CITY SCHOOL DISTRICT OF NEW ROCHELLE

HENRY BARNARD ELEMENTARY SCHOOL

2023 CAPITAL PROJECT - PHASE 1

129 BARNARD RD, NEW ROCHELLE, NY 10801

ISSUED FOR BID: 10/29/2024

THOMAS M. RITZENTHALER
REGISTERED ARCHITECT
023344
STATE OF NEW YORK

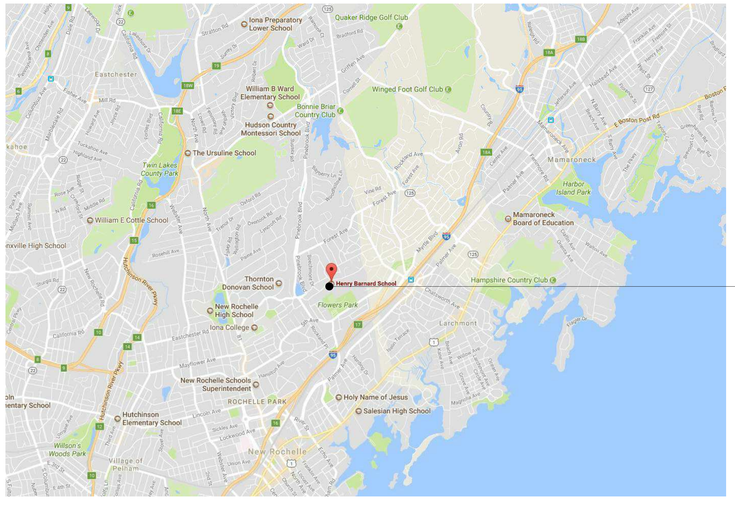
CSARCH - ARCHITECTS
ADELAIDE - HAZARDOUS MATERIALS ABATEMENT DESIGN
GREENMAN - PEDERSEN, INC. - MEP & STRUCTURAL ENGINEER

DRAWING LIST - VOLUME 6

STATE EDUCATION DEPARTMENT PROJECT CONTROL NUMBER:
2023 CAPITAL PROJECT - PHASE 1 66-11-00-01-0-004-015

THE DESIGN OF THIS PROJECT CONFORMS TO APPLICABLE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AND THE MANUAL OF PLANNING STANDARDS OF THE NEW YORK STATE EDUCATION DEPARTMENT.

CSArch PROJECT NO. 188-2301.02



HENRY BARNARD
ELEMENTARY SCHOOL

VICINITY MAP NTS

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VOLUME 6 OF 6

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AB	ANCHOR BOLT
AD	ACCESS DOOR
ADDM	ADDENDUM
ADJ	ADJUSTABLE
ADJC	ADJACENT
ADMIN	ADMINISTRATIVE
AFF	ABOVE FINISHED FLOOR
AFS	ATHLETIC FLOOR SYSTEM
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
AL / ALUM	ALUMINUM
ANOD	ANODIZED
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECT / ARCHITECTURAL
ASSIST	ASSISTANT
ASSOC	ASSOCIATED
AV	AUDIO VISUAL
AWP	ACOUSTICAL WALL PANEL
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM / BEAMS
B/	BOTTOM OF
BD	BOARD
BRG	BEARING
BRK	BRICK
BSMT	BASEMENT
CAB	CABINET
CJ	CONTROL / CONSTRUCTION JOINT
CL	CENTERLINE
CLG / CLNG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
CUH	CABINET UNIT HEATER
DEMO	DEMOLITION
DET	DETAIL
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIA	DIAMETER
DISP	DISPENSER
DIV	DIVISION
DN	DOWN
DR	DOOR
DWG	DRAWING
DW	DISH WASHER
EA	EACH
ED	EDUCATION
EF	EXHAUST FAN
EHD	ELECTRICAL HAND DRYER
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EL	ELEVATION
ELEV	ELEVATOR
ELECT	ELECTRIC / ELECTRICAL
EMER	EMERGENCY
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXST	EXISTING
EJ	EXPANSION JOINT
EXP	EXPOSED
EXP BLT	EXPANSION BOLT
EXT	EXTERIOR
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FIN	FINISH
FIN FL	FINISH FLOOR
FIXT	FIXTURE
FLR	FLOOR
FLOUR	FLUORESCENT
FP	FILLER PANEL
FR	FIBER REINFORCED
FRZ	FREEZER
FTG	FOOTING
FURN	FURNISH / FURNITURE
FUR	FURRED / FURRING
GA	GAUGE
GAL	GALLON
GALV	GALVANIZE(D)
GB	GRAB BAR
GC	GENERAL CONTRACT(OR)
GL	GLASS / GLAZING
GND	GROUND
GT	GREASE TRAP
GV	GRAVITY VENT
GWB	GYPSUM WALL BOARD
GWBS	GYPSUM WALL BOARD SOFFIT
HB	HOSE BIBB
HC	HANDICAPPED ACCESSIBLE
HDR	HEADER
HM	HOLLOW METAL
HNDRL	HANDRAIL
HO	HOLD OPEN
HORIZ	HORIZONTAL
HR	HOUR
HS	HIGH STRENGTH
HT	HEIGHT
HTG	HEATING
HVAC	HEATING/VENTILATING/AIR CONDITIONING
ID	INSIDE DIMENSION
IN	INCH / INCHES
INCAND	INCANDESCENT
INST	INSTRUMENT
INSUL	INSULATION / INSULATED
INT	INTERIOR
INV	INVERT
JAN	JANITOR
JC	JANITOR'S CLOSET
JST	JOIST
JT	JOINT
KIT	KITCHEN
KD	KNOCK DOWN
KPL	KICK PLATE
LAB	LABORATORY
LAM	LAMINATED
LAT	LATERAL
LAV	LAVATORY
LB	POUND
LBL	LABEL
LH	LEFT HAND
LHR	LEFT HAND REVERSE
LIN	LINEAR
LKR	LOCKER
LONG	LONGITUDINAL
LTG	LIGHTING
LT WT	LIGHT WEIGHT
LVL	LEVEL

ABBREVIATION	DESCRIPTION
MACH	MACHINE
MAINT	MAINTENANCE / MAINTAIN
MAN	MANUAL
MAS	MASONRY
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MDO	MEDIUM DENSITY OVERLOAD
MECH	MECHANICAL
MED	MEDIUM / MEDICAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFR	MANUFACTURE(R)
MID	MIDDLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MLD	MOLDING
MO	MASONRY OPENING
MOD	MODULAR
MTD	MOUNTED
MTL	METAL
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NO / NOS	NUMBER / NUMBERS
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFC	OFFICE
O/HD	OVERHEAD
OP	OPERABLE PANEL
OPNG	OPENING
OPP HD	OPPOSITE HAND
OPT	OPTIONAL
ORIG	ORIGINAL
OZ	OUNCE
PA	PUBLIC ADDRESS
PBD	PARTICLE BOARD
PE	PHYSICAL EDUCATION
PERIM	PERIMETER
PF	PRE-FINISHED
PL	PLATE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLAS	PLASTER
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT(ED)
POL	POLISH
POLY	POLYETHYLENE
POLYISO	POLYISOCYANURATE
PPT	PRESSURE PRESERVATIVE TREATED
PR	PAIR
PREP	PREPARATORY
PT	PRESSURE TREATED
PTN	PARTITION
PT WD	PRESSURE TREATED WOOD
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
QUAL	QUALITY
R	RISER
RAD	RADIUS
RAHU	ROOFTOP AIR HANDLING UNIT
RB	RUBBER / RUBBER WALL BASE
RD	ROOF DRAIN
REC	RECESSED
REF	REFERENCE
REFR	REFRIGERATOR
REQD	REQUIRED
RH	RIGHT HAND / ROOF HATCH
RHR	RIGHT HAND REVERSE
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
RST	RUBBER STAIR TREAD
RV	ROOF VENT
SC	SOLID CORE
SCF	SPECIAL CONCRETE FINISH
SCH	SCHEDULED
SD	SOAP DISPENSER
SECT	SECTION
SF	SQUARE FEET
SHT	SHEET
SIM	SIMILAR
SND	SANITARY NAPKIN DISPOSAL
SPEC	SPECIFICATION
SPKLR	SPRINKLER
SQ	SQUARE
SS	STAINLESS STEEL
SSM	SOLID SURFACE MATERIAL
ST	STONE
STA	STATION
STAG	STAGGERED
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL / STRUCTURE
SURV	SURVEY
SUSP	SUSPENDED
SUSP CLG	SUSPENDED ACOUSTICAL CEILING
SV	SMOKE VENT
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TBA	TOILET-BATH ACCESSORY
TECH	TECHNOLOGY
TECT	TECTUM
TERR	TERRAZZO
TERRB	TERRAZZO BASE
TEL	TELEPHONE
TEMP	TEMPORARY
THK	THICK
TMPD	TEMPERED
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TP	TOILET PARTITION
TPD	TOILET PAPER DISPENSER
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UTIL	UTILITY
VCT	VINYL COMPOSITION TILE
VCTAS	VINYL COMPOSITION TILE, ANTI-STATIC
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
V-PLAS	VENEER PLASTER
VTR	VENT THROUGH ROOF
V / VNR	VENEER
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WF	WIDE FLANGE
WH	WALL HUNG
WR	WATER RESISTANT
WT	WEIGHT
WV	WOOD VENEER
X	EXISTING
YD	YARD

