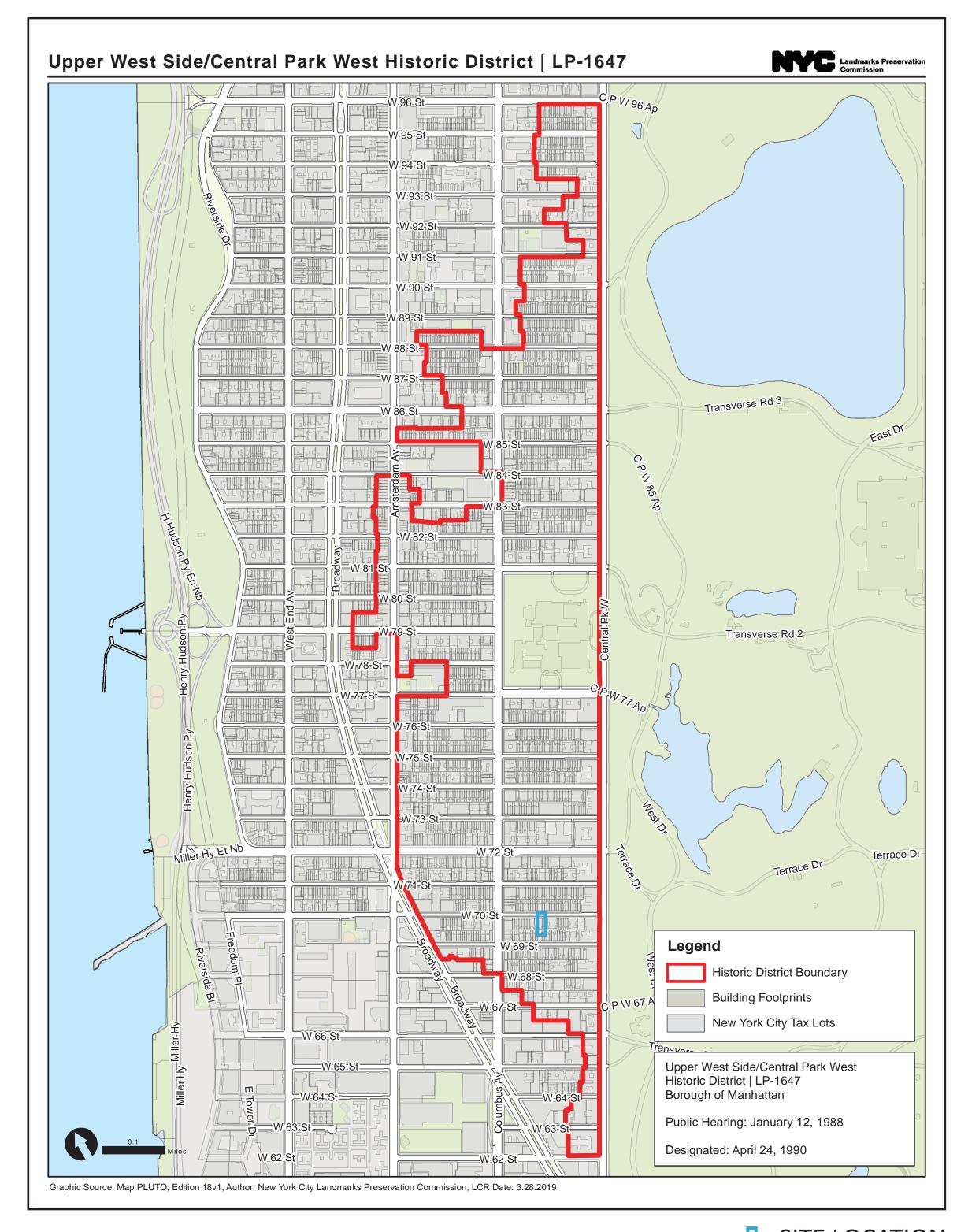
# SITE LOCATION DISTRICT MAP, EXISTING ELEVATION PHOTOS & PROPOSED ELEVATIONS

## 42 WEST 70 STREET (NY)

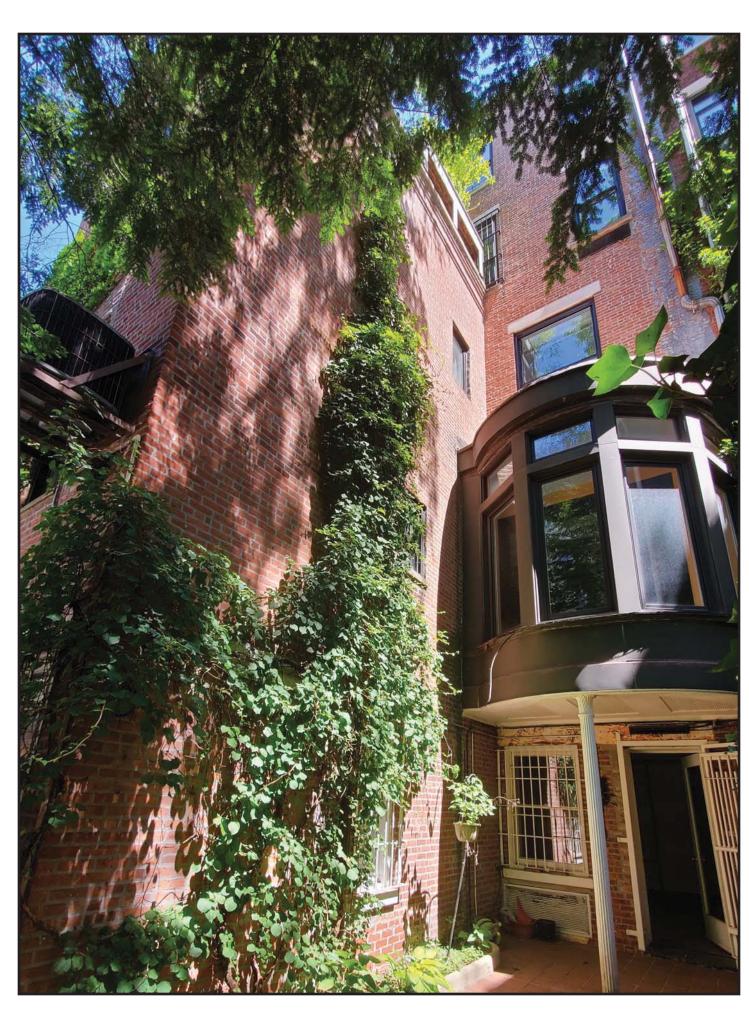


: SITE LOCATION

### **EXISTING FRONT ELEVATION**



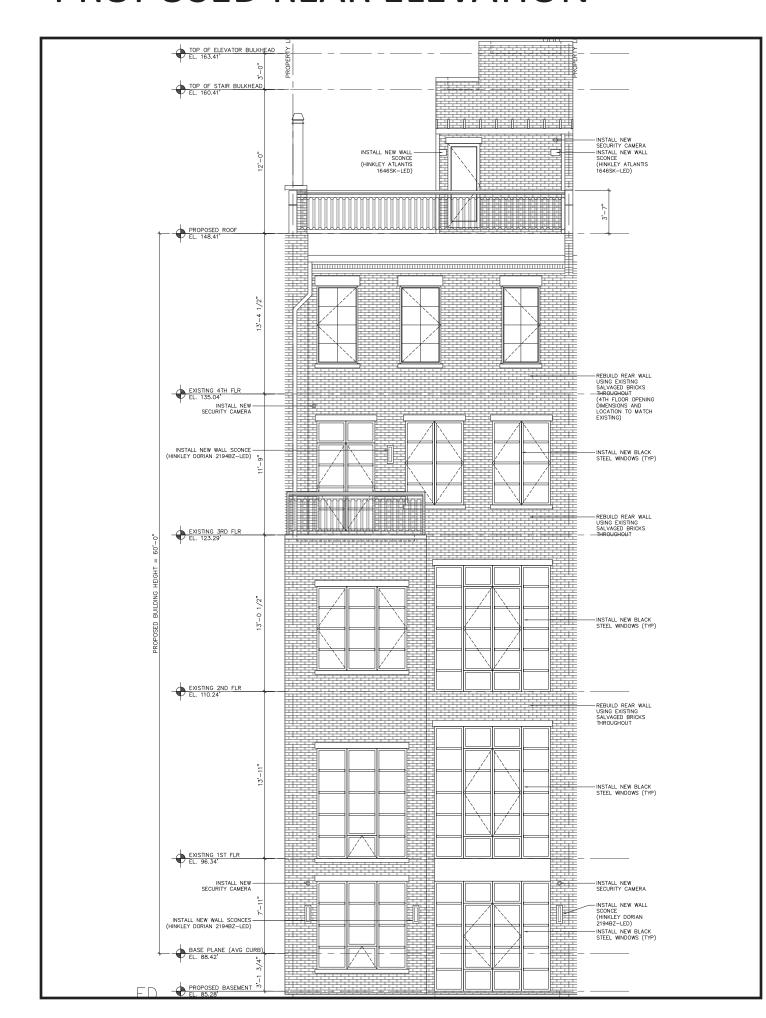
EXISTING REAR ELEVATION



### PROPOSED FRONT ELEVATION



### PROPOSED REAR ELEVATION





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VISION NO. REVISION DATE

PROJECT LOCATION

ALT-CO 42 WEST 70 STREET NEW YORK, NY 10023

DISTRICT MAP,
EXISTING ELEVATION PHOTOS
AND PROPOSED ELEVATIONS

DESIGN APPLICANT



NYC DOB NUMBER

LPC DOCKET # 22-00604

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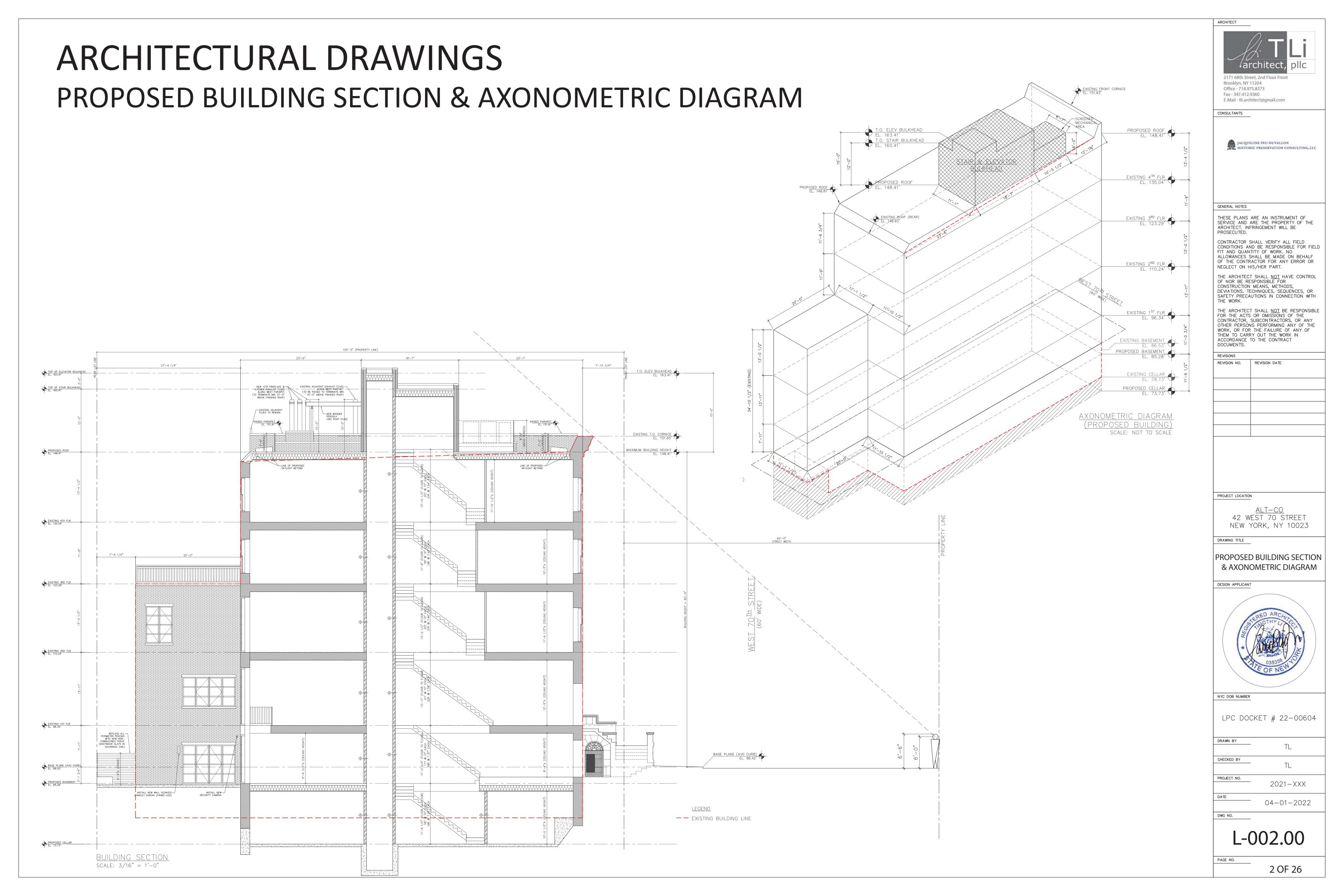
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DATE 04-01-2022

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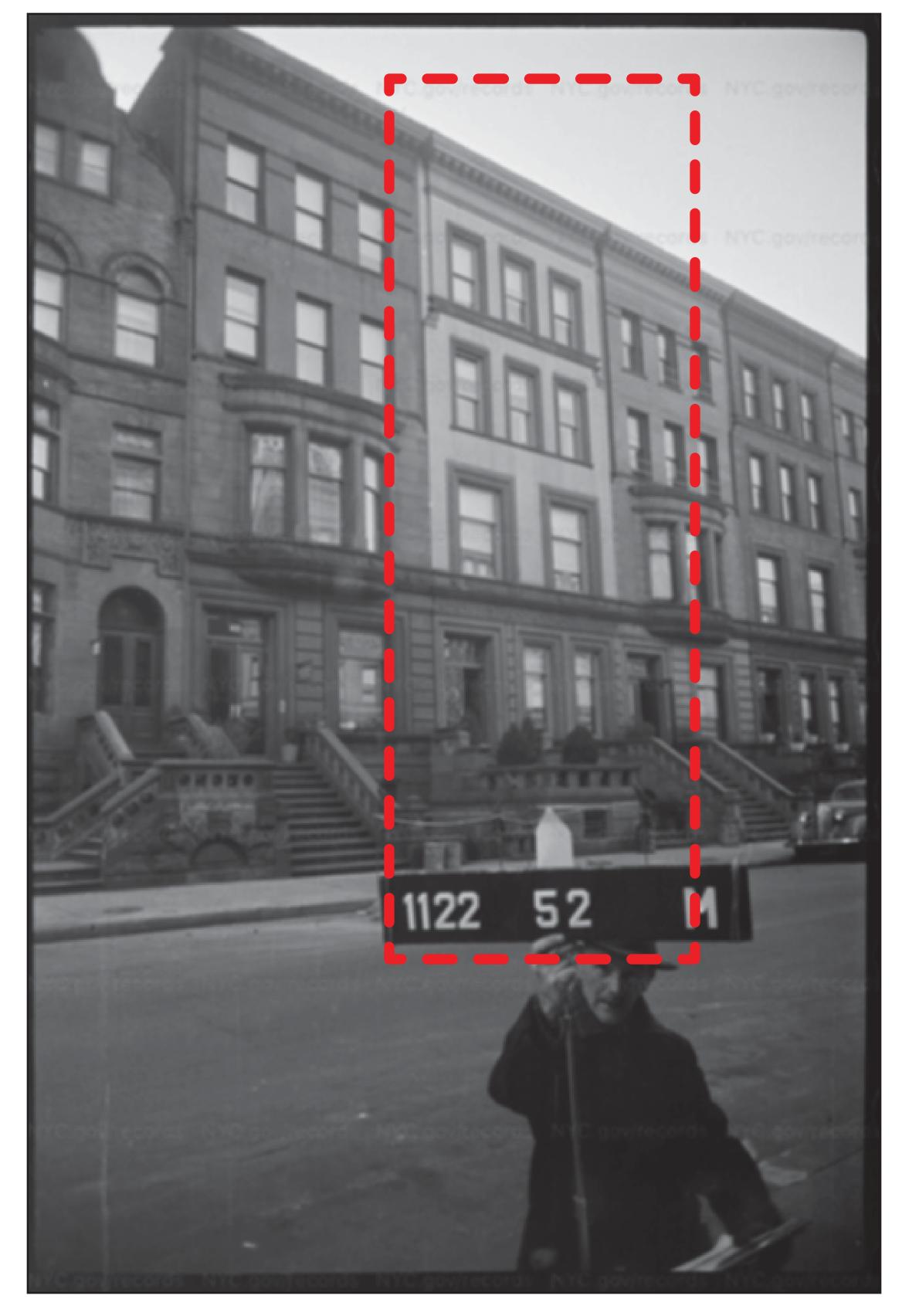
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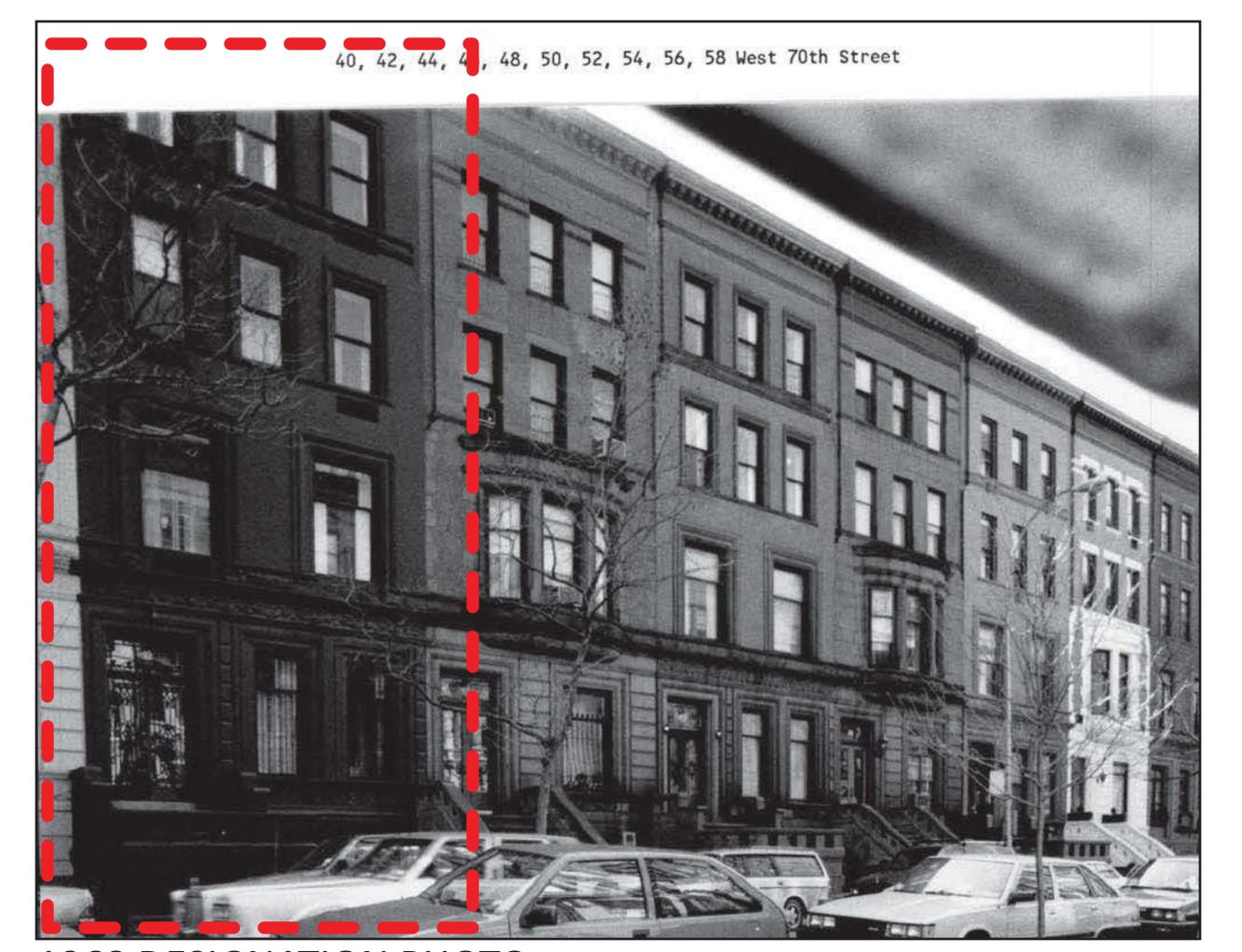
PAGE NO. 1 OF 26



# STREETSCAPE HISTORIC PHOTOGRAPHS

42 WEST 70 STREET (NY)





1968 DESIGNATION PHOTO

architect, pllo

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CONSULTAN<sup>\*</sup>



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REVISION NO.	REVISION DATE

PROJECT LOCATION

ALT-CO 42 WEST 70 STREET NEW YORK, NY 10023

DRAWING TITLE

HISTORIC PHOTOGRAPHS

DESIGN APPLICA



NYC DOB NUMB

LPC DOCKET # 22-00604

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DATE

04—01—2022

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PAGE NO.

3 OF 26

1940 TAX PHOTO

# FRONT ELEVATIONS EXISTING CONDITIONS AT FRONT FACADE

OLD AIR CONDITIONING GRILLES TO BE REMOVED AND FILLED IN WITH BRICK OR BROWNSTONE TO MATCH **ADJACENT MATERIAL** 

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REVISIONS	
REVISION NO.	REVISION DATE

42 WEST 70 STREET NEW YORK, NY 10023

**EXISTING CONDITIONS OF** FRONT FACADE



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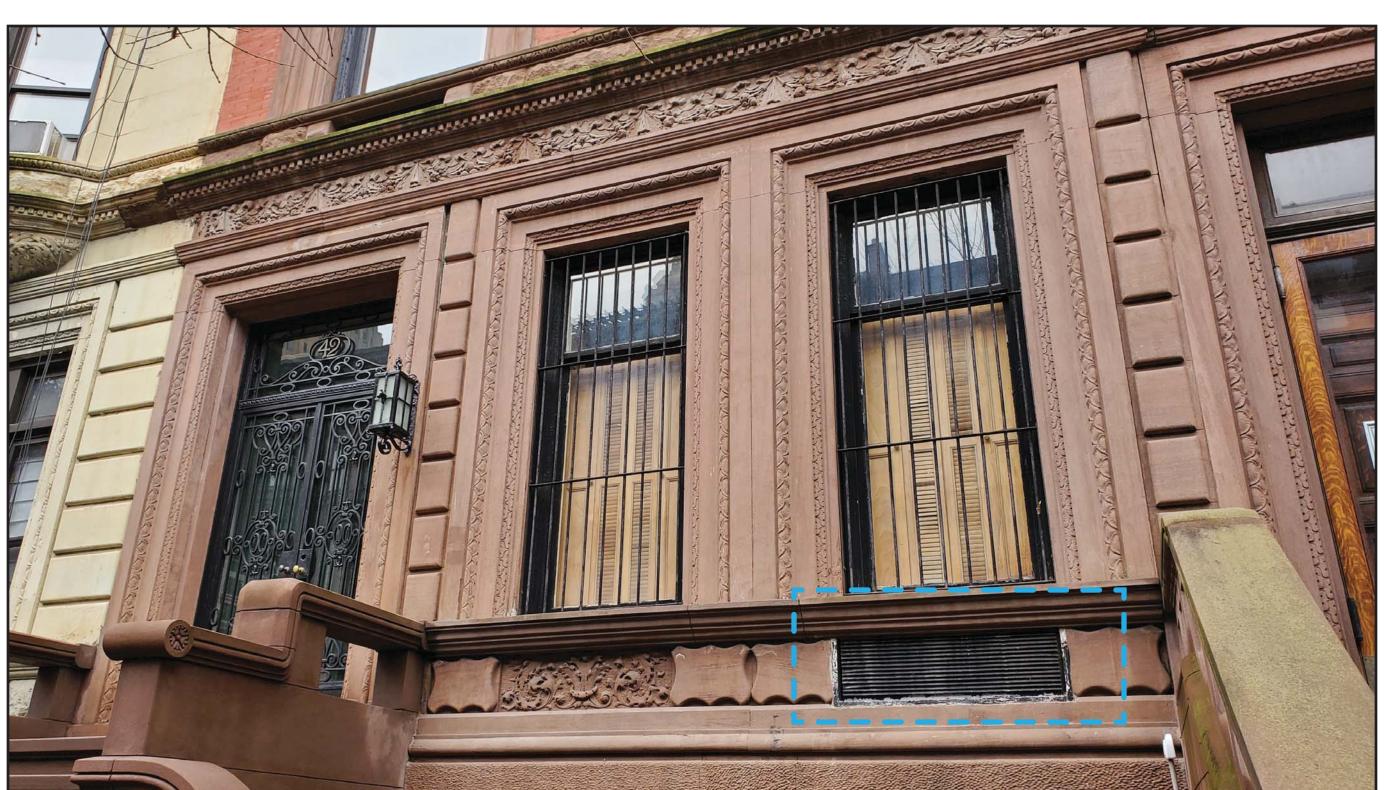
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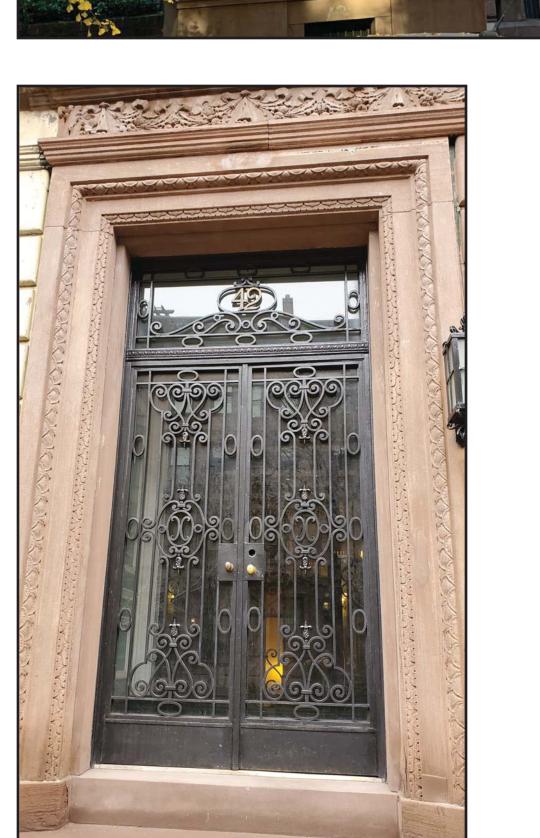








