, 2

S1a EXISTING SILL - TYPE 1
3" = 1'-0"



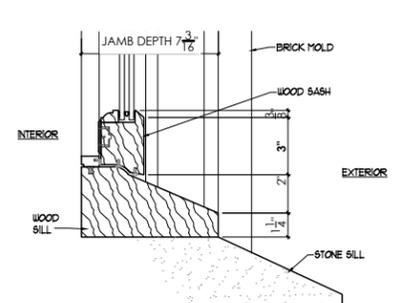
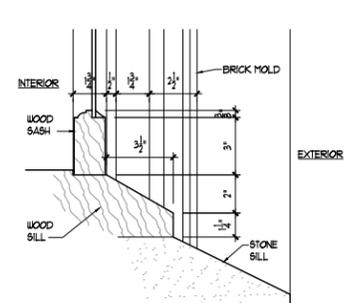
S2 EXISTING SILL - TYPE 2
3" = 1'-0"
DOUBLE-HUNG WINDOW - TYPE 3

S2a EXISTING SILL - TYPE 2
3" = 1'-0"



S3 EXISTING SILL TYPE 3
3" = 1'-0"
DOUBLE-HUNG WINDOW @ COPPER BAY - TYPE 4a & 4b

S3 PROPOSED SILL TYPE 3
3" = 1'-0"



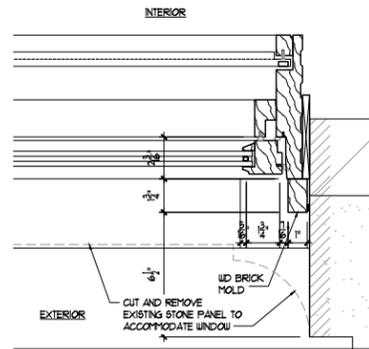
S4 EXISTING SILL TYPE 4
3" = 1'-0"
DOUBLE-HUNG WINDOW - TYPE 6

S4a PROPOSED SILL TYPE 4
3" = 1'-0"

WINDOW JAMBS

EXISTING

PROPOSED

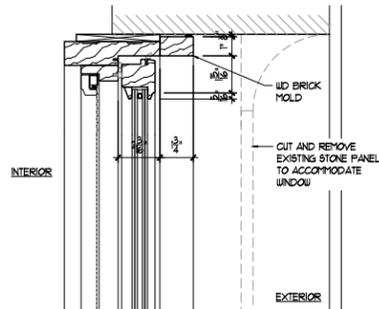


J5 PROPOSED JAMB TYPE 5
3" = 1'-0"
CASEMENT WINDOW @ 7th FLOOR- TYPE 8 & 9

WINDOW HEADS

EXISTING

PROPOSED

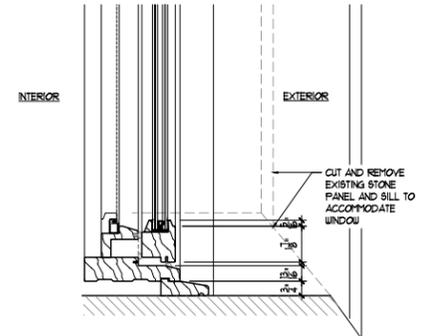


H5 PROPOSED HEAD TYPE 5
3" = 1'-0"
CASEMENT WINDOW @ 7th FLOOR- TYPE 8 & 9

WINDOW SILLS

EXISTING

PROPOSED

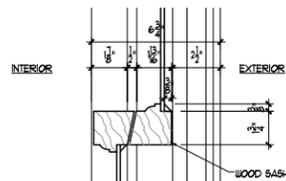


S5 PROPOSED SILL TYPE 5
3" = 1'-0"
CASEMENT WINDOW @ 7th FLOOR- TYPE 8 & 9

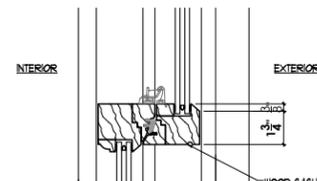
MEETING RAILS

EXISTING

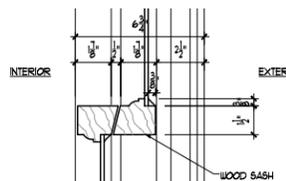
PROPOSED



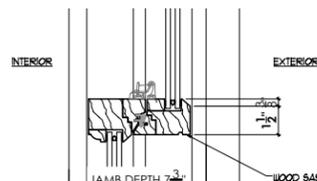
M1 EXISTING MEETING RAIL - TYPE 1
3" = 1'-0"
DOUBLE-HUNG WINDOW - TYPE 1, 2, 3, 4a, 4b, 5



