

GENERAL NOTES:

- THE FOLLOWING NOTES SHALL APPLY THROUGHOUT. EXCEPTIONS ARE SPECIFICALLY NOTED ON EACH DRAWING.
1. ALL WORK OF THIS CONTRACT SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE 2014 NEW YORK CITY BUILDING CODE AND REGULATIONS OF OTHER AGENCIES HAVING JURISDICTION ON THE WORK OF THIS CONTRACT.
2. DRAWINGS ARE NOT BE SCALED. USE DIMENSIONS ONLY. ALL DIMENSIONS AND CONDITIONS SHOWN AND ASSUMED ON THE DRAWINGS MUST BE VERIFIED AT THE SITE BY THE CONTRACTOR BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK. ANY DISCREPANCIES IN THE DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO THE AUTHORITY. NO CHANGE IN DRAWINGS OR SPECIFICATIONS IS PERMISSIBLE WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT/ENGINEER. NO WORK SHALL PROCEED UNTIL SUCH DISCREPANCY HAS BEEN RECTIFIED.
3. ALL WORK ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK WHETHER STATED OR NOT EXCEPT WHERE SPECIFICALLY NOTED AS "EXISTING TO REMAIN".
4. COORDINATION OF ALL WORK UNDER THIS CONTRACT SHALL BE MAINTAINED TO ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK/PROJECT.
5. THE CONTRACTOR SHALL DISCONNECT AND/OR REMOVE ANY EXISTING PLUMBING, ELECTRICAL FIXTURES, WIRE CONDUITS, OR OTHER WORK WHICH MIGHT INTERFERE WITH THE WORK OF THIS CONTRACT. AFTER NEW WORK IS COMPLETED, THE DISCONNECTED OR REMOVED ITEMS SHALL BE REINSTALLED BY THE CONTRACTOR AT THE SAME LOCATION OR AT NEW LOCATION AS DIRECTED. FURNISH ALL NECESSARY NEW MATERIALS/HARDWARE FOR COMPLETION OF WORK.
6. THE CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED OR EXPOSED SURFACES DUE TO CONTRACT WORK. ALL NEWLY INSTALLED, PATCHED WORK AND ALL AFFECTED AREAS SHALL BE PAINTED. ALL PAINTING WORK SHALL BE PERFORMED TO COVER THE ENTIRE HORIZONTAL OR VERTICAL SURFACE TO THE CLOSEST CORNER IN ALL FOUR DIRECTIONS. COLOR TO MATCH EXISTING CONDITIONS.
7. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW MATERIALS AT NO ADDITIONAL COST TO THE AUTHORITY FOR THE FOLLOWING CONDITIONS:  
a) ANY EXISTING WORK THAT HAS BEEN REMOVED OR DAMAGED IN ORDER TO PERFORM THE CONTRACT WORK.  
b) TO FURNISH THE WORK OF THIS CONTRACT IN WORKMANLIKE MANNER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTIONS AND OFF ALIGNMENTS ACCORDING TO CODES AND STANDARDS OF GOOD PRACTICE.
9. THE CONTRACTOR SHALL INCLUDE ALL PREPATORY AND ASSOCIATED SUPPLEMENTARY WORK TO PROVIDE A COMPLETE AND FINISHED INSTALLATION.
10. WHERE MANUFACTURER'S NAMES AND PRODUCT NUMBERS ARE INDICATED ON DRAWINGS, IT SHALL BE CONSTRUED TO MEAN THE ESTABLISHMENT OF QUALITY AND PERFORMANCE STANDARDS OF SUCH ITEMS. ALL OTHER PRODUCTS MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL BEFORE THEY SHALL BE DEEMED EQUAL.
11. FIRESTOPPING SHALL BE INSTALLED AT ALL PENETRATIONS OF FIRE RATED CONSTRUCTION AS PER SPECIFICATIONS.
12. SIZE OF MASONRY UNITS AND WOOD MEMBERS ON PLANS, BUILDING ELEVATIONS AND SECTIONS ARE SHOWN AS NOMINAL SIZE.
13. DIMENSIONS ON PLANS ARE INDICATED FROM SURFACE TO SURFACE BETWEEN WALLS, PARTITIONS AND OTHER ITEMS EXCLUSIVE OF FINISHES.
14. PROVIDE GUARDS, RAILS, BARRICADES, FENCES, SIDEWALK SHEDS, CATCH PLATFORMS, DECKING, NIGHT LIGHTING, ETC., AS REQUIRED BY THE 2014 NEW YORK CITY BUILDING CODE, SECTION 3307.3 AND AS REQUIRED TO PROVIDE ADEQUATE PROTECTION. ALSO, COMPLY WITH SECTION S01500, S011535 AND S01900 OF THE SPECIFICATION.
15. THE CONTRACTOR SHALL KEEP WORK SITE FREE FROM DEBRIS AND ACCUMULATED REFUSE, AND SHALL HAVE SOLE RESPONSIBILITY FOR PROTECTING ALL DANGEROUS AREAS FROM ENTRY BY UNAUTHORIZED PARTIES. SITE SHALL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.
16. THE CONTRACTOR SHALL MAINTAIN FREE AND UNOBSTRUCTED ACCESS FROM ALL ADJACENT SPACES INTO THE EXISTING FIRE STAIRS TO OUTSIDE OF THE BUILDING AT ALL TIMES.
17. WHERE INDICATED OR REQUIRED TO PERFORM THE WORK, PACK, PROTECT AND RELOCATE BOOKS, MATERIALS, FURNITURE, CABINETS, ETC. TO DESIGNATED LOCATIONS WITHIN THE BUILDING AND RETURN ITEMS UPON COMPLETION OF WORK OR WHEN DIRECTED BY THE AUTHORITY.
18. THE CONTRACTOR SHALL, UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, SECURE AND PAY FOR REQUIRED INSPECTIONS, PERMIT(S), FEES, LICENSE AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.
19. THERE WILL BE NO CHANGE IN USE, EGRESS OR OCCUPANCY BECAUSE OF THE WORK UNDER THIS APPLICATION.
20. ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS PROJECT MAY BE FOUND THROUGHOUT THE CONTRACT DOCUMENTS.
21. CONTRACTOR TO ERECT CODE COMPLIANT SIDEWALK SHED ON ADJOINING NYCHA PROPERTY AT WEST SIDE OF BUILDING'S WEST WALL. SIDEWALK SHED SHALL HAVE CODE COMPLIANT LIGHTING.
- CONTRACTOR SHALL SECURE PERMISSION FROM NYCHA AND PROVIDE ALL PERMITS REQUIRED.
22. CONTRACTOR TO PROVIDE FULL HEIGHT PIPE SCAFFOLDING INSIDE THE NORTH ELEVATION STAIR RECESS TO ACCESS THE BRICK REPLACEMENT WORK AT THE NORTH BULKHEAD AS SHOWN ON DRAWINGS A085 AND A406. PIPE SCAFFOLD TO START AT SECOND FLOOR ROOF AND RUN TO TOP OF NORTH BULKHEAD. THE PIPE SCAFFOLD IS TO HAVE DEBRIS SAFETY NETTING. THE PIPE SCAFFOLD SHALL HAVE PLANKS AT ALL FLOOR LEVELS. PROVIDE STAIRS TO ACCESS PLANKS AT ALL LEVELS. NO OTHER TYPE OF SCAFFOLDING IS ACCEPTABLE. THE PIPE SCAFFOLD SHALL BE CONSTRUCTED PRIOR TO WORK ON THE NORTH BULKHEAD AND BE MAINTAINED UNTIL THE PROJECT IS SUBSTANTIALLY COMPLETE AND SIGNED BY THE ARCHITECT/ENGINEER OF RECORD. THE CONTRACTOR SHALL PROVIDE TEMPORARY LIMIT STOPS AT UPPER AND LOWER SAHES OF ALL WINDOWS, WHICH ARE ACCESSIBLE FROM THE SCAFFOLDING THE DAY BEFORE ERECTING THE PIPE SCAFFOLDING. THE TEMPORARY STOPS SHALL BE ELIMINATED AFTER THE PIPE SCAFFOLDING IS REMOVED. FILL AND SEAL AREAS OF REMOVED ANCHORS.
23. CONTRACTOR TO ERECT CODE COMPLIANT SIDEWALK SHED AT MAIN ENTRANCE ON MANGIN STREET. SIDEWALK SHED SHALL HAVE CODE COMPLIANT LIGHTING.
24. PROVIDE PROJECT INFORMATION SIGNAGE MEETING REQUIREMENTS OF SECTION BC 3301.9.
25. CONCRETE FOR SLABS, RAMPS & OTHER WORK TO BE NORMAL WEIGHT CONCRETE  $f_c=4000$  PSI WITH  $W/C=0.4$
26. ALL EQUIPMENT AND MATERIALS ARE TO BE STORED OUT OF EGRESS PATHS INCLUDING EGRESS ACCESS TO ROOF. ALL EQUIPMENT AND MATERIAL STORAGE ARE TO BE COORDINATED WITH SCHOOL, AND ARE NOT TO OBSTRUCT WITH SCHOOL FUNCTIONS OR FIRE SAFETY.

SPECIAL INSPECTIONS

SPECIAL INSPECTIONS REQUIRED IN ACCORDANCE WITH CHAPTER 17 AND THE APPLICABLE SECTIONS OF THE NYC CONSTRUCTION CODE ARE LISTED IN THE FOLLOWING TABLES:	
THE CONTRACTOR MUST NOTIFY THE ARCHITECT OR ENGINEER FOR SPECIAL INSPECTIONS AT LEAST 72 HOURS BEFORE THE SPECIFIC WORK COMMENCES.	
THE "AUTHORITY" SHALL BE RESPONSIBLE FOR THE FOLLOWING SPECIAL INSPECTIONS:	
MASONRY	1704.5
POST-INSTALLED ANCHORS (BB#2014-018, 2014-019)	1704.32

ABBREVIATIONS:

AB.	-	ABOVE	H	-	HUNG CEILING
ACt.	-	ACOUSTICAL TILE	HGT.	-	HEIGHT
A.D.	-	ACCESS DOOR	H.M.	-	HOLLOW METAL
ADJ.	-	ADJACENT	HORIZ.	-	HORIZONTAL
A.F.F.	-	ABOVE FINISHED FLOOR	H.P.	-	HIGH POINT
A.F.G.	-	ABOVE FINISHED GRADE	H.R.	-	HAND RAIL
ALUM.	-	ALUMINUM	HR.	-	HOUR
APP'D.	-	APPROVED			
ARCH.	-	ARCHITECT	I	-	INSIDE DIAMETER
AUD.	-	AUDITORIUM	I.D.	-	INTERIOR WIRE MESH GUARD
AVG.	-	AVERAGE	I.S.	-	INTERMEDIATE SCHOOL
Ø	-	AT	INSUL.	-	INSULATION
B	-	BOARD	J	-	JUNIOR HIGH SCHOOL
BD.	-	BUILDING	J.H.S.	-	
BLD'G	-	BEAM	KP.	-	KICKPLATE
BM.	-				
B.O.	-	BOTTOM OF	L	-	LEADER
B.O.C./B.C.	-	BOTTOM OF CURB	LAV.	-	LAVATORY
B.O.W./B.W.	-	BOTTOM OF WALL	LOCKER	-	LOCKER
BR.	-	BRONZE	L.P.	-	LOW POINT
B.S.	-	BRONZE SADDLE	L.S.	-	LIMESTONE
B.S.&A.	-	BOARD OF STANDARDS AND APPEALS	LT.	-	LIGHT
			L.W.	-	LIGHT WEIGHT
B.U.R.	-	BUILT UP ROOFING	L.W.C.	-	LIGHT WEIGHT CONCRETE
C	-				
CAB'T.	-	CABINET	M	-	METAL
C.B.	-	CATCH BASIN	M./MA./MTL.	-	MATERIAL
CAFÉ.	-	CAFETERIA	MAT.	-	MAXIMUM
CEMT.	-	CEMENT	MAX.	-	MECHANICAL
CL	-	CENTER LINE	MECH.	-	METAL FURRING
C.I.	-	CAST IRON	M.F.	-	MINIMUM
CLAD'G	-	CLADDING	M.O.	-	MASONRY OPENING
C.J.	-	CONTROL JOINT	M.S.	-	METAL STRIP
C.L./CLOS.	-	CLOSET			
CL'G/CEIL'G	-	CEILING	N	-	NORTH
COL.	-	COLUMN	N.D.	-	NOMINAL DIAMETER
CORR.	-	CORRIDOR	N.I.C.	-	NOT IN CONTRACT
CONT/CONTIN.	-	CONTINUOUS	NO./ #	-	NUMBER
CONC.	-	CONCRETE	NOM.	-	NOMINAL
CONV.	-	CONVECTOR	N.T.S.	-	NOT TO SCALE
C.R.	-	CLASSROOM			
C.T.	-	CERAMIC TILE			
D	-		O	-	
DB./DISP. BD.	-	DISPLAY BOARD	O.C.	-	ON CENTER
DBL.	-	DOUBLE	O.D.	-	OUTSIDE DIAMETER
D.C.	-	DUST CHUTE	OFF.	-	OFFICE
D.E.P.	-	DEPARTMENT OF ENVIRONMENTAL PROTECTION	OP'G./OPEN'G.	-	OPENING
DECON.	-	DECONTAMINATION UNIT	P	-	PARTITION
DEPT.	-	DEPARTMENT	PART.	-	PERFORATED
DFE	-	DESIGN FLOOD ELEVATION	PERF.	-	PLASTER
D.H.	-	DOUBLE HUNG	PL/PLAS.	-	PROPERTY LINE
DIA.	-	DIAMETER	PL/PROP. LINE	-	PAINT
DIM.	-	DIMENSION	PNT.	-	PRESSURE TREATED
DISP.	-	DISPENSER	P.T.	-	PAINTED CONCRETE
DN.	-	DOWN	PT. C.B.	-	BLOCK
D.O.S.	-	DEPARTMENT OF SANITATION	P.S.	-	PUBLIC SCHOOL
			PTD.	-	PAINTED
DR.	-	DOOR	±	-	PLUS OR MINUS
DTL./DET.	-	DETAIL			
DWG./DRAW'G	-	DRAWING	R	-	RADIUS
E	-	DEGREES	RAD.	-	RADIATOR
			R.C.P.	-	REFLECTED CEILING
E	-	EAST	PLAN	-	REFLECTED
E.J./EXP. JT.	-	EXPANSION JOINT	REFL.	-	REINFORCING
EL./ELEV.	-	ELEVATION	REINP.	-	REQUIRED/REQ'D
ELEC.	-	ELECTRIC	REV.	-	REVEAL
ENCL.	-	ENCLOSURE	RM.	-	ROOM
ENT.	-	ENTRANCE	R.O.	-	ROUGH OPENING
EQ.	-	EQUAL	RUB.	-	RUBBER
EQUIP.	-	EQUIPMENT			
ETC.	-	ETCETERA	S	-	SINK OR SOUTH
EXP.	-	EXPANSION	S.A.C.	-	SUSPENDED
EXIST./EXT'G/EXG	-	EXISTING	SADDLE	-	ACOUSTICAL CEILING
			SCHED.	-	SCHEDULE
F	-		SECT.	-	SECTION
F.	-	FIXED	SH./SHEL'V'G	-	SHELVING
F.C.	-	FURRED CEILING	SHT.	-	SHEET
F.D./FL.DR.	-	FLOOR DRAIN	SIM.	-	SIMILAR
FIN.	-	FINISH	SL.	-	SLEEVE
FIXT.	-	FIXTURE	SP.	-	START POINT/SPACE
FL./FLR.	-	FLOOR	SPEC.	-	SPECIFICATION
FLASH'G.	-	FLASHING	SO.FT./S.F.	-	SQUARE FEET
F.P.	-	FIREPROOFING	S.S./ST. STL.	-	STAINLESS STEEL
FR.	-	FRAME	STF.	-	STAFF
F.T.	-	FLUSH TREAD	STD.	-	STANDARD
F.V.S.	-	FLUSH VINYL SADDLE	STL.	-	STEEL
			ST.PL.	-	STEEL PLATE
G	-		STOR.	-	STORAGE
GA.	-	GAUGE	STRUCT./STRU./STRL.	-	STRUCTURAL
GALV.	-	GALVANIZED	STUD.	-	STUDENT
GB.	-	GLAZED BLOCK	SO.	-	SOLDER
G.C.	-	GENERAL CONTRACTOR	SUBST.	-	SUBSTRATE
G.I.	-	GALVANIZED IRON			
GL.	-	GLASS			
GR.	-	GRILLE			
GYP. BD./GWB.	-	GYPSUM BOARD			

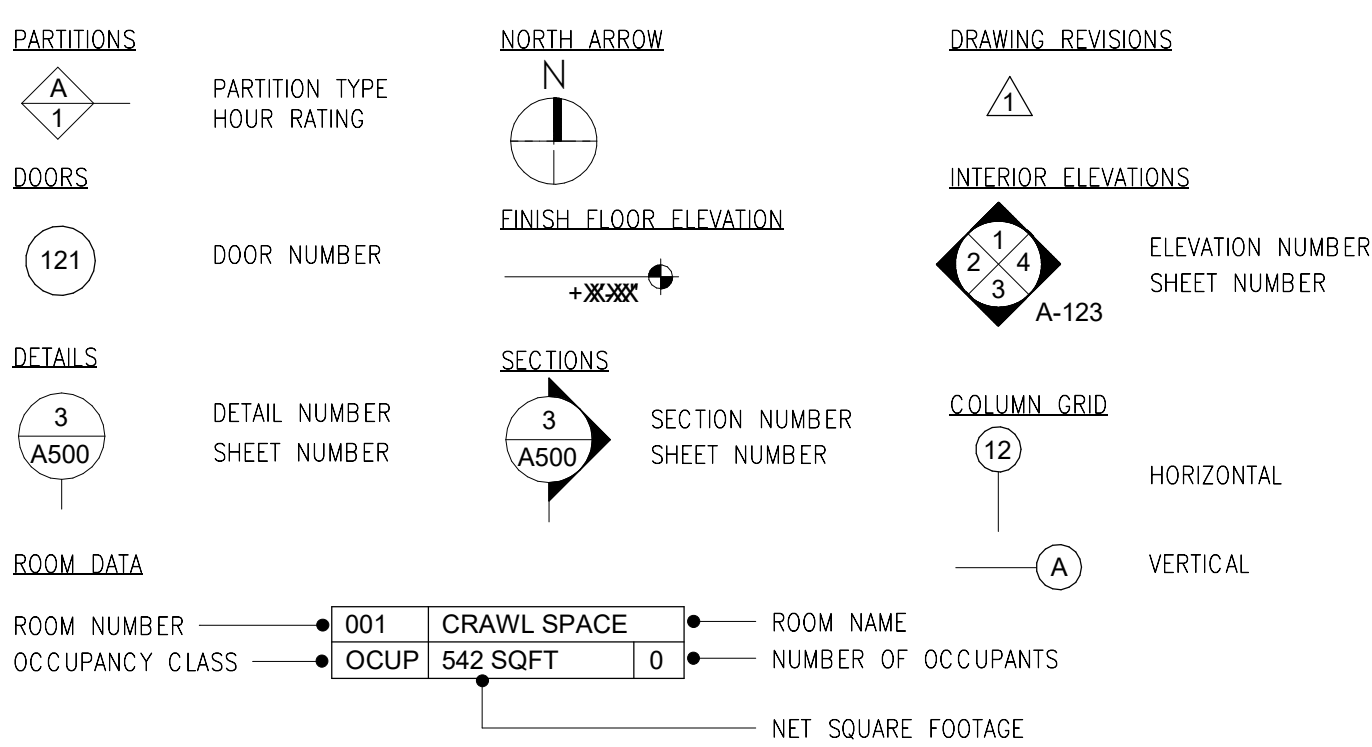
ABBREVIATIONS (cont):

T	-	TOILET	V	-	VINYL
T.	-	TOP AND BOTTOM	V./VIN.	-	VINYL COMPOSITION TILE
T&B	-	TOP OF COPING	V.C.T.	-	VENTILATOR
T.C./T.O.C.	-	TELEPHONE	VENT.	-	VERTICAL
TEL.	-	THICKNESS	VERT.	-	VESTIBULE
TH.	-	THERMOPLASTIC	V.E.T.	-	VERIFY IN FIELD
T.H.W.N.	-	POLYVINYL CHLORIDE INSULATION WITH NYLON JACKET			
		TEACHER'S LOCKER	W	-	WEST
T.L.	-	TOP OF SLAB	W.	-	WITH
T.O.S.	-	TREAD	WARD	-	WARDROBE
TR	-	TOP OF WALL	WAINS.	-	WAINSCOT
T.W./T.O.W.	-	TYPICAL	W.C.	-	WATER CLOSET
TYP.	-		WD.	-	WOOD
			W.H.	-	WEEP HOLE
U	-	UNFINISHED	W.I.	-	WROUGHT IRON
U.O.N.	-	UNLESS OTHERWISE NOTED	W.P.	-	WATERPROOFING
			WT.	-	WEIGHT

DRAFTING SYMBOLS:

	BRICK		CERAMIC TILE AND GLAZED BLOCK
	CONCRETE BLOCK		STEEL
	STONE CONCRETE		PLASTER
	EARTH		CAULKING
	WOOD BLOCKING		EXISTING TO BE REMOVED

REFERENCE SYMBOLS:



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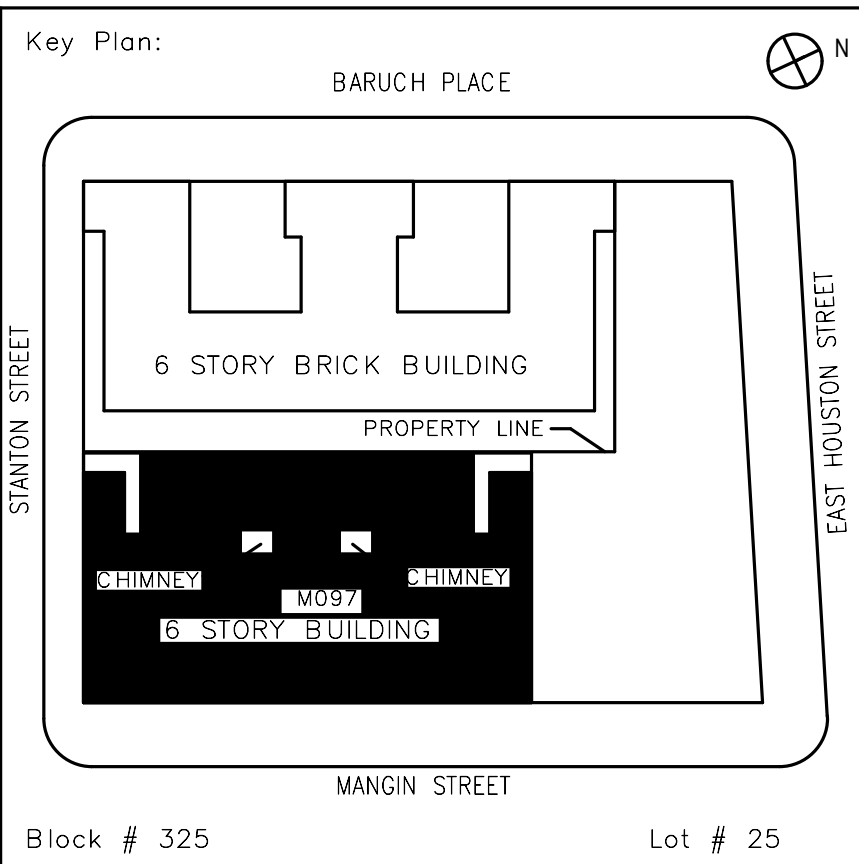
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NOTE: Drawing may be printed at reduced scale

IT IS A VIOLATION OF THE STATE EDUCATION LAW SECTION 7209 (2) FOR ANY PERSON TO ALTER AN ITEM IN ANY WAY UNLESS SUCH PERSON IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, AND THE ENGINEER STAMPS SUCH CHANGES

-	05/09/2023	ISSUED FOR BID
No.	Date	Revision



SCA Design Manager:	NASER HAMOUEDEH, P.E.	
Project Architect/Engineer:	JEFFREY RABINER, PE	
Discipline Lead:	JOHN HIGGINS, PE	
Designer:	GREGORY HERMAN	
Drawn by:	G. HERMAN / M. VARONA	
Checked by:	JOHN HIGGINS, PE	
Design No or LLW No.	Building ID:	Date:
D019998	M097	05/09/2023

Project:  
**BARD COLLEGE HS, MANHATTAN WASTE SYSTEM**

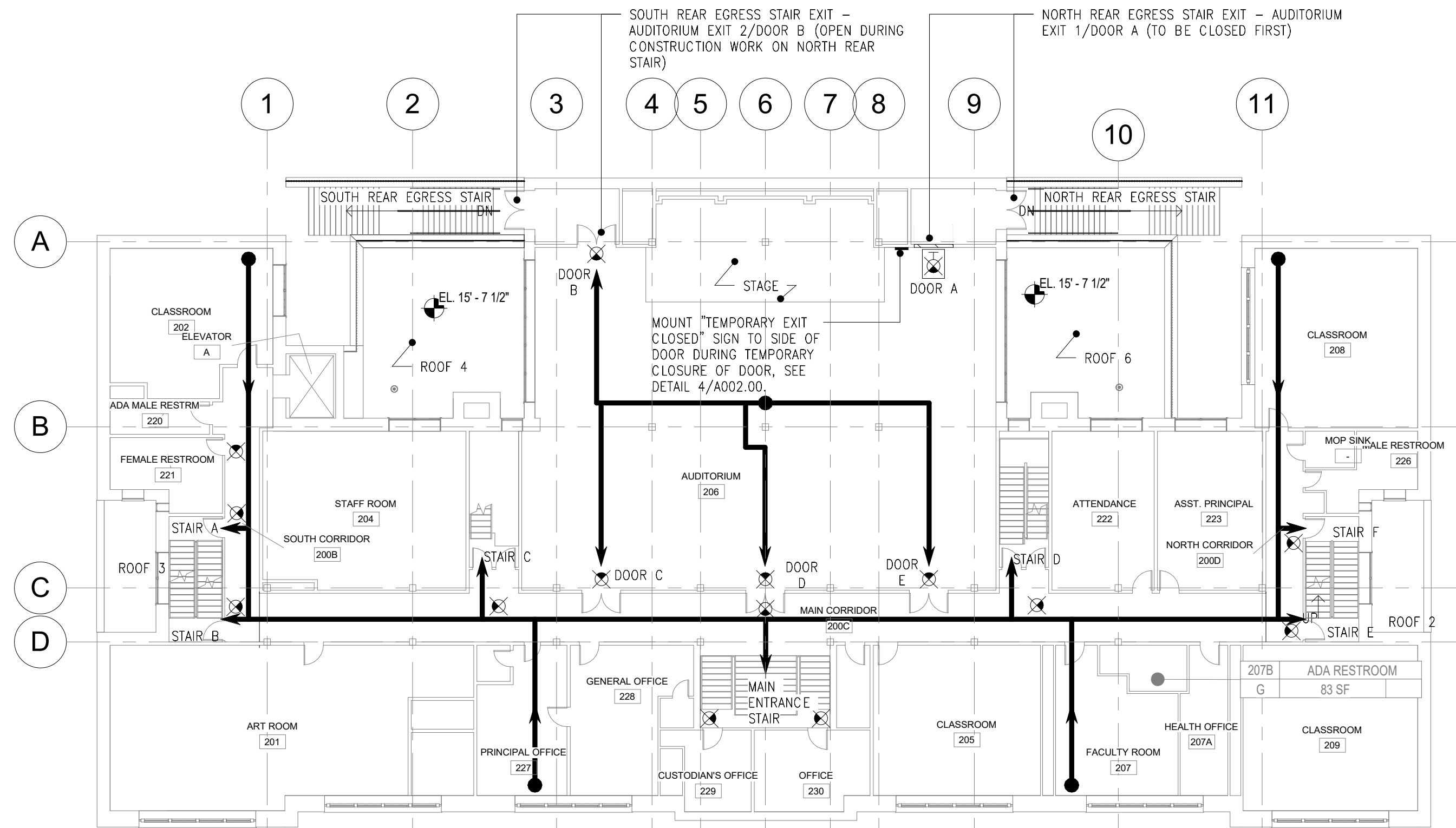
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NEW YORK, NY 10002

Drawing Title:  
**GENERAL NOTES - ARCHITECTURAL**

DOB NOW Job #M00660122-S1	
Drawing No.:	<b>A001.00</b>
Sheets in Contract Set:	8 of 42
Sheets in DOB Set:	5 of 37

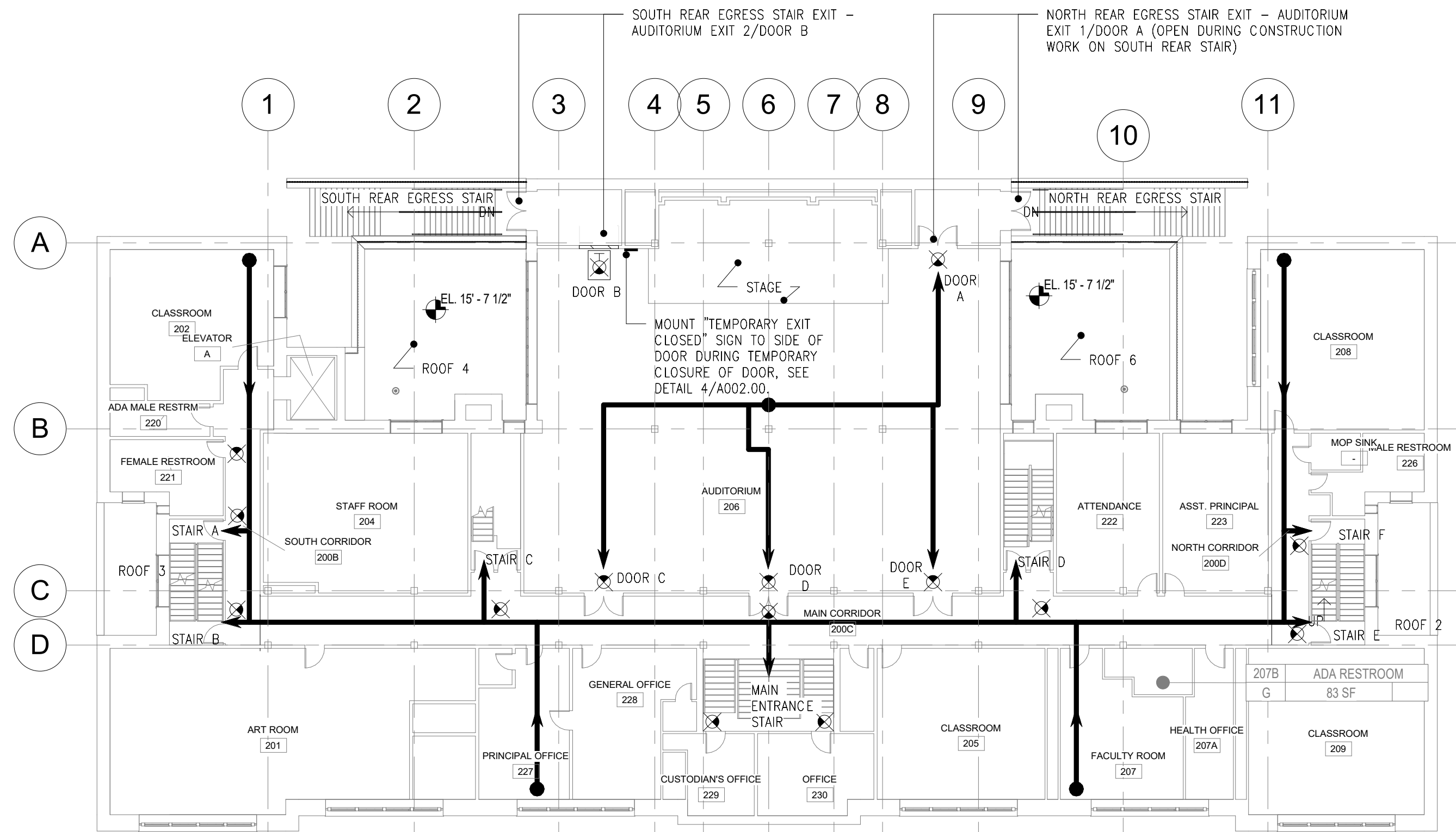
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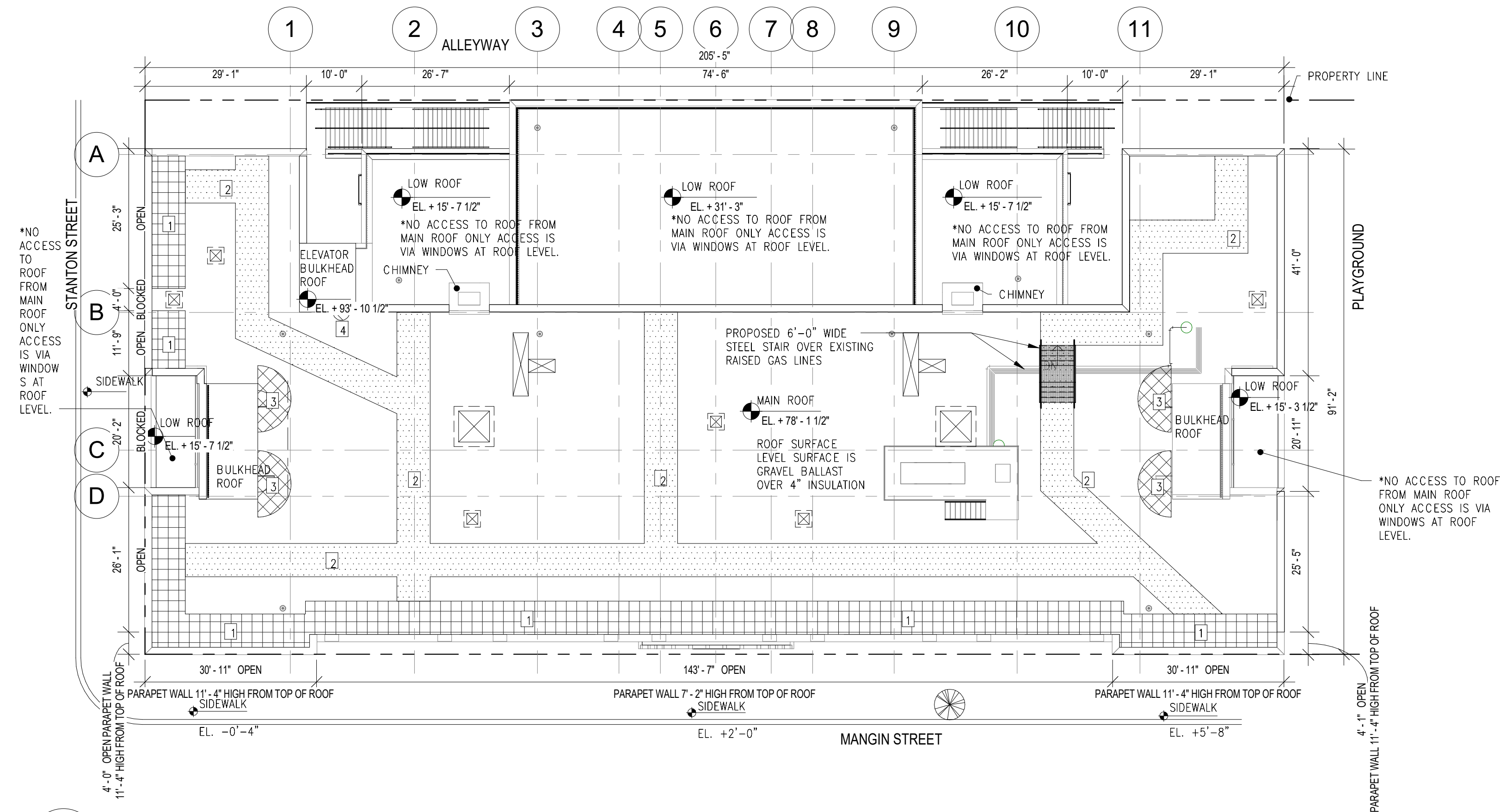
**1 TEMPORARY EGRESS PLAN - 2ND FLOOR NORTH REAR STAIR CLOSED**

A002 SCALE: 1/16" = 1'-0"



**2 TEMPORARY EGRESS PLAN - 2ND FLOOR SOUTH REAR STAIR CLOSED**

A002 SCALE: 1/16" = 1'-0"



**3 ROOF PLAN - PROPOSED FDNY ACCESS**

A002 SCALE: 1/16" = 1'-0"

**ACCESS PLAN & EGRESS PLAN LEGEND**

- |  |                               |  |  |  |   |  |   |
|--|-------------------------------|--|--|--|---|--|---|
|  | UNOBSTRUCTED PERIMETER ACCESS |  | 6' RADIUS ROOFTOP DOOR OPENING CLEARANCE |  | EXHAUST FAN, TYP.   |  | EXIT SIGN TO BE MASKED/COVERED DURING CONSTRUCTION IF ASSOCIATED EXIT IS CLOSED |
|  | 6' WIDE CLEAR PATH            |  | 3' RADIUS ROOFTOP LADDER CLEARANCE       |  | ROOF DRAIN, TYP. ALL COVERS ARE LESS THAN 1" ABOVE ROOF LEVEL |  | EXISTING EXIT SIGN  |

CALCULATED OCCUPANT LOAD  
TABLE 1004.1.2 MAXIMUM FLOOR AREA  
ALLOWANCES PER OCCUPANT:  
AUDITORIUM = 7 NET PER OCCUPANT  
CLASSROOMS = 20 NET PER OCCUPANT

AUDITORIUM: 410 OCCUPANTS  
CLASSROOMS: 185 OCCUPANTS

TOTAL OCCUPANT LOAD: 410+185= 595  
OCCUPANTS

CALCULATED STAIR CAPACITY - WHEN NORTH STAIR/DOOR A IS CLOSED

- MAIN ENTRANCE STAIR - 116'/0.3 = 386 OCCUPANTS
- STAIR A - 48'/0.3 = 160 OCCUPANTS
- STAIR B - 48'/0.3 = 160 OCCUPANTS
- STAIR C - 48'/0.3 = 160 OCCUPANTS
- STAIR D - 48'/0.3 = 160 OCCUPANTS
- STAIR E - 48'/0.3 = 160 OCCUPANTS
- STAIR F - 48'/0.3 = 160 OCCUPANTS
- AUDITORIUM EXIT 1/DOOR A - CLOSED
- AUDITORIUM EXIT 2/DOOR B - 90'/0.3 = 300 OCCUPANTS

TOTAL STAIR CAPACITY = 1646 OCCUPANTS

CALCULATED STAIR DOOR CAPACITY

- STAIR A DOOR - 36'/0.2 = 180 OCCUPANTS
- STAIR B DOOR - 36'/0.2 = 180 OCCUPANTS
- STAIR C DOOR - 72'/0.2 = 360 OCCUPANTS
- STAIR D DOOR - 72'/0.2 = 360 OCCUPANTS
- STAIR E DOOR - 36'/0.2 = 180 OCCUPANTS
- STAIR F DOOR - 36'/0.2 = 180 OCCUPANTS
- AUDITORIUM EXIT 1/DOOR A - CLOSED
- AUDITORIUM EXIT 2/DOOR B - 72'/0.2 = 360 OCCUPANTS

TOTAL STAIR DOOR CAPACITY = 1800 OCCUPANTS

THEREFORE, WHEN EXIT #1 (NORTH STAIR/DOOR A) IS CLOSED DURING CONSTRUCTION WORK, THE STAIR DOOR AND STAIR CAPACITY IS SUFFICIENT TO ACCOUNT FOR ALL OCCUPANTS. ALSO, WHEN EXIT #1 IS CLOSED, THERE ARE STILL 2 MEANS OF EGRESS FROM THE AUDITORIUM.

WHEN NORTH STAIR/DOOR A IS CLOSED, THE AUDITORIUM CAPACITY = 410 OCCUPANTS

**NOTE:**

**DURING CONSTRUCTION, ONLY 1 DOOR/STAIR IS TO BE CLOSED AT ANY TIME.**

CALCULATED STAIR CAPACITY - WHEN SOUTH STAIR/DOOR B IS CLOSED

- MAIN ENTRANCE STAIR - 116'/0.3 = 386 OCCUPANTS
- STAIR A - 48'/0.3 = 160 OCCUPANTS
- STAIR B - 48'/0.3 = 160 OCCUPANTS
- STAIR C - 48'/0.3 = 160 OCCUPANTS
- STAIR D - 48'/0.3 = 160 OCCUPANTS
- STAIR E - 48'/0.3 = 160 OCCUPANTS
- STAIR F - 48'/0.3 = 160 OCCUPANTS
- AUDITORIUM EXIT 1/DOOR A - 90'/0.3 = 300 OCCUPANTS
- AUDITORIUM EXIT 2/DOOR B - CLOSED

TOTAL STAIR CAPACITY = 1946 OCCUPANTS

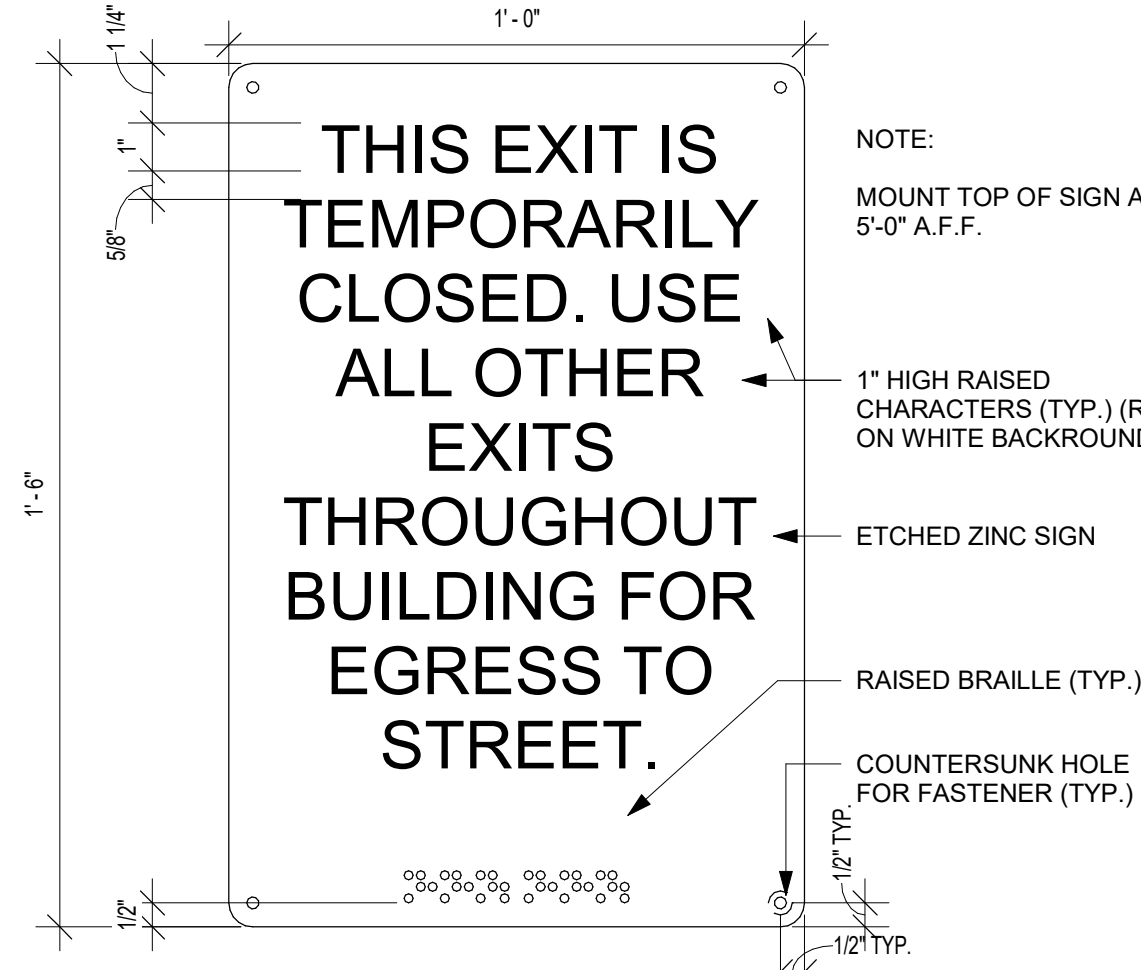
CALCULATED STAIR DOOR CAPACITY

- STAIR A DOOR - 36'/0.2 = 180 OCCUPANTS
- STAIR B DOOR - 36'/0.2 = 180 OCCUPANTS
- STAIR C DOOR - 72'/0.2 = 360 OCCUPANTS
- STAIR D DOOR - 72'/0.2 = 360 OCCUPANTS
- STAIR E DOOR - 36'/0.2 = 180 OCCUPANTS
- STAIR F DOOR - 36'/0.2 = 180 OCCUPANTS
- AUDITORIUM EXIT 1/DOOR A - 72'/0.2 = 360 OCCUPANTS
- AUDITORIUM EXIT 2/DOOR B - CLOSED

TOTAL STAIR DOOR CAPACITY = 1800 OCCUPANTS

THEREFORE, WHEN EXIT #2 (NORTH STAIR/DOOR B) IS CLOSED DURING CONSTRUCTION WORK, THE STAIR DOOR AND STAIR CAPACITY IS SUFFICIENT TO ACCOUNT FOR ALL OCCUPANTS. ALSO, WHEN EXIT #2 IS CLOSED, THERE ARE STILL 2 MEANS OF EGRESS FROM THE AUDITORIUM.

WHEN SOUTH STAIR/DOOR B IS CLOSED, THE AUDITORIUM CAPACITY = 410 OCCUPANTS



**4 TEMPORARY EXIT CLOSED SIGN**

A002 SCALE: 3" = 1'-0"

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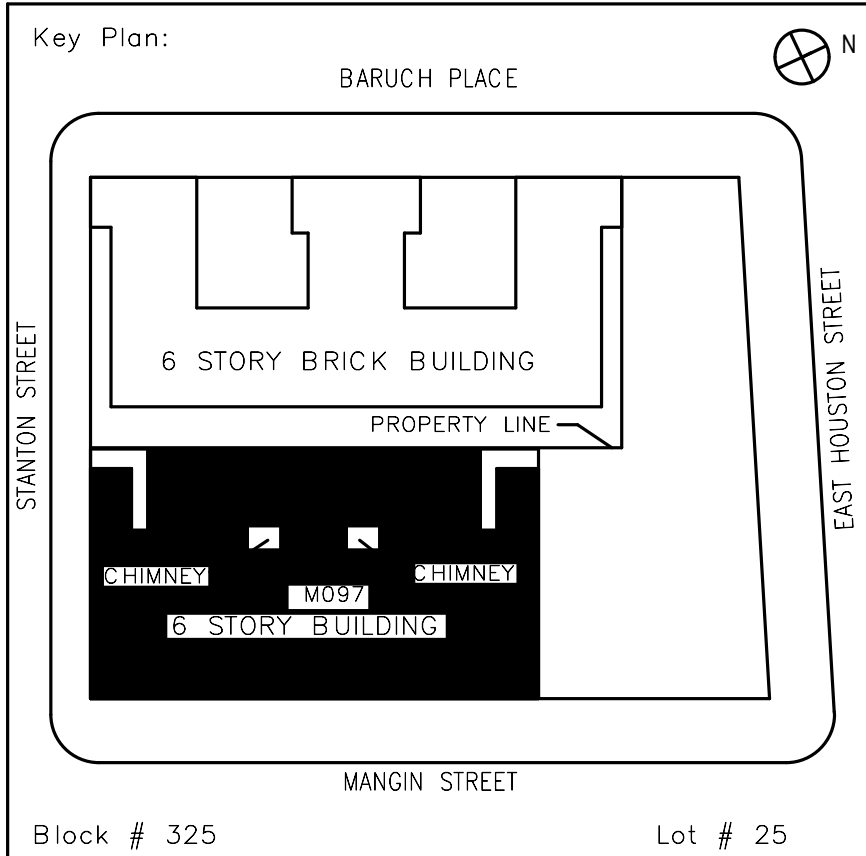
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**NOTE: Drawing may be printed at reduced scale**

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-	05/09/2023	ISSUED FOR BID
No.	Date	Revision



SCA Design Manager:	NASER HAMOUEDEH, P.E.		
Project Architect/Engineer:	JEFFREY RABINER, PE		
Discipline Lead:	JOHN HIGGINS, PE		
Designer:	Designer		
Drawn by:	Author		
Checked by:	JOHN HIGGINS, PE		
Design No or LLW No.	Building ID:	Date:	
D019998	M097	05/09/2023	

Project:  
**BARD COLLEGE HS, MANHATTAN WASTE SYSTEM**

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

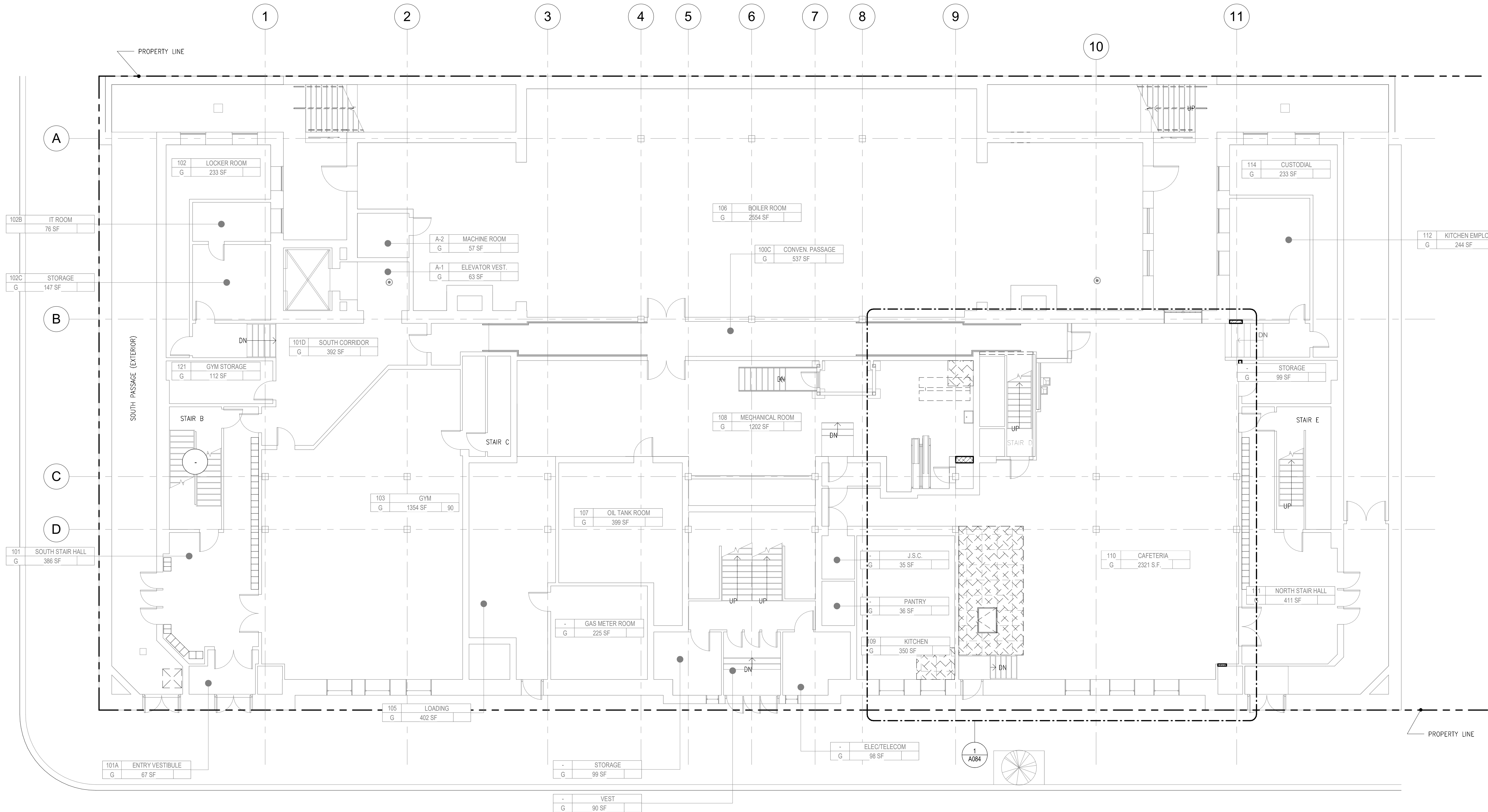
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**2ND FLOOR EGRESS PLAN & ROOF ACCESS PLAN**

DOB NOW Job #M00660122-S1

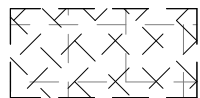
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Sheets in Contract Set:	9 of 42
Sheets in DOB Set:	6 of 37

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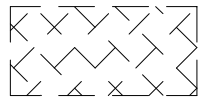




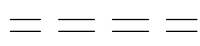
**1 SELECTIVE REMOVALS PLAN - 1ST FLOOR**  
A061 SCALE: 1/8" = 1'-0"



REMOVE EXISTING CONCRETE  
SLAB & REMOVE EXISTING  
VCT FLOORING



REMOVE EXISTING CONCRETE  
SLAB



REMOVE EXISTING WALL CONSTRUCTION



DEMO SECTIONS OF WALL FOR NEW  
PLUMBING PENETRATIONS. SEE  
PLUMBING DRAWINGS FOR SIZES  
AND LOCATION.

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Consultants:

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50 Jackson Avenue, Suite 300, Syosset, NY 11791  
tel: 516.364.8700 fax: 516.364.8707  
web: www.bladykas.com e-mail: info@bladykas.com

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44 West 28th Street, 5 FL / New York, NY 10001  
P 212.242.3735 / F 212.242.7460

**Ysrael A. Seinuk Structural Consultant**  
228 East 45th Street / New York, NY 10017  
P 212.687.2233 / F 646.487.5555

NOTE: Drawing may be printed at reduced scale

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-	05/09/2023	ISSUED FOR BID
No.	Date	Revision

Key Plan:

BARUCH PLACE

STANTON STREET

EAST HOUSTON STREET

MANGIN STREET

Block # 325 Lot # 25

6 STORY BRICK BUILDING

PROPERTY LINE

SHIMNEY

MUSEUM

SHIMNEY

6 STORY BUILDING

SCA Design Manager:		NASER HAMOUDAH, P.E.	
Project Architect/Engineer:		JEFFREY RABINER, PE	
Discipline Lead:		JOHN HIGGINS, PE	
Designer:		GREGORY HERMAN	
Drawn by:		G. HERMAN / M. VARONA	
Checked by:		JOHN HIGGINS, PE	
Design No or LLW No.	Building ID:	Date:	
D019998	M097	05/09/2023	

Project:  
**BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM**

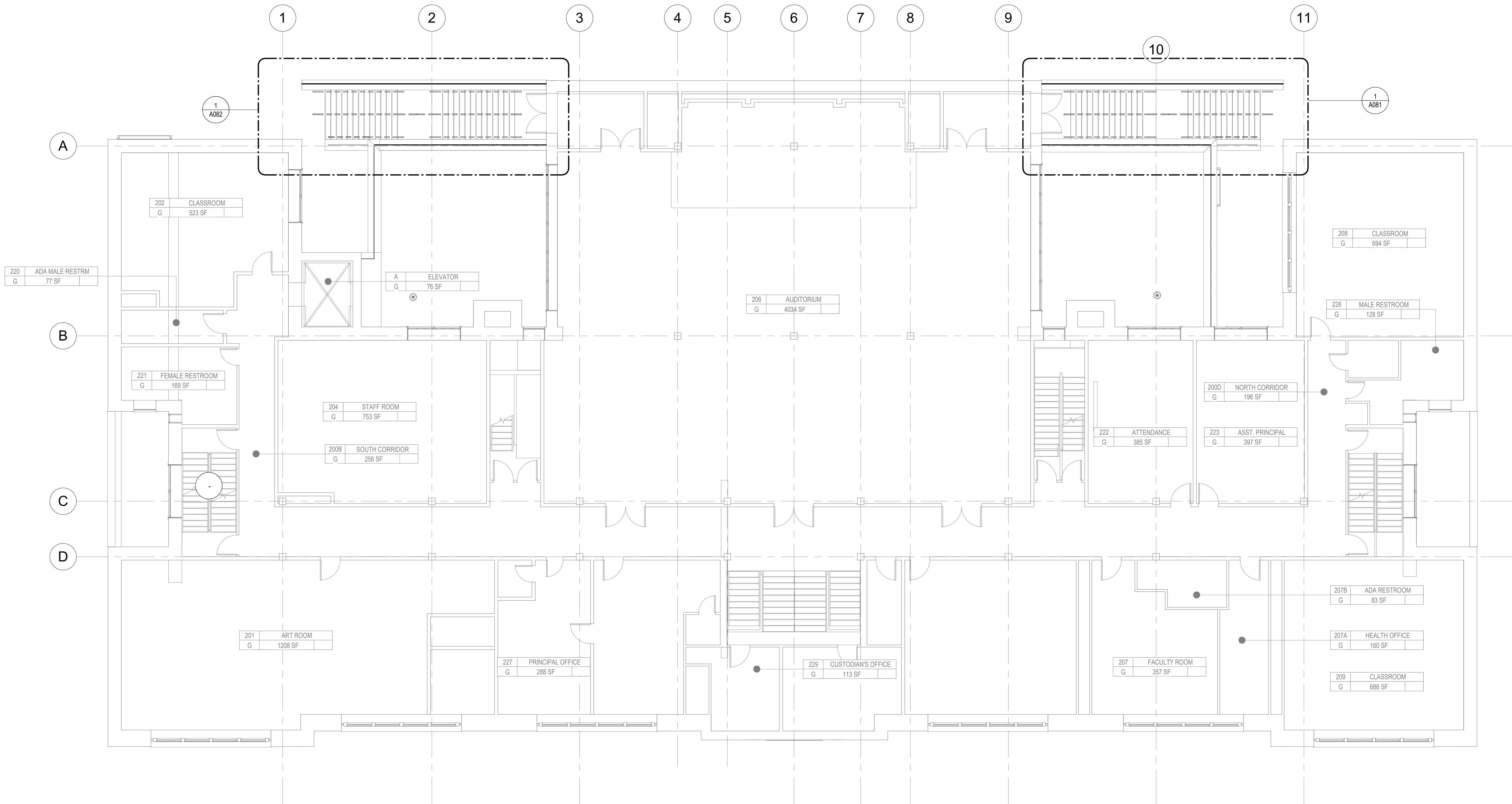
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NEW YORK, NY 10002

Drawing Title:  
**SELECTIVE REMOVALS PLAN -  
1ST FLOOR**

DOB NOW Job #M00660122-S1

Drawing No.:	<b>A061.00</b>
Sheets in Contract Set:	10 of 42
Sheets in DOB Set:	7 of 37





**2 SELECTIVE REMOVALS PLAN - 2ND FLOOR**  
A062 SCALE: 1/8" = 1'-0"

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Design Consultant Management Studio  
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Consultants:

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**GoshowArchitects**  
44 West 28th Street, 5 FL / New York, NY 10001  
P 212.242.3735 / F 212.242.7460

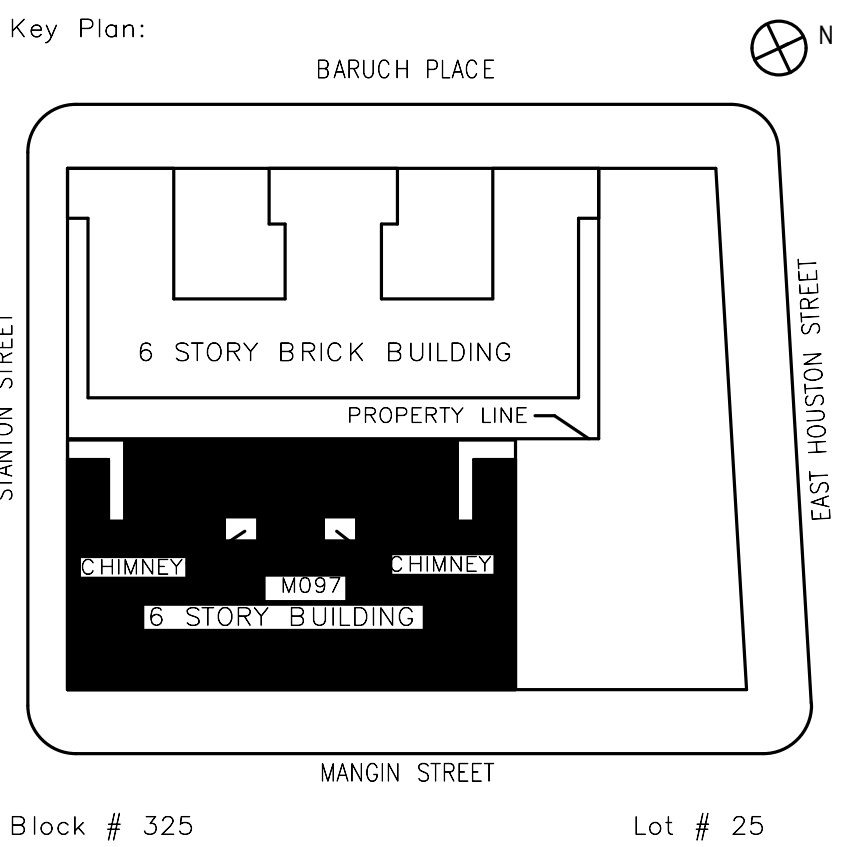
**Ysrael A. Seinuk Structural Consultant**  
228 East 45th Street / New York, NY 10017  
P 212.687.2233 / F 646.487.5555

NOTE: Drawing may be printed at reduced scale

IT IS A VIOLATION OF THE STATE EDUCATION LAW SECTION 7209 (2) FOR ANY PERSON TO ALTER AN ITEM IN ANY WAY UNLESS SUCH PERSON IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, AND THE ENGINEER STAMPS SUCH CHANGES

05/09/2023 ISSUED FOR BID

No. Date Revision



SCA Design Manager:		NASER HAMOUEDEH, P.E.	
Project Architect/Engineer:		JEFFREY RABINER, PE	
Discipline Lead:		JOHN HIGGINS, PE	
Designer:		GREGORY HERMAN	
Drawn by:		G. HERMAN / M. VARONA	
Checked by:		JOHN HIGGINS, PE	
Design No or LLW No.	Building ID:	Date:	
D019998	M097	05/09/2023	

Project:  
**BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM**

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
**SELECTIVE REMOVALS PLAN -  
2ND FLOOR**

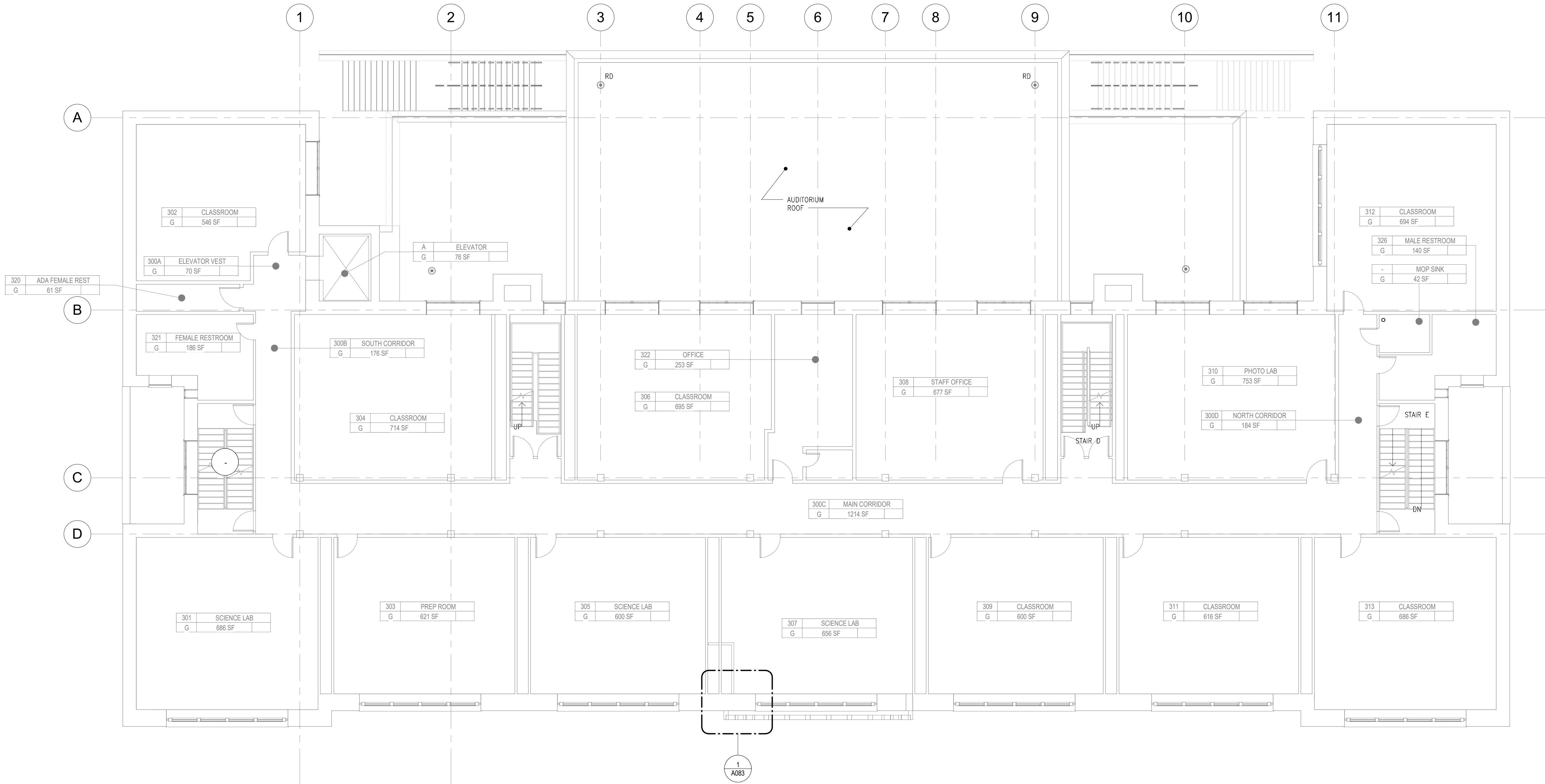
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Drawing No.:  
**A062.00**