ARCHITECTURAL LEGEND

MATERIAL INDICATIONS

EARTH
GRANULAR FILL
BRICK
CONCRETE MASONRY UNIT
CONCRETE
GROUT
ROUGH WOOD BLOCKING
SHIM
FINISH WOOD
PLYWOOD
SHEATHING
RIGID INSULATION
BATT INSULATION
EPS INSULATION
STEEL

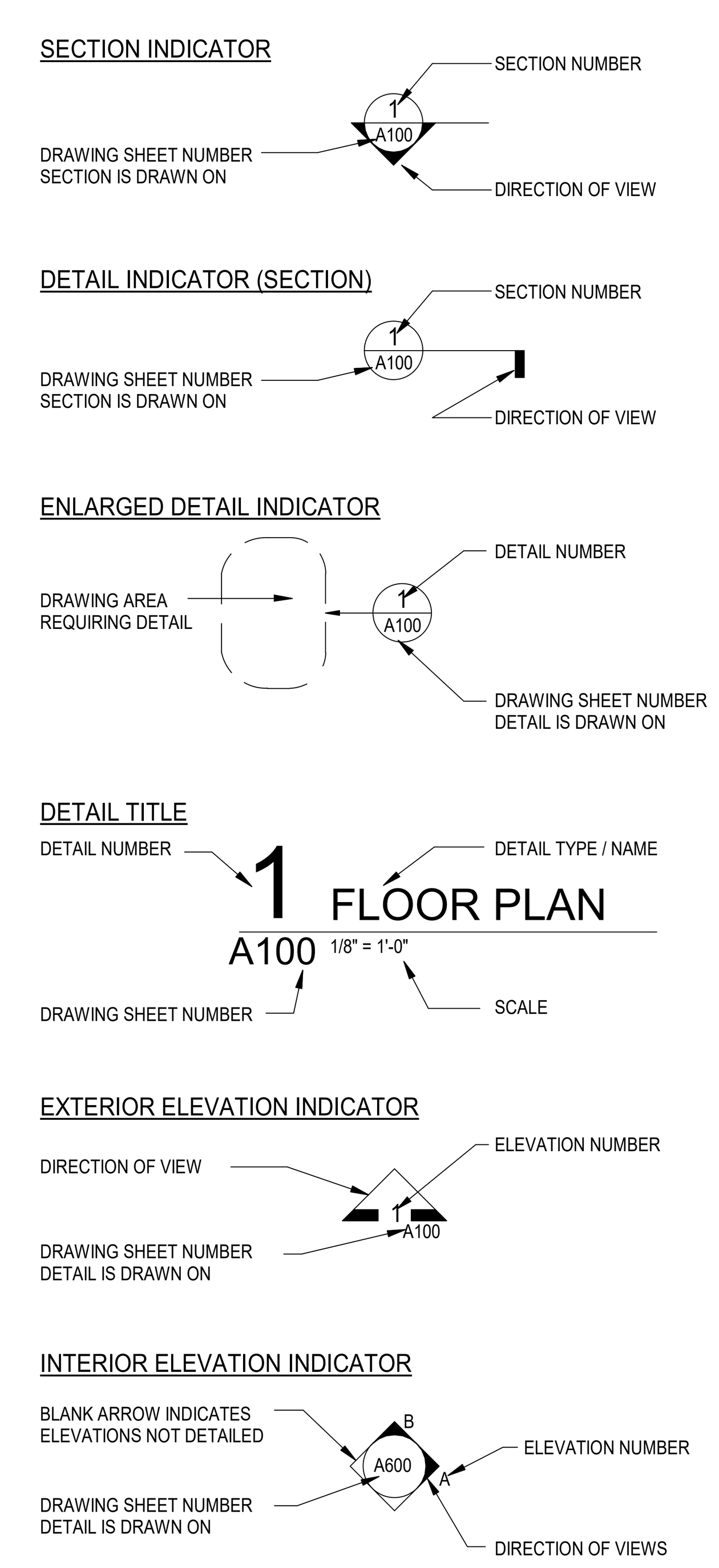
DIMENSIONING CONVENTIONS

FACE OF STUD OR CMU
COLUMN CENTER LINE

SYMBOL S

CLASSROOM 100 000 S.F. — ROOM NAME / ROOM NUMBER / AREA OF ROOM
A100 — DOOR NUMBER
1 — WINDOW TAG
BL1 — BORROWED LIGHT NUMBER
S1 — STOREFRONT / CURTAINWALL NUMBER
1 — COLUMN GRID DESIGNATION
1 — PARTITION TAG
M 1 — HOUR RATING OF PARTITION / ADDITIONAL NOTES FOR PARTITION
1 — REVISION NUMBER
1 — KEY NOTE, NEW WORK
1 — KEY NOTE, DEMOLITION WORK
+0'-0" — ELEVATION TAG
HANDICAPPED ACCESSIBLE ELEMENT OR FIXTURE

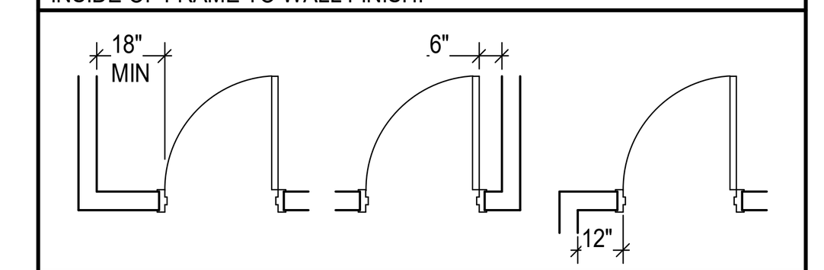
DETAIL INDICATOR LEGEND



PLAN GRAPHICS LEGEND

EXISTING CONSTRUCTION TO REMAIN
EXISTING CONSTRUCTION TO BE REMOVED
NEW CONCRETE MASONRY WALL
NEW METAL STUD WALL
NEW BRICK VENEER
EXISTING DOOR TO REMAIN
EXISTING DOOR TO BE REMOVED
NEW DOOR

FINISHED DOOR OPENINGS SHALL BE LOCATED AS INDICATED BELOW UNO. DIMENSIONS SHOWN ARE CLEAR DIMENSIONS FROM INSIDE OF FRAME TO WALL FINISH.