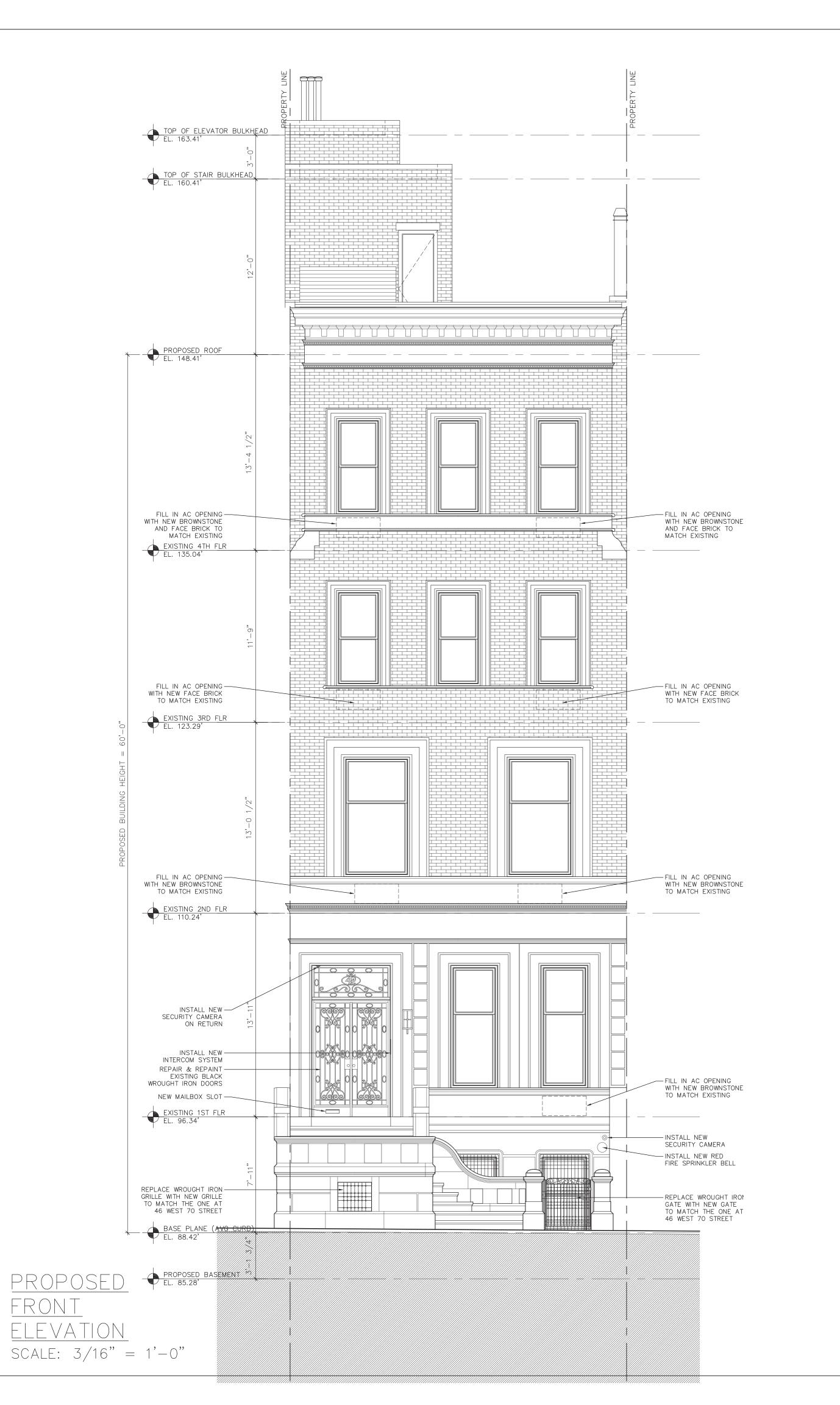






# FRONT ELEVATIONS EXISTING & PROPOSED FRONT ELEVATIONS







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REVISION NO. REVISION DATE

PROJECT LOCATION

<u>ALT-CO</u> 42 WEST 70 STREET NEW YORK, NY 10023

DRAWING TITLE

EXISTING & PROPOSED FRONT ELEVATIONS

DESIGN APPLIC



NYC DOB NUMBER

LPC DOCKET # 22-00604

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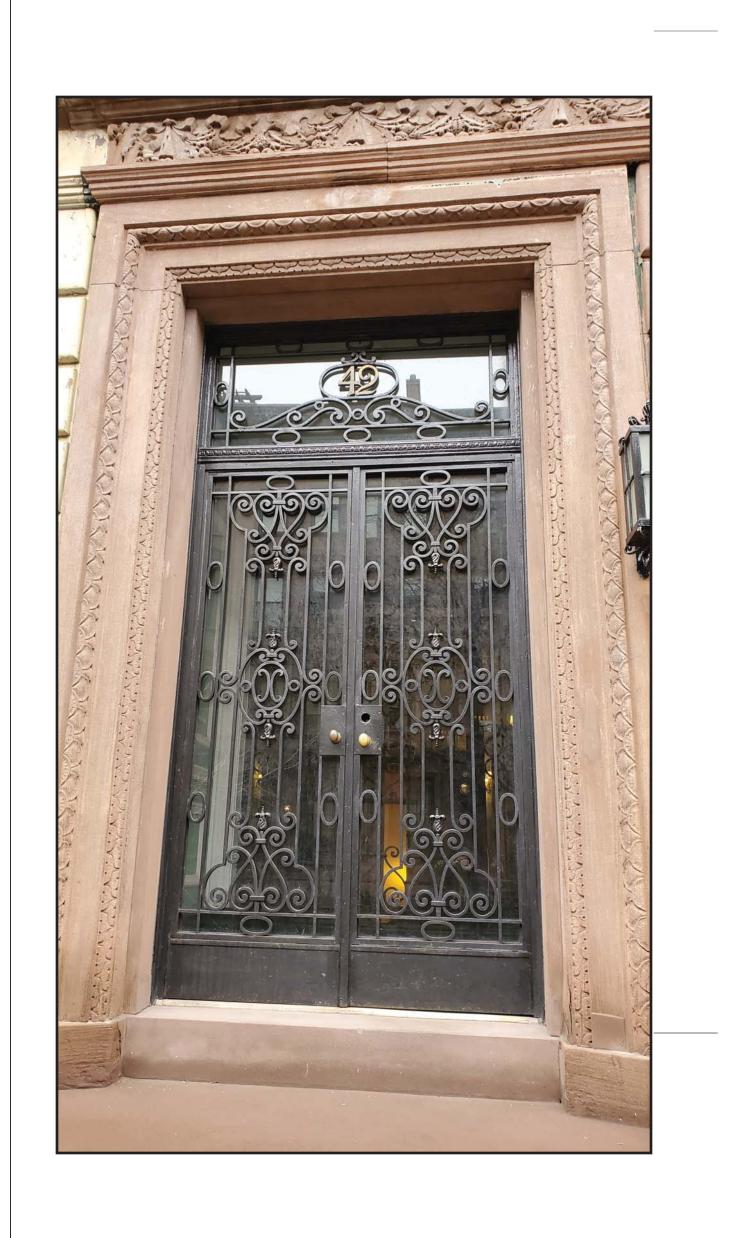
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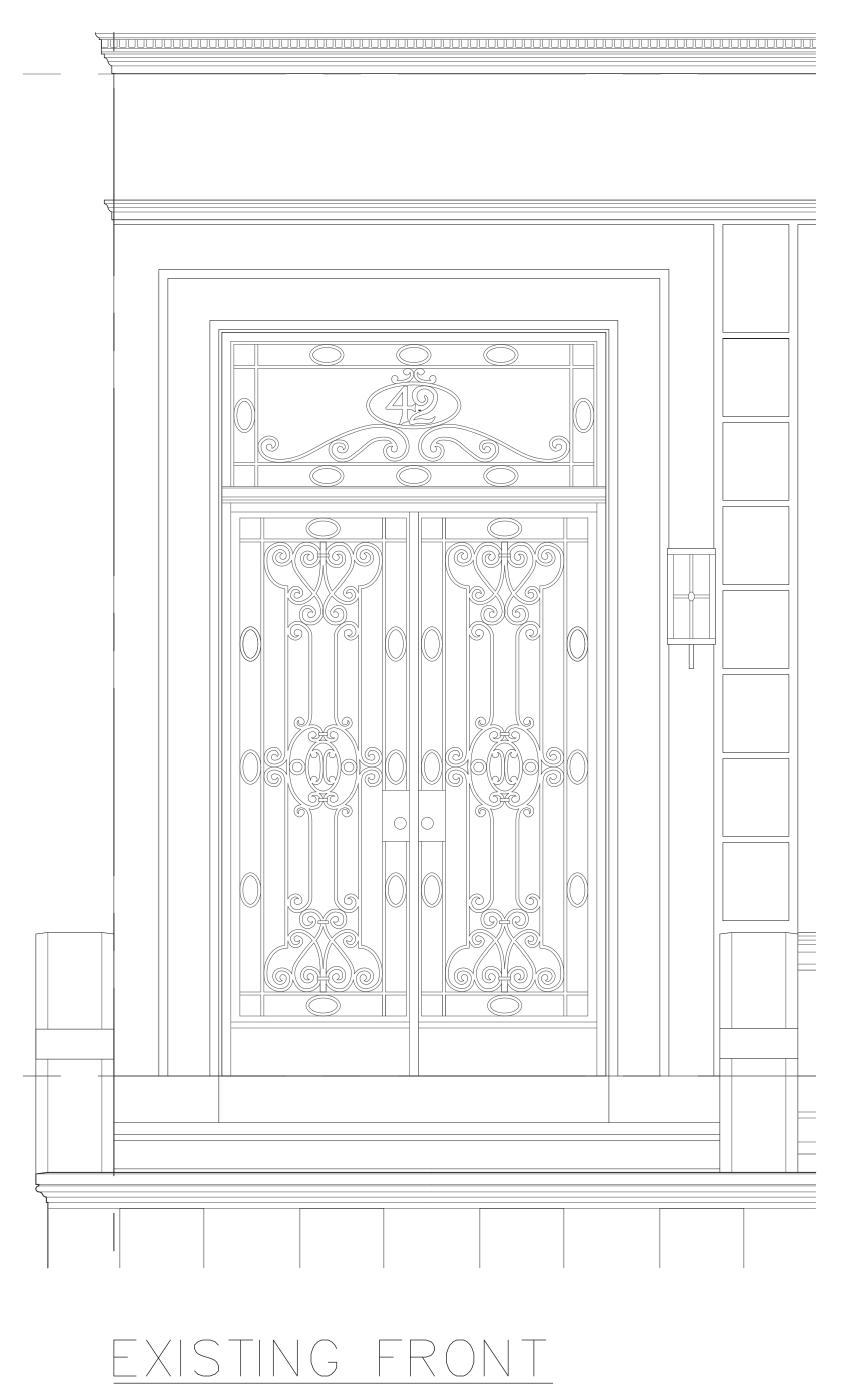
AGE NO. 5 OF 26

# DOOR

# EXISTING & PROPOSED DOOR DETAILS & EXISTING DOOR PHOTOGRAPHS

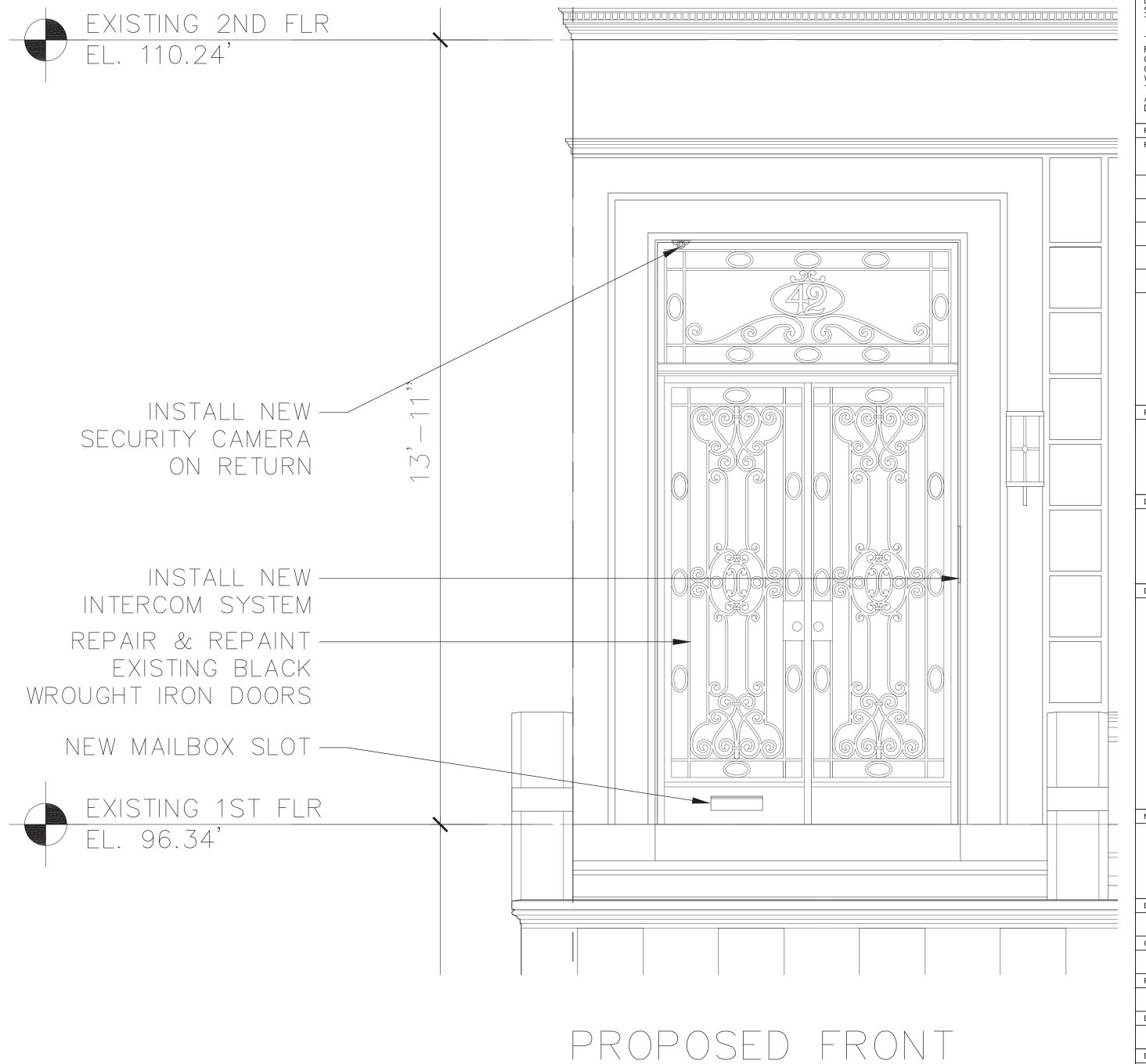
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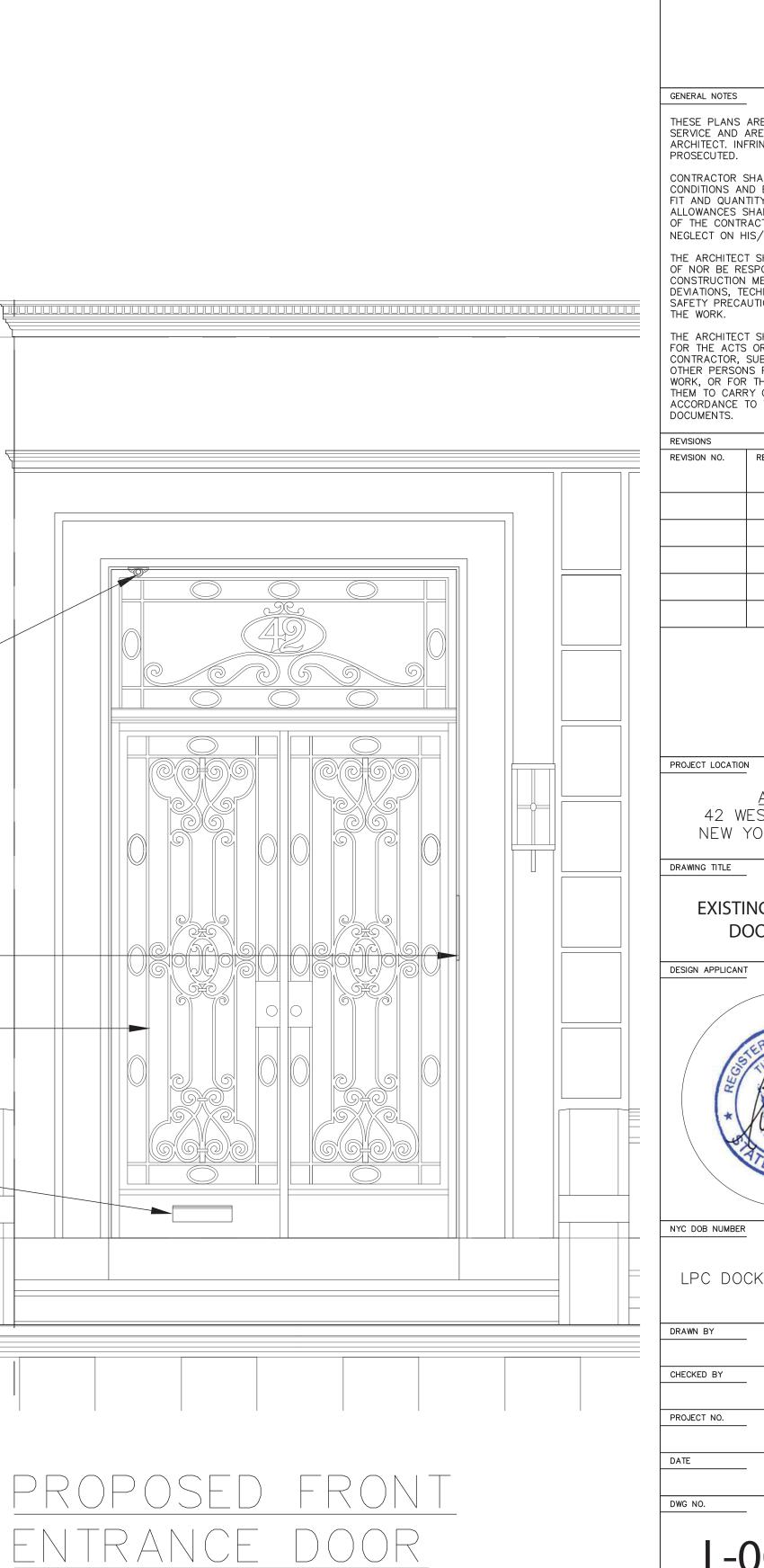


ENTRANCE DOOR

SCALE: 3/4" = 1'-0"



SCALE: 3/4" = 1'-0"





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**EXISTING & PROPOSED** DOOR DETAILS



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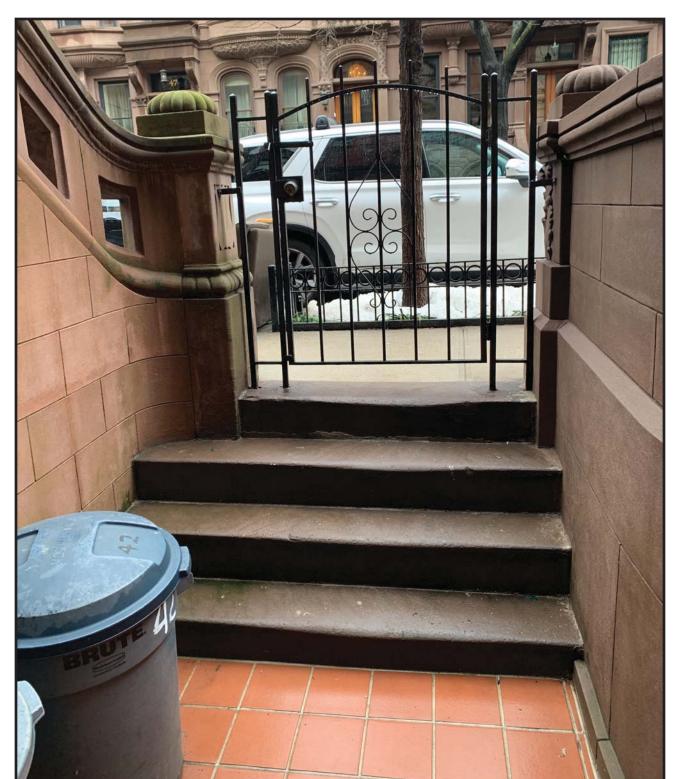
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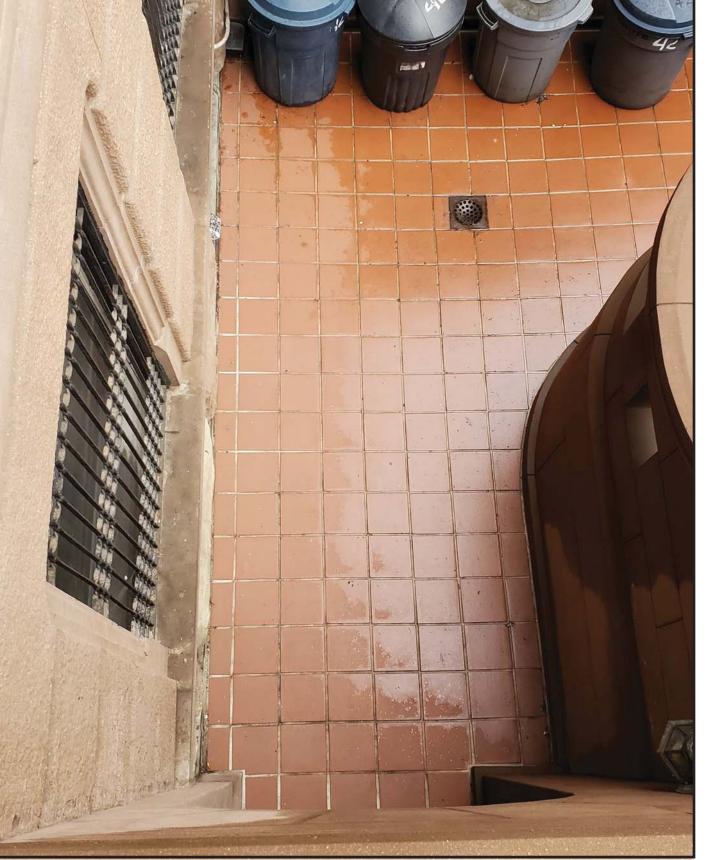
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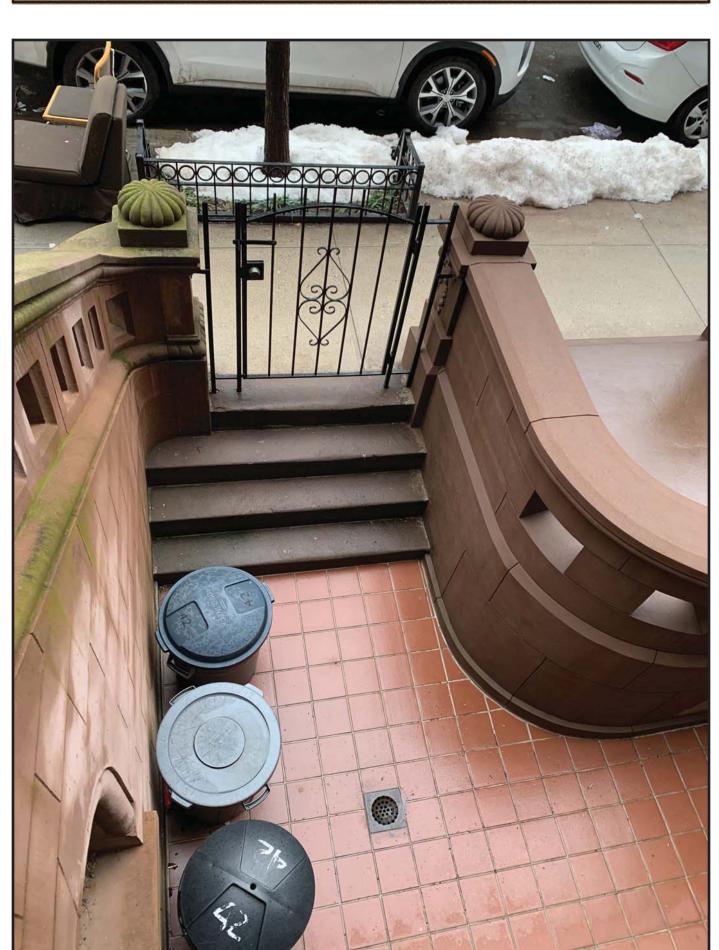
# AREAWAY & SIDEWALK PHOTOGRAPHS - EXISTING CONDITIONS

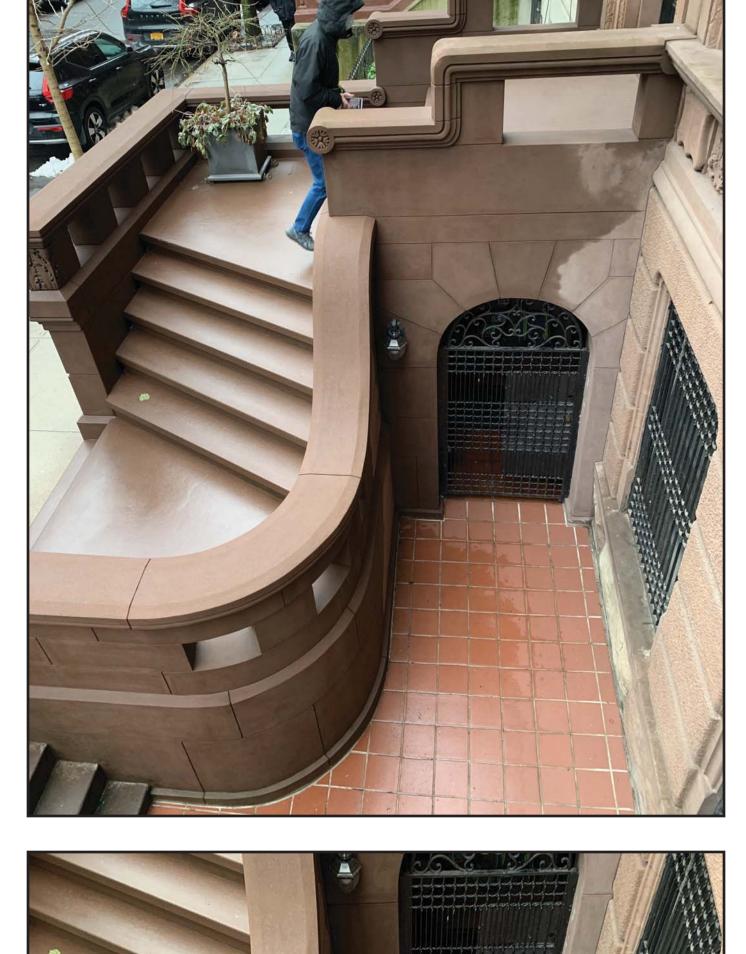
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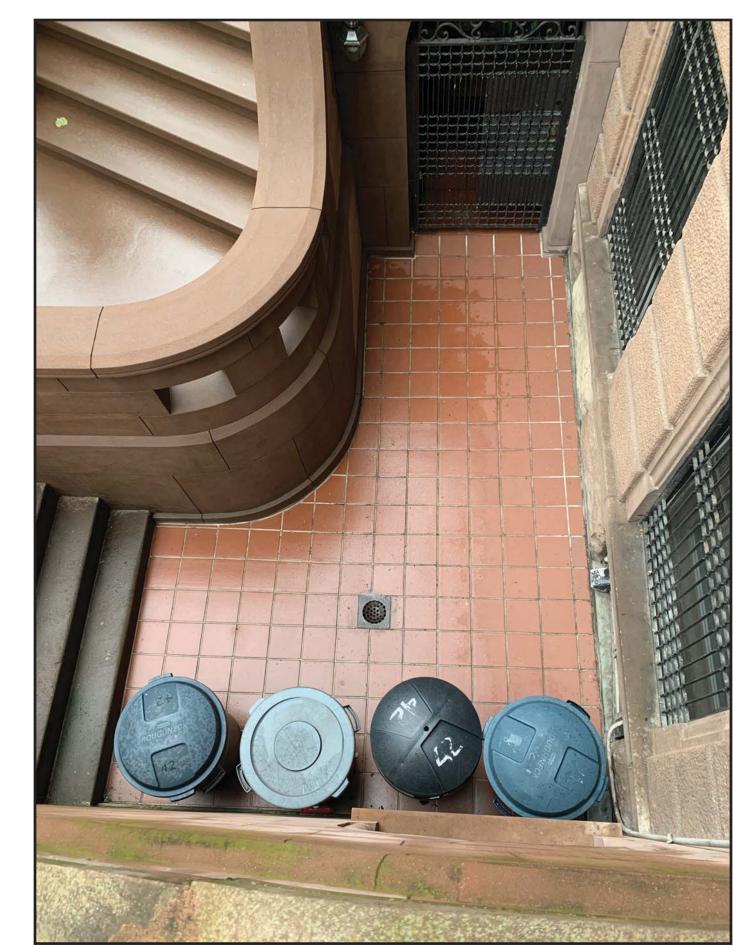
















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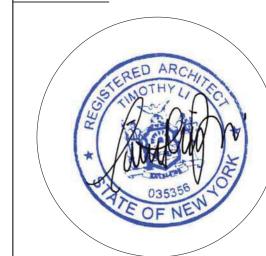
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42 WEST 70 STREET NEW YORK, NY 10023

**EXISTING CONDITIONS OF** AREAWAY & SIDEWALK



NYC DOB NUMBER

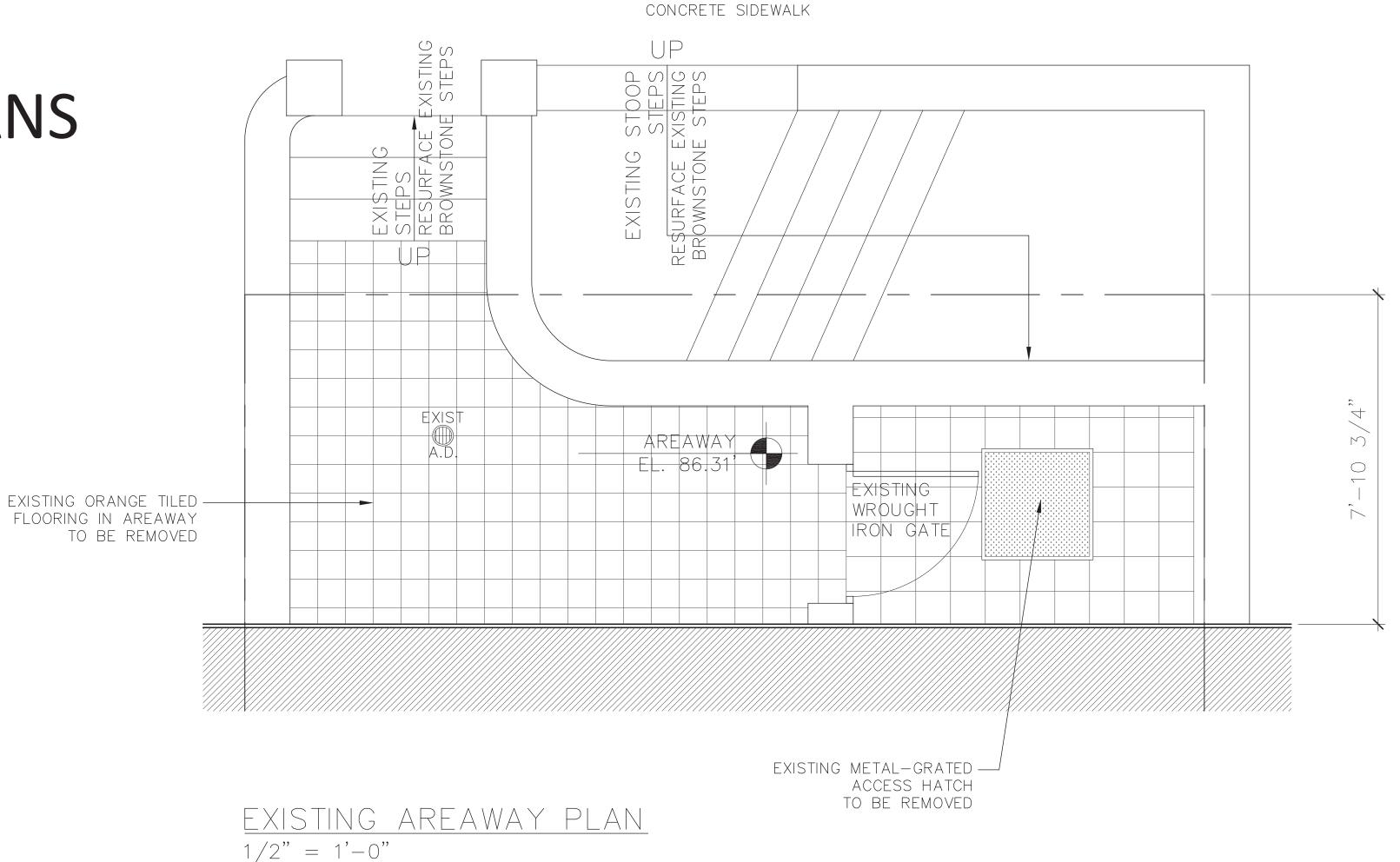
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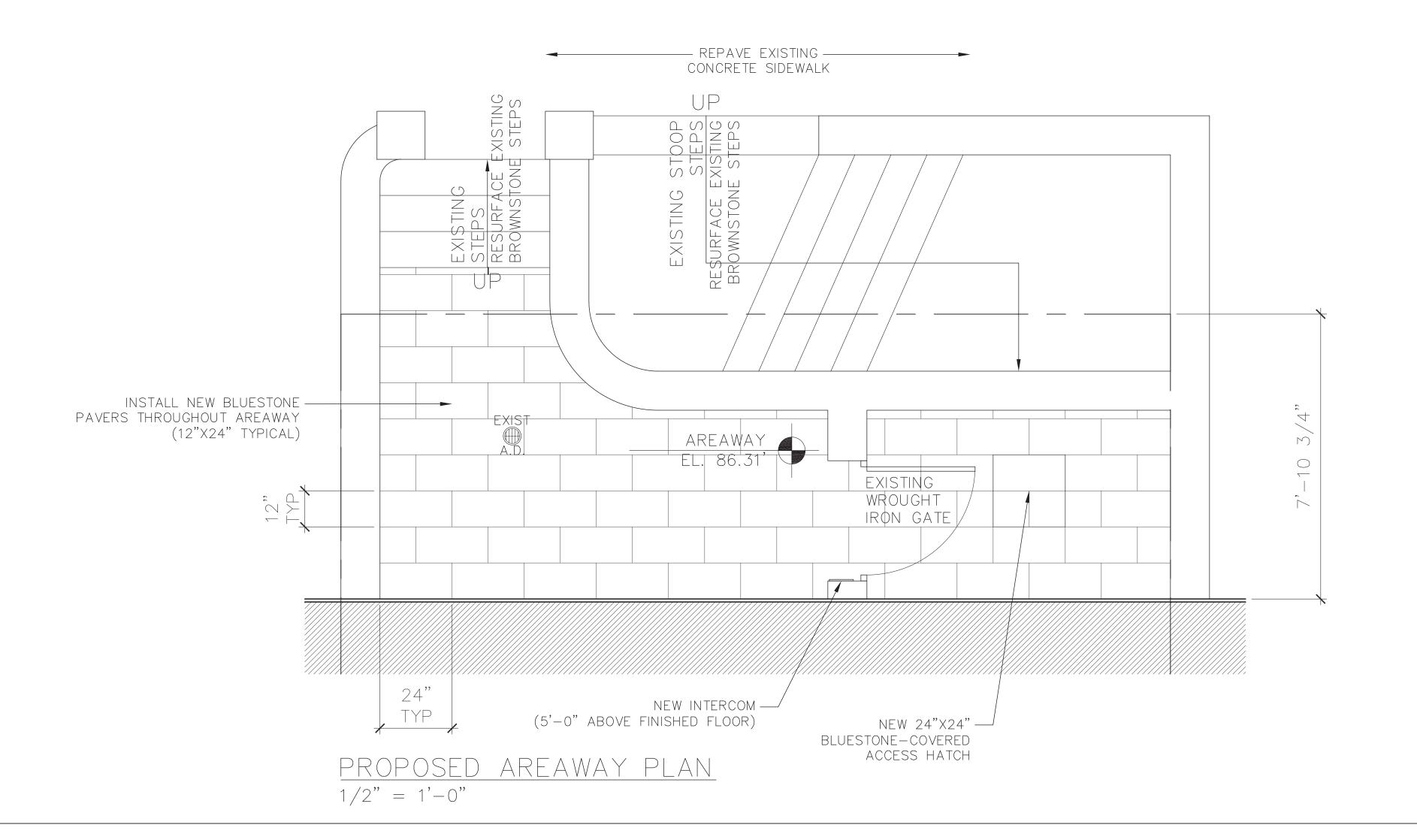
# AREAWAY ALTERATIONS EXISTING & PROPOSED AREAWAY PLANS



REPAVE EXISTING —



STONE PAVER SAMPLE DIMENSION: 12"x24"x1"