Sheets in Contract Set:  
11 of 42

Sheets in DOB Set:  
8 of 37





1 SELECTIVE REMOVALS PLAN - 3RD FLOOR

A063 SCALE: 1/8" = 1'-0"

President & & CEO  
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44 West 28th Street, 5 FL / New York, NY 10001  
P 212.242.3735 / F 212.242.7460

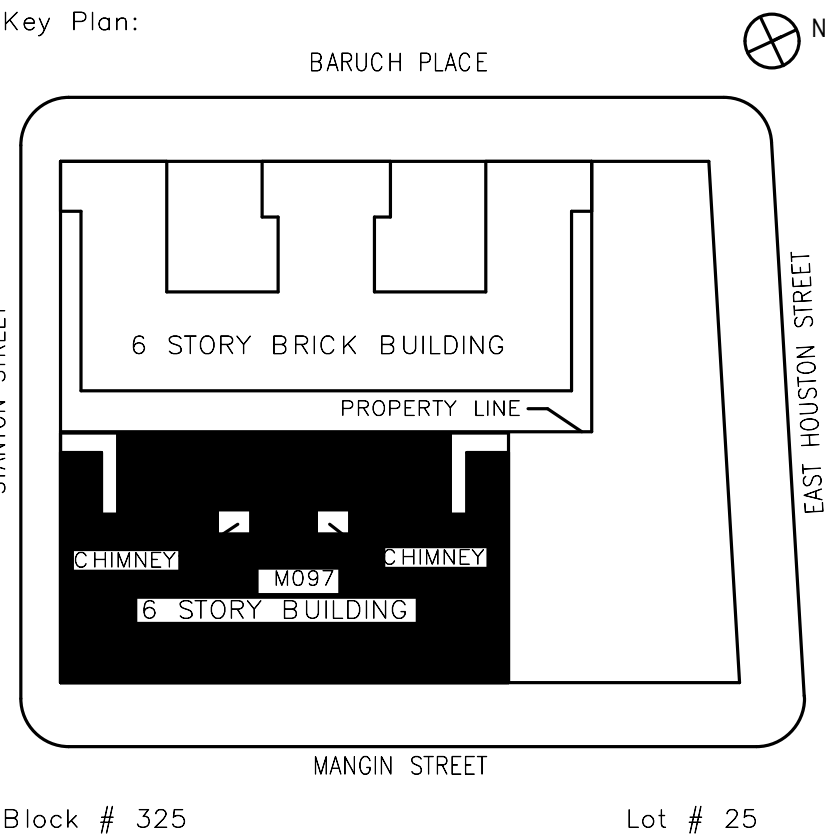
**Ysrael A. Seinuk Structural Consultant**  
228 East 49th Street / New York, NY 10017  
P 212.687.2233 / F 646.487.5555

NOTE: Drawing may be printed at reduced scale

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No. Date Revision



SCA Design Manager:	NASER HAMOUEDEH, P.E.		
Project Architect/Engineer:	JEFFREY RABINER, PE		
Discipline Lead:	JOHN HIGGINS, PE		
Designer:	GREGORY HERMAN		
Drawn by:	G. HERMAN / M. VARONA		
Checked by:	JOHN HIGGINS, PE		
Design No or LLW No.:	Building ID:	Date:	
D019998	M097	05/09/2023	

Project:  
BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
SELECTIVE REMOVALS PLAN -  
3RD FLOOR

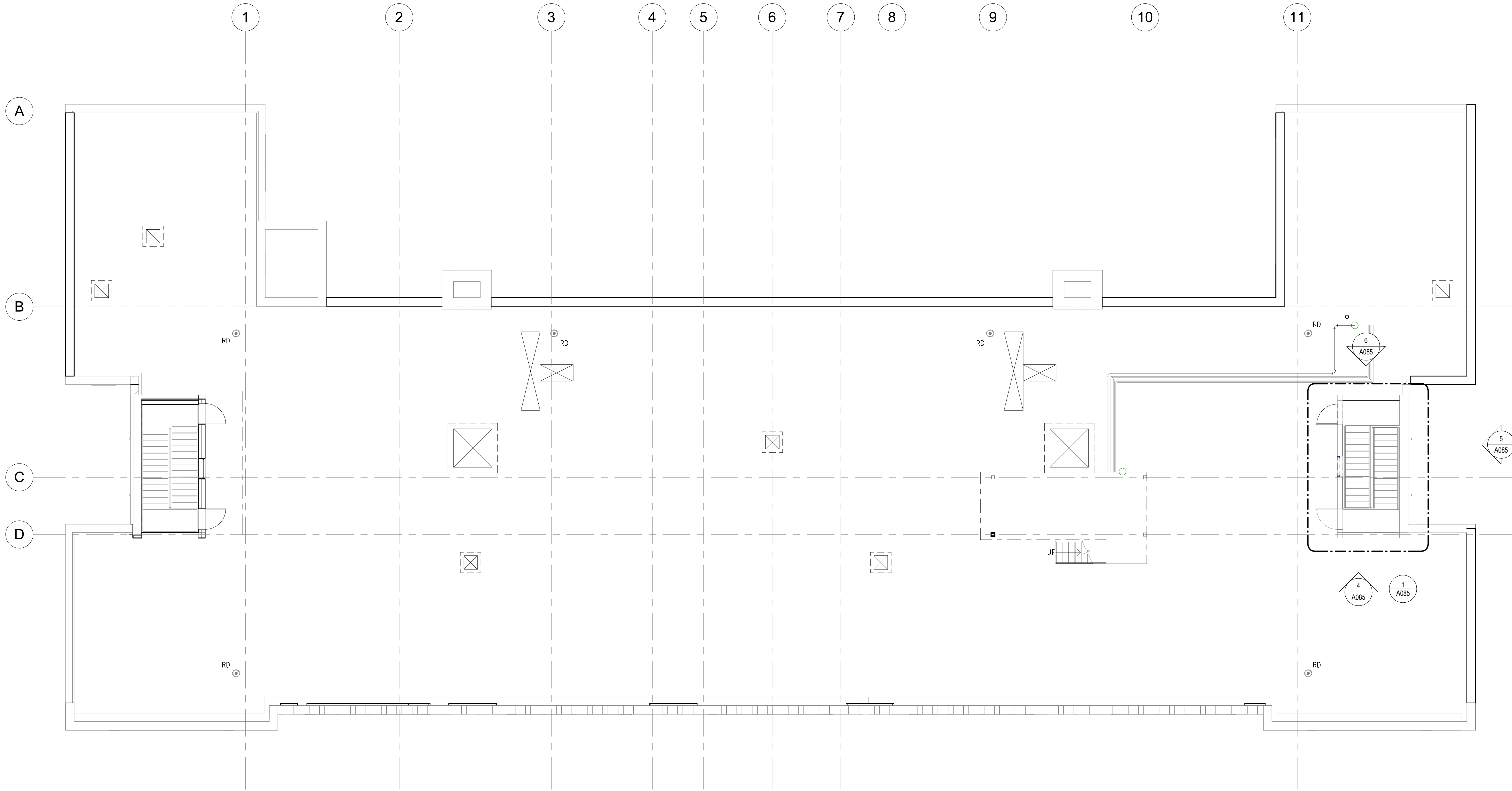
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Drawing No.:  
A063.00

Sheets in Contract Set:  
12 of 42

Sheets in DOB Set:  
9 of 37





1 SELECTIVE REMOVALS PLAN - ROOF

A064 SCALE: 1/8" = 1'-0"

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Structural Consultant  
228 East 45th Street / New York, NY 10017  
P 212.687.2233 / F 646.487.5555

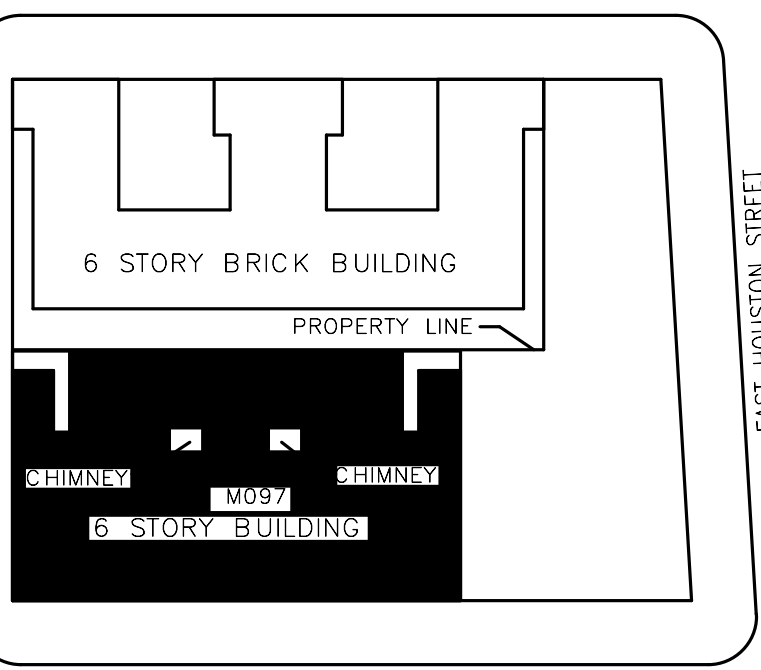
NOTE: Drawing may be printed at reduced scale

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05/09/2023 ISSUED FOR BID

No. Date Revision

Key Plan:



Block # 325 Lot # 25

SCA Design Manager:	NASER HAMOUEDEH, P.E.		
Project Architect/Engineer:	JEFFREY RABINER, PE		
Discipline Lead:	JOHN HIGGINS, PE		
Designer:	GREGORY HERMAN		
Drawn by:	G. HERMAN / M. VARONA		
Checked by:	JOHN HIGGINS, PE		
Design No or LLW No:	Building ID:	Date:	
D019998	M097	05/09/2023	

Project:  
BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

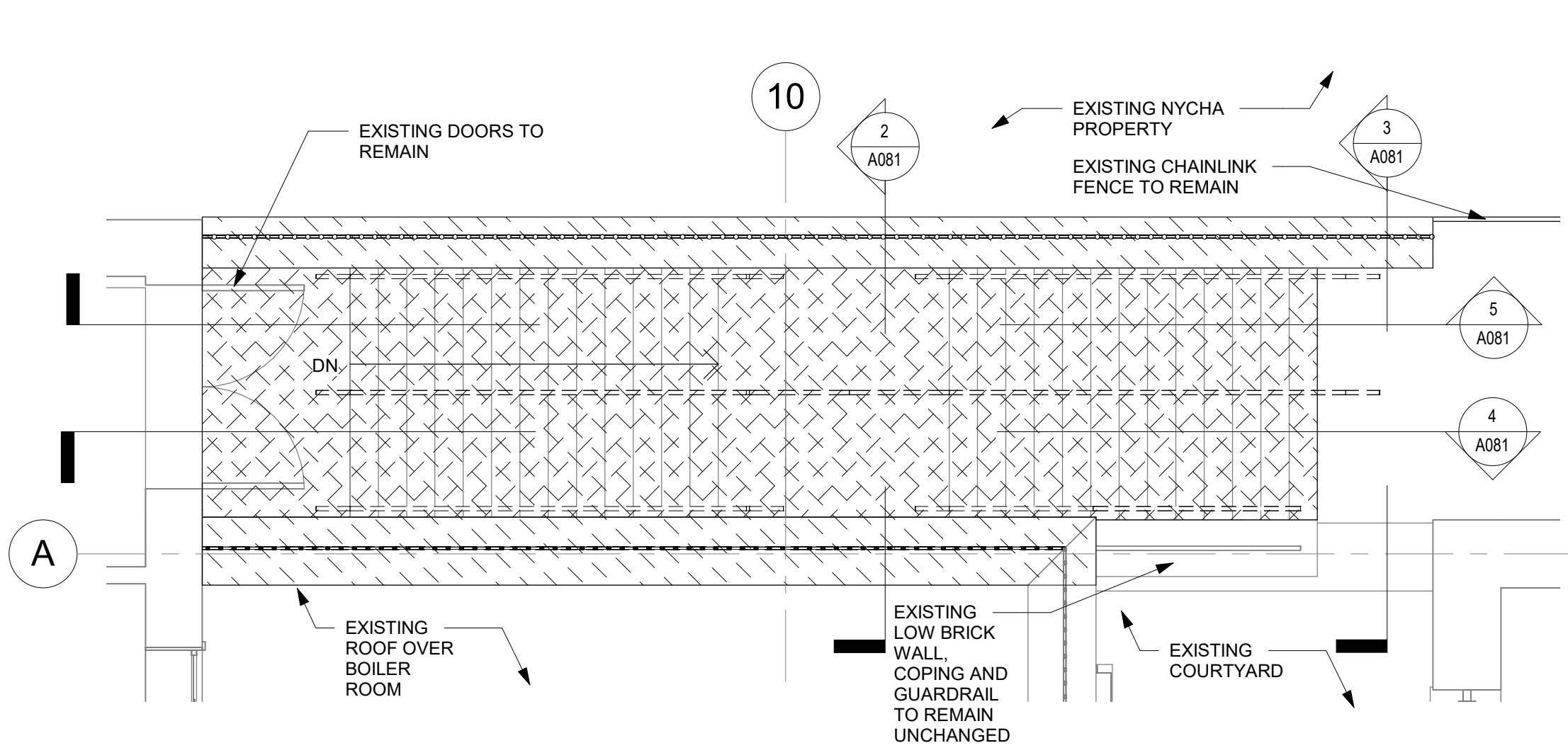
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SELECTIVE REMOVALS PLAN -  
ROOF

DOB NOW Job #M00660122-S1

Drawing No.:	A064.00
Sheets in Contract Set:	13 of 42
Sheets in DOB Set:	10 of 37

P:\2021\202115 Bladykas SCA HS696M Bard4 Drawings\B Reference Files\Rev1 Central\Local F5\162023 11:19:02 AlMyas SCA HS696M Bard4.dwg





**1 NORTH EGRESS STAIR SELECTIVE REMOVALS PLAN**  
A081 SCALE: 1/4" = 1'-0"

**DEMO PLAN LEGEND**

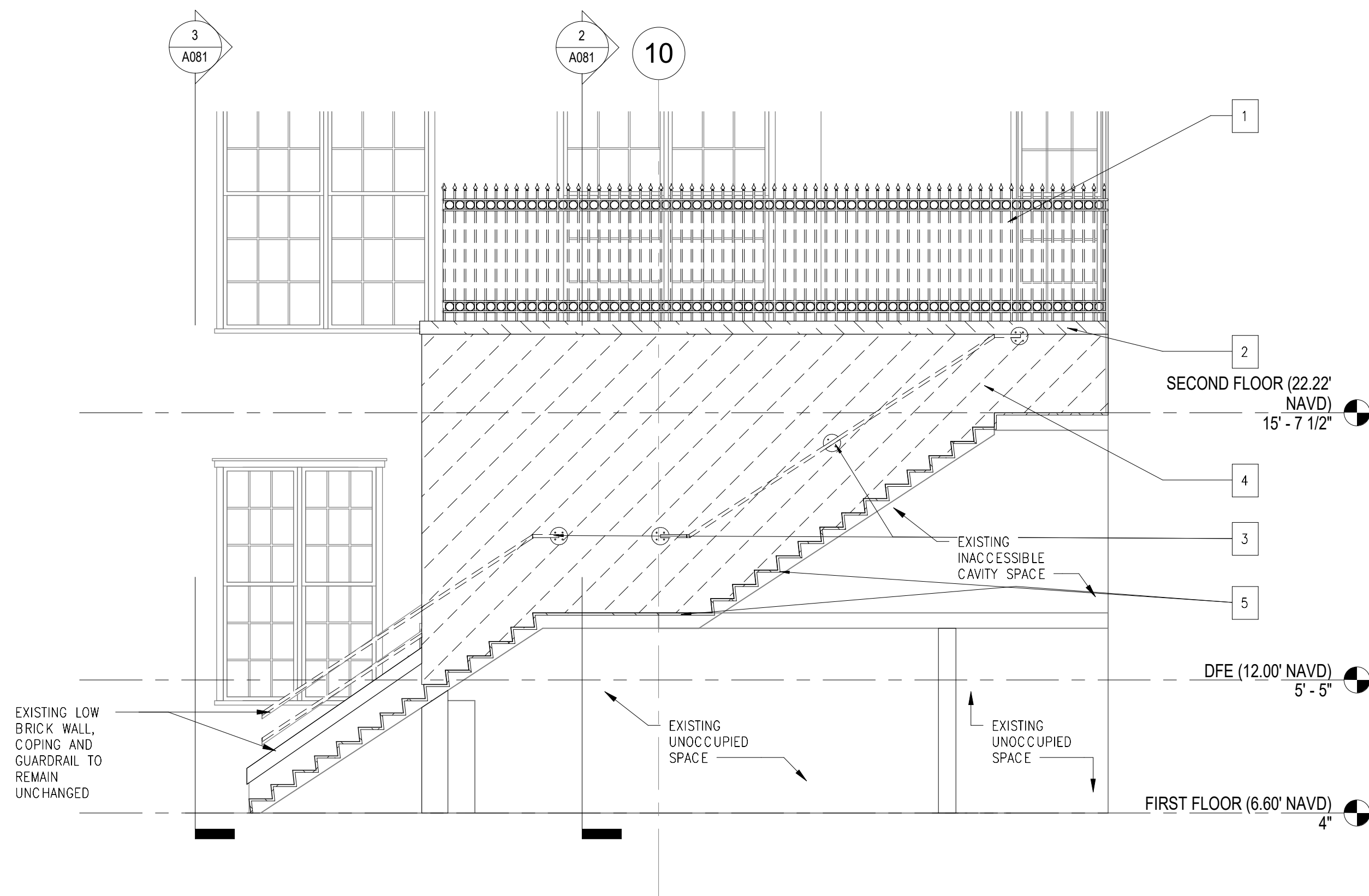
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- SCARIFY CONCRETE
- REMOVE EXISTING HANDRAILS
- REMOVE EXISTING WROUGHT IRON FENCE AND STORE FOR REPAINTING AND REPAIRS

**DEMO ELEVATION LEGEND**

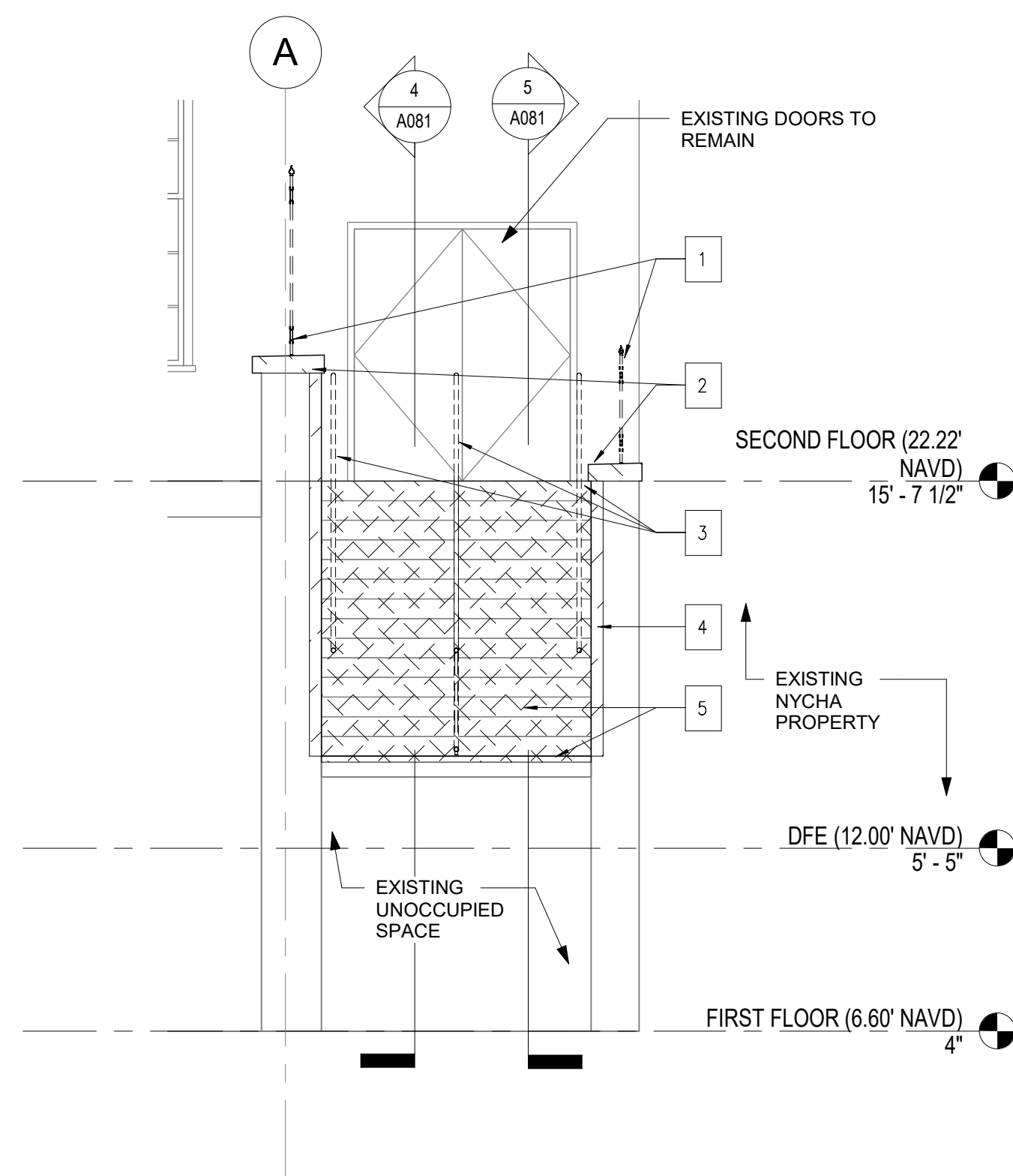
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- REMOVE EXISTING STONE COPING
- SCARIFY CONCRETE

**DEMO KEYNOTES**

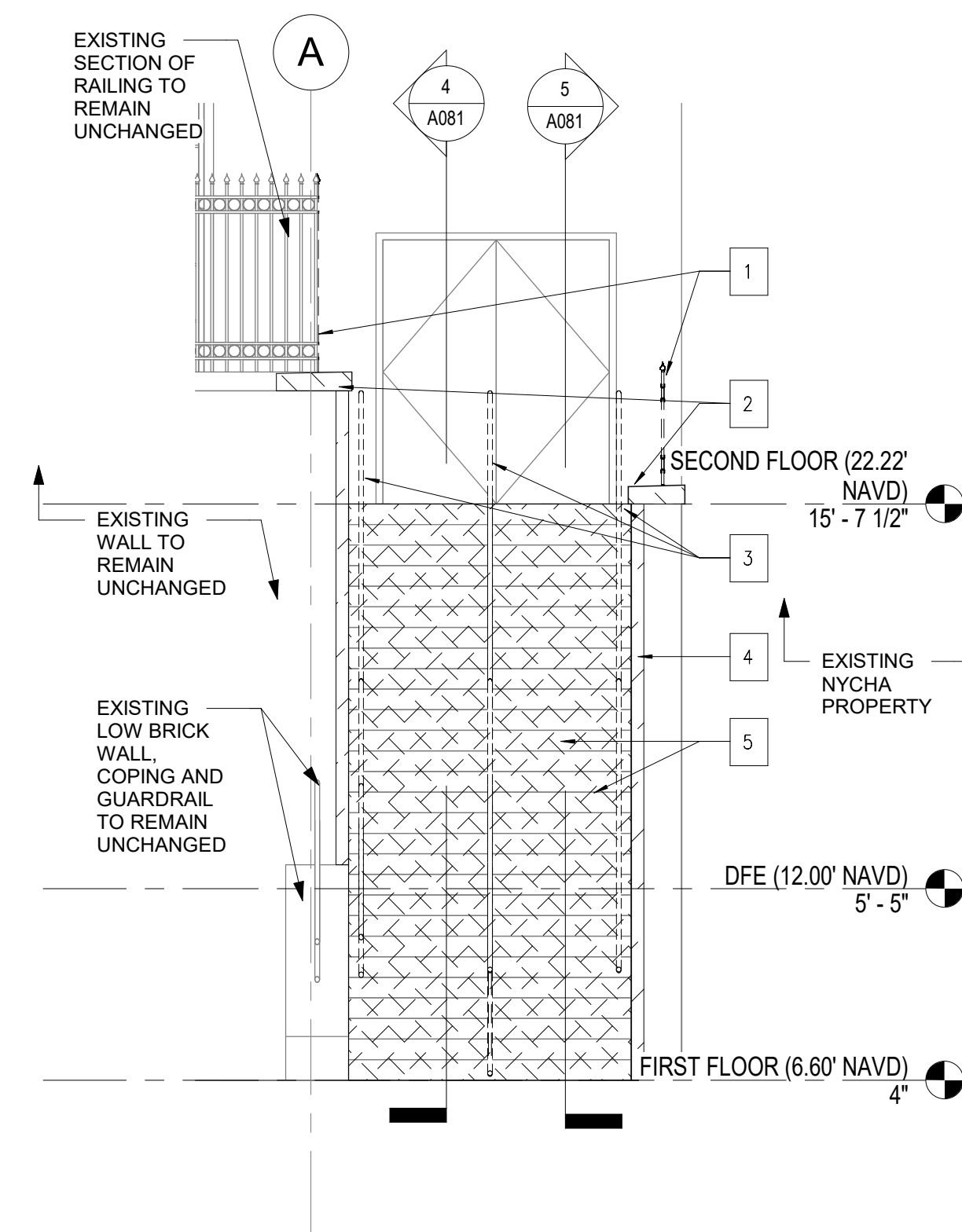
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- 2 REMOVE EXISTING STONE COPING
- 3 REMOVE EXISTING HANDRAILS
- 4 REMOVE EXISTING FACE BRICK
- 5 SCARIFY CONCRETE, TREADS AND RISERS OF STAIRCASE



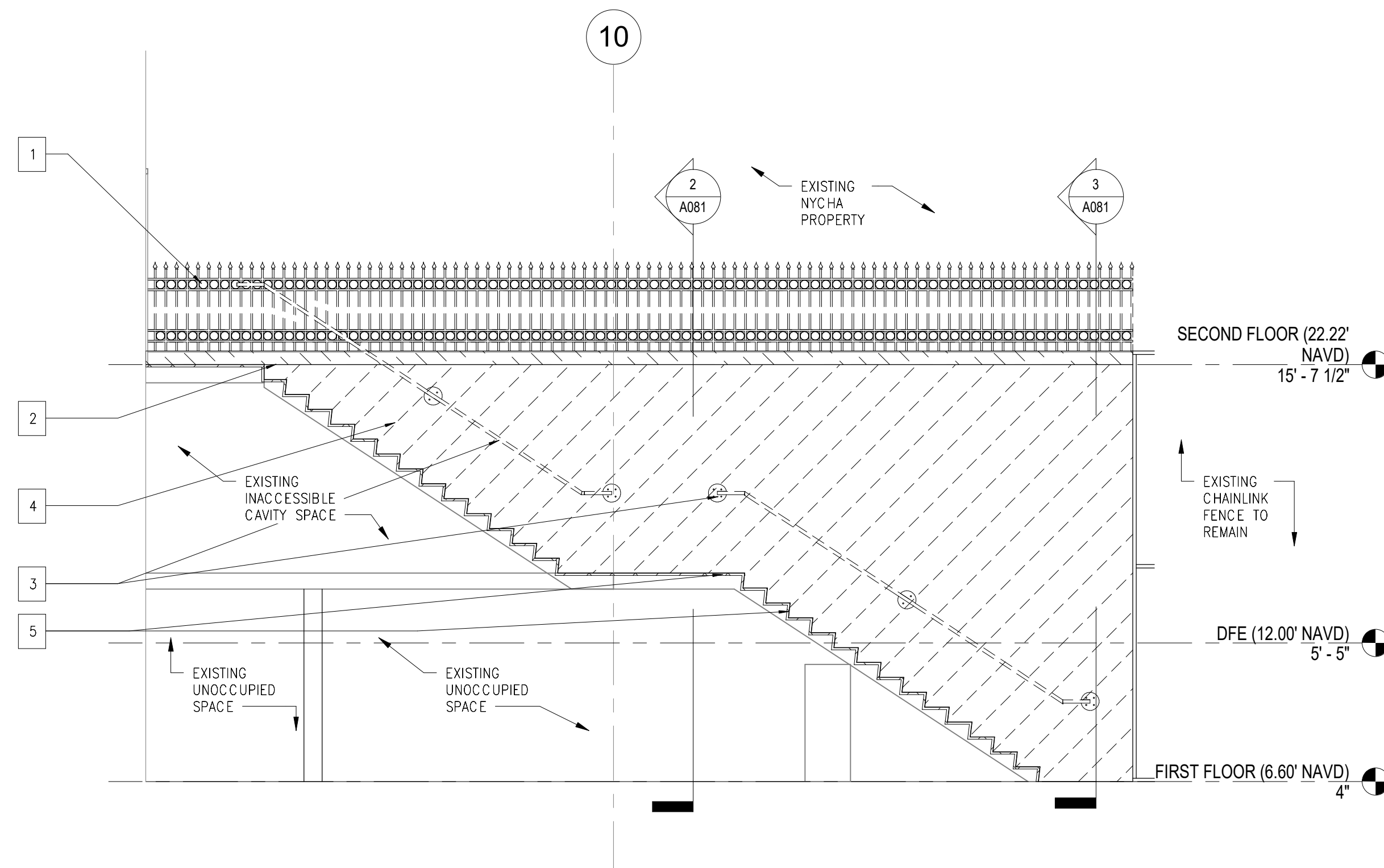
**4 NORTH EGRESS STAIR SELECTIVE REMOVALS SECTION 3**  
A081 SCALE: 1/4" = 1'-0"



**2 NORTH EGRESS STAIR SELECTIVE REMOVALS SECTION 1**  
A081 SCALE: 1/4" = 1'-0"



**3 NORTH EGRESS STAIR SELECTIVE REMOVALS SECTION 2**  
A081 SCALE: 1/4" = 1'-0"



**5 NORTH EGRESS STAIR SELECTIVE REMOVALS SECTION 4**  
A081 SCALE: 1/4" = 1'-0"

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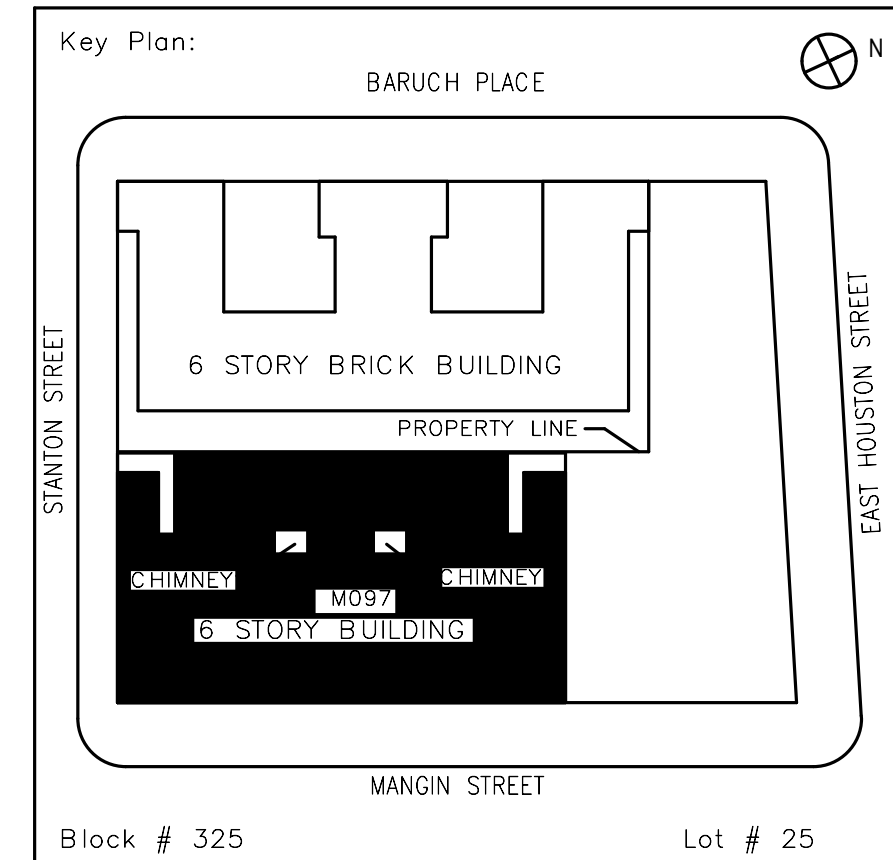
**Ysrael A. Seinuk Structural Consultant**  
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05/09/2023 ISSUED FOR BID

No.	Date	Revision
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SCA Design Manager:	NASER HAMOUEH, P.E.	
Project Architect/Engineer:	JEFFREY RABINER, PE	
Discipline Lead:	JOHN HIGGINS, PE	
Designer:	GREGORY HERMAN	
Drawn by:	G. HERMAN / M. VARONA	
Checked by:	JOHN HIGGINS, PE	
Design No or LLW No.	Building ID:	Date:
D019998	M097	05/09/2023

Project:  
**BARD COLLEGE HS, MANHATTAN WASTE SYSTEM**

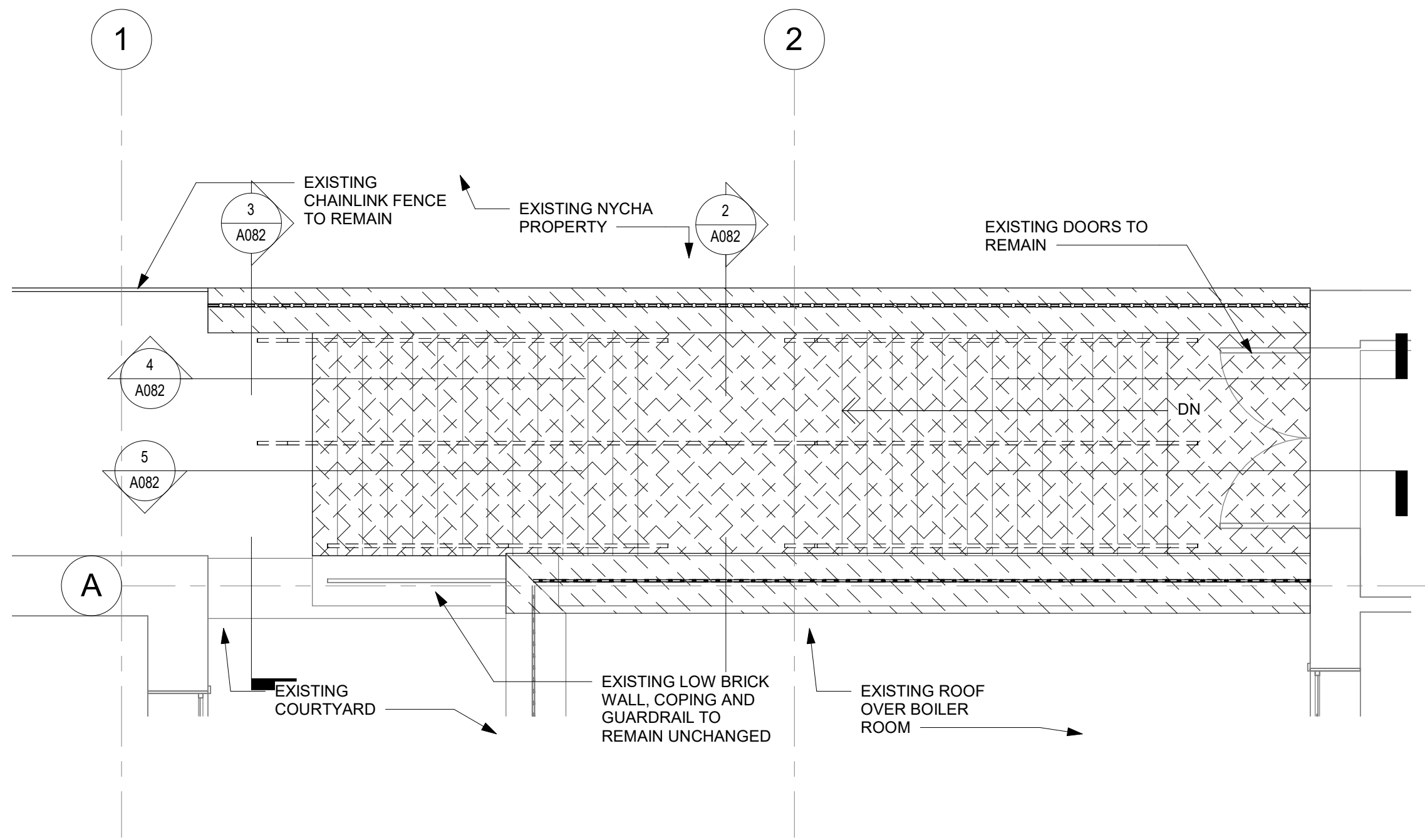
Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
**NORTH REAR EGRESS STAIR SELECTIVE DEMOLITION**

DOB NOW Job #M00660122-S1

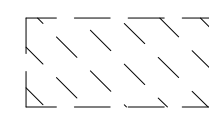
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Sheets in Contract Set:	14 of 42
Sheets in DOB Set:	11 of 37



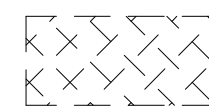


**1 SOUTH EGRESS STAIR SELECTIVE REMOVALS PLAN**  
A082 SCALE: 1/4" = 1'-0"

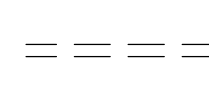
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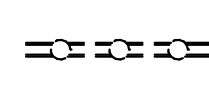
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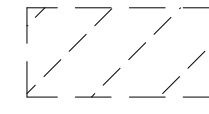


REMOVE EXISTING HANDRAILS



REMOVE EXISTING WROUGHT IRON FENCE AND STORE FOR REPAINTING AND REPAIRS

**DEMO ELEVATION LEGEND**



REMOVE EXISTING FACE BRICK



REMOVE EXISTING STONE COPING



SCARIFY CONCRETE

**DEMO KEYNOTES**

1

REMOVE EXISTING WROUGHT IRON FENCE AND STORE FOR REPAINTING AND REPAIRS

2

REMOVE EXISTING STONE COPING

3

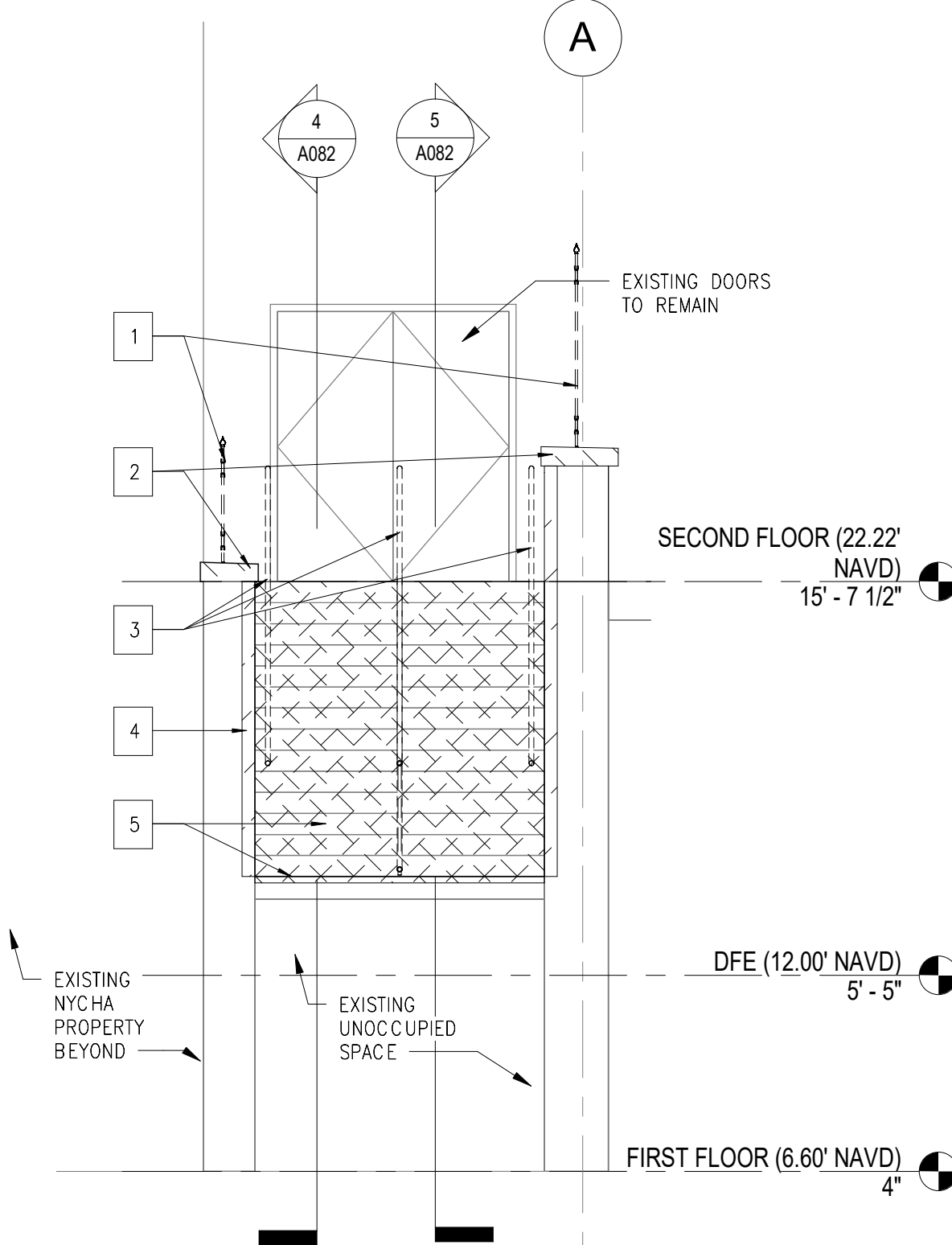
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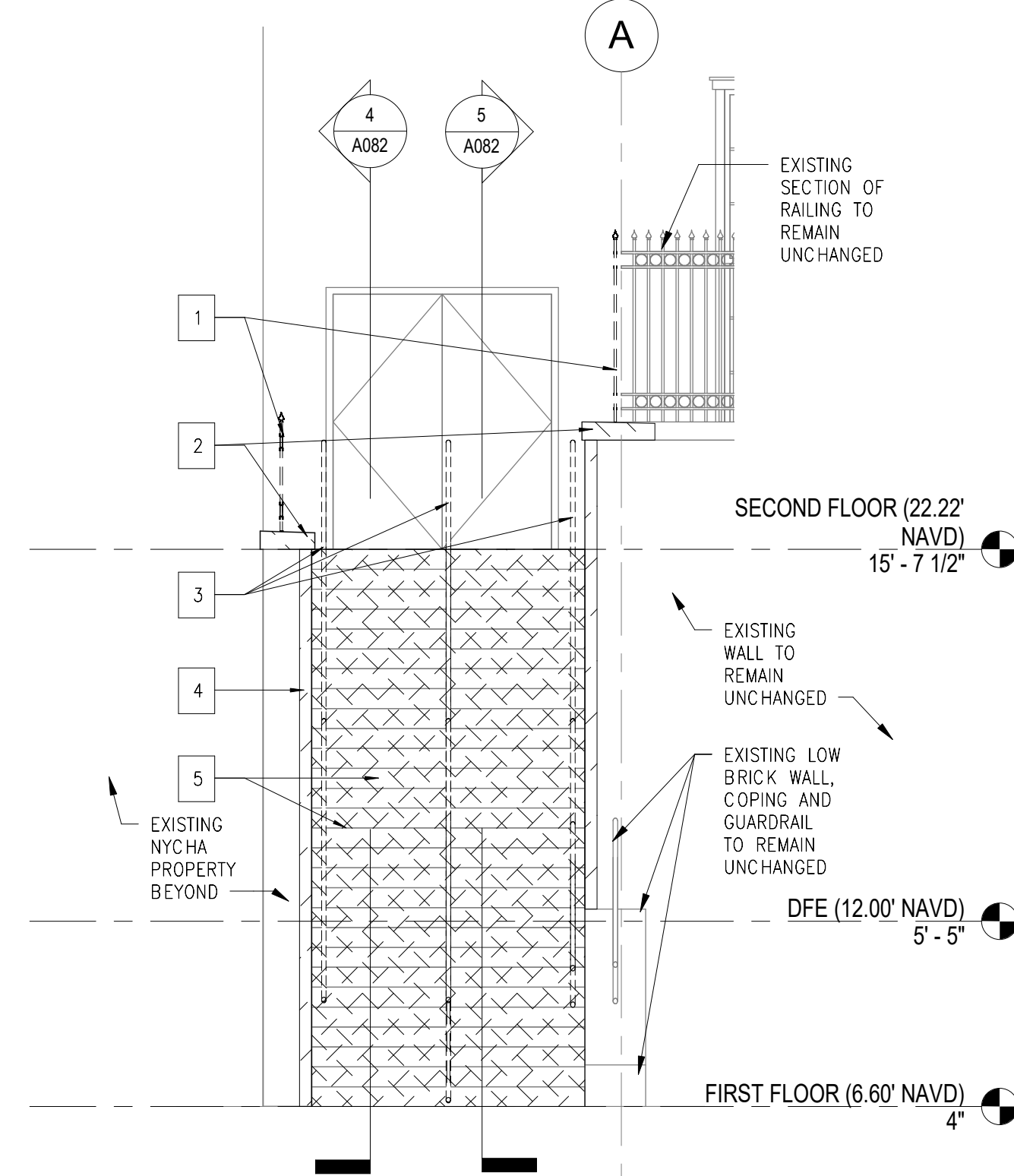
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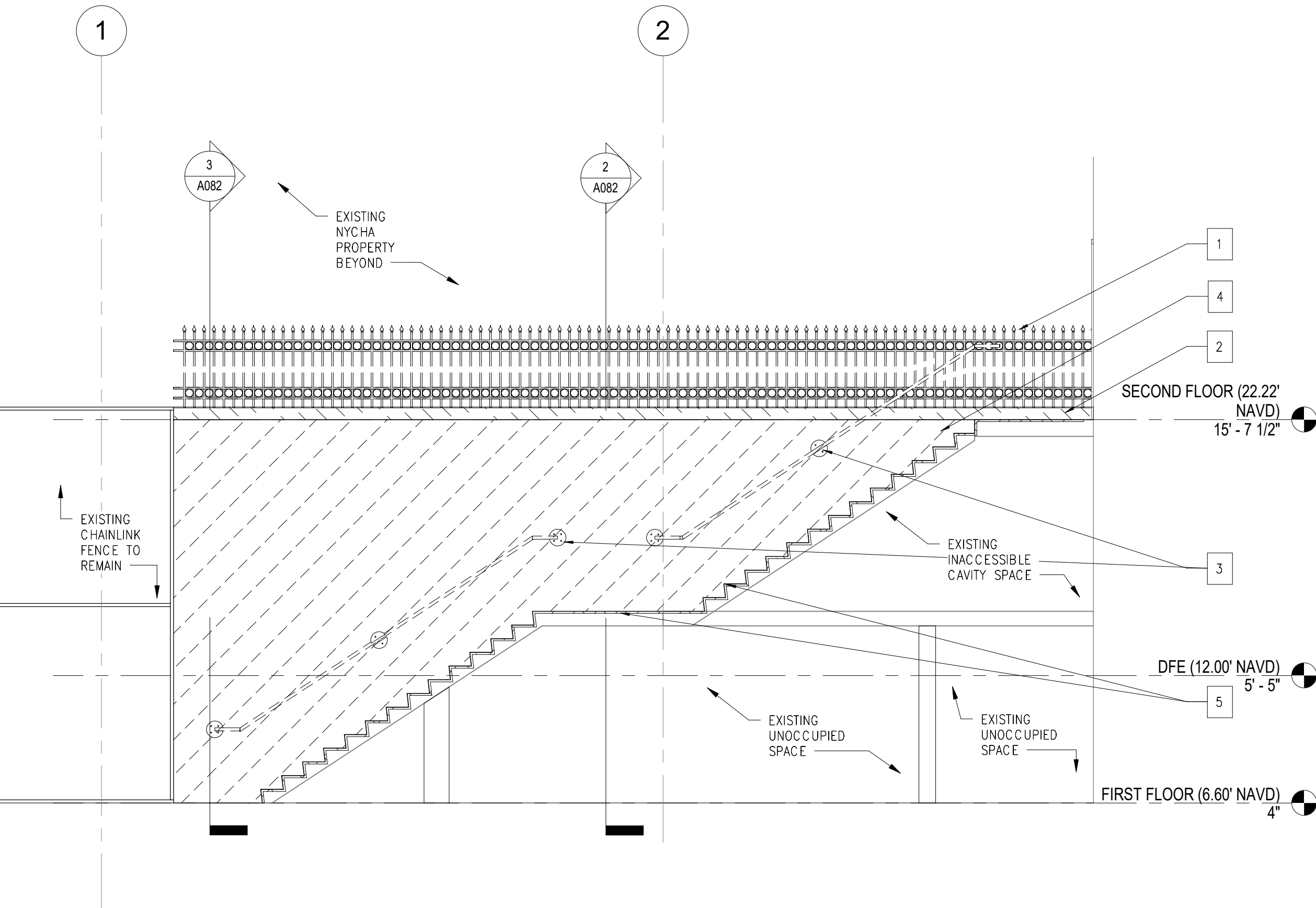
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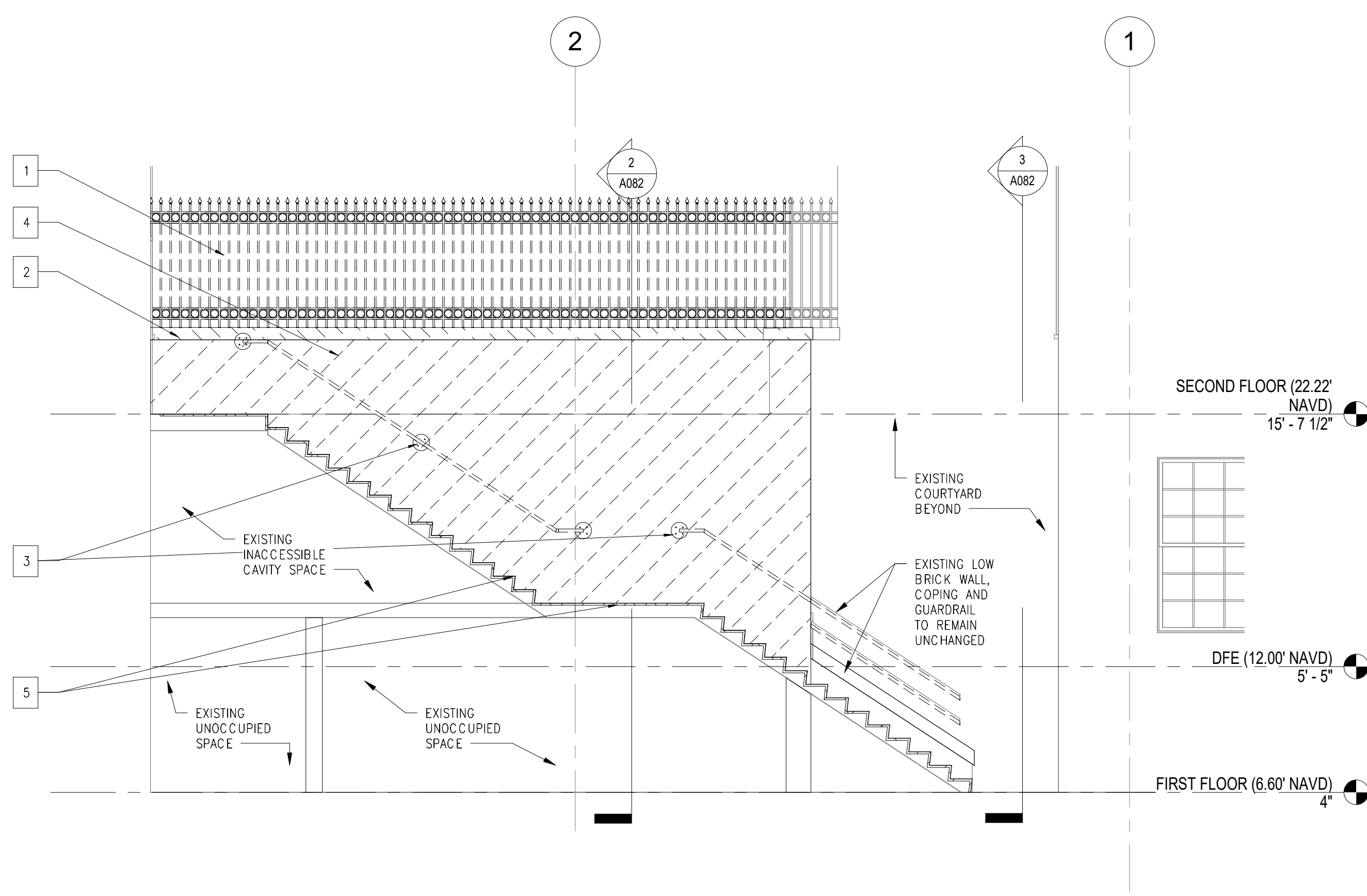
**2 SOUTH EGRESS STAIR SELECTIVE REMOVALS SECTION 1**  
A082 SCALE: 1/4" = 1'-0"



**3 SOUTH EGRESS STAIR SELECTIVE REMOVALS SECTION 2**  
A082 SCALE: 1/4" = 1'-0"



**4 SOUTH EGRESS STAIR SELECTIVE REMOVALS SECTION 3**  
A082 SCALE: 1/4" = 1'-0"



**5 SOUTH EGRESS STAIR SELECTIVE REMOVALS SECTION 4**  
A082 SCALE: 1/4" = 1'-0"

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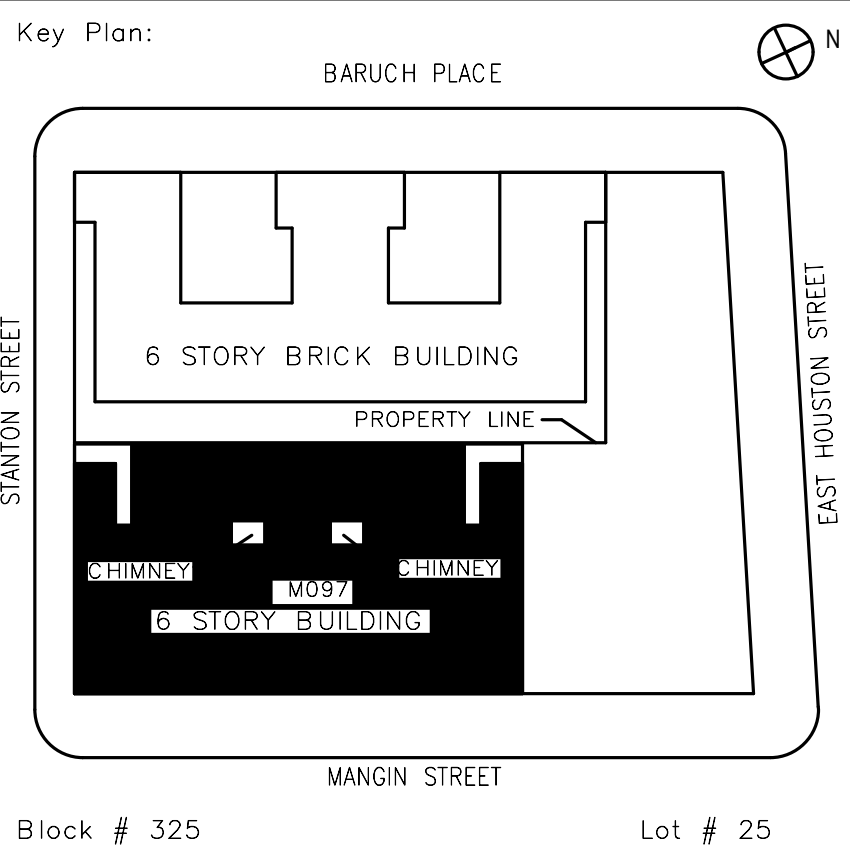
**Ysrael A. Seinuk Structural Consultant**  
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P 212.687.2233 / F 646.487.5555

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05/09/2023 ISSUED FOR BID

No.	Date	Revision
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Block # 325 Lot # 25

SCA Design Manager:	NASER HAMOUEDEH, P.E.	
Project Architect/Engineer:	JEFFREY RABINER, PE	
Discipline Lead:	JOHN HIGGINS, PE	
Designer:	GREGORY HERMAN	
Drawn by:	G. HERMAN / M. VARONA	
Checked by:	JOHN HIGGINS, PE	
Design No or LLW No.	Building ID:	Date:
D019998	M097	05/09/2023

Project:  
**BARD COLLEGE HS, MANHATTAN WASTE SYSTEM**

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
**SOUTH REAR EGRESS STAIR SELECTIVE DEMOLITION**

DOB NOW Job #M00660122-S1

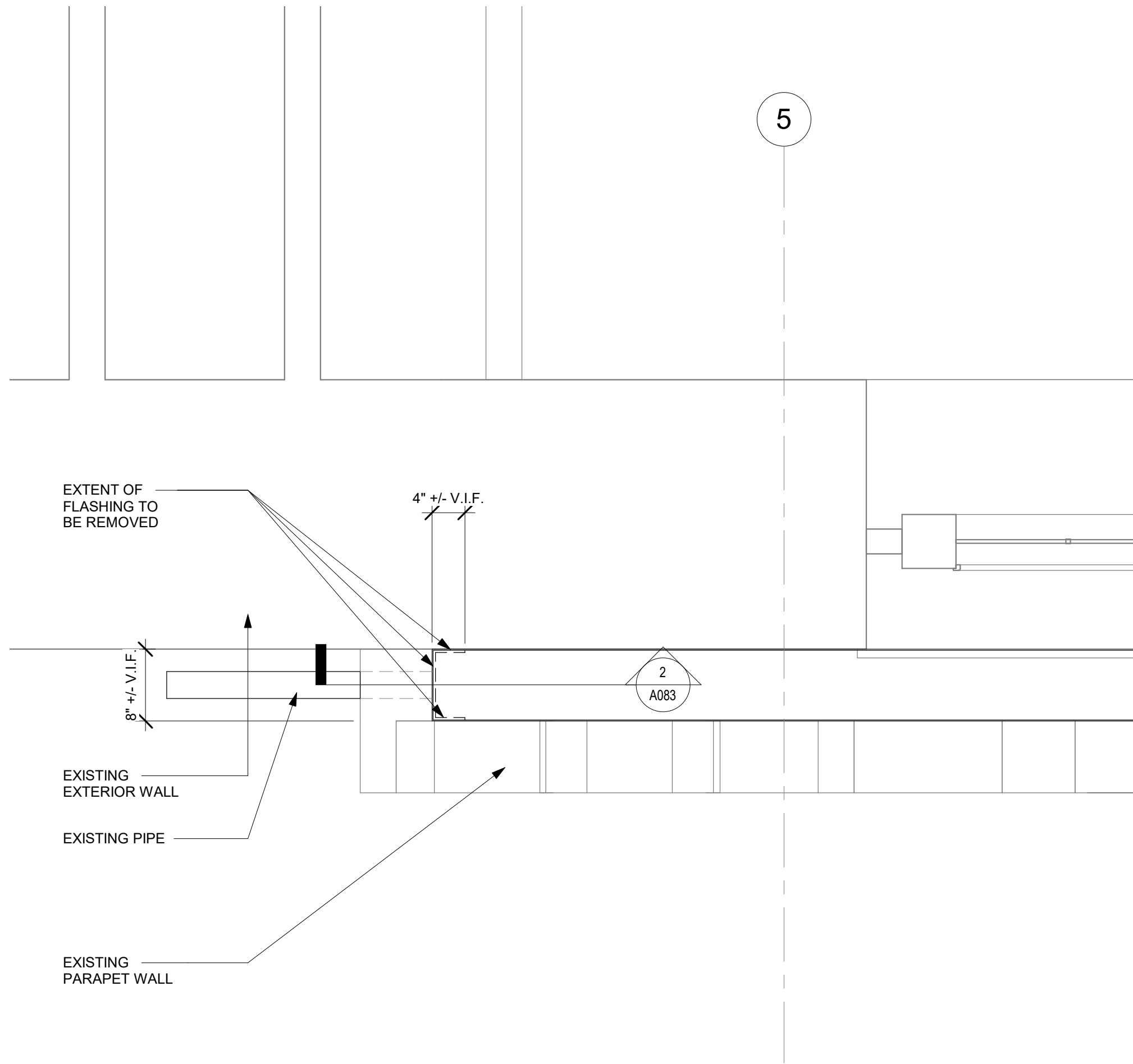
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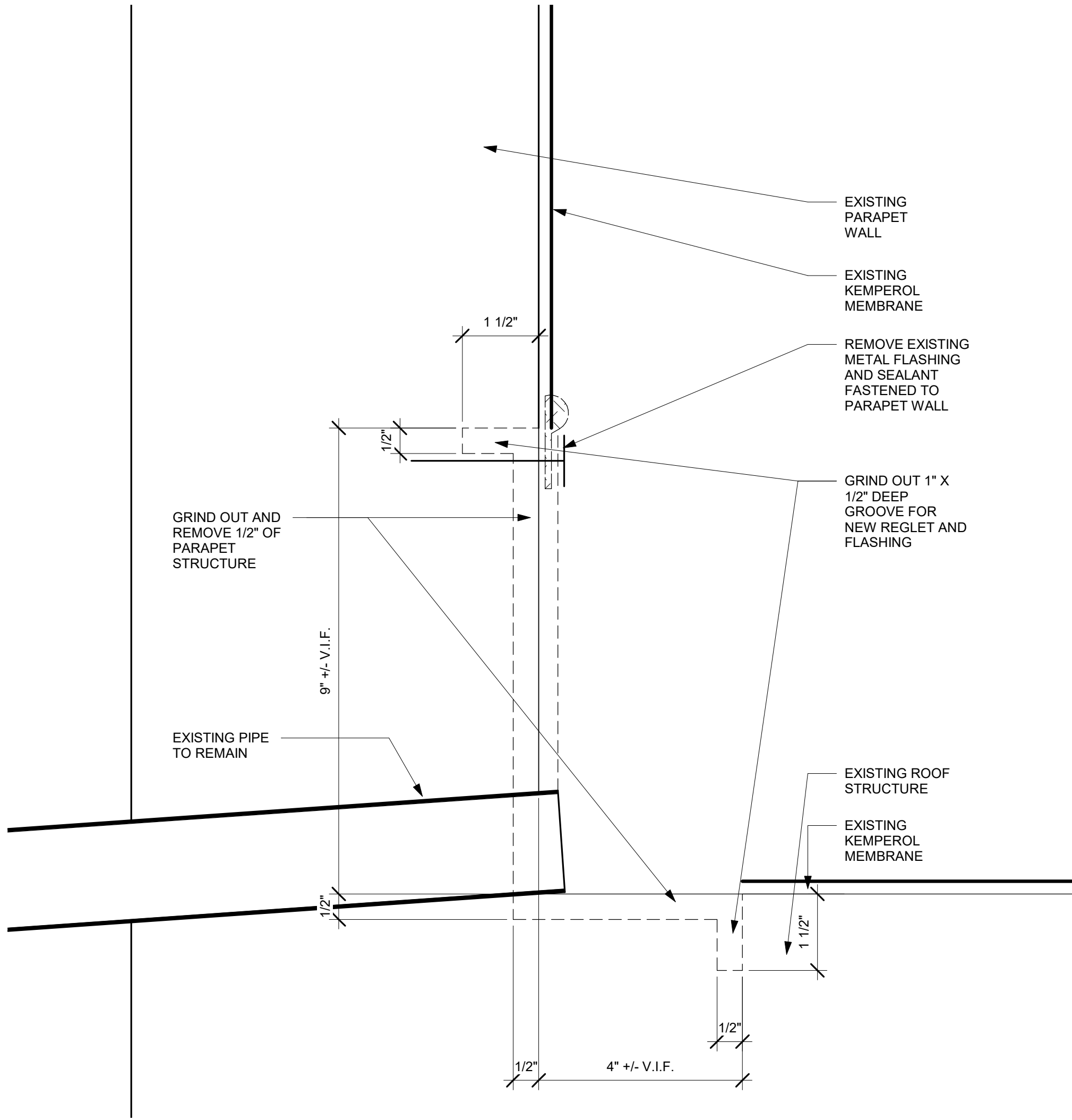
Sheets in Contract Set:  
15 of 42