GENERAL NOTES

1. DIMENSIONS ARE GIVEN THUS (UNLESS NOTED OTHERWISE)
   A. TO FACE OF MASONRY WALL
   B. TO FACE OF METAL STUD
   C. TO COLUMN CENTERLINES
   D. TO FINISH FACE OF SOFFIT OR CEILING
   E. FACE OF EXISTING CONSTRUCTION
2. DO NOT SCALE DRAWINGS. IF A DIMENSION IS NOT SHOWN, BRING IT TO THE ATTENTION OF THE ARCHITECT FOR VERIFICATION BEFORE PROCEEDING WITH THE ASSOCIATED WORK
3. WALLS ON COLUMN LINES ARE CENTERED, UNO
4. ALL DIMENSIONS RELATED TO EXISTING CONDITIONS SHALL BE VERIFIED IN FIELD. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK IN THAT AREA.
5. LAYOUT OF TOILET FIXTURES AND ACCESSIBILITY CLEARANCES ARE SHOWN AS CLEAR DIMENSION. CONTRACTORS ARE REQUIRED TO COODINATE LAYOUTS OF PARTITIONS, UTILITY CONNECTIONS, AND THICKNESS OF FINISHES TO ALLOW THESE CLEAR DIMENSIONS.
6. ALL ELEVATIONS (X'-X") ARE REFERENCE FROM FIRST FLOOR ELEVATION
7. ALL WOOD BLOCKING WITHIN 2'-0" OF GRADE SHALL BE PRESSURE TREATED
8. ALL FLOOR PENETRATIONS SHALL BE SMOKE-SEALED AND /OR FIRE STOPPED. COORDINATE WITH 'H' DWGS FOR SMOKE / FIRE DAMPER REQUIREMENTS.
9. FOR INTERIOR PARTITION TYPES, REFER TO DRAWING A701
10. FOR DOOR SCHEDULE, REFER TO DRAWING A901
11. FOR FINISH SCHEDULE, REFER TO DRAWING AF901
12. ALL EXPOSED SURFACES OF NEW PARTITIONS AND SOFFITS ARE TO BE FINISHED.
13. PROVIDE PATCH TO MATCH EXISTING FINISHES AT ALL WALL REMOVAL AREAS, COORDINATE WITH DEMOLITION DRAWINGS AND SPECIFICATIONS.
14. ALL CONSTRUCTION SHOWN IS NEW UNLESS NOTED OTHERWISE

CSARCH
19 Front St. · Newburgh · New York 12550-7601
845 · 561 · 3179 www.csarchpc.com

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Sheet Title

SYMBOLS, ABBREVIATIONS, AND MISC

Sheet No.

HBE G001

CONSTRUCTION DOCUMENTS

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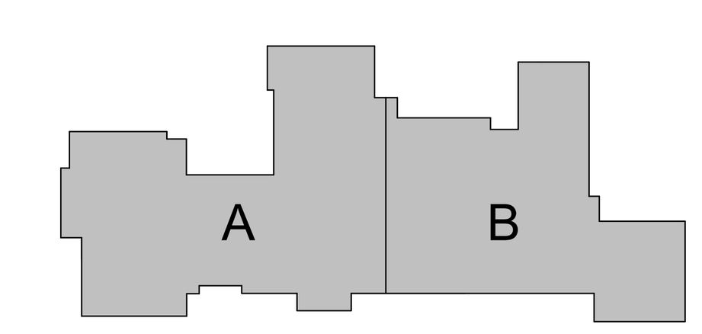
GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A400'S FOR ROOFING PLANS, ELEVATIONS, DETAILS AND NOTES.

KEY PLAN



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Sheet Title

OVERALL GROUND FLOOR PLAN

Sheet No.

HBE G101

CONSTRUCTION DOCUMENTS

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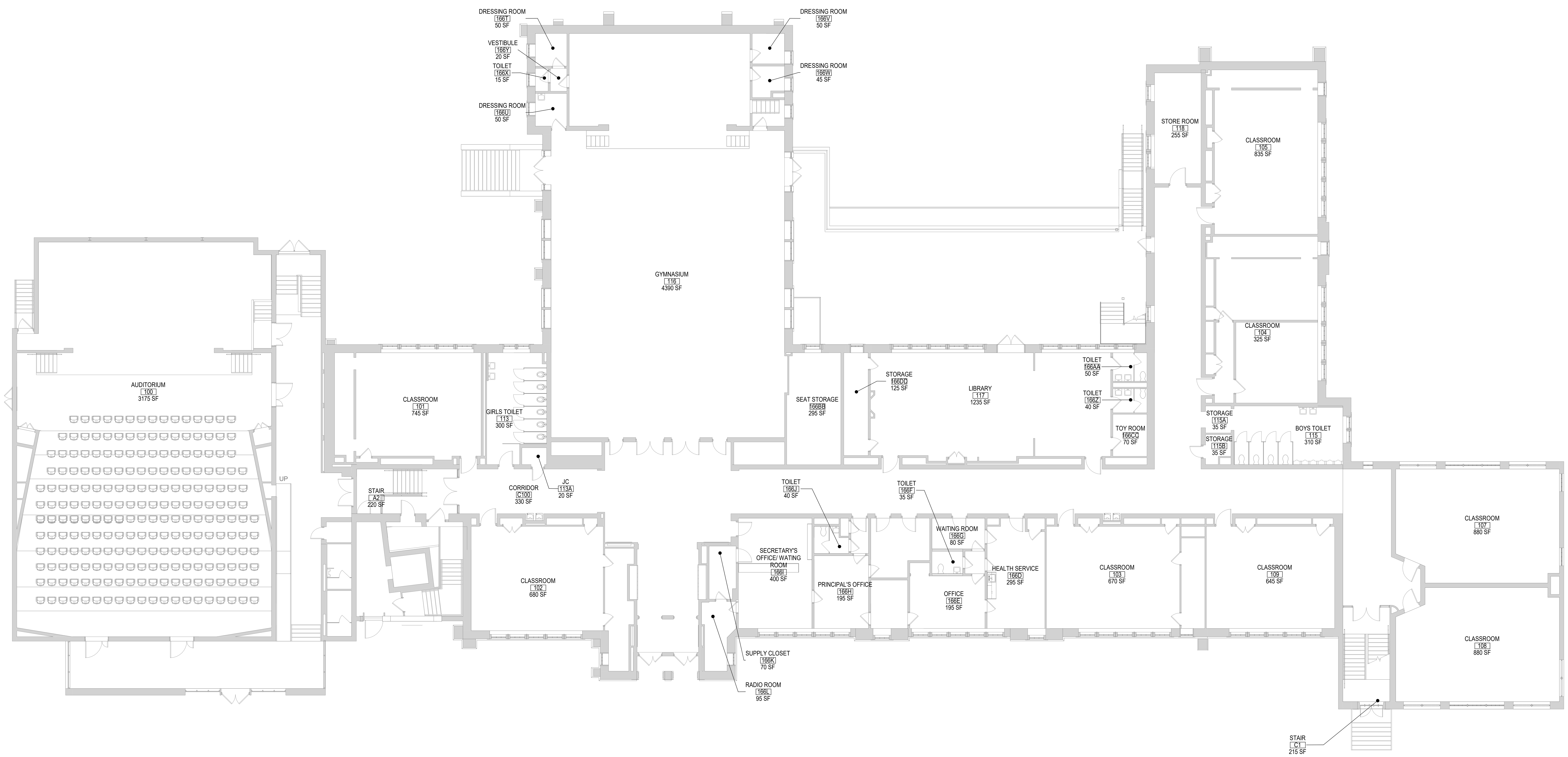
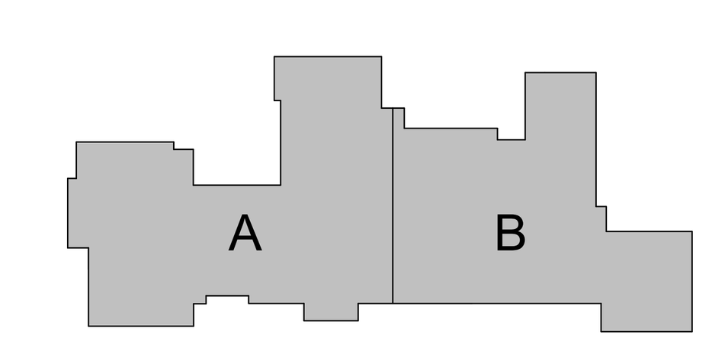


1 OVERALL FIRST FLOOR PLAN
G111 3/32" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A400'S FOR ROOFING PLANS, ELEVATIONS, DETAILS AND NOTES.