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REVISION NO. REVISION DATE

PROJECT LOCATION

<u>ALT-CO</u> 42 WEST 70 STREET NEW YORK, NY 10023

DRAWING TITLE

EXISTING & PROPOSED AREAWAY PLANS

SIGN APPLICANT



NYC DOB NUMBER

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DATE 04-01-2022

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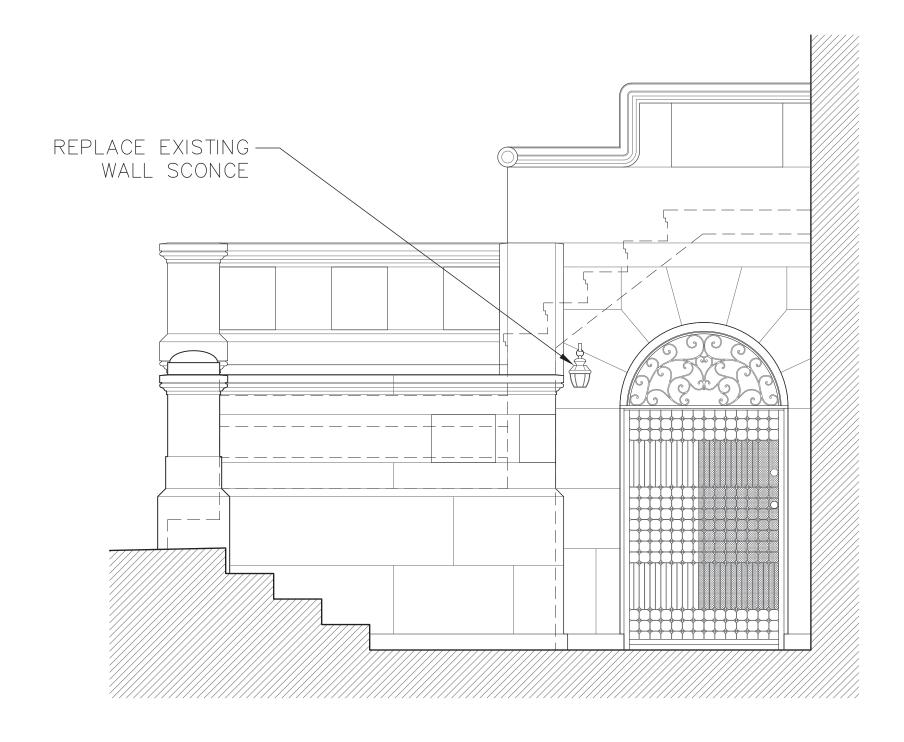
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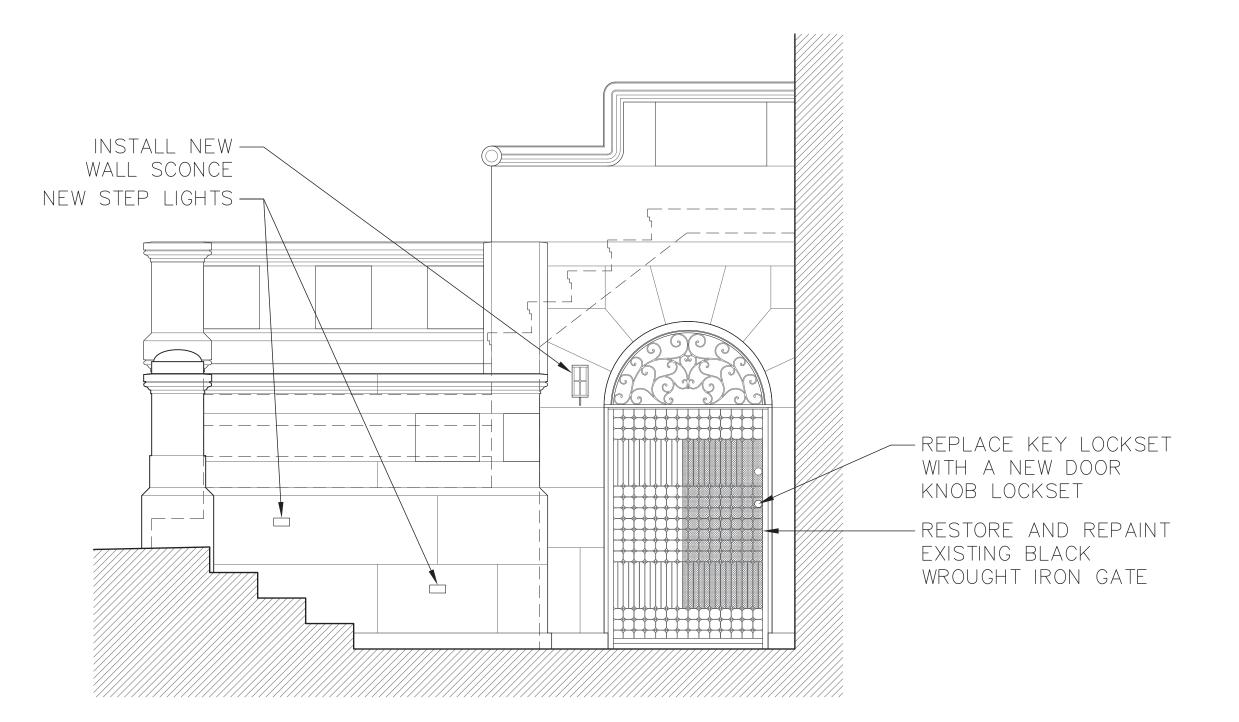
2021-XXX

PAGE NO. 8 OF 26

# AREAWAY ALTERATIONS EXISTING & PROPOSED AREAWAY SECTIONS



EXISTING BASEMENT AREAWAY ENTRY ELEVATION SCALE: 1/2" = 1'-0"



PROPOSED BASEMENT AREAWAY ENTRY ELEVATION SCALE: 1/2" = 1'-0"



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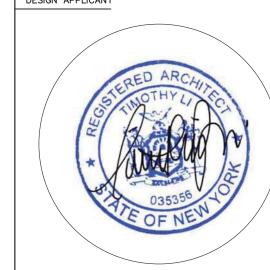
REVISIONS	
REVISION NO.	REVISION DATE

PROJECT LOCATION

42 WEST 70 STREET NEW YORK, NY 10023

DRAWING TITLE

**EXISTING & PROPOSED AREAWAY SECTIONS** 



NYC DOB NUMBER

LPC DOCKET # 22-00604

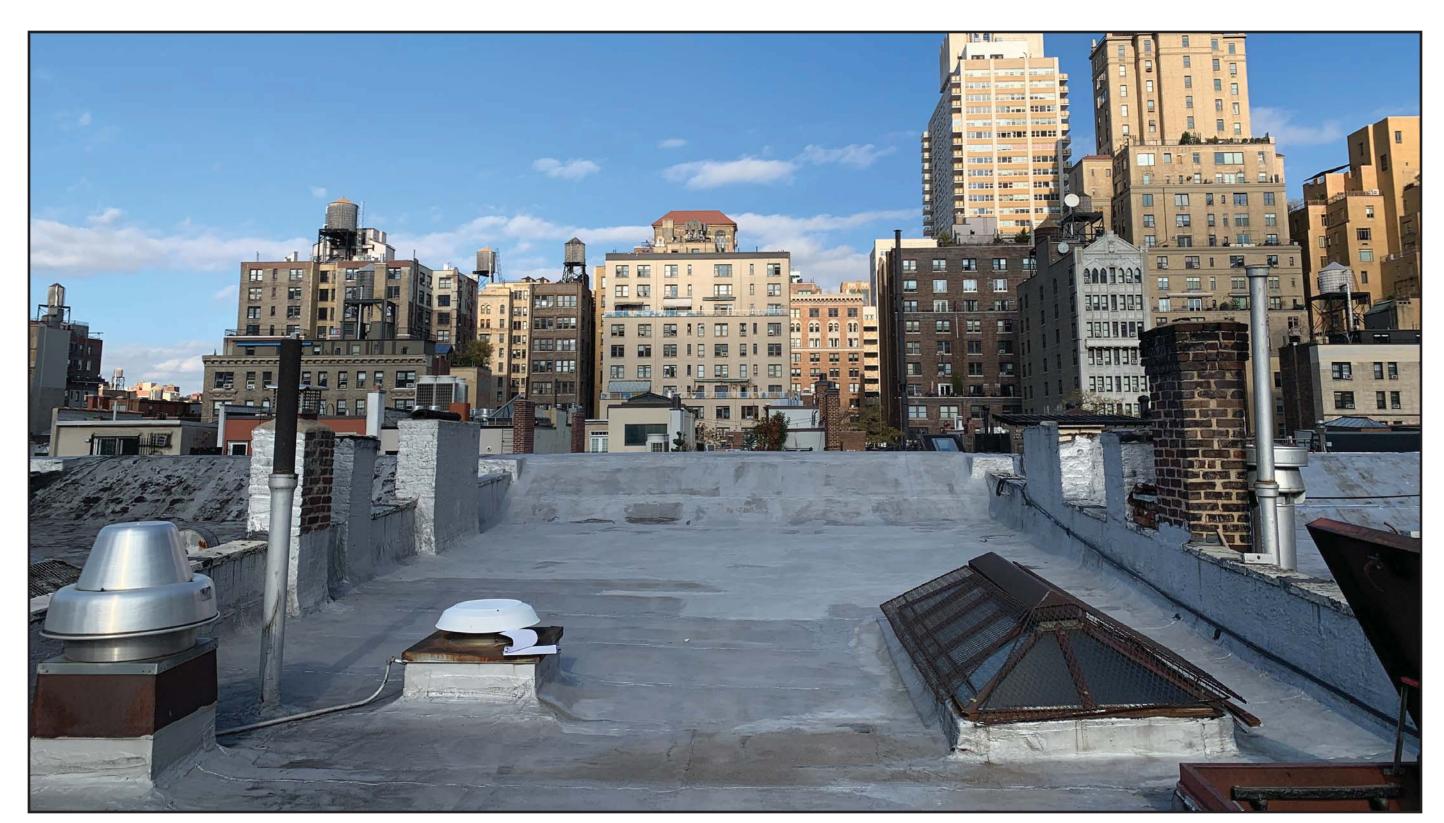
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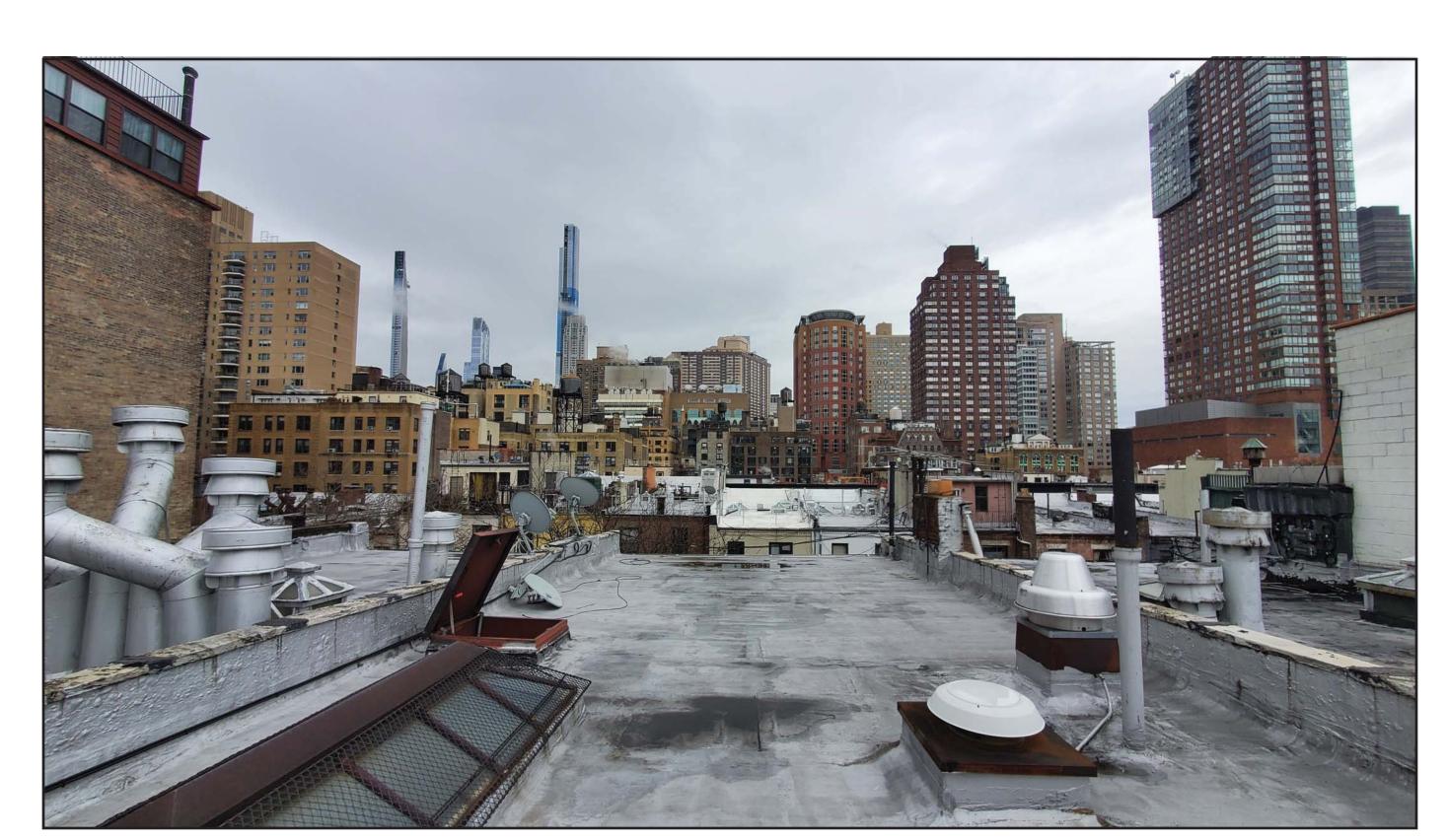
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# ROOF EXISTING ROOF PHOTOGRAPHS

42 WEST 70 STREET (NY)



LOOKING NORTH



LOOKING SOUTH



**LOOKING WEST** 





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<u>ALT-CO</u> 42 WEST 70 STREET NEW YORK, NY 10023

**EXISTING ROOF** PHOTOGRAPHS

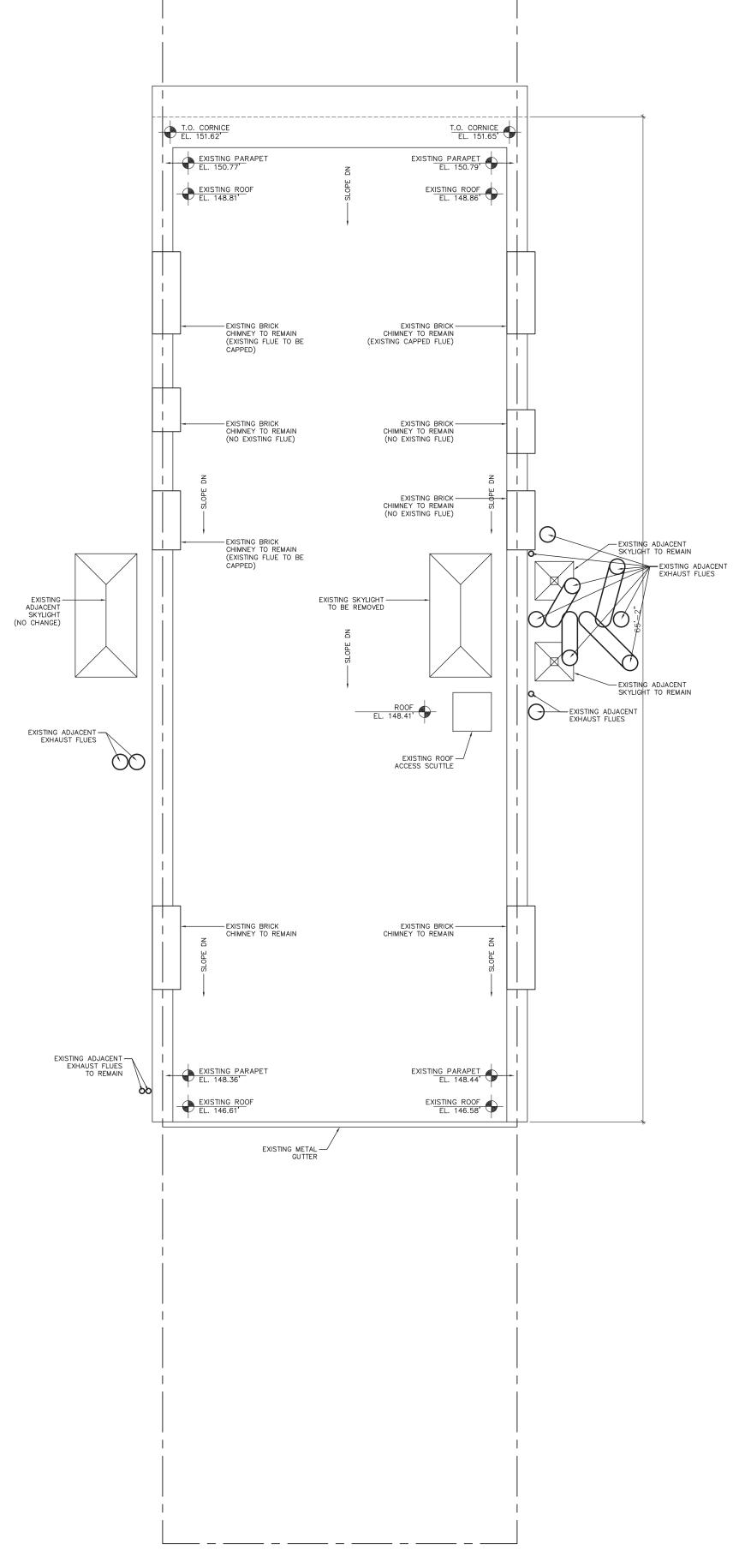


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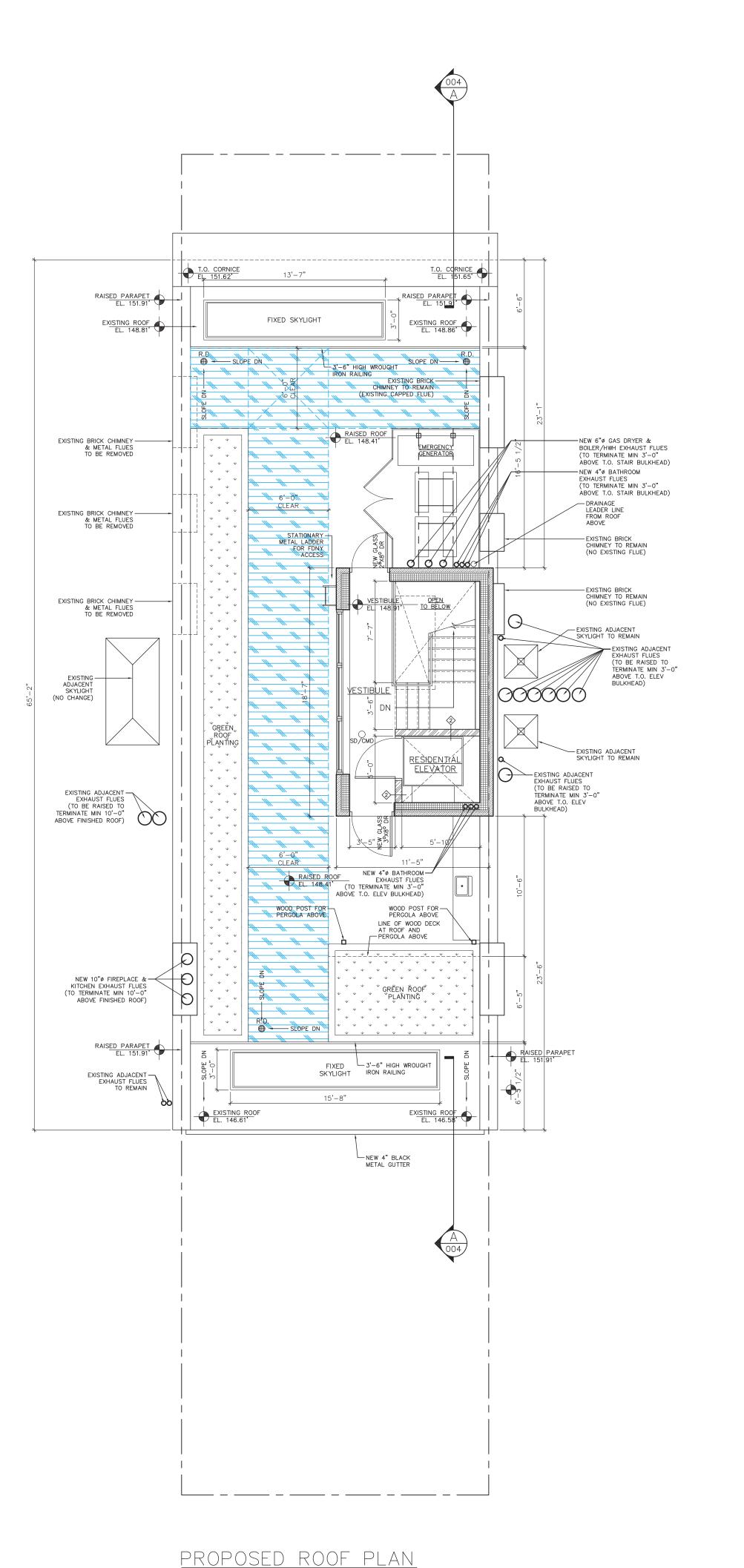
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# ROOF EXISTING & PROPOSED ROOF\_PLANS\_



EXISTING ROOF PLAN SCALE: 3/16" = 1'-0"



SCALE: 3/16" = 1'-0" FDNY CLEAR PATH GREEN ROOF PLANTING 2171 68th Street, 2nd Floor Front Brooklyn, NY 11204

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REVISION NO.	REVISION DATE

PROJECT LOCATION

42 WEST 70 STREET NEW YORK, NY 10023

DRAWING TITLE

**EXISTING & PROPOSED ROOF PLANS** 



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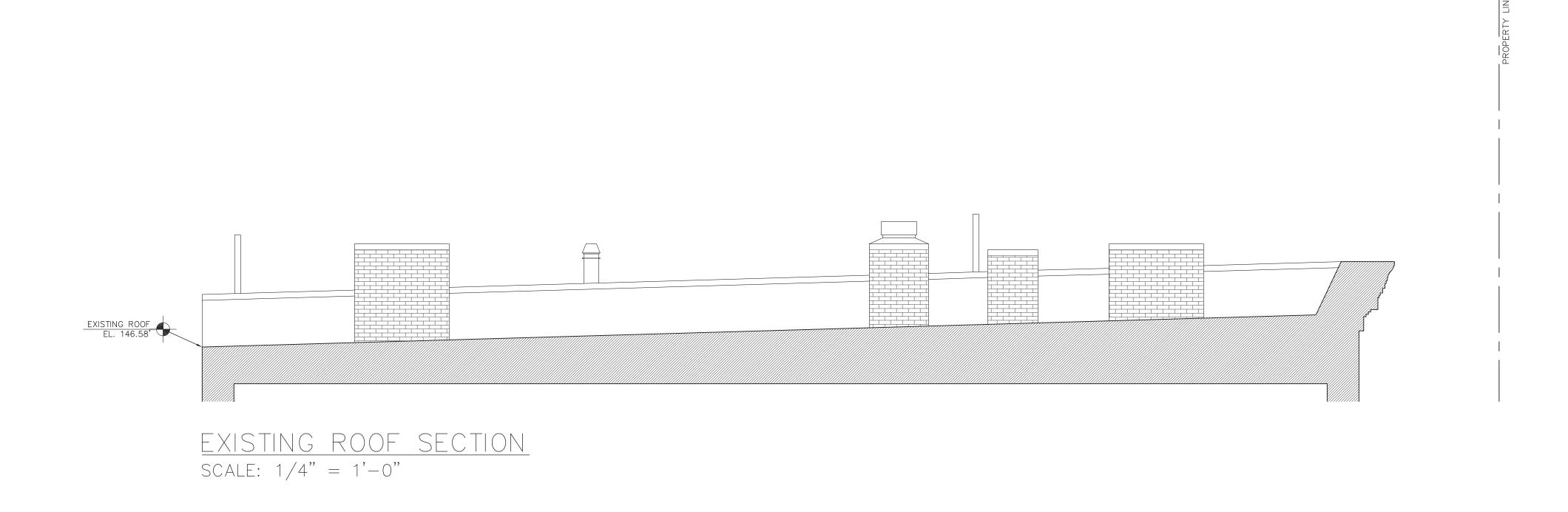
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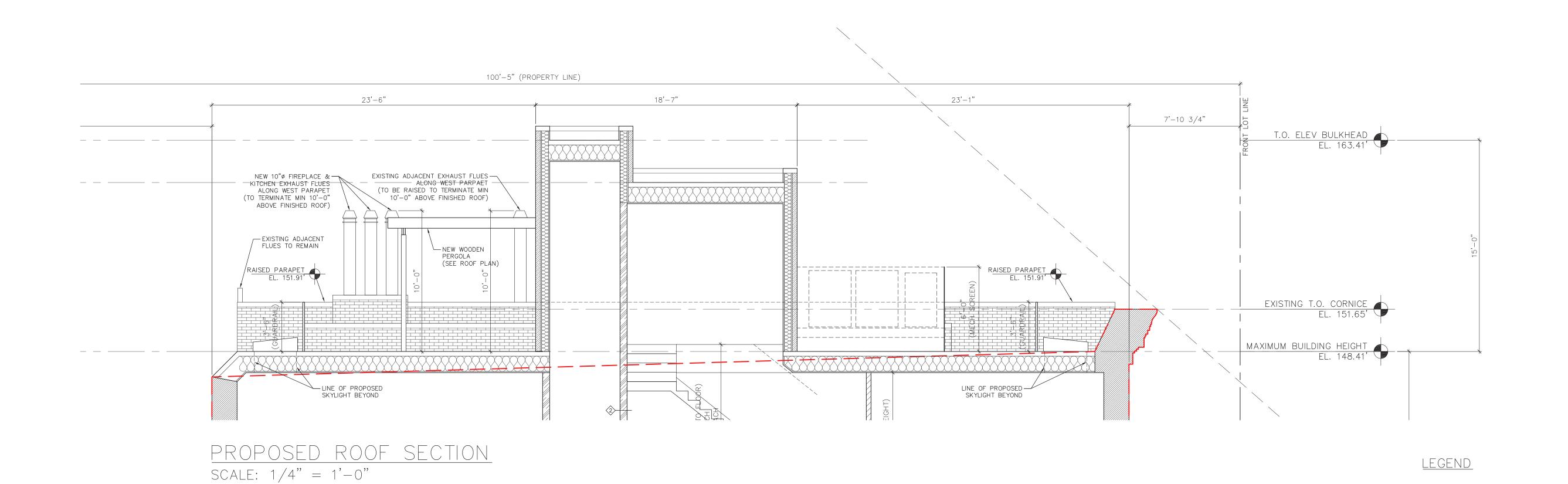
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04-01-2022

# ROOF EXISTING & PROPOSED ROOF SECTIONS





ARCHITECT

Office - 718.975.8373 Fax - 347.412.9360

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architect, pllc
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Brooklyn, NY 11204

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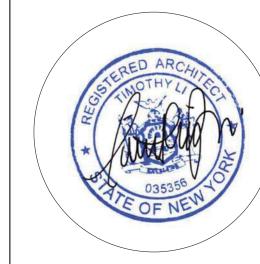
PROJECT LOCATION

<u>ALT-CO</u> 42 WEST 70 STREET NEW YORK, NY 10023

DRAWING

EXISTING & PROPOSED ROOF SECTIONS

DESIGN APPLICAN



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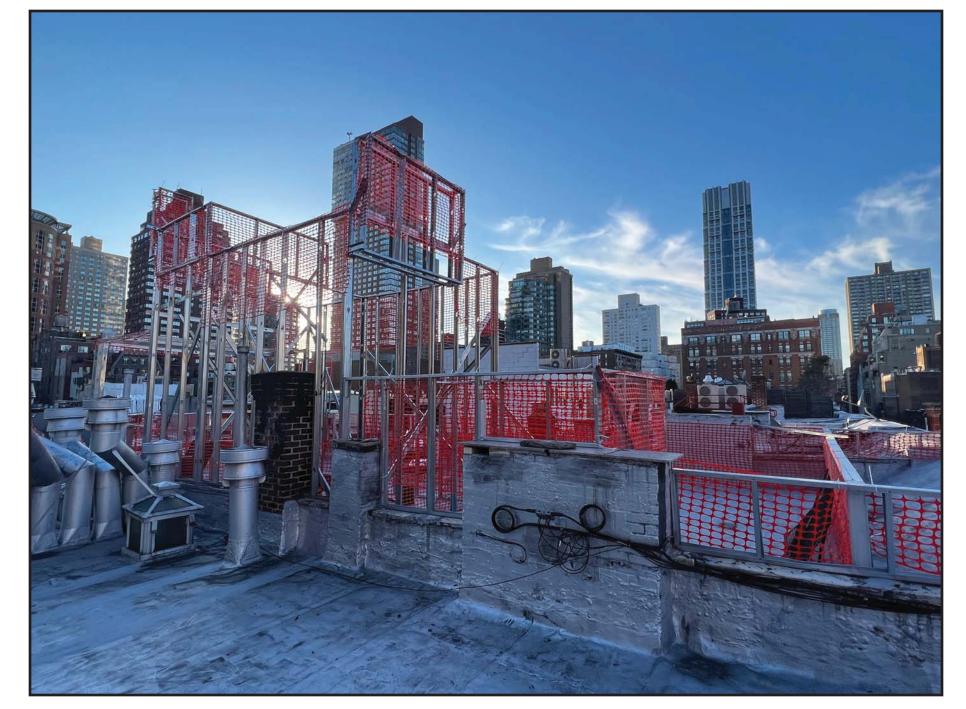
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# ROOF PHOTOGRAPHS OF ROOF MOCKUP

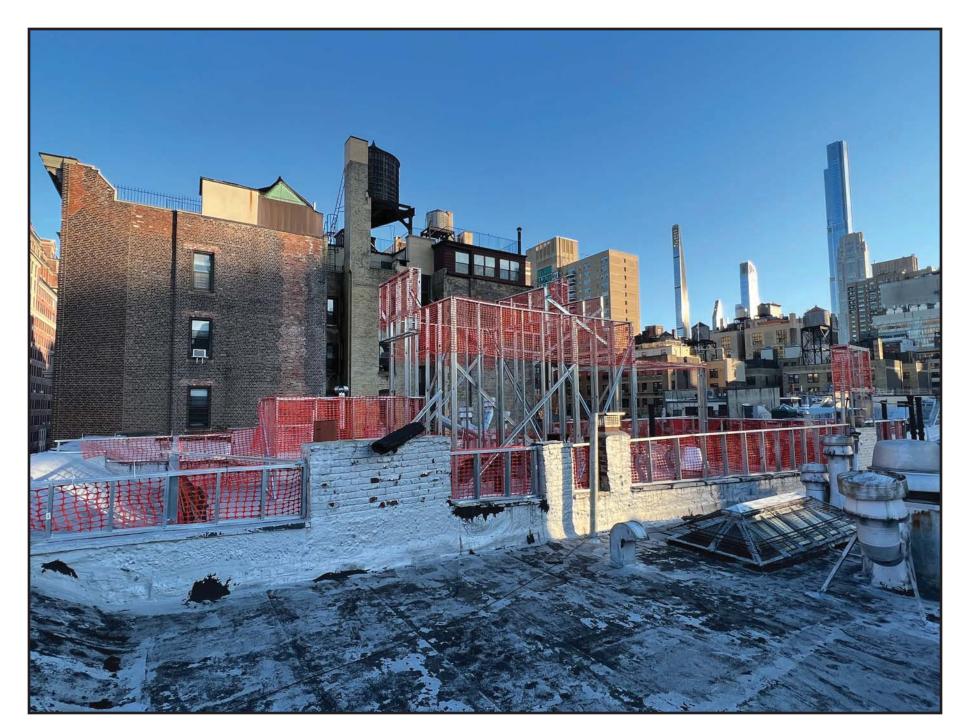
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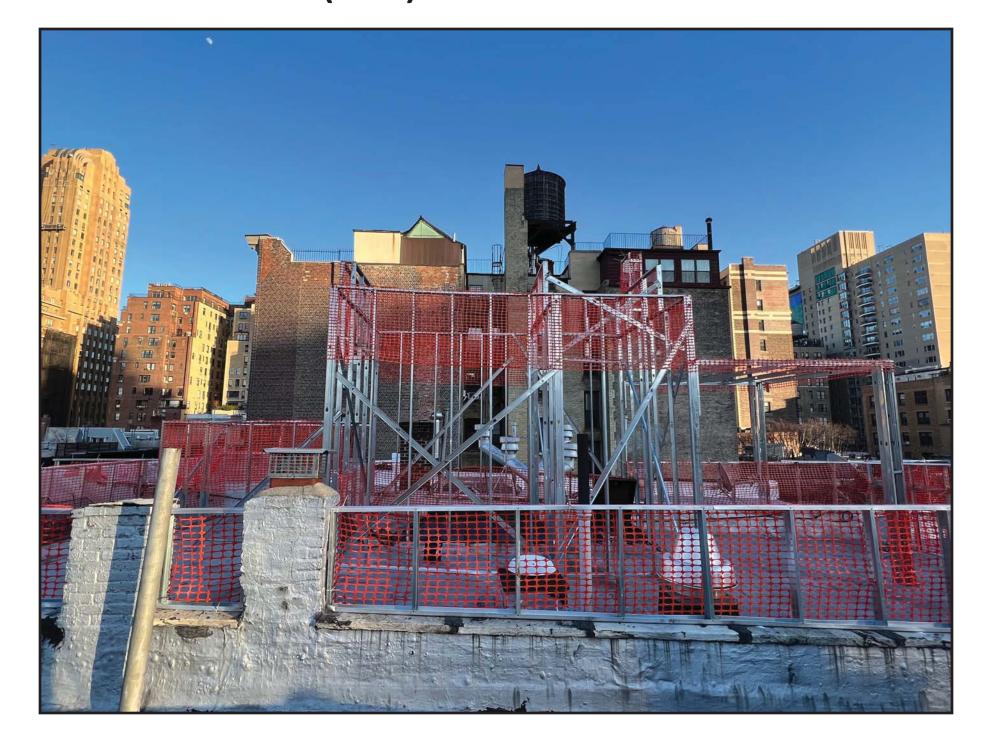