Sheets in DOB Set:  
12 of 37





**1 MAIN ENTRANCE BALCONY SELECTIVE REMOVALS PLAN**  
A083 SCALE: 1" = 1'-0"



**2 SECTION THROUGH MAIN ENTRANCE PARAPET WALL SELECTIVE DEMOLITION**  
A083 SCALE: 6" = 1'-0"

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Consultants:

**Bladykas Engineering, P.C.**  
50 Jackson Avenue, Suite 300, Syosset, NY 11791  
tel: 516.364.8700 fax: 516.364.8707  
web: www.bladykas.com e-mail: info@bladykas.com

**GoshowArchitects**  
44 West 28th Street, 5 FL / New York, NY 10001  
P 212.242.3735 / F 212.242.7460

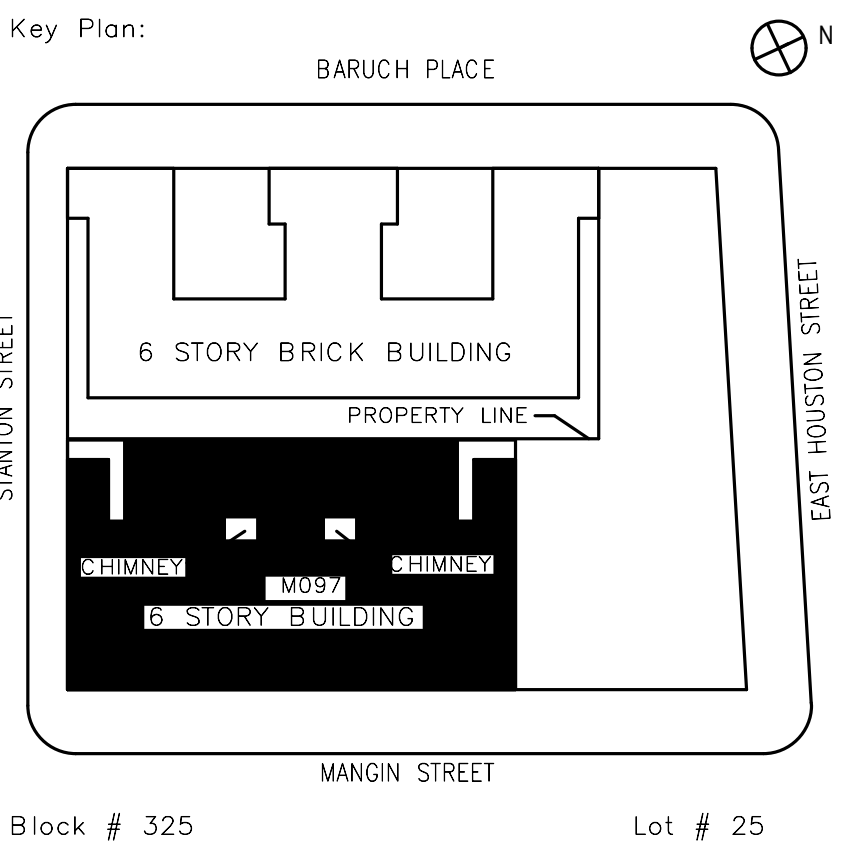
**Ysrael A. Seinuk Structural Consultant**  
228 East 45th Street / New York, NY 10017  
P 212.687.2233 / F 646.487.5555

NOTE: Drawing may be printed at reduced scale

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05/09/2023 ISSUED FOR BID

No.	Date	Revision
-----	------	----------



SCA Design Manager:	NASER HAMOUEDEH, P.E.		
Project Architect/Engineer:	JEFFREY RABINER, PE		
Discipline Lead:	JOHN HIGGINS, PE		
Designer:	GREGORY HERMAN		
Drawn by:	G. HERMAN / M. VARONA		
Checked by:	JOHN HIGGINS, PE		
Design No or LLW No.:	Building ID:	Date:	
D019998	M097	05/09/2023	

Project:  
BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002


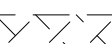
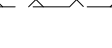

Drawing Title:  
**MAIN ENTRANCE BALCONY  
SELECTIVE DEMOLITION**

DOB NOW Job #M00660122-S1

Drawing No.:	<b>A083.00</b>
Sheets in Contract Set:	16 of 42
Sheets in DOB Set:	13 of 37

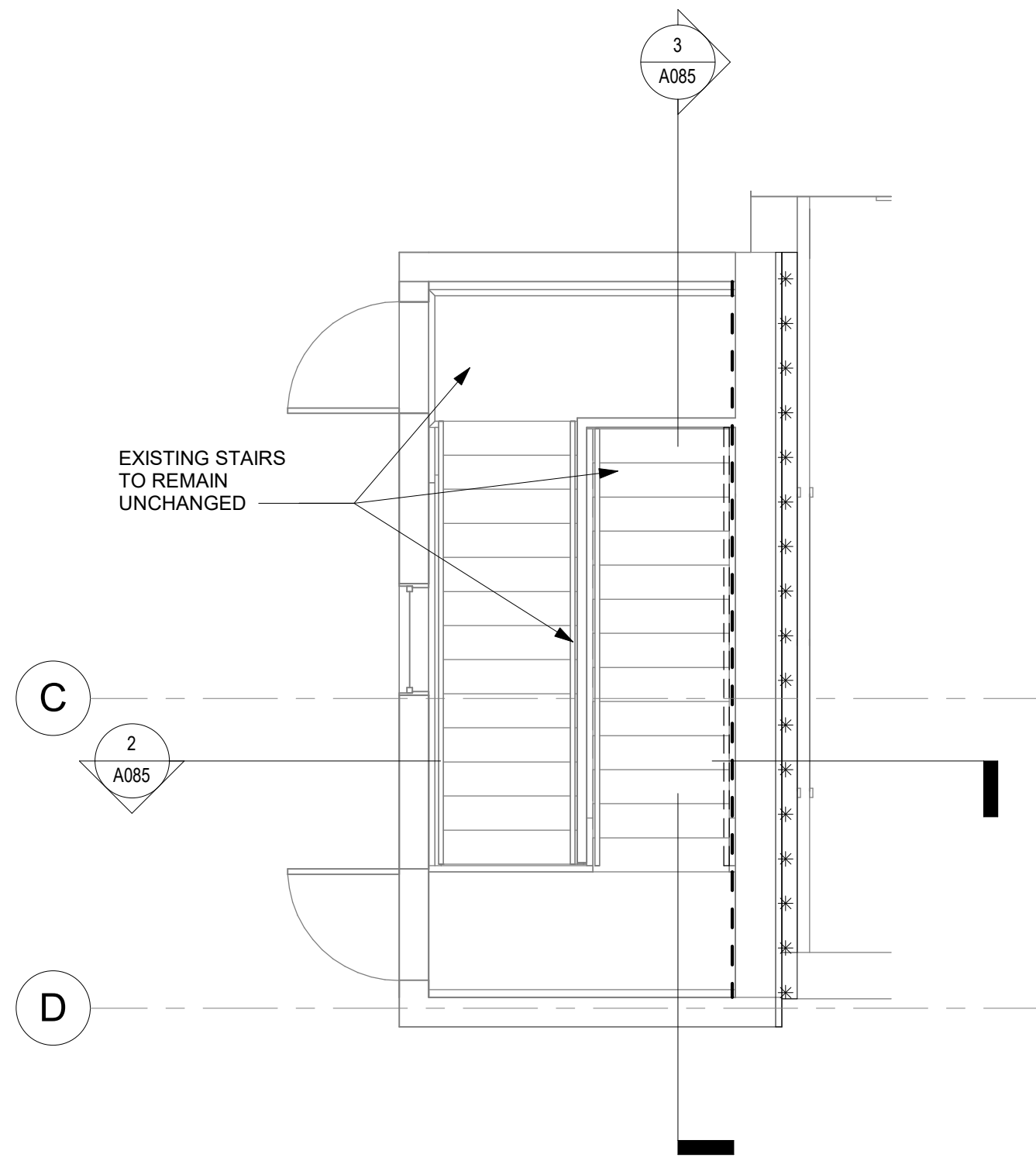
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- |   |   |
|---|---|
|  | REMOVE EXISTING CONCRETE<br>SLAB & REMOVE EXISTING<br>VCT FLOORING  |
|  | REMOVE EXISTING CONCRETE<br>SLAB  |
|  | REMOVE EXISTING WALL CONSTRUCTION   |
|  | DEMO SECTIONS OF WALL FOR NEW<br>PLUMBING PENETRATIONS. SEE<br>PLUMBING DRAWINGS FOR SIZES<br>AND LOCATION. |

Drawing No.:	<b>A084.00</b>
Sheets in Contract Set:	17 of 42
Sheets in DOB Set:	14 of 37





1 NORTH BULKHEAD - PLAN  
SELECTIVE DEMOLITION  
A085 SCALE: 1/4" = 1'-0"

DEMO PLAN LEGEND

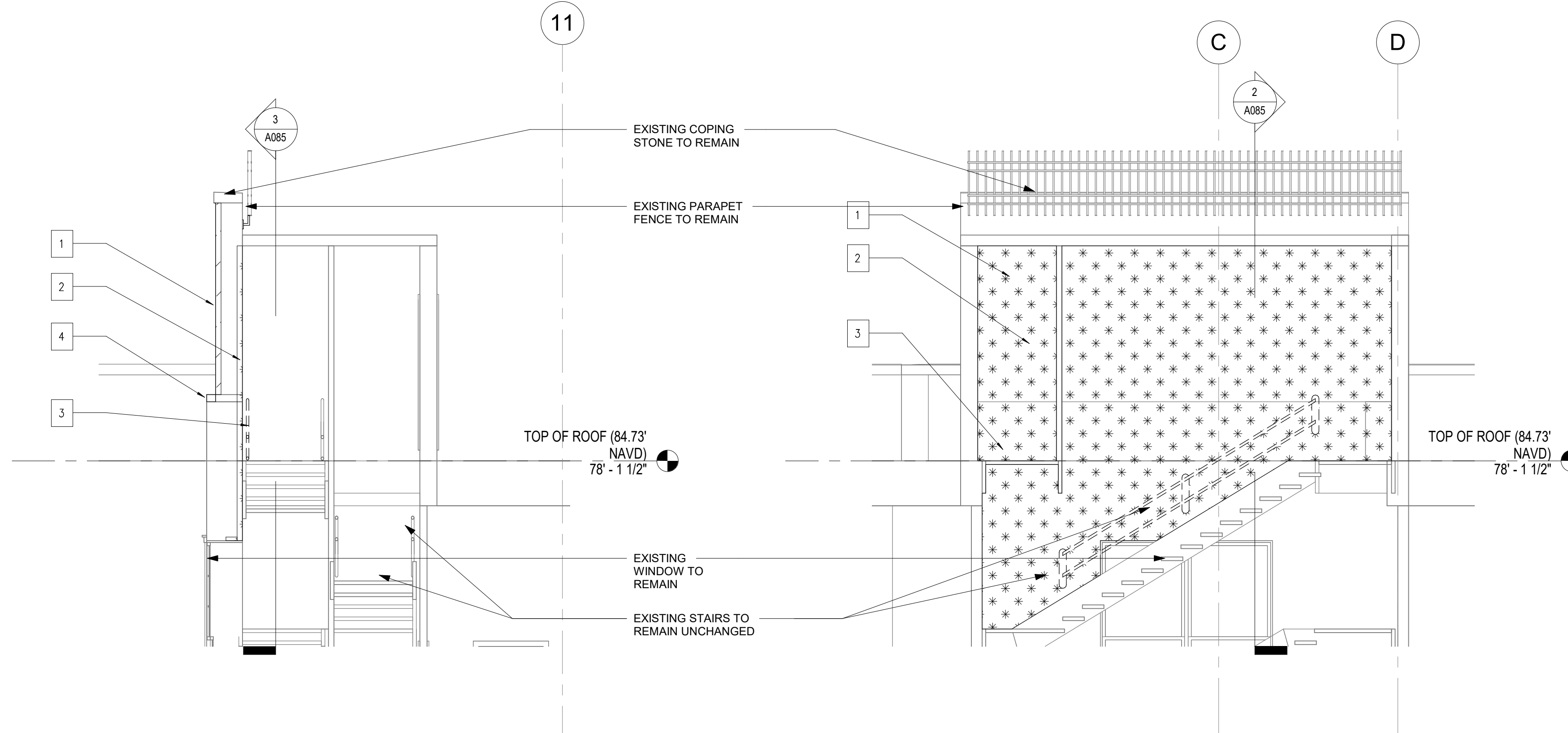
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- REMOVE EXISTING FACE BRICK
- REMOVE EXISTING HANDRAIL
- REMOVE DAMAGED PLASTER AT EXISTING WALL

DEMO ELEVATION LEGEND

- REMOVE EXISTING FACE BRICK
- REMOVE EXISTING PLASTER
- REMOVE EXISTING STONE COPING

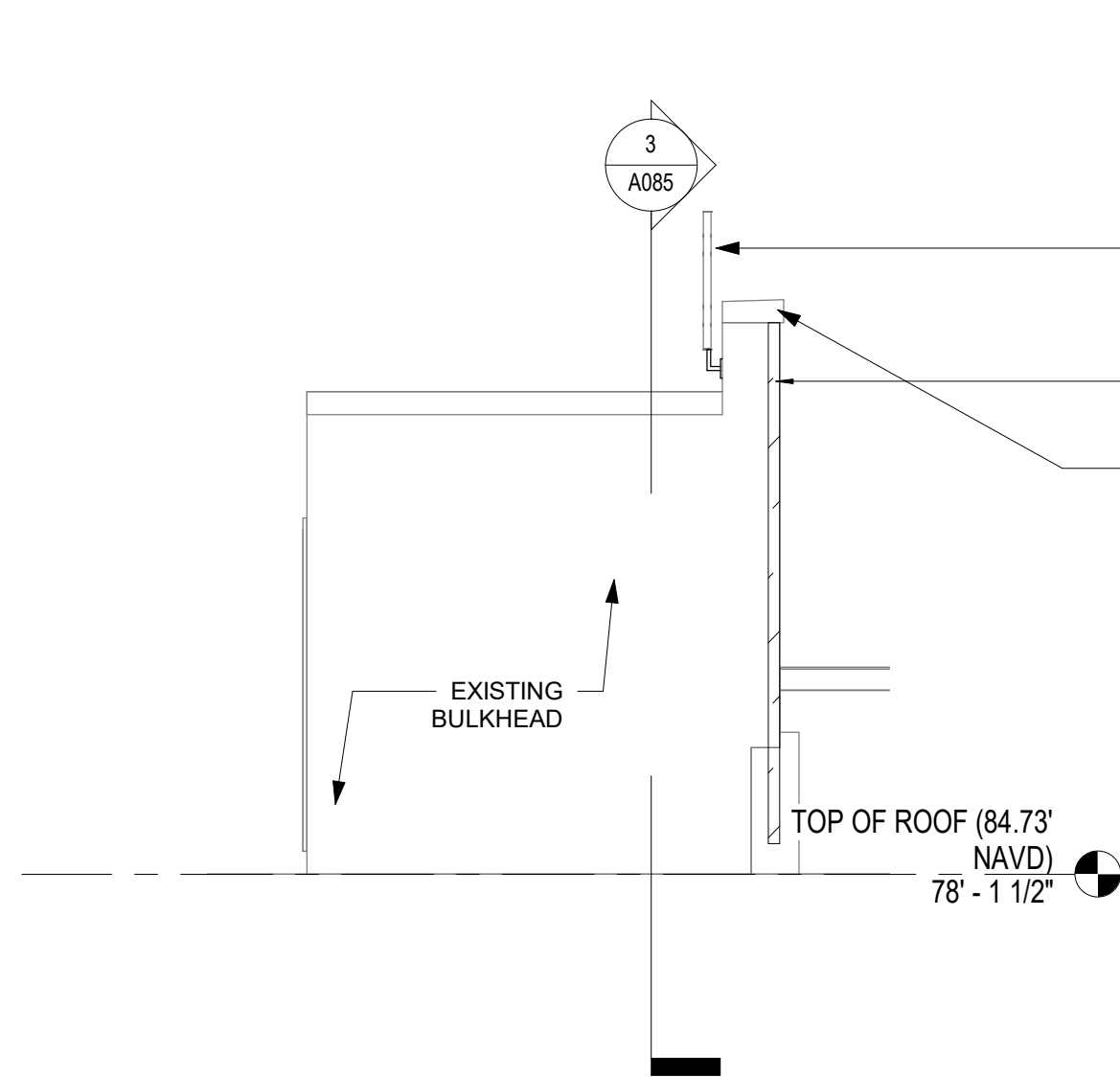
DEMO KEYNOTES

- 1 REMOVE EXISTING FACE BRICK
- 2 REMOVE EXISTING PLASTER
- 3 REMOVE EXISTING HANDRAIL
- 4 REMOVE EXISTING STONE COPING

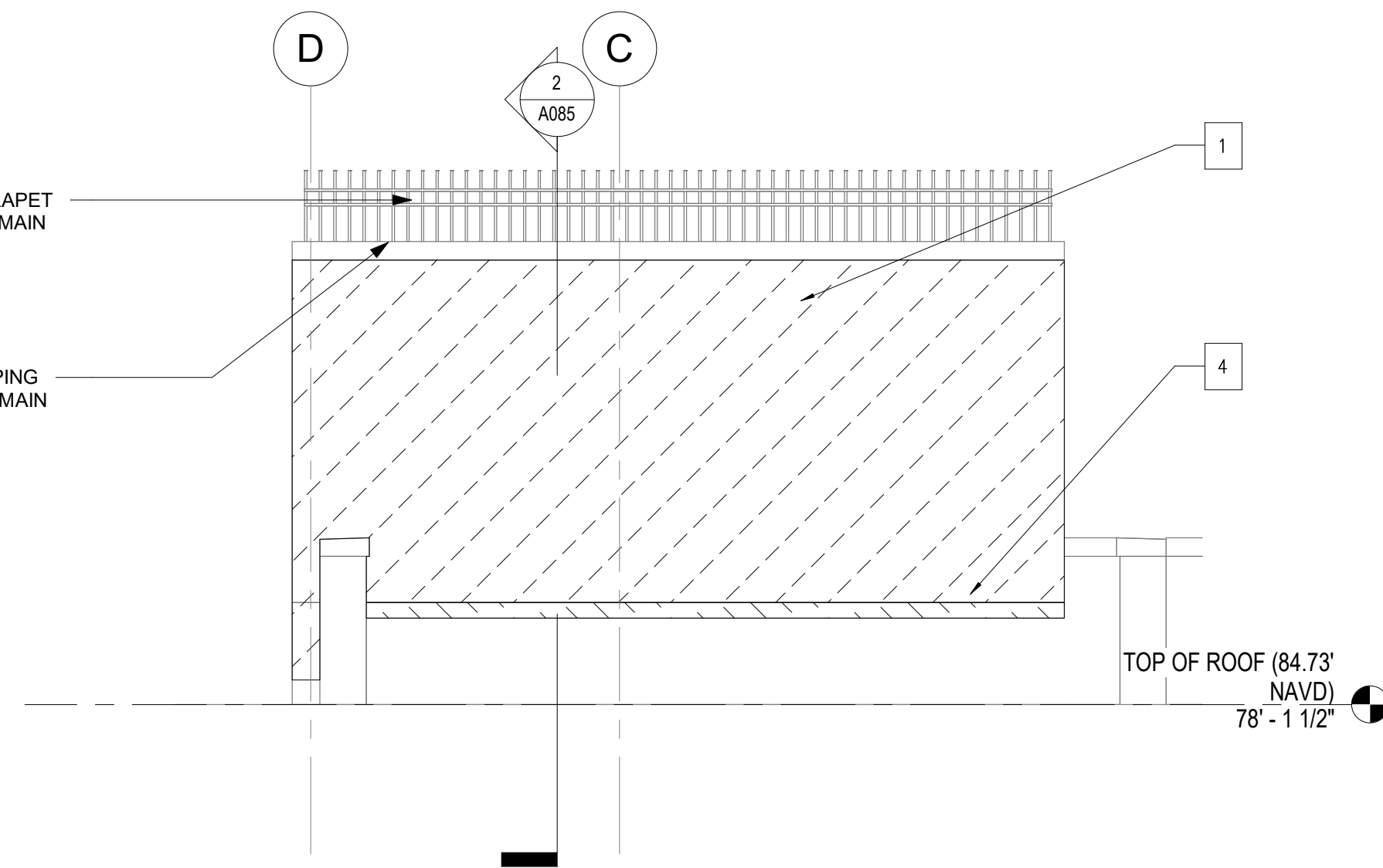


2 SECTION 1 THROUGH NORTH BULKHEAD  
SELECTIVE DEMOLITION  
A085 SCALE: 1/4" = 1'-0"

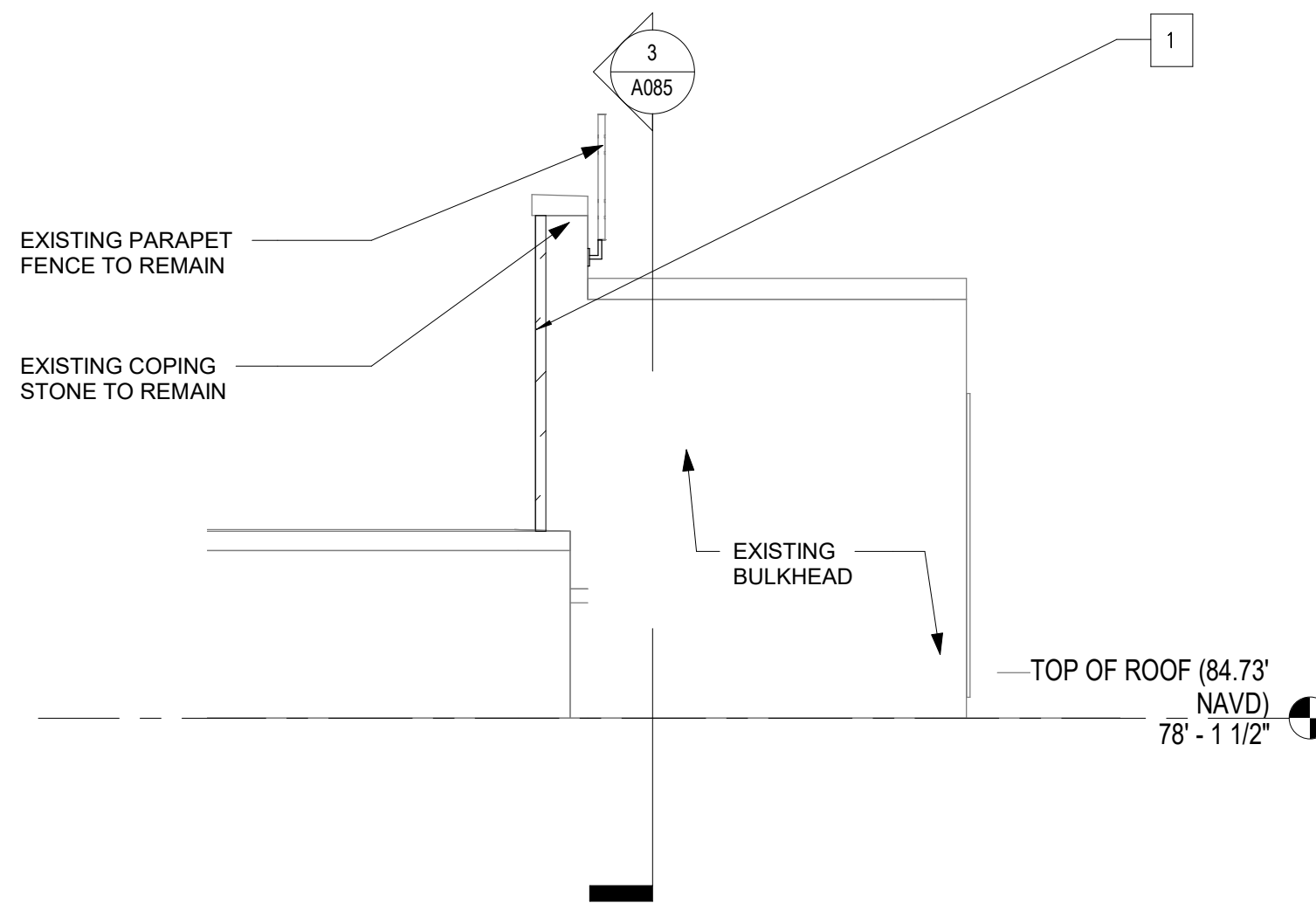
3 SECTION 2 THROUGH NORTH BULKHEAD  
SELECTIVE DEMOLITION  
A085 SCALE: 1/4" = 1'-0"



4 NORTH BULKHEAD -  
EAST ELEVATION SELECTIVE DEMOLITION  
A085 SCALE: 1/4" = 1'-0"



5 NORTH BULKHEAD -  
NORTH ELEVATION SELECTIVE DEMOLITION  
A085 SCALE: 1/4" = 1'-0"



6 NORTH BULKHEAD -  
WEST ELEVATION SELECTIVE DEMOLITION  
A085 SCALE: 1/4" = 1'-0"

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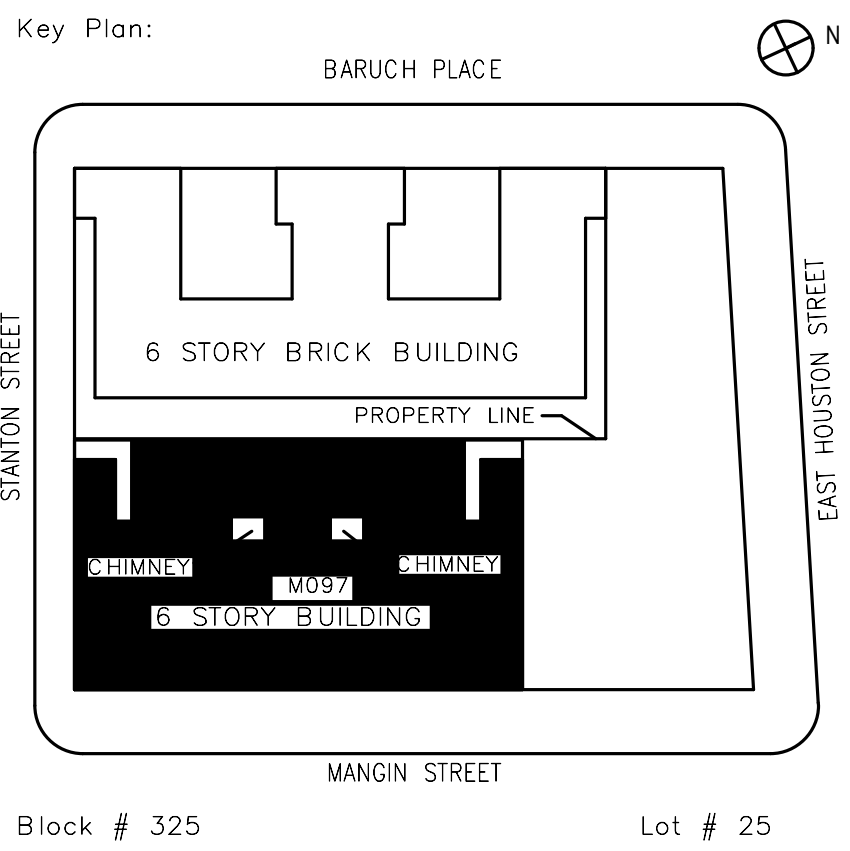
Ysrael A. Seinuk  
Structural Consultant  
228 East 49th Street / New York, NY 10017  
P 212.687.2233 / F 646.487.5555

NOTE: Drawing may be printed at reduced scale

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05/09/2023 ISSUED FOR BID

No.	Date	Revision
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SCA Design Manager:	NASER HAMOUEH, P.E.	
Project Architect/Engineer:	JEFFREY RABINER, PE	
Discipline Lead:	JOHN HIGGINS, PE	
Designer:	GREGORY HERMAN	
Drawn by:	G. HERMAN / M. VARONA	
Checked by:	JOHN HIGGINS, PE	
Design No or LLW No:	Building ID:	Date:
D019998	M097	05/09/2023

Project:  
BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM

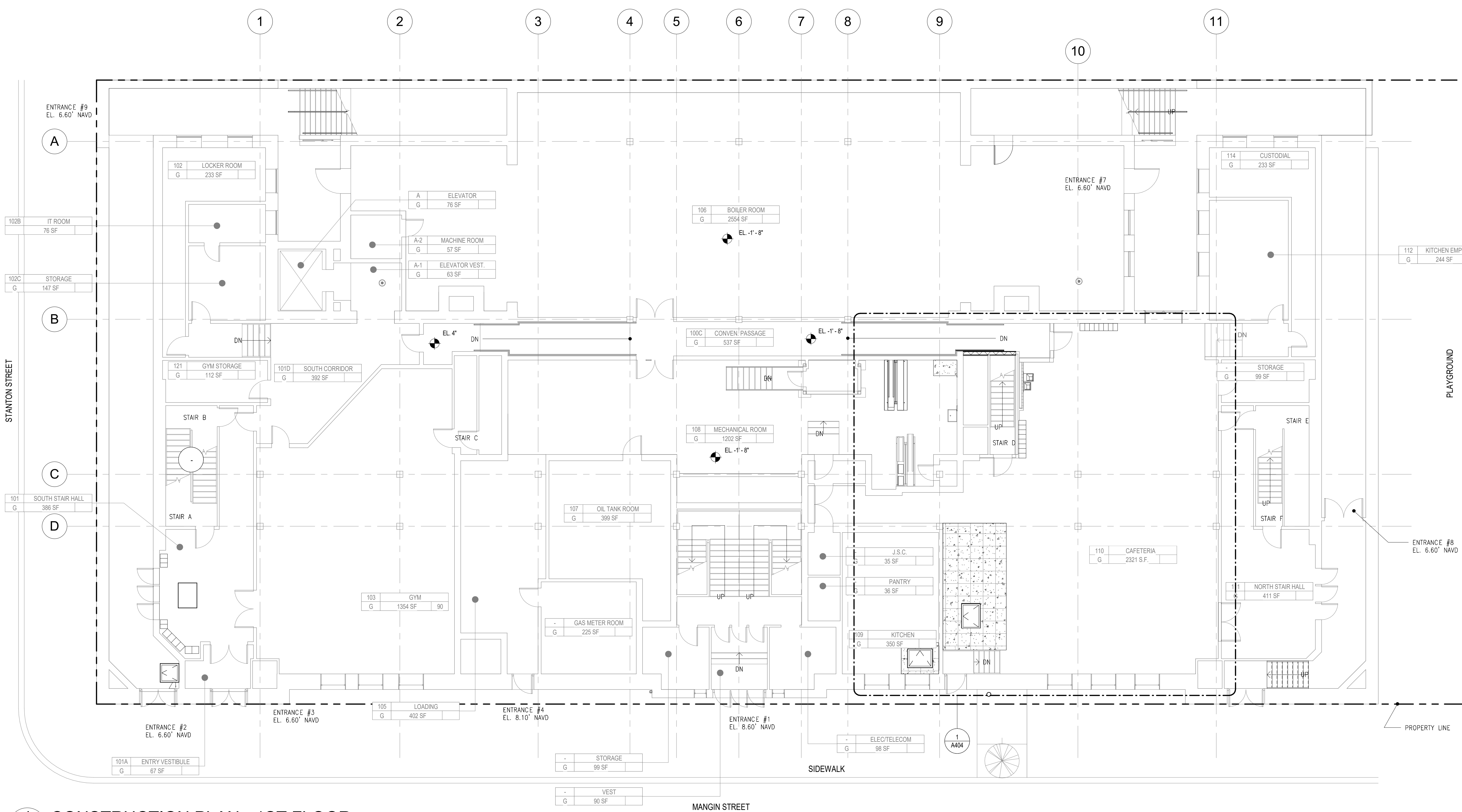
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525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
NORTH BULKHEAD SELECTIVE  
DEMOLITION

DOB NOW Job #M00660122-S1

Drawing No.:	A085.00
Sheets in Contract Set:	18 of 42
Sheets in DOB Set:	15 of 37





# 1 CONSTRUCTION PLAN - 1ST FLOOR

A101 SCALE: 1/8" = 1'-0"

- CONSTRUCTION PLAN LEGEND**
- PROVIDE REINFORCED CONCRETE SLAB, SEE STRUCTURAL DRAWINGS FOR THICKNESS AND DETAILS
  - PROVIDE SELF-LEVELING UNDERLAYMENT AND VCT FLOORING
  - PROVIDE CMU PARTITION, SEE PARTITION TYPES
  - NEW PENETRATIONS FOR PLUMBING PIPING, SEE PLUMBING DRAWINGS FOR LOCATION AND SIZE, SEE PENETRATION DETAIL 2/A404.00

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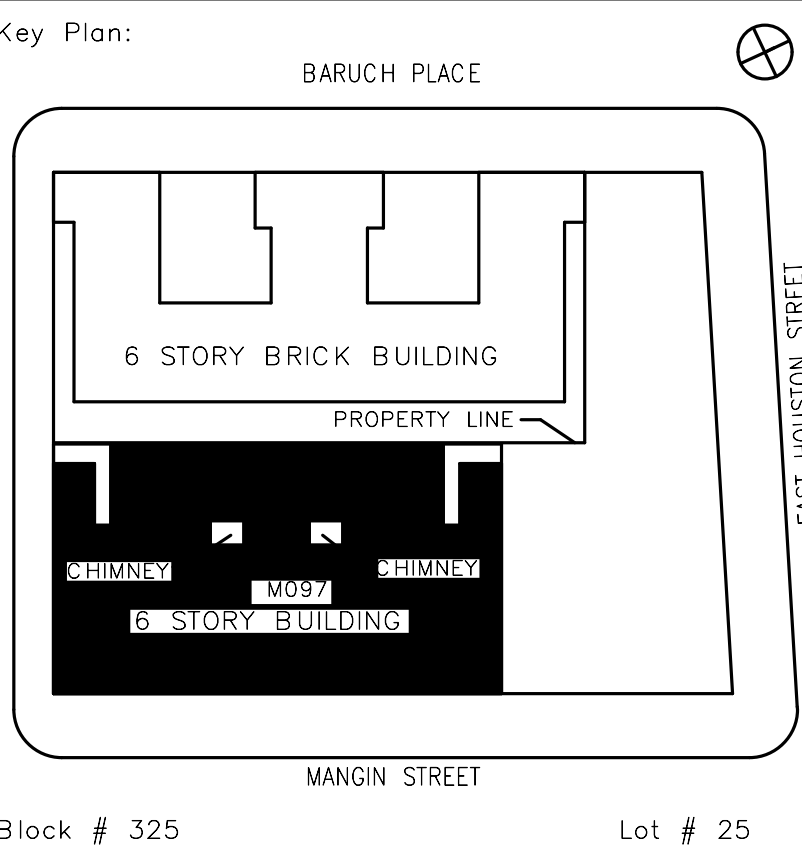
**Ysrael A. Seinuk Structural Consultant**  
228 East 49th Street / New York, NY 10017  
P 212.687.2233 / F 646.487.5555

NOTE: Drawing may be printed at reduced scale

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No.	Date	Revision
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SCA Design Manager:	NASER HAMOUEH, P.E.	
Project Architect/Engineer:	JEFFREY RABINER, PE	
Discipline Lead:	JOHN HIGGINS, PE	
Designer:	GREGORY HERMAN	
Drawn by:	G. HERMAN / M. VARONA	
Checked by:	JOHN HIGGINS, PE	
Design No or LLW No.	Building ID:	Date:
D019998	M097	05/09/2023

Project:  
**BARD COLLEGE HS, MANHATTAN WASTE SYSTEM**

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
**CONSTRUCTION PLAN - 1ST FLOOR**

DOB NOW Job #M00660122-S1

Drawing No.:	<b>A101.00</b>
Sheets in Contract Set:	19 of 42
Sheets in DOB Set:	16 of 37

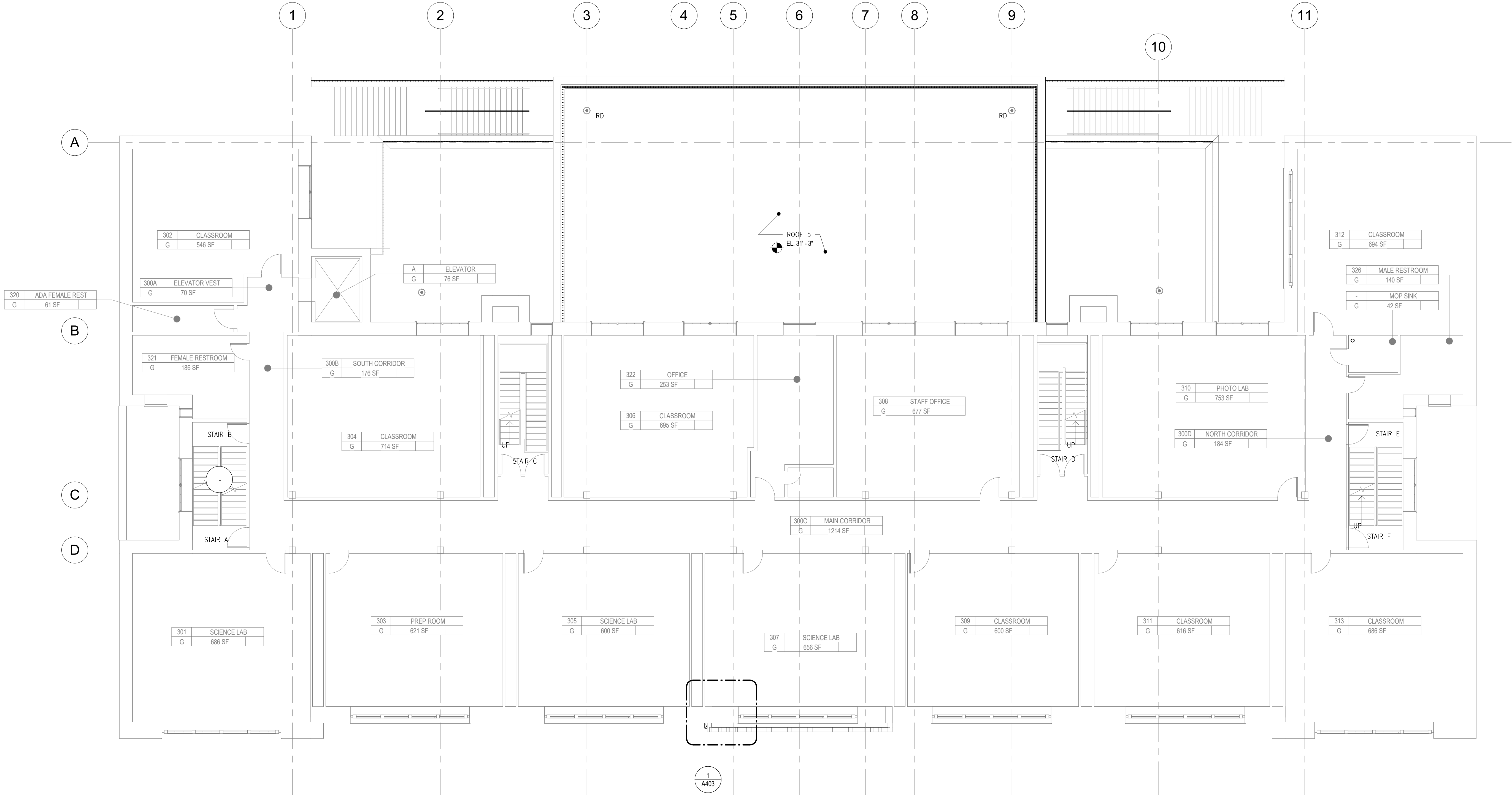




	Drawing No.:	A102.00
	Sheets in Contract Set:	20 of 42
	Sheets in DOB Set:	17 of 37

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# 1 CONSTRUCTION PLAN - 3RD FLOOR

A103 SCALE: 1/8" = 1'-0"

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Design Consultant Management Studio  
Alleen del Prado, P.E. LEED AP BD+C, Senior Director

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P 212.242.3735 / F 212.242.7460

Ysrael A. Seinuk  
Structural Consultant  
228 East 45th Street / New York, NY 10017  
P 212.687.2233 / F 646.487.5555

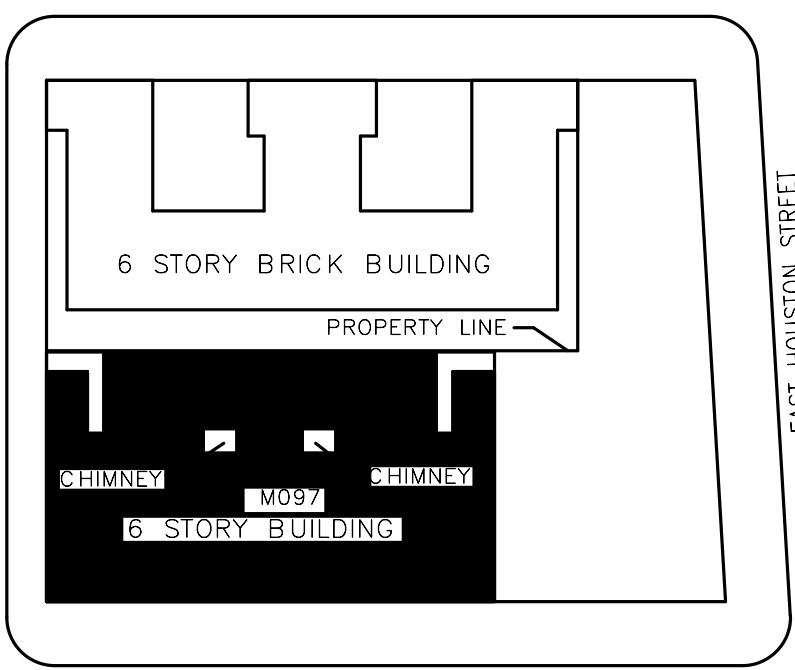
NOTE: Drawing may be printed at reduced scale

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05/09/2023 ISSUED FOR BID

No. Date Revision

Key Plan:



Block # 325 Lot # 25

SCA Design Manager:	NASER HAMOUEDEH, P.E.	
Project Architect/Engineer:	JEFFREY RABINER, PE	
Discipline Lead:	JOHN HIGGINS, PE	
Designer:	GREGORY HERMAN	
Drawn by:	G. HERMAN / M. VARONA	
Checked by:	JOHN HIGGINS, PE	
Design No or LLW No.: D019998	Building ID: M097	Date: 05/09/2023

Project:  
BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM

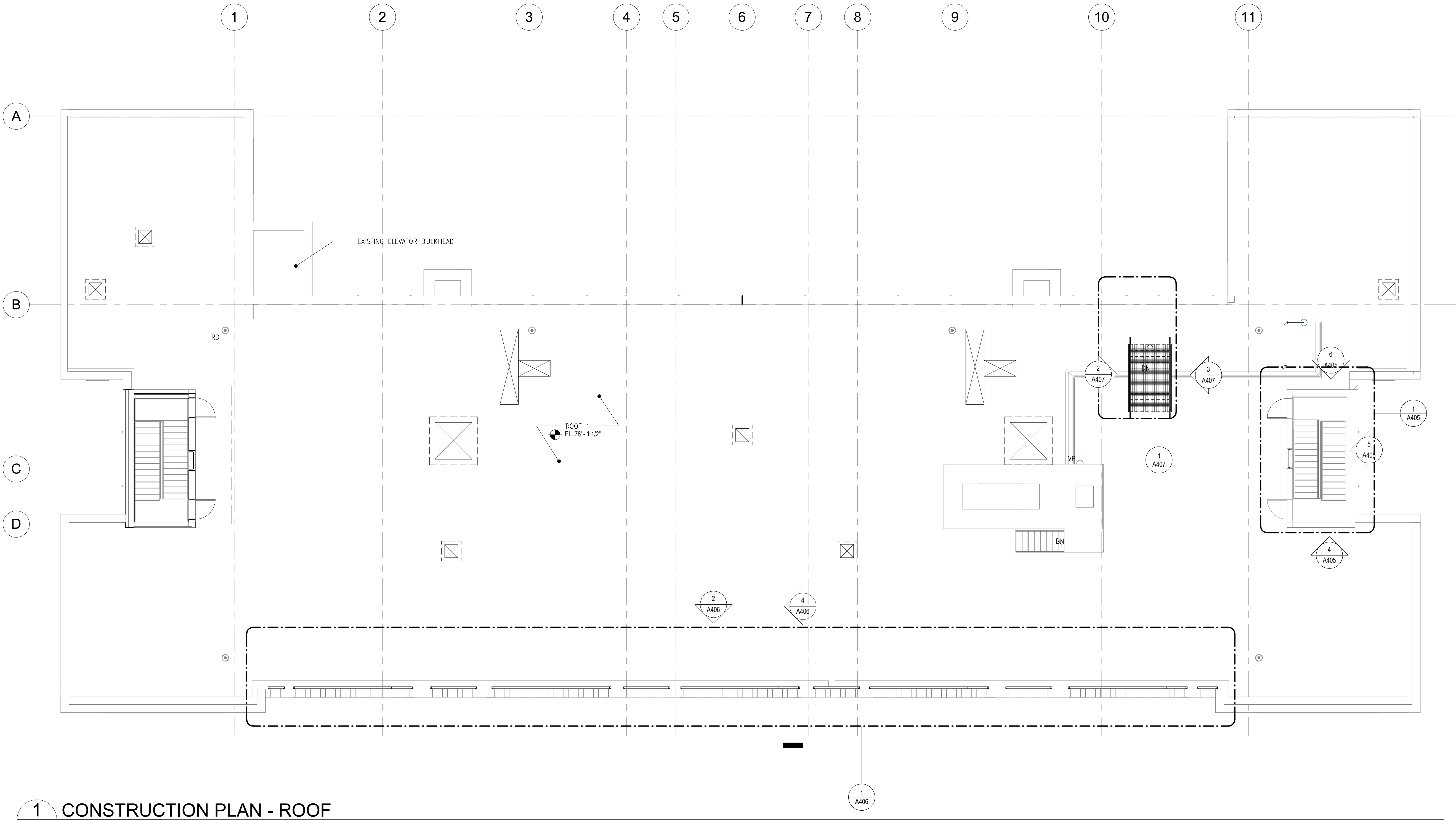
Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
CONSTRUCTION PLAN - 3RD  
FLOOR

DOB NOW Job #M00660122-S1

Drawing No.:	A103.00
Sheets in Contract Set:	21 of 42
Sheets in DOB Set:	18 of 37





**1 CONSTRUCTION PLAN - ROOF**  
A104 SCALE: 1/8" = 1'-0"

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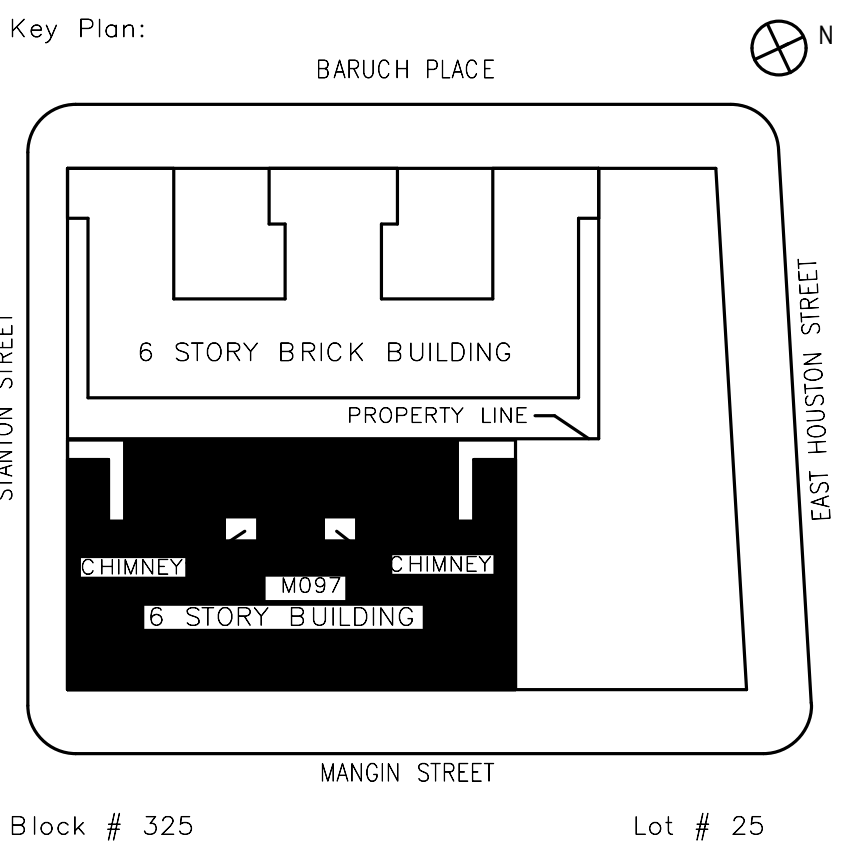
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**Ysrael A. Seinuk Structural Consultant**  
228 East 45th Street / New York, NY 10017  
P 212.687.2233 / F 646.487.5555

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SCA Design Manager:	NASER HAMOUEDEH, P.E.	
Project Architect/Engineer:	JEFFREY RABINER, PE	
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Designer:	GREGORY HERMAN	
Drawn by:	G. HERMAN / M. VARONA	
Checked by:	JOHN HIGGINS, PE	
Design No or LLW No.:	Building ID:	Date:
D019998	M097	05/09/2023

Project:  
**BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM**

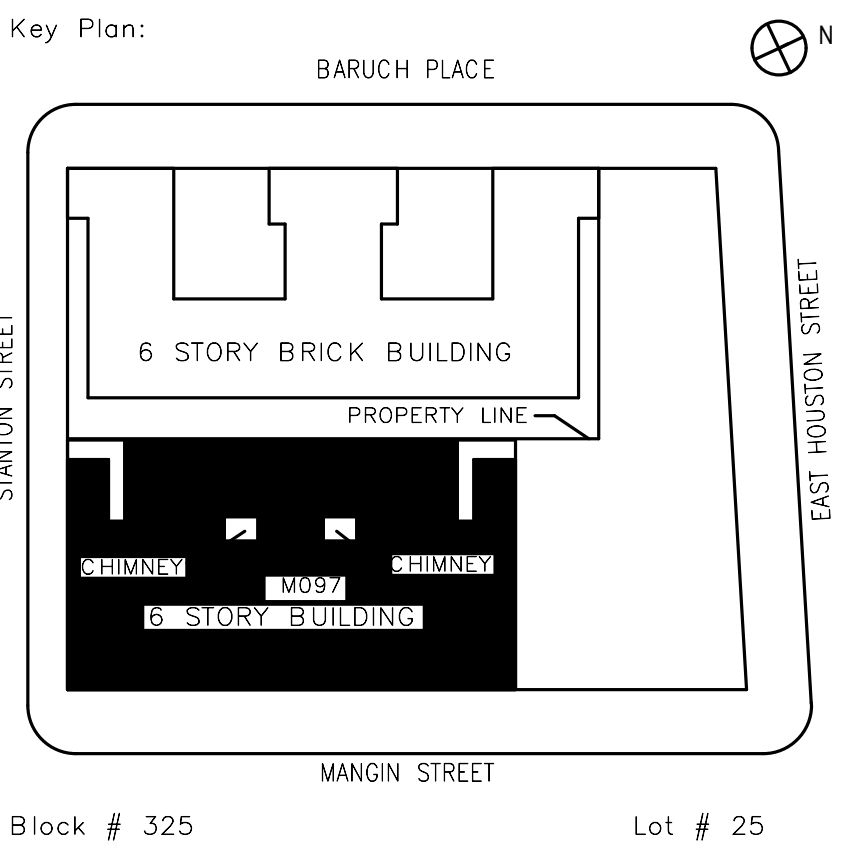
Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
**CONSTRUCTION PLAN - ROOF**

DOB NOW Job #M00660122-S1

Drawing No.:	<b>A104.00</b>
Sheets in Contract Set:	22 of 42
Sheets in DOB Set:	19 of 37





SCA Design Manager:		NASER HAMOUEH, P.E.	
Project Architect/Engineer:		JEFFREY RABINER, PE	
Discipline Lead:		JOHN HIGGINS, PE	
Designer:		GREGORY HERMAN	
Drawn by:		G. HERMAN / M. VARONA	
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Design No or LLW No.:	Building ID:	Date:	
D019998	M097	05/09/2023	

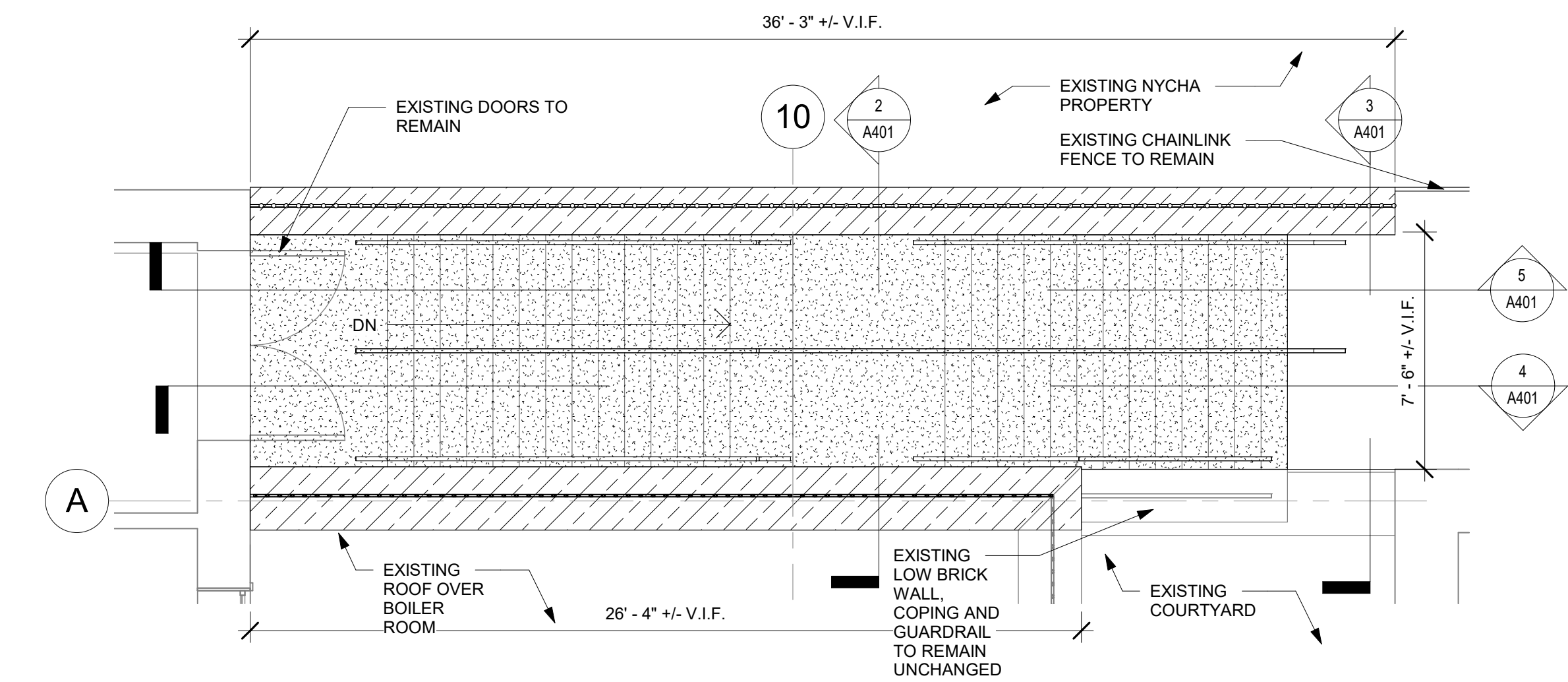
Project:  
**BARD COLLEGE HS, MANHATTAN WASTE SYSTEM**

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
**NORTH REAR EGRESS STAIR REPAIR WORK**

DOB NOW Job #M00660122-S1

Drawing No.:	<b>A401.00</b>
Sheets in Contract Set:	23 of 42
Sheets in DOB Set:	20 of 37



**1 NORTH EGRESS STAIR CONSTRUCTION PLAN**  
A401 SCALE: 1/4" = 1'-0"

CONSTRUCTION PLAN LEGEND

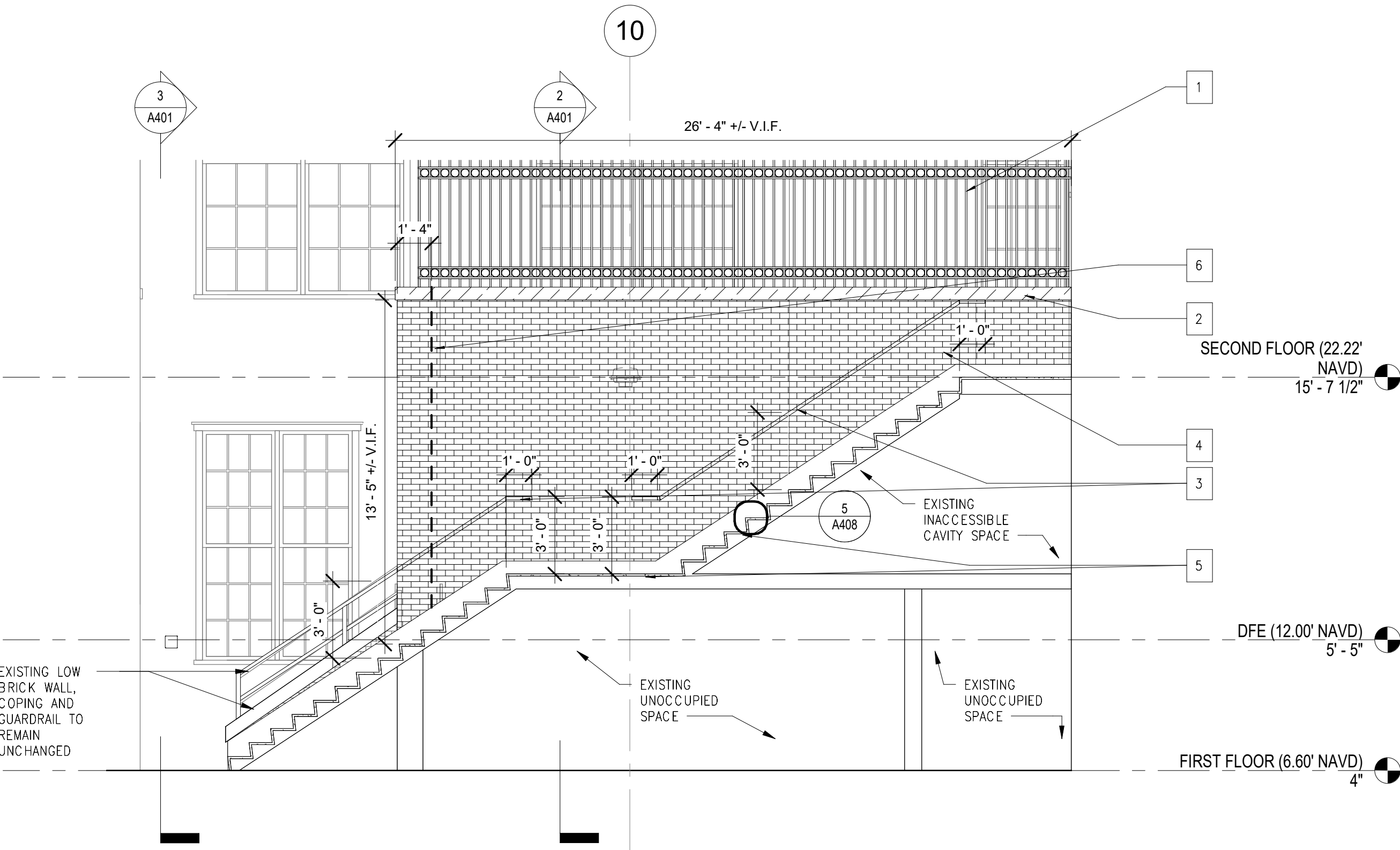
- COPING REPLACEMENT, SEE DETAIL 5/A408.00
- INSTALL NEW KEMPER WATERPROOF MEMBRANE, SEE DETAIL 6 & 7 A408.00
- INSTALL NEW HANDRAILS, SEE DETAIL 8/A408.00
- INSTALL REPAINTED AND REPAIRED WROUGHT IRON FENCE

CONSTRUCTION ELEVATION LEGEND

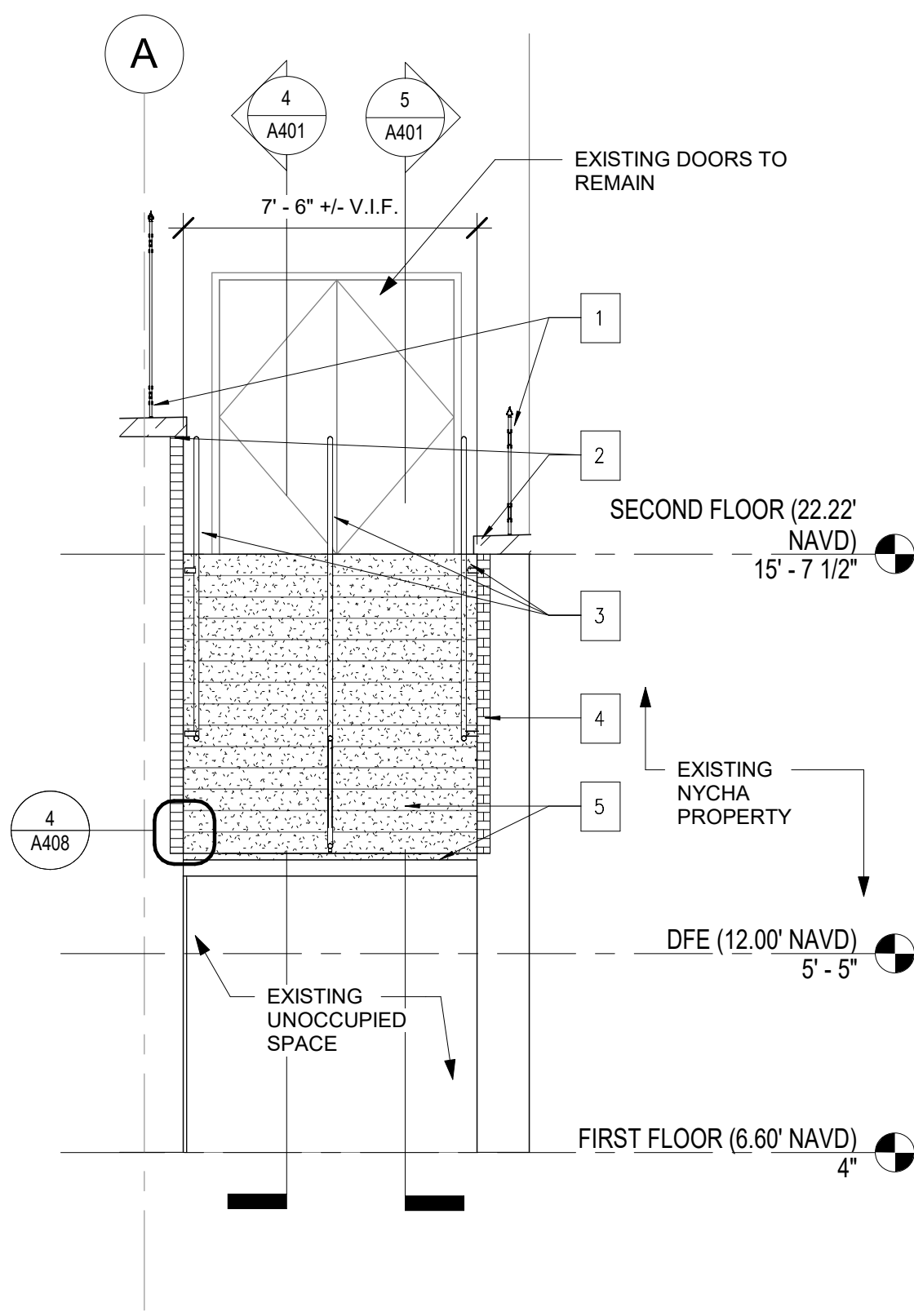
- PROVIDE NEW FACE BRICK TO MATCH EXISTING, SEE DETAIL 1/A408.00
- COPING REPLACEMENT, SEE DETAIL 5/A408.00
- INSTALL NEW KEMPER WATERPROOF MEMBRANE, SEE DETAIL 6 & 7 A408.00

CONSTRUCTION KEYNOTES

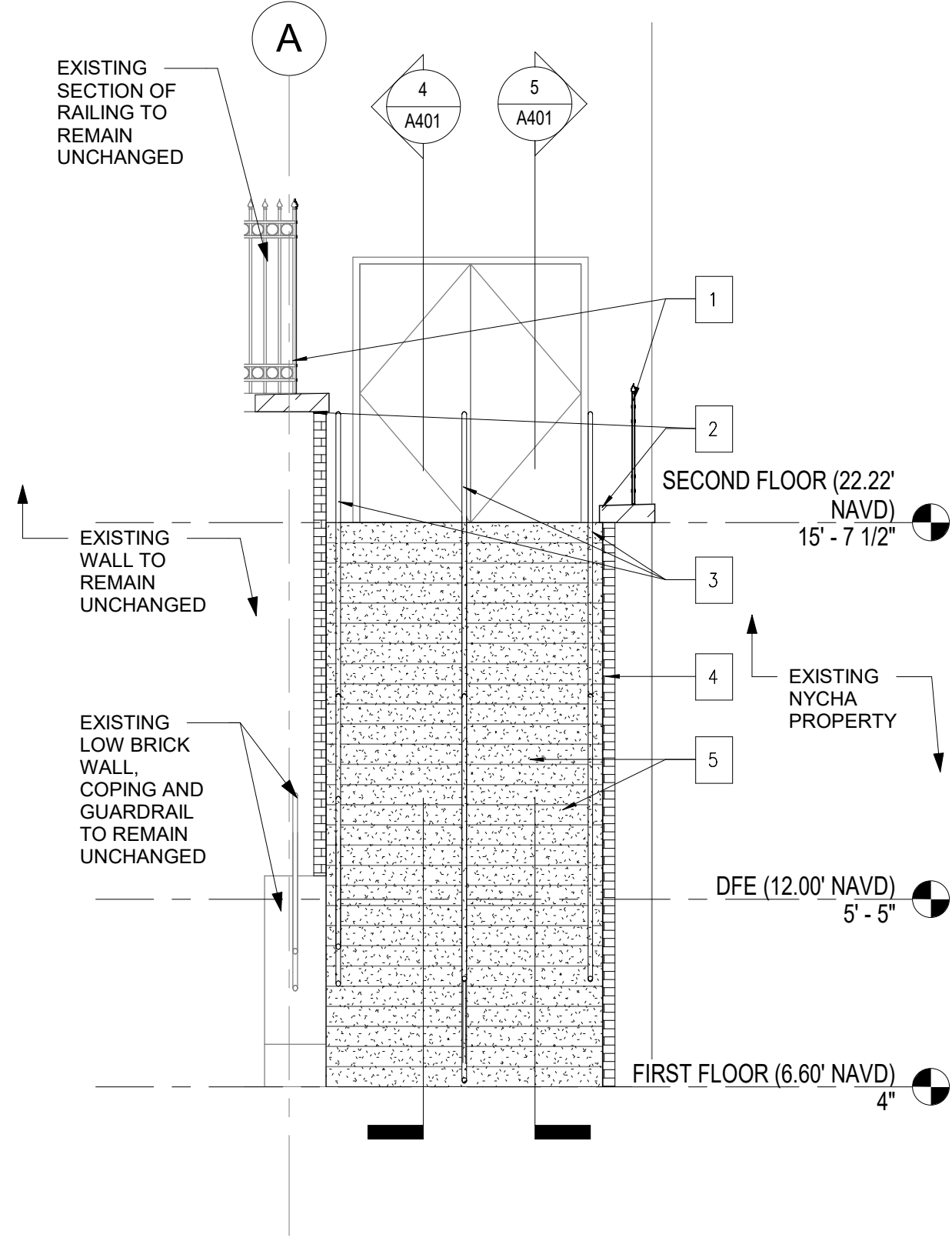
- INSTALL REPAINTED AND REPAIRED WROUGHT IRON FENCE
- COPING REPLACEMENT
- INSTALL NEW HANDRAILS, SEE DETAIL 8/A408.00
- PROVIDE NEW FACE BRICK
- INSTALL NEW KEMPER WATERPROOF MEMBRANE, SEE DETAIL 6 & 7 A408.00
- PROVIDE NEW VERTICAL EXPANSION JOINT, SEE DETAIL 2/A408.00.