KEY PLAN



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Sheet Title

OVERALL FIRST FLOOR PLAN

Sheet No.

HBE G111

CONSTRUCTION DOCUMENTS

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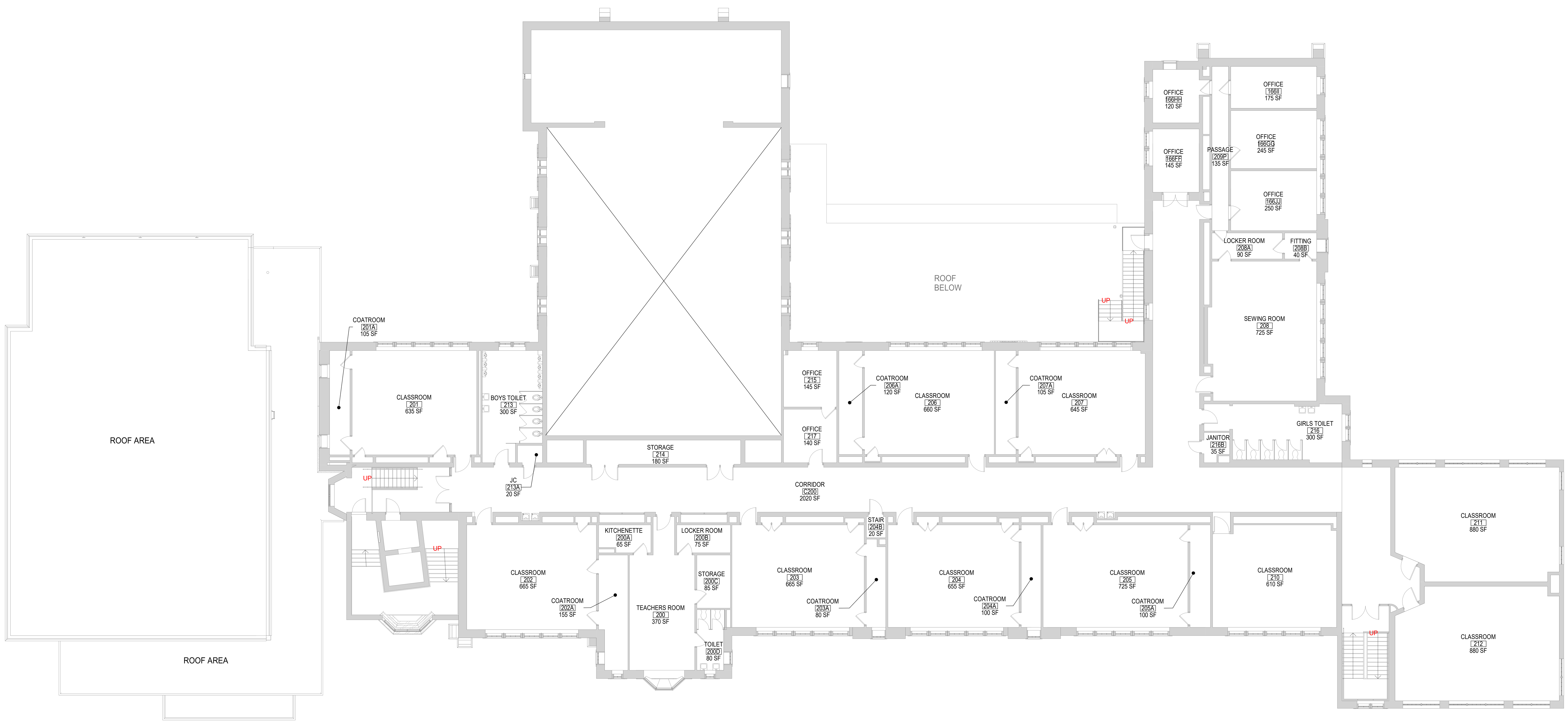
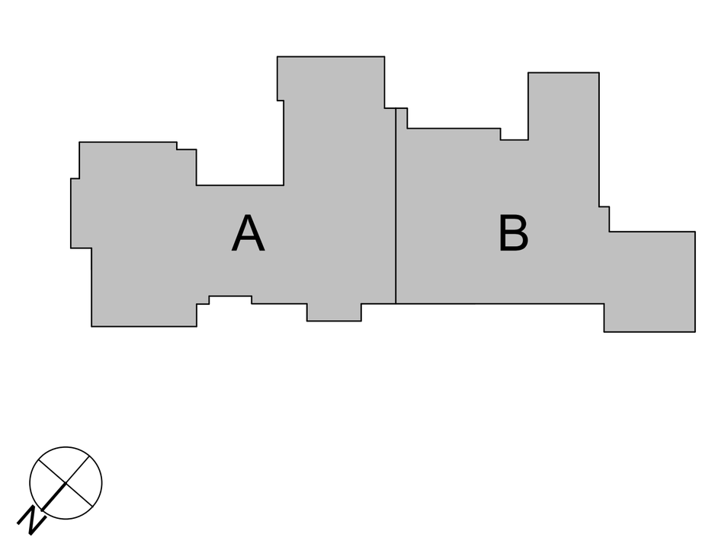


1 OVERALL SECOND FLOOR PLAN
G121 3/32" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A400'S FOR ROOFING PLANS, ELEVATIONS, DETAILS AND NOTES.

KEY PLAN



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Sheet Title
OVERALL SECOND FLOOR PLAN