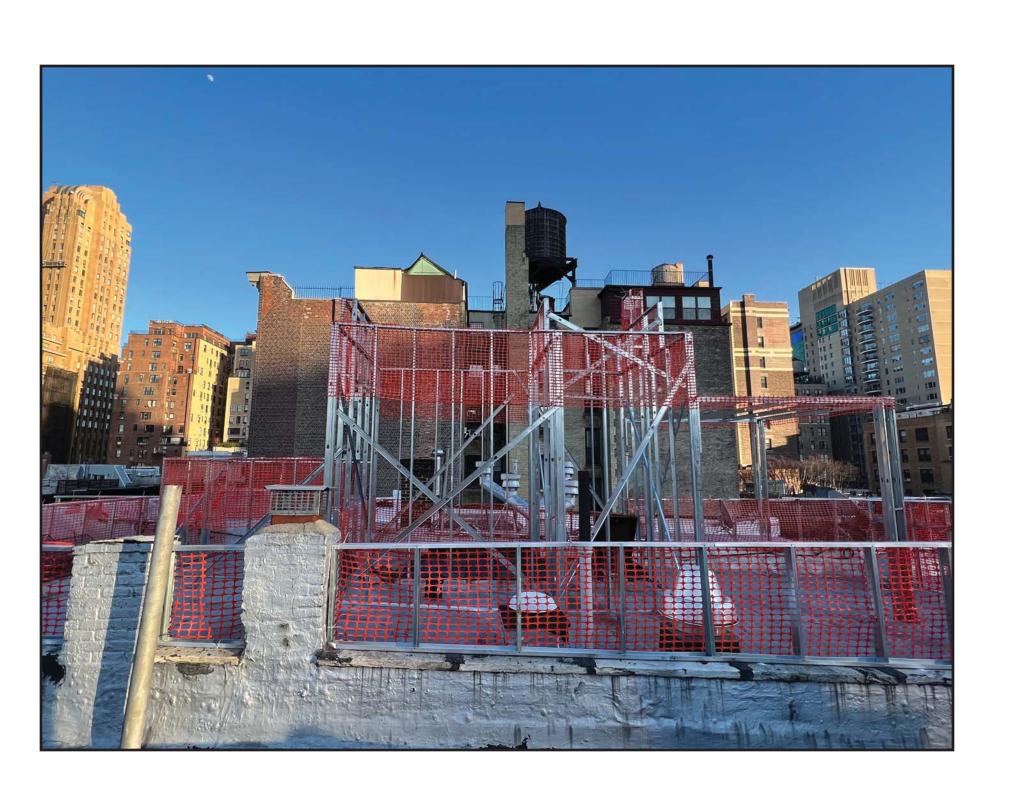




## LOOKING EAST FROM ROOF OF 44 WEST 70 STREET (NY)









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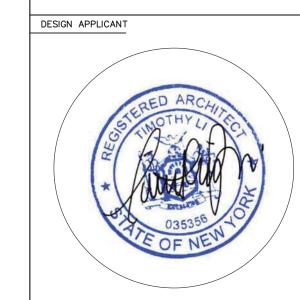
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REVISION NO.	REVISION DATE

PROJECT LOCATION

<u>ALT-CO</u> 42 WEST 70 STREET NEW YORK, NY 10023

DRAWING TITLE

PHOTOGRAPHS OF ROOF MOCKUP



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PROJECT NO.

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DATE

04—01—2022

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# ROOF MOCKUP VISIBILITY FROM ACROSS THE STREET

42 WEST 70 STREET (NY)









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CONSULTANTS



GENERAL NOTES

THESE PLANS ARE AN INSTRUMENT OF SERVICE AND ARE THE PROPERTY OF THE ARCHITECT. INFRINGEMENT WILL BE

CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND BE RESPONSIBLE FOR FIELD FIT AND QUANTITY OF WORK. NO ALLOWANCES SHALL BE MADE ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLECT ON HIS/HER PART.

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SAFETY PRECAUTIONS IN CONNECTION WITH

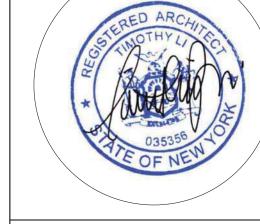
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42 WEST 70 STREET NEW YORK, NY 10023

ACROSS THE STREET





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PROJECT NO.	2021-XXX
DATE	04-01-2022

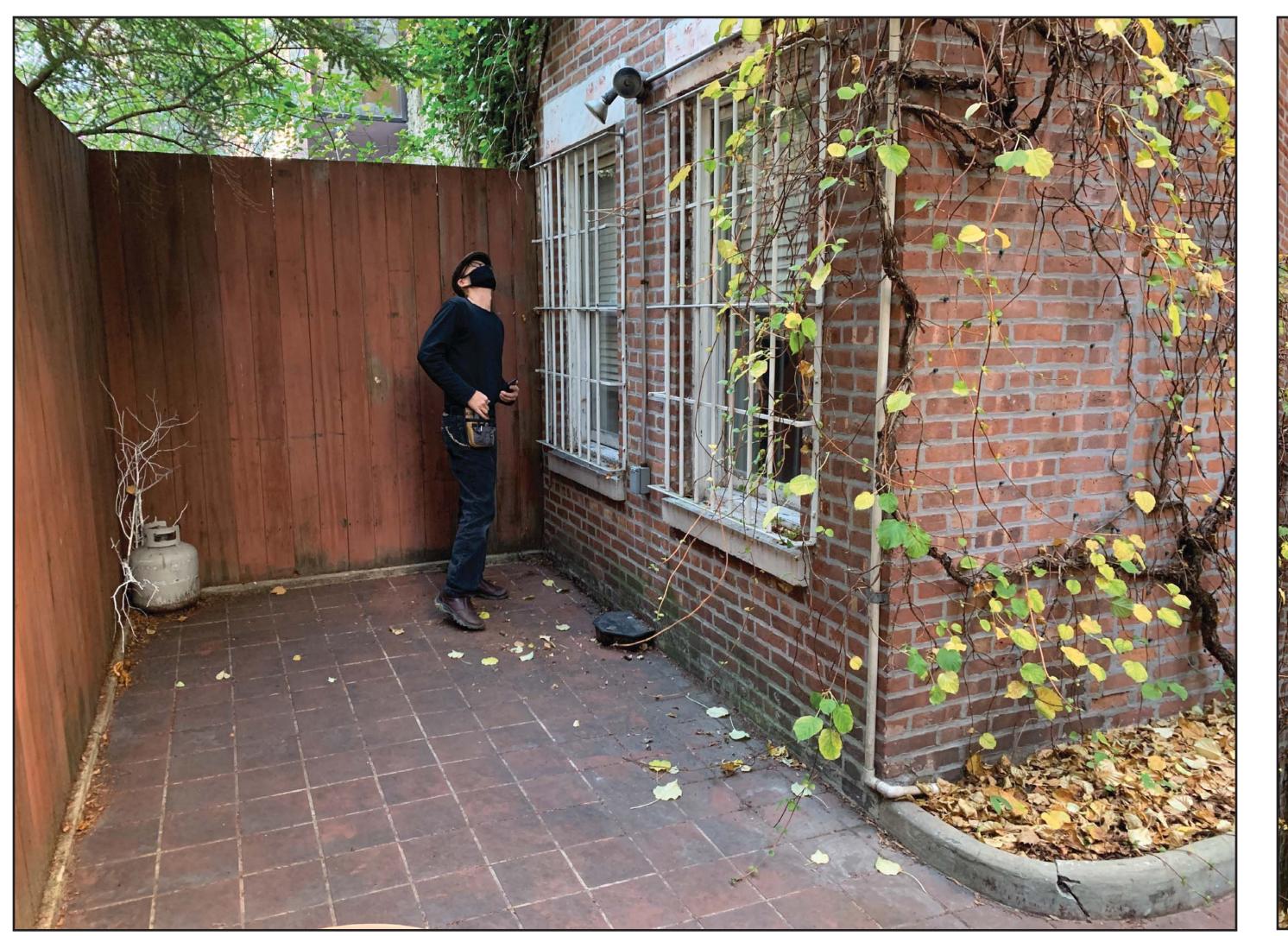
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# REAR ELEVATION REAR FACADE AND EXISTING CONDITIONS

42 WEST 70 STREET (NY)











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**EXISTING CONDITIONS OF** REAR FACADE



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2021-XXX

04-01-2022

# WINDOW REAR BAY WINDOW PROBES

42 WEST 70 STREET (NY)



PHOTO ABOVE: TYPICAL REAR BAY WINDOW MULLION

PHOTO BELOW: BOTTOM CENTER OF BAY WINDOW MULLION



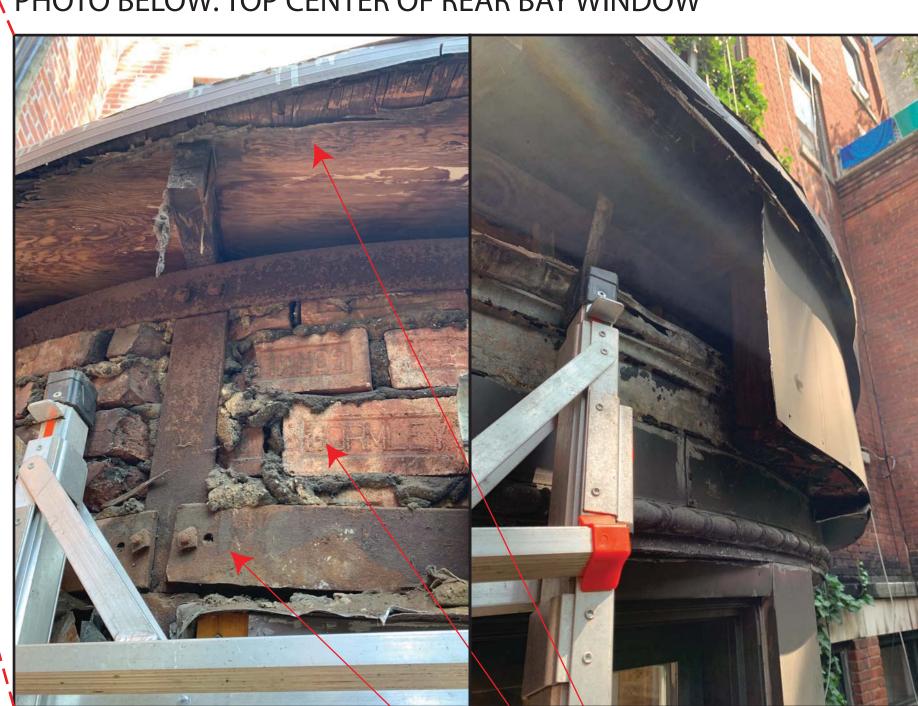
PHOTO BELOW: OVERALL REAR BAY WINDOW NO EXISTING DECORATIVE FEATURES





PHOTO ABOVE: TOP LEFT CORNER OF REAR BAY WINDOW

### PHOTO BELOW: TOP CENTER OF REAR BAY WINDOW



DETERIORATING WOOD
DUE TO WATER INFILTRATION

DETERIORATING BRICK WITH BAD MORTAR

RUSTED STEEL SUPPORTS

ARCHIT



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REVISION NO. REVISION DATE

PROJECT LOCATION

ALT-CO 42 WEST 70 STREET NEW YORK, NY 10023

DRAWING TITLE

EXISTING CONDITIONS OF REAR BAY WINDOWS

DESIGN APPLICAN



NYC DOB NUMBER

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PROJECT NO.

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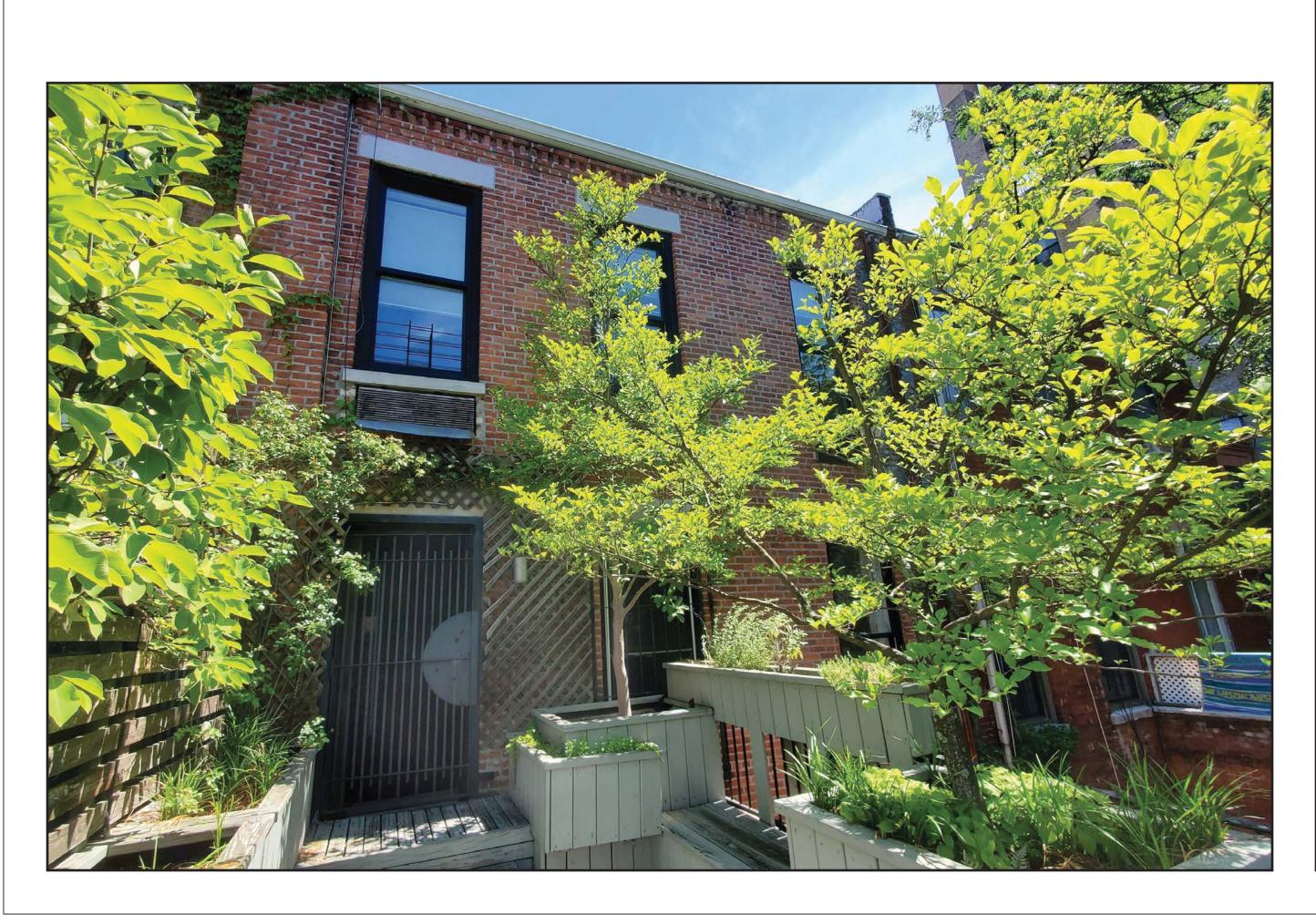
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# WINDOW

# UPPER REAR WINDOW PHOTOGRAPHS -EXISTING CONDITIONS

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### REVISION NO. REVISION DATE

NEW YORK, NY 10023

**EXISTING CONDITIONS OF UPPER REAR WINDOWS** 



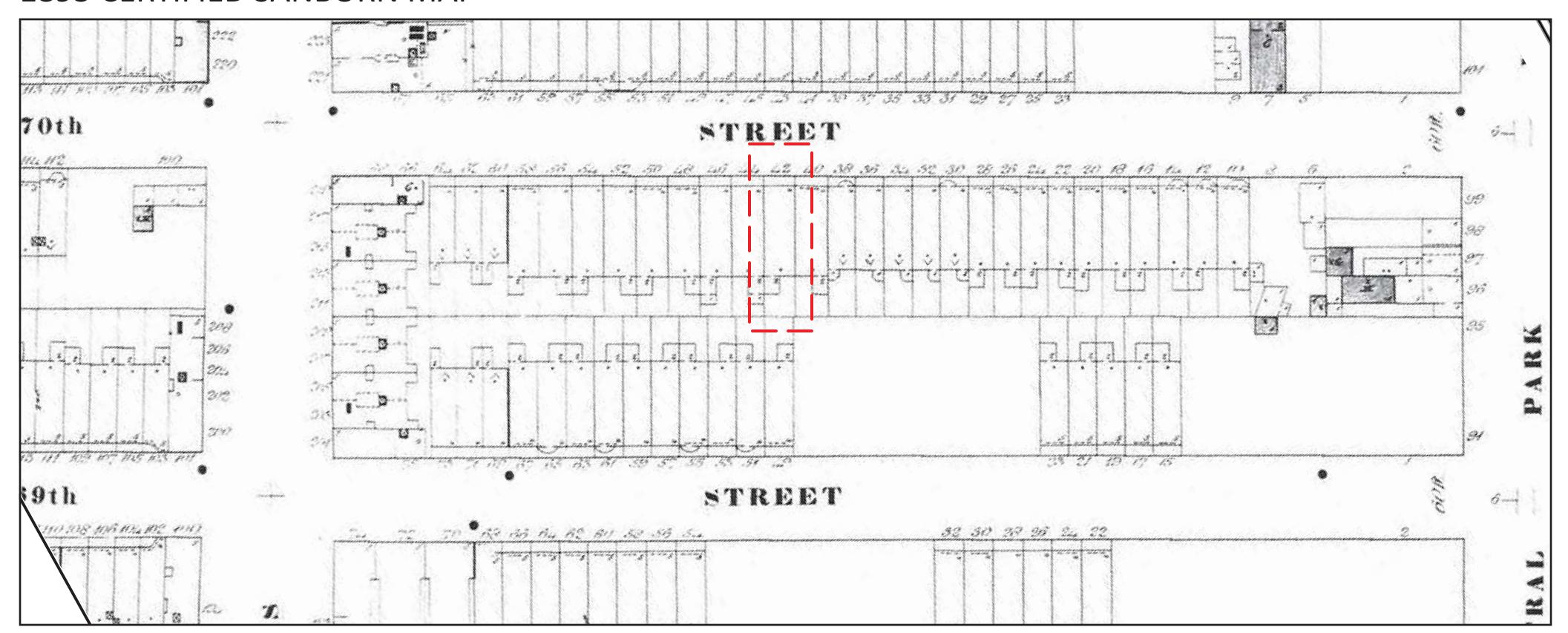
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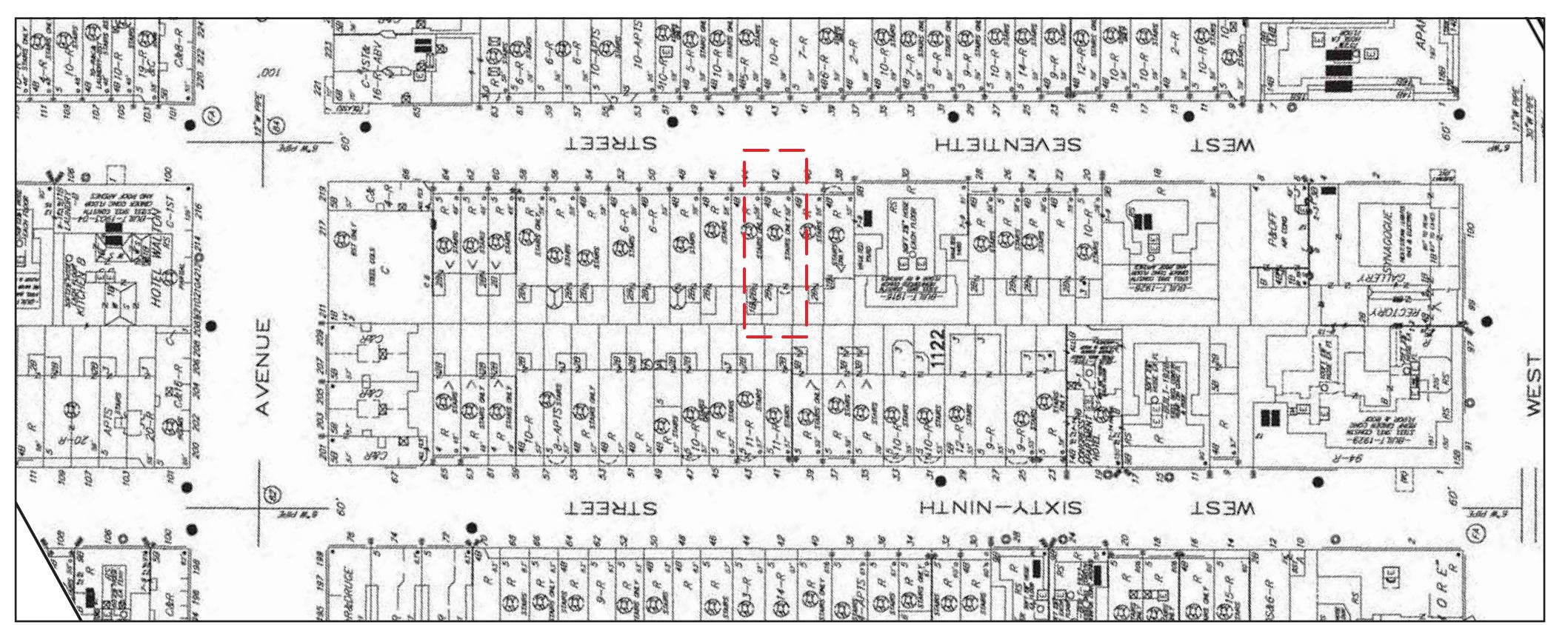


# SITE EVOLUTION HISTORIC MAPS

### 1895 CERTIFIED SANBORN MAP



### 2005 CERTIFIED SANBORN MAP



architect, pllc

CONSULTANTS

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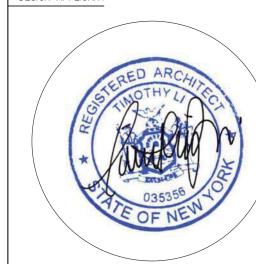
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HISTORIC MAPS

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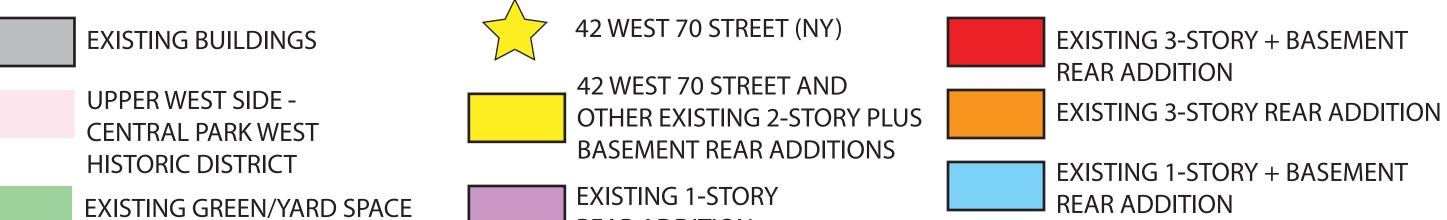
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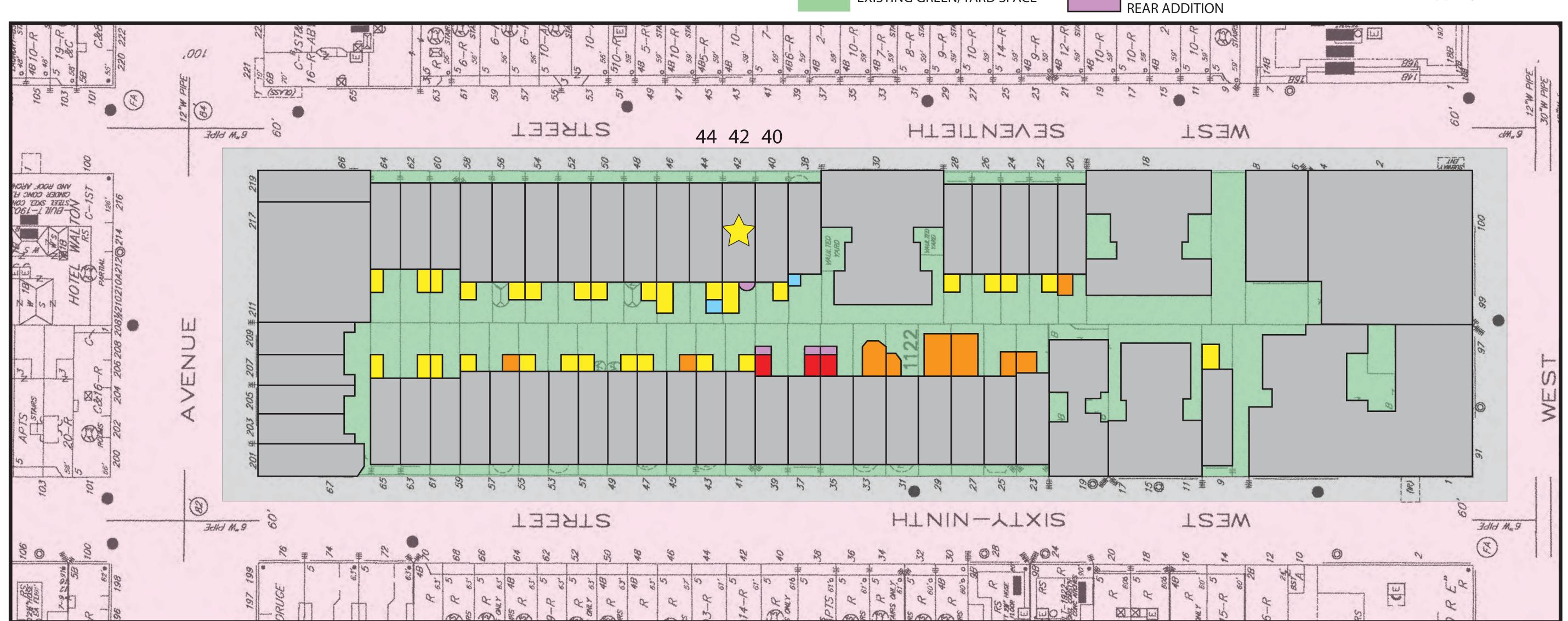
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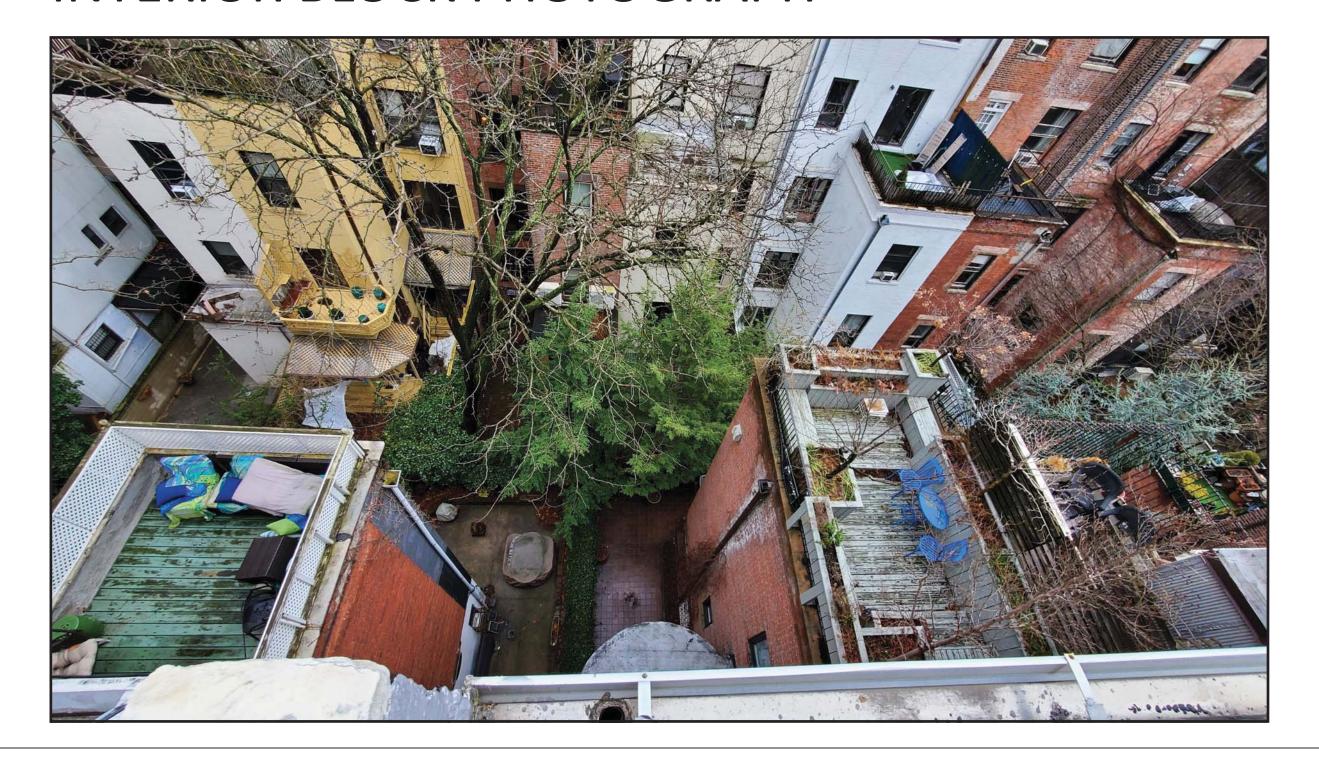
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# BLOCK INTERIOR EXISTING CONDITIONS AT BLOCK INTERIOR





## INTERIOR BLOCK PHOTOGRAPH



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JACQUELINE PEU-DUVALLON
HISTORIC PRESERVATION CON

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**EXISTING CONDITIONS** AT BLOCK INTERIOR