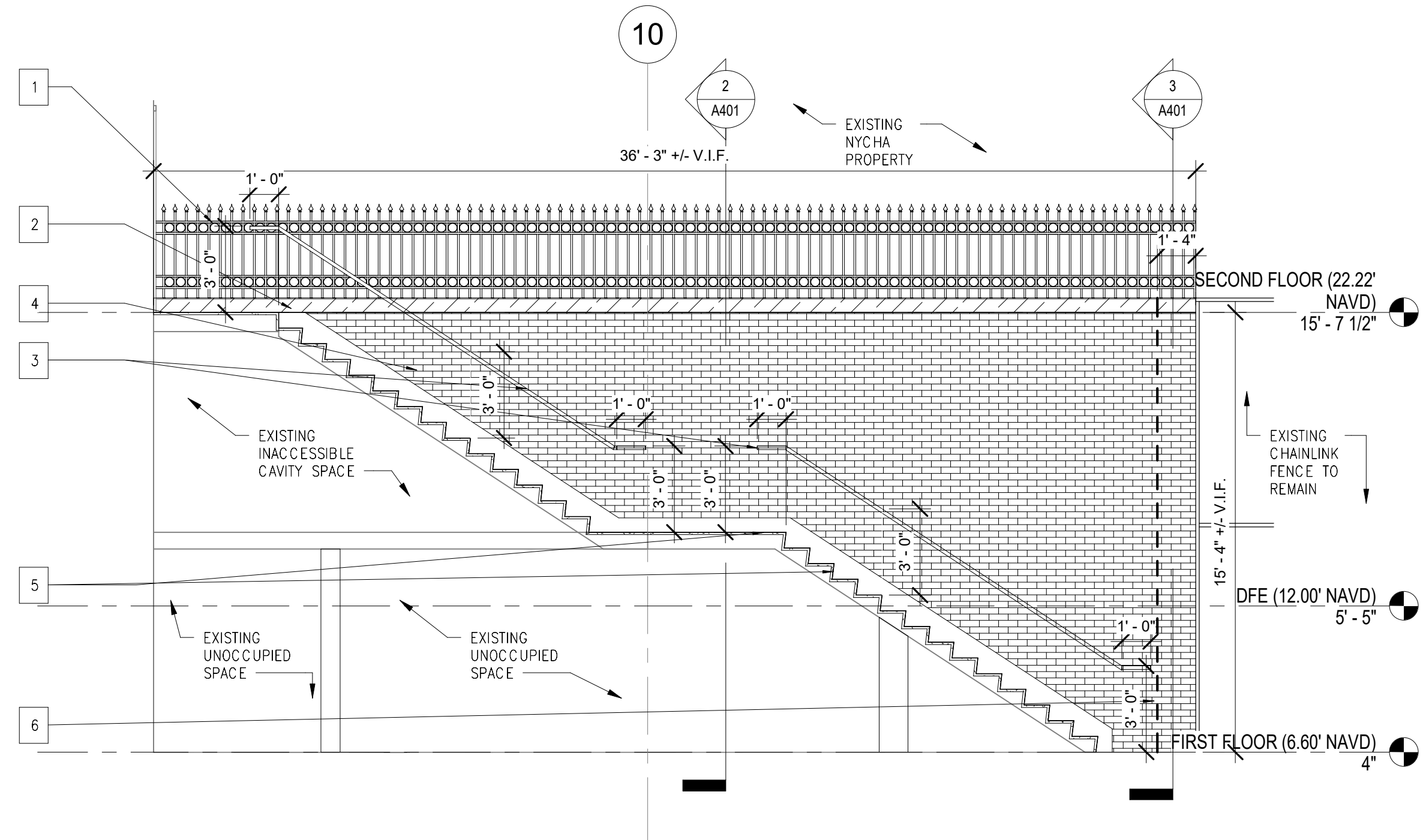
**4 NORTH EGRESS STAIR CONSTRUCTION SECTION 3**  
A401 SCALE: 1/4" = 1'-0"



**2 NORTH EGRESS STAIR CONSTRUCTION SECTION 1**  
A401 SCALE: 1/4" = 1'-0"

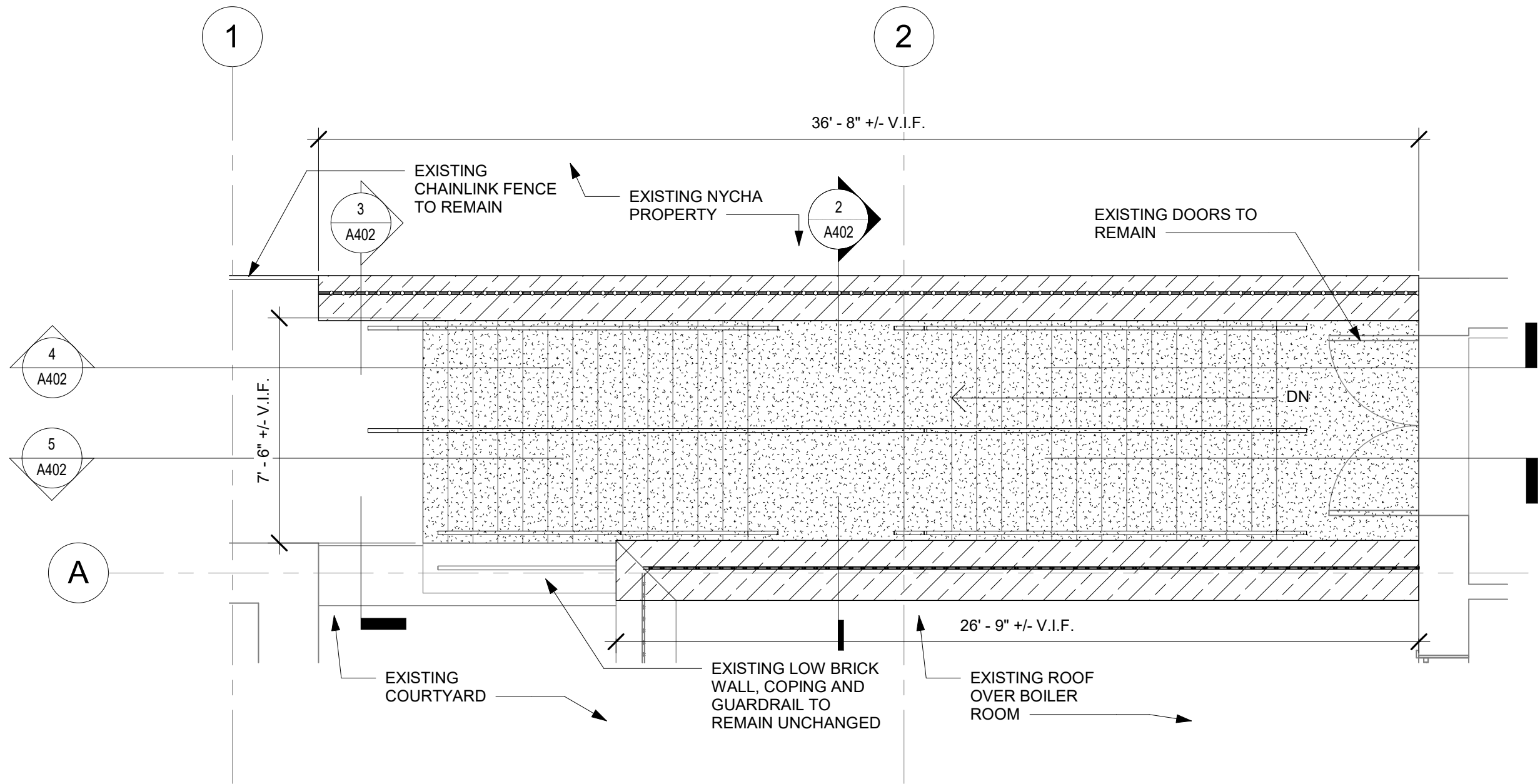


**3 NORTH EGRESS STAIR CONSTRUCTION SECTION 2**  
A401 SCALE: 1/4" = 1'-0"



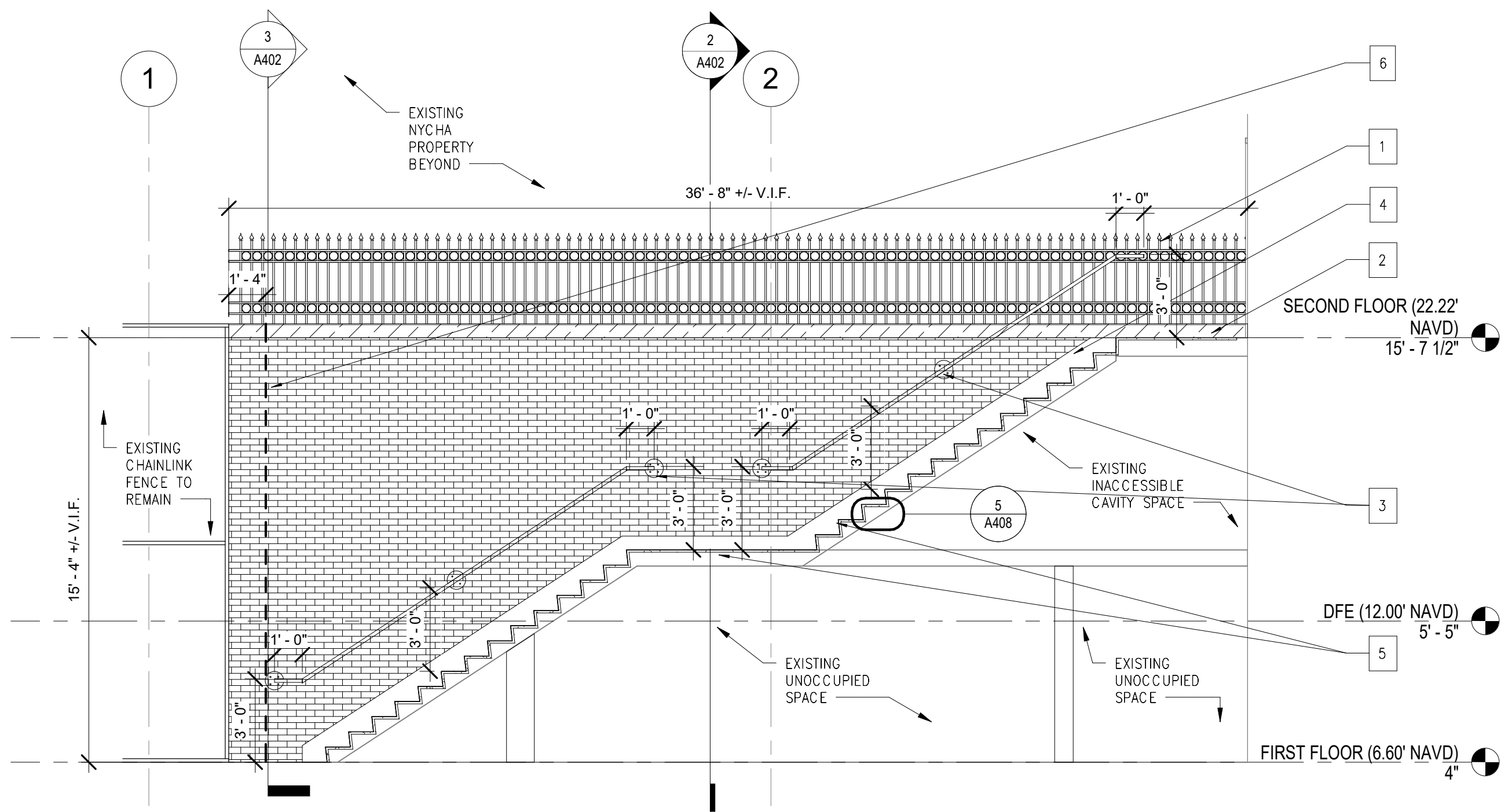
**5 NORTH EGRESS STAIR CONSTRUCTION SECTION 4**  
A401 SCALE: 1/4" = 1'-0"



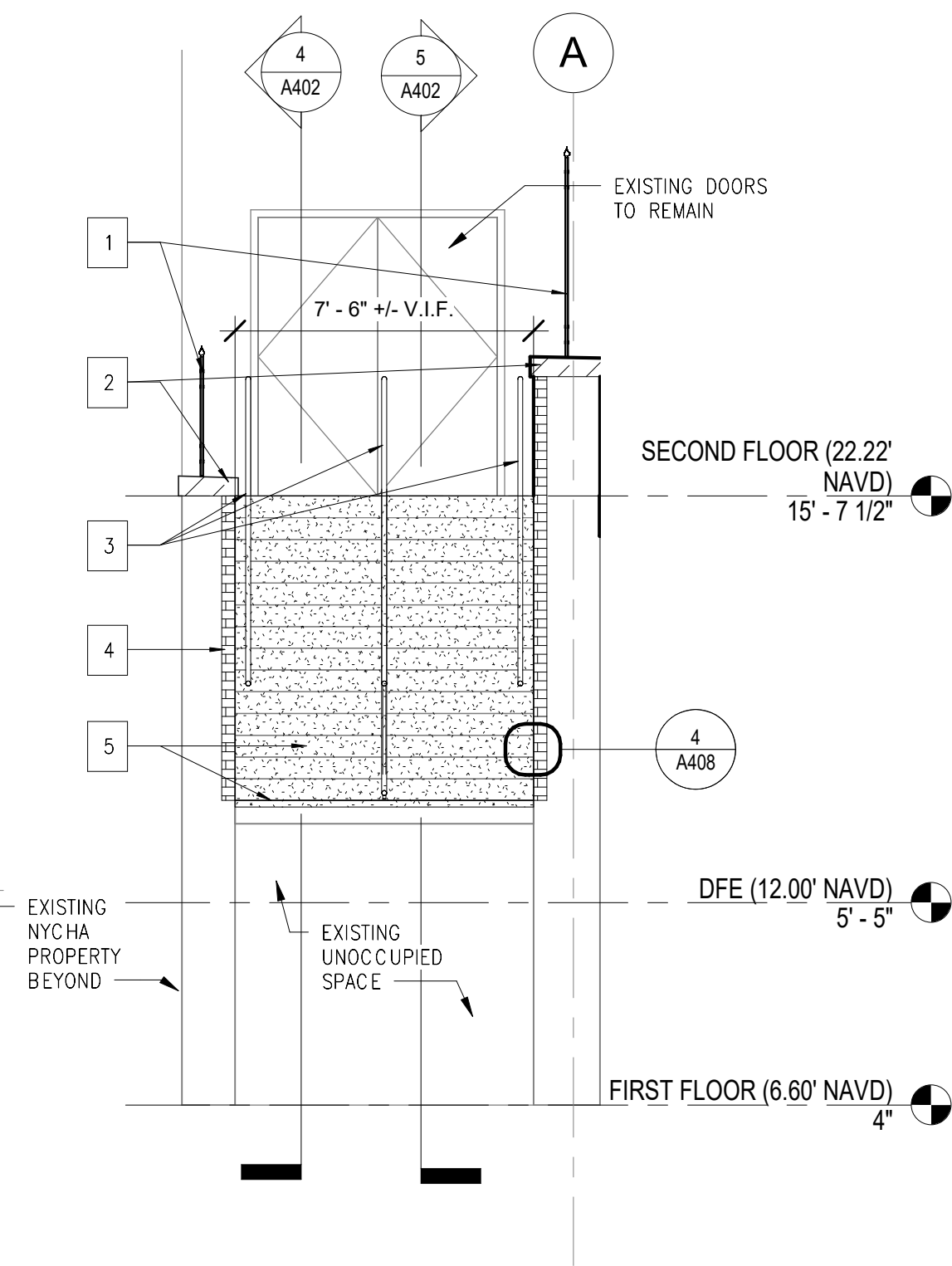


**1 SOUTH EGRESS STAIR CONSTRUCTION PLAN**  
A402 SCALE: 1/4" = 1'-0"

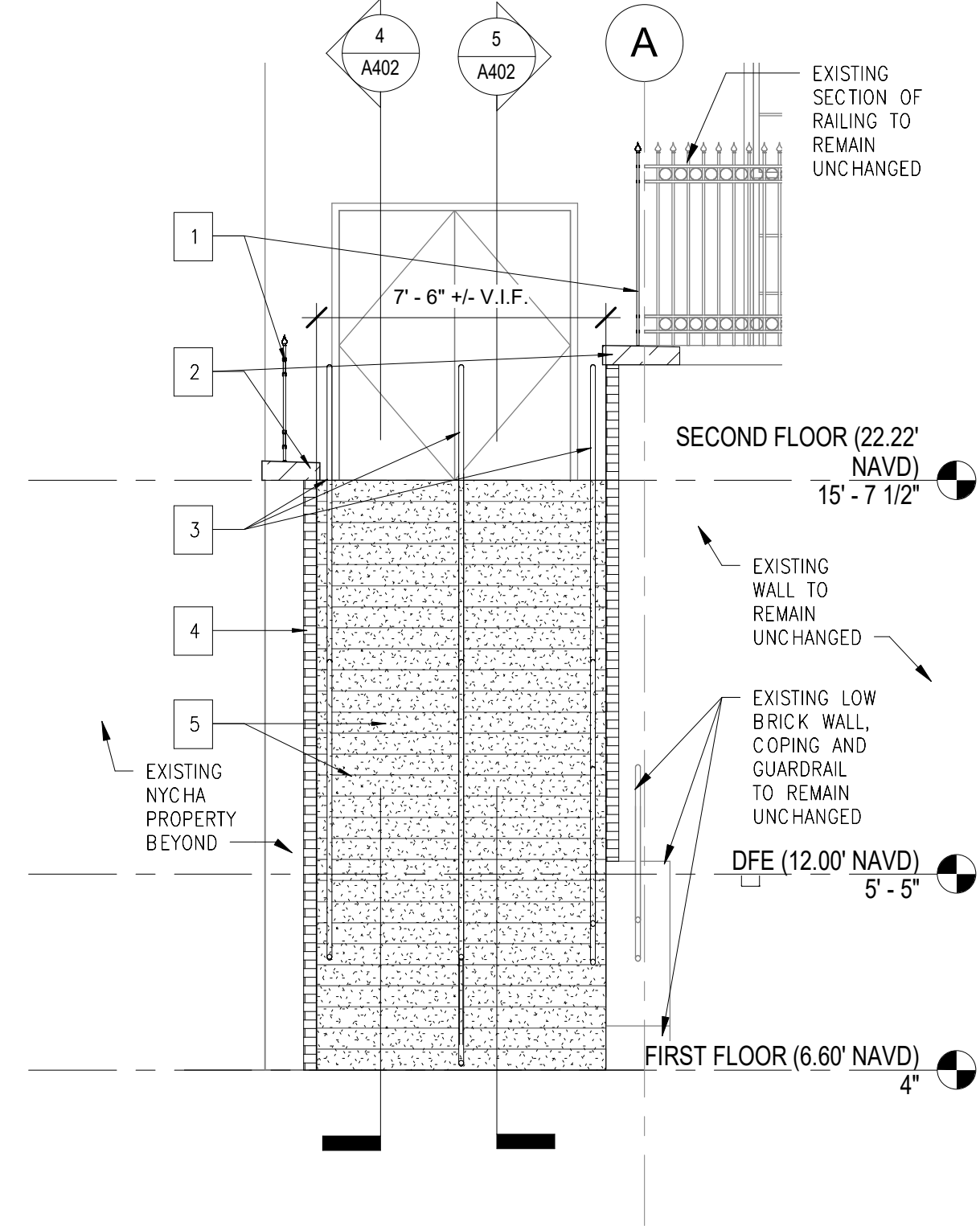
CONSTRUCTION PLAN LEGEND		CONSTRUCTION ELEVATION LEGEND		CONSTRUCTION KEYNOTES	
	COPING REPLACEMENT, SEE DETAIL 5/A408.00		PROVIDE NEW FACE BRICK TO MATCH EXISTING, SEE DETAIL 1/A408.00	1	INSTALL REPAINTED AND REPAIRED WROUGHT IRON FENCE
	INSTALL NEW KEMPER WATERPROOF MEMBRANE, SEE DETAIL 6 & 7 A408.00		COPING REPLACEMENT, SEE DETAIL 5/A408.00	2	COPING REPLACEMENT
	INSTALL NEW HANDRAILS, SEE DETAIL 8/A408.00		INSTALL NEW KEMPER WATERPROOF MEMBRANE, SEE DETAIL 6 & 7 A408.00	3	INSTALL NEW HANDRAILS, SEE DETAIL 8/A408.00
	INSTALL REPAINTED AND REPAIRED WROUGHT IRON FENCE			4	PROVIDE NEW FACE BRICK
				5	INSTALL NEW KEMPER WATERPROOF MEMBRANE, SEE DETAIL 6 & 7 A408.00
				6	PROVIDE NEW VERTICAL EXPANSION JOINT, SEE DETAIL 2/A408.00



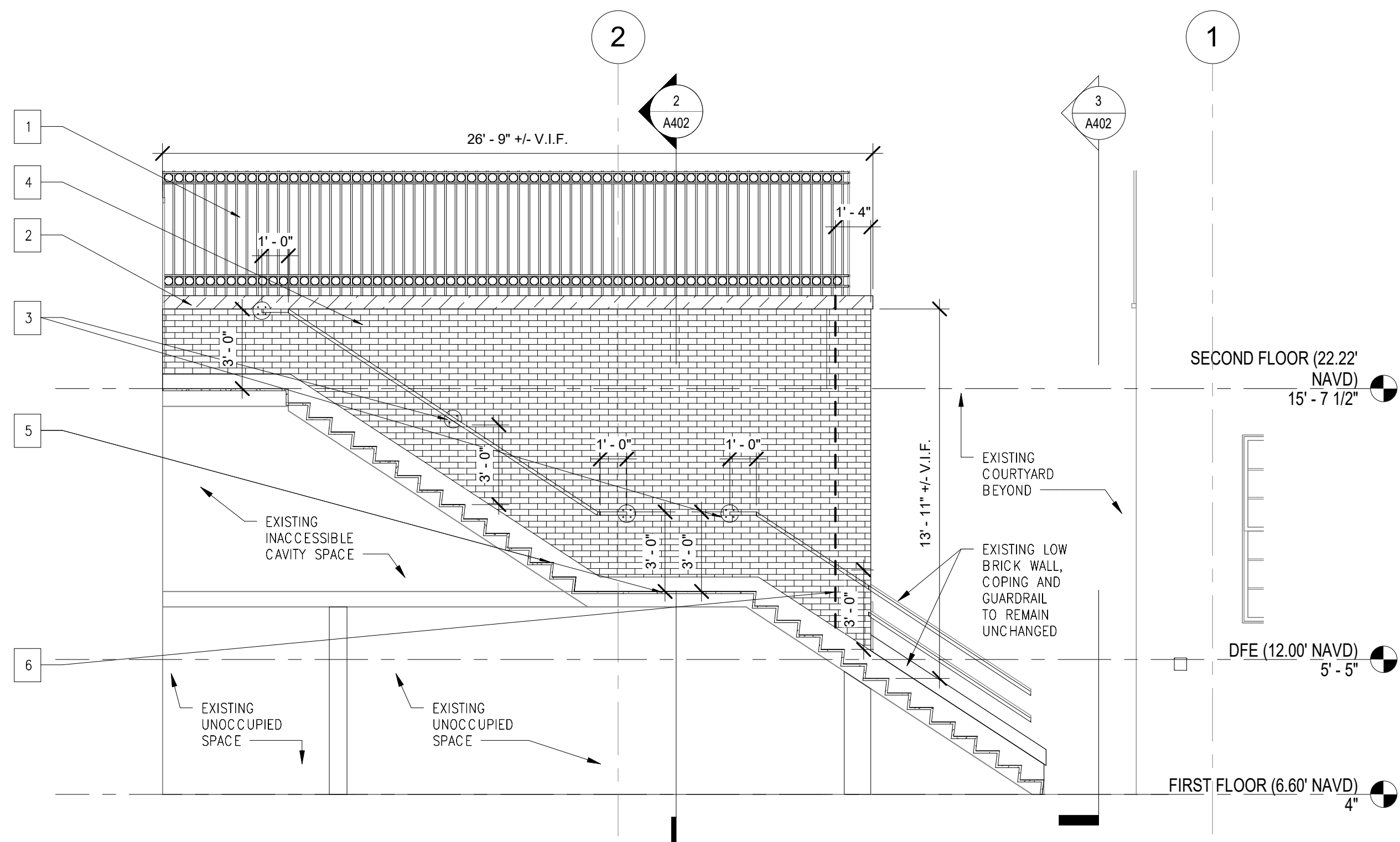
**4 SOUTH EGRESS STAIR CONSTRUCTION SECTION 3**  
A402 SCALE: 1/4" = 1'-0"



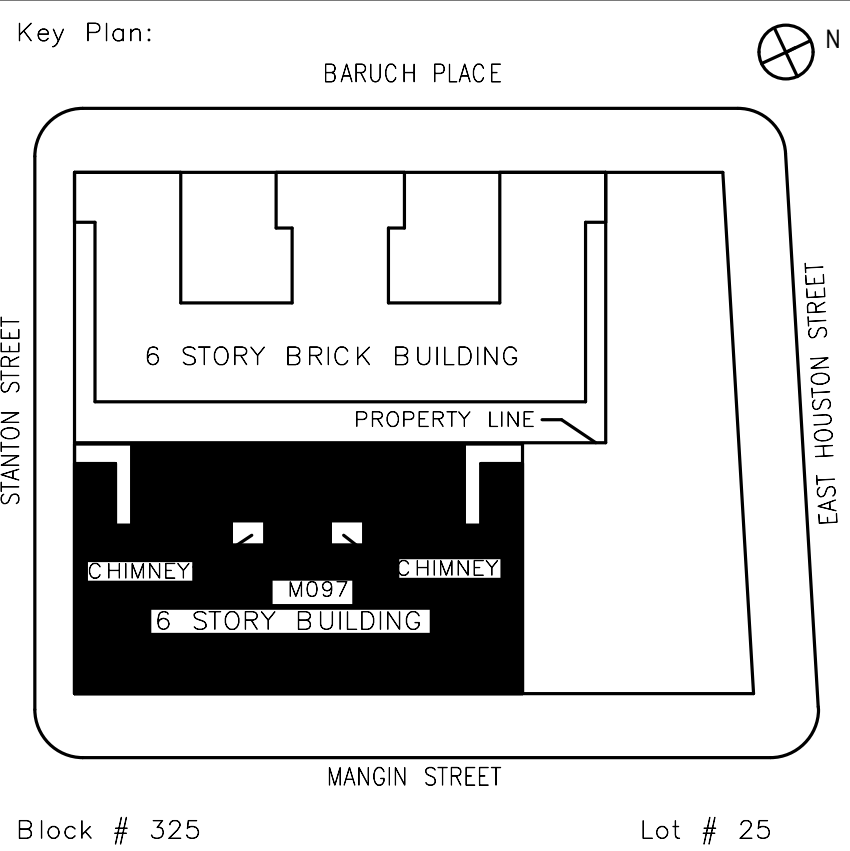
**2 SOUTH EGRESS STAIR CONSTRUCTION SECTION 1**  
A402 SCALE: 1/4" = 1'-0"



**3 SOUTH EGRESS STAIR CONSTRUCTION SECTION 2**  
A402 SCALE: 1/4" = 1'-0"



**5 SOUTH EGRESS STAIR CONSTRUCTION SECTION 4**  
A402 SCALE: 1/4" = 1'-0"



SCA Design Manager:	NASER HAMOUEDEH, P.E.		
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Design No or LLW No:	Building ID:	Date:	
D019998	M097	05/09/2023	

Project:  
**BARD COLLEGE HS, MANHATTAN WASTE SYSTEM**

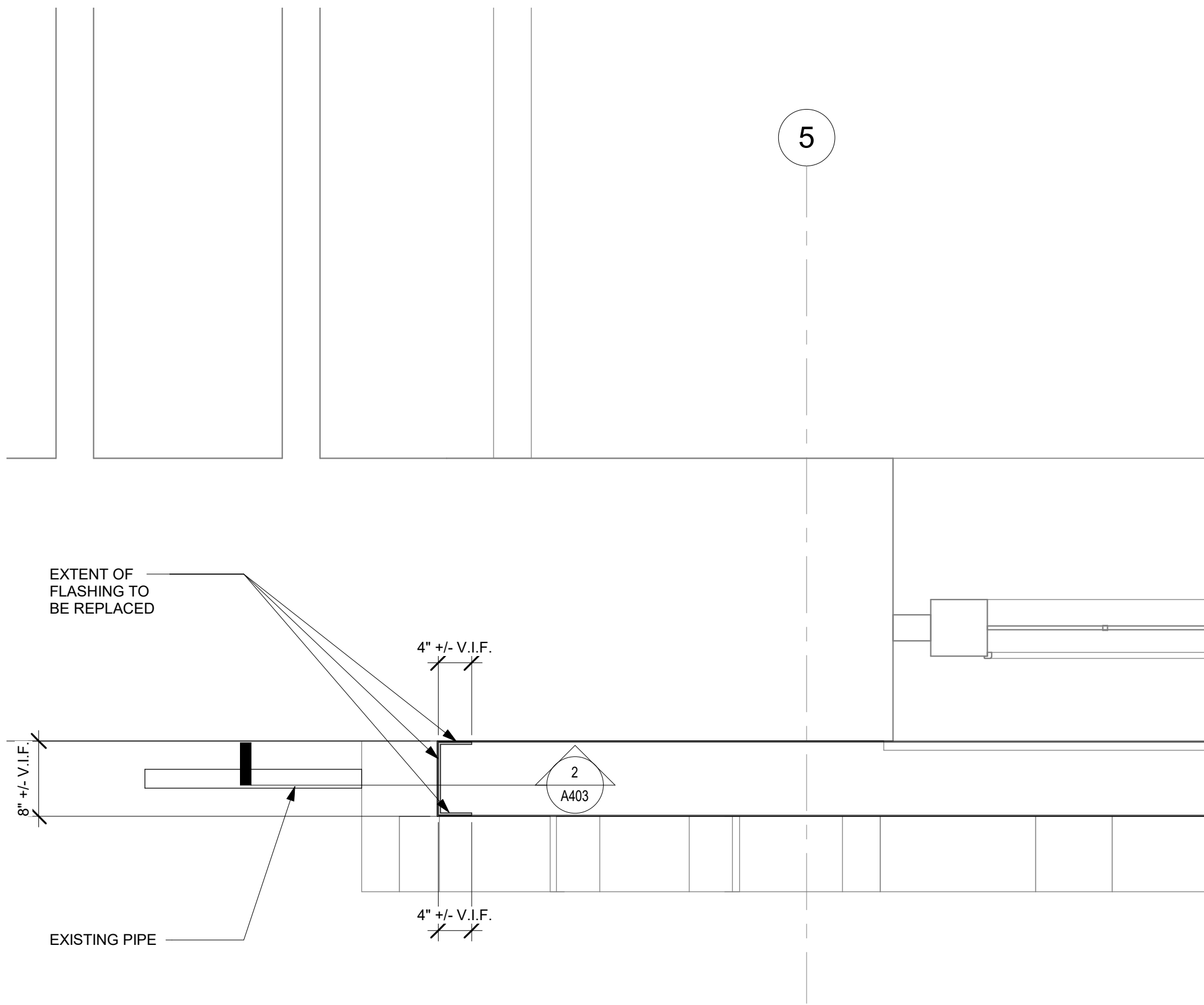
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525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
**SOUTH REAR EGRESS STAIR REPAIR WORK**

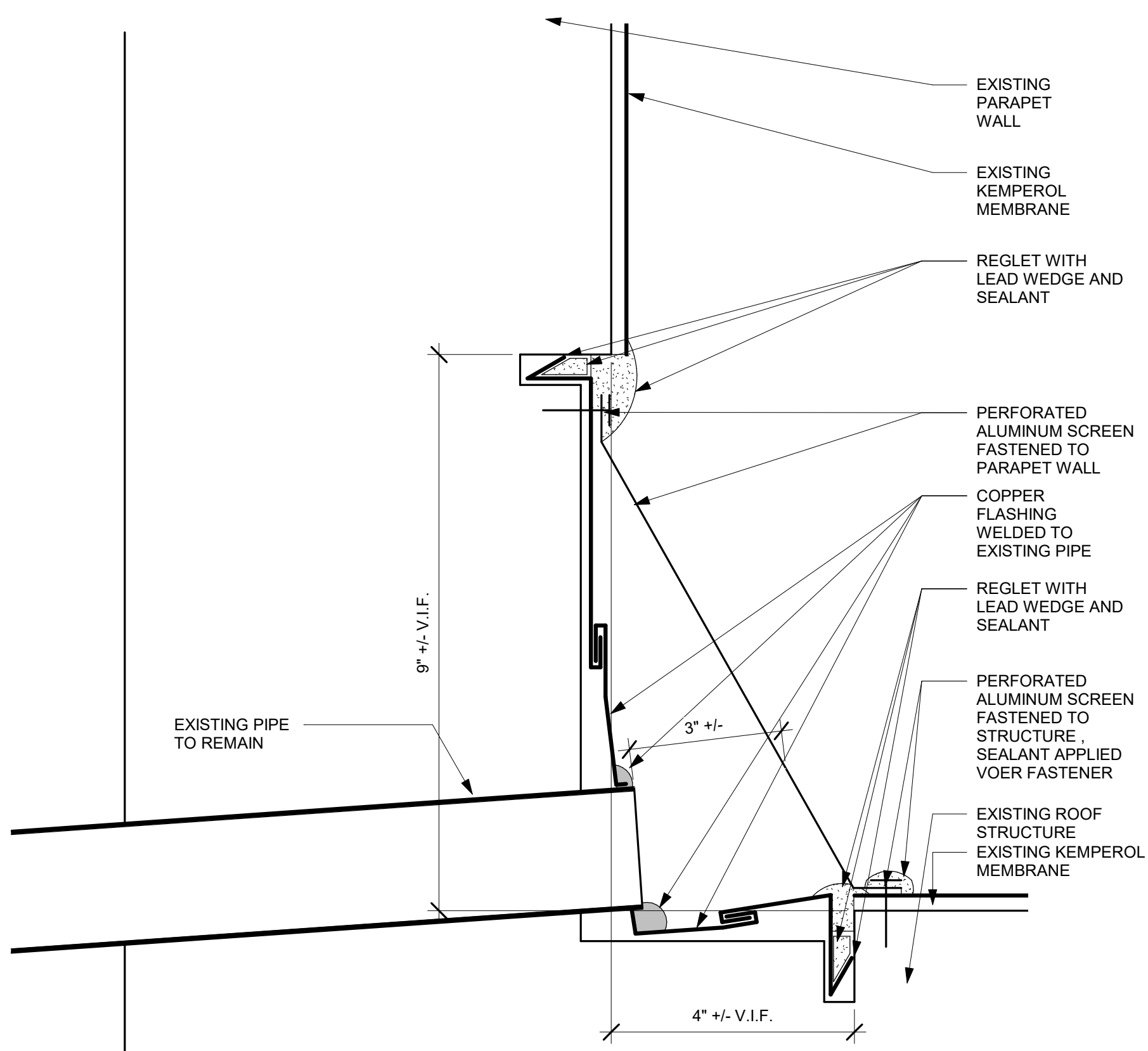
DOB NOW Job #M00660122-S1

Drawing No.:	<b>A402.00</b>
Sheets in Contract Set:	24 of 42
Sheets in DOB Set:	21 of 37





**1** MAIN ENTRANCE BALCONY CONSTRUCTION PLAN  
A403 SCALE: 1" = 1'-0"



**2** SECTION THROUGH MAIN ENTRANCE PARAPET WALL CONSTRUCTION  
A403 SCALE: 6" = 1'-0"

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Design Consultant Management Studio  
Aileen del Prado, P.E. LEED AP BD+C, Senior Director

Consultants:

  
**Bladykas Engineering, P.C.**  
50 Jackson Avenue, Suite 300, Syosset, NY 11791  
tel: 516.364.8700 fax: 516.364.8707  
web: www.bladykas.com e-mail: info@bladykas.com

  
**Goshow Architects**  
44 West 28th Street, 5 FL / New York, NY 10001  
P 212.242.3735 / F 212.242.7460

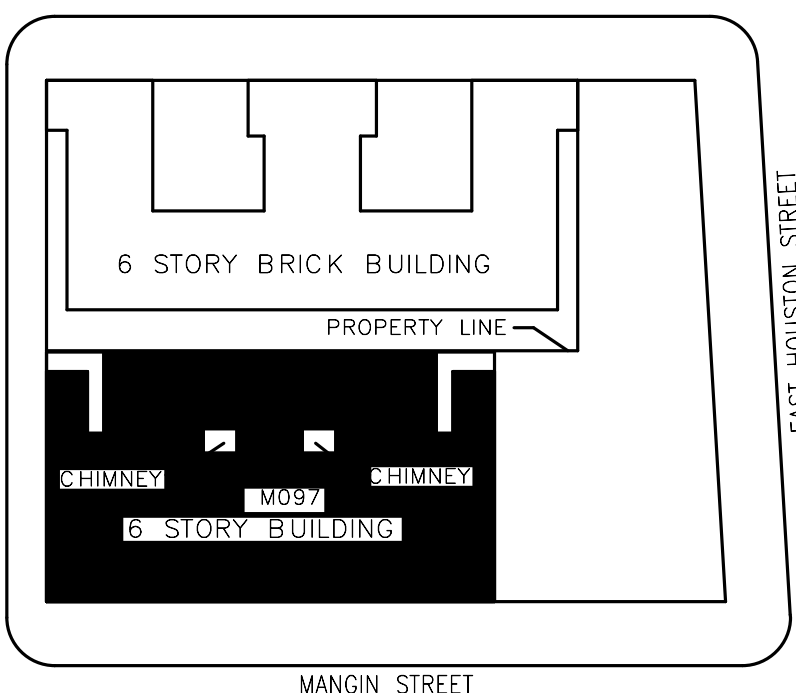
**Ysrael A. Seinuk**  
Structural Consultant  
228 East 45th Street / New York, NY 10017  
P 212.687.2233 / F 646.487.5555

NOTE: Drawing may be printed at reduced scale

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-	05/09/2023	ISSUED FOR BID
No.	Date	Revision

Key Plan:



Map showing the project location at the intersection of Stanton Street, East Houston Street, and Mangin Street. The site is a 6-story brick building. Block # 325, Lot # 25.

SCA Design Manager:	NASER HAMOUEDEH, P.E.	
Project Architect/Engineer:	JEFFREY RABINER, PE	
Discipline Lead:	JOHN HIGGINS, PE	
Designer:	GREGORY HERMAN	
Drawn by:	G. HERMAN / M. VARONA	
Checked by:	JOHN HIGGINS, PE	
Design No or LLW No.	Building ID:	Date:
D019998	M097	05/09/2023

Project:

BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM

Address:

525 EAST HOUSTON STREET  
NEW YORK, NY 10002

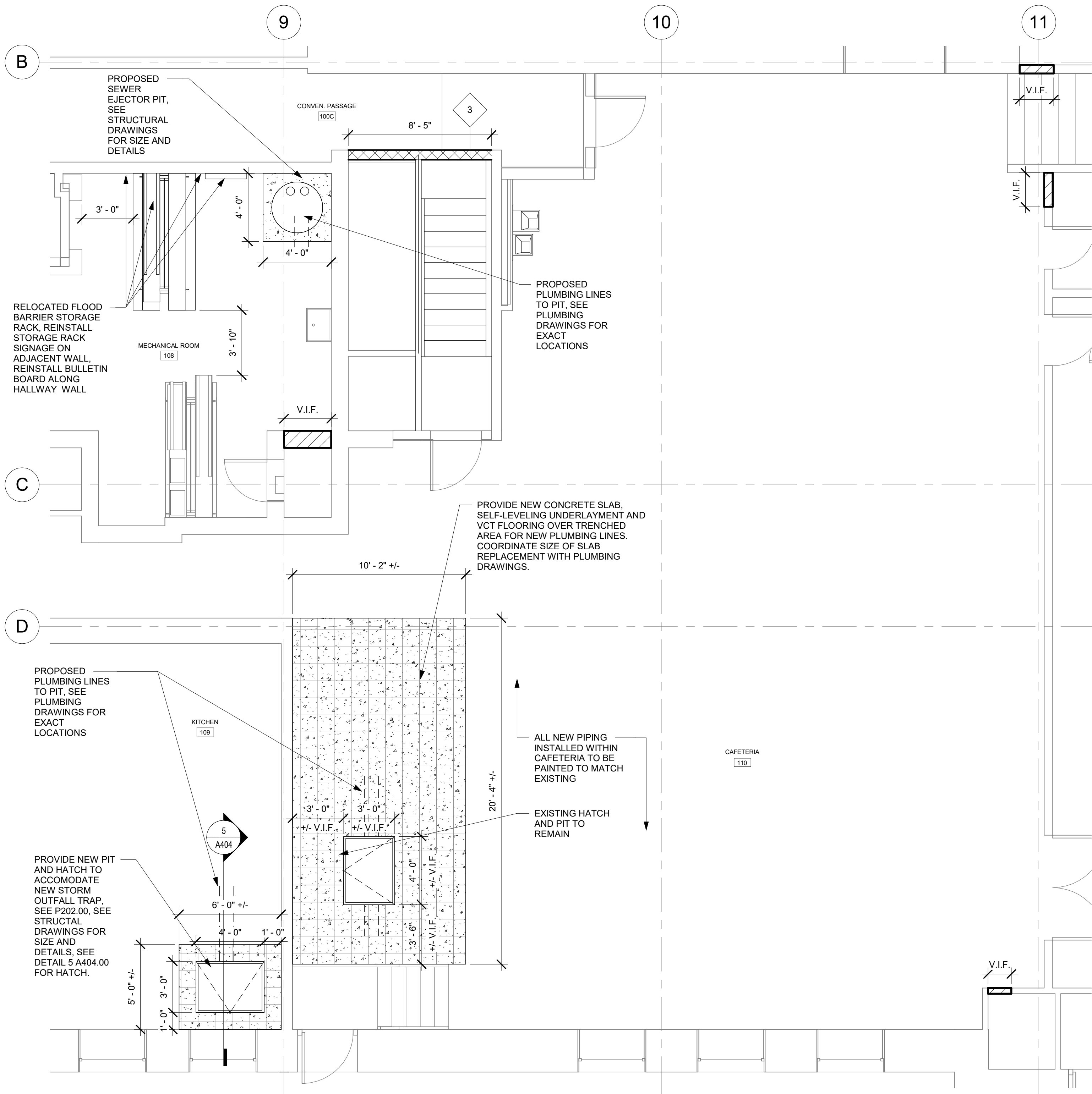
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MAIN ENTRANCE BALCONY  
REPAIR WORK

DOB NOW Job #M00660122-S1

Drawing No.:	<b>A403.00</b>
Sheets in Contract Set:	25 of 42
Sheets in DOB Set:	22 of 37

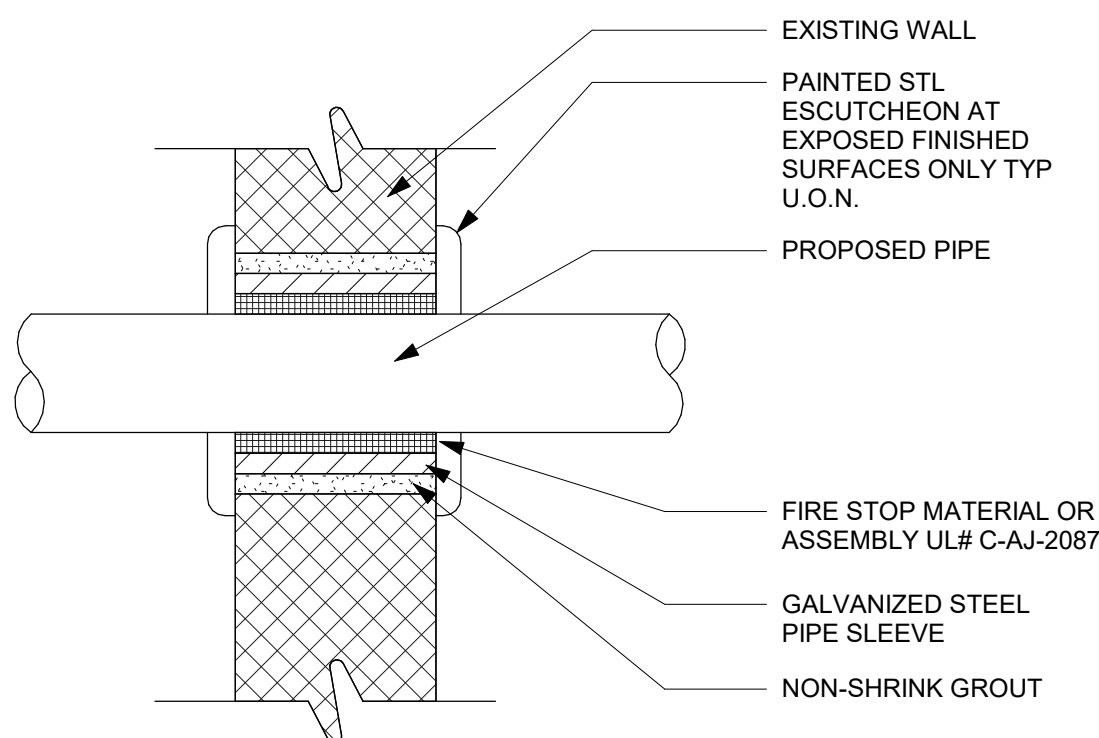




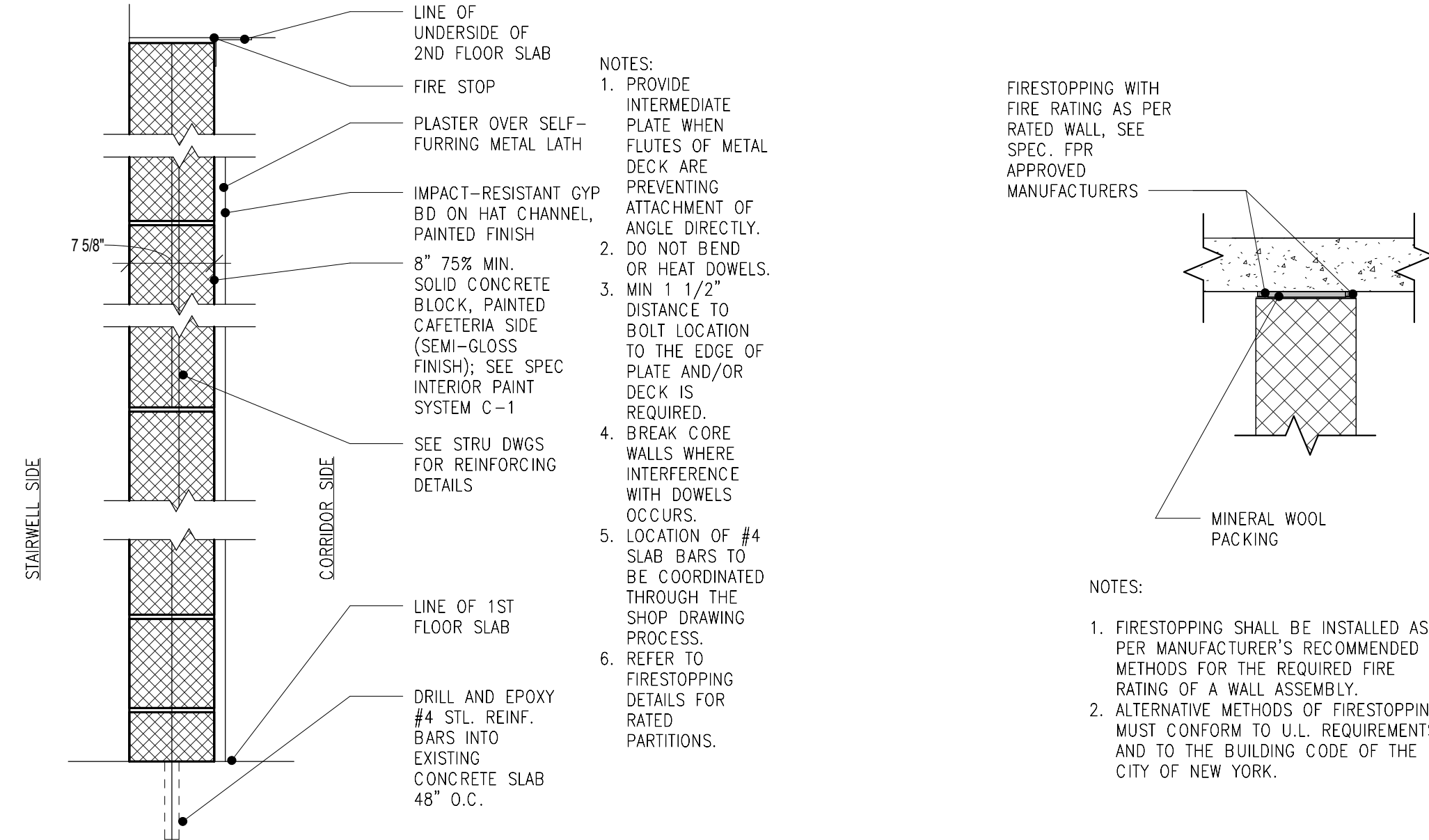
**1 1ST FLOOR CONSTRUCTION PLAN**  
A404 SCALE: 1/4" = 1'-0"

**CONSTRUCTION PLAN LEGEND**

- PROVIDE REINFORCED CONCRETE SLAB, SEE STRUCTURAL DRAWINGS FOR THICKNESS AND DETAILS
- PROVIDE SELF-LEVELING UNDERLAYMENT AND VCT FLOORING
- PROVIDE CMU PARTITION, SEE PARTITION TYPES
- NEW PENETRATIONS FOR PLUMBING PIPING, SEE PLUMBING DRAWINGS FOR LOCATION AND SIZE, SEE PENETRATION DETAIL 2/A404.00

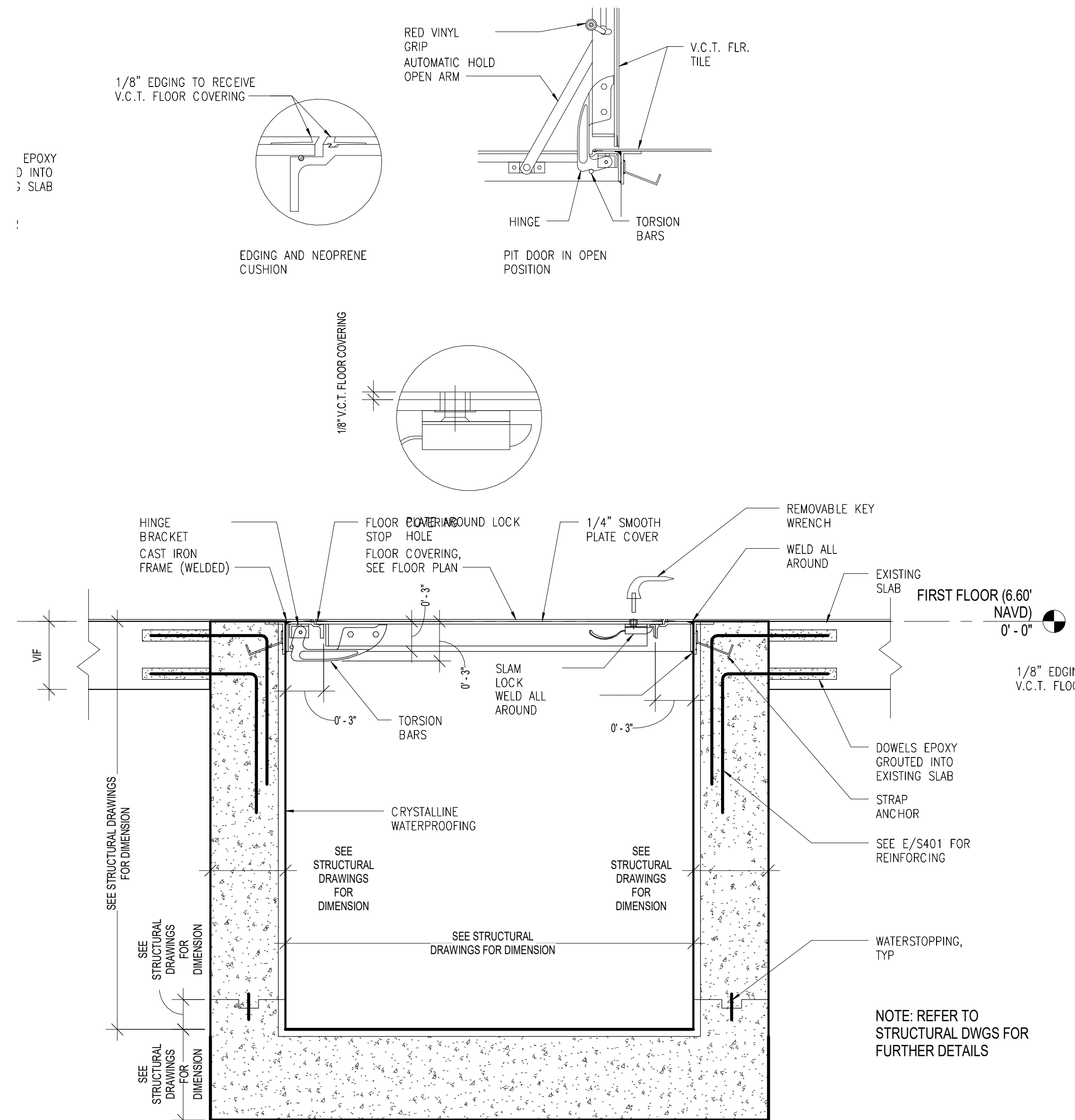


**2 FIRESTOPPING PENETRATION DTL. THROUGH EXISTING WALL**  
A404 SCALE: 1 1/2" = 1'-0"



**3 INTERIOR 2 HR RATED 8" CMU PARTITION W/ PLASTER FINISH**  
Detail SCALE: 1" = 1'-0"

**4 INTERIOR CMU/SLAB FIRESTOPPING**  
A404 SCALE: 1 1/2" = 1'-0"



**5 TYPICAL CONCRETE PIT & HATCH DETAIL**  
A404 SCALE: 1 1/2" = 1'-0"

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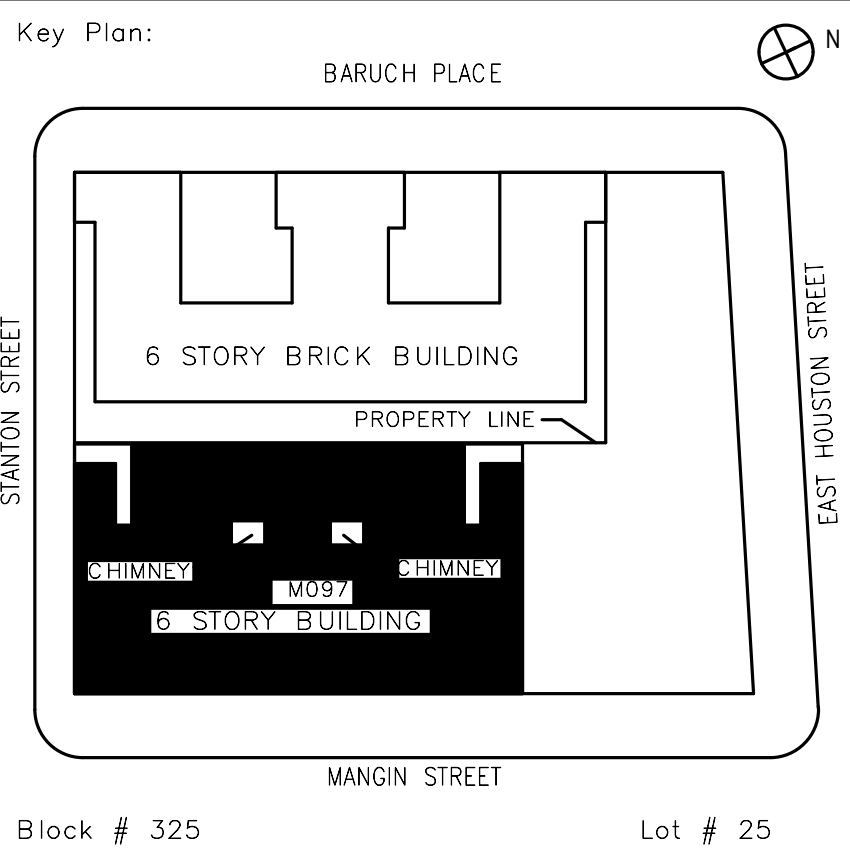
**Ysrael A. Seinuk**  
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228 East 49th Street / New York, NY 10017  
P 212.687.2233 / F 646.487.5555

NOTE: Drawing may be printed at reduced scale

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05/09/2023 ISSUED FOR BID

No.	Date	Revision
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SCA Design Manager: NASER HAMOUEH, P.E.