Sheet No.
HBE G121

CONSTRUCTION DOCUMENTS

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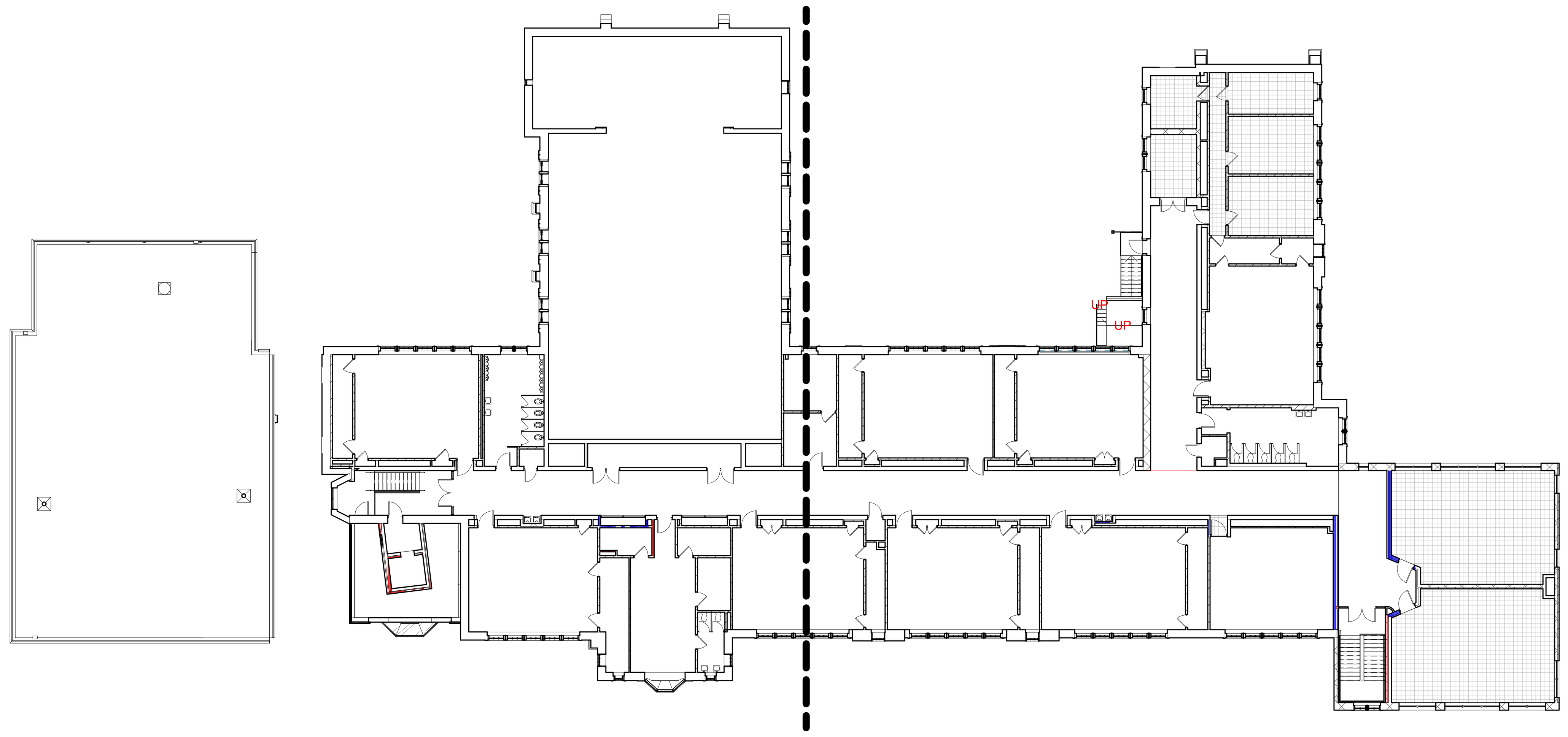
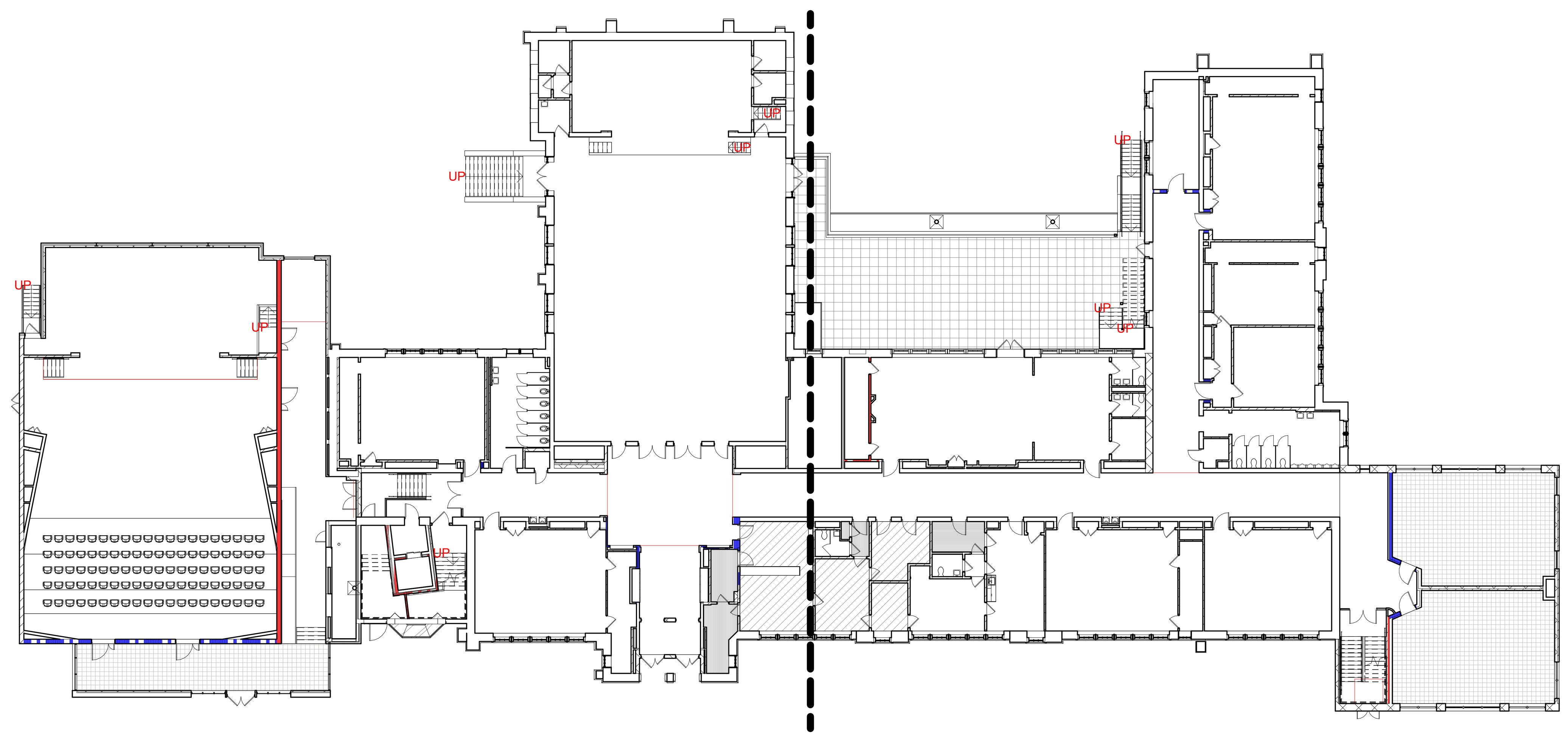
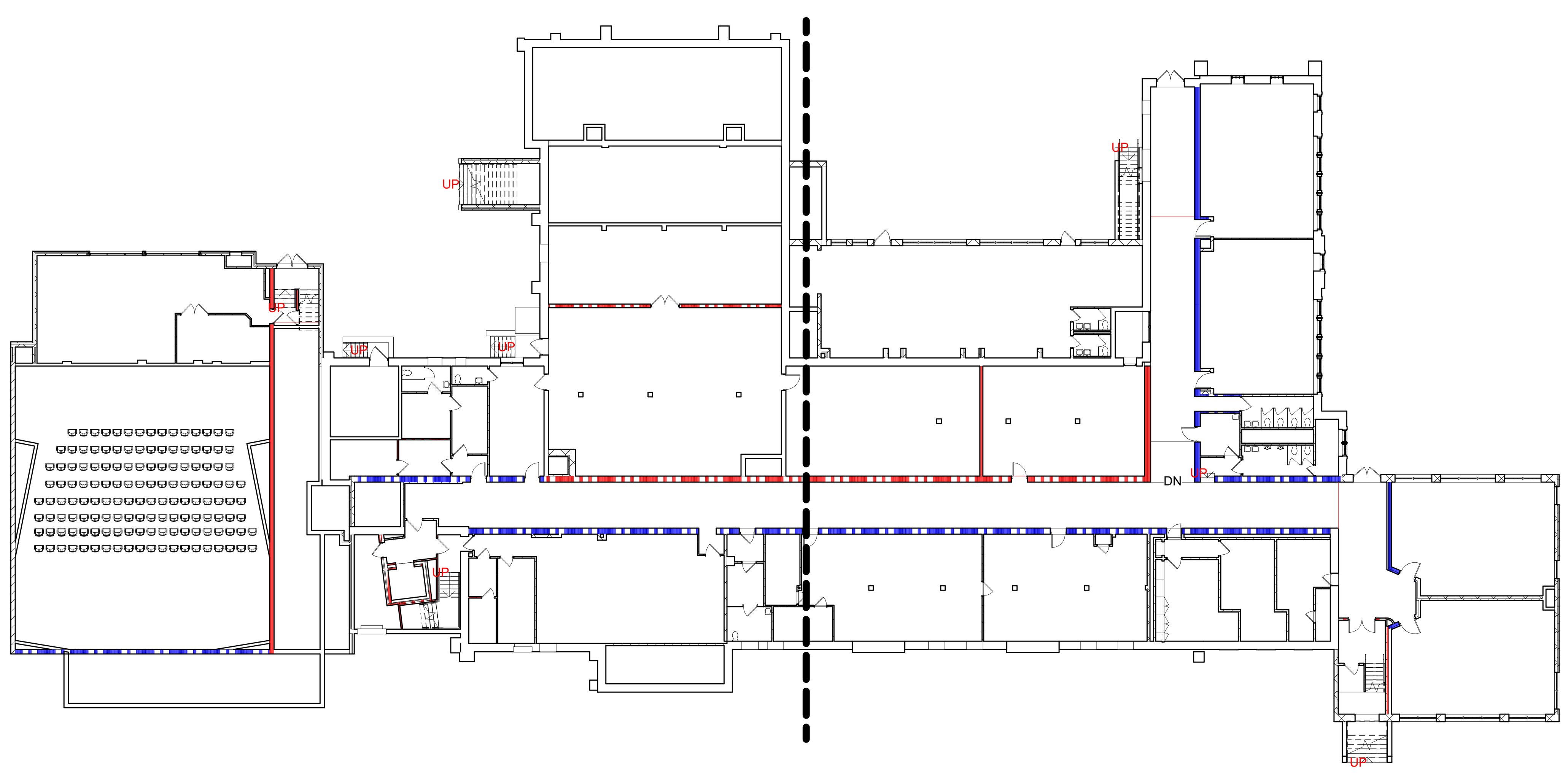