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DATE	04-01-2022

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## BLOCK INTERIOR **REAR ADDITION** 42 WEST 70 STREET AND **UPPER WEST SIDE -EXISTING 3-STORY REAR ADDITION** OTHER EXISTING 2-STORY PLUS CENTRAL PARK WEST BASEMENT REAR ADDITIONS PROPOSED CONDITIONS AT BLOCK INTERIOR HISTORIC DISTRICT EXISTING 1-STORY + BASEMENT **EXISTING 1-STORY** REAR ADDITION **EXISTING GREEN/YARD SPACE REAR ADDITION** STREET SEVENTIETH Jold M.9 com. 9 CHOICE COMO IT

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**EXISTING BUILDINGS** 

HTNIN-YTXIS

42 WEST 70 STREET (NY)

MEZL

GE

EXISTING 3-STORY + BASEMENT

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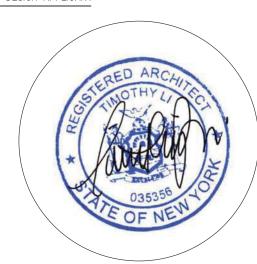
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PROJECT LOCATION

ALT-CO 42 WEST 70 STREET NEW YORK, NY 10023

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PROPOSED CONDITIONS AT BLOCK INTERIOR



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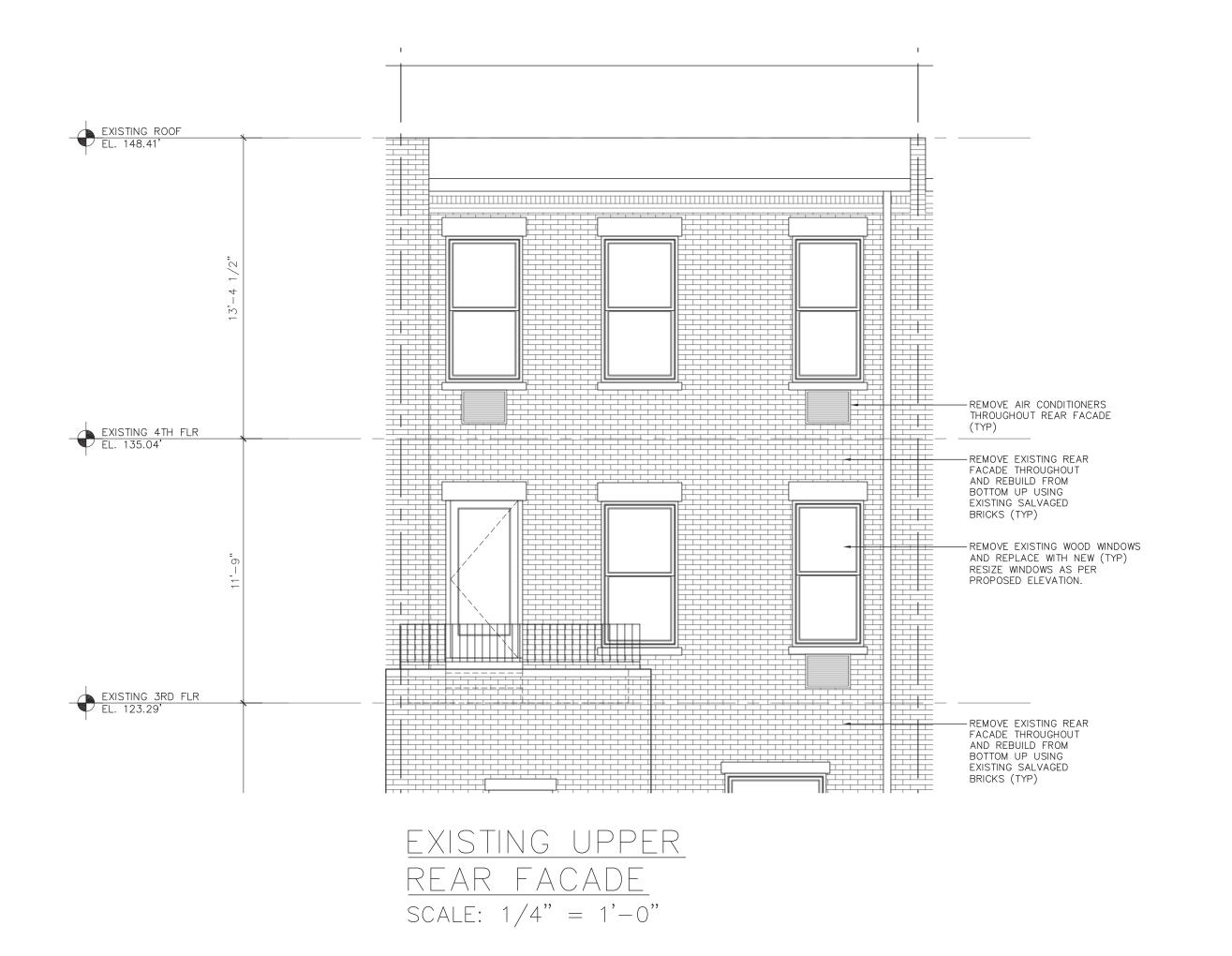
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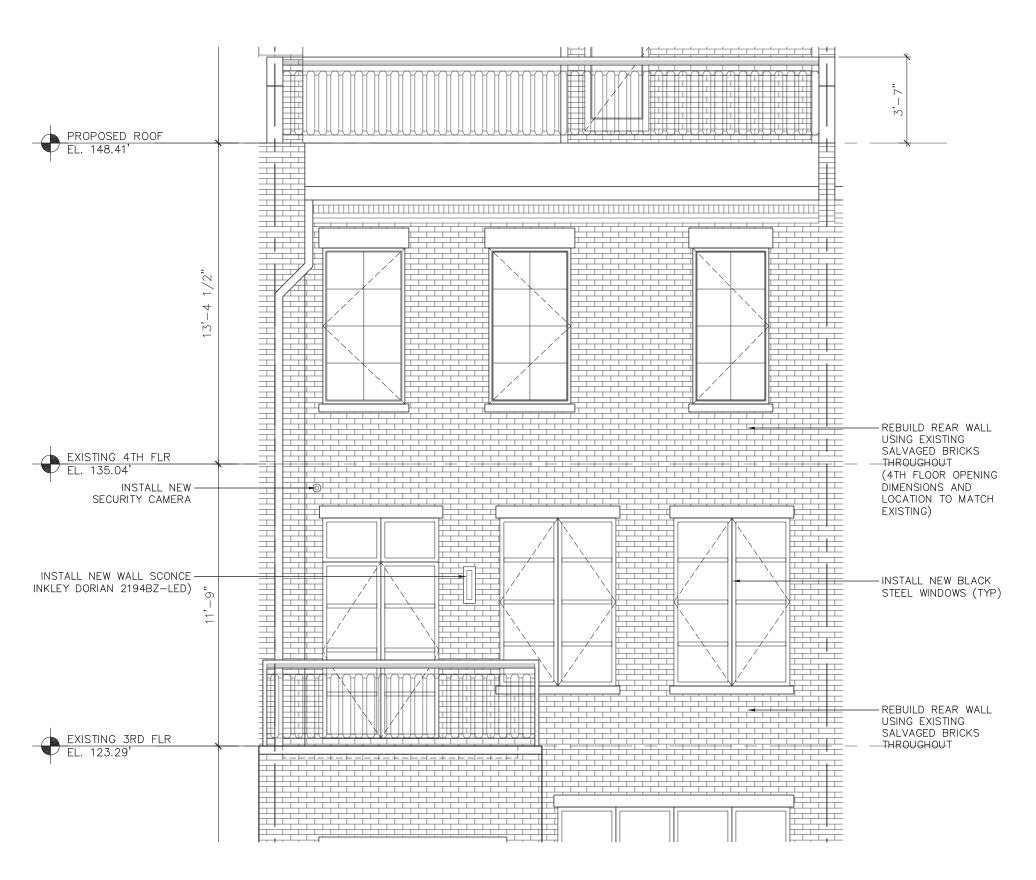
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21 OF 26

04-01-2022

# UPPER REAR FACADE EXISTING & PROPOSED REAR ELEVATIONS





PROPOSED UPPER REAR FACADE SCALE: 1/4" = 1'-0"



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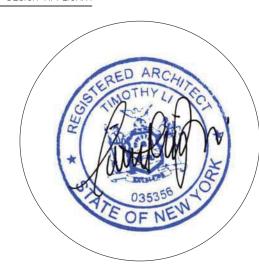
PROJECT LOCATION

42 WEST 70 STREET NEW YORK, NY 10023

DRAWING TITLE

**EXISTING & PROPOSED UPPER REAR ELEVATIONS** 

DESIGN APPLICANT



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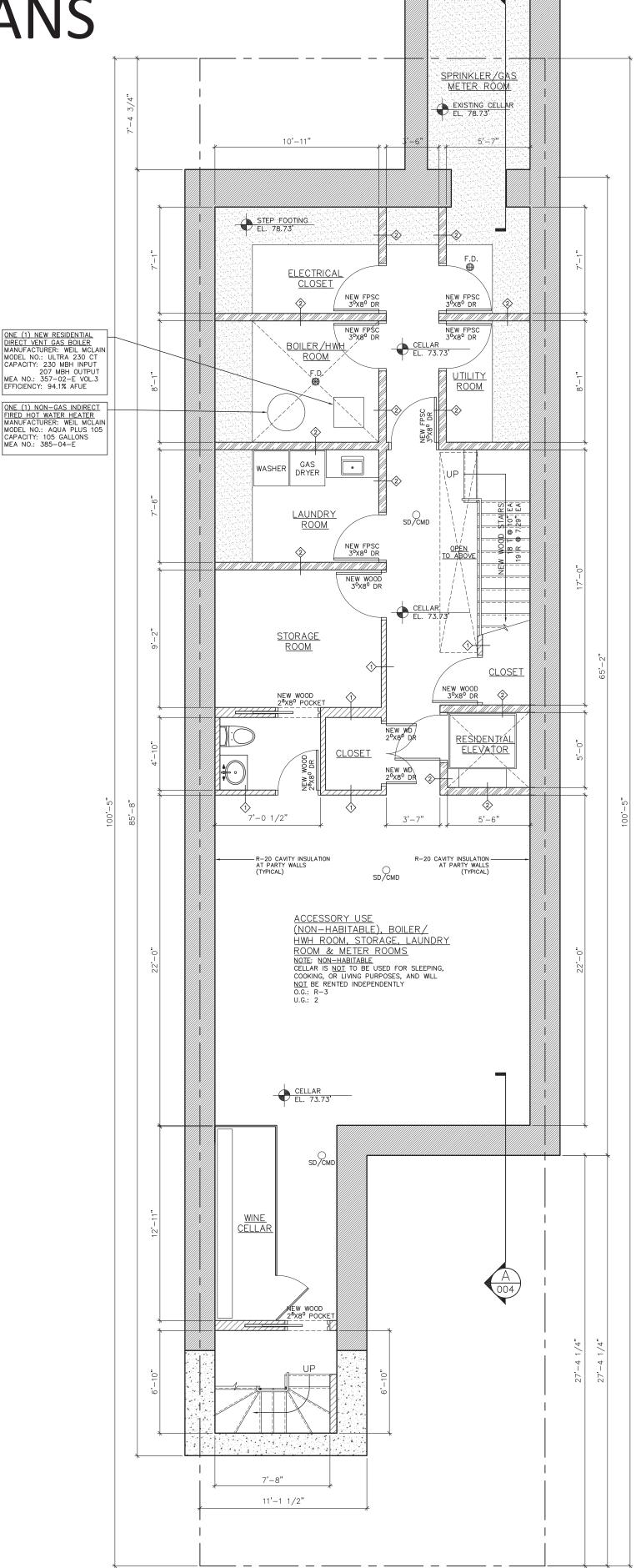
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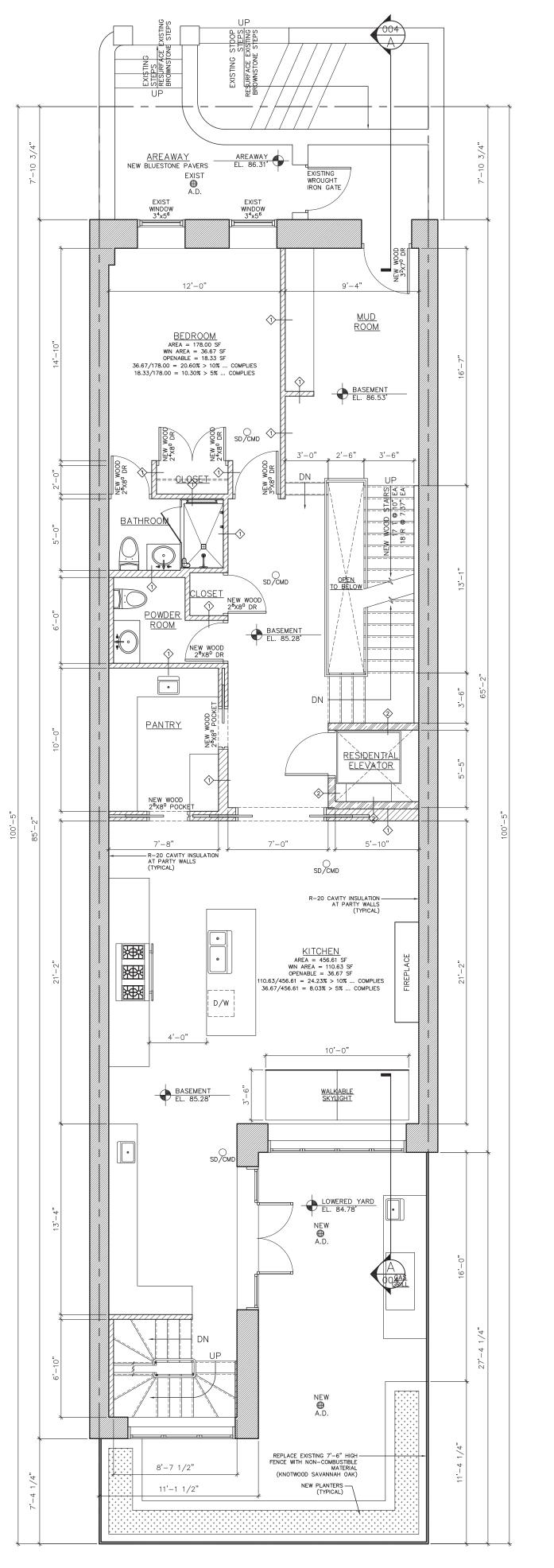
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# CELLAR & BASEMENT PLANS PROPOSED CELLAR & BASEMENT PLANS



PROPOSED CELLAR PLAN SCALE: 3/16" = 1'-0"



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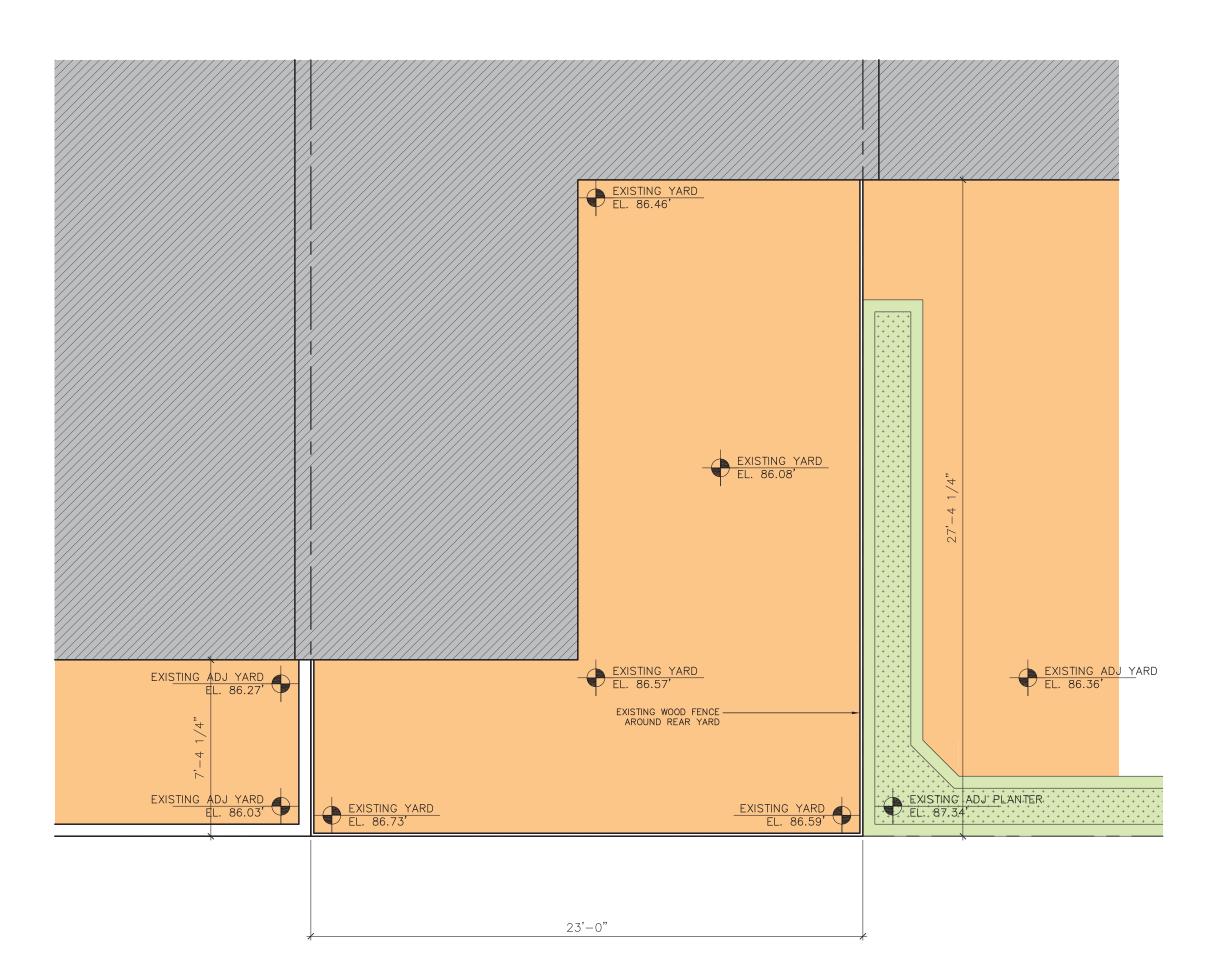
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PROPOSED BASEMENT PLAN scale: 3/16" = 1'-0"

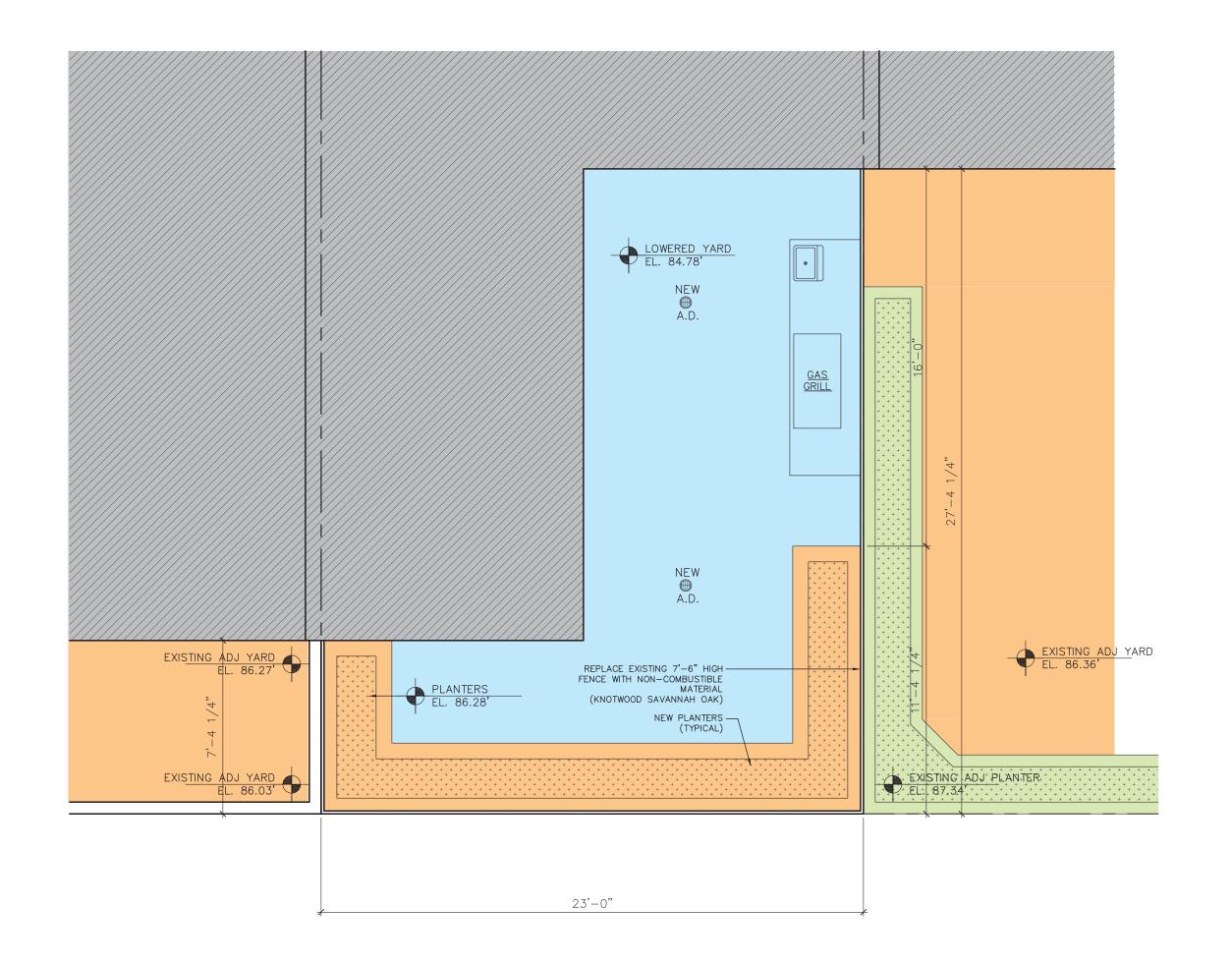
# REAR YARD

# EXISTING & PROPOSED REAR YARD PLANS & EXISTING REAR YARD PHOTOGRAPHS



EXISTING REAR YARD PLAN SCALE: 1/4" = 1'-0"

# GRADE ELEVATION 86.00'TO 86.50' GRADE ELEVATION 87.00'TO 87.50'



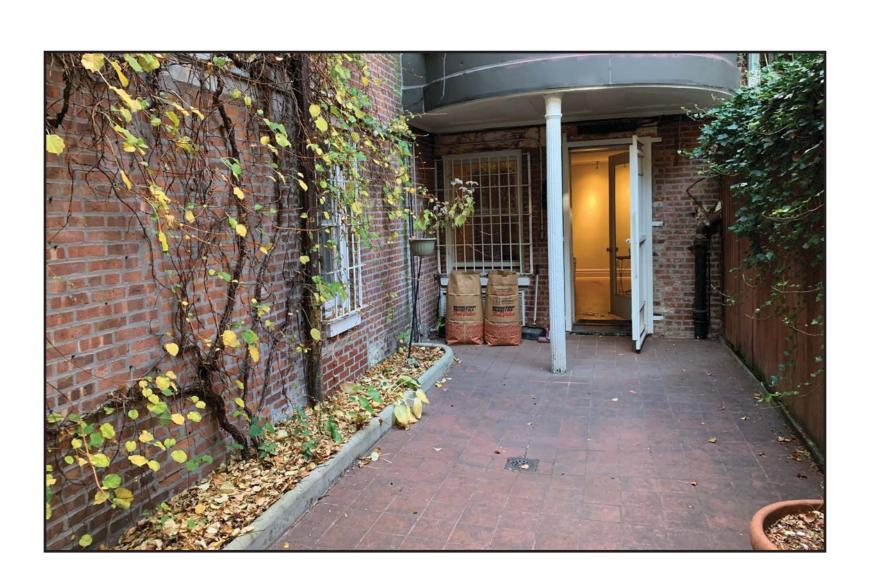
**GRADE ELEVATION 84.78'** 

PROPOSED REAR YARD PLAN SCALE: 1/4" = 1'-0"

## 42 WEST 70 STREET (NY)







T Li architect, pllc

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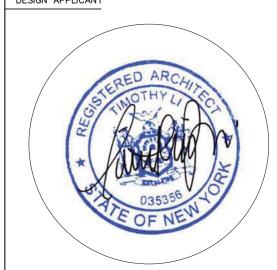
REVISION NO. REVISION DATE

PROJECT LOCATION

<u>ALT-CO</u> 42 WEST 70 STREET NEW YORK, NY 10023

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EXISTING & PROPOSED
REAR YARD PLANS &
EXISTING REAR YARD PHOTOS



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DESIGN APPLICANT



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DATE	04-01-2022

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### GENERAL STRUCTURAL AND CONSTRUCTION NOTES

### A. CODES AND STANDARDS:

- 1. THE FOLLOWING CODES AND STANDARDS SHALL APPLY TO THE DESIGN, CONSTRUCTION, AND QUALITY CONTROL OF ALL WORK PERFORMED ON THE PROJECT.
- a. NEW YORK CITY BUILDING CODE 1968 EDITION INCLUDING ALL AMENDMENTS.
- b. LOCAL LAW 17-95 NEW YORK CITY SEISMIC CODE
- "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", ACI 318, AMERICAN CONCRETE INSTITUTE.
- "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS", AMERICAN INSTITUTE OF STEEL CONSTRUCTION e. "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS", RESEARCH COUNCIL ON
- STRUCTURAL CONNECTIONS. f. "STRUCTURAL WELDING CODE ANSI/AWS D1.1", AMERICAN WELDING SOCIETY.
- "SDI MANUAL OF CONSTRUCTION WITH STEEL DECK No. MOC1," STEEL DECK INSTITUTE h. "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-95/ASCE 5/TMS 402) AND
- SPECIFICATION FOR MASONRY STRUCTURES (ACI 530.1/ASCE 6/TMS 602).
- "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", AMERICAN IRON AND STEEL INSTITUTE.

### B. DESIGN LOADS

### THE DESIGN LOADS COMPLY WITH THE PROVISIONS OF NYC BC 107.7 AND BC1604.

1.	FLOOR LIVE LOAD AREA TYPICAL FLOOR MACHINE ROOM	UNIFORM LD 40 PSF 100 PSF
2.	ROOF LIVE LOAD AREA ROOF	UNIFORM LD 60 PSF
3.	ROOF SNOW LOAD MAIN ROOF	30 PSF
4.	DEAD LOAD PARTITION LOAD FLOOR FINISHES ROOFING AND INSULATION MECHANICAL AND CEILING	12 PSF 5 PSF 10 PSF 5 PSF
5.	WIND LOAD MAIN WIND RESISTING SYSTEM COMPONENTS AND CLADDING	20 PSF 30 PSF

### 6. SEISMIC LOAD LATERAL LOAD RESISTING SYSTEM INTERMEDIATE REINFORCED MASONRY WALL/UNREINFORCED MASONRY WALL SEISMIC ZONE FACTOR Z = 0.15

SOIL PROFILE TYPE SITE COEFFICIENT RESPONSE MODIFICATION FACTOR Rw=3

### FOUNDATIONS SEE GEOTECHNICAL REPORT DATED DEC. 9, 2021 PREPARED BY TRIANGLE INSPECTION AND TESTING SERVICES, INC., ALLOWABLE BEARING PRESSURE AT BOTTOM OF FOOTING ELEVATION 5 TONS PER SQUARE FOOT.

### C. MATERIALS:

- 1. THE FOLLOWING ASTM STANDARDS AND DESIGN STRESSES SHALL BE USED FOR THE APPROPRIATE MATERIALS USED IN THE CONSTRUCTION OF THIS PROJECT.
- CEMENT: ASTM C150; TYPE I OR III
- AGGREGATES: ASTM C33 (NORMAL WEIGHT)
- 4. CONCRETE: ALL CONCRETE SHALL BE AIR-ENTRAINED 5% ±1% BY VOLUME, AIR-ENTRAININGADMIXTURE TO COMPLY WITH VOLUME, AIR-ENTRAINING ADMIXTURE TO COMPLY WITH

ASTM C260.			
	F'c @ 28 DAYS	WT	W/C
APPLICATION	PSI	PCF	,
a. SLAB ON GRADE, FOOTING, GRADE BEAM, WALLS		145	0.45
REINFORCING STEEL CLEAR COVER SHALL BE AS	FOLLOWS UNLESS		
NOTED OTHERWISE (NON-POST-TENSIONED):			
CONCRETE CAST AGAINST AND			
PERMANENTLY EXPOSED TO EARTH	3"		
CONCRETE EXPOSED TO EARTH OR WEATH			
#6 BARS AND LARGER	2"		
#5 BARS AND SMALLER	11/5"		
CONCRËTE NOT EXPOSED TO WEATHER OR	: IN		
CONTACT WITH GROUND SLABS, WALL, JOIS	STS:		
#11 BARS AND SMALLER	3/4"		
BEAMS, COLUMNS:	·		
PRIMARY REINFORCEMENT, TIES			
STIRRUPS, SPIRALS	1½" 2"		
SLABS CAST AGAINST MUD SLAB	2"		
REINFORCEMENT:			
a. DEFORMED REINFORCING BARS	ASTM	1 A615, GRAD	E 60
L WELDADLE DEINEODOING DADC	A CTL	4 AZOC	

### b. WELDABLE REINFORCING BARS ASTM A706 c. WELDED WIRE FABRIC (WWF) ASTM A185 6. STEEL: ASTM A36 a. STRUCTURAL SHAPES (EXCEPT W SHAPES) & PLATES

b. HIGH STRENGTH STRUCTURAL STEEL (W SHAPES) ASTM A992, GRADE 50, Fy=50KSI c. RECTANGULAR HOLLOW STRUCTURAL SHAPES ASTM A500, GRADE B, Fy=46KSI d. HIGH STRENGTH BOLTS ASTM A325 OR A490

ASTM F1554 GRADE 36 e. ANCHOR BOLTS f. HEADED SHEAR STUDS ASTM A108 AWS A5.1 OR A5.5, E70XX

### g. WELDING ELECTRODES h. ADHESIVE ANCHORING SYSTEM HILTI HVA SYSTEM OR APPROVED EQUAL

### D. DEMOLITION:

- ALL WORK DEMOLITION AND REMOVAL SHALL BE DONE CAREFULLY AND NEATLY, IN A SYSTEMATIC MANNER. . ALL EXISTING SURFACES AND EQUIPMENT TO REMAIN SHALL FULLY PROTECTED FROM DAMAGE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE AND SHALL MAKE REPAIRS REQUIRED WITHOUT ADDITIONAL COST TO THE OWNER.
- NO DEBRIS SHALL BE ALLOWED TO ACCUMULATE ON THE SITE.
- 4. DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AS THE JOB PROCEEDS. THE SITE SHALL BE LEFT BROOM CLEAN AT THE COMPLETION OF DEMOLITION.
- NO STRUCTURAL ELEMENTS SHALL BE REMOVED UNLESS
- PORTIONS AFFECTED ARE ADEQUATELY SUPPORTED BY EITHER TEMPORARY SHORING OR NEW STRUCTURAL
- ELEMENTS AS REQUIRED TO PROTECT THE STABILITY AND INTEGRITY OF THE EXISTING STRUCTURE. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN ALL TEMPORARY BARRIER AND GUARDS, AND ALL TEMPORARY SHORING AND BRACING AS REQUIRED BY THE NEW YORK CITY BUILDING CODE RULES AND REGULATIONS.