Project Architect/Engineer: JEFFREY RABINER, PE

Discipline Lead: JOHN HIGGINS, PE

Designer: GREGORY HERMAN

Drawn by: G. HERMAN / M. VARONA

Checked by: JOHN HIGGINS, PE

Design No or LLW No.	Building ID:	Date:
D019998	M097	05/09/2023

Project:  
**BARD COLLEGE HS, MANHATTAN WASTE SYSTEM**

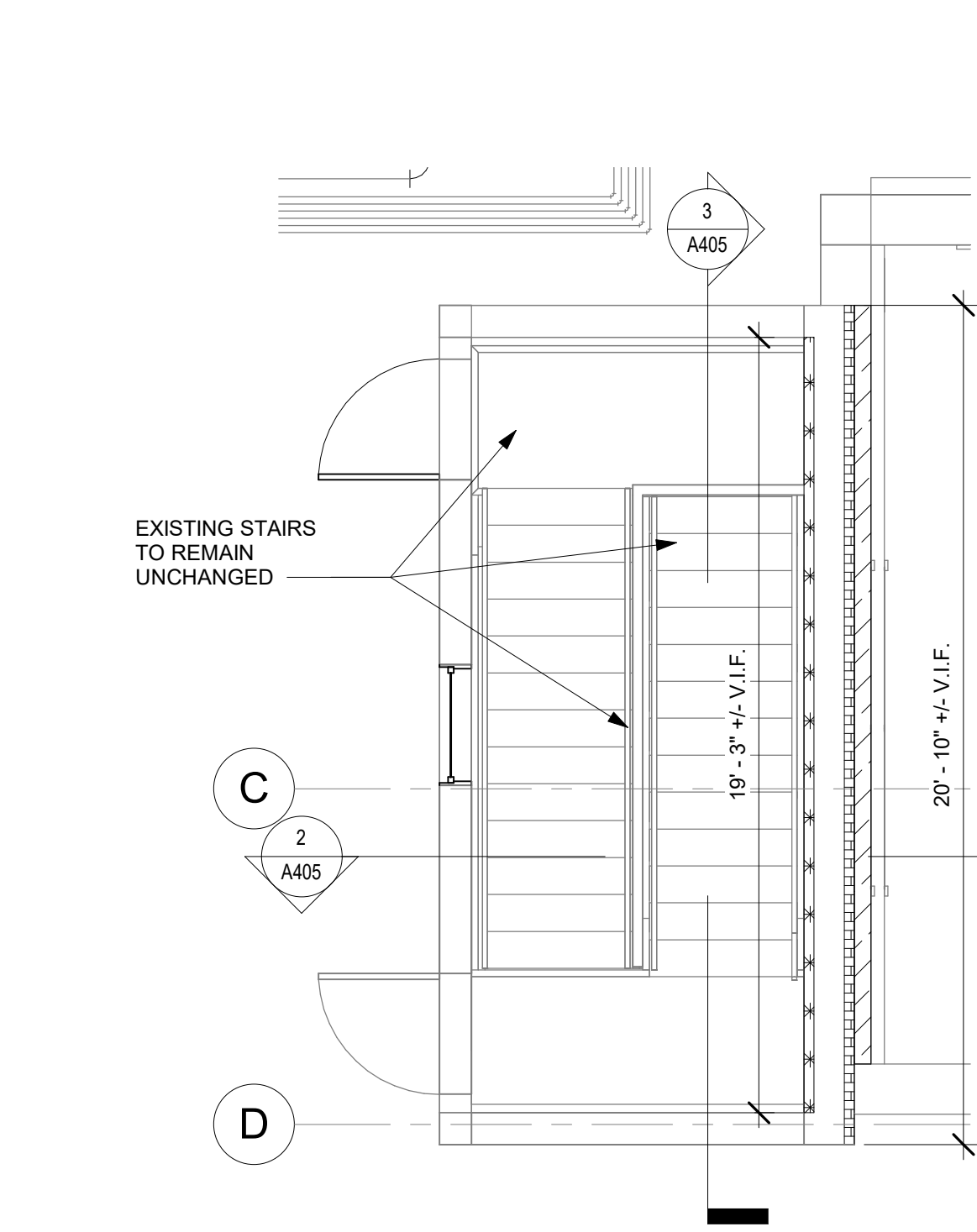
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525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
**1ST FLOOR CAFETERIA SLAB REPLACEMENT**

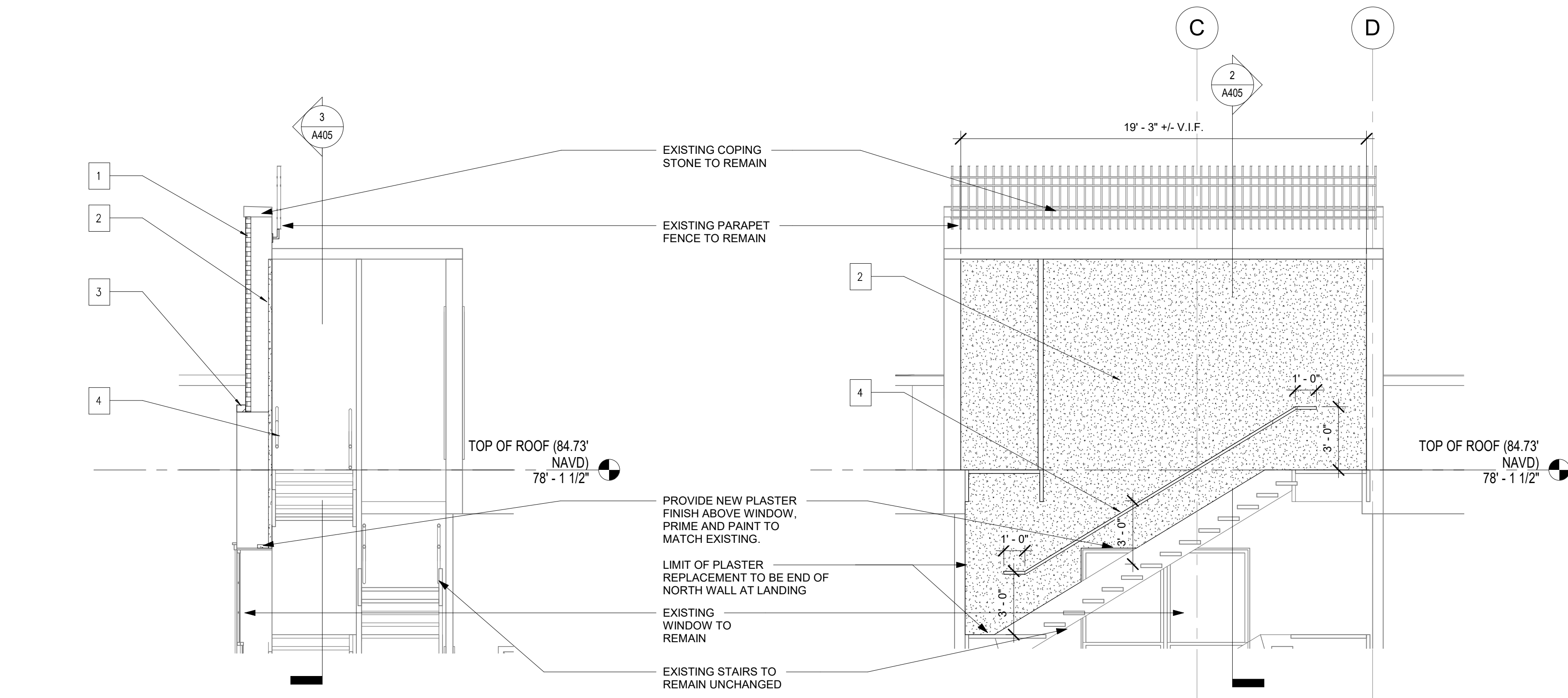
DOB NOW Job #M00660122-S1

Drawing No.:	<b>A404.00</b>
Sheets in Contract Set:	26 of 42
Sheets in DOB Set:	23 of 37

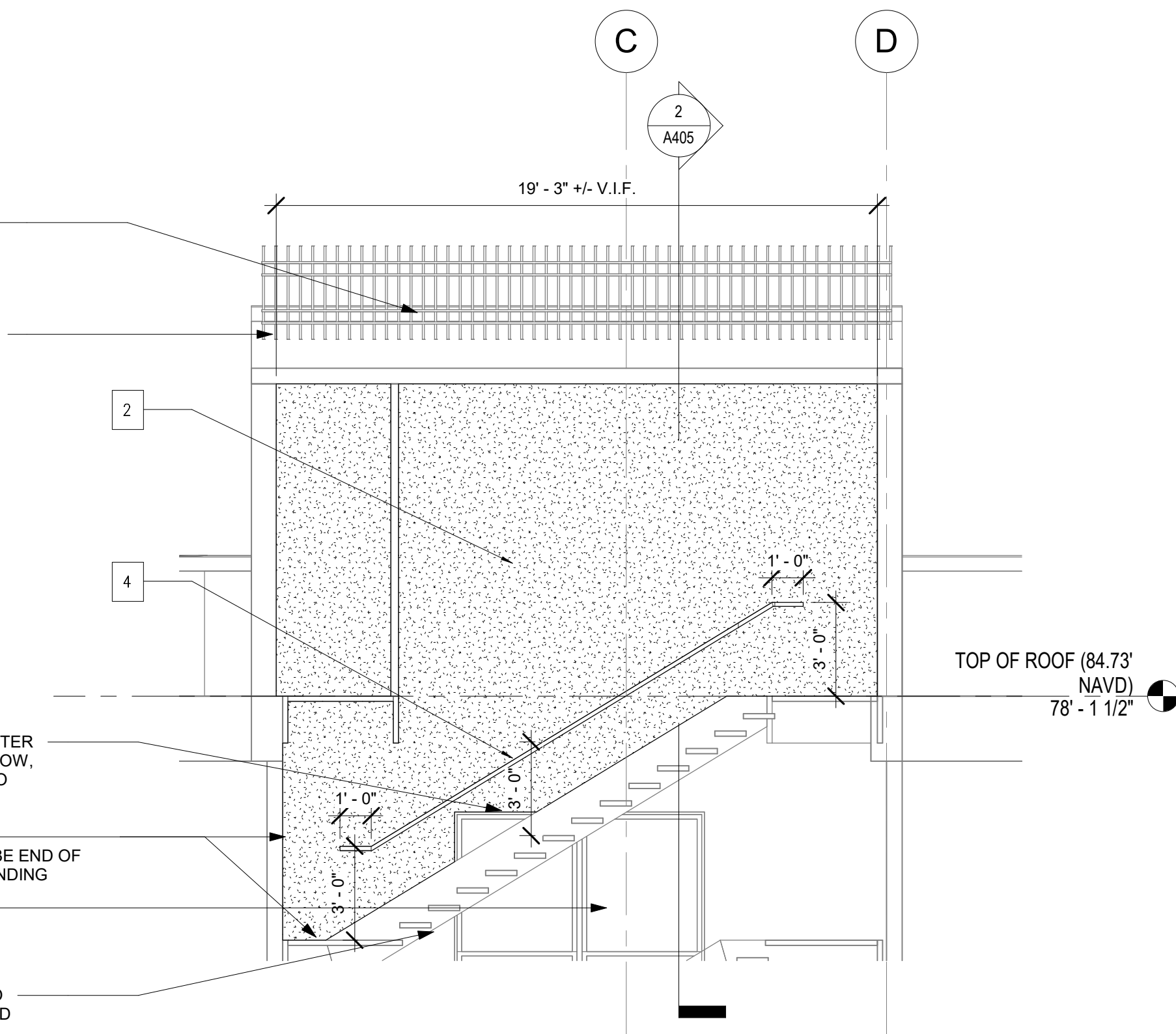




**1 NORTH BULKHEAD - PLAN AT ROOF**  
A405 SCALE: 1/4" = 1'-0"



**2 SECTION 1 THROUGH NORTH BULKHEAD**  
A405 SCALE: 1/4" = 1'-0"



**3 SECTION 2 THROUGH NORTH BULKHEAD**  
A405 SCALE: 1/4" = 1'-0"

**CONSTRUCTION PLAN LEGEND**

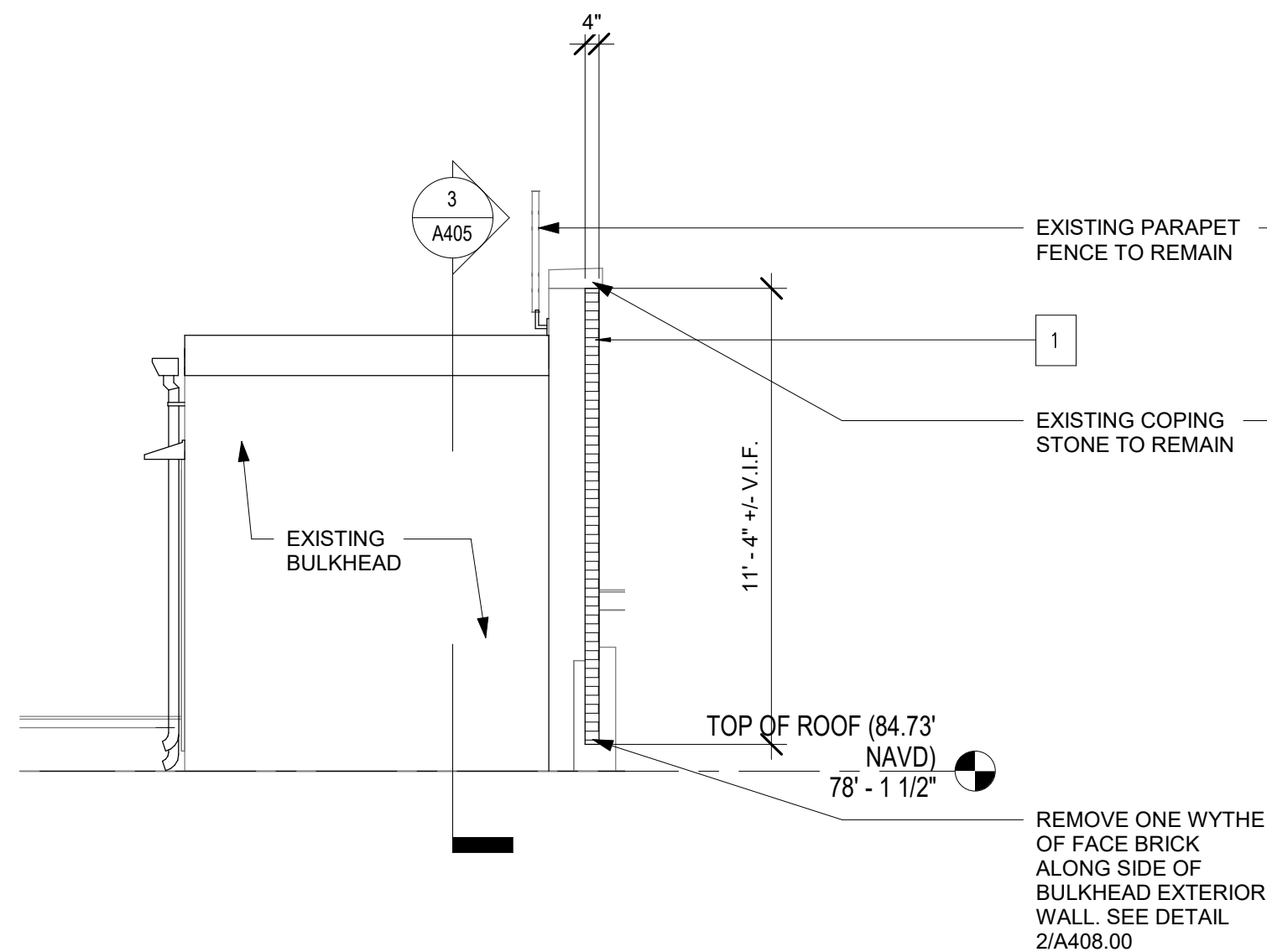
- PROVIDE NEW FACE BRICK TO MATCH EXISTING, SEE DETAIL 1/A408.00
- PROVIDE NEW PLASTER FINISH OVER EXISTING BRICK, PRIME AND PAINT TO MATCH EXISTING.
- REPLACE STONE BAND, SEE DETAIL 7/A408.00
- INSTALL NEW HANDRAILS, SEE DETAIL 8/A408.00

**CONSTRUCTION ELEVATION LEGEND**

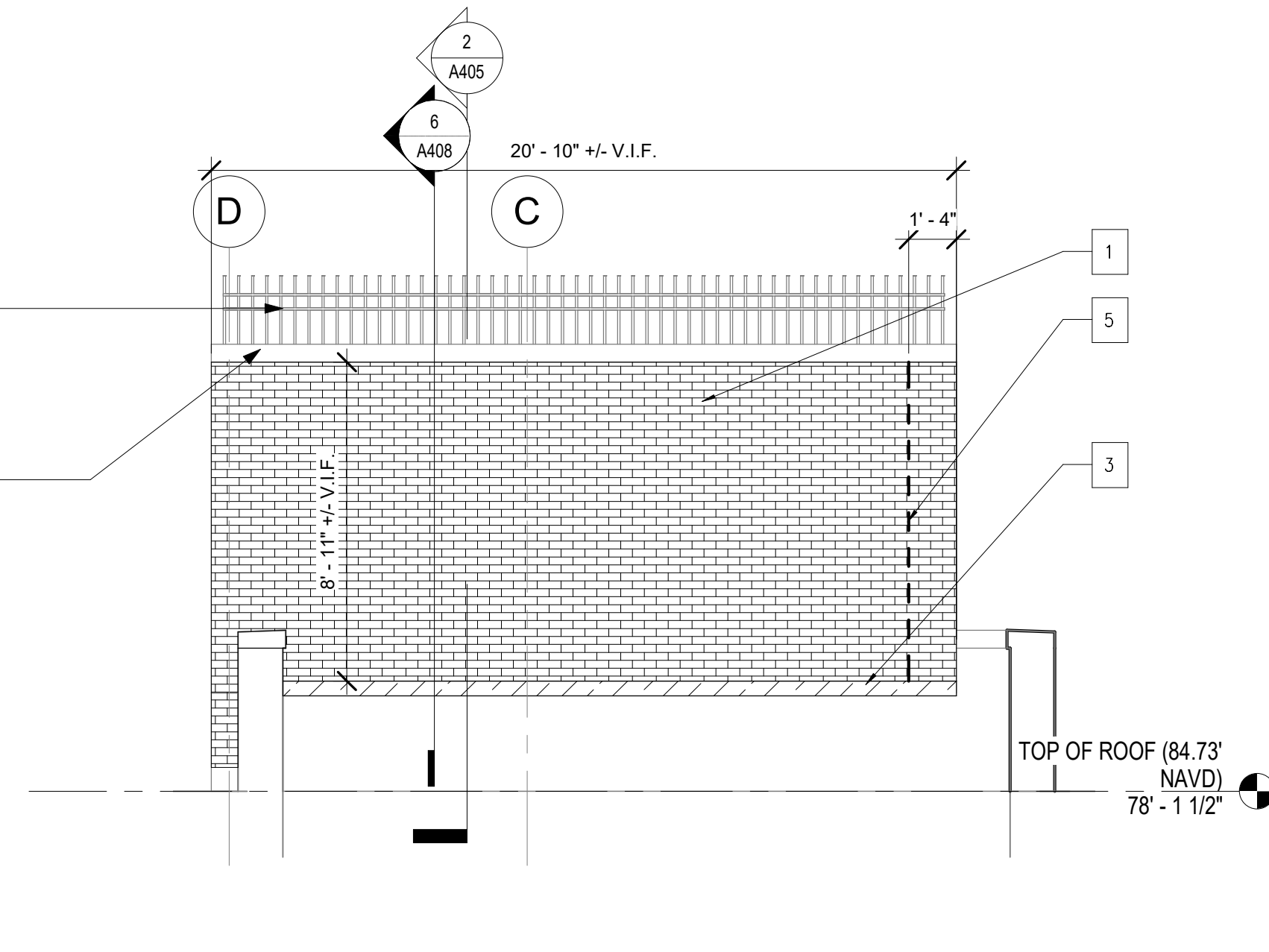
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- PROVIDE NEW PLASTER FINISH OVER EXISTING BRICK, PRIME AND PAINT TO MATCH EXISTING.
- REPLACE STONE BAND, SEE DETAIL 7/A408.00

**CONSTRUCTION KEYNOTES**

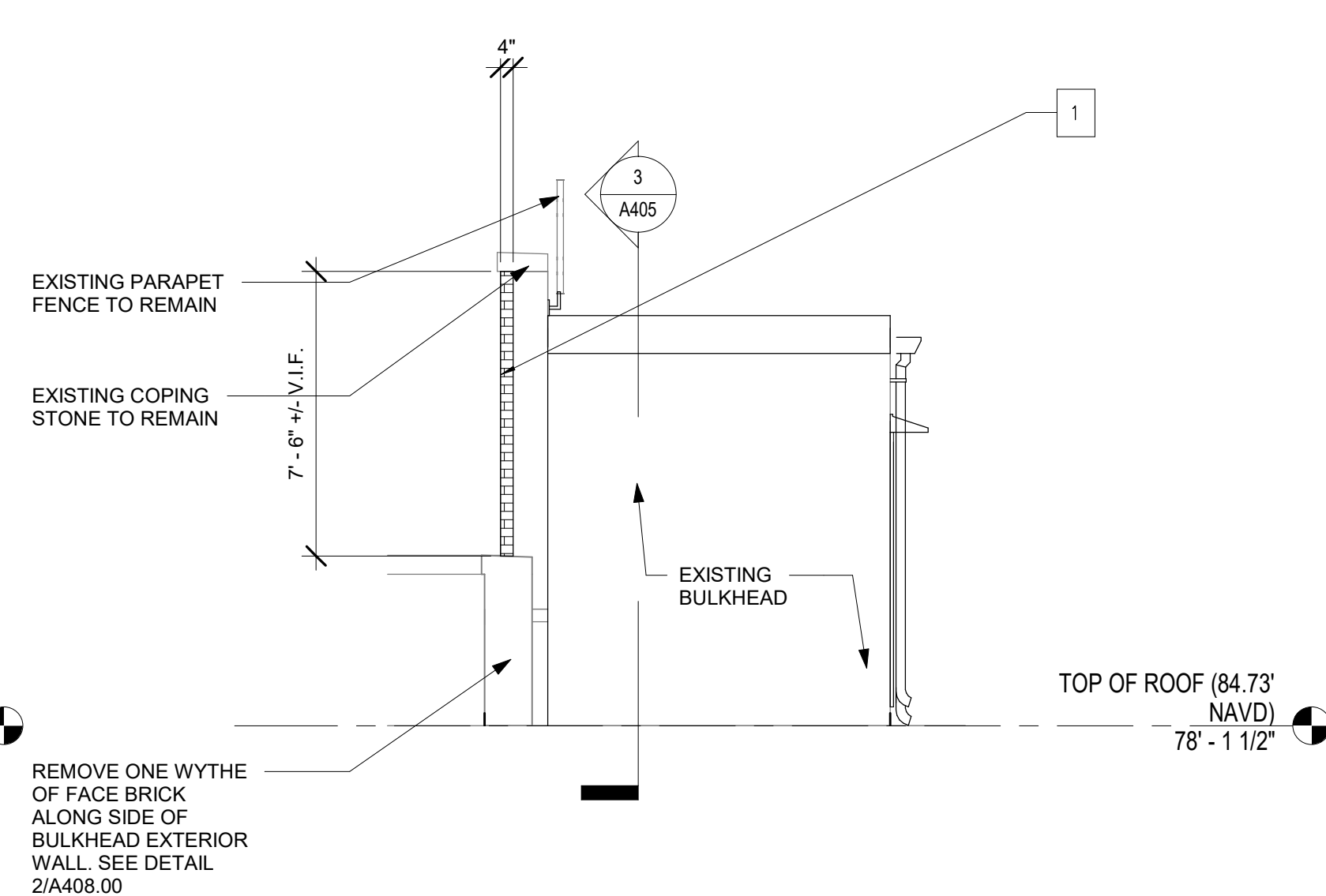
- PROVIDE NEW FACE BRICK TO MATCH EXISTING, SEE DETAIL 1/A408.00
- PROVIDE NEW PLASTER FINISH OVER EXISTING BRICK, PRIME AND PAINT TO MATCH EXISTING.
- REPLACE STONE BAND, SEE DETAIL 7/A408.00
- INSTALL NEW HANDRAILS, SEE DETAIL 8/A408.00
- PROVIDE NEW EXPANSION JOINTS AT NEW FACE BRICK, SEE DETAIL 2/A408.00



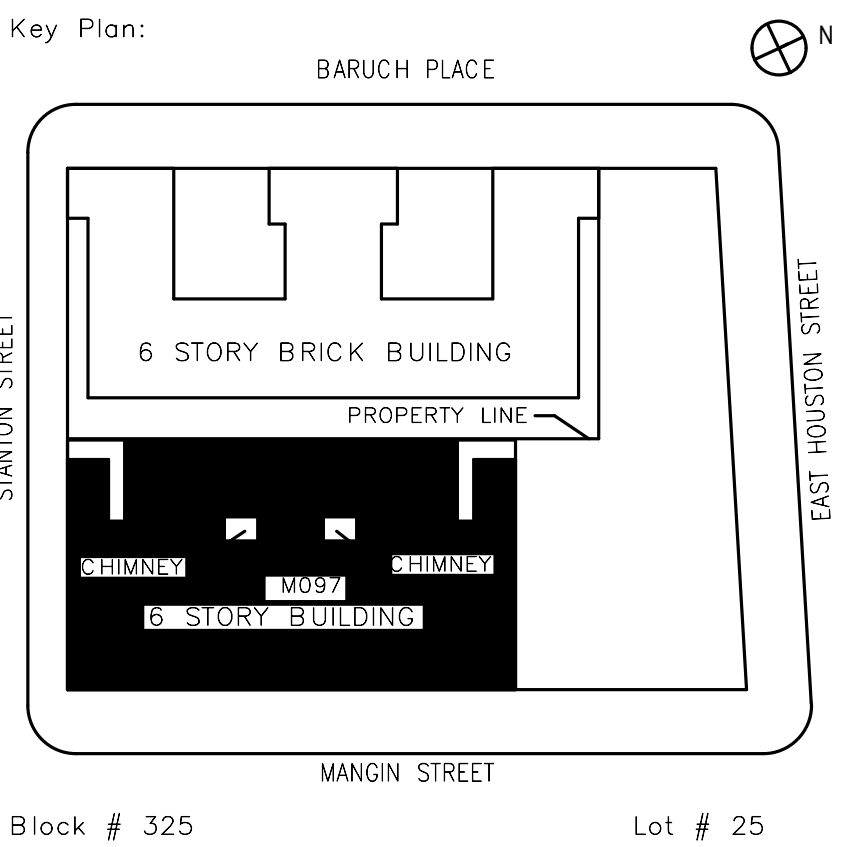
**4 NORTH BULKHEAD - EAST ELEV CONSTRUCTION**  
A405 SCALE: 1/4" = 1'-0"



**5 NORTH BULKHEAD - NORTH ELEV CONSTRUCTION**  
A405 SCALE: 1/4" = 1'-0"

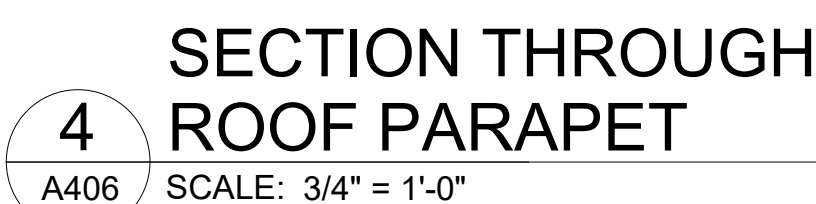


**6 NORTH BULKHEAD - WEST ELEV CONSTRUCTION**  
A405 SCALE: 1/4" = 1'-0"

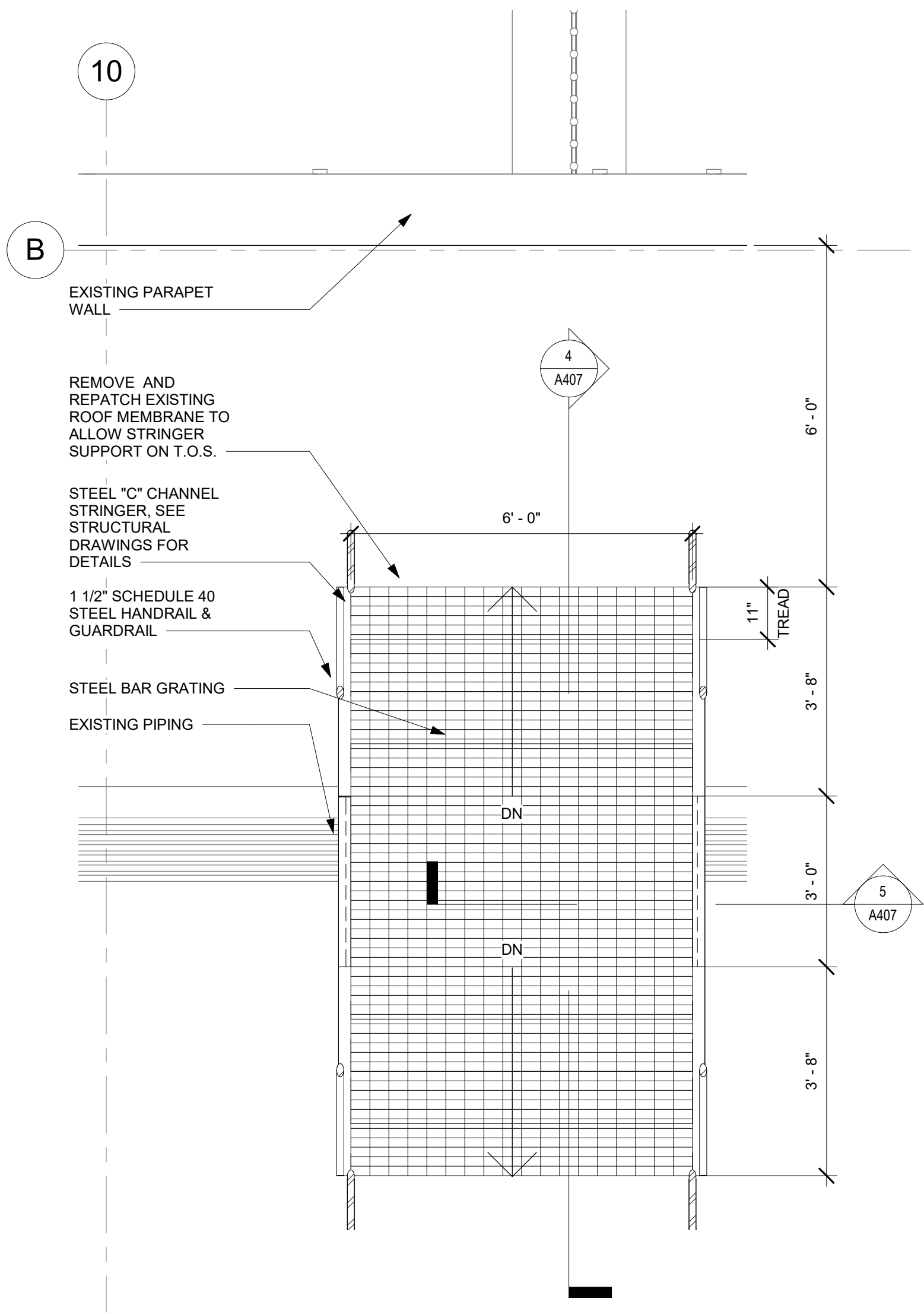


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Discipline Lead:	JOHN HIGGINS, PE		
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Design No or LLW No.:	Building ID:	Date:	
D019998	M097	05/09/2023	

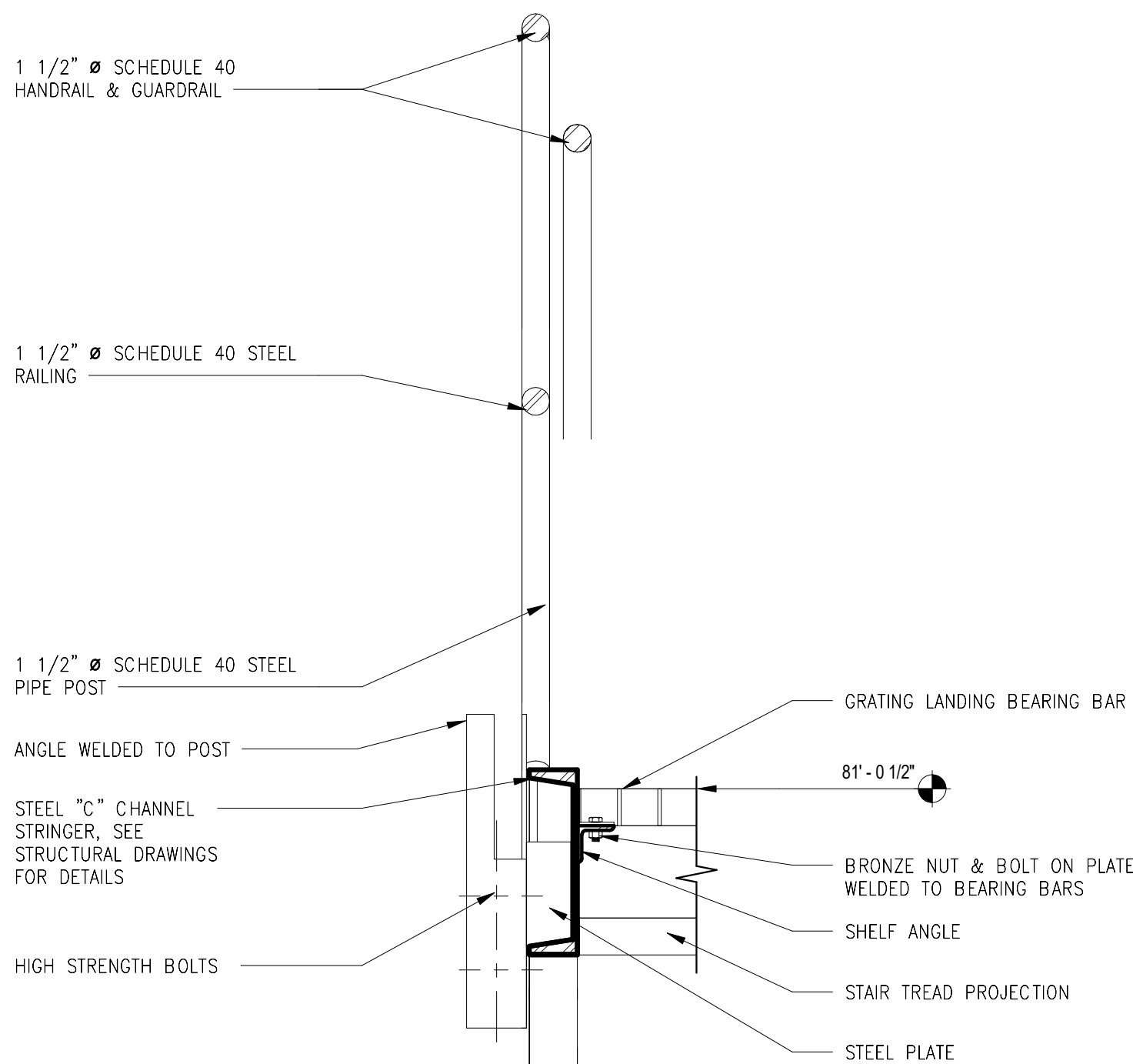




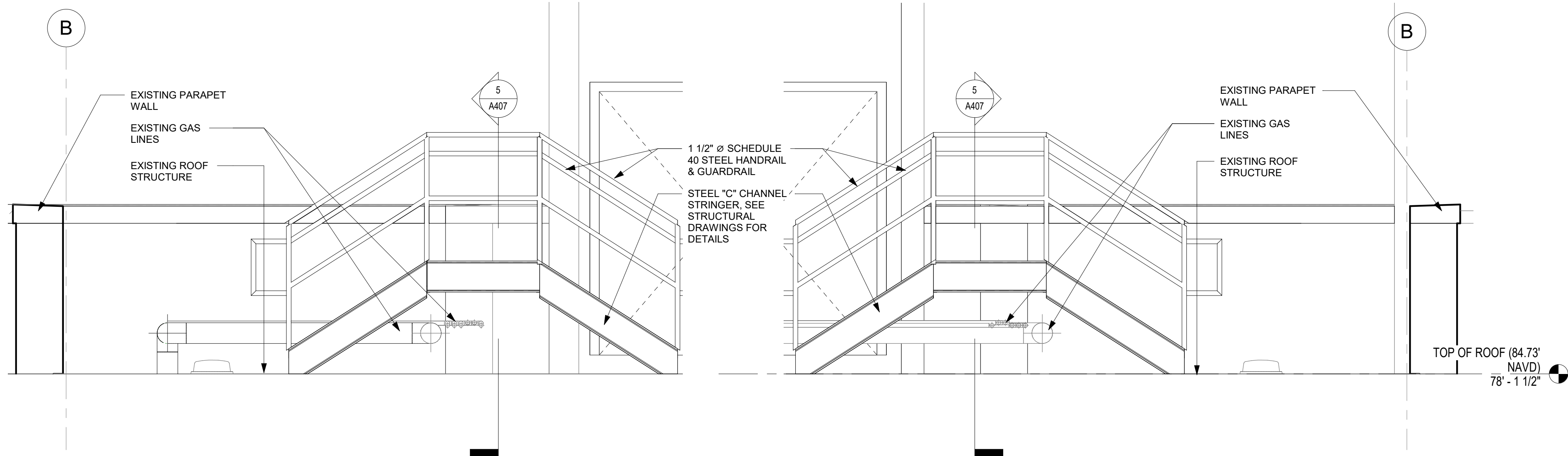




1 PLAN OF ROOFTOP STAIR  
A407 SCALE: 1/2" = 1'-0"

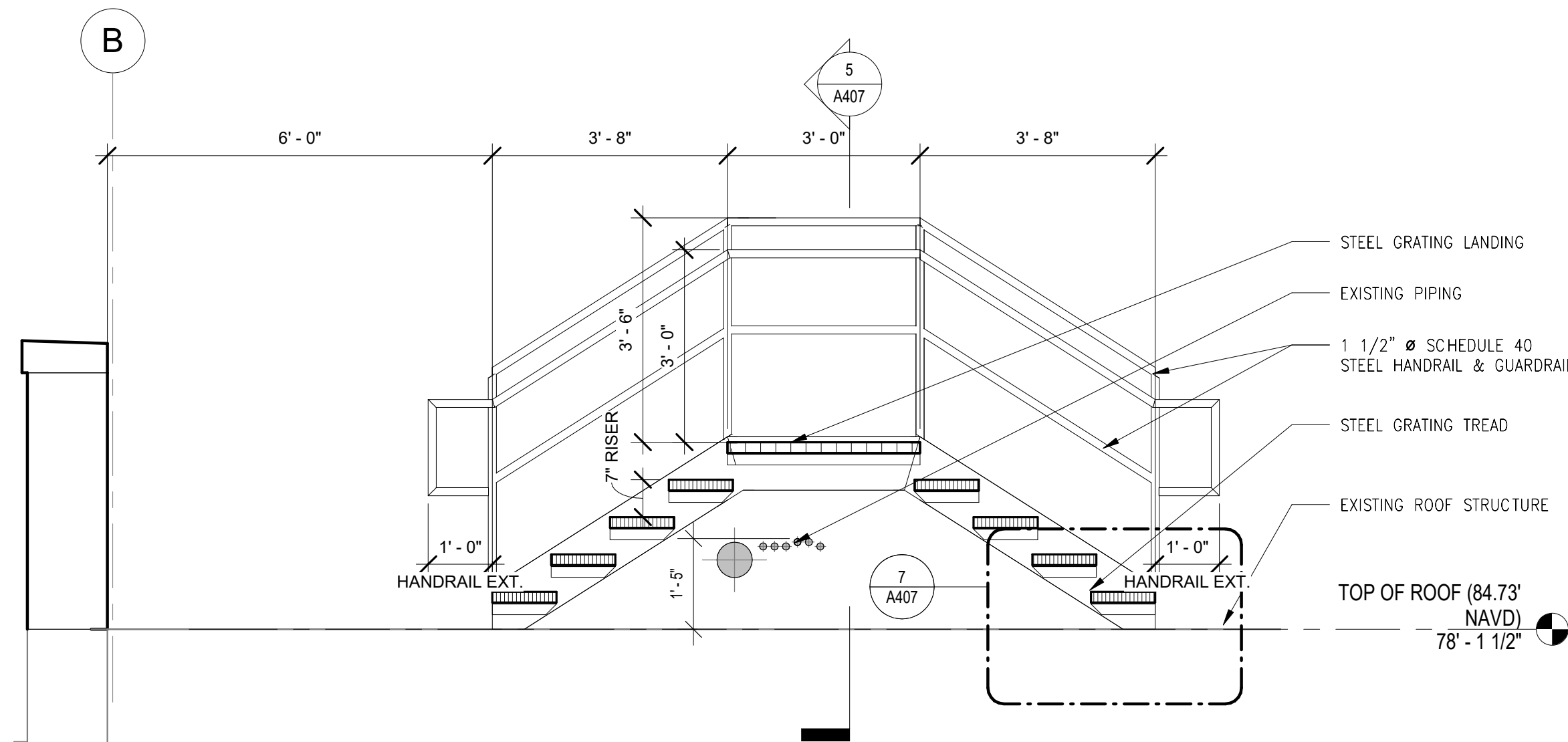


6 HANDRAIL DETAIL  
A407 SCALE: 1 1/2" = 1'-0"

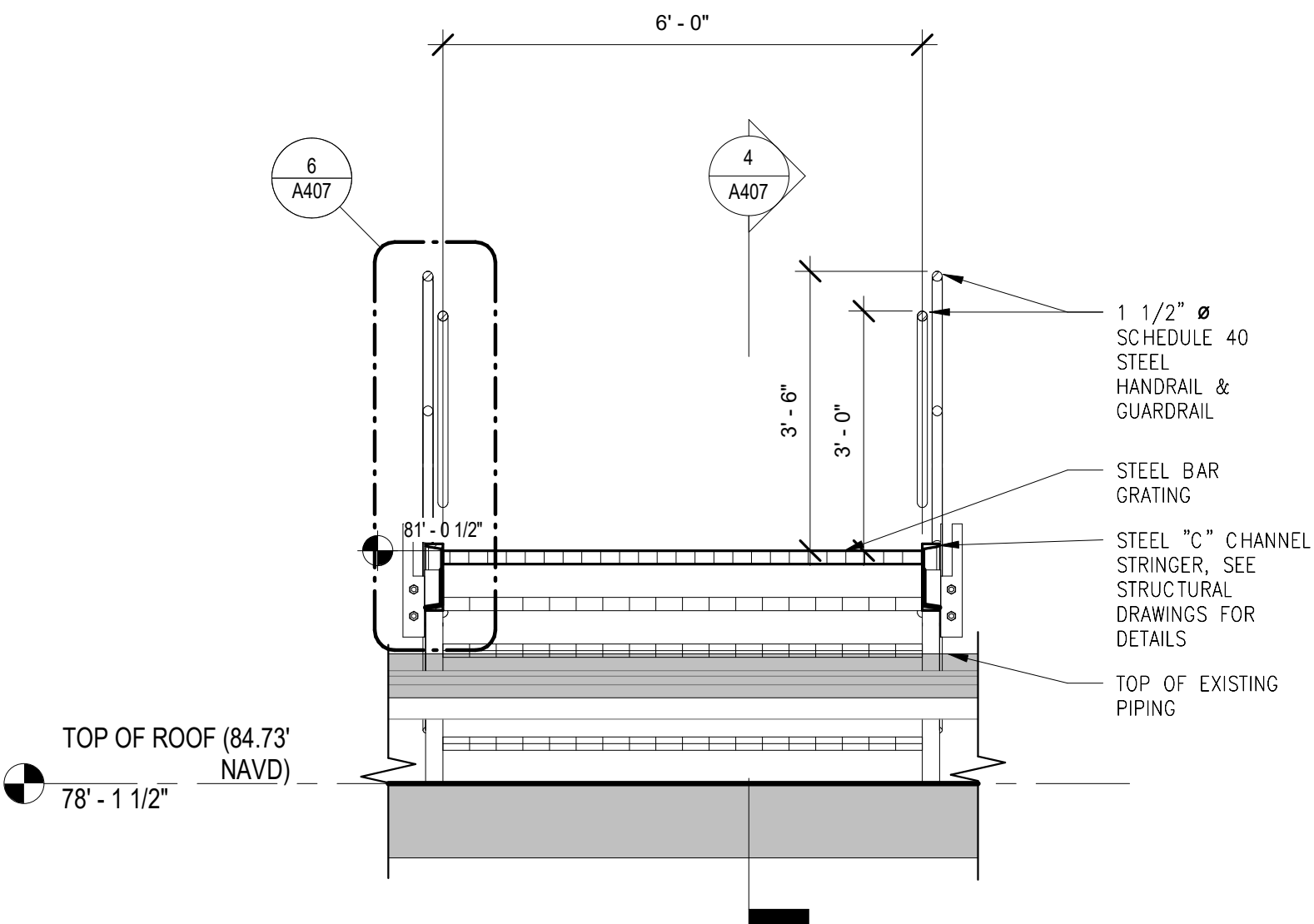


2 ROOFTOP STAIR ELEVATION A  
A407 SCALE: 1/2" = 1'-0"

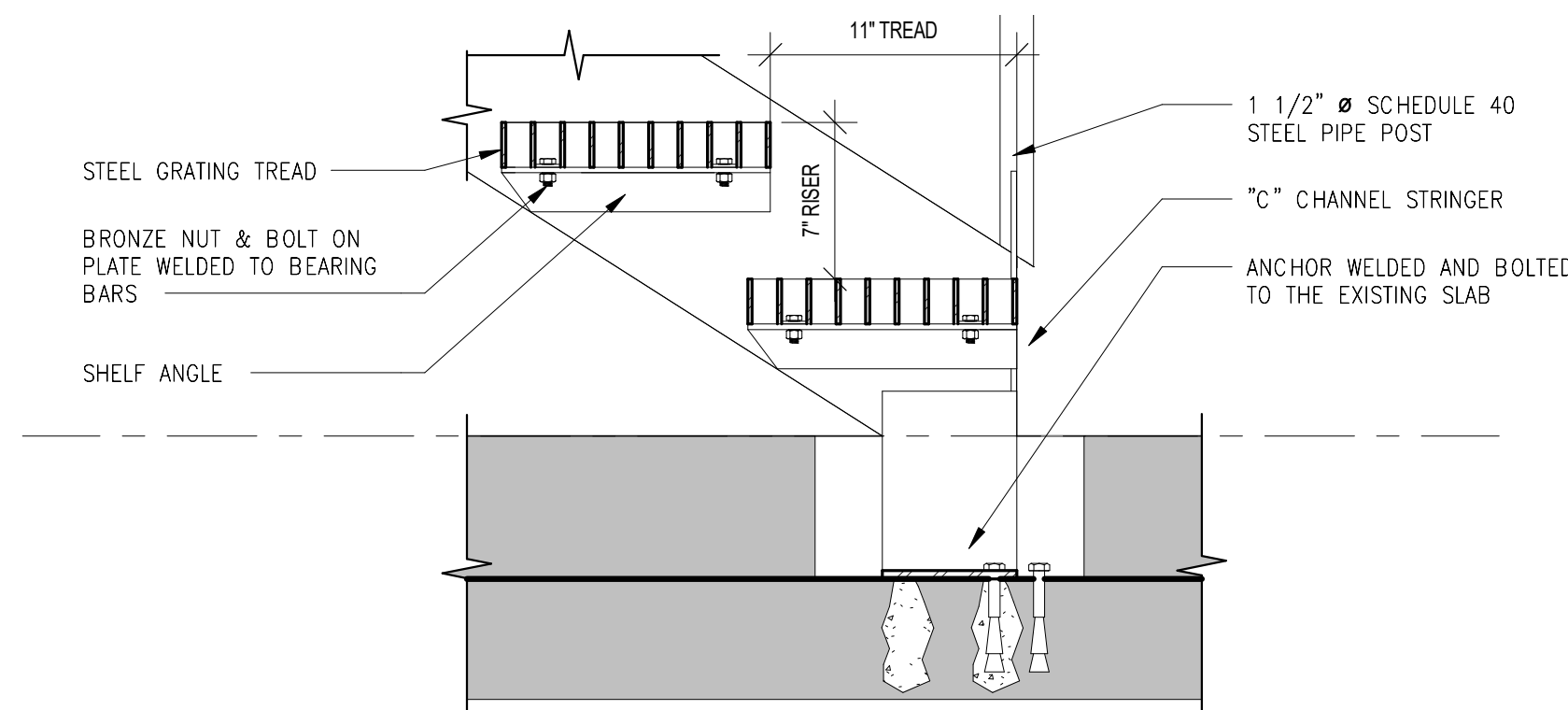
3 ROOFTOP STAIR ELEVATION B  
A407 SCALE: 1/2" = 1'-0"



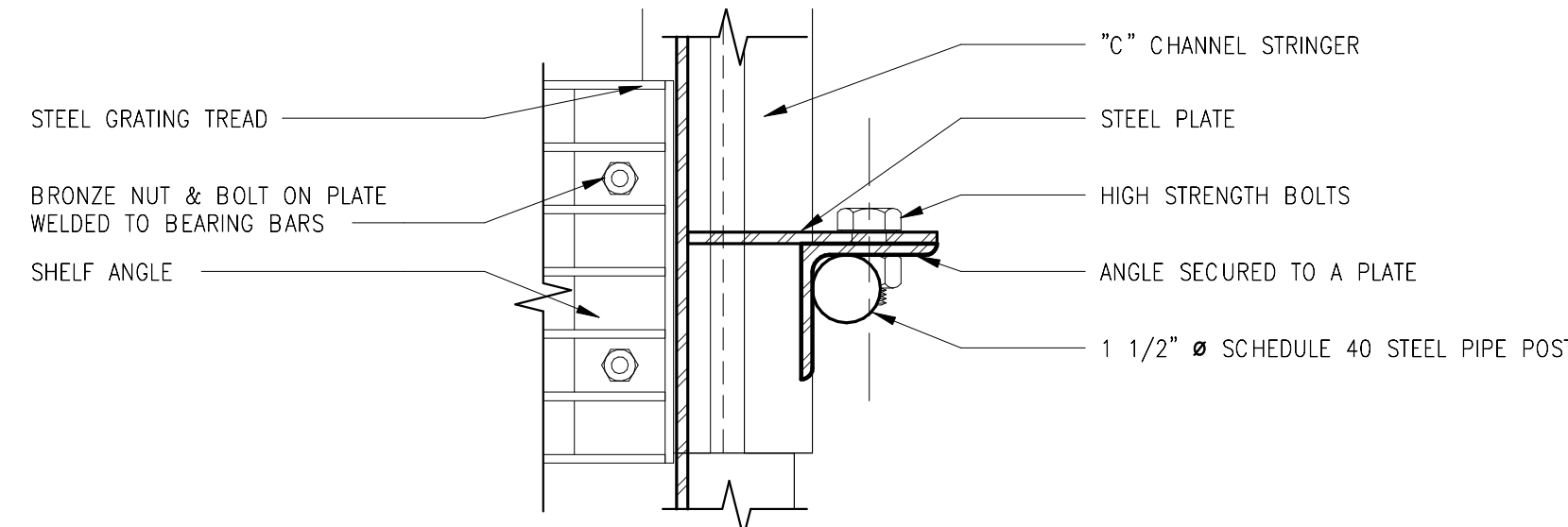
4 SECTION 1 THROUGH ROOFTOP STAIR  
A407 SCALE: 1/2" = 1'-0"



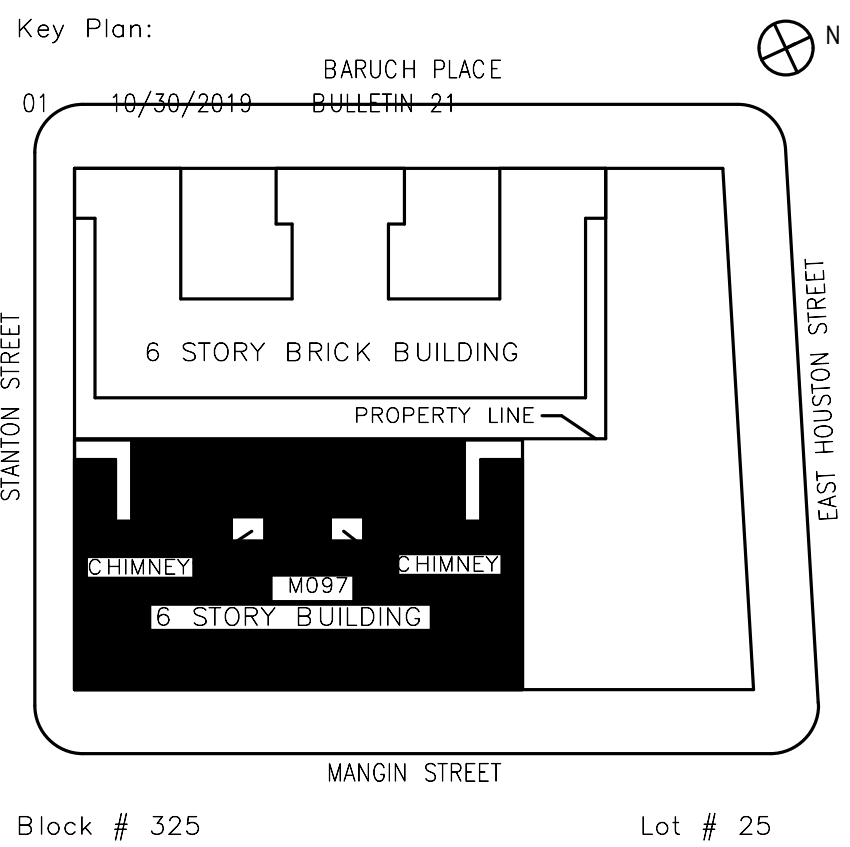
5 SECTION 2 THROUGH ROOFTOP STAIR  
A407 SCALE: 1/2" = 1'-0"



7 STAIR SUPPORT DETAIL  
A407 SCALE: 1 1/2" = 1'-0"



8 HANDRAIL POST SUPPORT DETAIL  
A407 SCALE: 3" = 1'-0"



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Checked by:	JOHN HIGGINS, PE		
Design No or LLW No.	Building ID:	Date:	
D019998	M097	05/09/2023	

Project:  
BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
ACCESS STAIR AT ROOFTOP  
AND DETAILS

DOB NOW Job #M00660122-S1

Drawing No.:

A407.00

Sheets in Contract Set:  
29 of 42



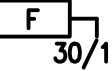

Sheets in DOB Set:  
26 of 37










LIGHTING AND POWER

SYMBOL	DESCRIPTION
	CONDUIT WITH WIRE RUN EXPOSED IN CEILING OR WALL. HASHMARKS DENOTE NUMBER OF WIRES IF MORE THAN TWO ARE REQUIRED. ARROWS DENOTE HOMERUNS OF PARTICULAR CIRCUITS AND QUANTITY OF 1P-20A CIRCUITS. MINIMUM 2#12 THHN / THWN IN 3/4" CONDUIT U.O.N.
	LIGHTING AND POWER PANELBOARD, SURFACE MOUNTED ON WALL.
	DISCONNECT SWITCH, RATING AND FUSING NOTED. HORSEPOWER RATING AS REQUIRED BY MOTOR LOAD. "WP" INDICATES WEATHERPROOF ENCLOSURE, OTHERWISE NEMA-1. INSCRIBED "F" INDICATES FUSIBLE TYPE.
	MOTOR. HORSEPOWER INSCRIBED.

REMOVALS

SYMBOL	DESCRIPTION
	DASHED SYMBOL INDICATES EXISTING DEVICE TO BE REMOVED. INSTALL OUTLET COVER/BLANK PLATE.
	DASHED SYMBOL WITH HATCHING INDICATES EXISTING DEVICE TO BE REMOVED. INSTALL OUTLET COVER/BLANK PLATE.
	DASHED SYMBOL WITH SUBSCRIPT 'ER' INDICATES EXISTING DEVICE TO REMAIN.

GENERAL NOTES:

THE FOLLOWING NOTES SHALL APPLY THROUGHOUT. EXCEPTIONS ARE SPECIFICALLY NOTED ON EACH DRAWING:

1. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS OF THE SITE AND/OR BUILDING.

2. THE CONTRACTOR SHALL, UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, SECURE AND PAY FOR THE REQUIRED CONSTRUCTION PERMIT(S), FEES, LICENCES AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.

3. COORDINATION OF ALL WORK UNDER THIS CONTRACT SHALL BE MAINTAINED TO ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK/PROJECT.

4. THE CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING REQUIRED TO COMPLETE THE WORK OR TO MAKE ITS PARTS FIT TOGETHER PROPERLY WITHOUT COMPROMISING THE QUALITY OF THE WORK.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTIONS, AND OFF ALIGNMENTS ACCORDING TO CODES AND STANDARDS OF GOOD PRACTICE.

6. THE TERM "FINISH FLOOR" SHALL MEAN THE NORMAL FINISHED SURFACE OF THE FLOOR LEVEL. ALL ELEVATIONS GIVEN FOR EXISTING BUILDINGS ARE TO FINISHED FLOOR. THE CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS FOR EXISTING STRUCTURES PRIOR TO THE COMMENCEMENT OF WORK.

7. THE CONTRACTOR SHALL PATCH AND REPAIR ALL FLOORS, WALLS CEILINGS, ETC.. DAMAGED OR EXPOSED DUE TO WORK OR REMOVALS AND FINISH TO MATCH ADJOINING SURFACES.
8. WHERE MANUFACTURES' NAMES AND PRODUCT NUMBERS ARE INDICATED ON THE DRAWINGS, IT SHALL BE CONSTRUED TO MEAN THE ESTABLISHING OF QUALITY AND PERFORMANCE STANDARDS OF SUCH ITEMS. ALL OTHER PRODUCTS MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL BEFORE THEY SHALL BE DEEMED EQUAL.

9. FIRESTOPPING SHALL BE INSTALLED AT ALL PENETRATIONS OF FIRE RATED CONSTRUCTION AS PER SPECIFICATIONS. MATERIAL IS TO BE APPROPRIATE FOR THE ASSEMBLY AND SHALL HAVE AN MEA NUMBER.

10. ADDITIONAL NOTES THAT ARE APPLICABLE TO THIS PROJECT MAY BE FOUND THROUGHOUT THE CONTRACT DRAWINGS.

11. FOR AN EXPLANATION OF THE SYMBOLS AND ABBREVIATIONS USED ON THESE DRAWINGS, SEE THE SYMBOLS LIST AND ABBREVIATION LIST ON THIS SHEET.

12. CONDUITS RUN IN FLOOR OF CORRIDORS SHALL CLEAR RECESSED DOOR CLOSERS LOCATED AT CROSS CORRIDOR DOORS. CONDUITS RUN IN CORRIDOR HUNG CEILINGS SHALL CLEAR SPACE FOR ROLLER BOX OF ROLLING GRILL.

13. PULL AND JUNCTION BOXES SHALL BE SURFACE TYPE, UNLESS OTHERWISE NOTED. THE JUNCTION AND PULL BOXES SHALL BE LOCATED APPROXIMATELY WHERE INDICATED ON THE PLAN TO SUIT CONDUIT ENTRANCE, BUT SHALL, IN ALL CASES, BE LOCATED TO AVOID INTERFERENCE WITH ALL OTHER EQUIPMENT AND SHALL BE LOCATED SO THAT COVERS ARE READILY ACCESSIBLE.