3 SECOND FLOOR LIFE SAFETY PLAN
LS101 3/64" = 1'-0"

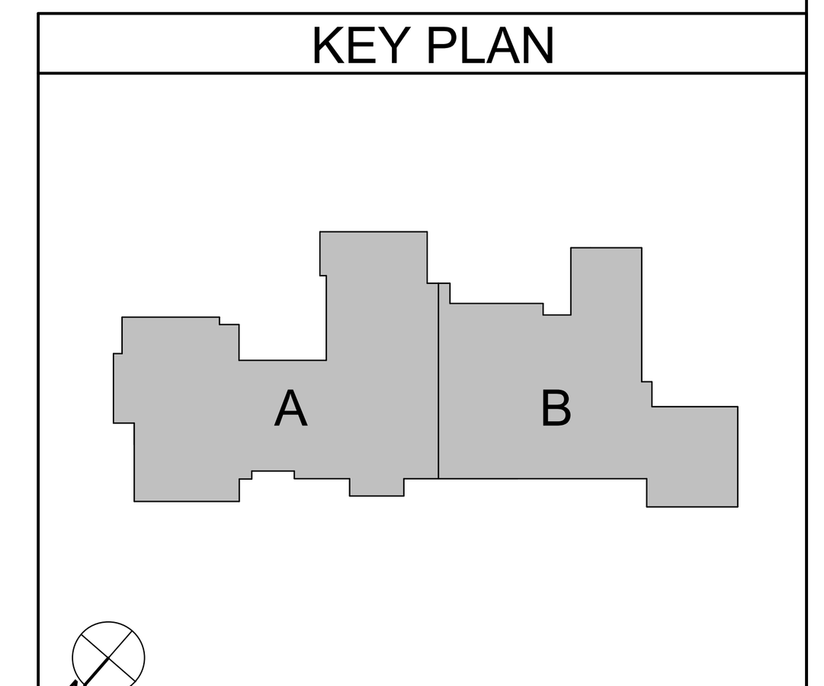


2 FIRST FLOOR LIFE SAFETY PLAN
LS101 3/64" = 1'-0"



1 GROUND FLOOR LIFE SAFETY PLAN
LS101 3/64" = 1'-0"

KEY PLAN



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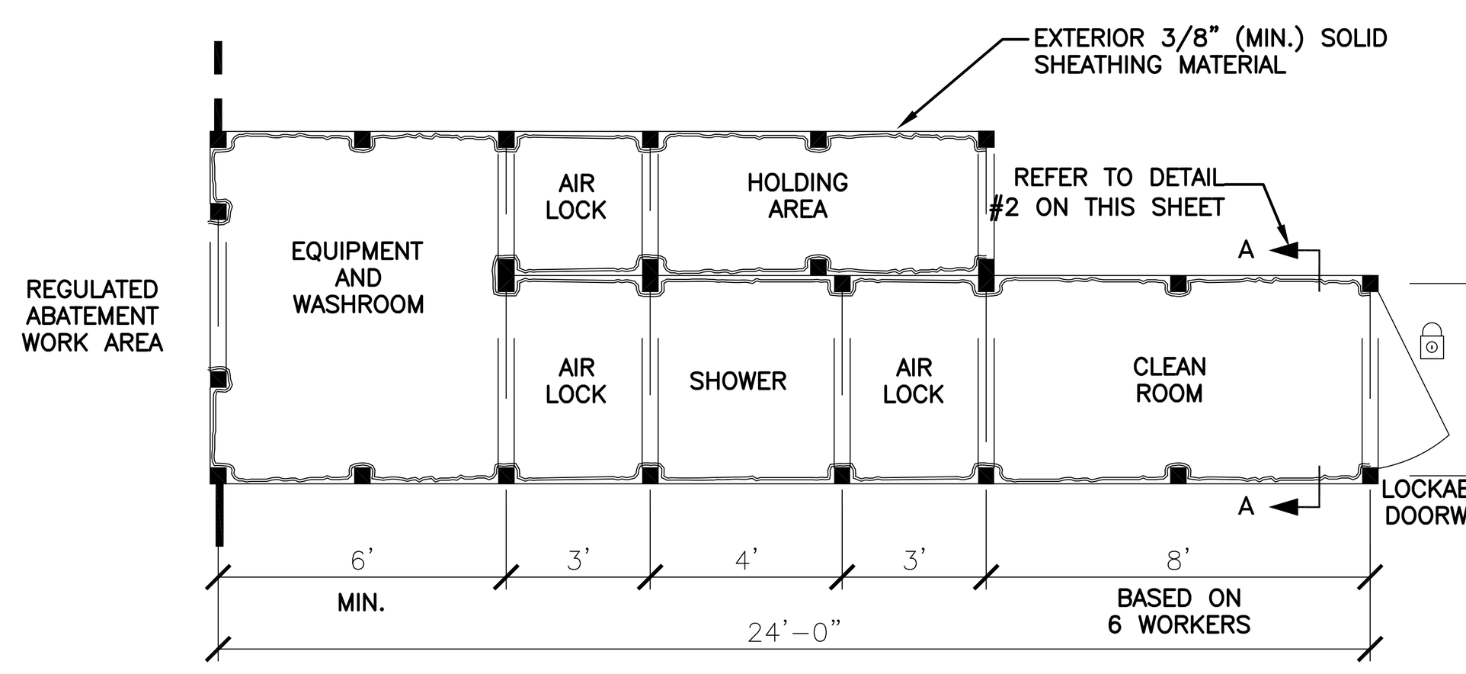
Sheet Title
LIFE SAFETY PLAN