### E. CONSTRUCTION:

- TYPICAL DETAILS APPLY REPETITIVELY ON THE PROJECT. CONTRACTOR SHALL COORDINATE THE GENERAL
- REQUIREMENTS OF TYPICAL DETAILS WITH PROJECT CONDITIONS, PLANS, SPECIFICATIONS, AND SECTIONS. REPRODUCTION OF ANY PORTION OF THE STRUCTURAL CONTRACT DRAWINGS FOR RESUBMITTAL AS SHOP DRAWINGS IS

THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPER

- PROHIBITED. SHOP DRAWINGS PRODUCED IN SUCH A MANNER WILL BE REJECTED AND RETURNED. THESE DRAWINGS REPRESENT THE COMPLETED PROJECT WHICH HAS BEEN DESIGNED FOR THE WEIGHTS OF THE MATERIALS INDICATED ON THE DRAWINGS AND FOR THE SUPERIMPOSED LOADS, AS PER THE RELEVANT CODE. IT IS
- 4. ALL COSTS OF INVESTIGATION AND/OR REDESIGN, DUE TO CONTRACTOR MISLOCATION OF STRUCTURAL ELEMENTS OR OTHER LACK OF CONFORMANCE WITH THE PROJECT DOCUMENTS, SHALL BE AT THE CONTRACTOR'S EXPENSE.

DESIGN AND CONSTRUCTION OF FALSE WORK, FORM WORK, STAGINGS, BRACING, SHEETING AND SHORING, ETC.

- CONTRACTOR SHALL REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS, SLEEVES, CONCRETE HOUSEKEEPING PADS, INSERTS, AND DEPRESSIONS
- SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DETAILED INFORMATION REGARDING FINISHES, FIREPROOFING,
- 7. IN CASE OF CONFLICT BETWEEN THE GENERAL NOTES, DETAILS AND SPECIFICATIONS, THE MOST STRINGENT
- REQUIREMENTS SHALL GOVERN. DIMENSIONS SHALL NOT BE SCALED FROM THE STRUCTURAL CONTRACT DRAWINGS
- THE CONTRACTOR IS RESPONSIBLE FOR THE "MEANS AND METHODS" OF CONSTRUCTION FOR THE COMPLETION OF IHE WORK, AND BE RESPONSIBLE FOR ADEQUATELY BRACING, SHORING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE. SHORING AND BRACING REQUIREMENTS SHALL BE DESIGNED, FABRICATED AND INSTALLED BY THE CONTRACTOR.
- 10. THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL ADJACENT BUILDINGS FROM DAMAGE AND ENSURE THEIR STABILITY DURING CONSTRUCTION,
- 11. INSPECTION AND TESTING:
- a. ENGAGE A TESTING AGENCY AND A SPECIAL INSPECTOR TO PROVIDE SERVICES AS INDICATED BELOW AND SUBMIT REPORTS.
- b. CAST-IN-PLACE CONCRETE:
- (1) THE SPECIAL INSPECTOR SHALL INSPECT REINFORCING STEEL PLACEMENT FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS AND SHOP DRAWINGS. THE SPECIAL INSPECTOR SHALL MONITOR ALL STRUCTURAL CONCRETE PLACEMENT
- FOR CONFORMANCE WITH APPLICABLE ACI REQUIREMENTS. (2) TESTING AGENCY SHALL SAMPLE FRESH CONCRETE IN ACCORDANCE WITH ASTM C172. MOLD TEST CYLINDERS IN ACCORDANCE WITH ASTM C31. MEASURE AIR ENTRAINMENT IN ACCORDANCE WITH ASTM C231 AND PERFORM SLUMP TESTS IN ACCORDANCE WITH C143.
- (3) THE FOLLOWING NUMBER OF TEST CYLINDERS SHALL BE CAST FOR EACH DAY'S POUR OR EACH 50 CUBIC YARDS, WHICHEVER RESULTS IN MORE TEST CYLINDERS:
  - 2 @ 7 DAYS
  - 2 @ 28 DAYS
  - 2 SPARE
- (4) COMPRESSION TESTS SHALL BE MADE IN ACCORDANCE WITH ASTM C39.
- (5) THE AGENCY WILL MAKE ADDITIONAL TESTS OF IN-PLACE CONCRETE AT THE CONTRACTOR'S EXPENSE, AS DIRECTED BY THE STRUCTURAL ENGINEER, WHEN TEST RESULTS INDICATE SPECIFIED CONCRETE STRENGTHS HAVE NOT BEEN ATTAINED.

### F. FOUNDATIONS & STRUCTURAL EARTHWORK:

- 1. SEE THE SPECIFICATIONS AND GEOTECHNICAL REPORT REQUIREMENTS FOR EXCAVATION AND PREPARATION OF THE FOUNDATION AND SLAB-ON-GRADE SUBGRADE, INCLUDING COMPACTION RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT ARE PART OF THIS WORK.
- 2. CONTRACTOR SHALL VERIFY ALL EXISTING FIELD CONDITIONS THAT MAY AFFECT THE INSTALLATION OF
- THE FOUNDATION SYSTEM AS SHOWN PRIOR TO STARTING WORK. ALL FOUNDATIONS SUSCEPTIBLE TO FROST SHALL BEAR A MINIMUM OF 4'-0" BELOW GRADE. IN CASE OF CONFLICT, NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER IN ADVANCE OF ANY CONSTRUCTION TO ALLOW FOR
- 4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO ADEQUATELY UNDERPIN, SHORE, BRACE, NEEDLE AND SUPPORT ALL ADJACENT EXISTING CONSTRUCTION WHOSE INTEGRITY MAY BE AFFECTED BY THE EXECUTION OF THIS WORK UNTIL NO LONGER REQUIRED. THE CONTRACTOR SHALL ENGAGE A LICENSED PROFESSIONAL ENGINEER TO PROVIDE PLANS AND DETAILS, TO INSPECT, TO OBTAIN APPROVAL AND TO FILE REPORTS OF ALL SHORING, UNDERPINNING, NEEDLING, BRACING OR OTHER PROCEDURES AS REQUIRED BY THE BUILDING DEPARTMENT AND THE BUILDING CODE ANY DAMAGE DUE TO THE EXISTING STRUCTURES OR ADJACENT AREAS DUE TO NEGLIGENCE SHALL BE RECTIFIED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.
- 5. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT ALL EXISTING STRUCTURES, CURBS, STREETS, ETC. FROM DAMAGE BY CONSTRUCTION EQUIPMENT. THE CONTRACTOR SHALL NOT DISPOSE OF ANY LIQUIDS, SLURRY, SPOILS OR CHEMICALS ON THE SITE EXCEPT AS DIRECTED BY THE OWNER'S REPRESENTATIVE AND APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL RESOURCES OR OTHER AGENCIES HAVING JURISDICTION.

### G. CONCRETE:

- 1. SUBMIT MATERIAL TEST REPORTS FROM A QUALIFIED TESTING AGENCY INDICATIING THAT TEST RESULTS FOR TRIAL MIX BATCHES FOR EACH CONCRETE MIX DESIGN COMPLY WITH ACI 301 AND THE ADDITIONAL REQUIREMENTS OF THE PROJECT CONTRACT DOCUMENTS.
- 2. CONCRETE SLABS ON GRADE SHALL BE PLACED ON A MINIMUM 2" LAYER OF CLEAN, WELL-GRADED GRAVEL OR CRUSHED STONE OVER A VAPOR RETARDER OVER COMPACTED SUBGRADE.
- 3. CONSTRUCTION JOINTS AND CONTROL JOINTS IN SLABS-ON-GRADE SHALL BE ARRANGED TO LIMIT MAXIMUM AREA BETWEEN JOINTS TO 400 S.F. APPROXIMATELY SQUARE. ALLOW A MINIMUM OF 48 HOURS TIME BETWEEN PLACEMENT OF ADJACENT
- 4. ALL FORMWORK, SHORING AND RESHORING SHALL BE DESIGNED BY THE CONTRACTOR'S ENGINEER REGISTERED IN THE STATE OF NEW YORK. ALL SUBMISSIONS SHALL BEAR HIS/HER SEAL AND SIGNATURE.
- 5. SLEEVES SHALL NOT BE PLACED THROUGH ANY CONCRETE ELEMENT UNLESS SHOWN ON THE STRUCTURAL DRAWINGS, APPROVED SLEEVING SHOP DRAWINGS OR SPECIFICALLY AUTHORIZED IN WRITING BY THE STRUCTURAL ENGINEER. IF PERMITTED THEY SHALL COMPLY WITH ACI, SECTION 6.3.
- 6. DEVELOPMENT AND SPLICES OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI 318, EXCEPT AS NOTED OTHERWISE. a. ALL SPLICES FOR SLABS AND BEAMS SHALL BE TENSION SPLICE CLASS B.
- b. COMPRESSION SPLICES SHALL BE ONLY USED IN PIERS AND COLUMNS, UON. c. EMBEDMENT FOR DOWELS, ETC., SHALL BE TENSION DEVELOPMENT, UON.
- d. ALL REINFORCING BARS MARKED CONTINUOUS SHALL HAVE TENSION LAP SPLICES AT ALL SPLICES AND CORNERS, EXCEPT AS OTHERWISE NOTED ON DRAWINGS. LAP CONTINUOUS TOP BARS AT CENTER OF SPAN AND BOTTOM BARS NEAR SUPPORTS. HOOK TOP BARS AT DIS-CONTINUOUS SUPPORTS.
- e. WELDING OF REINFORCING BARS SHALL CONFORM TO THE "REINFORCING STEEL WELDING CODE" AWS D12.1 AND ACI 318. f. WELDING OF REINFORCING BARS IS NOT PERMITTED UNLESS SPECIFICALLY CALLED OR APPROVED BY THE STRUCTURAL ENGINEER.
- 7. ALL INSERTS AND SLEEVES SHALL BE CAST-IN-PLACE WHENEVER FEASIBLE. DRILLED OR POWDER DRIVEN FASTENERS WILL BE PERMITTED WHEN PROVEN TO THE SATISFACTION OF THE STRUCTURAL ENGINEER THAT THE FASTENERS WILL NOT SPALL THE CONCRETE AND HAVE THE SAME CAPACITY AS CAST-IN-PLACE INSERTS.
- 8. WHEN INSTALLING EXPANSION BOLTS OR ADHESIVE ANCHORS, THE CONTRACTOR SHALL TAKE MEASURES TO AVOID DRILLING OR CUTTING OF ANY EXISTING REINFORCING AND DESTRUCTION OF CONCRETE. HOLES SHALL BE BLOWN CLEAN PRIOR TO PLACING BOLTS OR ADHESIVE ANCHORS.
- CHAMFER EXPOSED CONCRETE CORNERS UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.
- 10. CONCRETE SLABS SHALL BE FINISHED FLAT AND LEVEL WITHIN TOLERANCE, TO THE ELEVATION INDICATED ON THE DRAWINGS. NOMINAL SLAB THICKNESS IS INDICATED. ACTUAL SLAB THICKNESS MAY VARY DUE TO BEAM AND DECK DEFLECTIONS. CONTRACTOR SHALL PROVIDE ADDITIONAL CONCRETE AS NECESSARY TO MAINTAIN A LEVEL SLAB SURFACE AT THE ELEVATION
- 11. FOUNDATIONS AND SLABS SHALL NOT HAVE COLD JOINTS IN A HORIZONTAL PLAN UNLESS SHOWN OTHERWISE.
- 12. TO MINIMIZE THE EFFECTS OF SHRINKAGE, CAST CONCRETE IN ALTERNATE SECTIONS, ADJACENT SECTIONS MAY BE CAST WHEN THE PREVIOUSLY PLACED SECTION HAS CURED FOR 48 HOURS AFTER INITIAL SET.

### H. MASONRY:

- 1. CONCRETE BLOCK SHALL BE OF NORMAL WEIGHT AGGREGATE, AND SHALL CONFORM TO THE FOLLOWING STANDARDS:
- HOLLOW BLOCK ASTM C90, GRADE N1 (f'm = 2,000 PSI ON NET AREA) 2. ALL MORTAR SHALL BE ASTM C270, TYPE M. MINIMUM AVERAGE COMPRESSIVE STRENGTH OF MORTAR TO BE 2,000 PSI AT 28 DAYS. FOR MASONRY BEARING WALL, SHEAR WALL, FACADE BACK-UP WALL, MORTAR PROPORTIONS SHALL BE BASED ON ASTM C270, TABLE 1, WITH 1 PART OF PORTLAND CEMENT OR BLENDED CEMENT, 1/2 PART OF HYDRATED LIME OR LIME PUTTY. NOT LESS THAN 21/2 AND NOT MORE THAN 3 TIMES
- 3. ALL GROUT UNDER STEEL BEARING PLATE SHALL BE HIGH STRENGTH NON—SHRINK GROUT, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS, AS MEASURED IN ACCORDANCE WITH ASTM C-109. 4. GENERAL:

THE SUM OF THE SEPARATE VOLUMES OF CEMENTITIOUS MATERIALS.

- a. PROVIDE STANDARD WEIGHT GALVANIZED HORIZONTAL JOINT REINFORCEMENT IN ALL WALLS AND PARTITIONS AT 16 INCHES O.C. UNLESS OTHERWISE SHOWN OR NOTED. PROVIDE ONE PIECE PREFABRICATEDUNITS AT 8 INCHES O.C. AT ALL WALL CORNERS AND INTERSECTIONS.
- b. PROVIDE MASONRY ANCHORS AT 16 INCHES O.C. SET ON COURSING AND ATTACHED TO ALL BEAMS, COLUMNS, PARTITIONS AND WALLS ABUTTING OR EMBEDDED IN MASONRY.
- c. PROVIDE CONTINUOUS 16" DEEP BOND BEAM WITH 2-#6 TOP AND BOTTOM HORIZONTAL REINFORCEMENT CONTINUOUS IN ALL MASONRY WALLS AT EACH FRAMING LEVEL.
- d. ALL PIERS AND PARTITIONS SHALL BE BONDED OR ANCHORED TO ADJACENT MASONRY WALLS. PROVIDE TIES TO ADJACENT FLOOR AND ROOF CONSTRUCTION IN ACCORDANCE WITH DETAILS ON DRAWINGS. e. IN MULTIPLE WYTHE WALLS (CAVITY AND COMPOSITE WALLS), BOND THE WYTHES TOGETHER WITH RIGID METAL
- TIES OR PREFABRICATED JOINT REINFORCEMENT CONFORMING TO ACI 530/ASCE 5 REQUIREMENTS.COMPLETELY FILL ALL COLLAR JOINTS IN COMPOSITE WALLS WITH MORTAR OR GROUT.
- f. IN GROUTED AND/OR REINFORCED MASONRY WALLS, USE MASONRY UNITS WITH CORES THAT ALIGN VERTICALLY TO PROVIDE CONTINUOUS UNOBSTRUCTED CELLS FOR GROUTING AND REINFORCING STEEL

a. LAP SPLICES FOR DEFORMED REINFORCING BARS USED IN MASONRY CONSTRUCTION SHALL BE 50 BAR

- DIAMETERS U.O.N. h. ALL WALL SECTIONS LESS THAN 4 FEET IN LENGTH AND PIERS LESS THAN 4 SQUARE FEET IN
- CROSS-SECTIONAL AREA TO BE FULLY GROUTED. i. GROUT INGREDIENT PROPORTIONS AT HOLLOW MASONRY CELLS SHALL BE SELECTED BASED ON ASTM C476, TABLE 1. THE MINIMUM GROUT STRENGTH IS 2000 PSI.

TYPE	PARTS BY VOLUME OF PORTLAND CEMENT OR	PARTS BY VOLUME OF HYDRATED LIME	AGGREGATE, MEASURED IN A DAMP, LOOSE CONDITION		
	BLENDED CEMENT	OR LIME PUTTY	FINE	COARSE	
FINE GROUT	1	0-1/10	2½-3 TIMES THE SUM OF THE VOLUMES OF THE CEMENTITIOUS MATERIALS	-	
COARSE GROUT	1	0-40	21/4-3 TIMES THE SUM OF THE VOLUMES OF THE CEMENTITIOUS MATERIALS	1-2 TIMES THE SUM OF THE VOLUMES OF THE CEMENTITIOUS MATERIALS	

- CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND SUPPORT FOR ALL MASONRY WORK UNTIL PERMANENT CONSTRUCTION IS IN PLACE.
- k. SEE SPECIFICATIONS AND ARCHITECTURAL DRAWINGS FOR GENERAL CONTROL JOINT REQUIREMENTS. JOINTS ARE TO BE CONSTRUCTED IN ALL WALLS AND PARTITIONS. PROVIDE GALVANIZED STEEL W-SHAPE LINTELS AT EXTERIOR WALLS. PROVIDE MINIMUM 8" BEARING EACH
- m. THE CONTRACTOR SHALL VERIFY ALL OPENINGS BELOW LINTELS INDICATED ARE ADEQUATE TO ACCEPT
- DOORFRAMES, LOUVERS ETC. AS SHOWN ON THE ARCHITECTURAL & MECHANICAL DRAWINGS. NOTIFY THE DESIGNER OF ANY DISCREPANCIES PRIOR TO LINTEL INSTALLATION. n. NO OPENINGS SHALL BE PLACED ABOVE ANY LINTEL WITHIN A HEIGHT LESS THAN OR EQUAL TO THE WIDTH
- OF THE CLEAR OPENING BELOW THE LINTEL, UNLESS SPECIFICALLY SHOWN OR APPROVED BY THE DESIGNER. o. THE CONTRACTOR SHALL PROVIDE LATERAL BRACING AT 4'-0" O/C AT THE TOP OF ALL INTERIOR CMU WALLS. LATERAL BRACING SHALL RESIST A HORIZONTAL FORCE OF 200 LBS PER LINEAR FOOT OF WALL.

### I. STRUCTURAL COLD FORM STEEL FRAMING:

- 1. MEMBER DESIGNATION AND PROPERTIES ARE BASED ON MARINOWARE INDUSTRIES INC. STEEL FRAMING CATALOGUE. FRAMING BY OTHER MANUFACTURERS MAY BE SUPPLIED PROVIDED SECTION PROPERTIES EQUAL OR EXCEED THOSE SPECIFIED AND IF APPROVED BY THE COMMISSIONERS.
- . FLOOR/ROOF JOISTS SHALL ALIGN WITH WALL STUDS. CONNECTIONS SHALL BE BY WELDING, RIVETING, BOLTING OR OTHER APPROVED FASTENING DEVICES OR METHODS PROVIDING POSITIVE ATTACHMENT AND RESISTANCE TO LOOSENING. FASTENERS SHALL BE OF COMPATIBLE MATERIAL
- 4. FOR ALL WALL AND FLOOR FRAMING, PROVIDE INTERMEDIATE BRACING/BRIDGING PER SSMA SPECIFICATION. 5. ALL COLD FORM STEEL FRAMING DESIGN AND/OR DETAILS SHALL BE PREPARED BY THE CONTRACTOR'S ENGINEER REGISTERED IN THE STATE OF NEW YORK, CALCULATIONS AND SHOP DRAWINGS SHALL BE SUBMITTED BEARING THIS ENGINEER'S SEAL AND SIGNATURE. SIZE SHOWN ON PLANS ARE MIN SIZE REQUIRED. THESE SIZES SHALL BE USED AS REFERENCE ONLY.
- 6. TEMPORARY STORAGE MATERIALS AND OTHER CONSTRUCTION LOADS ARE NOT INCLUDED IN THE COLD FORMED METAL FRAMING DESIGN. THE CONTRACTOR SHALL ENGAGE A PROFESSIONAL ENGINEER REGISTERED IN STATE OF NEW YORK TO EVALUATE THE TEMPORARY CONDITIONS OF THE STRUCTURE UNDER CONSTRUCTION BEFORE LOADING THE STRUCTURE, AND PROVIDE SHORING & BRACING AS REQUIRED DURING CONSTRUCTION.
- 7. TOLERANCES FOR FOUNDATIONS, FLOORS, WALLS, ROOFS, AND CEILINGS SHALL BE IN ACCORDANCE WITH SECTION C OF AISI S200-2007
- 8. DIAMETER, LENGTH, QUANTITY, SPACING, EDGE DISTANCE, AND LOCATION REQUIREMENTS FOR SCREWS, BOLTS, ANCHORS, AND OTHER FASTENERS SHALL BE IN ACCORDANCE WITH SECTION D OF AISI
- 9. CUTS, SEATING, AND GAP TOLERANCES FOR END BEARING CONNECTIONS SHALL BE IN ACCORDANCE WITH SECTION C3.4.4 OF AISI S200-2007.

### J. COORDINATION:

1. THE INTENT OF THE STRUCTURAL DRAWINGS IS TO SHOW THE MAIN STRUCTURAL FEATURES AND STRUCTURAL DESIGN FOR THE PROJECT. ARCHITECTURAL DETAILS ARE SHOWN INCIDENTALLY ONLY AND NOT COMPLETELY.THEREFORE, ARCHITECTURAL DRAWINGS MUST BE USED IN CONJUNCTION WITH STRUCTURAL DRAWINGS DURING ALL PHASES OF CONSTRUCTION. VERIFY ALL DIMENSIONS AND ELEVATIONS SHOWN BEFORE COMMENCING COMMENCING WORK. DISCREPANCIES BETWEEN STRUCTURAL DRAWINGS AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/E.O.R. FOR CLARIFICATION PRIOR TO COMMENCING THE WORK.

### K. SPECIAL INSPECTIONS, PROGRESS INSPECTIONS AND QUALITY CONTROL

SPECIAL AND PROGRESS INSPECTIONS SHALL BE PERFORMED AS PER THE NEW YORK CITY BUILDING CODE FOR ALL REQUIRED ITEMS, INCLUDING:

### SPECIAL INSPECTION:

STRUCTURAL STEEL — WELDING	(BC	1704.3.1)
STRUCTURAL STEEL — HIGH STRENGTH BOLTING	(BC	1704.3.3)
STRUCTURAL COLD-FORMED STEEL	(BC	1704.3.4)
CONCRETE - CAST-IN-PLACE	(BC	1704.4)
MASONRY	(BC	1704.5)
SUBGRADE INSPECTION	(BC	1704.7.1)
STRUCTURAL STABILITY — EXISTING BUILDINGS	(BC	1704.20.1)
JNDERPINNING	(BC	1704.20.3, BC 1814)
POST-INSTALLED ANCHORS (BB#2014-018, 2014-019)	(BC	1704.32)
CONCRETE SAMPLING & TESTING (TR2)	(BC	1905.6, BC 1913.10)
CONCRETE DESIGN MIX (TR3)	(BC	1905.3, BC 1913.5)
SUBSURFACE INVESTIGATIONS (BORINGS/TEST PITS) (TR4)	(BC	1704.7.4)

### PROGRESS INSPECTION:

FOOTING AND FOUNDATION (BC 110.3.1) (28-116.2.4.2, BC110.5) FINAL

### L. LANDMARK NOTES:

THIS BUILDING IS A LANDMARK BUILDING.

### M. NYCECC COMPLIANCE STATEMENT:

TO THE BEST OF MY KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGMENT, ALL WORK UNDER THIS APPLICATION IS IN COMPLIANCE WITH ENERGY CONSERVATION CODE OF NEW YORK CITY. (NYCECC-2020). THIS APPLICATION IS FILED ONLY FOR STRUCTURAL WORK. ENERGY ANALYSIS ARE PROVIDED IN ARCHITECTURAL DRAWINGS

### N. SCOPE OF WORK:

STRUCTURAL DESIGN RELATES TO A 4 STORY RESIDENTIAL BUILDING RENOVATIONS. IN CONJUNCTION WITH DOB NOW JOB #M00526440-I1 NO CHANGE IN USE EGRESS OR OCCUPANCY

### O. RELATED APPLICATION:

1. DOB NOW JOB #M00526440-I1 (ARCHITECTURAL APPLICATION)

### P. LEGEND:

### INDICATE NEW CONCRETE WALL INDICATE COLD FORMED STEEL STUD WALL INDICATE EXISTING MASONRY WALL

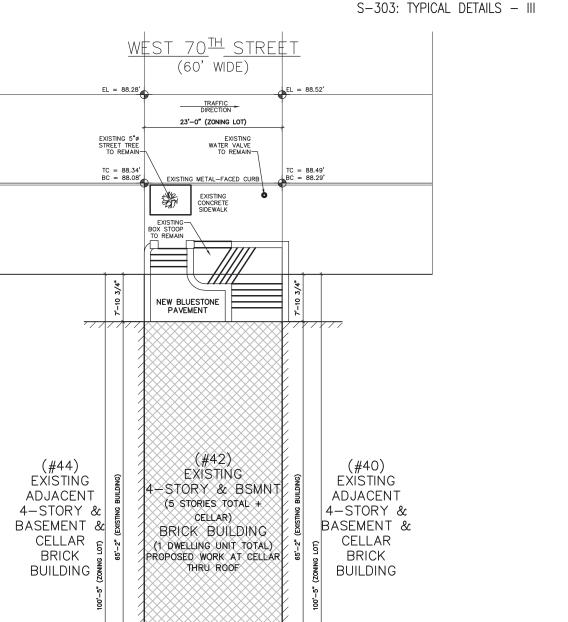
INDICATE COLUMN ABOVE

INDICATE COLUMN BELOW

### Q. LIST OF DRAWINGS:

FO-001: GENERAL NOTES & PLOT PLAN FO-101: FOUNDATION PLAN FO-102: FOUNDATION SECTIONS FO-103: FOUNDATION TYPICAL DETAILS S-201: BASEMENT TO 2ND FLOOR FRAMING PLAN S-202: 3RD FLOOR TO BULKHEAD FRAMING PLAN S-203: COLUMN SCHEDULE AND FLOOR SECTIONS

S-301: TYPICAL DETAILS - I S-302: TYPICAL DETAILS - II



## 2. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS AND ELEVATIONS

### DOB APPROVAL STAMP

BLOCK: 1122 LOT: 52 ZONE: R8B PROPOSED

MAP#: 8C

11'-1 1/2" 11'-10 1/2"

23'-0" (ZONING LOT)

BASEMENT EXISTING

& CELLAR REAR

PORTION YARD

EXISTING

2-STORY

NOT TO SCALE

## TLI ARCHITECT. PLLC

2171 68TH STREET, 2ND FLOOR FRONT BROOKLYN, NY 11204 TEL: 718.975.8373 FAX: 347.412.9360 TLI.ARCHITECT@GMAIL.COM

STRUCTURE ENGINEER

ARCHITECT

TB ENGINEERING SERVICES ESH MEADOWS, NY 11365 WEB: WWW.TBES.US EMAIL: INFO@TBES.U

GENERAL NOTES

THESE PLANS ARE AN INSTRUMENT OF SERVICE AND ARE THE PROPERTY OF THE ENGINEER. INFRINGEMENT WILL BE

CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND BE RESPONSIBLE FOR FIELD FIT AND QUANTITY OF WORK, NO ALLOWANCES SHALL BE MADE ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLECT ON HIS/HER PART.

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REVISIONS REVISION DATE REVISION NO.

PROJECT LOCATION

ALTERATION 1 42 WEST 70 STREET NEW YORK, NY 10023

GENERAL NOTES & PLOT PLAN

DRAWING TITLE



NYC DOB NUMBER

DRAWN BY

PROJECT NO.

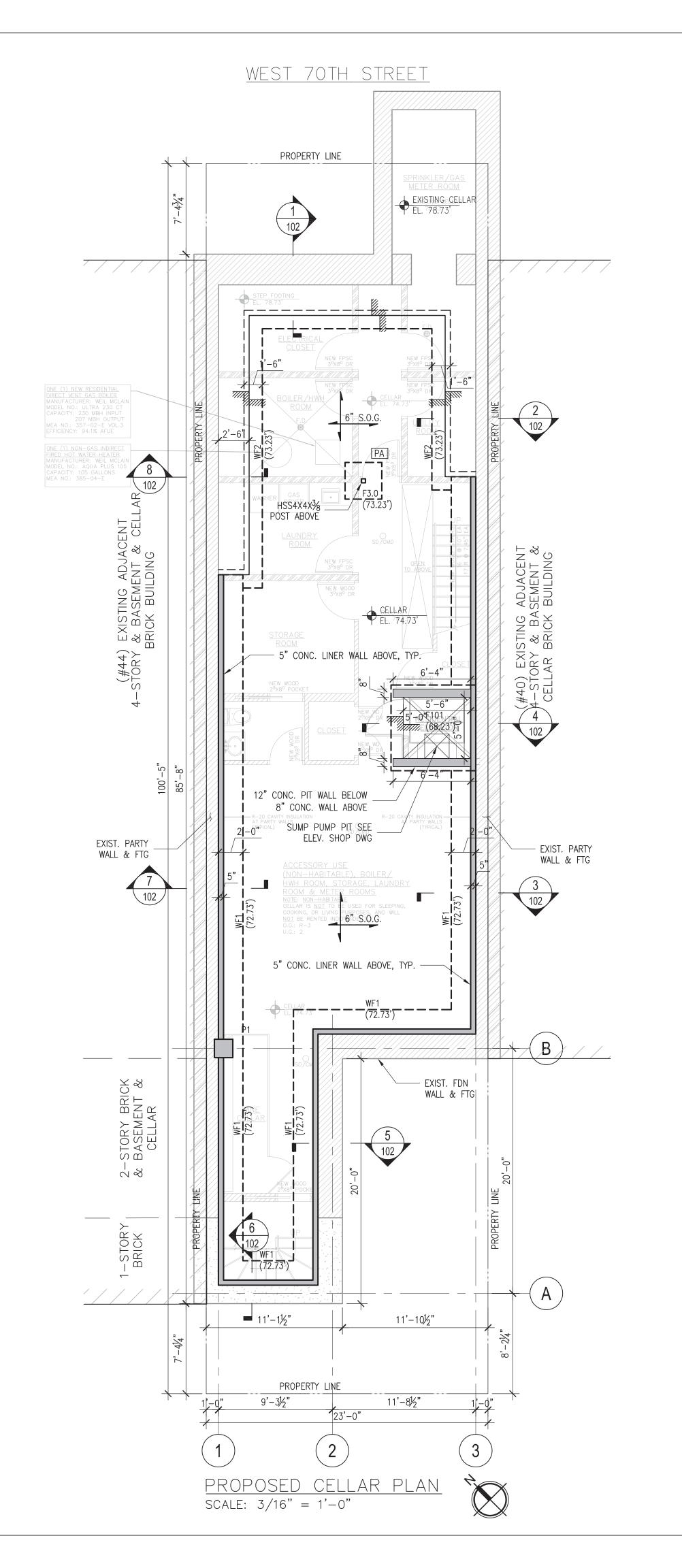
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### FOUNDATION NOTES:

- 1. TOP OF CELLAR ELEVATION TO BE 74.73' UNLESS OTHERWISE NOTED THUS  $\pm$ \_\_\_ INDICATING DISTANCE ABOVE OR BELOW TOP OF SLAB. ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED WITH ARCHITECTURAL DRAWINGS AND IN FIELD.
- 2. S.O.G. TO BE 6" THICK REINFORCED WITH 6X6-W2.9X2.9 WWF.
- 3. FOUNDATION DESIGN BASED ON ALLOWABLE SOIL BEARING PRESSURE OF 5 TONS PER SQUARE FOOT. SEE GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION AND OTHER INFO. SEE TYPICAL SLAB ON GRADE DETAIL.
- 4. UNMARKED CONCRETE WALL REINF. TO BE #5@12" VERT. EACH FACE & #5@12" HORIZ. EACH FACE.
- 5. 5" LINER WALL REINF. TO BE #5@12" VERT. & #5@12" HORIZ.
- 6. FOR FOUNDATION SECTIONS AND DETAILS, SEE DWG S-102.
- 7. FOR GENERAL NOTES SEE DWG S-001.
- 8. FOR TYPICAL DETAILS, SEE DWG S-301~S-304.
- 9. SEE ARCH DWG FOR DAMP PROOFING AND WATERSTOP INFORMATION.

FOOTING SCHEDULE				
MARK	WIDTH	DEPTH	BOTTOM REINF EACH WAY UON	REMARKS
WF1	2'-0"	1'-6"	#5@10" S.W. 4#5 L.W.	
WF2	1'-6"	1'-0"	#5@12" S.W. 3#5 L.W.	
F3.0	3'-0"X3'-0"	1'-0"	5#5 EA. WAY	
F101	SEE PLAN	1'-6"	#6@12" EA. WAY	TOP BARS TO MATCH BOTTOM BARS

CONC. PIER SCHEDULE				
MARK	SIZE	VERTICAL REINF.	TIES	REMARKS
P1	18"X18"	8-#7	#4@12" O.C.	