14. SPECIAL INSPECTIONS SHALL BE CARRIED OUT IN ACCORDANCE WITH APPLICABLE BUILDING CODE SECTIONS.

SCOPE OF WORK

THE WORK SHALL BE AS SHOWN AND CALLED FOR IN THE CONTRACT DOCUMENTS AND SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING GENERAL ITEMS OF WORK:

1. PROVIDE POWER TO THE NEW DUPLEX SEWER EJECTOR PUMP CONTROL PANEL VIA A NEW 30A DISCONNECT SWITCH.

President & CEO  
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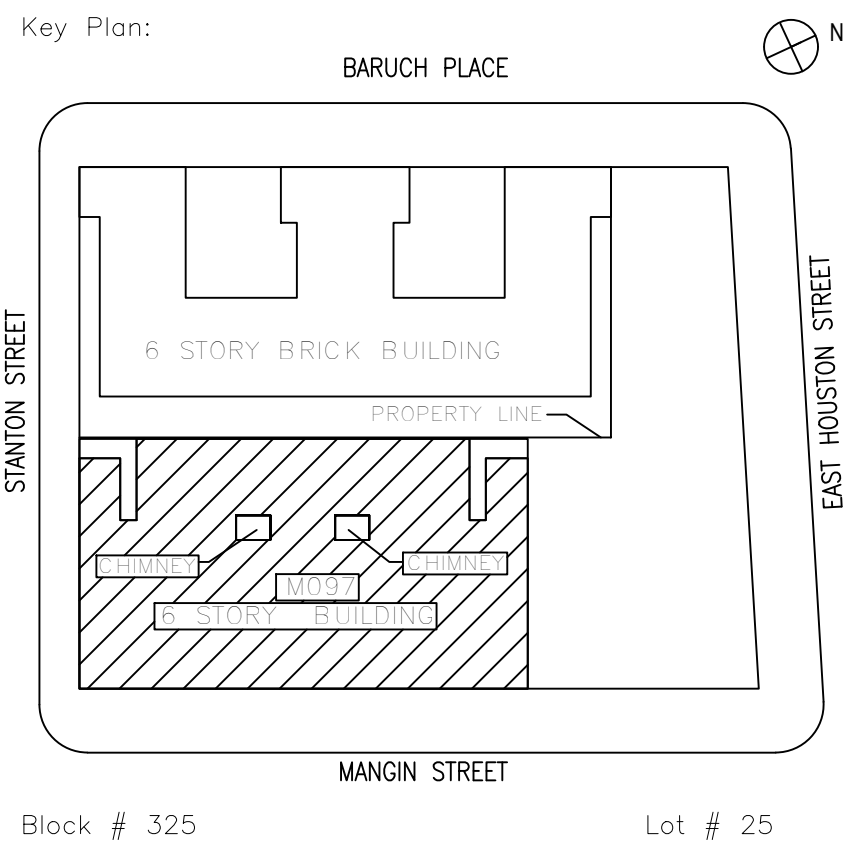
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05/09/2023 ISSUED FOR BID

No. Date Revision



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Project Architect/Engineer:	JEFFREY RABINER, P.E.	
Discipline Lead:	JOHN HIGGINS, P.E.	
Designer:	BRIAN HIGGINS	
Drawn by:	BRIAN HIGGINS	
Checked by:	JOHN HIGGINS, P.E.	
Design No or LLW No.:	Building ID:	Date:
D019998	M097	05/09/2023

Project:  
BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title: FIRST FLOOR ELECTRICAL  
NOTES AND SYMBOL LIST

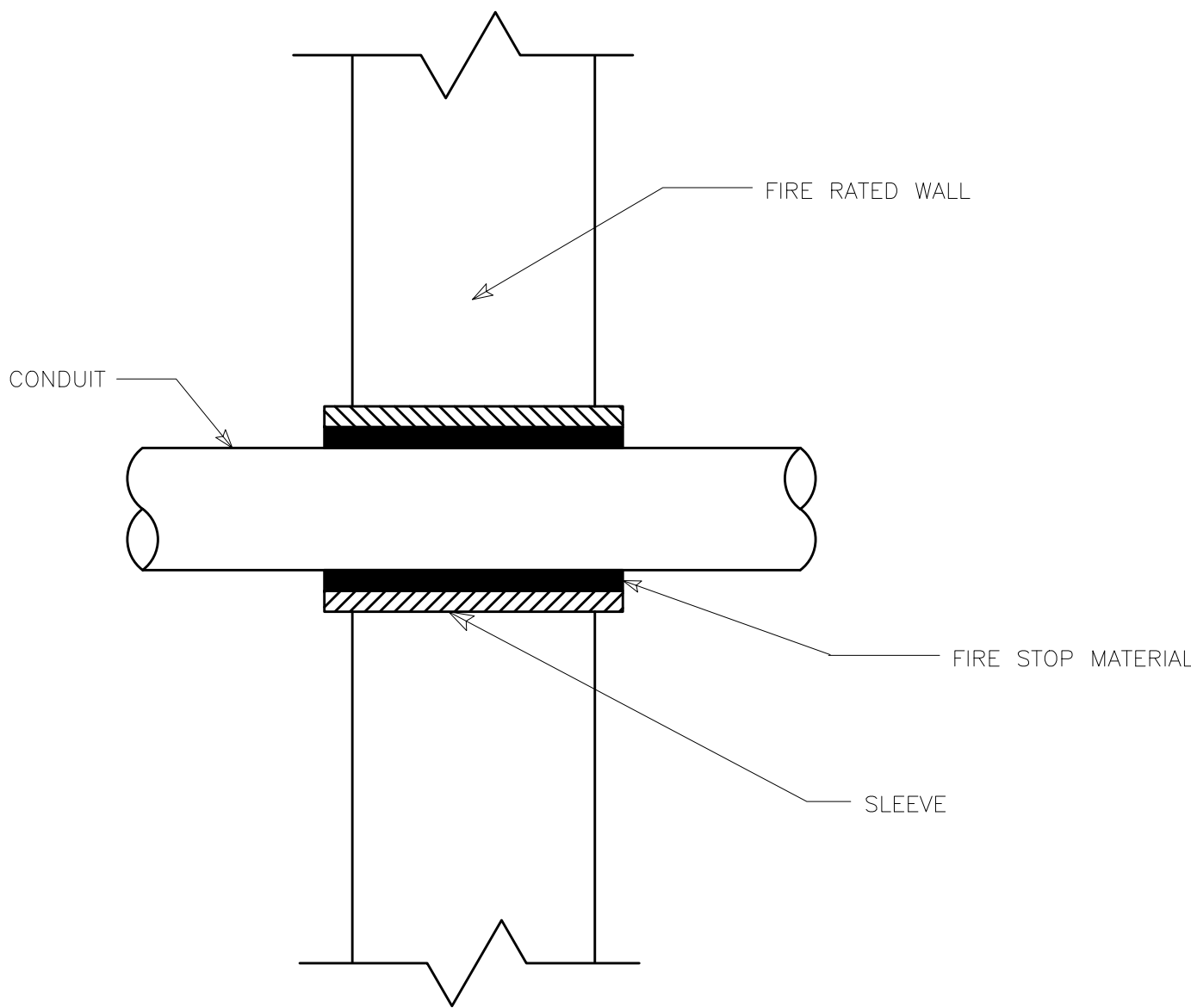
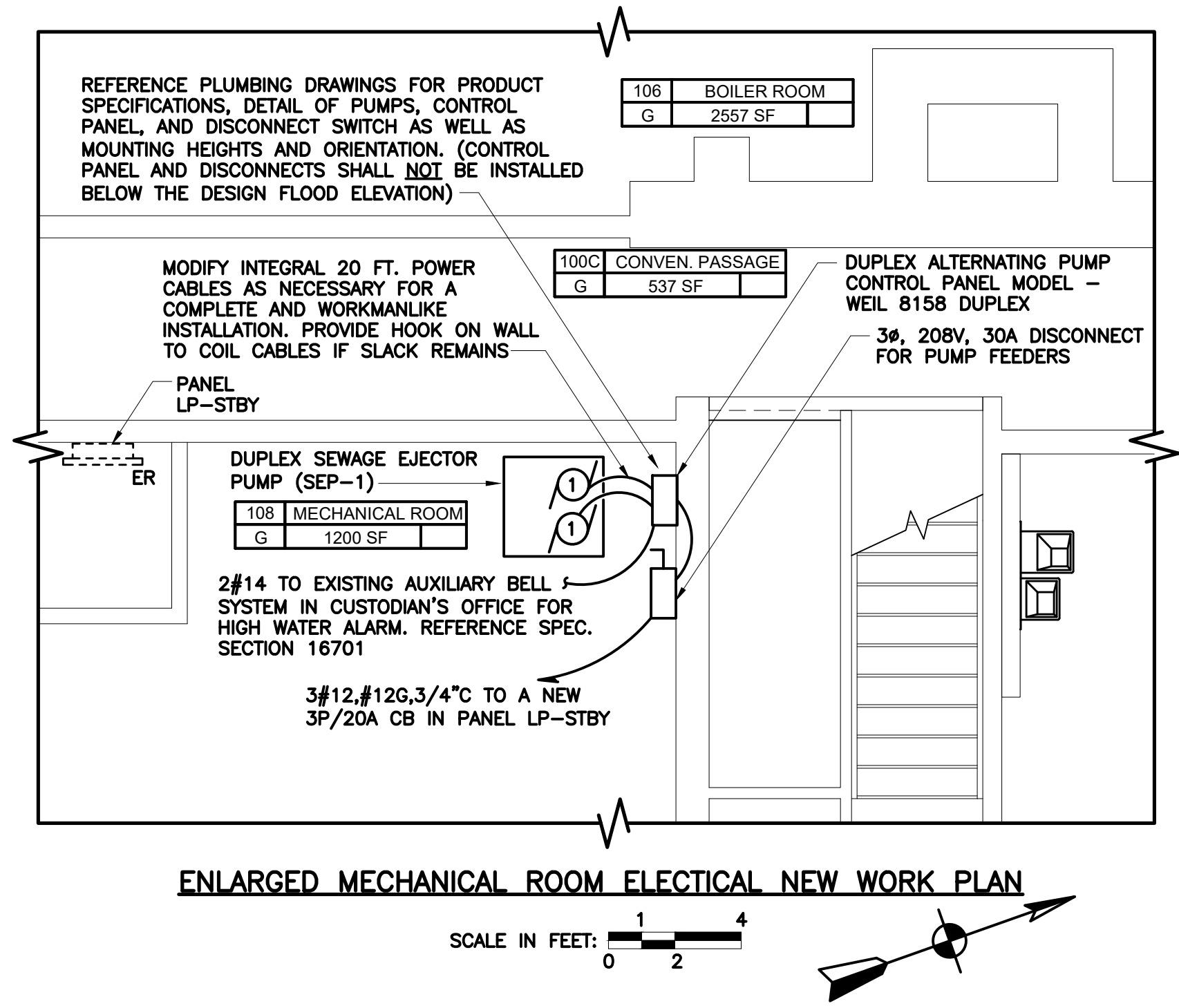
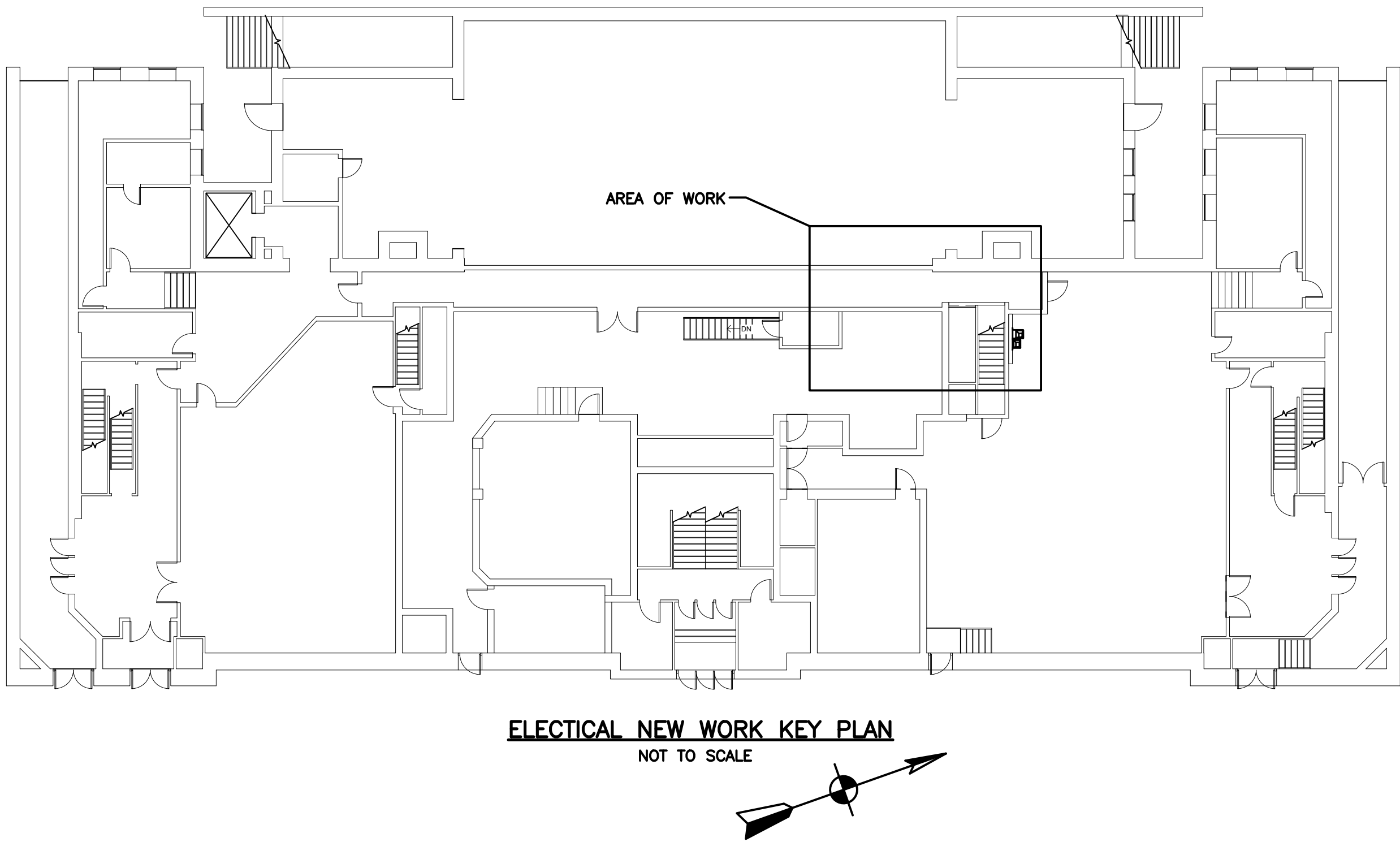
Drawing No.:

E001.00

Sheets in Contract Set:  
41 of 42

Sheets in DOB Set:  
- of 37





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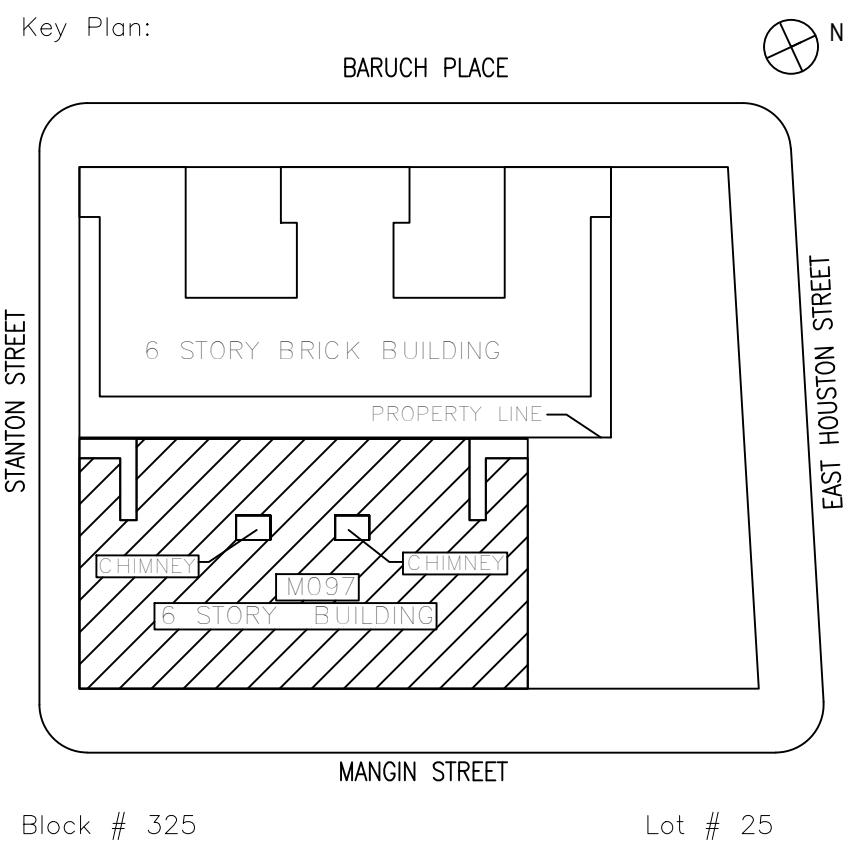
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D019998	M097	05/09/2023

Project:  
**BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM**

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title: **FIRST FLOOR ELECTRICAL  
NEW WORK PLAN, KEY  
PLAN, AND DETAIL**

Drawing No.:  
**E201.00**

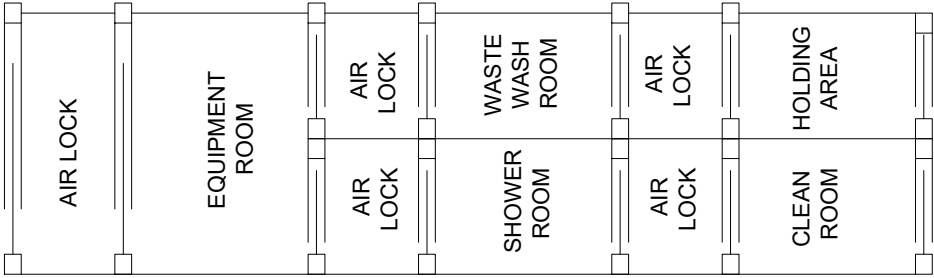
Sheets in Contract Set:  
42 of 42

Sheets in DOB Set:  
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GENERAL NOTES:

1. REMOVAL OF THE ASBESTOS CONTAINING MATERIALS FROM THIS BUILDING WILL BE CONDUCTED IN ACCORDANCE WITH ALL APPLICABLE NYCSCA, NYC, STATE, FEDERAL, EPA, OSHA REGULATIONS- THE STRICTER REQUIREMENT APPLIES. IN ADDITION, THE CONTRACTOR SHALL ENSURE THAT ALL REMOVAL AND ENCAPSULATION IS IN ACCORDANCE WITH THIS DRAWING, THE CONTRACT SPECIFICATIONS, AND ALL APPLICABLE NYCSCA, NYC, STATE, FEDERAL, EPA, OSHA REGULATIONS.
2. THE DRAWING DOES NOT SHOW ALL EQUIPMENT AND MOVABLE OBJECTS WITHIN THE WORK ZONES. THE CONTRACTOR ALONE IS RESPONSIBLE FOR DETERMINING THE ACTUAL ABATEMENT QUANTITIES AND COORDINATING THE RELOCATION OF ANY ITEMS WITH THE OWNER AND ENGINEER.
3. FREE STANDING DECONTAMINATION UNIT PARTITIONS SHALL BE CONSTRUCTED WITH 2 X 4 STUDS, 16 INCH ON CENTER AND ½ INCH CDX PLYWOOD, THEN COVERED WITH TWO LAYERS OF 6- MIL. PLASTIC SHEETING.
4. THE CONTRACTOR IS RESPONSIBLE FOR USING "STANDARD OF CARE" WHEN APPLYING OR REMOVING TAPE, SPRAY ADHESIVE OR ANY OTHER TYPE OF BONDING MATERIAL FROM THE WALLS, FLOORS OR CEILING. IF DAMAGE IS SUSTAINED TO AN AREA DURING THE WORK PROCEDURE, THAT CONTRACTOR IS RESPONSIBLE FOR RETURNING THE AREA BACK TO ITS ORIGINAL CONDITION UNLESS OTHERWISE NOTED.



TYPICAL DECONTAMINATION UNIT  
NO SCALE

ASBESTOS CONTAINING MATERIAL LEGEND- ALL ASSUMED ASBESTOS CONTAINING MATERIAL MUST EITHER BE TESTED DURING CONSTRUCTION OR REMOVED AS ASBESTOS WASTE- FOLLOW SPECIFICATIONS:

 - CONFIRMED ACM PIPE/PIPE JOINT INSULATION.

SPECIFICATION NOTES:

Note 1: The contractor shall assume that ACM debris exists within the ceiling plenum and it is damaged. Thus, any materials associated with this debris shall be disposed of as ACM-contaminated waste at no additional cost to the Authority.

Note 2: All selective demolition into inaccessible spaces (including but not limited to pipe chases, ceiling plenums, soffits, etc.) must be conducted exclusively by the Abatement Contractor in modified tents or in full containments under controlled conditions in the presence of the Authority's environmental consultant.

Note 3: Any scaffolding erected shall be the responsibility of the General Contractor, will be constructed, maintained, and operated in accordance with the applicable federal, state, city & NYC/SCA rules, regulations and procedures and signed off by a licensed PE and approved by the SCA Safety Unit. The General contractor shall solely be responsible for any delays resulting from the rejection of his/her design by the Safety Unit.

Note 4: Any materials not listed or addressed in part 4 of spec 02081 must be assumed to be Asbestos-Containing Materials. The Contractor shall notify the Project Officer immediately if any materials that are not listed are encountered, who will then notify the Authority's Industrial Hygienist for directive.

Note 5: The General Contractor shall be responsible for providing the Authority's Environmental Consultant with access to all assumed ACM in order to facilitate sampling/ inspection of these materials at no additional cost to the Authority. The turn-around-time for bulk sampling and analysis shall not be deemed as a basis for a delay claim against the Authority.

Note 6: The contractor may opt to remove all fiberglass insulated pipes as asbestos contaminated material in order to expedite his/her schedule; however, the additional cost of re-insulation shall be borne solely by the General Contractor.

Note 7: The general contractor must provide all material, manpower and equipment to access all assumed ACM materials for sampling by the Authority, at no extra cost to the Authority.

Note 8: Unless otherwise noted, all caulks/sealants (including concealed/inaccessible) are presumed to be ACM and PCB-containing. The Contractor shall refer to SCA specification section 1.01 in section S01900 for additional handling and disposal requirements.

Note 9: The Asbestos Contractor shall be responsible for protecting all areas (floors and fixed items) underneath the elevated containment. At a minimum, a layer of 6-mil poly shall be draped over all immovable objects underneath the elevated containment.

Note 10: Asbestos Contractor shall be responsible for all repairs to finish surfaces which are damaged during the course of the abatement work which are not included in the proposed scope of work.

Note 11: All connections/ disconnections to existing electrical panels, fixtures, pull boxes, etc. shall be conducted by a licensed electrician with an asbestos handler license.

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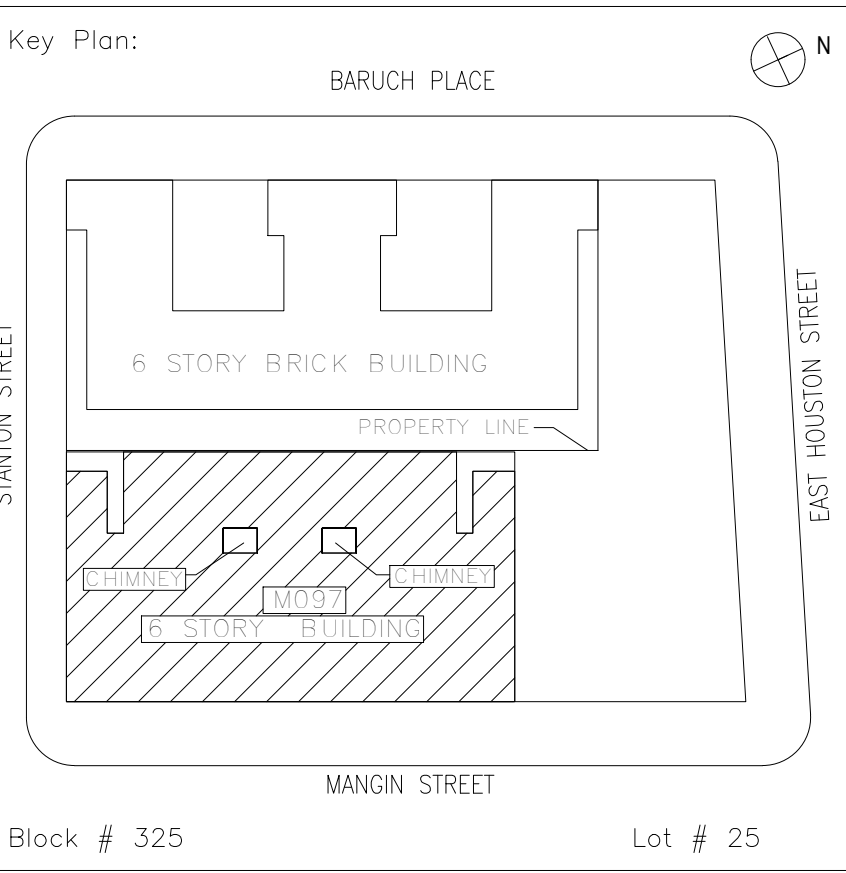
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ENVIRONMENTAL MANAGEMENT SOLUTIONS

420 COLUMBUS AVENUE,  
VALHALLA, NY 10595

— 05/09/2023 ISSUED FOR BID		
No.	Date	Revision



SCA Design Manager:		NASER HAMOUEH, P.E.
Project Architect/Engineer:		JEFFREY RABINER, P.E.
Discipline Lead:		DAVE CHARBONNEAU
Designer:		DAVE CHARBONNEAU
Drawn by:		LUIS LOAYZA
Checked by:		FABIO PEDONE AH- 93-16035
Design No or LLW No.:	Building ID:	Date:
D019998	M097	05/09/2023

Project:  
BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
ASBESTOS NOTES  
AND LEGEND

Drawing No.:  
H101.00

Sheets in Contract Set:  
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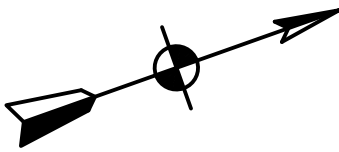
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H102

PARTIAL FIRST FLOOR ASBESTOS REMOVAL PLAN  
NTS



REFER TO H101 FOR ASBESTOS REMOVAL LEGEND

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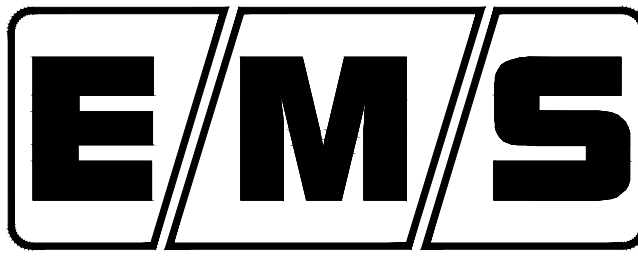
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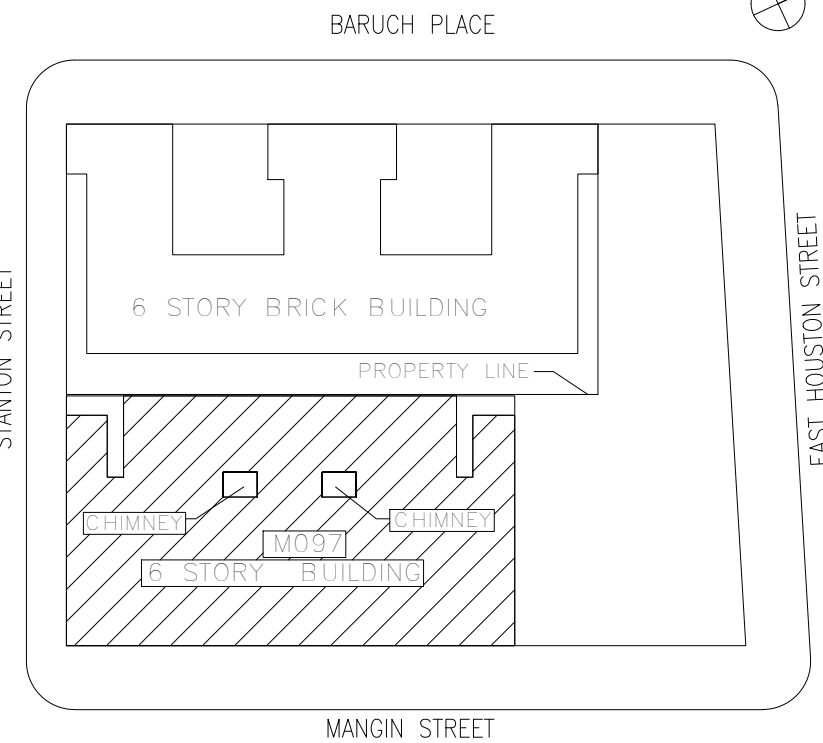


420 COLUMBUS AVENUE,  
VALHALLA, NY 10595

05/09/2023 ISSUED FOR BID

No. Date Revision

Key Plan:



Block # 325 Lot # 25

SCA Design Manager: NASER HAMOUEH, P.E.

Project Architect/Engineer: JEFFREY RABINER, P.E.

Discipline Lead: DAVE CHARBONNEAU

Designer: DAVE CHARBONNEAU

Drawn by: LUIS LOAYZA

Checked by: FABIO PEDONE AH- 93-16035

Design No or LLW No.: D019998	Building ID: M097	Date: 05/09/2023
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Project:  
BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
FIRST FLOOR ASBESTOS  
REMOVAL PLAN

Drawing No.:

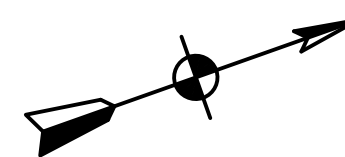
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REFER TO H101 FOR ASBESTOS REMOVAL LEGEND



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- 05/09/2023 ISSUED FOR BID

No. Date Revision

Key Plan:

BARUCH PLACE

STATION STREET

EAST HOUSTON STREET

6 STORY BRICK BUILDING

PROPERTY LINE

WALKWAY

MOBIL

CHURCH

6 STORY BUILDING

MANGIN STREET

Block # 325 Lot # 25

Project: BARD COLLEGE HS, MANHATTAN WASTE SYSTEM	
Address: 525 EAST HOUSTON STREET NEW YORK, NY 10002	
Drawing Title: GROUND FLOOR PART PLAN ASBESTOS REMOVAL PLAN	

Drawing No.:  
**H103.00**

Sheets in Contract Set:  
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Sheets in DOB Set:  
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KEY OF SYMBOLS	
//////	INDICATES ITEMS TO BE REMOVED
—X—X—	UNDERGROUND EXISTING WORK TO BE ABANDONED
-----	EXISTING UNDERGROUND WORK TO REMAIN
-----	EXISTING WORK TO REMAIN
=====	NEW WORK
—SD—	STORM PIPING
—SAN—	SANITARY PIPING
-----	VENT PIPING
-----	SANITARY/WASTE PIPING UNDERGROUND
⊙	NEW CONNECTION POINT
⊖	DISCONNECTION POINT
∩	PIPE DOWN
⊙	PIPE UP
⌋	BACKWATER VALVE
∩	PIPE CAP
⊙	CLEAN OUT DECK PLATE OR GRADE PLATE
∩	CLEAN OUT

### GENERAL NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND APPROVALS ASSOCIATED WITH HIS WORK.
- SHOP DRAWINGS FOR ALL EQUIPMENT AND SYSTEMS SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION.
- PATCH AND PAINT CEILINGS AND WALLS THAT ARE DAMAGED DUE TO PLUMBING PIPING INSTALLATION. COLOR TO BE AS SELECTED BY ARCHITECT.
- PAINT ALL EXPOSED PIPING TO MATCH SURROUNDING CONDITIONS. COLOR TO BE AS SELECTED BY THE ARCHITECT.
- CONTRACTOR SHALL PROTECT ALL EXISTING AREAS, EQUIPMENT, AND MATERIALS WITHIN PROJECT AREA DURING CONSTRUCTION. ALL DAMAGED AREAS, EQUIPMENT AND MATERIALS SHALL BE REPAIRED AT NO COST TO THE OWNER BY THE CONTRACTOR.
- ALL NEW AND EXISTING HORIZONTAL STORM PIPING SHALL BE PROVIDED WITH 1 INCH OF INSULATING MATERIAL HAVING A CONDUCTIVITY NOT EXCEEDING 0.23 BTU PER INCH/H X FT<sup>2</sup> X °F. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ALL WATER SYSTEMS THAT HAVE BEEN AFFECTED BY THIS PROJECT SHALL BE DISINFECTED AS PER NYC PLUMBING CODE SECTION 610.
- ALL PLUMBING VENTS SHALL TERMINATE ABOVE THE DFE.
- ALL EXISTING SANITARY, VENT, COLD WATER AND HOT WATER PIPING SYSTEMS HAVE ADEQUATE CAPACITY AND PRESSURE FOR FIXTURES TO FUNCTION AND WILL NOT RESULT IN THE EXISTING INSTALLATION TO BECOME OVERLOADED.

ABBREVIATIONS	
SEP-1	SEWAGE EJECTOR PUMP
S	SANITARY
V	VENT
W	WASTE
SD	STORM
PD	PUMP DISCHARGE
DN	DOWN
U.O.N.	UNLESS OTHERWISE NOTED
TYP.	TYPICAL

### SPECIAL INSPECTIONS:

- SPECIAL INSPECTIONS REQUIRED IN ACCORDANCE WITH CHAPTER 17 AND THE APPLICABLE SECTIONS OF THE NYC CONSTRUCTION CODE ARE LISTED BELOW:  
  
FIRE-RESISTANT PENETRATIONS AND JOINTS (BC 1704.27)

### 2014 NYC BUILDING DEPARTMENT PLUMBING NOTES:

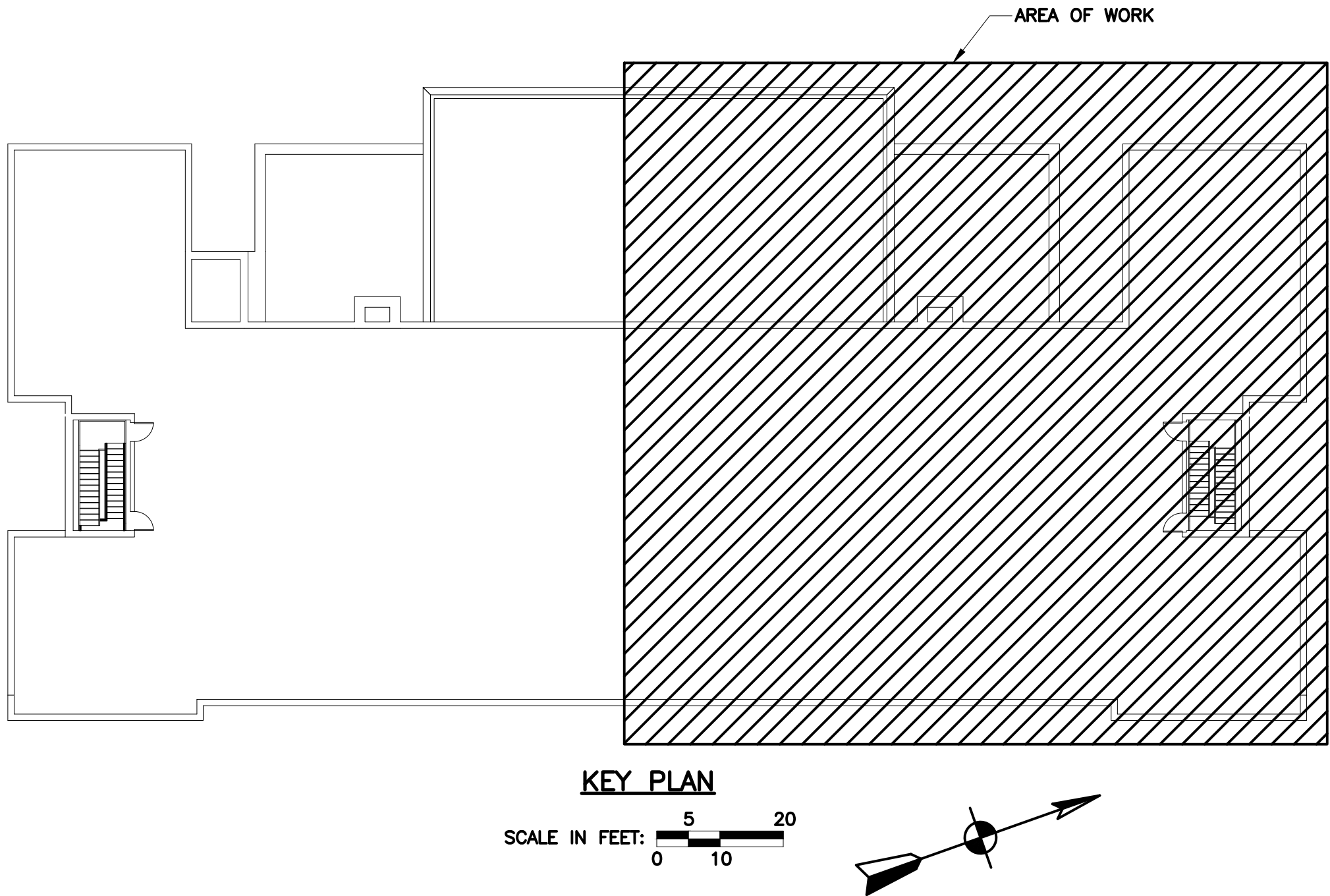
- ALL PLUMBING WORK SHALL MEET THE REQUIREMENTS OF THE 2014 NEW YORK CITY PLUMBING CODE.
- PROTECTION OF PIPING AS DIRECTED IN SECTION PC 305 SHALL BE PROVIDED AS REQUIRED.
- ALL PIPING AND MATERIALS SHALL BE AS DIRECTED IN SECTIONS PC 303 & PC 702.
- PIPING JOINTS AND CONNECTIONS SHALL BE AS DIRECTED IN SECTIONS PC 605 & PC 702.
- CONSTRUCTION, QUANTITIES, DEVICES, FIXTURES, FAUCETS, VALVES, AND FACILITIES FOR THE DISABLED SHALL BE AS DIRECTED IN CHAPTER 4.
- TRAPS SHALL BE AS PER SECTION PC 1002.
- CONSTRUCTION AND SPACING OF HANGERS AND SUPPORTS SHALL BE AS DIRECTED IN SECTION PC 308.
- WATER SUPPLY SYSTEM, VALVES, AND TESTS SHALL BE AS DIRECTED IN CHAPTER 6. VALVES SHALL BE PROVIDED AT RISERS AND ELSEWHERE AS PER SECTION PC 606.
- SANITARY DRAINAGE PIPING, SIZING, GRADING AND OFFSETS SHALL BE AS DIRECTED IN CHAPTER 7.
- VENT SIZING, GRADING, CONNECTIONS, LOCATIONS AND OFFSETS SHALL BE AS DIRECTED IN CHAPTER 9.
- CLEAN OUT FOR SANITARY AND WASTE SHALL BE AS DIRECTED PER SECTION PC 708.
- ALL PLUMBING WORK SHALL BE DONE BY OR UNDER THE DIRECT SUPERVISION OF A LICENSED MASTER PLUMBER AS PER SECTION 28-408 OF THE 2014 NYC GENERAL ADMINISTRATIVE PROVISIONS CODE.
- ALL NEW OR ALTERED WATER SYSTEMS SHALL BE DISINFECTED IN ACCORDANCE WITH PC 610.1

### SCOPE OF WORK

THE FOLLOWING IS A SCOPE OF WORK SUMMARY FOR THIS PROJECT. IT DESCRIBES ALL OF THE PLUMBING COMPONENTS OF WORK WHICH ARE INCLUDED IN THIS PROJECT:

- CUT AND PATCH EXISTING CAFETERIA FLOOR TO ACCESS EXISTING SANITARY AND STORM PIPING CONNECTED TO THE EXISTING OUTFALL. DISCONNECT THE EXISTING 6" BACK PITCHED PIPING FROM THE EXISTING COMBINED SANITARY/STORM OUTFALL AND ABANDON. DISCONNECT ALL STORM PIPING FROM THE COMBINED SANITARY/STORM OUTFALL AND ROUTE PIPING TO NEW STORM TRAP.
- PROVIDE NEW 6" STORM TRAP WITHIN 4'X3' CONCRETE PIT WITH ACCESS HATCH LOCATED IN THE KITCHEN. REMOVE, STORE AND RECONNECT EXISTING EQUIPMENT AS REQUIRED TO INSTALL THE PIT AND ASSOCIATED PIPING.
- PROVIDE NEW 6" BACKWATER VALVE WITHIN THE CONCRETE PIT.
- DISCONNECT, STORE AND RECONNECT EXISTING 6" BACKWATER VALVE AS REQUIRED TO MODIFY OUTFALL TO CONNECT NEW STORM PIPING.
- DISCONNECT EXISTING STORM PIPING WITHIN THE CEILING OF THE CAFETERIA, MECHANICAL ROOM AND ASSOCIATED SPACES, AND REMOVE. CONNECT NEW STORM PIPING TO EXISTING PIPING WITHIN CEILING AND ROUTE TO THE NEW STORM TRAP. INSULATE ALL EXISTING AND NEW HORIZONTAL STORM PIPING.
- PROVIDE NEW DUPLEX SEWAGE EJECTOR PUMP WITHIN THE MECHANICAL ROOM TO SERVE THE EXISTING PLUMBING FIXTURES UPSTREAM OF THE BACK PITCHED PIPING WITHIN THE FIRST FLOOR.

DRAWING INDEX	
DWG. #	DRAWING TITLE
P001.00	KEY OF SYMBOLS, ABBREVIATIONS AND GENERAL NOTES
P002.00	PLUMBING SCHEDULES
P061.00	FIRST FLOOR PLUMBING REMOVALS PLAN WEST
P062.00	FIRST FLOOR PLUMBING REMOVALS PLAN EAST AND SECTIONS
P201.00	FIRST FLOOR PLUMBING NEW WORK PLAN WEST, PART PLAN AND SECTION
P202.00	FIRST FLOOR PLUMBING NEW WORK PLAN EAST AND SECTIONS
P301.00	SANITARY AND STORM DRAINAGE RISER DIAGRAMS
P401.00	PLUMBING DETAILS



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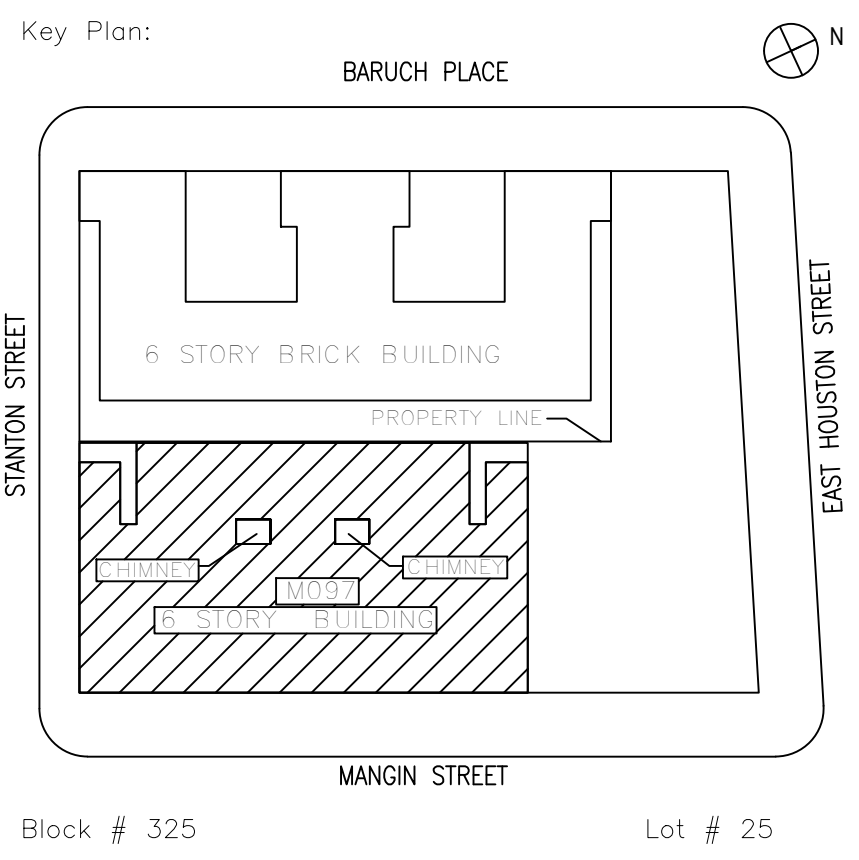
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—	05/09/2023	ISSUED FOR BID
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No.	Date	Revision



SCA Design Manager:	NASER HAMOUEDEH, P.E.	
Project Architect/Engineer:	JEFFREY RABINER, P.E.	
Discipline Lead:	JOHN HIGGINS, P.E.	
Designer:	DANIEL GIANNOTTA	
Drawn by:	DANIEL GIANNOTTA	
Checked by:	JOHN HIGGINS, P.E.	
Design No or LLW No.:	Building ID:	Date:
D019998	M097	05/09/2023

Project:  
**BARD COLLEGE HS, MANHATTAN WASTE SYSTEM**

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
**KEY OF SYMBOLS, ABBREVIATIONS AND GENERAL NOTES**

DOB NOW JOB #M00660122-11

Drawing No.:	<b>P001.00</b>
Sheets in Contract Set:	33 of 42
Sheets in DOB Set:	30 of 37




PLUMBING MATERIALS		
PIPING SYSTEM	LOCATION	REQUIREMENT
STORM PIPING	INTERIOR (ABOVE GROUND)	SERVICE WEIGHT CAST IRON (SVC) NO--HUB WITH MECHANICAL STAINLESS STEEL COUPLINGS. GALVANIZED STEEL PIPE SCHEDULE 40, WITH THREADED DRAINAGE FITTINGS ALLOWED FOR 3" DIA. AND SMALLER.
	INTERIOR (UNDER GROUND)	SERVICE WEIGHT CAST IRON BELL AND SPIGOT WITH LEAD AND OAKUM JOINTS.
SANITARY PIPING (WASTE & VENT)	INTERIOR (ABOVE GROUND AND HOUSE DRAIN LINES)	SERVICE WEIGHT CAST IRON (SVC) NO--HUB WITH MECHANICAL STAINLESS STEEL COUPLINGS. GALVANIZED STEEL PIPE SCHEDULE 40, WITH THREADED DRAINAGE FITTINGS ALLOWED FOR 3" DIAMETER AND SMALLER.
	INTERIOR (PUMP DISCHARGE)	GALVANIZED STEEL PIPE SCHEDULE 40, WITH THREADED DRAINAGE FITTINGS, VICTAULIC FITTING IN CONJUNCTION WITH GROOVE PIPE, 2" AND LARGER IS PERMITTED.
	INTERIOR (UNDER GROUND)	SERVICE WEIGHT CAST IRON BELL AND SPIGOT WITH LEAD AND OAKUM JOINTS.

SEWAGE EJECTOR PUMP SCHEDULE											
UNIT TAG	SERVICE	TYPE	GPM	TOTAL DYNAMIC HEAD (FEET OF WATER)	MAX. OPERATING TEMPERATURE (°F)	ELECTRICAL				BASIS OF SELECTION (MANUFACTURER AND MODEL NUMBER)	REMARKS
						MIN. MOTOR HORSEPOWER	VOLTS	PHASE	HERTZ		
SEP--1	FIRST FLOOR FIXTURES	SUMP (DUPLEX)	25	25	110	1	208	3	60	WEIL 2436 SUBMERSIBLE GRINDER	SEE NOTE BELOW

1. PROVIDE 42" INSIDE DIAMETER X 36" DEEP FIBERGLASS BASIN WITH ANTI--FLOATATION FLANGE. COORDINATE ALL REQUIREMENTS WITH MANUFACTURER
2. PROVIDE WEIL SERIES 8230 SUBMERSIBLE LIQUID LEVEL CONTROLS WITH 4 LEVEL SENSING SWITCHES WITH 20' CORDS MOUNTED ON STAINLESS STEEL PIPE AND COVER BRACKET. SYSTEM SHALL PROVIDE ALL PUMPS OFF, LEAD PUMP OPERATION ALONG WITH ALTERNATION, TWO PUMP EMERGENCY PROTECTION AND HIGH WATER ALARM CONDITION. PROVIDE DUPLEX CONTROL PANEL FOR PUMP WEIL MODEL 8158, NEMA--1 UL LISTED IN CABINET WITH HINGED DOOR. PROVIDE ALL POWER AND CONTROL WIRING IN FULL ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. PUMPS SHALL BE ALTERNATING LEAD--LAG CONTROL.

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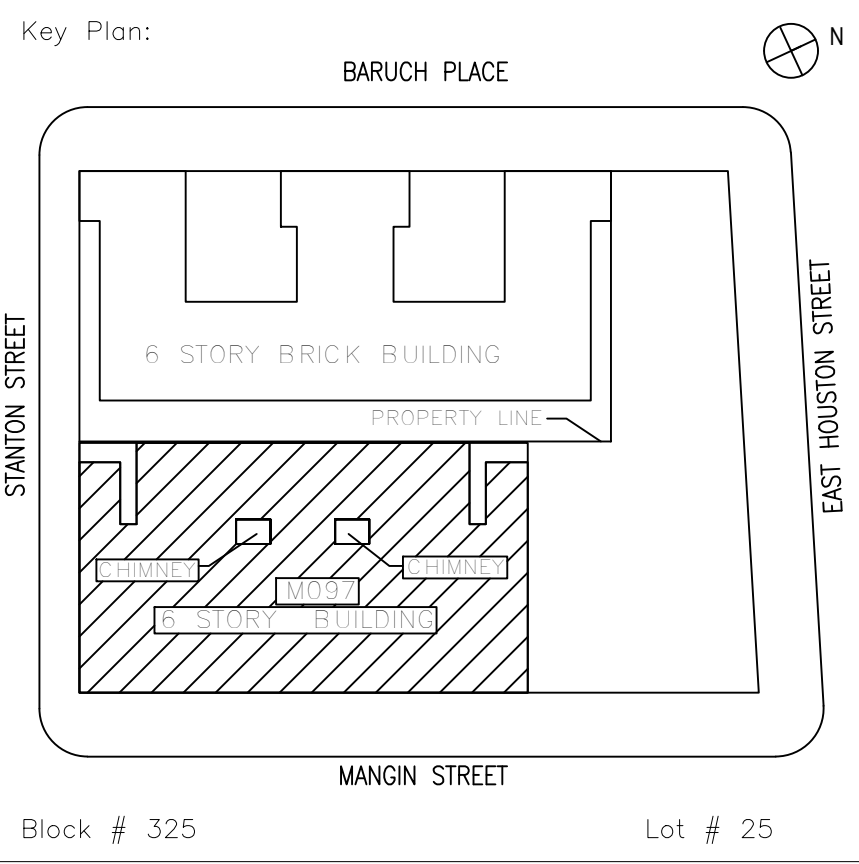
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D019998	M097	05/09/2023

Project:  
BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM

Address:  
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NEW YORK, NY 10002

Drawing Title:  
PLUMBING SCHEDULE

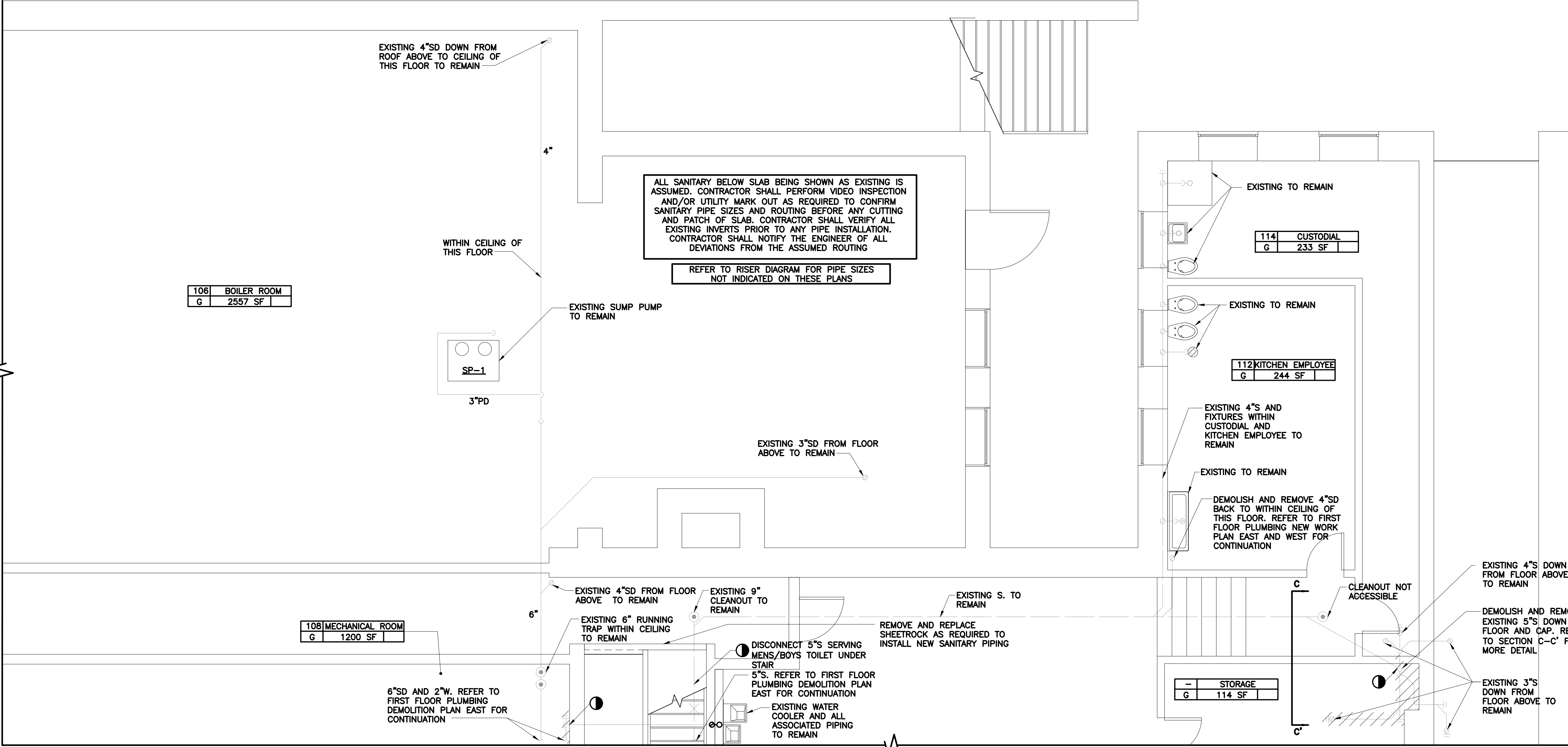
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P002.00

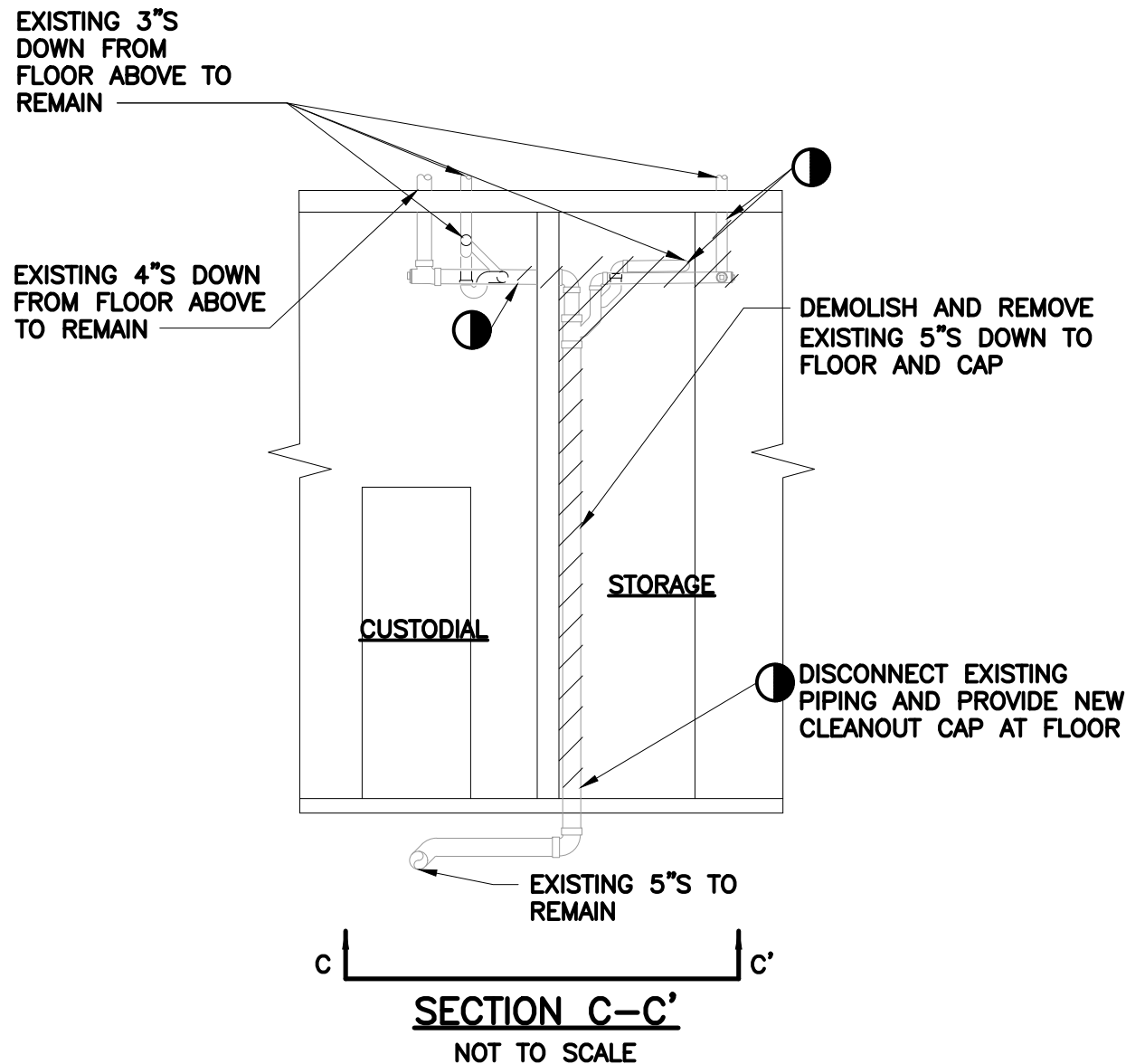
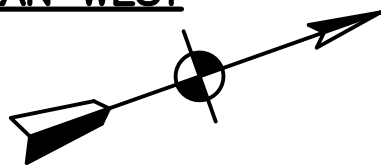
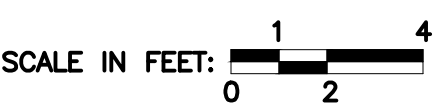
Sheets in Contract Set:  
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Sheets in DOB Set:  
31 of 37





FIRST FLOOR PLUMBING REMOVALS PLAN WEST



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**Ysrael A. Seinuk  
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228 East 45th Street / New York, NY 10017  
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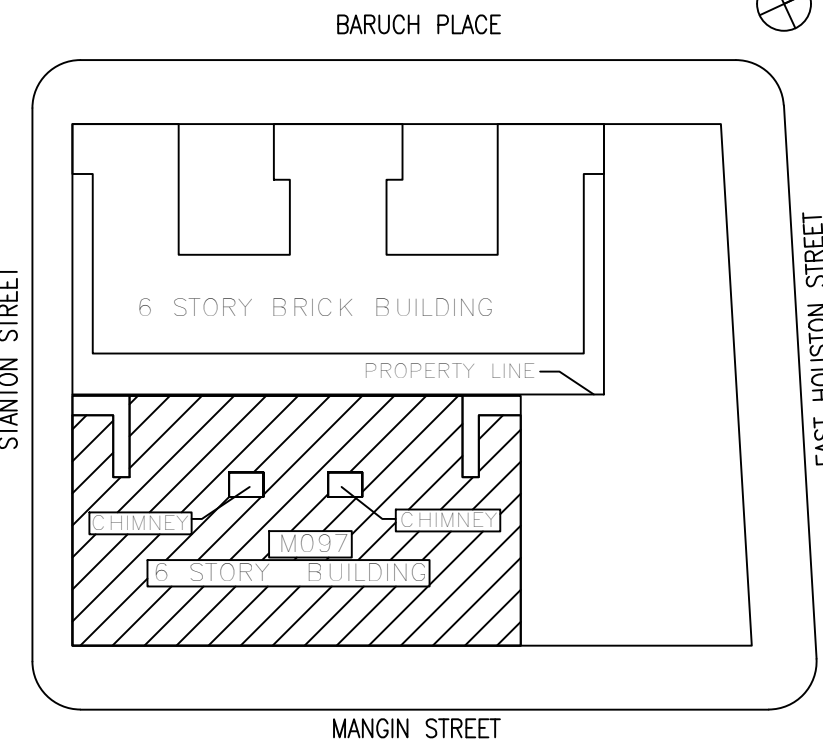
**NOTE:** Drawing may be printed at reduced scale

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05/09/2023 ISSUED FOR BID

No. Date Revision

Key Plan:



SCA Design Manager: NASER HAMOUEDEH, P.E.

Project Architect/Engineer: JEFFREY RABINER, P.E.

Discipline Lead: JOHN HIGGINS, P.E.

Designer: DANIEL GIANNOTTA

Drawn by: DANIEL GIANNOTTA

Checked by: JOHN HIGGINS, P.E.

Design No or LLW No.: D019998 Building ID: M097 Date: 05/09/2023

Project:  
**BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM**

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
**FIRST FLOOR PLUMBING  
REMOVALS PLAN WEST**

DOB NOW JOB #M00660122-I1

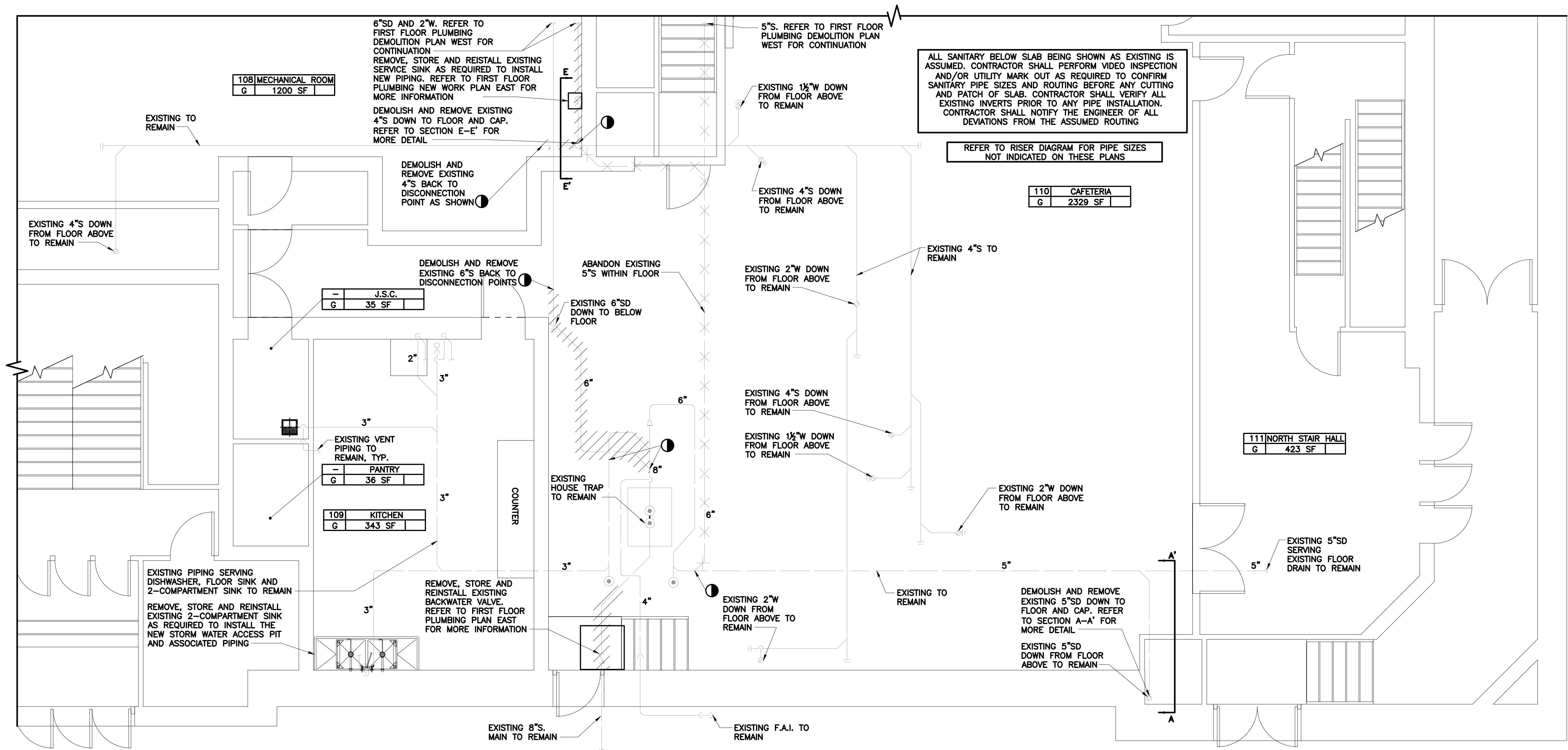
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**P061.00**

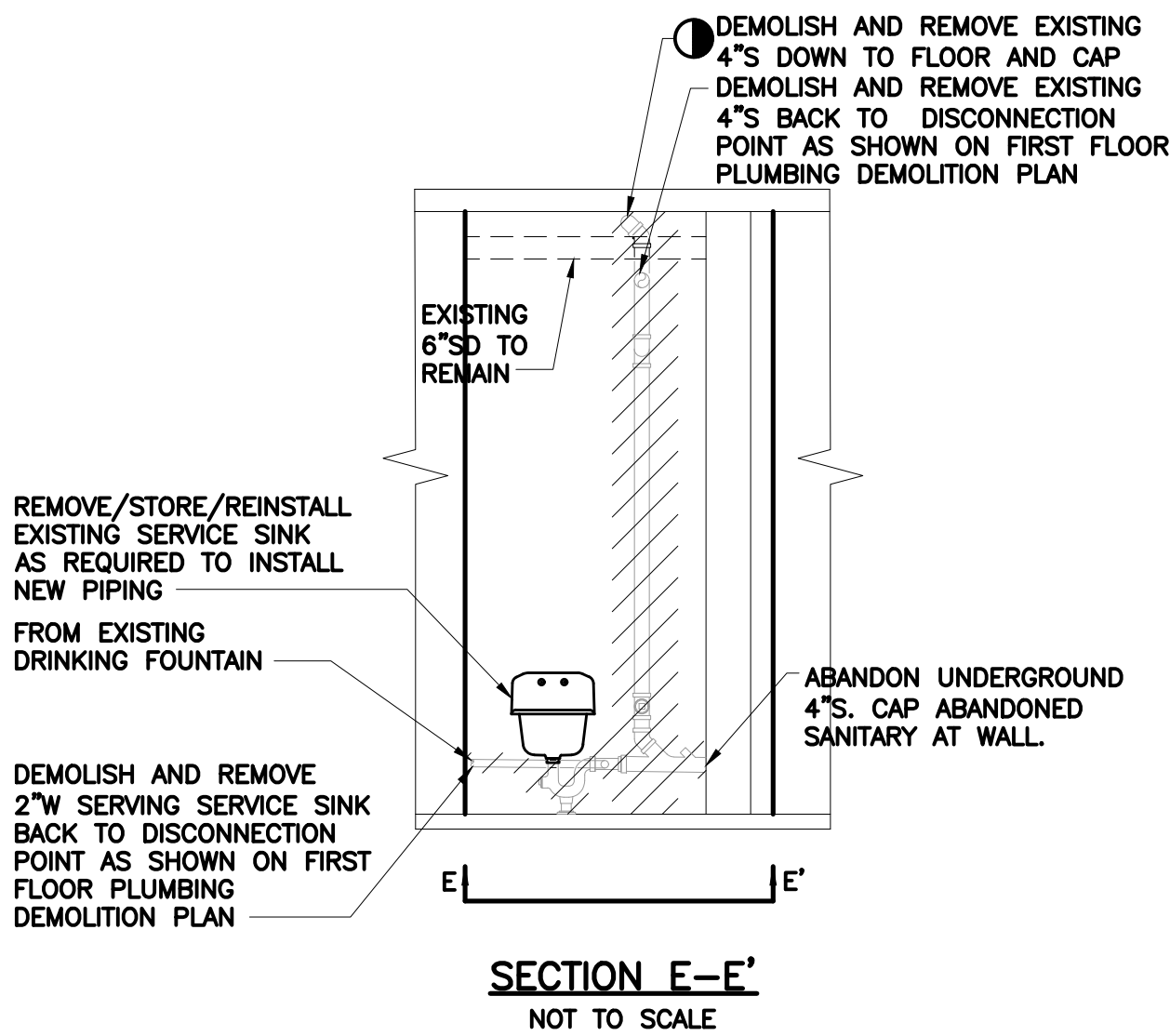
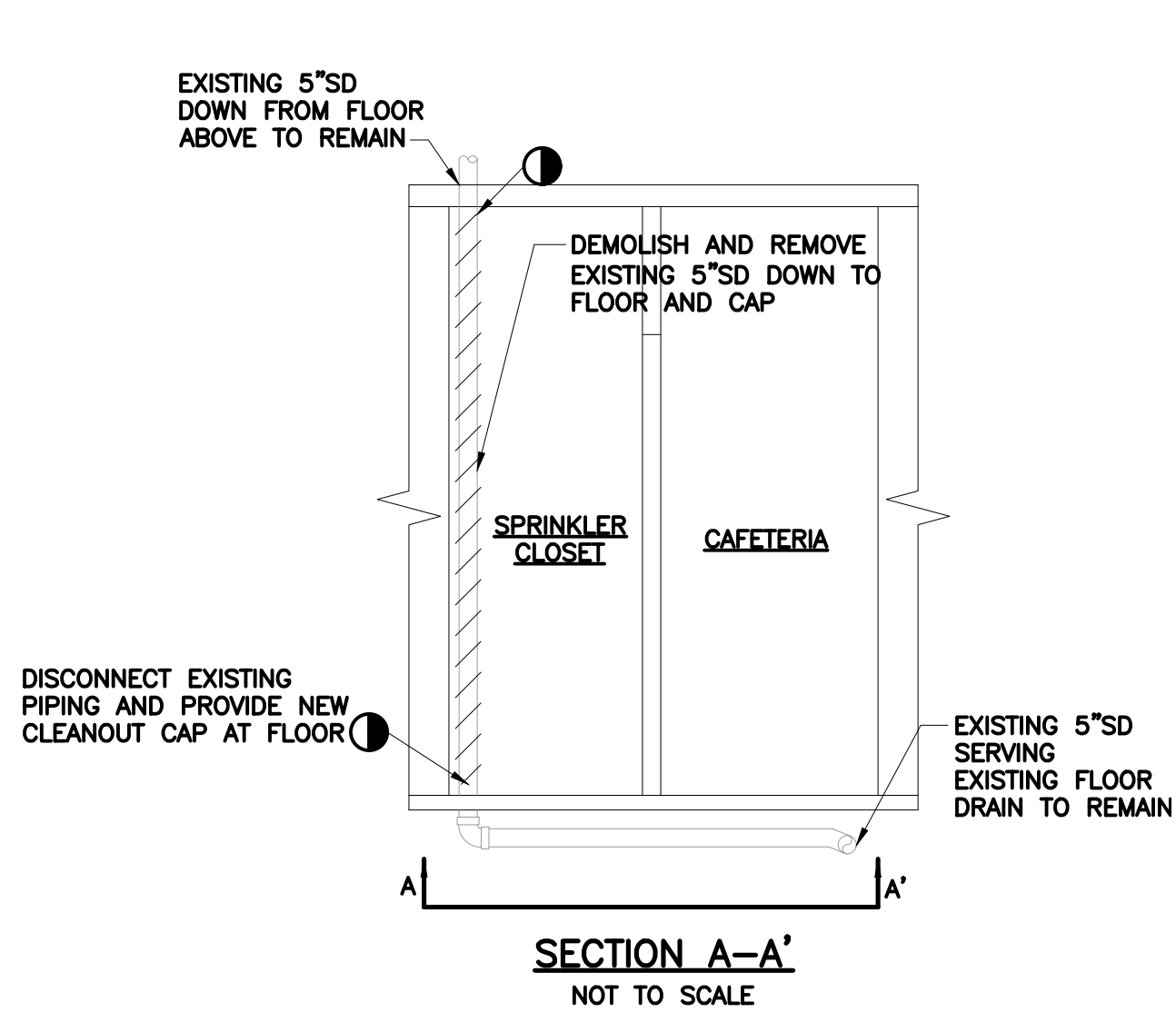
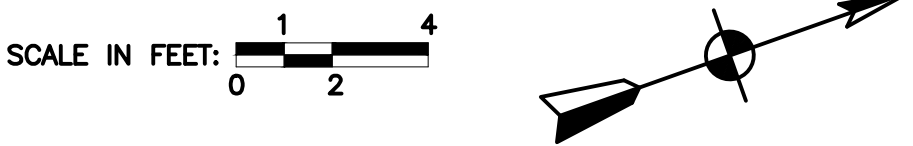
Sheets in Contract Set:  
35 of 42

Sheets in DOB Set:  
32 of 37





FIRST FLOOR PLUMBING REMOVALS PLAN EAST



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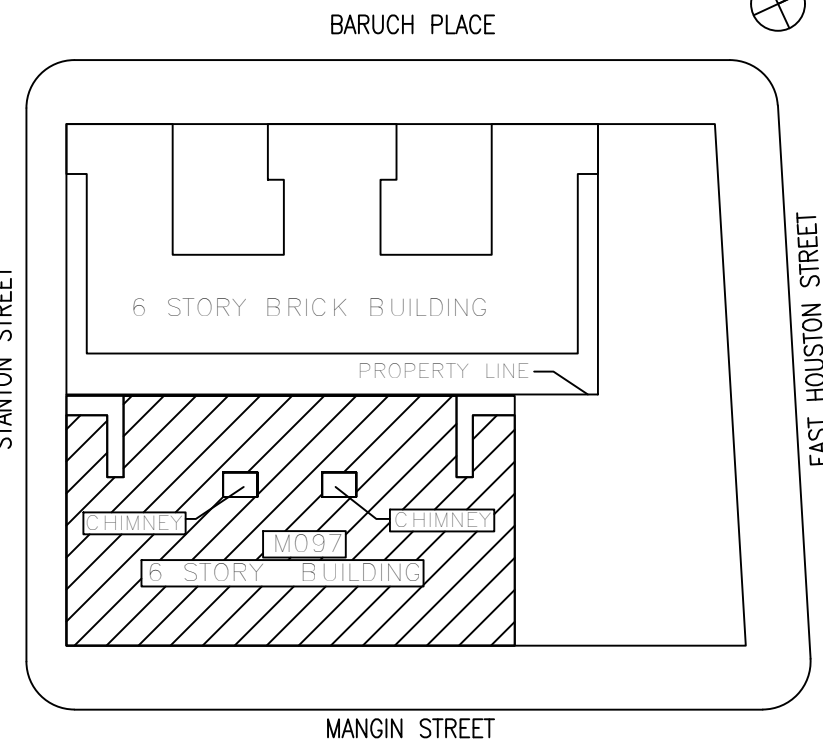
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05/09/2023 ISSUED FOR BID

No. Date Revision

Key Plan:



Block # 325

Lot # 25

SCA Design Manager: NASER HAMOUEDEH, P.E.