M1a PROPOSED MEETING RAIL - TYPE 1
3" = 1'-0"



M2 EXISTING MEETING RAIL - TYPE 2
3" = 1'-0"
DOUBLE-HUNG WINDOW - TYPE 3 & 10

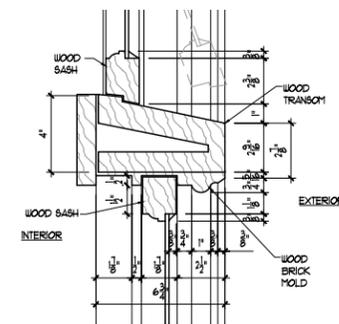


M2a PROPOSED MEETING RAIL - TYPE 2
3" = 1'-0"

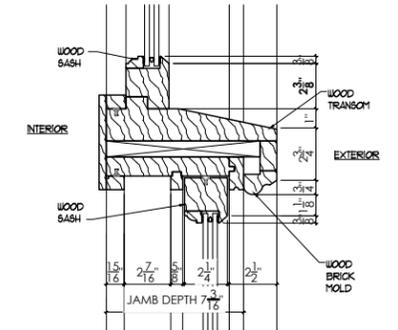
TRANSOM

EXISTING

PROPOSED



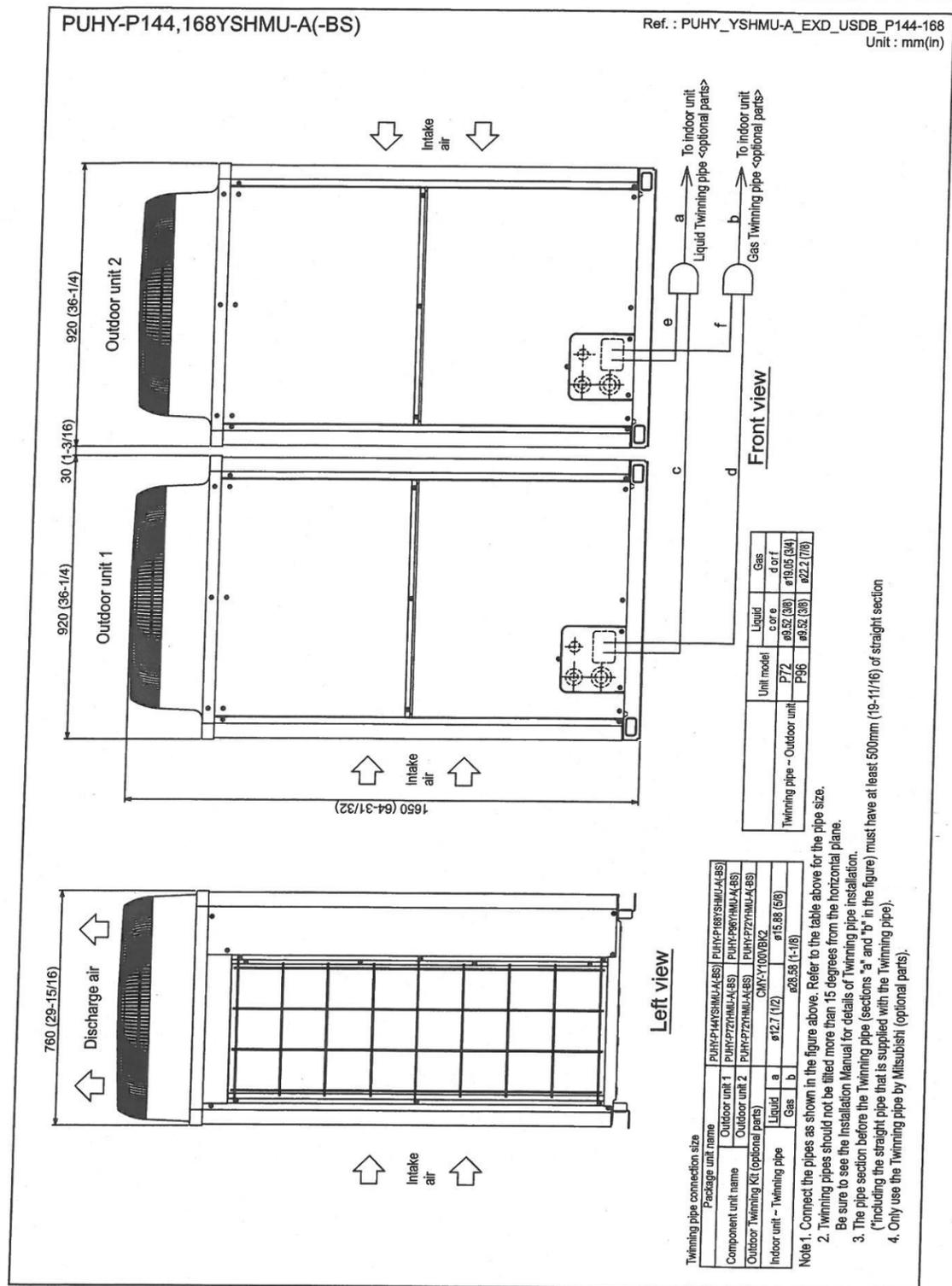
T1 EXISTING TRANSOM
3" = 1'-0"
TRANSOM WINDOW - TYPE 1 & 2