CMU WALL SCHEDULE					
WALL TYPE	HATCH	VERTICAL	HORIZONTAL	JAMB REBAR	REMARKS
TYPE I		#5@8" O.C.	HB 120 STD TRUSS REINF. @ EVERY OTHER COURSE	2-#5	FULLY GROUTED
TYPE II		#5@24" O.C.	HB 120 STD TRUSS REINF. @ EVERY OTHER COURSE	2-#5	FULLY GROUTED

ARCHITECT

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REVISION NO.	REVISION DATE

PROJECT LOCATION

REVISIONS

ALTERATION 1 42 WEST 70 STREET NEW YORK, NY 10023

DRAWING TITLE

FOUNDATION PLAN

DESIGN APPLICANT



NYC DOB NUMBER

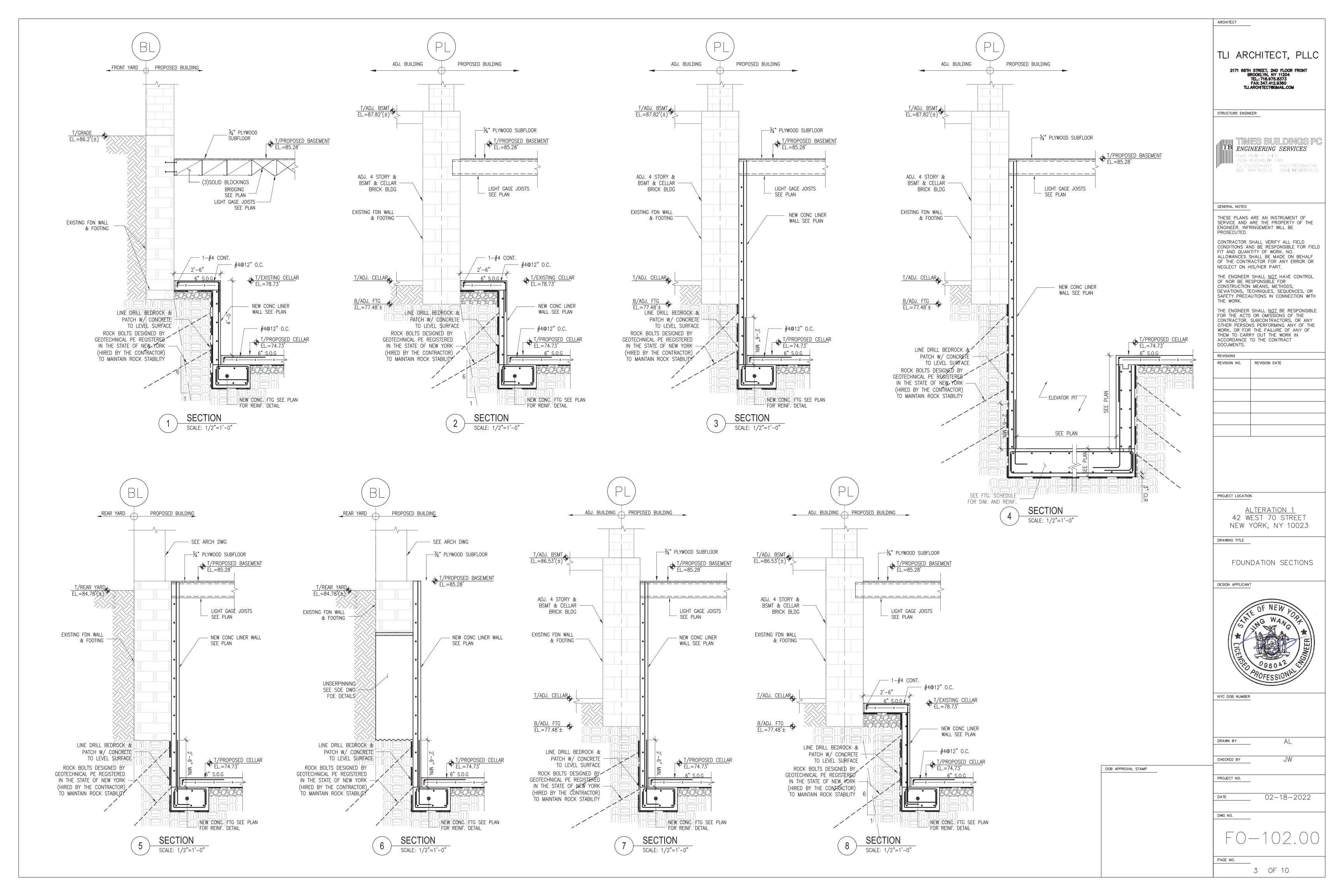
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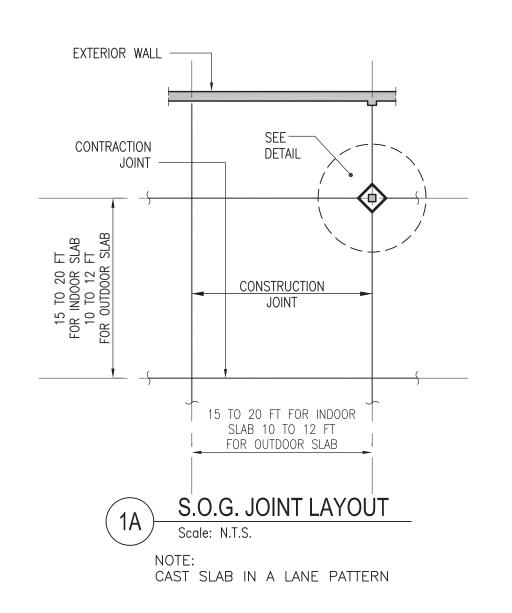
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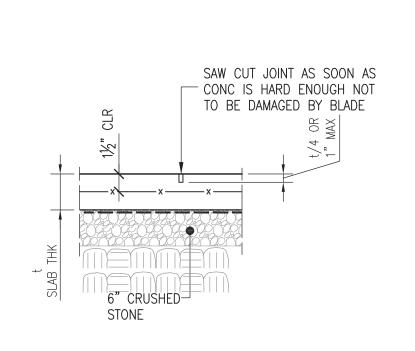
PROJECT NO.

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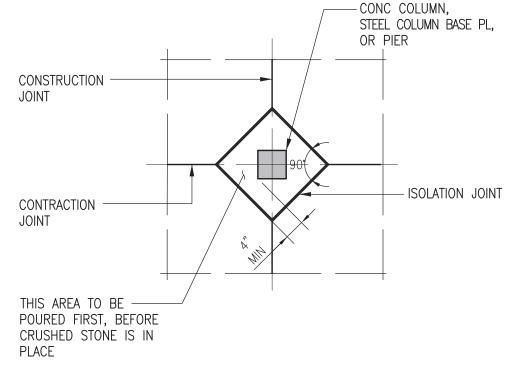
02-18-2022



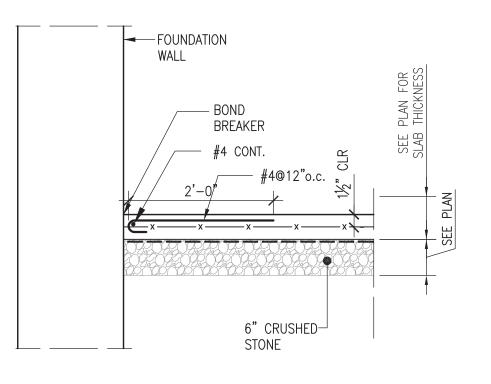




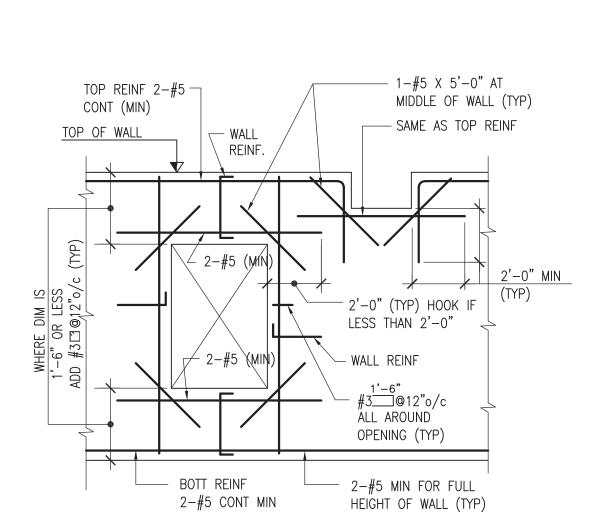
S.O.G. CONTRACTION JOINT



S.O.G. JOINT AT INTERIOR COLUMN



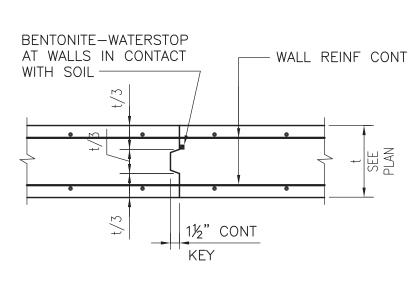
S.O.G. JOINT AT FDN WALL Scale: N.T.S.



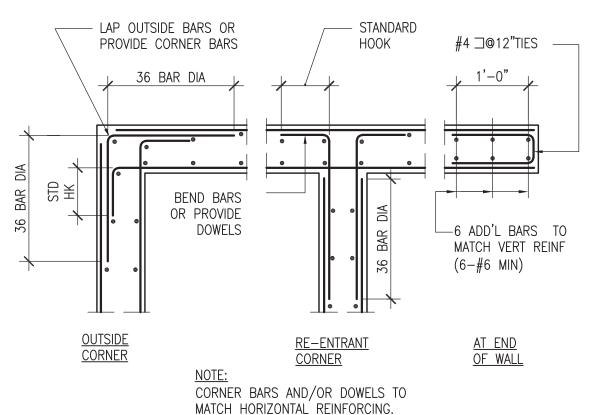
TYPICAL ADDITIONAL REINFORCING AT

IF OPENING IS SMALL AND REINFORCING IS NOT INTERRUPTED NO ADDITIONAL REINFORCING IS REQUIRED.

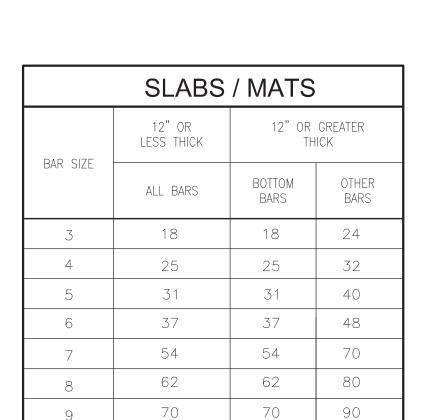
OPENINGS IN CONCRETE WALL



TYPICAL WALL CONSTRUCTION JOINT Scale: N.T.S.



DETAILS FOR HORIZONTAL REINFORCING AT CORNERS OF CONCRETE WALLS



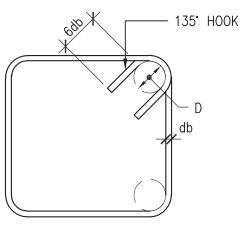
102

113

WALLS			COLUM
BAR SIZE	VERTICAL AND HORIZONTAL BARS		BAR SIZE
3	18		3
4	25		4
5	31		5
6	37		6
7	54		7
8	62		8
9	70		9
10	78		10
11	87		11
_		,	

COLUMN	S/BEAMS
BAR SIZE	VERTICAL BARS
3	18
4	25
5	31
6	37
7	54
8	62
9	70
10	78
11	87

REBAR SPLICE LENGTHS SCHEDULES FOR f'c=4 KSI N.W. CONCRETE Scale: N.T.S



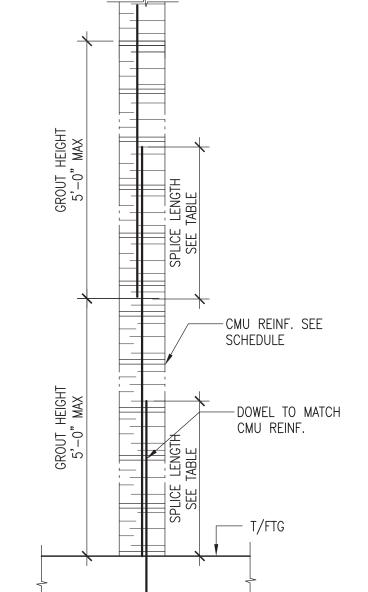
**CLOSED TIE** 

	DETAILING DIMENSION 号一	
,"A", SEE TABLE,	D D D D	

<u> 100K</u>

REINFORC		OK FOR	STIRRUP	AND TIE I	100K	
BAR SIZE	BEND DIA. D	А	BAR SIZE	BEND DIA. D	90° HOOK	4 135° H
3	21/4"	6"	3	1½"	4"	4"
4	3"	8"	4	2"	4½"	41/
5	33/4"	10"	5	2½"	6"	51/2
6	4½"	12"	6	4½"	12"	8"
7	51/4"	14"	7	51/4"	14"	9"
8	6"	16"	8	6"	16"	10
9	9½"	19"				
10	103/4"	22"				
11	12"	24"				

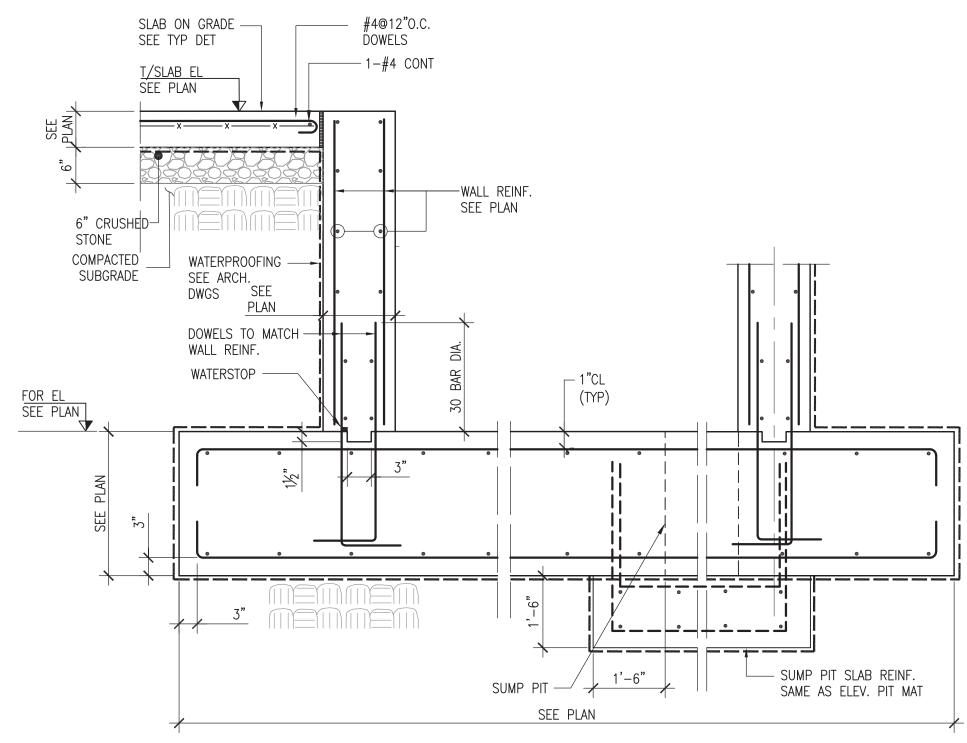
REBAR BENDING DETAILS



	MINIMUN	I LAP SPLICE	LENGTH	
		BAR IN CEN	ITER OF:	
BAR SIZE	6" CMU	8" CMU	10" CMU	12" CMU
#3	16"	16"	16"	16"
#4	21"	21"	21"	21"
#5	32"	26"	26"	26"
#6	61"	43"	40"	40"
#7	_	60"	46"	46"
#8	_	92"	71"	61"
#9	_	_	82"	74"

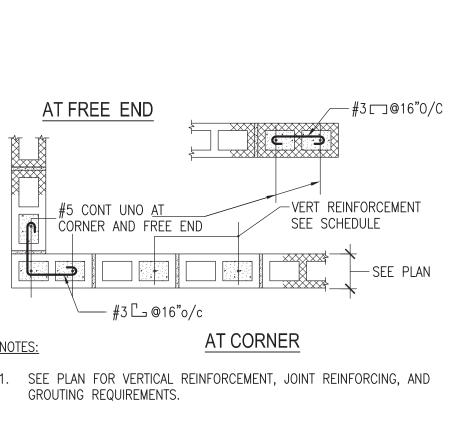
CMU REBAR SPLICE SCHEDULE

CMU WALL REBAR SPLICE DETAIL



### **ELEVATOR PIT ON GRADE TYPICAL DETAIL**

SEE PLAN FOR SIZE OF PIT AND LOCATION OF SUMP PIT. 2. COORDINATE ELEVATOR SILL.



1. SEE PLAN FOR VERTICAL REINFORCEMENT, JOINT REINFORCING, AND

TYP. CMU WALL REINF. DETAILS

DOB APPROVAL STAMP

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	A COLOR
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	OFESSIO.

<u>ALTERATION 1</u>

42 WEST 70 STREET

NEW YORK, NY 10023

FOUNDATION

TYPICAL DETAILS

ARCHITECT

STRUCTURE ENGINEER

GENERAL NOTES

DOCUMENTS.

PROJECT LOCATION

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FIT AND QUANTITY OF WORK. NO

CONSTRUCTION MEANS, METHODS,

NEGLECT ON HIS/HER PART.

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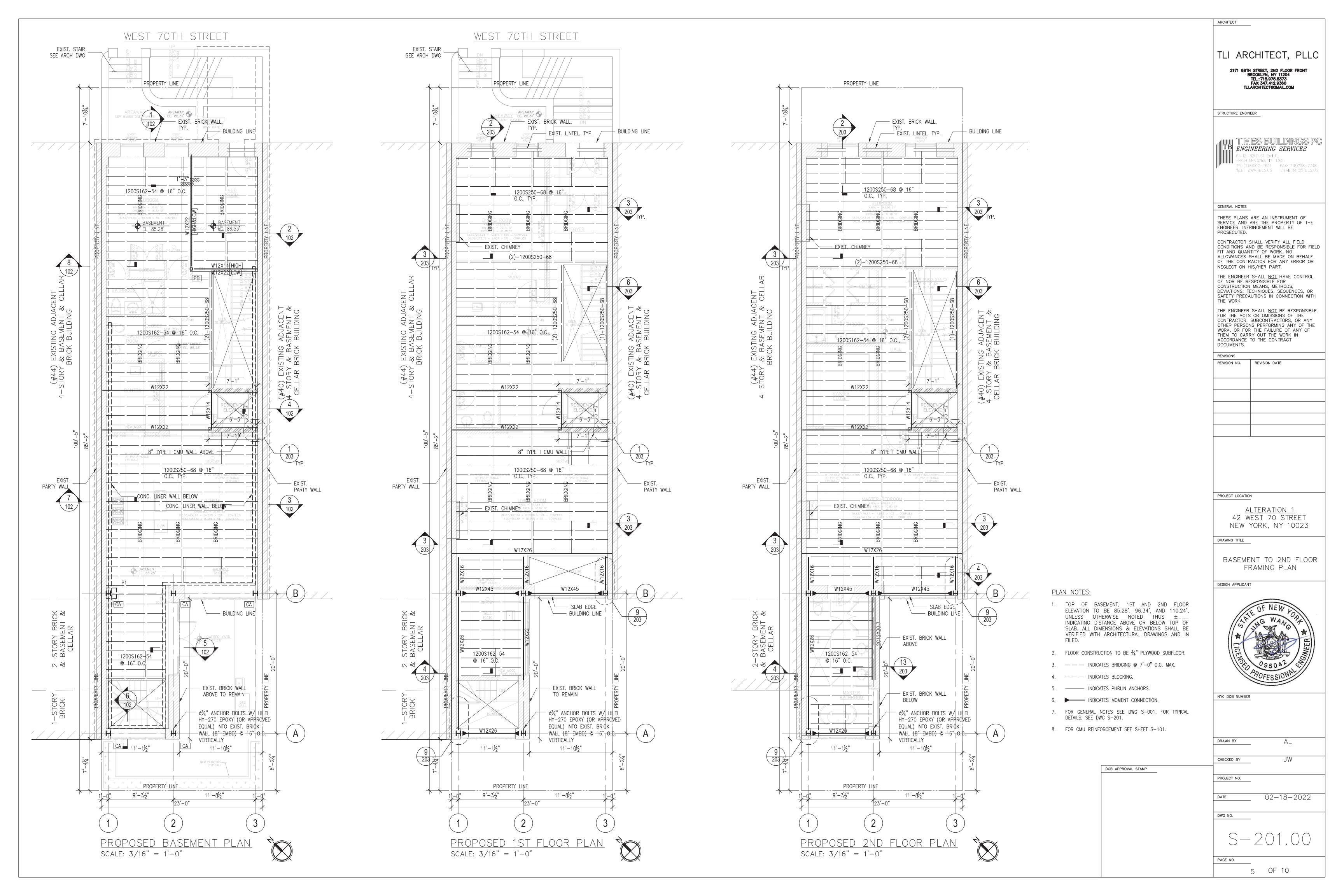
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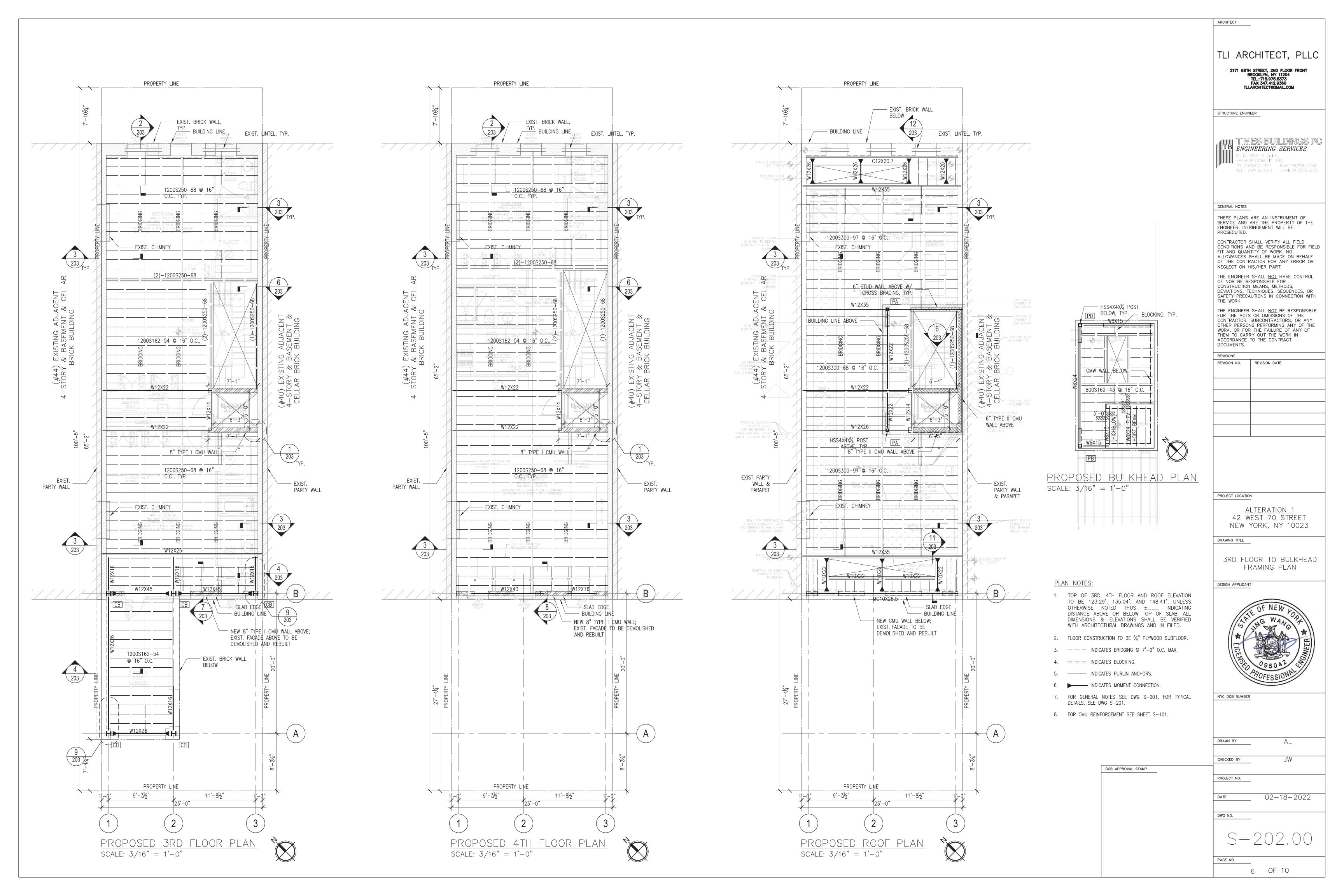
PROJECT NO.

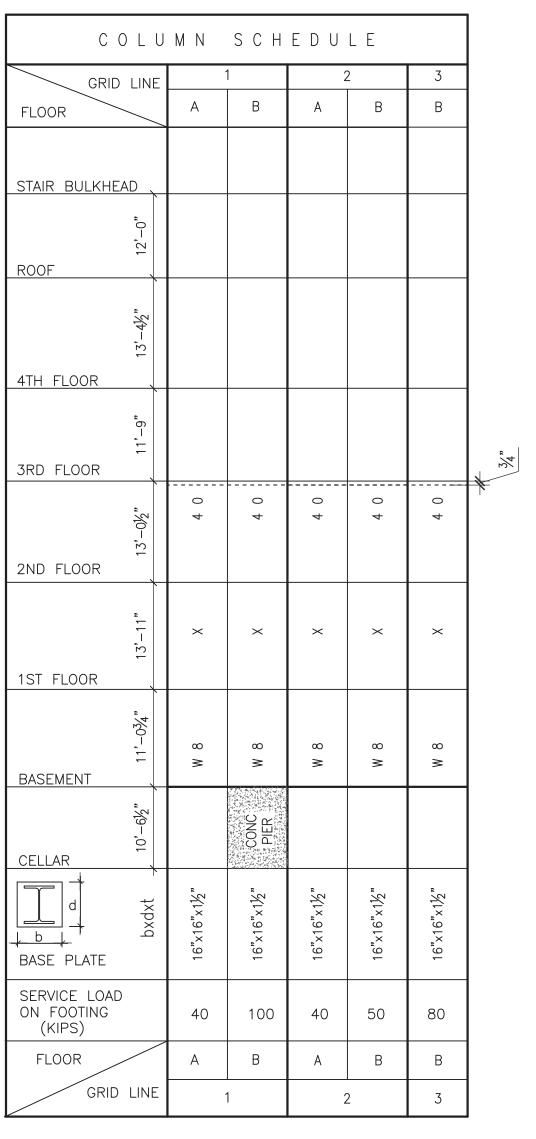
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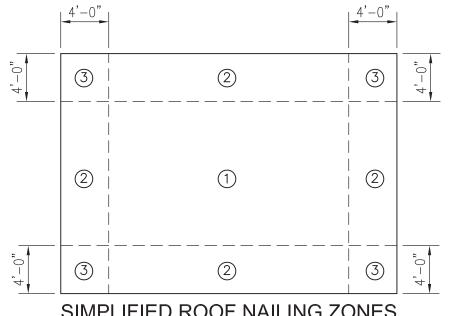
PAGE NO. 4 OF 10







- 1. FOR COLUMN ORIENTATION SEE PLAN.
- 2. BASE PLATE TO BE ASTM-A36. U.N.O.
- 3. COLUMN SPLICE LOCATION SHOWN THUS -----ON SCHEDULE.
- 4. TYPICAL ANCHOR BOLTS TO BE  $(4)-\emptyset$  3/4" F1554 GR36, EACH COLUMN, U.N.O.
- 5. SEE FDN PLAN FOR CONCRETE PIER REINFORCEMENT.

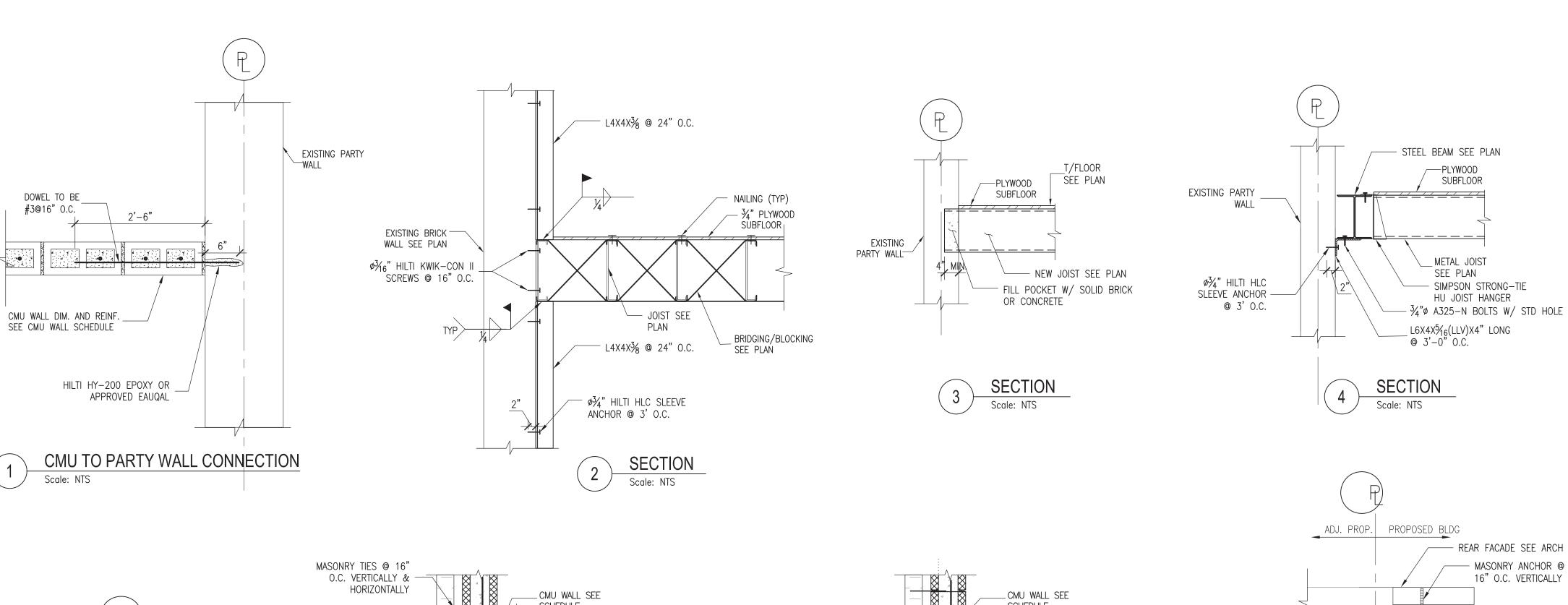


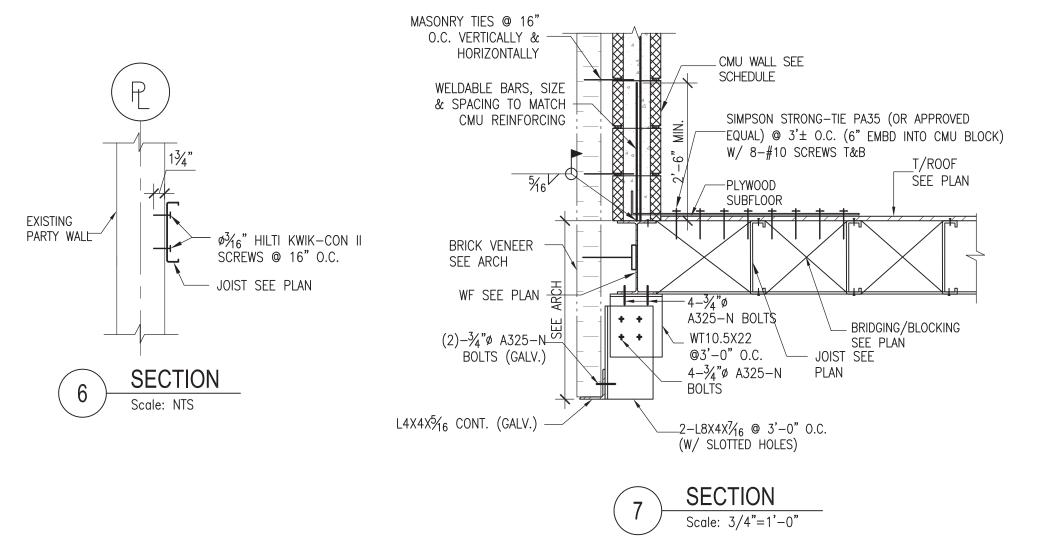
### SIMPLIFIED ROOF NAILING ZONES

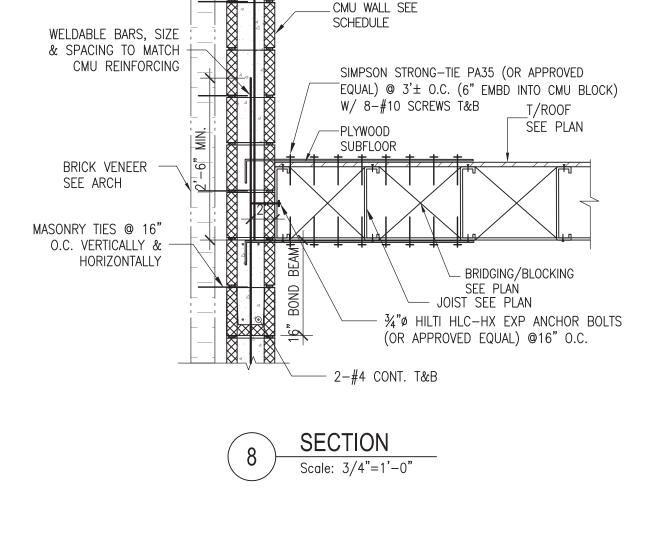
ROOF SH	HEATHING N	IAILING SCH	HEDULE
	ZONE 1	ZONE 2	ZONE 3
PANEL FIELD	6" O.C.	6" O.C.	3" O.C.
PANEL EDGE	6" O.C.	4" O.C.	3" O.C.