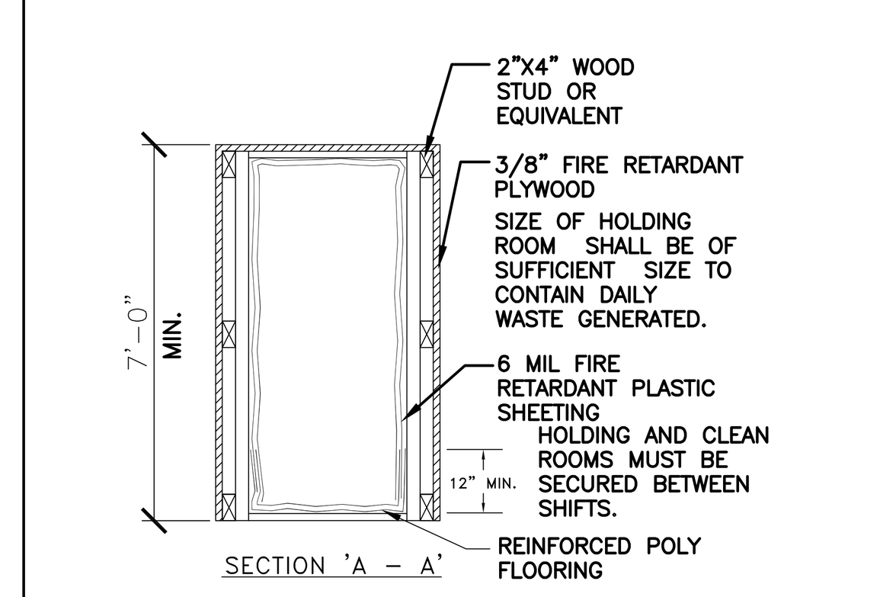
Sheet No.
HBE LS101

CONSTRUCTION DOCUMENTS

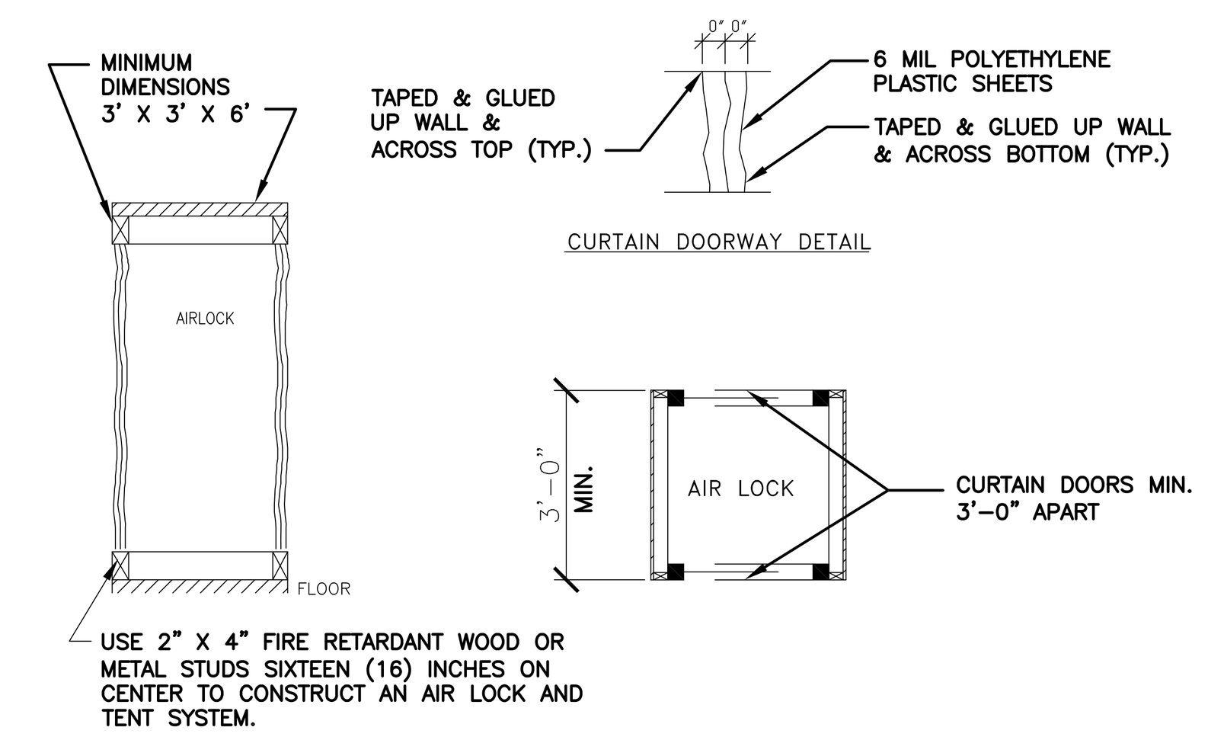
1 PARALLEL PERSONAL AND WASTE DECONTAMINATION SYSTEM ENCLOSURES LARGE ASBESTOS PROJECT