T1a PROPOSED TRANSOM
3" = 1'-0"
TRANSOM WINDOW - TYPE 1 & 2

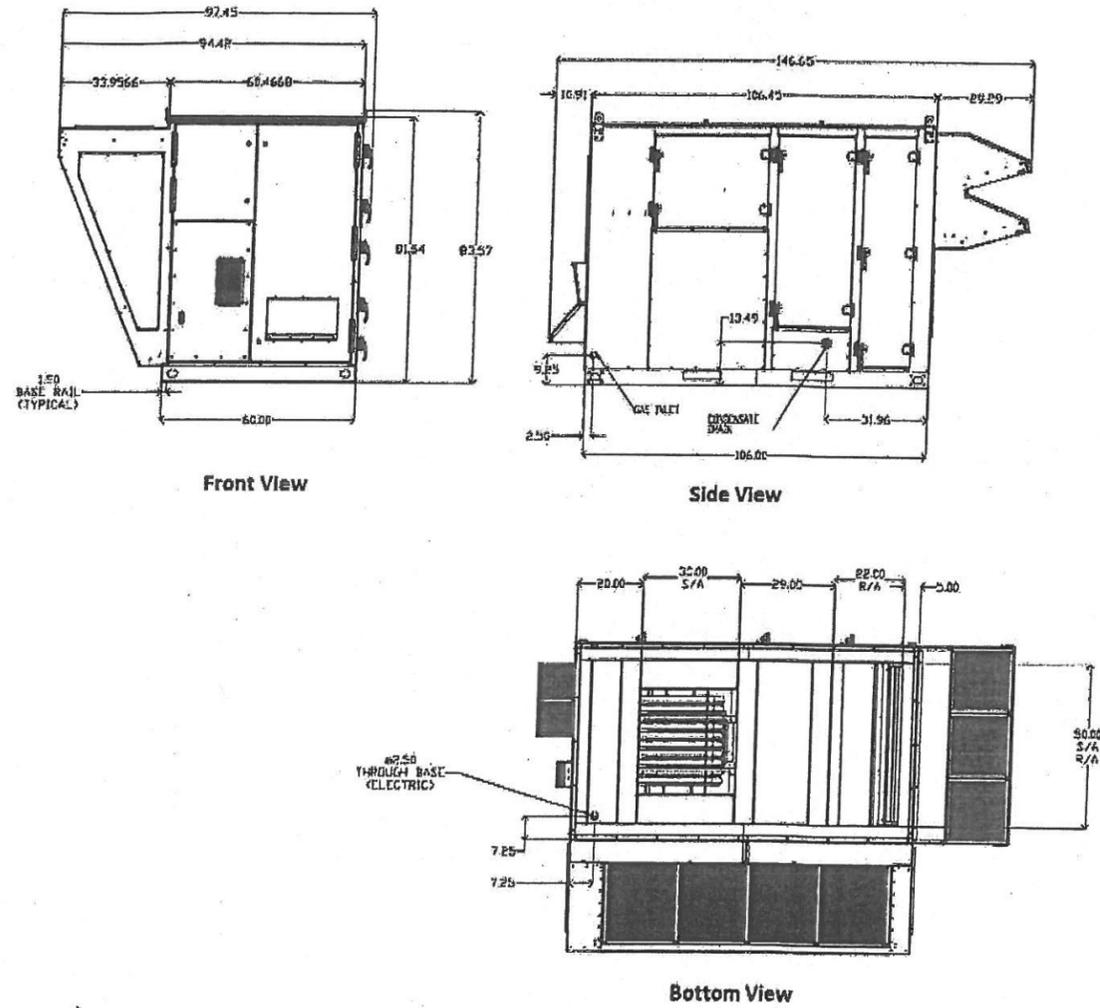
2. EXTERNAL DIMENSIONS

DATA U4



Y-SERIES

Unit Dimensions - 12-30 Ton R-410A PKGD Unitary Cooling Rooftop
 Qty: 1 Tags: AC-R-1



FLD = Fulfilled by Trene / Installed by Others