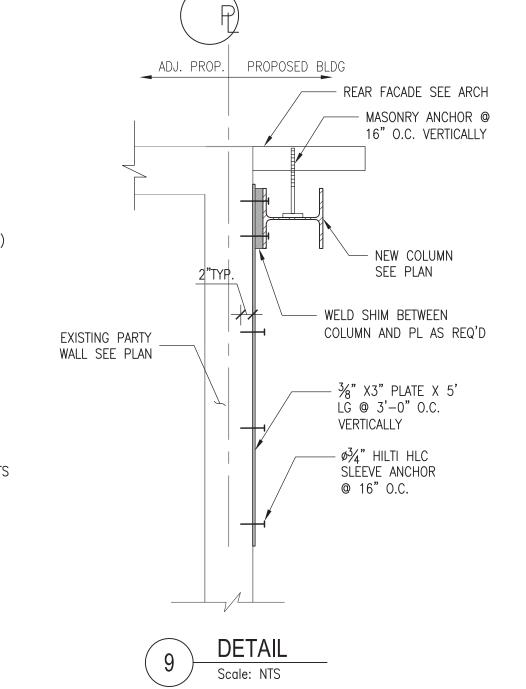
ALL ROOF SHEATHING TO BE SECURED WITH #8 SCREWS -PATTERN AS INDICATED ABOVE.

**ROOF NAILING SCHEDULE** Scale: NTS

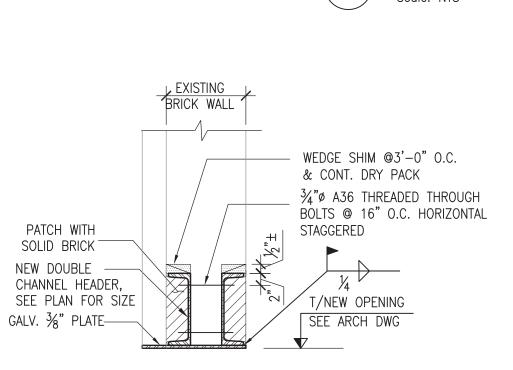








DOB APPROVAL STAMP



### LINTEL CONSTRUCTION SEQUENCE:

- 1. CUT SLOTS IN EXISTING WALL. INSTALL
- COLUMNS AT BOTH ENDS. 2. REMOVE 1/3 PORTION OF EXISTING BRICK AT
- LINTEL LOCATION AND INSTALL ONE CHANNEL 3. REMOVE 1/3 PORTION OF EXISTING BRICK AT
- OPPOSITE SIDE AND INSTALL OTHER CHANNEL
- 4. AFTER BOTH CHANNELS ARE INSTALLED, REMOVE THE EXISTING BRICK BELOW.

SECTION Scale: NTS

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STRUCTURE ENGINEER

ARCHITECT

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REVISIONS	
REVISION NO.	REVISION DATE

PROJECT LOCATION

ALTERATION 1 42 WEST 70 STREET NEW YORK, NY 10023

DRAWING TITLE

COLUMN SCHEDULE & FLOOR SECTIONS

DESIGN APPLICANT



NYC DOB NUMBER

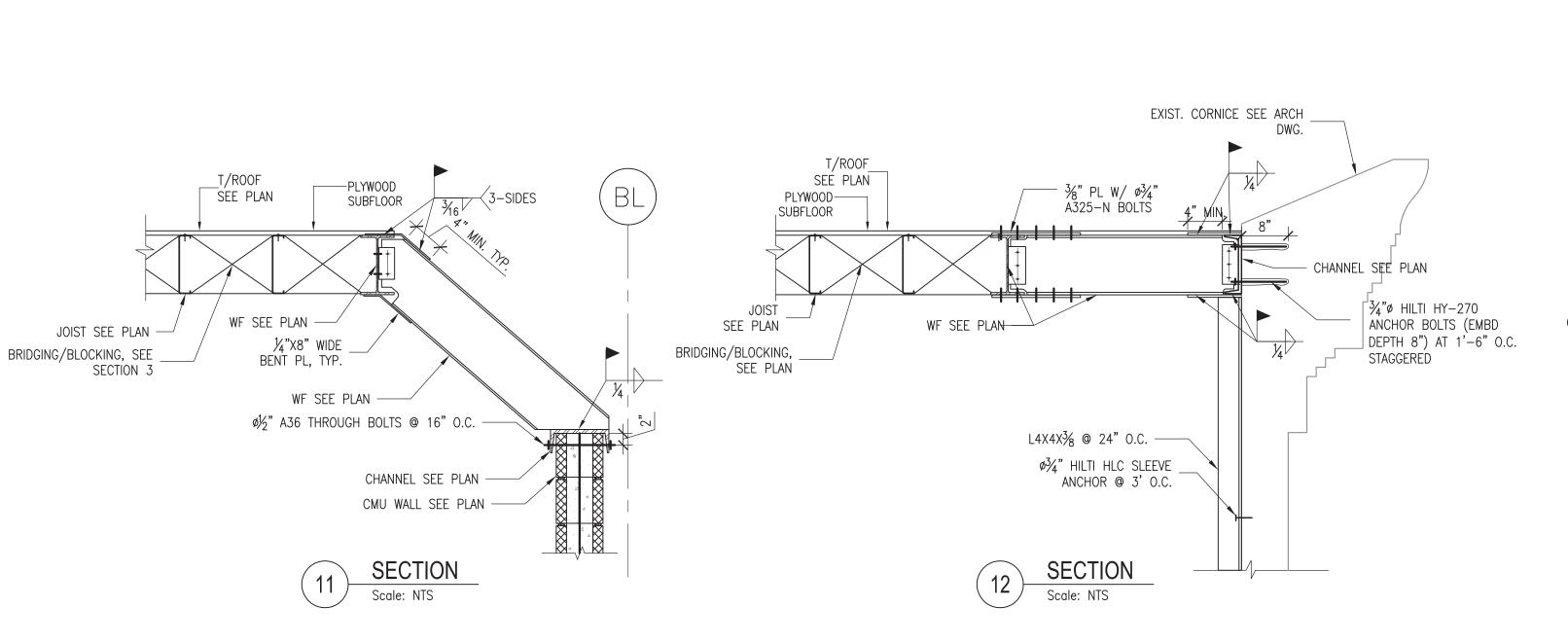
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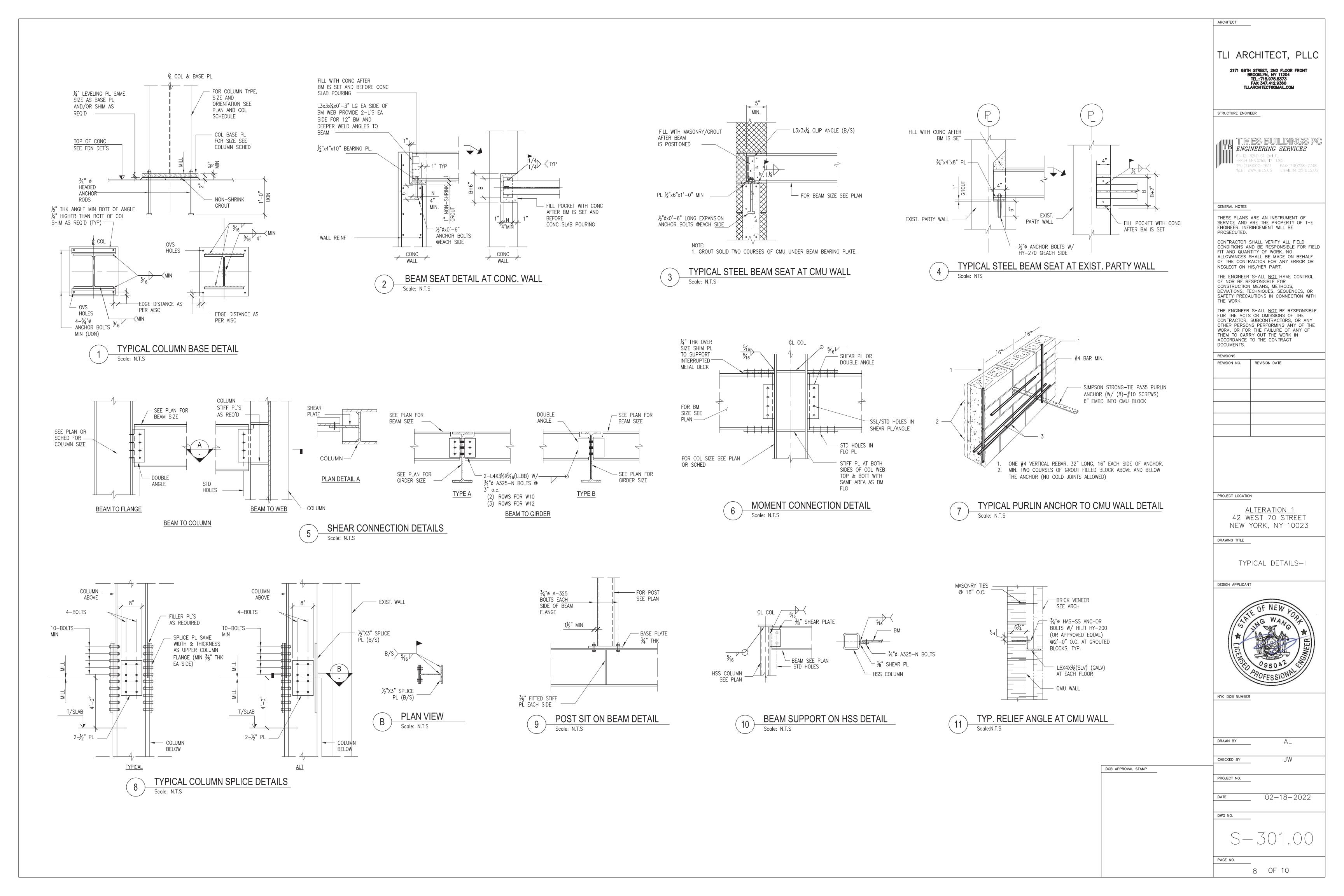
PROJECT NO.

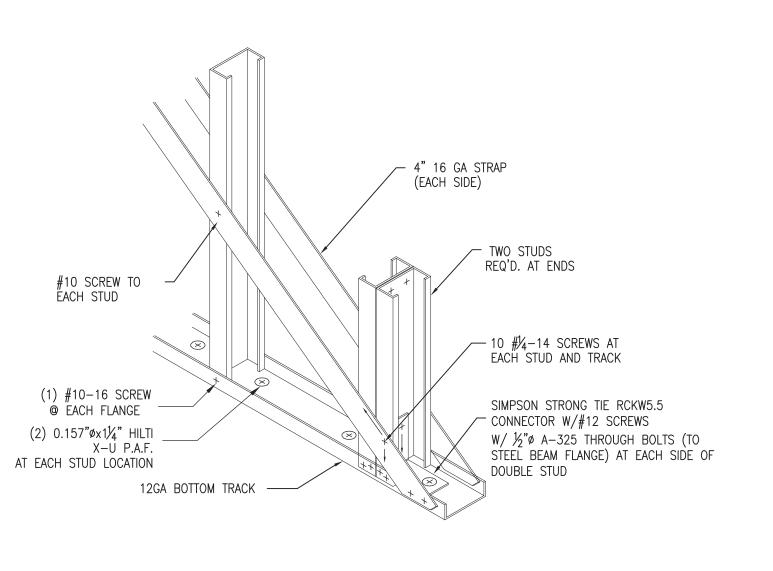
02-18-2022

DWG NO.

PAGE NO.







STUD WALL X BRACING DETAIL Scale: N.T.S

FLAT STRAP TOP AND BOTTOM. -COIL STRAP (1¼" WIDE 18 GA)

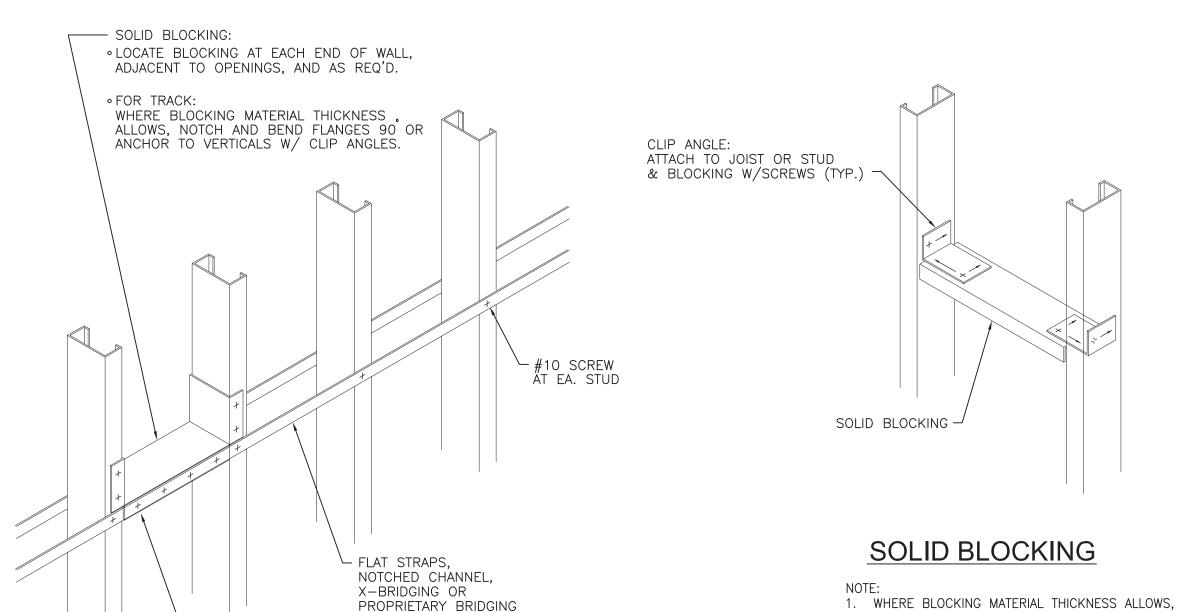
BRIDGING AND BLOCKING DETAIL

FLOOR JOISTS SEE PLAN -

\* LOCATE AT FIRST AND SECOND SPACES, EA. END, AND 10'-0" O.C. BETWEEN. ATTACH TO JOISTS THRU PRE-DRILLED HOLES.

-SCREW STRAP TO BLOCKING

W/SCREWS TOP AND BOTTOM.



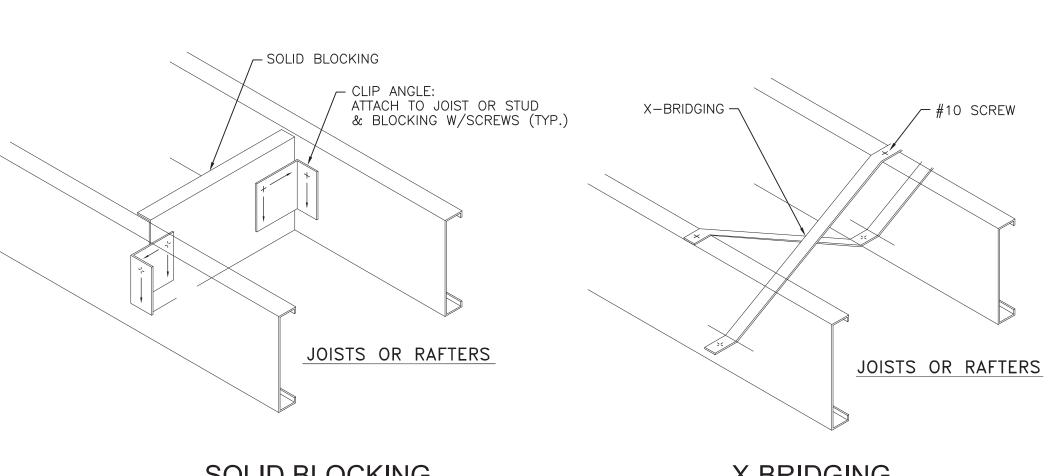
BRIDGING SHALL BE @4'-0'' O.C. VERTICALLY.
FIRST AND LAST ROW OF BRIDGING SHALL BE NO MORE THAN 1'-0" AWAY FROM FLOOR FRAMING.

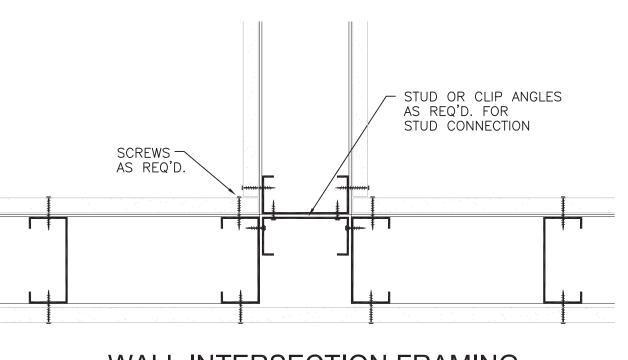
(EACH SIDE)

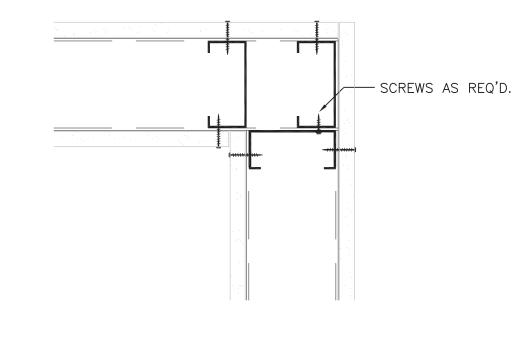
LAP SPLICE STRAPS MINIMUM 4".

WALL BRACING AND BRIDGING DETAIL Scale: N.T.S

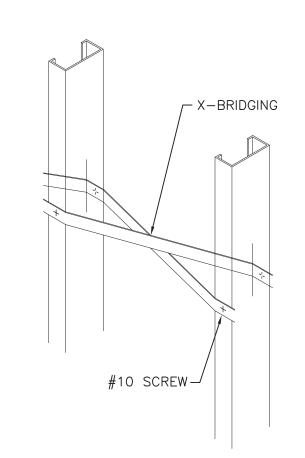
4-#10 SCREWS (EACH SIDE)





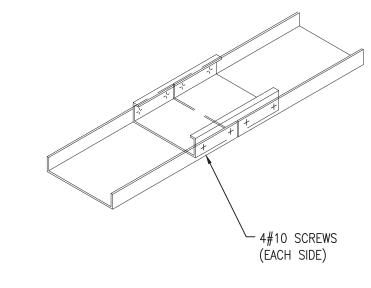


STUD WALL DETAILS AT INTERSECTION



X-BRIDGING

X-BRIDGING SHALL BE FLAT STRAP, NOTCHED CHANNEL OR PROPRIETARY SYSTEM.



TOP & BOTTOM TRACK SPLICE

 $_{34}$ " PLYWOOD SUBFLOOR

----JOIST SEE PLAN

DOB APPROVAL STAMP

\_#8X1%" SCREW W/ GRABBERGARD FINISH

TYP SLAB SUPPORTED BY LIGHT GAGE JOIST



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ARCHITECT

STRUCTURE ENGINEER

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REVISIONS	
REVISION NO.	REVISION DATE

PROJECT LOCATION

<u>ALTERATION 1</u> 42 WEST 70 STREET NEW YORK, NY 10023

DRAWING TITLE

TYPICAL DETAILS—II

DESIGN APPLICANT



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WALL INTERSECTION FRAMING

SOLID BLOCKING X-BRIDGING

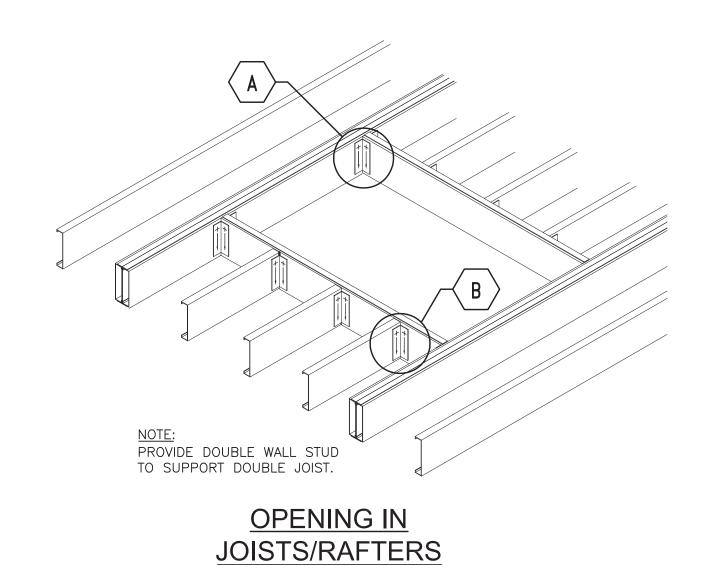
NOTCH AND BEND TRACK 90 FOR CONNECTION.

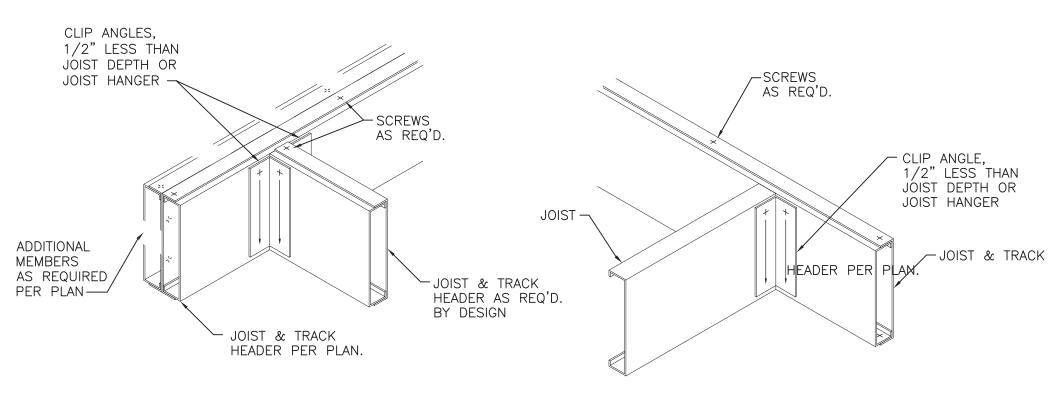
2. WHERE PROVISIONS ARE PROVIDED FOR TRANSFER

OF FLANGE FORCES TO SOLID BLOCKING, BLOCKING

NEED NOT BE THE FULL DEPTH OF THE MEMBER.

CORNER FRAMING

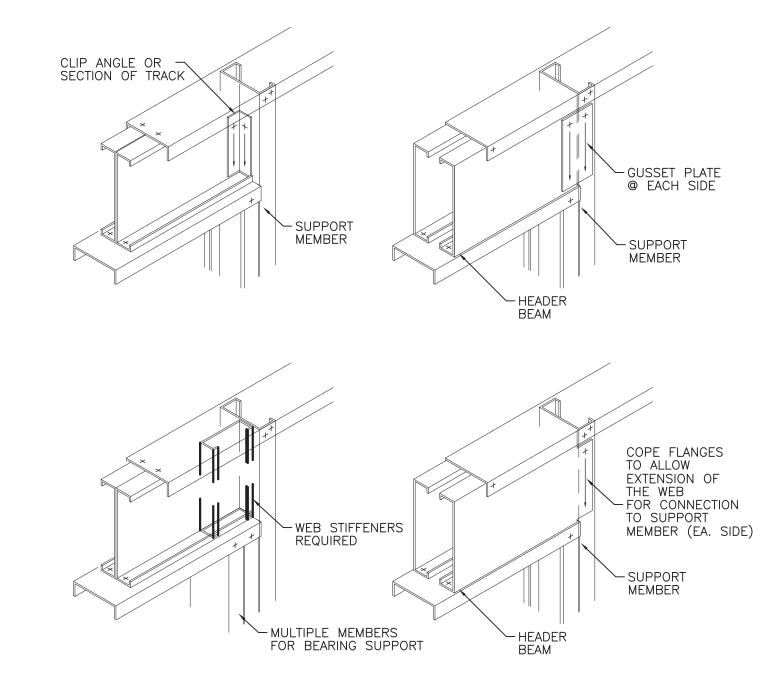




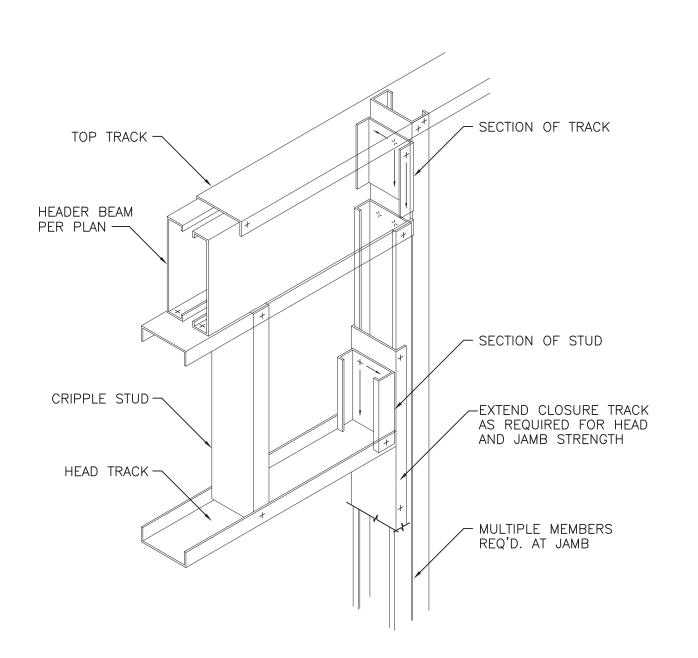
NOTE: SEE JOIST CONNECTION SCHEDULE ON S-302 FOR SCREW QUANTITY.

JOIST HEADER TO BUILT-UP JOISTS A

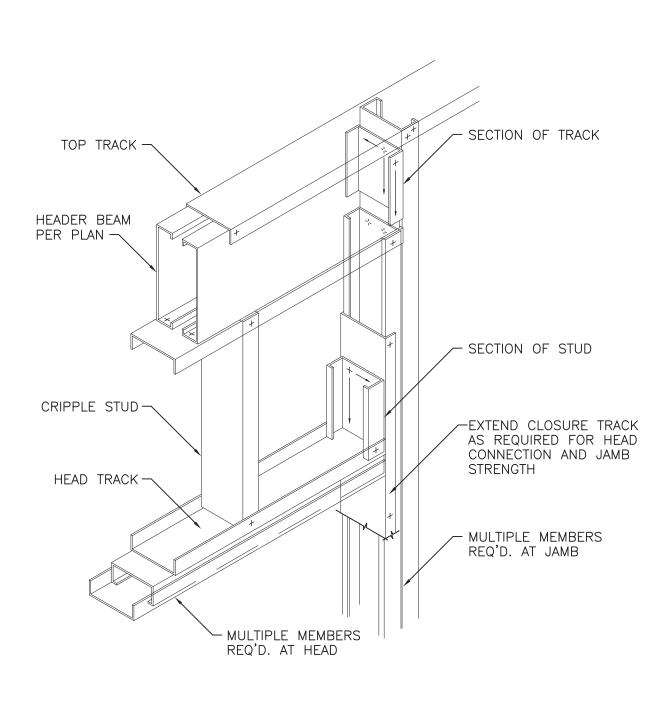
JOIST TO JOIST HEADER (B)



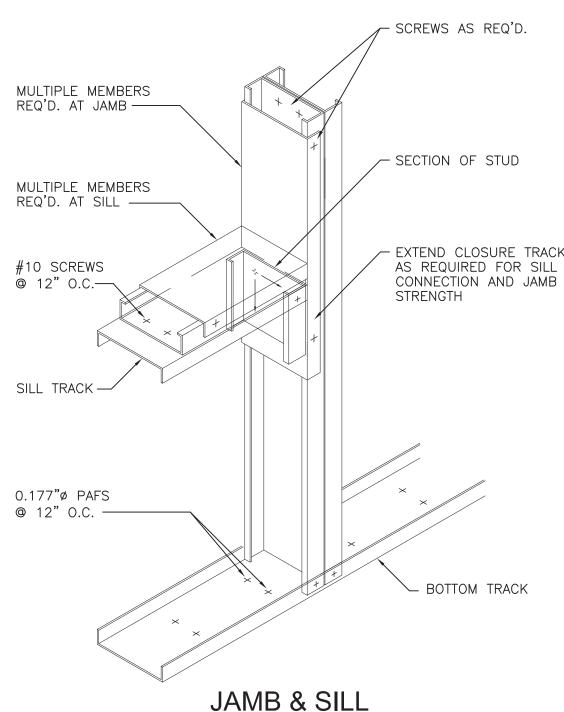
### ALTERNATE HEADER BEAM CONNECTIONS

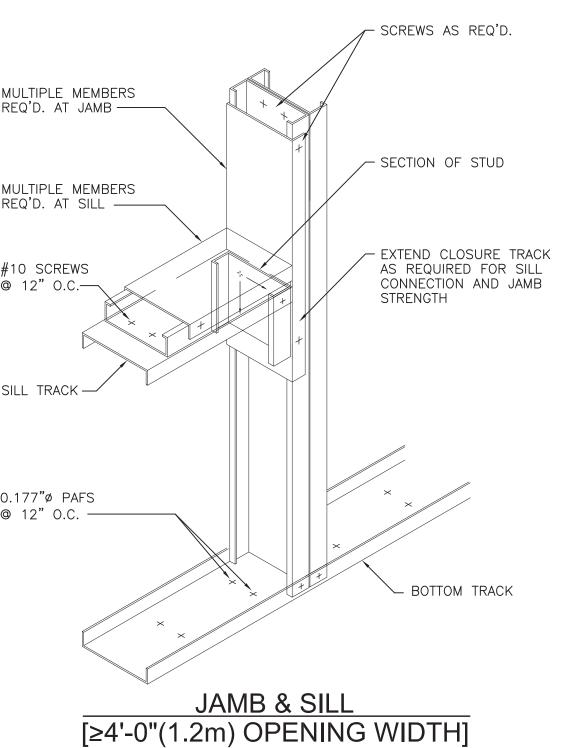






**AXIAL LOAD BEARING JAMB & HEAD** [≥4'-0"(1.2m) OPENING WIDTH]





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