Project Architect/Engineer: JEFFREY RABINER, P.E.

Discipline Lead: JOHN HIGGINS, P.E.

Designer: DANIEL GIANNOTTA

Drawn by: DANIEL GIANNOTTA

Checked by: JOHN HIGGINS, P.E.

Design No or LLW No.: D019998 Building ID: M097 Date: 05/09/2023

Project:  
**BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM**

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
**FIRST FLOOR PLUMBING REMOVALS  
PLAN EAST AND SECTIONS**

DOB NOW JOB #M00660122-I1

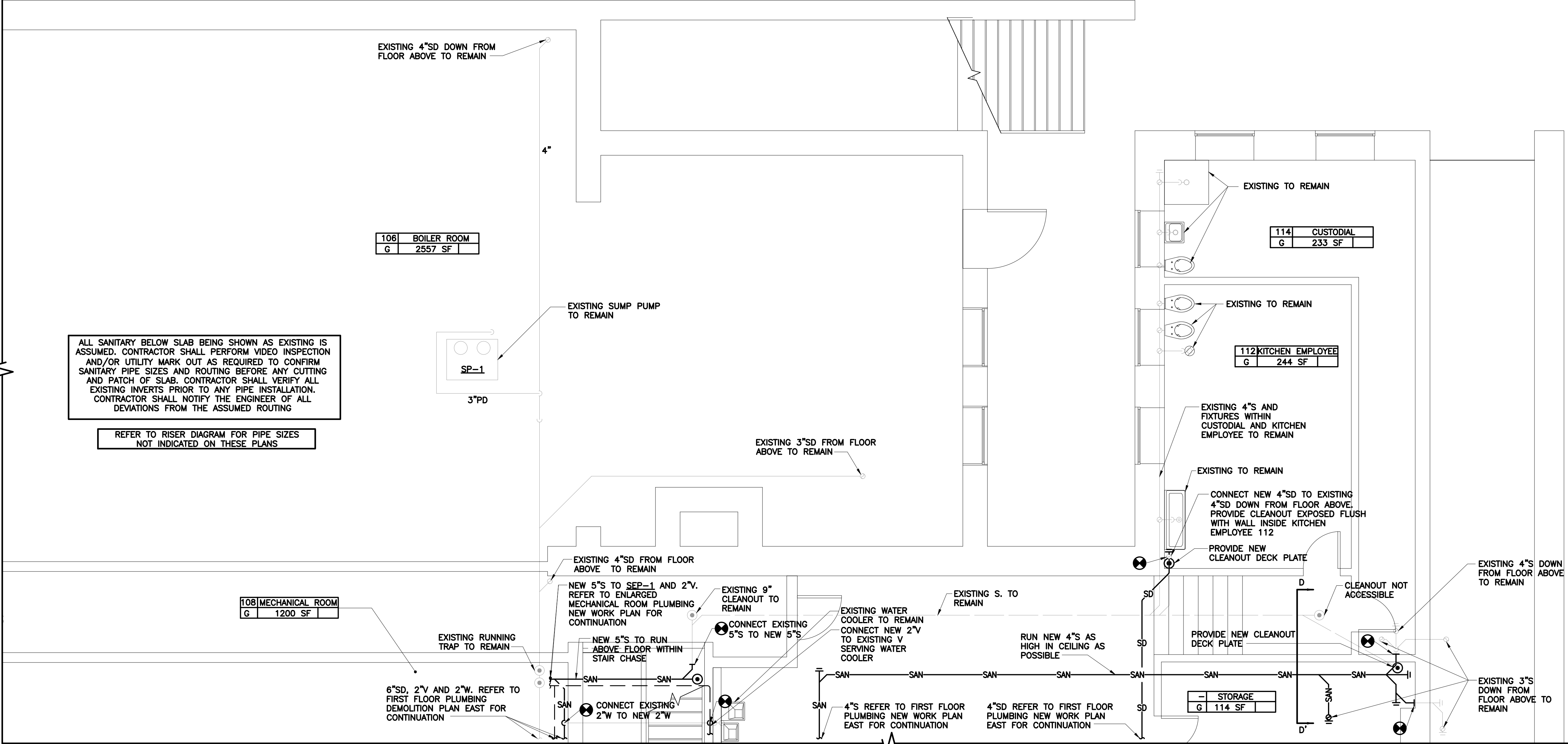
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Sheets in Contract Set:  
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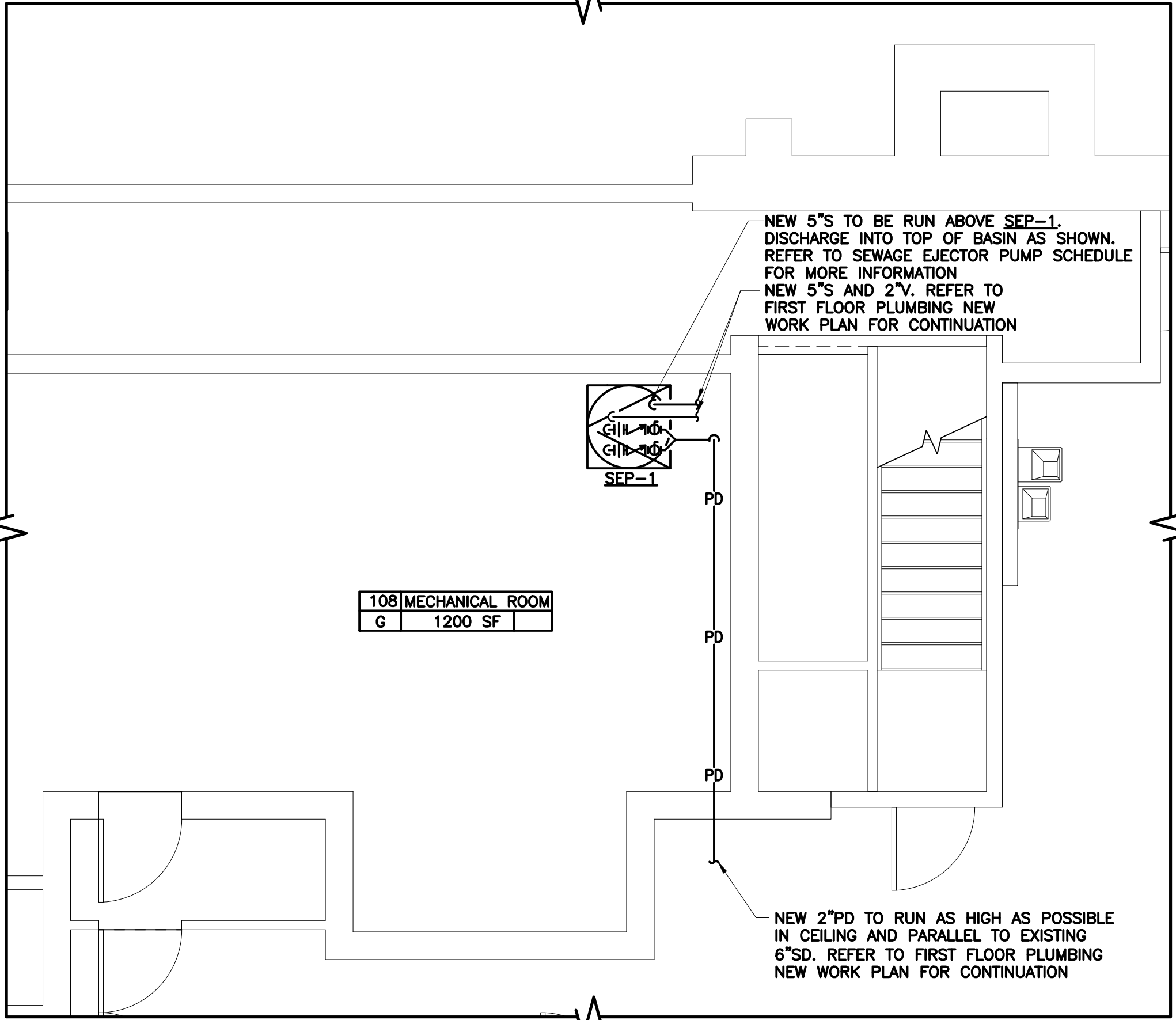
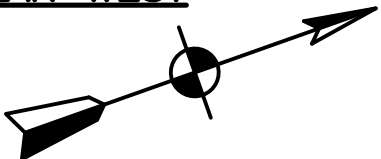
Sheets in DOB Set:  
33 of 37





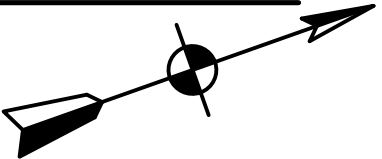
FIRST FLOOR PLUMBING NEW WORK PLAN WEST

SCALE IN FEET: 0 1 2 4



ENLARGED MECHANICAL ROOM PLUMBING NEW WORK PLAN

SCALE IN FEET: 0 1 2 4



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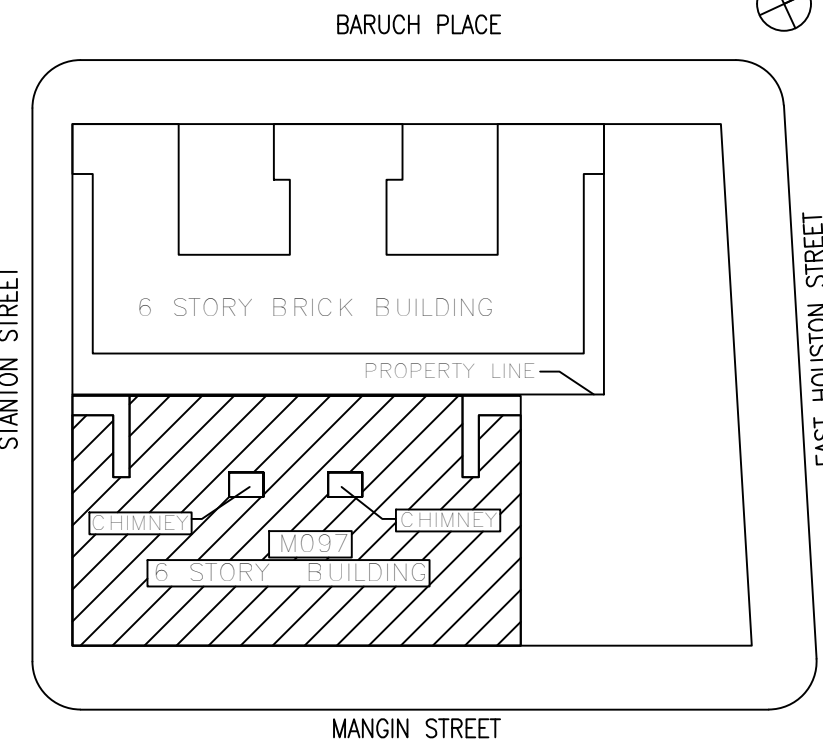
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Drawn by: DANIEL GIANNOTTA

Checked by: JOHN HIGGINS, P.E.

Design No or LLW No.: D019998 Building ID: M097 Date: 05/09/2023

Project:  
**BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM**

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
**FIRST FLOOR PLUMBING NEW  
WORK PLAN WEST, PART PLAN  
AND SECTION**

DOB NOW JOB #M00660122-11

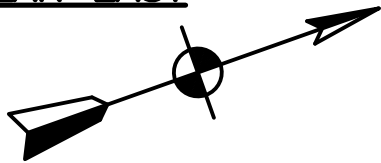
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**P201.00**

Sheets in Contract Set:  
37 of 42

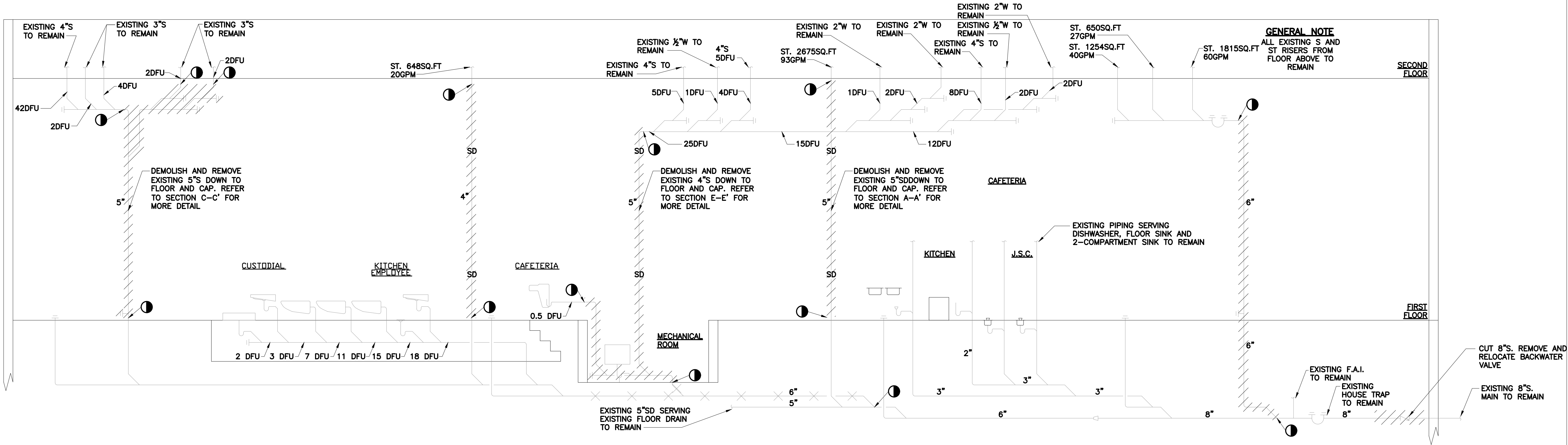
Sheets in DOB Set:  
34 of 37



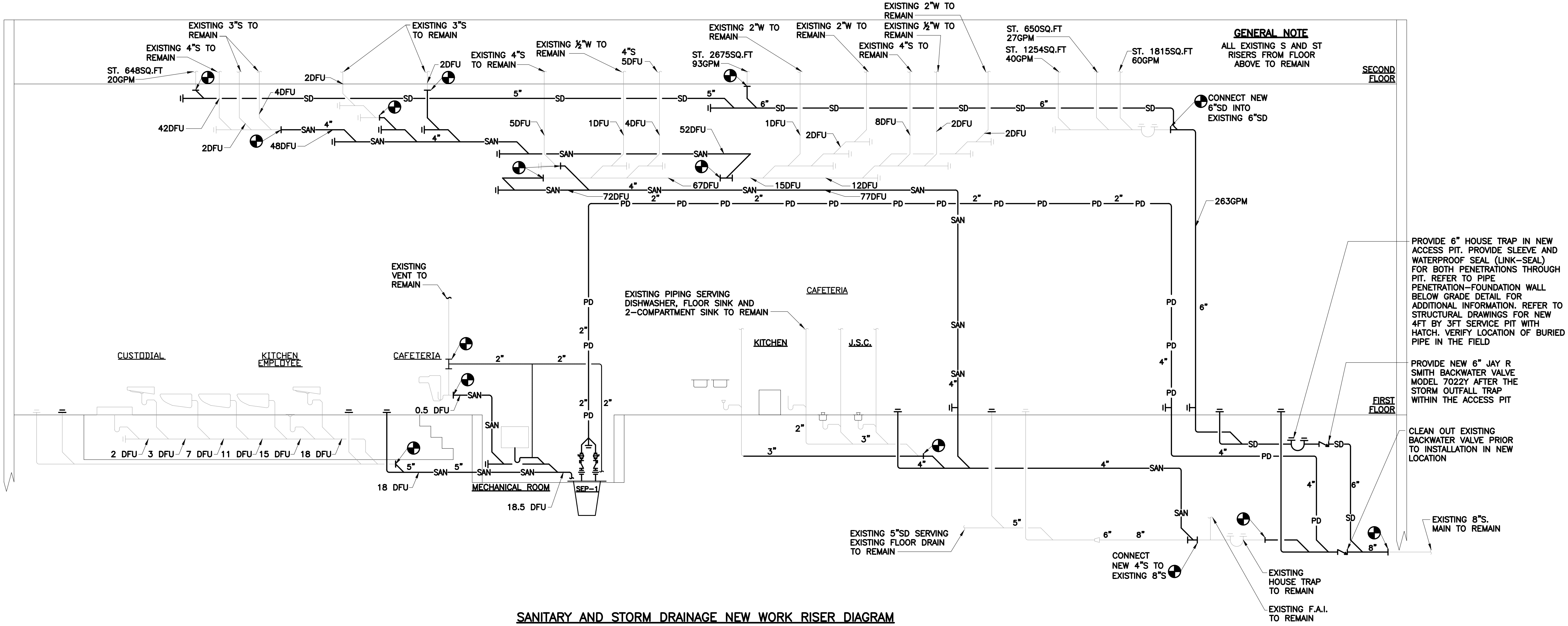


Sheets in DOB Set:  
35 of 37





**SANITARY AND STORM DRAINAGE REMOVALS RISER DIAGRAM**  
NOT TO SCALE

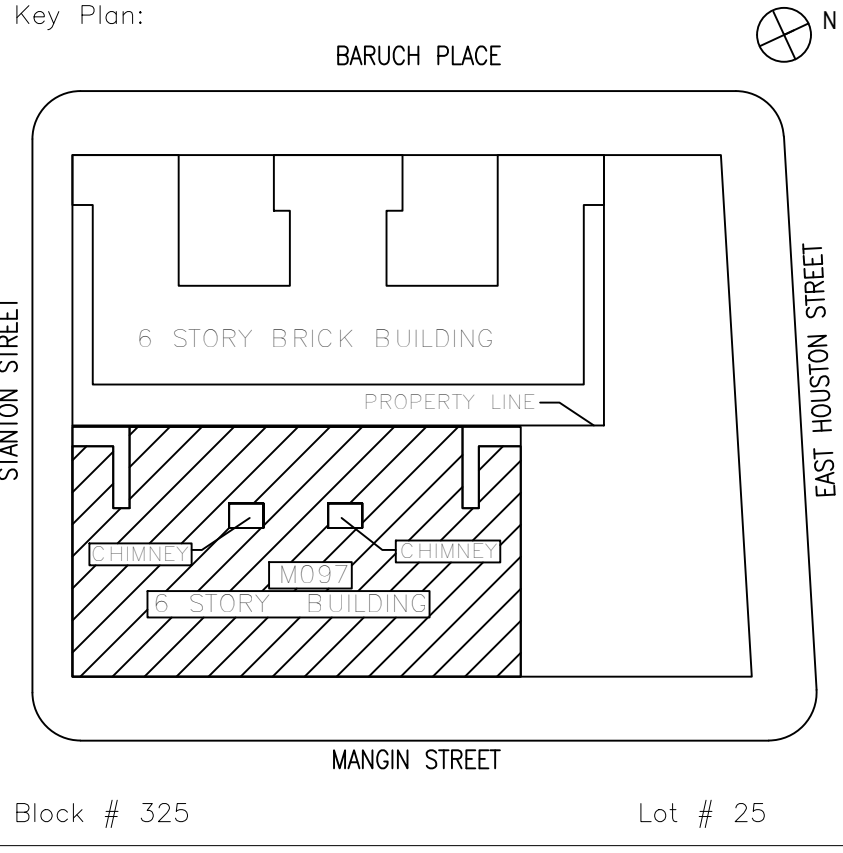


**SANITARY AND STORM DRAINAGE NEW WORK RISER DIAGRAM**  
NOT TO SCALE

**NOTE:** Drawing may be printed at reduced scale

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No.	Date	Revision



SCA Design Manager:	NASER HAMOUEDEH, P.E.	
Project Architect/Engineer:	JEFFREY RABINER, P.E.	
Discipline Lead:	JOHN HIGGINS, P.E.	
Designer:	DANIEL GIANNOTTA	
Drawn by:	DANIEL GIANNOTTA	
Checked by:	JOHN HIGGINS, P.E.	
Design No or LLW No.:	Building ID:	Date:
D019998	M097	05/09/2023

Project:  
**BARD COLLEGE HS, MANHATTAN WASTE SYSTEM**

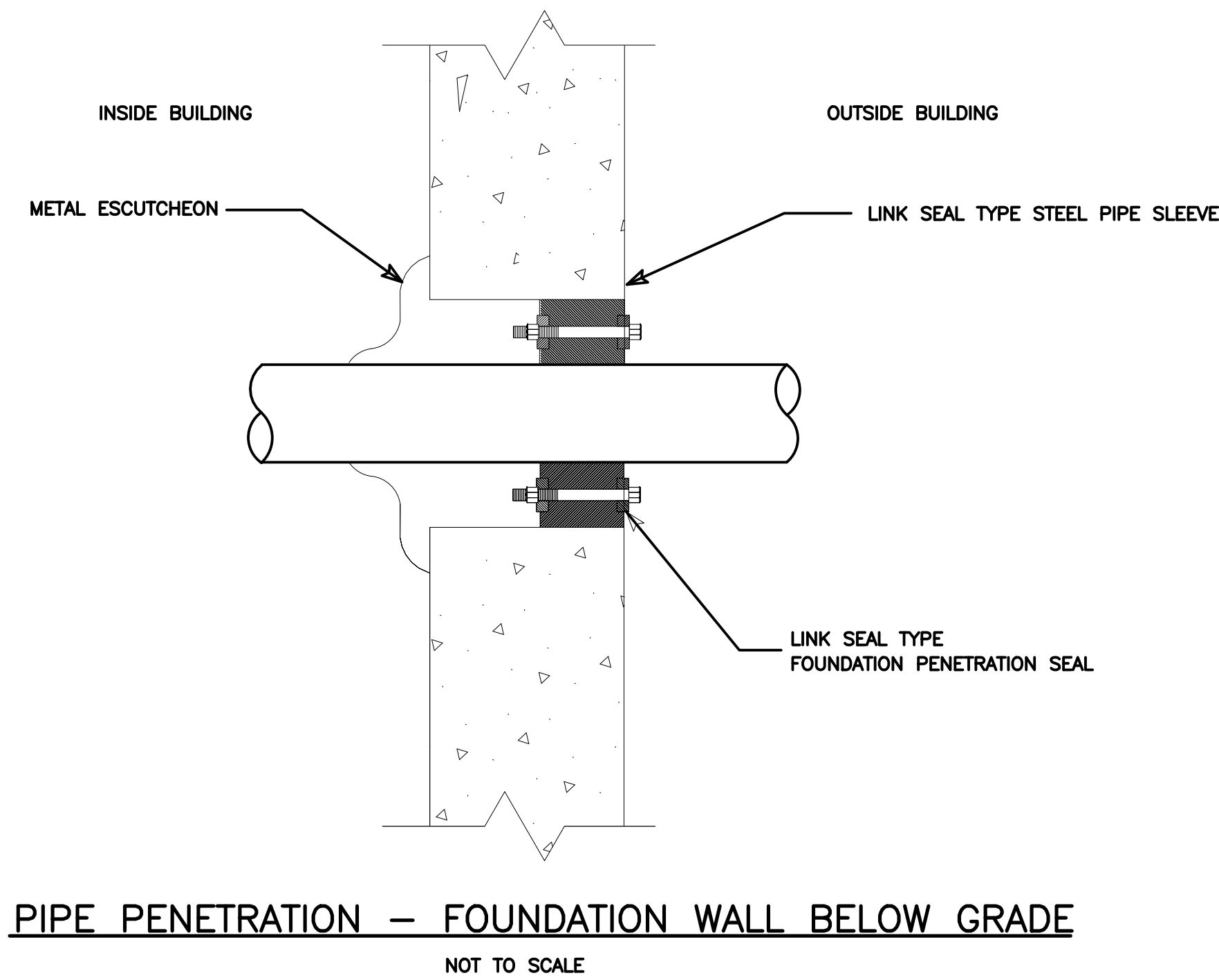
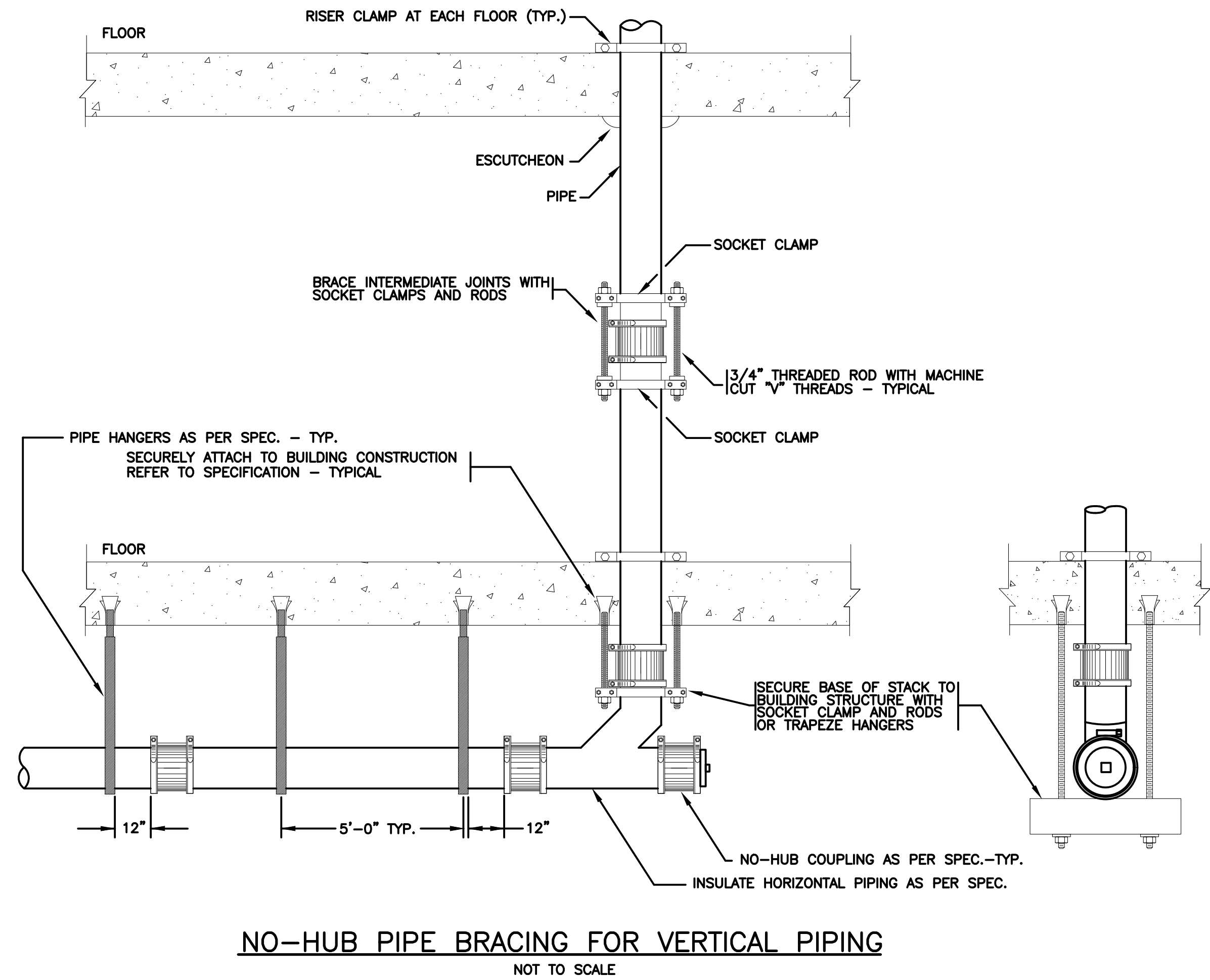
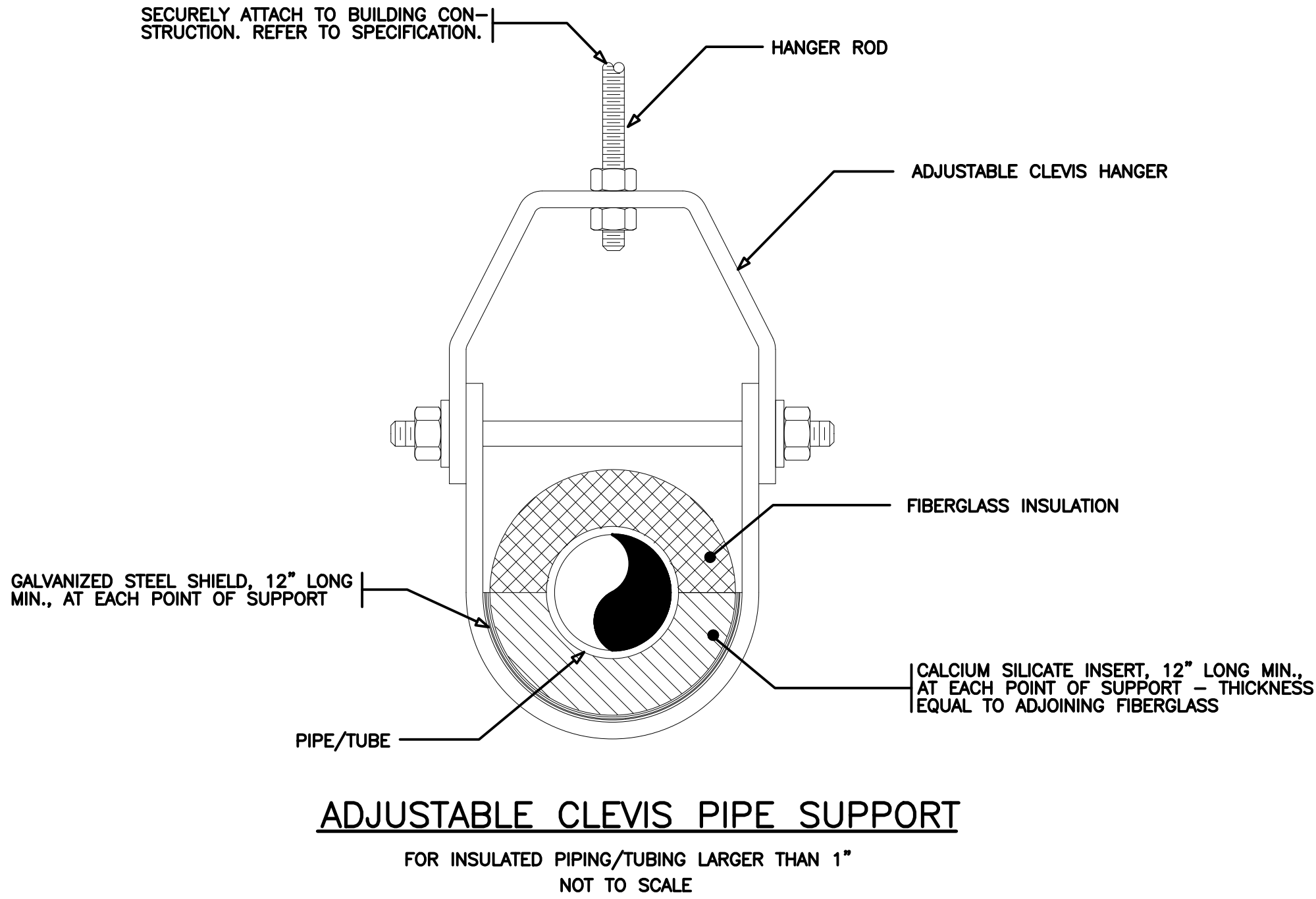
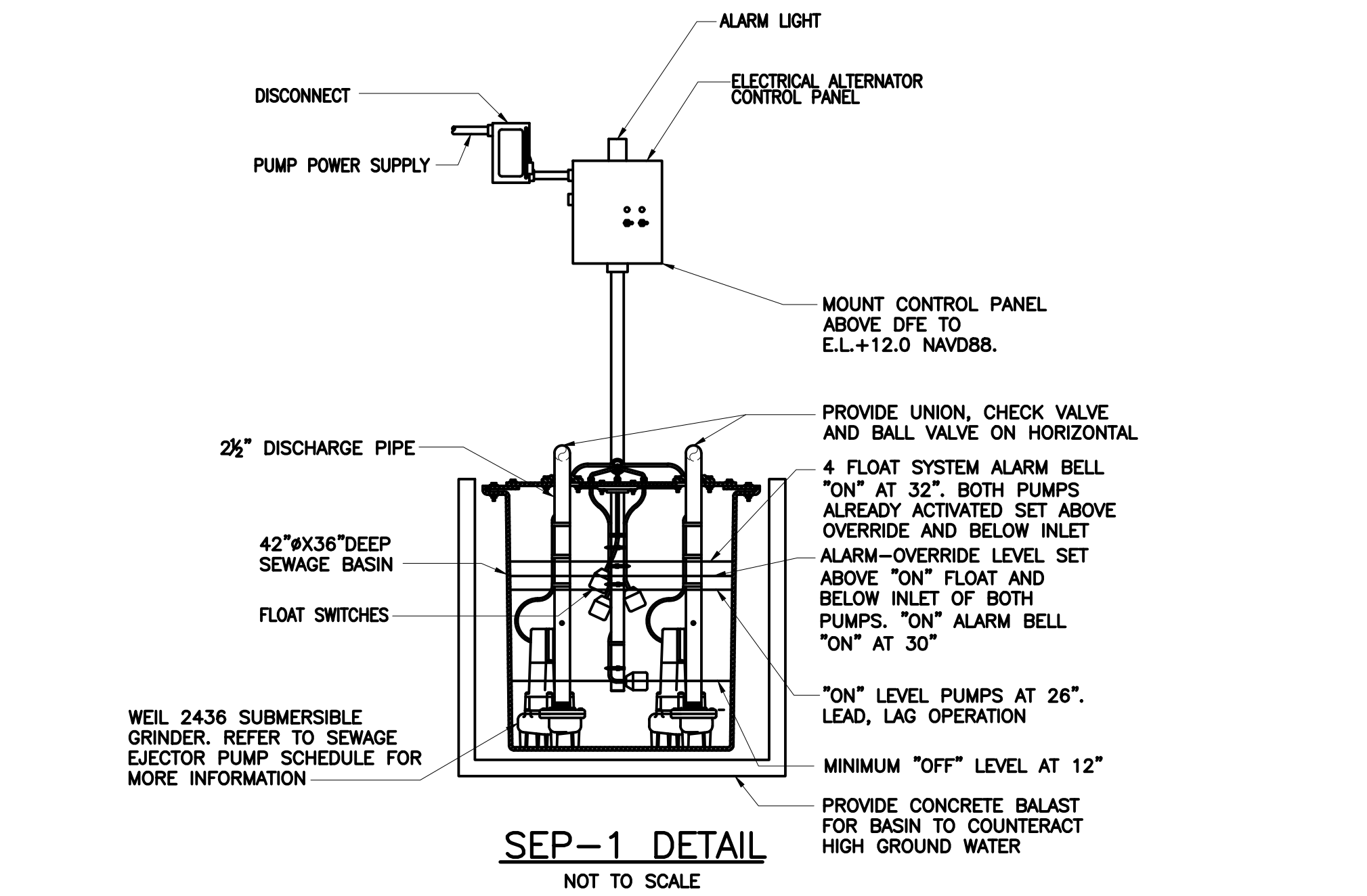
Address:  
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NEW YORK, NY 10002

Drawing Title:  
**SANITARY AND STORM DRAINAGE RISER DIAGRAMS**

DOB NOW JOB #M00660122-I1

Drawing No.:	<b>P301.00</b>
Sheets in Contract Set:	39 of 42
Sheets in DOB Set:	36 of 37





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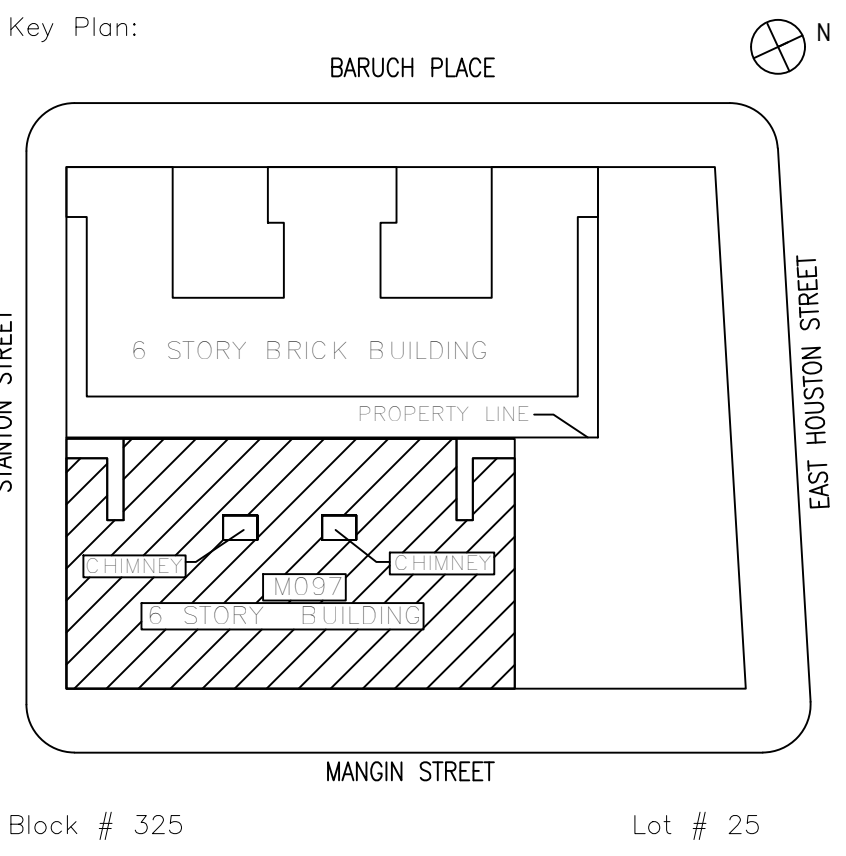
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228 East 45th Street / New York, NY 10017  
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—	05/09/2023	ISSUED FOR BID
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SCA Design Manager:	NASER HAMOUEDEH, P.E.	
Project Architect/Engineer:	JEFFREY RABINER, P.E.	
Discipline Lead:	JOHN HIGGINS, P.E.	
Designer:	DANIEL GIANNOTTA	
Drawn by:	DANIEL GIANNOTTA	
Checked by:	JOHN HIGGINS, P.E.	
Design No or LLW No.:	Building ID:	Date:
D019998	M097	05/09/2023

Project:  
**BARD COLLEGE HS, MANHATTAN WASTE SYSTEM**

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
**PLUMBING DETAILS**

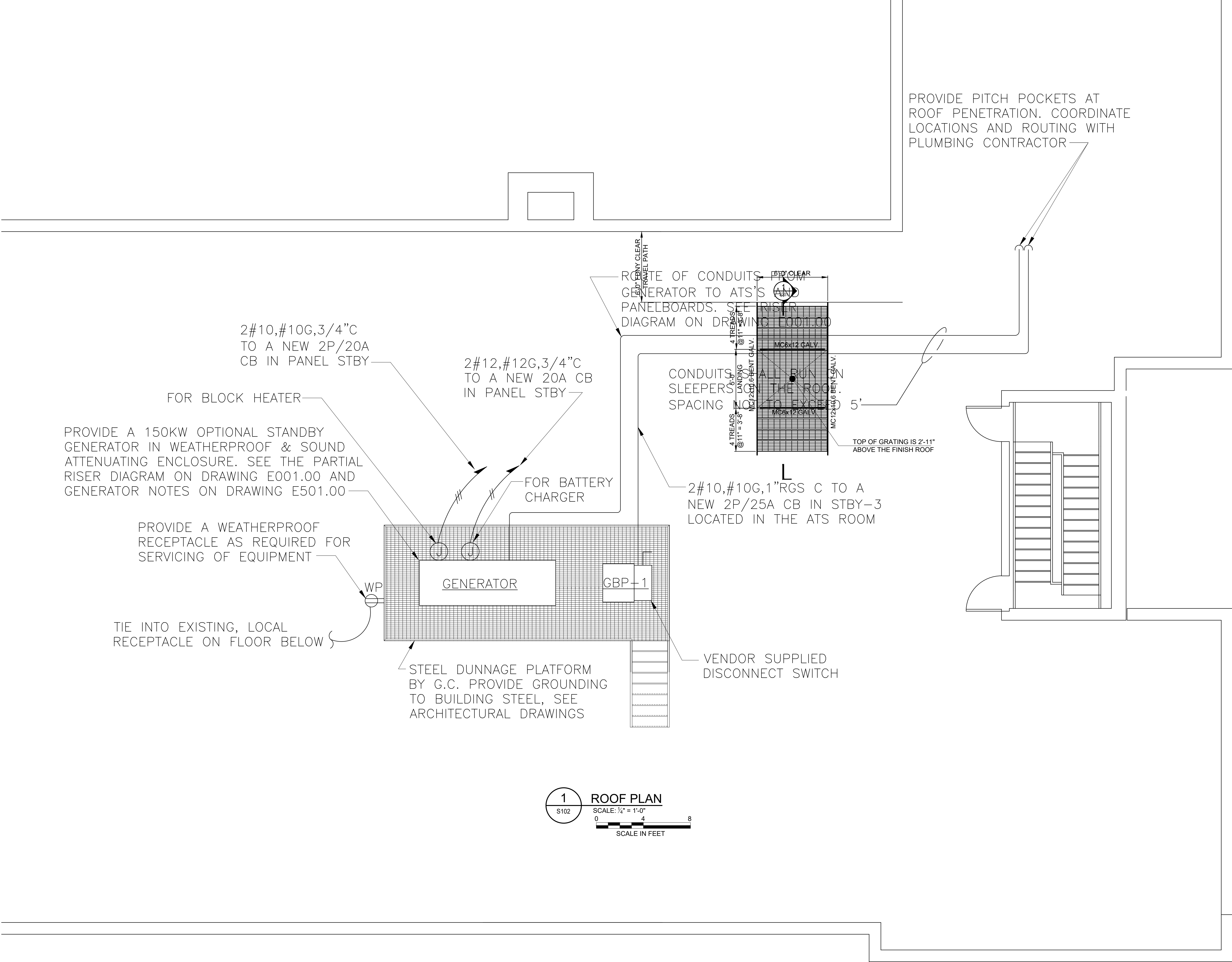
DOB NOW JOB #M00660122-I1

Drawing No.:  
**P401.00**

Sheets in Contract Set:  
40 of 42

Sheets in DOB Set:  
37 of 37





1 ROOF PLAN  
SCALE: 1/4" = 1'-0"  
0 4 8  
SCALE IN FEET

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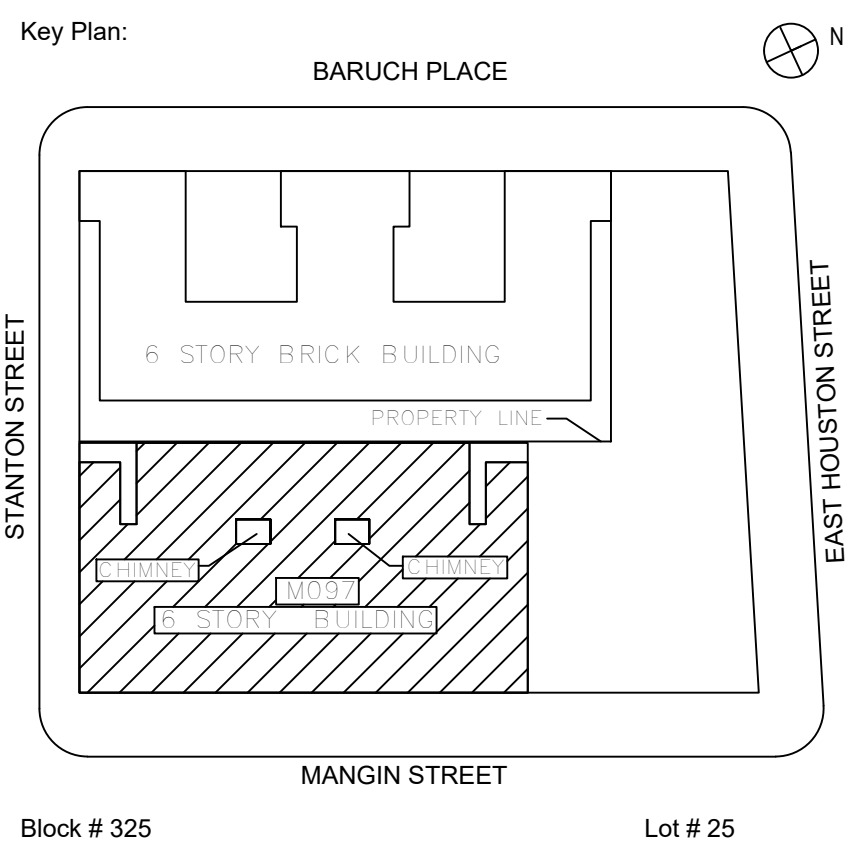
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SCA Design Manager:	NASER HAMOUEDEH, P.E.	
Project Architect/Engineer:	DAMIAN E. MONTEIRO, PE	
Discipline Lead:	JOHN HIGGINS, PE	
Designer:	QUINEE QUINTANA, PE	
Drawn by:	VLAD SCHNEIDER	
Checked by:	DAMIAN E. MONTEIRO, PE	
Design No or LLW No.:	Building ID:	Date:
D019998	M097	05/09/2023

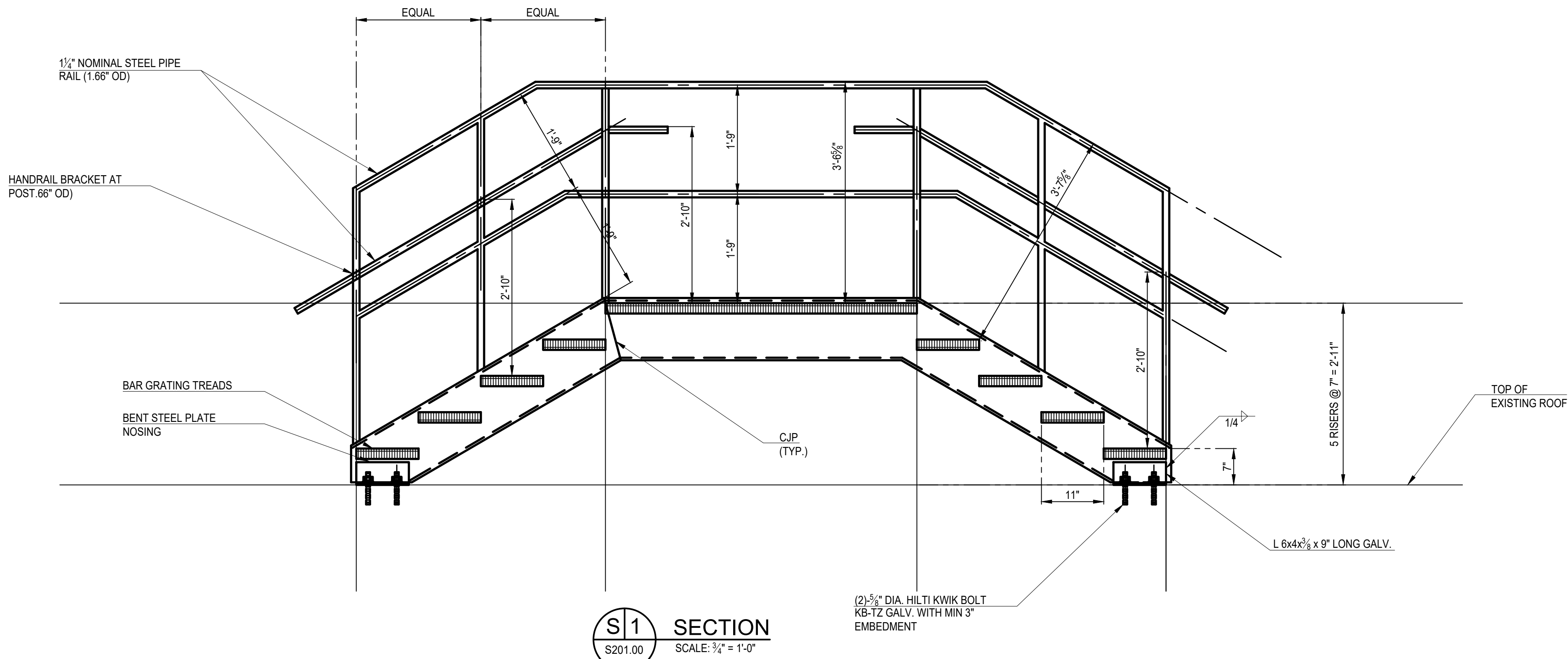
Project:  
**BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM**

Address:  
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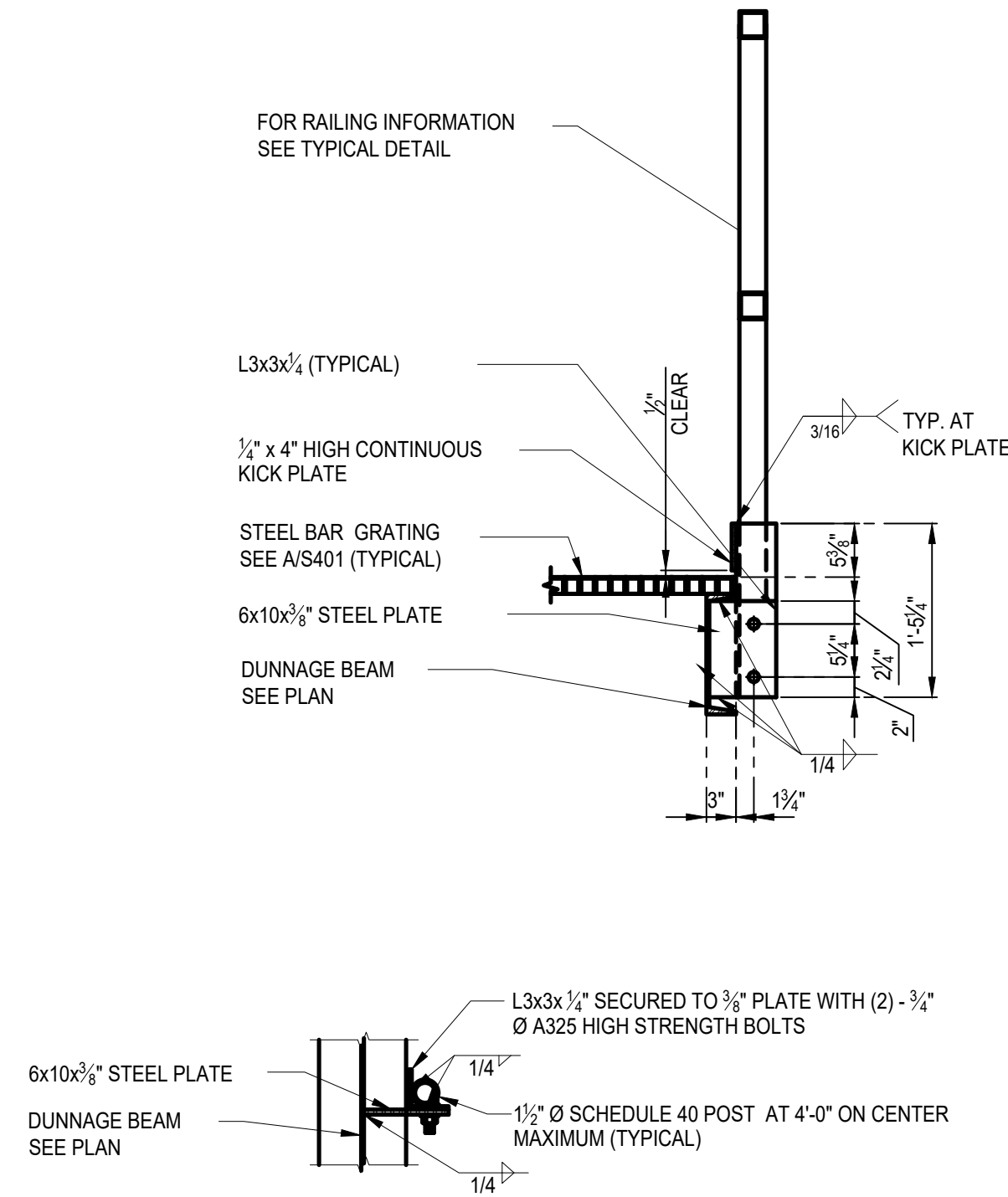
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**ROOF PLAN**

DOB NOW Job# M00660122-S2	
Drawing No.:	<b>S102.00</b>
	Sheets in Contract Set: 31 of 42
	Sheets in DOB Set: 28 of 37

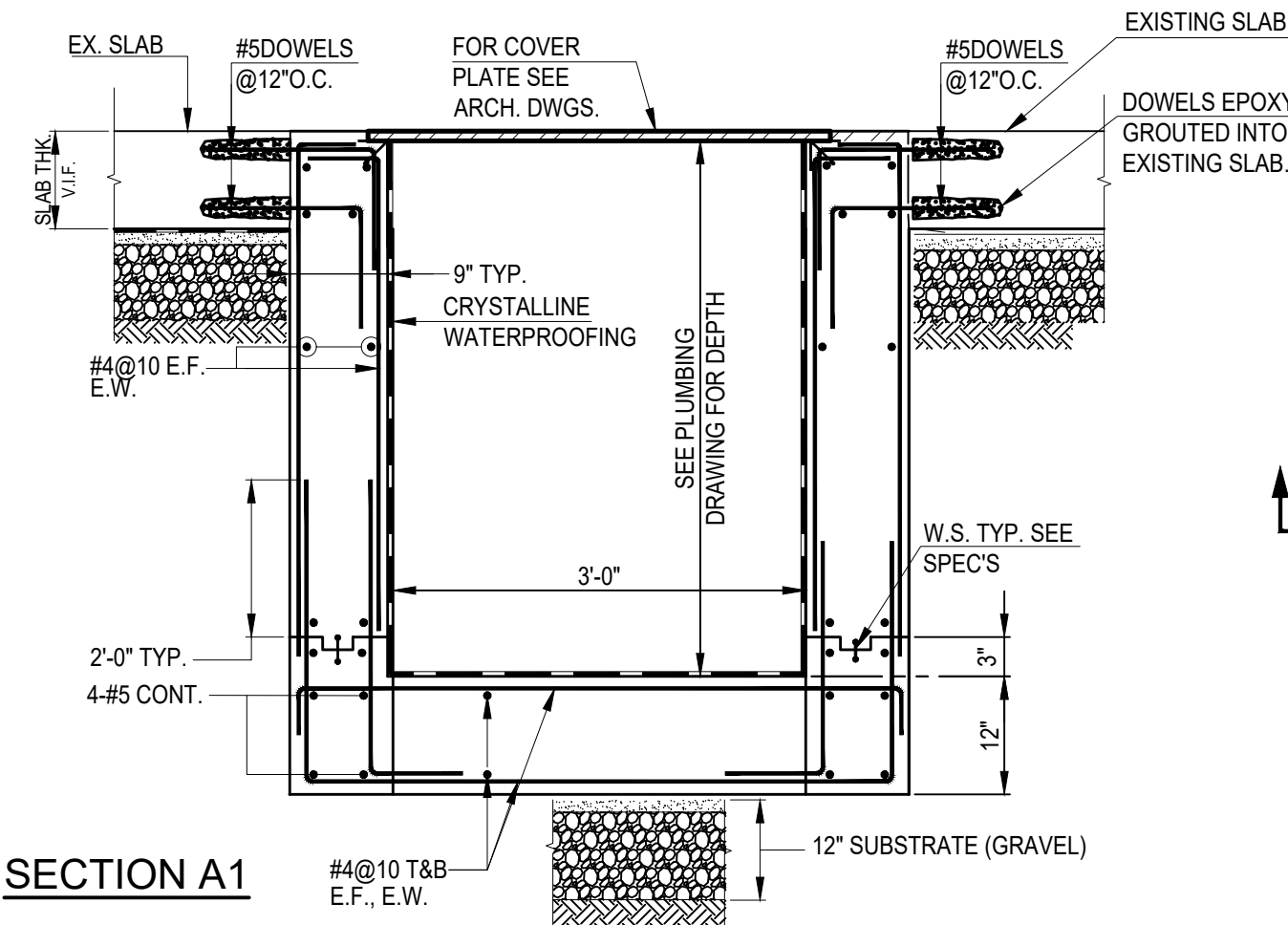




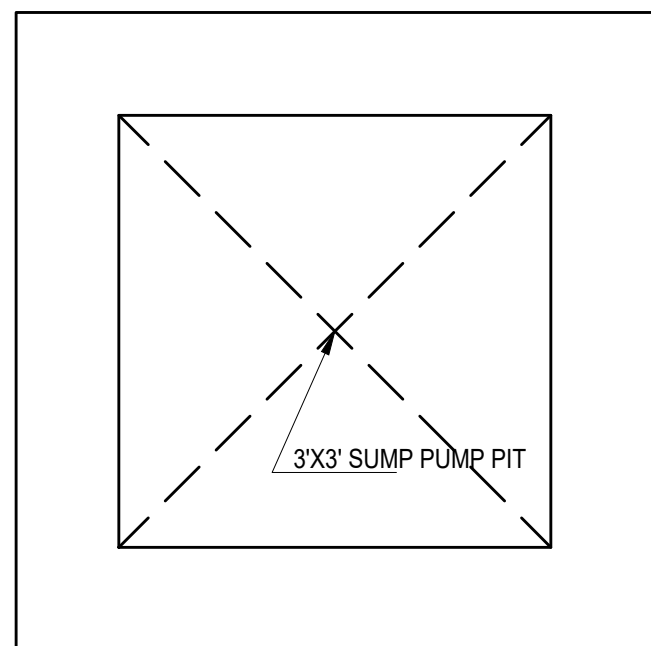
**S1** SECTION  
S201.00 SCALE: 3/4"=1'-0"



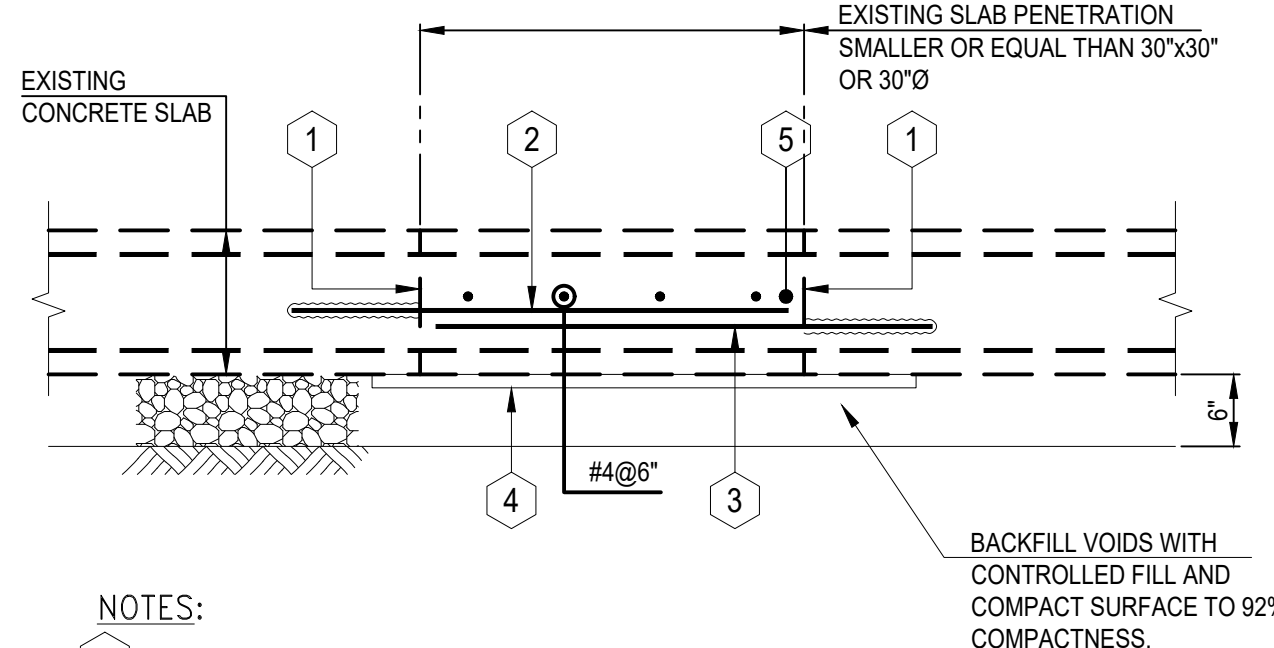
**S2** TYPICAL RAILING ATTACHMENT FOR GRATING  
S201.00 SCALE: 3/4"=1'-0"



**S3** TYPICAL CONC. PIT & HATCH DETAIL  
S201.00 SCALE: 3/4"=1'-0"

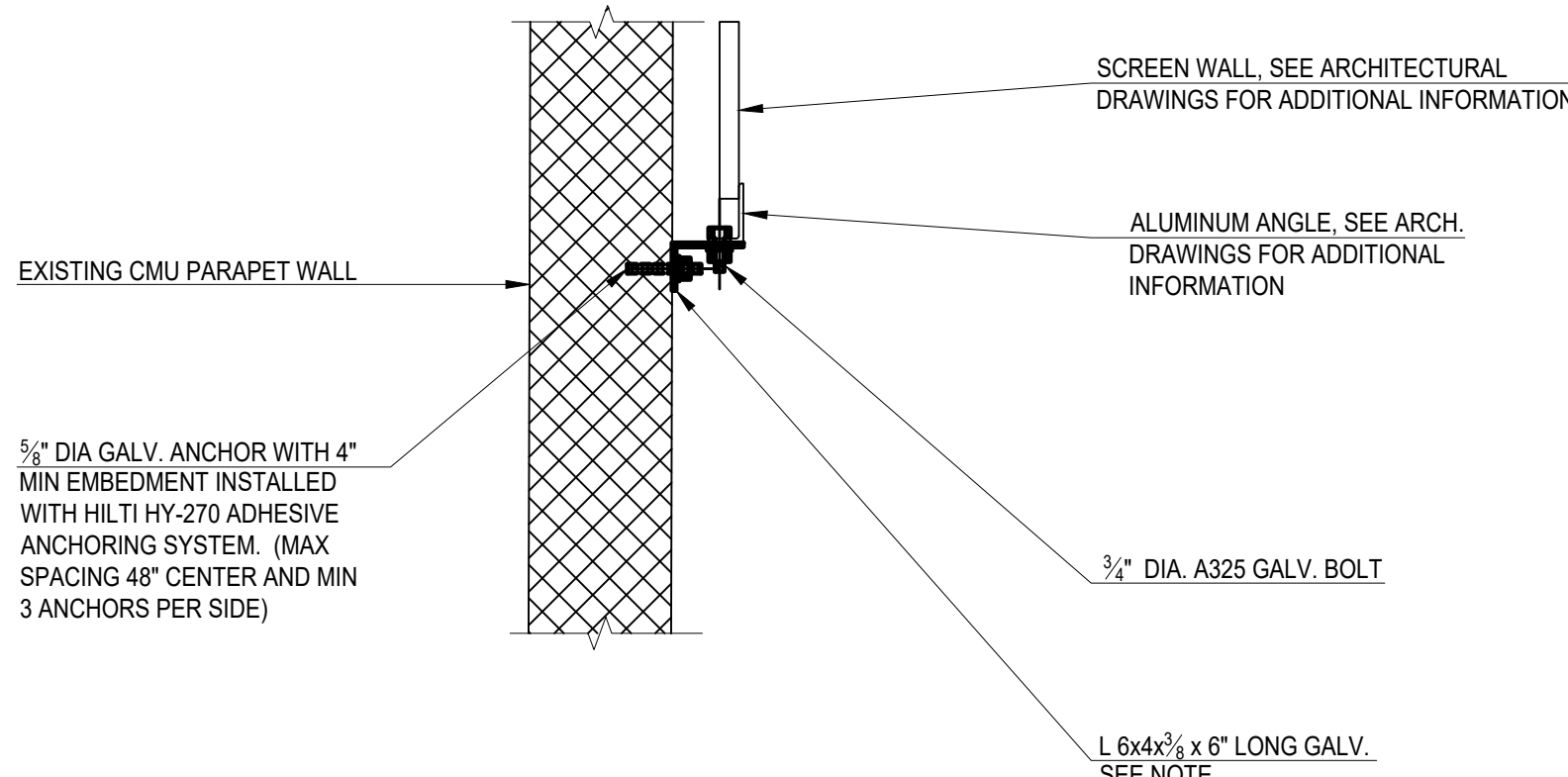


**PLAN**



- NOTES:
1. ROUGHEN CONCRETE SURFACE.
  2. THOROUGHLY CLEAN CONCRETE SURFACE.
  3. INSTALL #4@6" DOWELS, DRILL AND EPOXY.
  4. INSTALL FORM.
  5. PLACE CONCRETE SLAB AS SHOWN ON PLAN (SEE A101)

**S4** TYPICAL SLAB INFILL DETAIL  
S201.00 SCALE: 3/4"=1'-0"



**S5** TYPICAL ALUMINUM FRAME CONN. DETAIL  
S201.00 SCALE: 3/4"=1'-0"

NOTE  
PROVIDE NON-COMPRESSIBLE ISOLATING MATERIAL  
BETWEEN THE STEEL AND ALUMINUM ANGLE (EITHER DAINIT  
OR TAPE TO PREVENT CORROSION OF THE CONNECTION)

- CONCRETE DESIGN MIX
1. CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH MINIMUM COMPRESSIVE STRENGTH  $f_c=4000$ (psi)
  2. CONCRETE SHALL BE AIR-ENTRAINED.
  3. CONCRETE SHALL HAVE A MAXIMUM WATER-CEMENT RATIO OF .40
  4. LARGE AGGREGATE SHALL BE SIZE #57 STONE

- SPECIAL INSPECTIONS
- |  |             |
|--|-------------|
| STRUCTURAL STEEL - WELDING                     | BC 1704.3.1 |
| STRUCTURAL STEEL - DETAIL                      | BC 1704.3.2 |
| STRUCTURAL STEEL - HIGH STRENGTH BOLTING       | BC 1704.3.3 |
| POST INSTALLED ANCHORS (BB#2014-018, 2014-019) | BC 1704.32  |

THE WORK MEET THE CRITERIA OF SECTION BC 1704.4 FOR EXEMPTION FROM THE REQUIREMENT OF SPECIAL INSPECTION OF CONCRETE - CAST IN PLACE, AND I HEREBY ELECT SUCH AN EXEMPTION.