Trene Equipment Submittal

Page 7 of 12

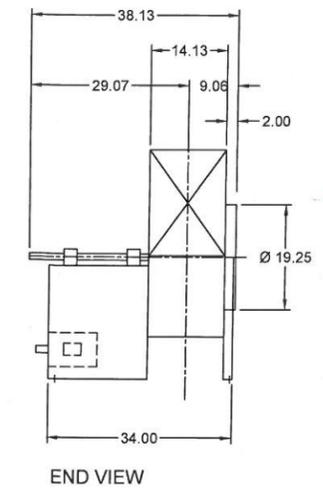
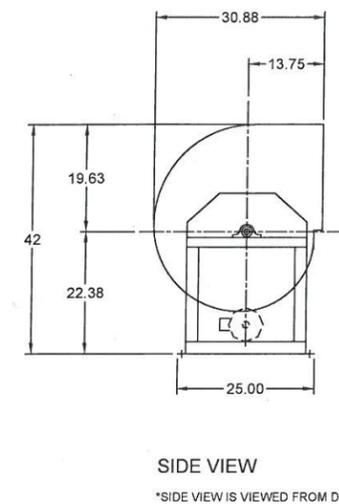
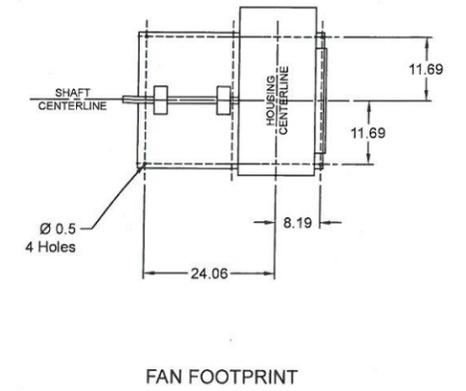
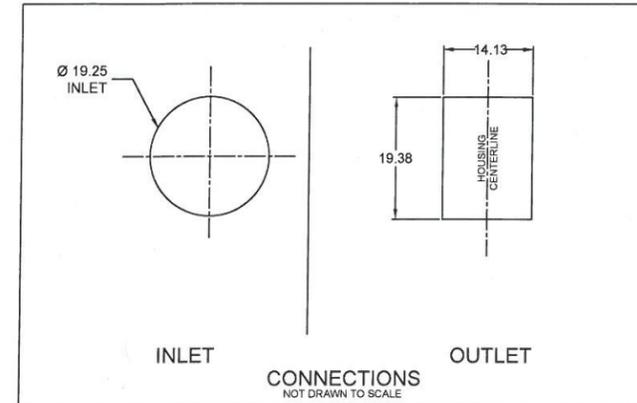
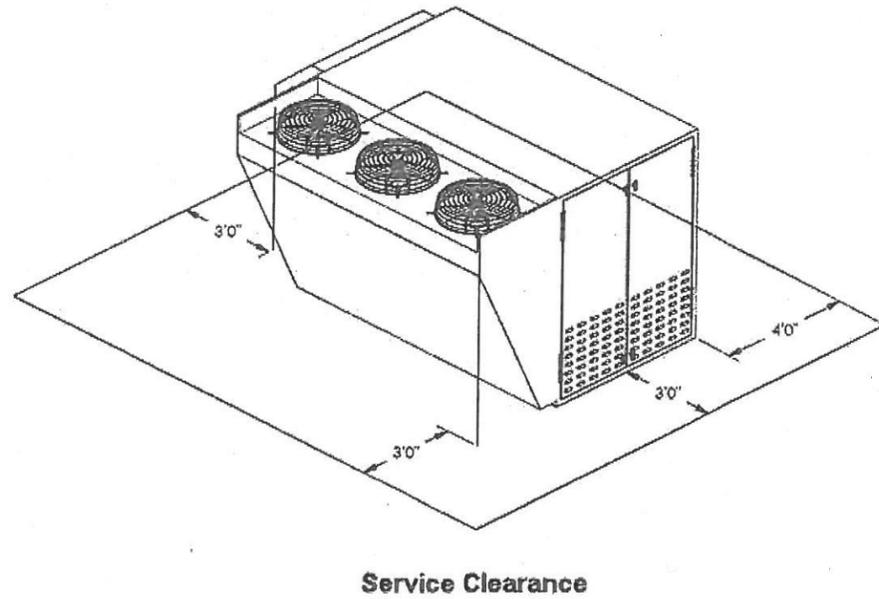
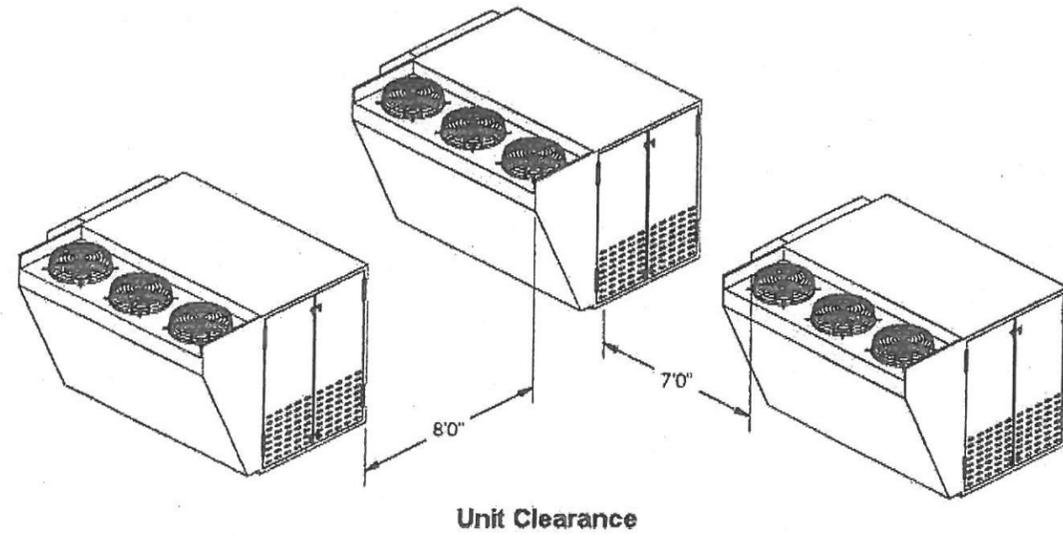


Printed Date: 3/2/2015
 Job: 555 WEA
 Mark: TX-R-1

SWB-118-20

Backward Inclined Centrifugal Utility Fan

Clearance Diagram - 12-30 Ton R-410A PKGD Unitary Cooling Rooftop
 Qty: 1 Tags: AC-R-1



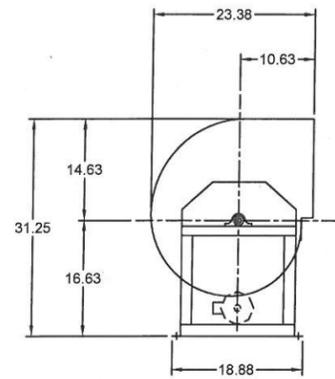
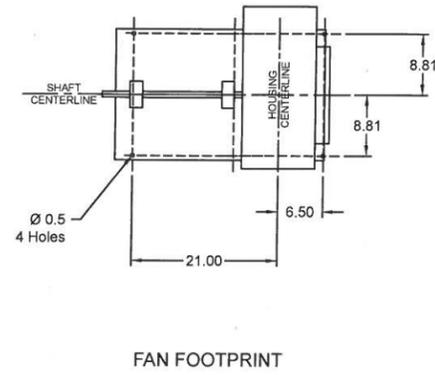
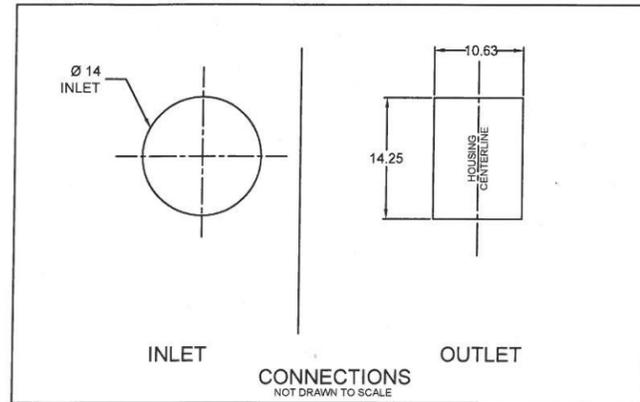
Notes: All dimensions shown are in units of in.