THE WORK MEET THE EXEMPTION CRITERIA OF BUILDINGS BULLETIN 2009-026, ITEM IV, AND I HEREBY ELECT TO WAIVE THE REQUIREMENT OF CONCRETE TESTING AND OF THE TR2 FORM AND/OR TR3 FORM.

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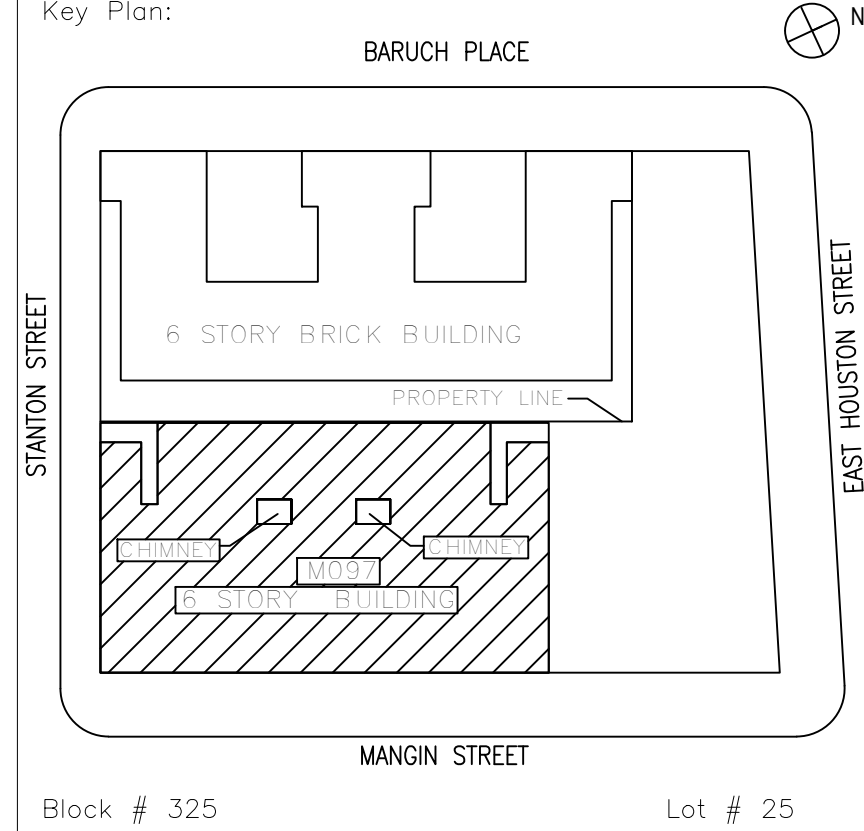
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No.	Date	Revision
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Design No. or LLW No.:	Building ID:	Date:
D019998	M097	05/09/2023

Project:  
**BARD COLLEGE HS, MANHATTAN WASTE SYSTEM**

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:

**SECTIONS AND DETAILS - 1**

DOB NOW Job# M00660122-S2	
Drawing No.:	<b>S201.00</b>
Sheets in Contract Set: 32 of 42	
Sheets in DOB Set: 29 of 37	



BARD COLLEGE HIGH SCHOOL—MANHATTAN

525 EAST HOUSTON STREET, NEW YORK, NY 10002

DESIGN NO.: D019998

WASTE SYSTEM LLW NO.: 121691

PARAPETS LLW NO.: 127952

EXTERIOR MASONRY LLW NO.: 127953



NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY

30-30 THOMSON AVENUE, LONG ISLAND CITY, NEW YORK 11101

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A. Nina Kubota

10. *Journal of the American Medical Association*, 2000; 284: 1039-1044.

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**Structural Consultant**

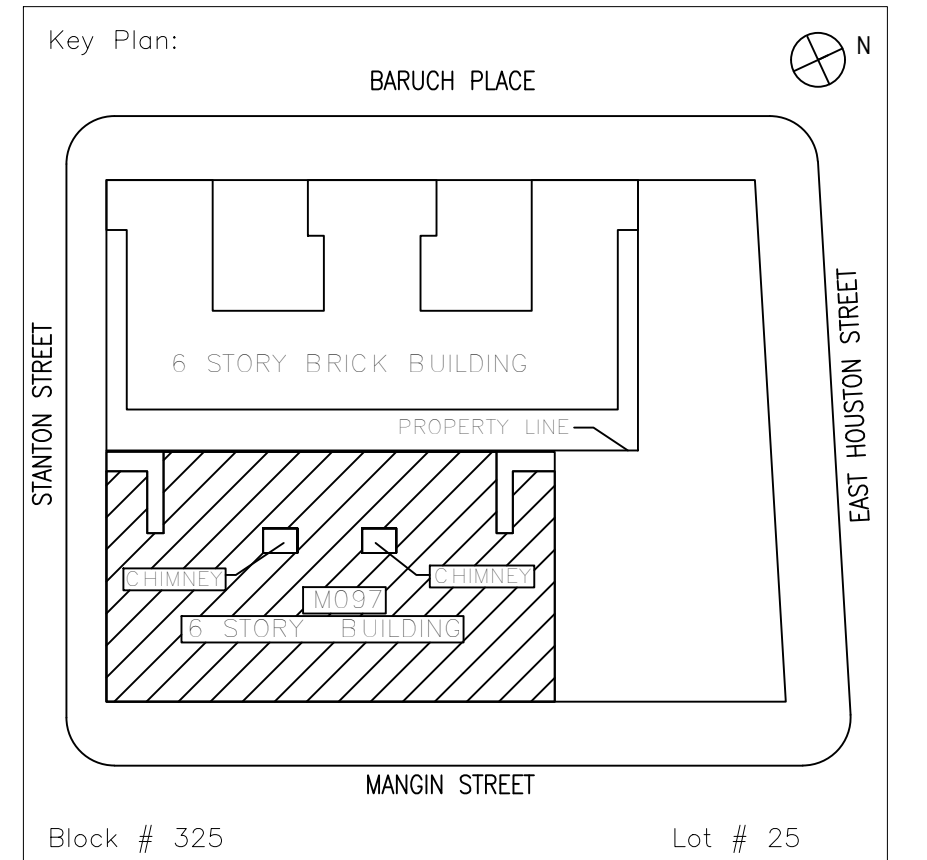
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Designer:		DANIEL GIANNOTTA
Drawn by:		DANIEL GIANNOTTA
Checked by:		JOHN HIGGINS, P.E.
Design No. or LLW No.:	Building ID:	Date:
D019998	M097	05/09/2023

Project:  
BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
**COVER SHEET**

DOB NOW JOB #M00660122-I1

Drawing No.: <b>T001.00</b>
Sheets in Contract Set: 01 of 42
Sheets in DOB Set: 01 of 37



GENERAL NOTES:

THE FOLLOWING NOTES SHALL APPLY THROUGHOUT. EXCEPTIONS ARE SPECIFICALLY NOTED ON EACH DRAWINGS.

1. THE CONTRACTOR SHALL, UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, SECURE AND PAY FOR THE REQUIRED CONSTRUCTION PERMIT(S), FEES, LICENSES AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION OF THE WORK. APPLICATION FOR CONSTRUCTION PERMITS SHALL BE PROCESSED THROUGH THE BUILDING CODE COMPLIANCE DIVISION OF THE AUTHORITY.
2. COORDINATION OF ALL WORK UNDER THIS CONTRACT SHALL BE MAINTAINED TO ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK/PROJECT.
3. THE CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING REQUIRED TO COMPLETE THE WORK OR TO MAKE ITS PARTS FIT TOGETHER PROPERLY WITHOUT COMPROMISING THE QUALITY OF THE WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTIONS, AND OFF ALIGNMENTS ACCORDING TO CODES AND STANDARDS OF GOOD PRACTICE.
5. ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AS ESTABLISHED AND MAINTAINED BY NATIONAL GEODETIC SURVEY OF THE NATIONAL OCEAN SERVICE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION OR SUCCESSOR AGENCY.
6. THE TERM "FINISH FLOOR" SHALL MEAN THE NORMAL FINISHED SURFACE OF THE FLOOR LEVEL. ALL ELEVATIONS GIVEN FOR EXISTING BUILDINGS ARE TO FINISHED FLOOR. THE CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS FOR EXISTING STRUCTURES PRIOR TO THE COMMENCEMENT OF WORK.
7. THE CONTRACTOR SHALL PATCH AND REPAIR ALL FLOORS, WALLS CEILINGS, ETC. DAMAGED OR EXPOSED DUE TO WORK OR REMOVALS AND FINISH TO MATCH ADJOINING SURFACES.
8. THE CONTRACTOR SHALL COORDINATE OPENINGS IN THE EXTERIOR WALLS FOR THE INSTALLATION OF CONDUITS AND BOXES FOR ELECTRICAL EQUIPMENT.
9. WHERE MANUFACTURES' NAMES AND PRODUCT NUMBERS ARE INDICATED ON THE DRAWINGS, IT SHALL BE CONSTRUED TO MEAN THE ESTABLISHING OF QUALITY AND PERFORMANCE STANDARDS OF SUCH ITEMS. ALL OTHER PRODUCTS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE THEY SHALL BE DEEMED EQUAL.
10. FIRESTOPPING SHALL BE INSTALLED AT ALL PENETRATIONS OF FIRE-RATED CONSTRUCTION AS PER SPECIFICATIONS. FIRESTOPPING MATERIALS ARE TO BE APPROPRIATE FOR, AND BE PART OF A LISTED AND LABELED ASSEMBLY IN ACCORDANCE WITH THE BUILDING CODE OR HAVE OTCR OR MEA APPROVAL.
11. DIMENSIONS ON PLANS ARE INDICATED FROM SURFACE TO SURFACE BETWEEN WALLS, PARTITIONS AND OTHER ITEMS EXCLUSIVE OF FINISHES.
12. SIZE OF MASONRY UNITS AND WOOD MEMBERS ON PLANS, BUILDING ELEVATIONS AND SECTIONS ARE SHOWN AS NOMINAL SIZE.
13. DRAWINGS ARE NOT TO BE SCALED. USE DIMENSIONS ONLY. ALL DIMENSIONS AND CONDITIONS SHOWN AND ASSUMED ON THE DRAWINGS MUST BE VERIFIED AT THE SITE BY THE CONTRACTOR BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK. ANY DISCREPANCIES IN THE DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO THE AUTHORITY. NO CHANGE IN DRAWINGS OR SPECIFICATIONS IS PERMISSIBLE WITHOUT WRITTEN CONSENT OF THE ARCHITECT/ENGINEER. NO WORK SHALL PROCEED UNTIL SUCH DISCREPANCY HAS BEEN RECTIFIED.
14. ALL WORK ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK WHETHER STATED OR NOT EXCEPT WHERE SPECIFICALLY NOTED AS "EXISTING TO REMAIN".
15. THE CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED OR EXPOSED SURFACES DUE TO CONTRACT WORK. ALL NEWLY INSTALLED, PATCHED WORK AND ALL AFFECTED AREAS SHALL BE PAINTED. ALL PAINTING WORK SHALL BE PERFORMED TO COVER THE ENTIRE HORIZONTAL OR VERTICAL SURFACE TO THE CLOSEST CORNER IN ALL FOUR DIRECTIONS. COLOR TO MATCH EXISTING.

SITE SAFETY AND PROTECTION NOTES:

1. SUBMIT TO THE SCA FOR REVIEW A SITE SAFETY PLAN(S) PREPARED AND SIGNED BY A NEW YORK CITY LICENSED SITE SAFETY MANAGER. THE PLAN(S) SHALL BE COMPLETE, REFLECTING THE ENTIRE SITE AND SHALL BE COMPLETE, REFLECTING THE ENTIRE SITE AND SHALL SHOW ANY PHASED PROTECTION.
2. THE SITE SAFETY PLAN(S) SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, NOTES, SIDEWALKS BRIDGES, EGRESS, SCAFFOLDING, FIRE PROTECTION ETC. THEY SHOULD ADDRESS ANY POTENTIAL INTERACTION BETWEEN THE BUILDING OCCUPANTS AND GENERAL PUBLIC AND EXPOSURE TO THE CONSTRUCTION PROCESS.
3. SEE SPECIFICATION SECTION S01535 FOR DETAILS
4. NO WORK IS TO PROCEED UNTIL SITE SAFETY PLANS ARE APPROVED BY SCA.

STATE HISTORIC PRESERVATION OFFICE:

THIS BUILDING IS DESIGNATED ON THE NATIONAL REGISTER OF HISTORIC PLACES AS DETERMINED BY THE STATE HISTORIC PRESERVATION OFFICE (SHPO) ALL WORK PERFORMED ON THIS PROJECT MUST COMPLY WITH SHPO REQUIREMENTS. REFER TO SPECIFICATION FOR DETAILS.

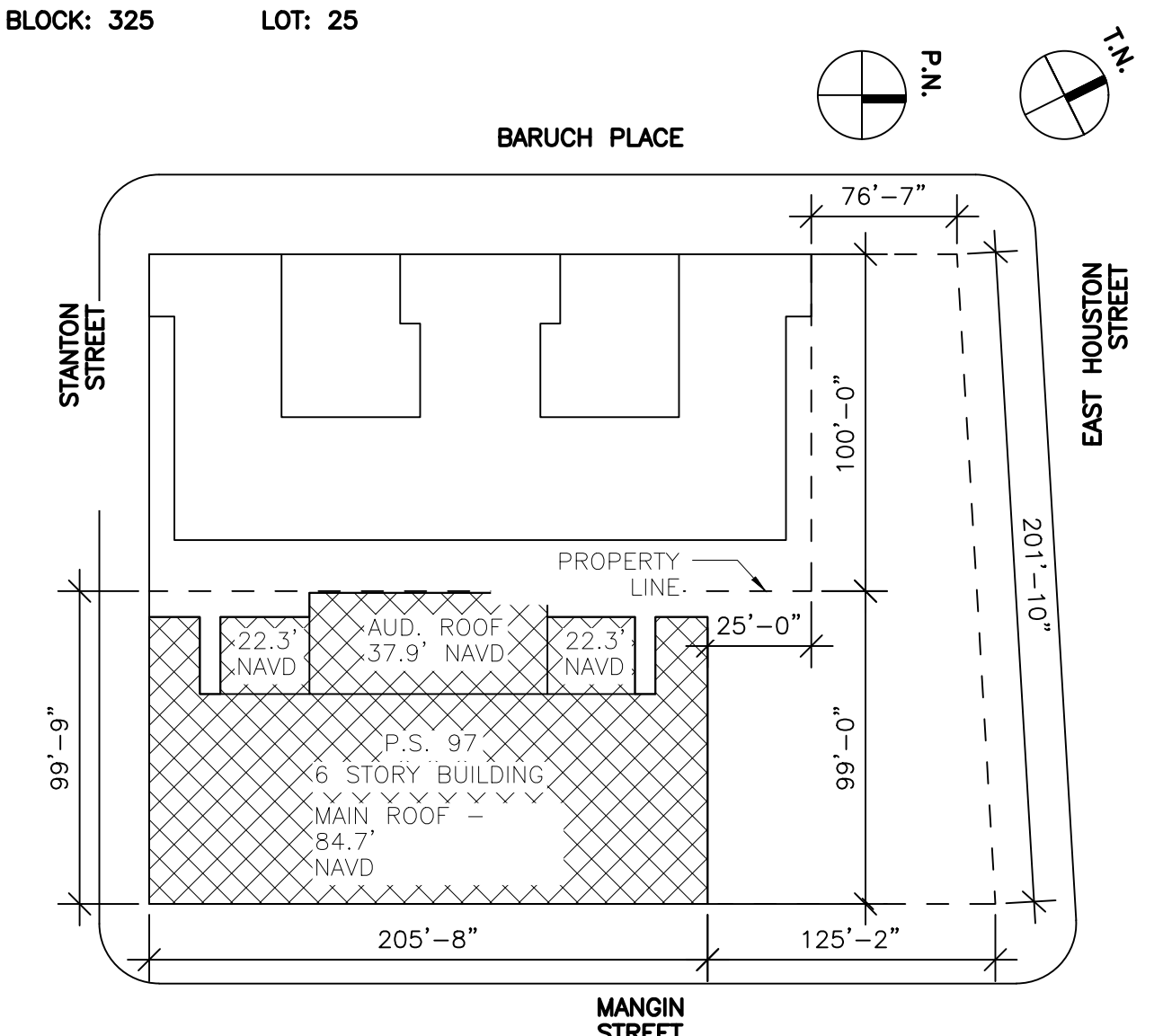
1. THERE ARE MULTIPLE TYPES OF STONE, TERRA-COTTA, AND BRICK MASONRY ON THE ELEVATIONS AND THE CONTRACTOR SHALL MATCH COLOR, SIZE, SHAPE AND TEXTURE OF THE STONE, TERRA-COTTA AND BRICKS TO THE EXISTING.
2. USE NON-POWER HAND TOOLS TO CUT MORTAR FOR POINTING.
3. ALL WORK SHALL PRESERVE THE APPEARANCE OF THE INTERIOR AND EXTERIOR OF THE BUILDING.

SUMMARY OF WORK

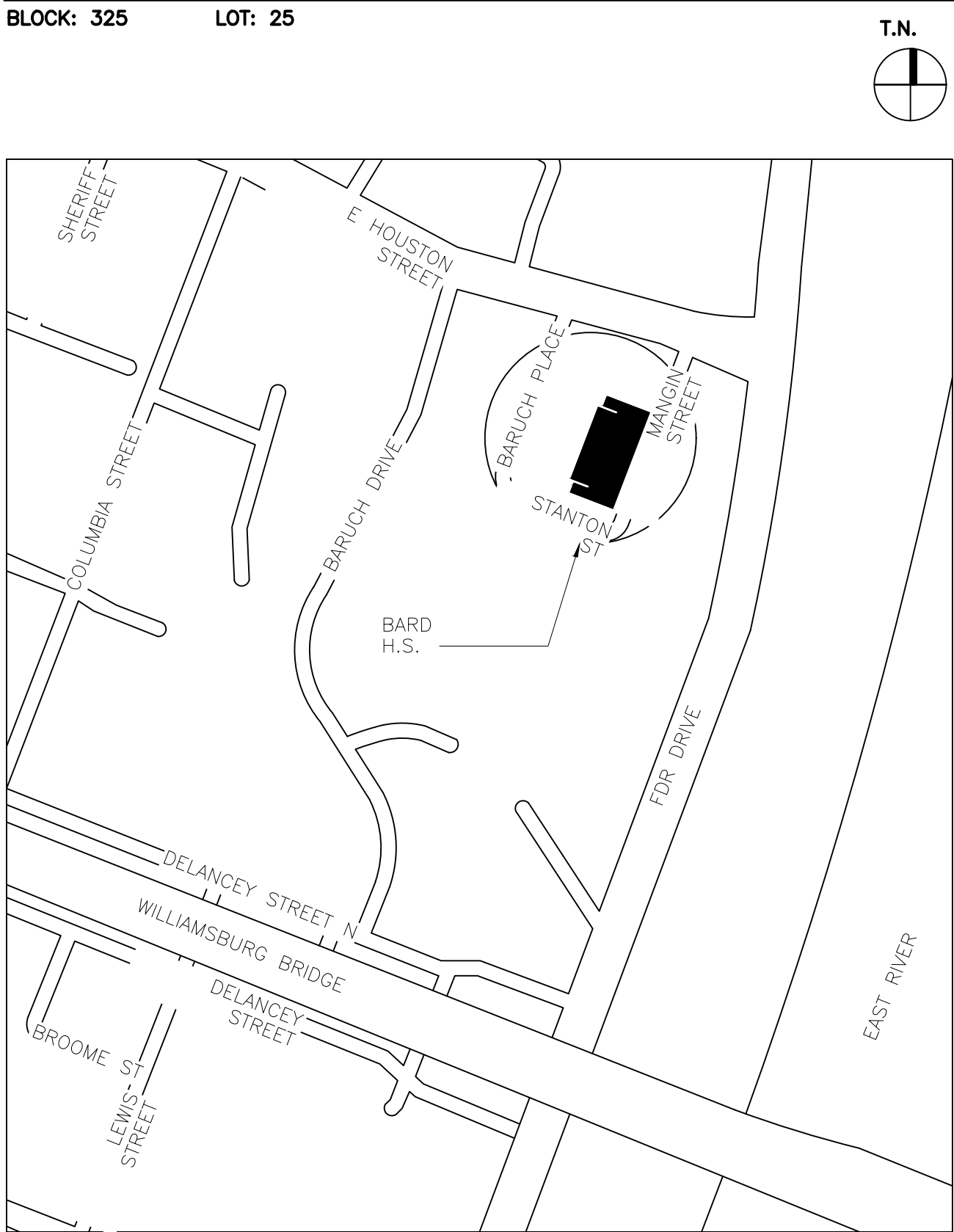
THE WORK AT BARD COLLEGE HIGH SCHOOL M097 SHALL BE AS INDICATED AND CALLED FOR IN THE CONTRACT DOCUMENTS AND SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING GENERAL ITEMS OF WORK:

1. REMOVE AND ABATE ALL ASBESTOS AND HAZARDOUS MATERIALS AS IDENTIFIED BY IEH.
2. REMOVE PORTIONS OF THE CAFETERIA FLOOR TO EXPOSE UNDERFLOOR SANITARY PIPING. REPAIR THE FLOOR AFTER THE PLUMBING WORK IS COMPLETE.
3. MODIFY THE EXISTING SANITARY AND VENT PIPING TO ABANDON A SECTION OF BACK-PITCHED PIPE. PROVIDE NEW SEWAGE EJECTOR PIT AND EJECTOR PUMP.
4. PROVIDE FALL PROTECTION FENCING OVER EXISTING OPENINGS AT THE ROOFTOP PARAPET WALL.
5. PROVIDE STEEL STAIRS AND CROSSOVER AT THE ROOF OVER EXISTING GAS PIPES AND ELECTRICAL CONDUITS. SECURE THE CROSSOVER TO THE ROOF STRUCTURE AND FLASH INTO THE ROOF WATERPROOF MEMBRANE.
6. REPLACE BRICKWORK AT TWO SETS OF AUDITORIUM EGRESS STAIRS, REPLACE COPING STONE AT TOP OF PROPERTY LINE WALL AND REPLACE WROUGHT IRON FENCE AT TOP OF PROPERTY LINE WALL. PROVIDE WATERPROOF MEMBRANE TIED TO STAIRS AND WALLS TO PREVENT WATER INFILTRATION INTO THE CELLAR STORAGE ROOMS.
7. AT THE NORTH STAIR BULKHEAD, REPOINT EXTERIOR BRICK AND REPLACE SLATE LEDGE. AT THE INTERIOR SIDE OF THE NORTH STAIR BULKHEAD ABOVE THE 5TH FLOOR, REPLACE PLASTER AND PAINT TO REPAIR WATER DAMAGE.
8. AT THE FRONT BALCONY NEAR THE CUSTODIAN'S OFFICE, PROVIDE WATER PROOF MEMBRANE, REPOINT BRICKS AND MODIFY THE DRAIN PIPE. INSIDE THE CUSTODIAN'S OFFICE, REPAIR DAMAGED PLASTER AND PAINT THE ENTIRE ROOM.
9. ABANDON SECTION OF BACK-PITCHED SANITARY PIPE. PROVIDE SEWAGE EJECTOR PUMP, SANITARY AND STORM PIPING TO ELEVATE PIPING ABOVE THE DFE AND TO SEPARATE SANITARY AND STORM SYSTEMS.

SITE PLAN (N.T.S.):



LOCATION PLAN (N.T.S.):



LIST OF DRAWINGS:

DRAWING NO	DRAWING TITLE	CONTRACT SET SHEET NO.	DOB SET SHEET NO.
DOB NOW JOB NO. M00660122-11			
T001.00	COVER SHEET	1	1
T002.00	DRAWING LIST, LOCATION MAPS, GENERAL NOTES AND SUMMARY OF WORK	2	2
T003.00	BUILDING DEPARTMENT NOTES, FEMA FIRM ELEVATIONS AND FIRM MAPS	3	3
T004.00	ZONE OF PUBLIC PROTECTION PLAN	4	4
NO DOB NOW JOB NO.			
H101.00	ASBESTOS NOTES AND LEGEND	5	-
H102.00	FIRST FLOOR ASBESTOS REMOVAL PLAN	6	-
H103.00	GROUND FLOOR PART PLAN ASBESTOS REMOVAL PLAN	7	-
DOB NOW JOB NO. M00660122-S1			
A001.00	GENERAL NOTES - ARCHITECTURAL	8	5
A002.00	2ND FLOOR EGRESS PLAN & ROOF ACCESS PLAN	9	6
A061.00	SELECTIVE REMOVALS PLAN - 1ST FLOOR	10	7
A062.00	SELECTIVE REMOVALS PLAN - 2ND FLOOR	11	8
A063.00	SELECTIVE REMOVALS PLAN - 3RD FLOOR	12	9
A064.00	SELECTIVE REMOVALS PLAN - ROOF	13	10
A081.00	NORTH REAR EGRESS STAIR SELECTIVE DEMOLITION	14	11
A082.00	SOUTH REAR EGRESS STAIR SELECTIVE DEMOLITION	15	12
A083.00	MAIN ENTRANCE BALCONY SELECTIVE DEMOLITION	16	13
A084.00	1ST FLOOR CAFETERIA SLAB SELECTIVE DEMOLITION	17	14
A085.00	NORTH BULKHEAD SELECTIVE DEMOLITION	18	15
A101.00	CONSTRUCTION PLAN - 1ST FLOOR	19	16
A102.00	CONSTRUCTION PLAN - 2ND FLOOR	20	17
A103.00	CONSTRUCTION PLAN - 3RD FLOOR	21	18
A104.00	CONSTRUCTION PLAN - ROOF	22	19
A401.00	NORTH REAR EGRESS STAIR REPAIR WORK	23	20
A402.00	SOUTH REAR EGRESS STAIR REPAIR WORK	24	21
A403.00	MAIN ENTRANCE BALCONY REPAIR WORK	25	22
A404.00	1ST FLOOR CAFETERIA SLAB REPLACEMENT	26	23
A405.00	NORTH BULKHEAD MASONRY REPAIR	27	24
A406.00	ROOF PARAPET BARRIER FENCE	28	25
A407.00	ACCESS STAIR AT ROOFTOP AND DETAILS	29	26
A408.00	MASONRY DETAILS	30	27
DOB NOW JOB NO. M00660122-S2			
S102.00	ROOF PLAN	31	28
S201.00	SECTIONS AND DETAILS-1	32	29
DOB NOW JOB NO. M00660122-11			
P001.00	KEY OF SYMBOLS, ABBREVIATIONS AND GENERAL NOTES	33	30
P002.00	PLUMBING SCHEDULE	34	31
P061.00	FIRST FLOOR PLUMBING REMOVALS PLAN WEST	35	32
P062.00	FIRST FLOOR PLUMBING REMOVALS PLAN EAST AND SECTIONS	36	33
P201.00	FIRST FLOOR PLUMBING NEW WORK PLAN WEST, PART PLAN AND SECTION	37	34
P202.00	FIRST FLOOR PLUMBING NEW WORK PART PLAN EAST AND SECTIONS	38	35
P301.00	SANITARY AND STORM DRAINAGE RISER DIAGRAMS	39	36
P401.00	PLUMBING DETAILS	40	37
NO DOB NOW JOB NO.			
E001.00	FIRST FLOOR ELECTRICAL NOTES AND SYMBOL LIST	41	-
E201.00	FIRST FLOOR ELECTRICAL NEW WORK PLAN, KEY PLAN, AND DETAIL	42	-

NYCECC COMPLIANCE

THE PLANS IN THIS APPLICATION OUTLINE THE ALTERATION OF AN EXISTING BUILDING THAT HAS BEEN LISTED IN THE NEW YORK STATE REGISTER OF HISTORIC PLACES AND THEY ARE EXEMPT FROM MANDATORY COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CODE OF NYS PER SECTION C501.6.

CONCRETE NOTES (TR2 & TR3):

THE CONCRETE TO BE INSTALLED FOR THIS PROJECT INCLUDES EQUIPMENT PAD(S) FOR MECHANICAL EQUIPMENT AND IS NOT SUPPORTING THE BUILDING STRUCTURE. THE QUANTITY TO BE PLACED IS LESS THAN 50 CUBIC YARDS AND THE CONCRETE WILL BE NON-STRUCTURAL SLAB SUPPORTED DIRECTLY ON THE BOILER ROOM FLOOR. THE CONCRETE TESTING AND SPECIAL INSPECTION INDICATED IN BC 1704.4 SHALL BE WAIVED IN ACCORDANCE WITH BC 1704.4 EXCEPTION 2.1. FORMS TR-2 AND TR-3 ARE NOT REQUIRED FOR THIS APPLICATION.

NOTE CONCERNING SPECIAL AND PROGRESS INSPECTIONS

1. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR RETAINING THE REQUIRED NEW YORK STATE LICENSED AND NEW YORK CITY APPROVED AND CERTIFIED SPECIAL INSPECTION AGENCIES AND CERTIFIED SPECIAL INSPECTION AGENCY PERSONNEL AND REPRESENTATIVES TO PERFORM REQUIRED SPECIAL INSPECTIONS PER CODE.
2. THE SPECIAL INSPECTION AGENTS ARE TO PROVIDE THE COORDINATION OF NEW YORK CITY BUILDING DEPARTMENT PAPERWORK FOR THE "IDENTIFICATION OF RESPONSIBILITIES" AND THE "CERTIFICATION OF COMPLETED INSPECTIONS AND TESTS" PER THE TR-1 TECHNICAL REPORT STATEMENT OF RESPONSIBILITY FORM AND PER THE TR-8 TECHNICAL REPORT STATEMENT OF RESPONSIBILITY FOR ENERGY CODE PROGRESS INSPECTIONS FORM.
3. CONTACT THE DESIGN ARCHITECT/ENGINEER OF RECORD FOR ASSISTANCE IF REQUIRED.
4. THE CONTRACTOR IS TO COORDINATE AND INCLUDE ANY ADDITIONAL SPECIAL, PROGRESS OR ENERGY CODE COMPLIANCE INSPECTION REQUIREMENTS AS MAY BE REQUIRED BY THE NEW YORK CITY BUILDING DEPARTMENT.

President & CEO  
A. Nina Kubota

Board of Trustees

Chancellor David C. Banks, Chairman  
Lorraine Grillo  
Peter McCree



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Mario A. Gómez, P.E. LEED AP BD+C, Acting Vice President  
Senior Director In-House Design Studio

Design Consultant Management Studio  
Aileen del Prado, P.E. LEED AP BD+C, Senior Director

Consultants:

**Bladykas Engineering P.C.**

50 Jackson Avenue, Suite 300, Syosset, NY 11791  
Tel: 516.364.8700 • Fax: 516.364.8707  
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**GoshowArchitects**

44 West 28th Street, 5 FL / New York, NY 10001  
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Ysrael A. Seinuk

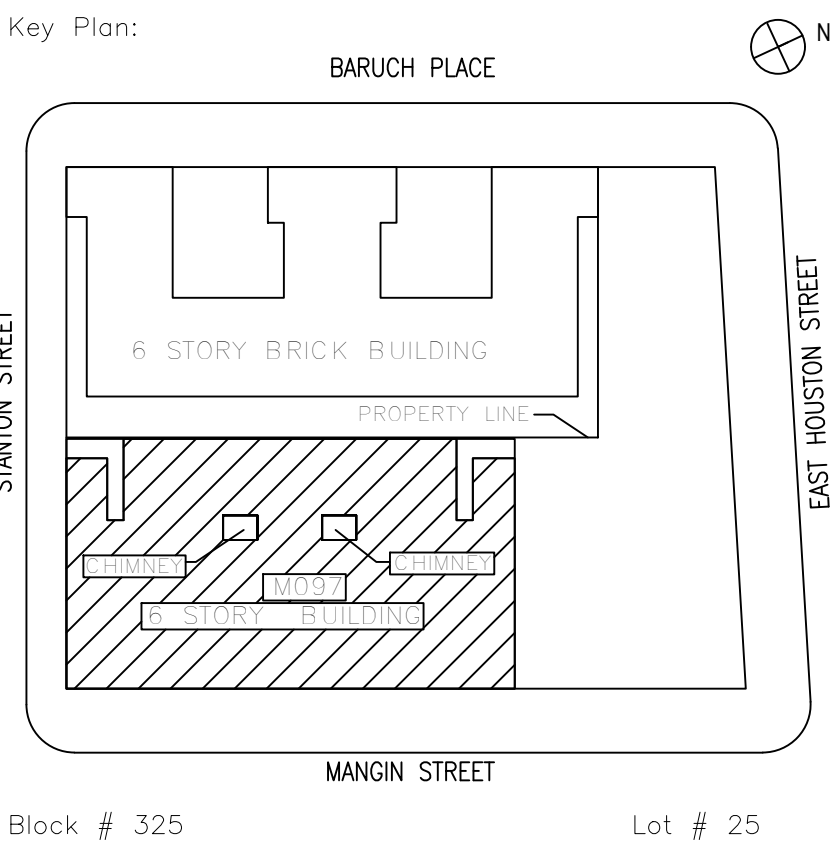
Structural Consultant

228 East 45th Street / New York, NY 10017  
P 212.687.2233 / F 646.487.5555

**NOTE:** Drawing may be printed at reduced scale

IT IS A VIOLATION OF THE STATE EDUCATION LAW SECTION 7209 (2) FOR ANY PERSON TO ALTER AN ITEM IN ANY WAY UNLESS SUCH PERSON IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, AND THE ENGINEER STAMPS SUCH CHANGES


-	05/09/2023	ISSUED FOR BID
No.	Date	Revision



SCA Design Manager:		NASER HAMOUEH, P.E.	
Project Architect/Engineer:		JEFFREY RABINER, P.E.	
Discipline Lead:		JOHN HIGGINS, P.E.	
Designer:		DANIEL GIANNOTTA	
Drawn by:		DANIEL GIANNOTTA	
Checked by:		JOHN HIGGINS, P.E.	
Design No or LLW No.:	Building ID:	Date:	
D019998	M097	05/09/2023	

Project:  
**BARD COLLEGE HS, MANHATTAN WASTE SYSTEM**

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
**DRAWING LIST, LOCATION MAPS, GENERAL NOTES AND SUMMARY OF WORK**

DOB NOW JOB #M00660122-11

Drawing No.:

**T002.00**

Sheets in Contract Set:  
02 of 42

Sheets in DOB Set:  
02 of 37



SUBSTANTIAL IMPROVEMENT CALCULATIONS  
AND MARKET VALUE

JOB NO. DOC NO	SIGNED OFF DATE	ESTIMATED COST	SIGNED OFF
103649045_1		\$ -	1 X
103648992_1	4/17/2020	\$ -	
103648965_1	1/17/2020	\$ -	
103648929_1	4/15/2020	\$ -	
103648493_1		\$ 18,000	
103648055_4		\$ 554,600	
103648055_3		\$ 561,000	
103648055_2		\$ 345,000	
103648055_1		\$ 2,732,000	
103646878_3		\$ -	
103646878_2		\$ -	
103646878_1	2/4/2016	\$ -	X
103646011_3		\$ -	
103646011_2		\$ -	
103646011_1	2/8/2017	\$ 30,000	
103645370_4		\$ -	
103645370_3		\$ -	
103645370_2	5/16/2016	\$ 66,652	X
103645370_1	5/16/2016	\$ 112,828	X
103644549_4		\$ -	
103644549_3		\$ -	
103644549_2		\$ -	
103644549_1	3/26/2018	\$ 215,000	
102388284_7		\$ -	
102388284_6		\$ -	
102388284_5		\$ -	
102388284_4		\$ -	
102388284_3	8/30/2017	\$ 116,500	
102388284_2	8/30/2017	\$ 549,000	
102388284_1	8/30/2017	\$ 2,000,000	
102395999_1	10/14/2010	\$ -	X
102395980_1	10/14/2010	\$ -	X
102388177_1	12/11/2013	\$ 350,000	X
102395908_1	12/3/2008	\$ -	X
102395891_1	12/3/2008	\$ -	X
102374440_1	12/3/2008	\$ -	X
102381370_1	3/4/2008	\$ 407,955	X
102369198_1	2/5/2009	\$ 1,500,000	X
102311222_3	12/8/2006	\$ 20,000	X
102311222_2	12/8/2006	\$ 20,000	X
102311222_1	12/8/2006	\$ 180,000	X
102278385_2		\$ -	
102278385_1	12/8/2006	\$ 50,000	X
102277037_3		\$ -	
102277037_2		\$ -	
102277046_3		\$ -	
102277046_2		\$ -	
102275146_5		\$ -	
102275146_4		\$ -	
102275146_3		\$ -	
102275146_2		\$ -	

TOTAL EST. COST (APPS SINCE 2/2004)	\$ 9,828,536
SIGNED OFF APPLICATIONS	\$ (2,707,436) X
EST. COSTS SINCE 2/2004 -SIGNED OFF APPLICATIONS	\$ 7,121,100
ESTIMATED COST OF THIS APPLICATION	\$ 401,633
TOTAL ALL EST. COSTS SINCE 2/2004 & CURRENT PROPOSED PROJECT - SIGNED OFF APPLICATIONS	\$ 7,522,733
BUILDING APPRAISAL AS OF 8/2015 (EST. COSTS/BUILDING VALUE) x 100 =	27%

FLOOD MITIGATION ANALYSIS  
PER NYC BC: APPENDIX G

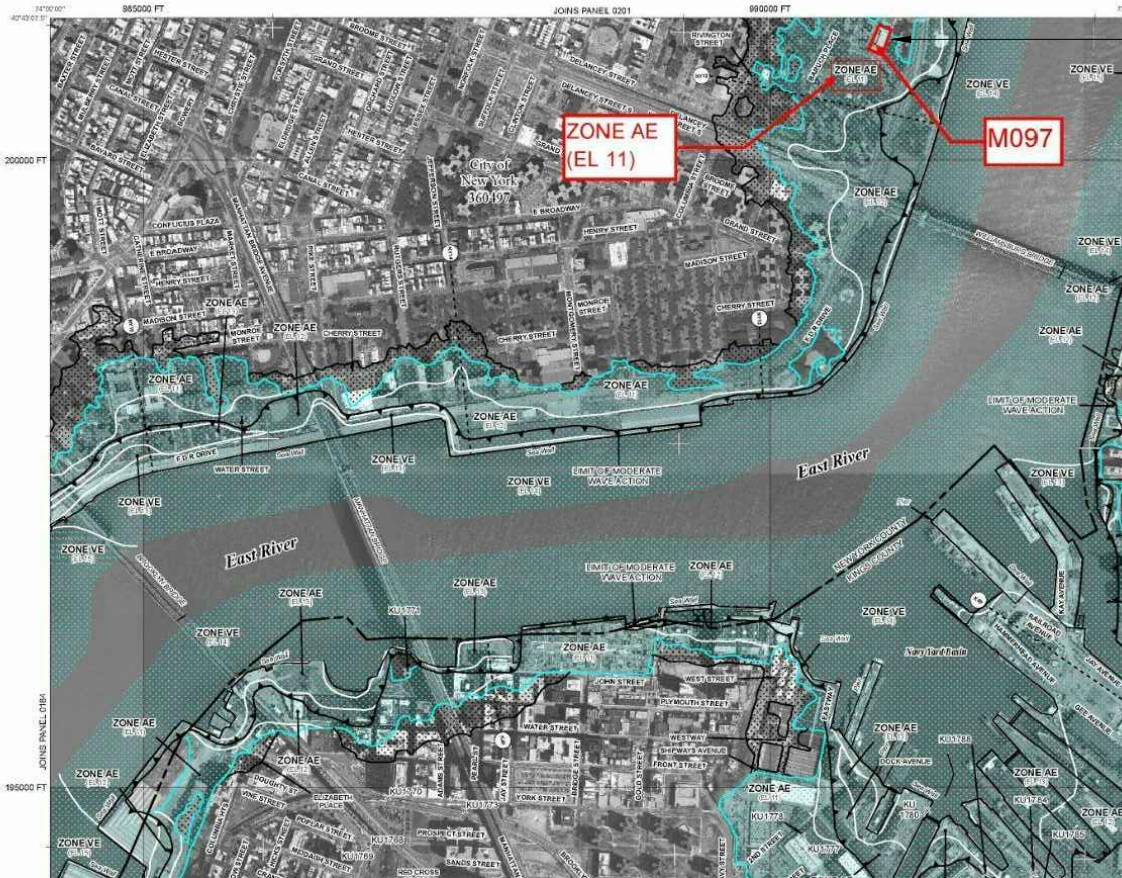
M097 BUILDING ELEVATIONS			
FLOOR/SPACE	1957 SURVEY (MANHATTAN BORO DATUM)	NGVD29	NAVD88
BOILER ROOM	3.00'	5.75'	4.65'
1ST FLOOR	5.00'	7.75'	6.65'

NOTE: MANHATTAN BORO DATUM IS 1.60' ABOVE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

FEMA FIRM ELEVATIONS			
FLOOR/SPACE	NGVD29	NAVD88	
2007 FIRM BFE (ZONE AE10)	10.00'	8.90'	
2007 FIRM DFE: (BFE + 1')	11.00'	9.90'	
2013 PRE-FIRM BFE (ZONE AE11)		11.00'	
2013 PRE-FIRM DFE: (BFE + 1')		12.00'	
PROJECT DFE = MAX OF ABOVE		12.00'	



ZONE AE10 FLOOD LEVEL - 10.0' NGVD (8.9' NAVD)



FEMA PRE-FIRM 2013 (BUILDING IN ZONE AE11)

SPECIAL INSPECTIONS

SPECIAL INSPECTIONS REQUIRED IN ACCORDANCE WITH CHAPTER 17 AND THE APPLICABLE SECTIONS OF THE NYC CONSTRUCTION CODE ARE LISTED IN THE FOLLOWING TABLES:

THE CONTRACTOR MUST NOTIFY THE ARCHITECT OR ENGINEER FOR SPECIAL INSPECTIONS AT LEAST 72 HOURS BEFORE THE SPECIFIC WORK COMMENCES.

THE "SPECIAL INSPECTION AGENCY", HIRED BY THE "AUTHORITY", SHALL BE RESPONSIBLE FOR THE FOLLOWING INSPECTIONS:

M00660122-I1
THE "AUTHORITY" SHALL BE RESPONSIBLE FOR THE FOLLOWING SPECIAL INSPECTIONS:
FIRE-RESISTANT PENETRATIONS AND JOINTS 1704.27

M00660122-S1
THE "AUTHORITY" SHALL BE RESPONSIBLE FOR THE FOLLOWING SPECIAL INSPECTIONS:
POST-INSTALLED ANCHORS (BB#2014-018, 2014-019) 1704.32
MASONRY 1704.5
FLOOD ZONE COMPLIANCE 1704.29, G105

M00660122-S2
THE "AUTHORITY" SHALL BE RESPONSIBLE FOR THE FOLLOWING SPECIAL INSPECTIONS:
STRUCTURAL STEEL - WELDING 1704.3.1
STRUCTURAL STEEL - DETAILS 1704.3.2
STRUCTURAL STEEL - HIGH STRENGTH BOLTING 1704.3.3

BUILDING DEPARTMENT NOTES:

1. WORK SHALL BE EXECUTED IN FULL COMPLIANCE WITH APPLICABLE PROVISIONS OF ALL LAWS, BY-LAWS, STATUTES, ORDINANCES, CODES, RULES, REGULATIONS AND LAWFUL ORDERS OF PUBLIC AUTHORITIES BEARING ON THE PERFORMANCE AND EXECUTION OF THE WORK. THE CONTRACTOR SHALL PROMPTLY NOTIFY THE AUTHORITY OF ANY PORTIONS OF THE WORK IN THE CONTRACT DOCUMENTS THAT ARE AT VARIANCE WITH ABOVE.

THE REVIEW FOR THIS APPLICATION WILL BE UNDER THE 1968 NYC BUILDING CODE.

AVAILABLE RECORDS INDICATE THIS BUILDING WAS CONSTRUCTED APPROXIMATELY IN 1923.

THIS APPLICATION IS FILED UNDER 2014 CODE FOR COMPLIANCE WITH CHAPTERS 1, 17, 32 & 33 REGARDING ADMINISTRATION, INSPECTION AND SAFETY REQUIREMENTS.

2. ALL MATERIALS, ASSEMBLIES, FORMS OF CONSTRUCTION AND SERVICE EQUIPMENT REGULATED BY CODE SHALL MEET ONE OF THE FOLLOWING REQUIREMENTS:

A). THEY SHALL HAVE BEEN ACCEPTABLE PRIOR TO THE EFFECTIVE DATE OF THE CODE BY THE BOARD OF STANDARDS AND APPEALS OR MEA.

B). THEY SHALL HAVE BEEN ACCEPTED FOR THE USE UNDER THE PRESCRIBED TEST METHODS BY THE COMMISSIONER

C). APPROVED BY THE OFFICE OF TECHNICAL CERTIFICATION AND RESEARCH (OTCR)

D). SHALL BE LISTED AND LABELED BY DOB RECOGNIZED AGENCY TO MEET REQUIRED STANDARD.

3. THE CONTRACTOR'S LICENSED PROFESSIONAL IS RESPONSIBLE FOR FILING APPLICATION AND OBTAINING PERMITS FOR SCAFFOLDING, SIDEWALK BRIDGING, ANY OTHER CONSTRUCTION EQUIPMENT OR PUBLIC PROTECTIVES REQUIRED TO ENSURE SAFETY OF OPERATION AND THE PUBLIC AS PER THE 2014 NYC CONSTRUCTION CODE, CHAPTER 33, SECTION BC 3307. THE CONTRACTOR IS ALSO RESPONSIBLE FOR OBTAINING LETTER OF COMPLETION. APPLICATION FOR CONSTRUCTION PERMITS SHALL BE PROCESSED THROUGH THE BUILDING CODE COMPLIANCE (BCC) DIVISION OF THE AUTHORITY.

4. MASONRY WALLS AND CONSTRUCTION SHALL CONFORM TO RS 10-2 OF THE 1968 BUILDING CODE OR §28-101.4.3 EXCEPTION 16.

5. THESE DRAWINGS HAVE BEEN PREPARED BY OR AT THE DIRECTION OF THE UNDERSIGNED AND TO THE BEST OF THE UNDERSIGNED'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT ARE IN COMPLIANCE WITH THE 2014 NYC CONSTRUCTION CODES.

6. ALL WORK SHALL COMPLY WITH SECTION BC 1007 AND CHAPTER 11 "ACCESSIBILITY" OF THE 2014 NYC BUILDING CODE AND ICC A117.1-2009.

7. ALL NEW INTERIOR FINISHES SHALL BE CONSTRUCTED OF MATERIALS MEETING CHAPTER 8 FOR FLAME SPREAD AND SMOKE DEVELOPMENT RATINGS OF THE 2014 NYC BUILDING CODE.

8. PER 2014 NYC BUILDING CODE SECTION 3304.4.4 THIS BUILDING IS NOT WITHIN 200'-0" FROM ANY MTA, NYCTA OR PA SUBWAY OR TUNNEL STRUCTURES. LETTER OF NO OBJECTION IS NOT NEEDED.

9. SITE SAFETY PLANS SHALL BE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE AUTHORITY PRIOR TO APPLYING FOR CONSTRUCTION PERMITS.

10. FOLLOW CHAPTER 33 OF THE 2014 NYC BUILDING CODE FOR PROTECTION OF THE PUBLIC AND ADJACENT PROPERTIES.

11. PROGRESS INSPECTIONS REQUIRED TO BE PERFORMED DURING CONSTRUCTION FOR ANY NEW BUILDING, ADDITION OR ALTERATION PROJECT ARE IDENTIFIED BY THE APPLICANT ACCORDING TO THE SCOPE OF WORK AND LISTED AND DESCRIBED IN THE DRAWINGS. IN ACCORDANCE WITH THE 2014 NYC BUILDING CODE SECTION 109.9, WHERE AN INSPECTION OR TEST FAILS, THE CONSTRUCTION SHALL BE CORRECTED.

12. IN ACCORDANCE WITH ARTICLE 116 OF TITLE 28 AND SECTION BC 109 OF THE 2014 NYC BUILDING CODE, CONSTRUCTION SHALL BE SCHEDULED TO ALLOW REQUIRED PROGRESS INSPECTIONS TO TAKE PLACE, AND THAT ROOFS, CEILINGS, EXTERIOR WALLS, INTERIOR WALLS, FLOORS, FOUNDATIONS, BASEMENTS AND ANY OTHER CONSTRUCTION SHALL NOT BE COVERED OR ENCLOSED UNTIL REQUIRED PROGRESS INSPECTIONS ARE COMPLETED OR THE PROGRESS INSPECTOR INDICATES THAT SUCH COVERING OR ENCLOSURE MAY PROCEED AT EACH STAGE OF CONSTRUCTION, AS APPLICABLE.

13. FIRESTOPPING SHALL BE INSPECTED IN ACCORDANCE WITH ASTM E2174 BY THE SPECIAL INSPECTOR.

14. THIS BUILDING IS IN A FLOOD ZONE AE-11. (NAVD 88)

15. THERE ARE NO VIOLATIONS BEING ADDRESSED UNDER THIS APPLICATION.

16. THERE WILL BE NO CHANGE IN THE USE, EGRESS OR OCCUPANCY BECAUSE OF THE WORK OF THIS APPLICATION.

17. PER THE 2014 NYC BUILDING CODE SECTION 28-113.4.4 ALL MATERIALS OR EQUIPMENT DELIVERED TO JOB SITE SHALL BE LABELED OR SHIPPED WITH MANUFACTURER'S CERTIFICATE, OR M.E.A. OR B.S.A. LABELS. 24. INSULATION SHALL BE LABELED AND SHALL BE EQUAL TO OR GREATER THAN THE R-VALUES AND AN ASSEMBLY U-VALUES IN THE ENERGY ANALYSIS.

18. THE FOLLOWING SHALL BE MADE UNDER SEPARATE APPLICATION BY THE CONTRACTOR'S LICENSED PROFESSIONAL IN ACCORDANCE WITH SECTION 28-104.2.6 OF TITLE 28:

SIDEWALK SHEDS	PRIOR TO PERMIT
CONSTRUCTION FENCES	PRIOR TO PERMIT

THE ITEMS LISTED IN NOTES ABOVE TO BE FILED UNDER SEPARATE APPLICATION I.e. DEFERRED TO BE FILED, SHALL NOT BE CONSTRUCTED PRIOR TO OBTAINING SUCH PERMIT.

19. THE FOLLOWING SHALL BE MADE UNDER SEPARATE APPLICATION BY THE CONTRACTOR TO THE ELECTRICAL ENFORCEMENT UNIT.

ELECTRICAL WORK	PRIOR TO START OF ELECTRICAL WORK
-----------------	-----------------------------------

20. ALL NEW WORK SHALL COMPLY WITH THE 2020 NEW YORK CITY ENERGY CONSERVATION CODE.

21. ALL NEW INTERIOR FINISHES SHALL BE CONSTRUCTED OF MATERIALS MEETING SECTION 27-529 OF THE 1968 BUILDING CODE FOR FLAME SPREAD RATINGS.

22. SITE SAFETY PLANS SHALL BE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE AUTHORITY PRIOR TO APPLYING FOR CONSTRUCTION PERMITS.

23. HEIGHTS OF PARAPETS/RAIL GUARDS IS TO BE 3'-6" MINIMUM ABOVE ADJACENT ROOF LEVEL IN ACCORDANCE WITH SECTION 27-334 OF THE 1968 BUILDING CODE.

24. HANDRAILS AND GUARDS SHALL BE DESIGNED TO RESIST THE LOADS AND TRANSFER SUCH LOADS TO THE STRUCTURE IN ACCORDANCE WITH SECTION 27-558 (b)(1) OF THE 1968 BUILDING CODE.

25. IN COMPLIANCE WITH APPENDIX G G102(10) G301.1 G304.1(5); WORK PROPOSED THAT IS NOT A SUBSTANTIAL IMPROVEMENT SHALL ALSO NOT INCREASE THE DEGREE OF NONCOMPLIANCE INCLUDING THE INSTALLATION OF NEW SPACES, COMPONENTS, MATERIALS, FINISHES, AND EQUIPMENT.

26. WORK PROPOSED IN THIS APPLICATION IS NOT INCLUDED AS A SUBSTANTIAL IMPROVEMENT AS DEFINED BY SECTION BC G201.2 AND 16CNY 3606-01.

27. THIS BUILDING HAS BEEN SPECIFICALLY DESIGNATED AS HISTORICALLY SIGNIFICANT BY THE ADOPTING AUTHORITY AND IS LISTED WITH THE NY STATE HISTORIC PRESERVATION OFFICE (SHPO) AND THEREFORE NEED NOT COMPLY WITH THE REQUIREMENTS OF ASHRAE 90.1-4.2.1.3.

President & CEO

A. Nina Kubota

Board of Trustees

Chancellor David C. Banks, Chairman

Lorraine Grillo

Peter McCree



Architecture & Engineering

Mario A. Gómez, P.E. LEED AP BD+C, Acting Vice President  
Senior Director In-House Design Studio

Design Consultant Management Studio

Aileen del Prado, P.E. LEED AP BD+C, Senior Director

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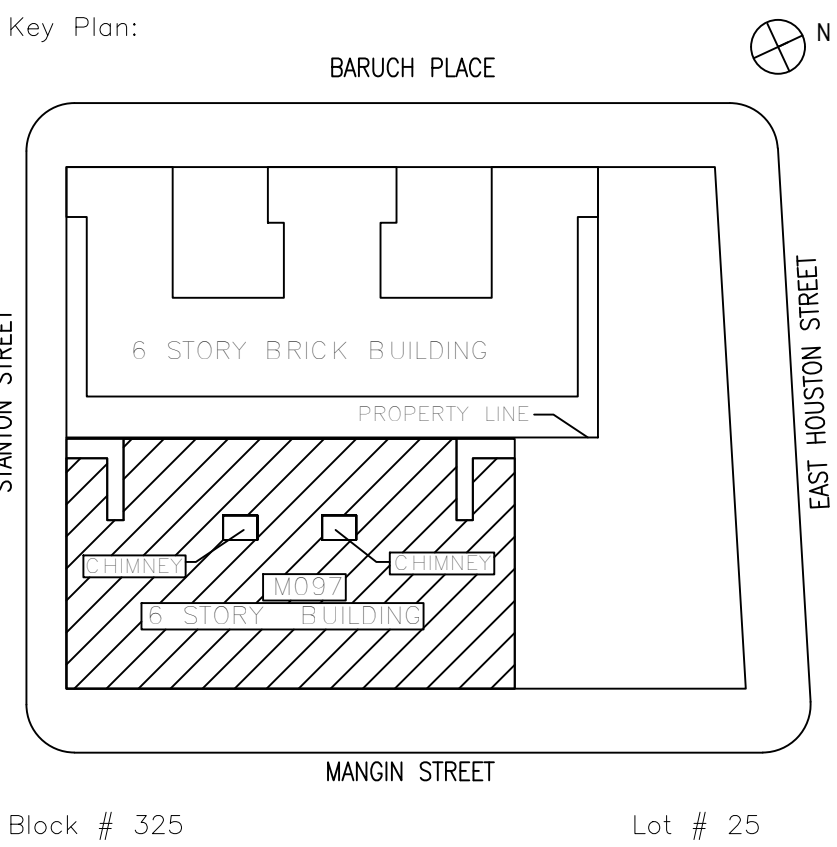
P 212.687.2233 / F 646.487.5555

**NOTE:** Drawing may be printed at reduced scale

IT IS A VIOLATION OF THE STATE EDUCATION LAW SECTION 7209 (2) FOR ANY PERSON TO ALTER AN ITEM IN ANY WAY UNLESS SUCH PERSON IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, AND THE ENGINEER STAMPS SUCH CHANGES

- 05/09/2023 ISSUED FOR BID

No. Date Revision



SCA Design Manager:	NASER HAMOUDHEH, P.E.	
Project Architect/Engineer:	JEFFREY RABINER, P.E.	
Discipline Lead:	JOHN HIGGINS, P.E.	
Designer:	DANIEL GIANNOTTA	
Drawn by:	DANIEL GIANNOTTA	
Checked by:	JOHN HIGGINS, P.E.	
Design No or LLW No.:	Building ID:	Date:
D019998	M097	05/09/2023

Project:  
**BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM**

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
**BUILDING DEPARTMENT NOTES,  
FEMA FIRM ELEVATIONS AND  
FIRM MAPS**

DOB NOW JOB #M00660122-I1

Drawing No.:

**T003.00**

Sheets in Contract Set:  
03 of 42

Sheets in DOB Set:  
03 of 37



CONTRACTOR WILL HAVE NO ACCESS TO PERFORM WORK AT NEIGHBORING PROPERTY UNTIL 365 CCDS AFTER THE START DATE INDICATED ON THE NTP (TYP). SEE PHASING EXHIBIT

ALTERNATE MEANS OF PROTECTION TO BE INSTALLED AT THESE LOCATIONS DURING THE FIRST PHASE OF THE PROJECT BEFORE SECURING LICENSE AGREEMENT FOR THE ADJACENT TERRACE/CONTROL BARRIER AT PARAPET OR ON ROOF. SCA LEGAL LETTER PROVIDED FOR THE DELAY

STANTON ST

BARUCH PL

NYCHA PROPERTY

SCA PROPERTY

E. HOUSTON ST

NYCHA BUILDING (NO WORK)  
APPROXIMATELY 63' HIGH

NYCHA PROPERTY  
SCA PROPERTY

43'

15' ROOF

43'

31' ROOF

15' ROOF

12'

21'-1"

43'

TREE  
(TYPICAL)

EXISTING BUILDING  
APPROXIMATELY 77' HIGH

ZONE OF PUBLIC  
PROTECTION

43'

MANGIN ST

LEGEND:

PARAPET SECTION WHERE  
ALTERNATE PROTECTION IS  
TO BE INSTALLED

NOTE:

1. CONTRACTOR MUST PROVIDE HALF HEIGHT PUBLIC PROTECTION AS NEEDED

President & CEO  
A. Nina Kubota

Board of Trustees

Chancellor David C. Banks, Chairman  
Lorraine Grillo  
Peter McCree



Architecture & Engineering

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Design Consultant: Management Studio  
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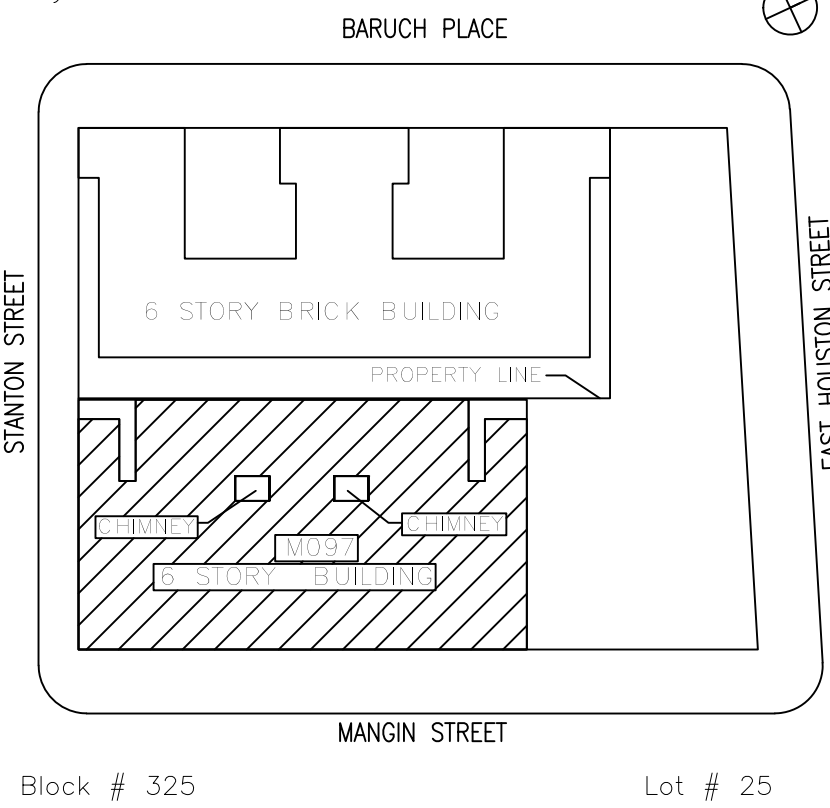
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— 05/09/2023 ISSUED FOR BID

No.	Date	Revision
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Key Plan:



SCA Design Manager: NASER HAMOUEH, P.E.

Project Architect/Engineer: JEFFREY RABINER, P.E.

Discipline Lead: JOHN HIGGINS, P.E.

Designer: BRIAN HIGGINS

Drawn by: BRIAN HIGGINS

Checked by: JOHN HIGGINS, P.E.

Design No or LLW No.:  
D019998

Building ID:  
M097

Date:  
05/09/2023

Project:  
**BARD COLLEGE HS, MANHATTAN  
WASTE SYSTEM**

Address:  
525 EAST HOUSTON STREET  
NEW YORK, NY 10002

Drawing Title:  
**ZONE OF PUBLIC  
PROTECTION PLAN**

DOB NOW JOB #M00660122-I1

Drawing No.:

**T004.00**

Sheets in Contract Set:  
04 of 42

Sheets in DOB Set:  
04 of 37

ZONE OF PUBLIC PROTECTION PLAN

SCALE IN FEET: 1 8 16  
0 4