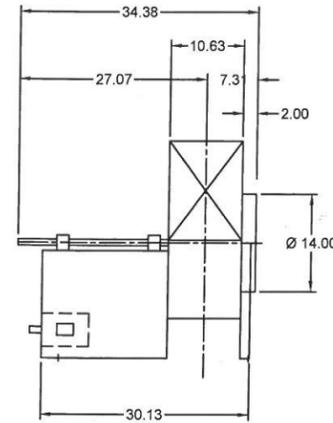
Printed Date: 3/2/2015
 Job: 555 WEA
 Mark: KX-R-1

SWB-113-10

Backward Inclined Centrifugal Utility Fan



SIDE VIEW
 *SIDE VIEW IS VIEWED FROM DRIVE SIDE



END VIEW

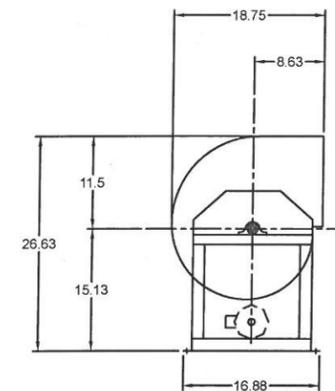
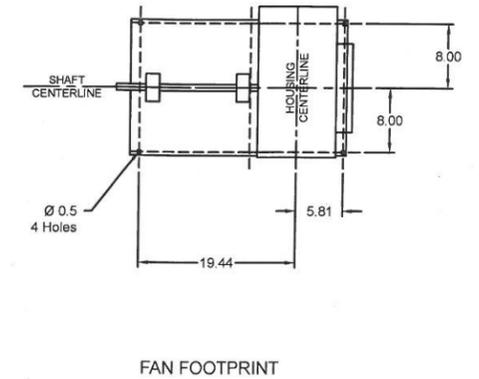
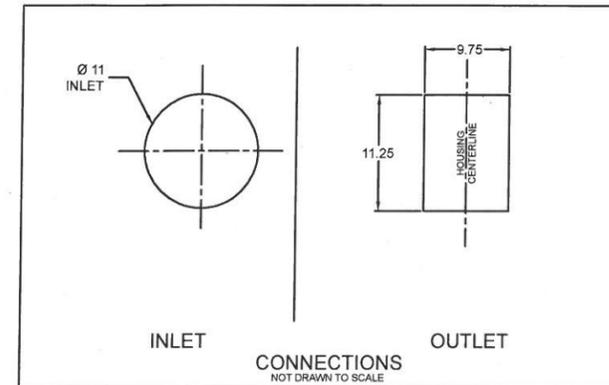
Notes: All dimensions shown are in units of in.



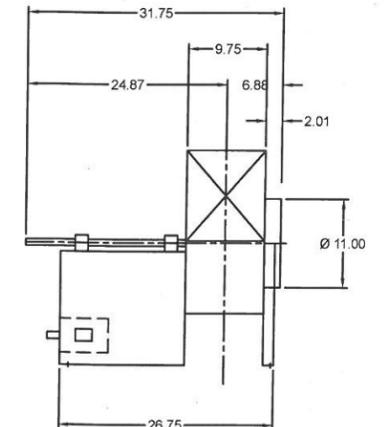
Printed Date: 3/2/2015
 Job: 555 WEA
 Mark: DX-R-1

SWB-108-7

Backward Inclined Centrifugal Utility Fan



SIDE VIEW
 *SIDE VIEW IS VIEWED FROM DRIVE SIDE



END VIEW

Notes: All dimensions shown are in units of in.