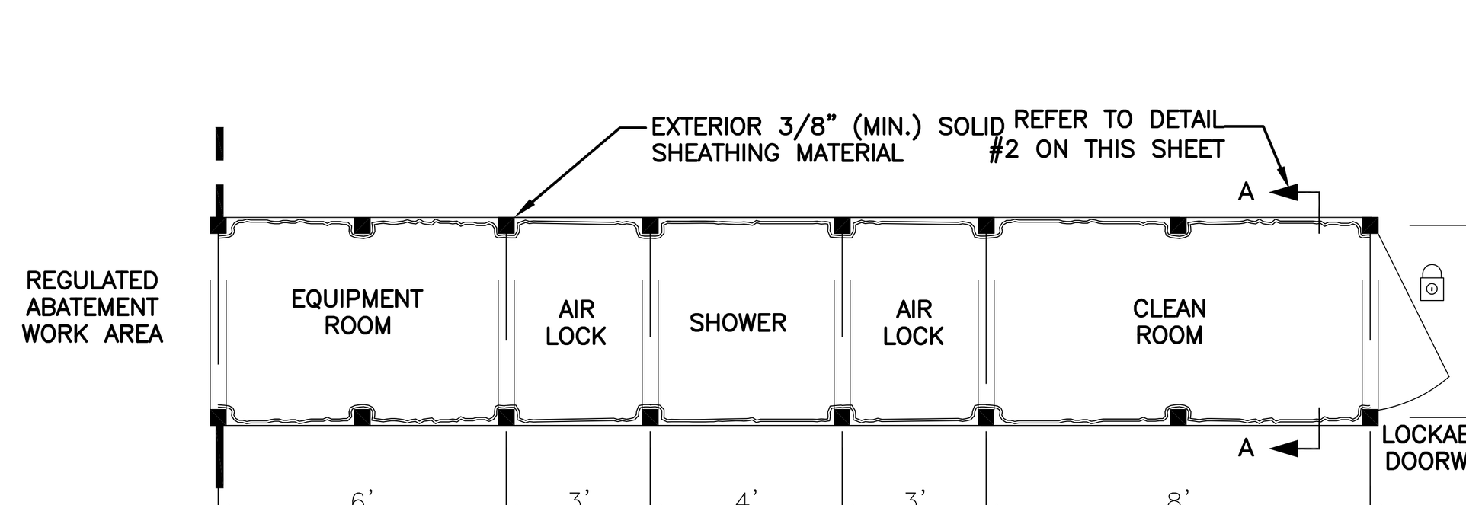
2 PERSONAL DECONTAMINATION ENCLOSURE LARGE SCALE



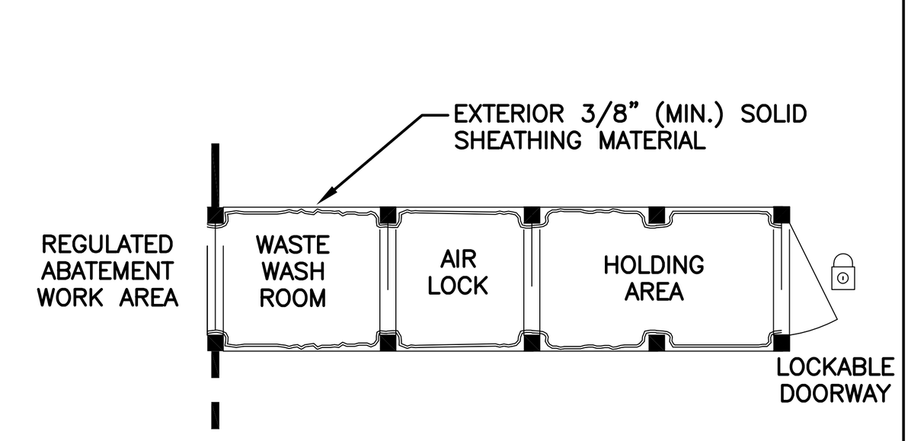
3 CROSS SECTION OF AIRLOCK PLAN OF AIRLOCK TYPICAL AIR LOCK DETAIL



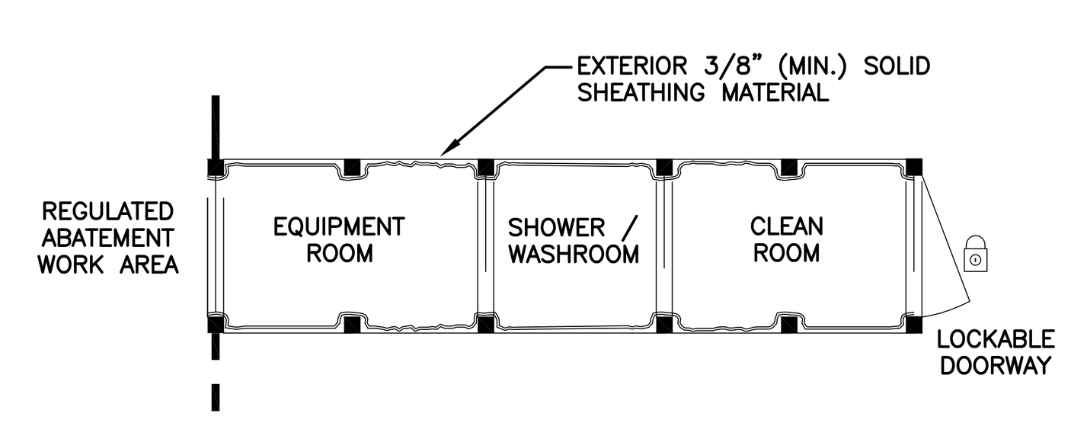
4 PERSONAL DECONTAMINATION SYSTEM ENCLOSURES LARGE ASBESTOS PROJECT



5 WASTE DECONTAMINATION SYSTEM ENCLOSURE - LARGE ASBESTOS PROJECT (OPTIONAL FOR SMALL ASBESTOS PROJECT)



6 PERSONAL AND WASTE DECONTAMINATION SYSTEM ENCLOSURE FOR A SMALL ASBESTOS PROJECT



PERSONAL AND WASTE DECONTAMINATION SYSTEM ENCLOSURES

PERSONAL DECONTAMINATION SYSTEM ENCLOSURES SHALL BE CONSTRUCTED AND FUNCTIONAL PRIOR TO COMMENCING THE REMAINDER OF THE PHASE II A REGULATED ABATEMENT WORK AREA PREPARATION ACTIVITIES. WASTE DECONTAMINATION SYSTEM ENCLOSURES SHALL BE CONSTRUCTED AND FUNCTIONAL AT THE COMPLETION OF PHASE II A PREPARATION ACTIVITIES. AFTER INSTALLATION OF THE PERSONAL DECONTAMINATION SYSTEM ENCLOSURE, ALL ACCESS TO THE REGULATED ABATEMENT WORK AREA SHALL BE VIA THE INSTALLED PERSONAL DECONTAMINATION SYSTEM ENCLOSURE.

PERSONAL DECONTAMINATION SYSTEM ENCLOSURE—LARGE PROJECT.

(1) ENCLOSURE—GENERAL. A PERSONAL DECONTAMINATION SYSTEM ENCLOSURE SHALL BE PROVIDED OUTSIDE THE REGULATED ABATEMENT WORK AREA AND ATTACHED TO ALL LOCATIONS WHERE PERSONNEL SHALL ENTER OR EXIT THE REGULATED ABATEMENT WORK AREA. ONE PERSONAL DECONTAMINATION ENCLOSURE SYSTEM FOR EACH REGULATED ABATEMENT WORK AREA SHALL BE REQUIRED. THIS SYSTEM MAY UTILIZE ADEQUATE EXISTING LIGHTING SOURCES SEPARATE FROM THE DECONTAMINATION SYSTEM ENCLOSURE, OR SHALL BE SUPPLIED WITH A GFCI PROTECTED TEMPORARY LIGHTING SYSTEM. THE PERSONAL DECONTAMINATION SYSTEM ENCLOSURE SHALL BE SIZED TO ACCOMMODATE THE NUMBER OF WORKERS AND EQUIPMENT REQUIRED FOR THE INTENDED PURPOSE. SUCH SYSTEM MAY CONSIST OF EXISTING ATTACHED ROOMS OUTSIDE OF THE REGULATED ABATEMENT WORK AREA, IF THE LAYOUT IS APPROPRIATE, THAT CAN BE PLASTICIZED AND ARE ACCESSIBLE FROM THE REGULATED ABATEMENT WORK AREA. WHEN THIS SITUATION DOES NOT EXIST, PERSONAL DECONTAMINATION ENCLOSURE SYSTEMS MAY BE CONSTRUCTED OF METAL, WOOD OR PLASTIC SUPPORTS COVERED WITH FIRE- RETARDANT PLASTIC SHEETING. A MINIMUM OF ONE LAYER OF SIX MIL FIRE-RETARDANT PLASTIC SHEETING SHALL BE INSTALLED ON THE CEILING, AND WALLS OF THE ENCLOSURE SYSTEM. AT LEAST TWO LAYERS OF SIX MIL FIRE-RETARDANT REINFORCED PLASTIC SHEETING SHALL BE USED FOR FLOORING PROTECTION OF THIS AREA. THIS SYSTEM MUST BE KEPT CLEAN, SANITARY AND CLIMATE CONTROLLED AT ALL TIMES IN CONFORMANCE WITH ALL FEDERAL, STATE AND LOCAL GOVERNMENT REQUIREMENTS. THIS SYSTEM SHALL REMAIN ON-SITE, OPERATIONAL AND BE USED UNTIL COMPLETION OF PHASE II C OF THE ASBESTOS PROJECT.

(2) ROOMS AND CONFIGURATION. THE PERSONAL DECONTAMINATION SYSTEM ENCLOSURE SHALL CONSIST OF A CLEAN ROOM, A SHOWER ROOM AND AN EQUIPMENT ROOM CONNECTED IN SERIES BUT SEPARATED FROM EACH OTHER BY AIRLOCKS. THERE SHALL BE A CURTAINED DOORWAY SEPARATION BETWEEN THE EQUIPMENT ROOM AND THE REGULATED ABATEMENT WORK AREA, AND THERE SHALL BE A LOCKABLE DOOR TO THE OUTSIDE. MINIMUM DIMENSIONS FOR EACH AIRLOCK, SHOWER ROOM AND EQUIPMENT ROOM SHALL BE THREE FEET WIDE BY SIX FEET IN HEIGHT, TO ALLOW FOR ADEQUATE ACCESS TO AND FROM THE REGULATED ABATEMENT WORK AREA.

(3) CURTAINED DOORWAY. AN ASSEMBLY WHICH CONSISTS OF AT LEAST THREE OVERLAPPING SHEETS OF SIX MIL FIRE-RETARDANT PLASTIC OVER AN EXISTING OR TEMPORARILY FRAMED DOORWAY. ONE SHEET SHALL BE SECURED AT THE TOP AND LEFT SIDE, THE SECOND SHEET AT THE TOP AND RIGHT SIDE, AND THE THIRD SHEET AT THE TOP AND LEFT SIDE. ALL SHEETS SHALL HAVE WEIGHTS ATTACHED TO THE BOTTOM TO INSURE THAT THE SHEETS HANG STRAIGHT AND MAINTAIN A SEAL OVER THE DOORWAY WHEN NOT IN USE.

(4) FRAMING. ENCLOSURE SYSTEMS ACCESSIBLE TO THE PUBLIC SHALL BE FULLY FRAMED, HARD-WALL SHEATHED AND UTILIZE A LOCKABLE DOOR FOR SAFETY AND SECURITY.

(5) SHEATHING. A PLYWOOD OR ORIENTED STRAND BOARD (OSB) SHEATHING MATERIAL OF AT LEAST ⅜ -INCH THICKNESS.

(6) PLASTIC SHEETING. ENCLOSURE SYSTEMS CONSTRUCTED AT THE WORK SITE SHALL USE AT LEAST ONE LAYER OF SIX MIL FIRE-RETARDANT PLASTIC SHEETING ON WALLS AND CEILING. AT LEAST TWO LAYERS OF SIX MIL FIRE-RETARDANT REINFORCED PLASTIC SHEETING SHALL BE USED FOR FLOOR PROTECTION OF THIS AREA.

(7) PREFABRICATED OR TRAILER UNITS. A COMPLETELY WATERTIGHT FIBERGLASS OR MARINE PAINTED PREFABRICATED UNIT DOES NOT REQUIRE PLASTICIZING. ROOMS SHALL BE CONFIGURED AS PER NYCRR PART 56-7.5. ALL PREFABRICATED OR TRAILER DECONTAMINATION UNITS SHALL BE KEPT IN GOOD CONDITION, AND SHALL BE COMPLETELY DECONTAMINATED AFTER FINAL CLEANING AND IMMEDIATELY PRIOR TO CLEARANCE AIR SAMPLING. UPON RECEIVING SATISFACTORY CLEARANCE AIR RESULTS, THE PREFABRICATED UNITS SHALL BE SEALED THEN SEPARATED FROM THE REGULATED ABATEMENT WORK AREA AND REMOVED FROM THE SITE.

(8) CLEAN ROOM. THE CLEAN ROOM SHALL BE SIZED TO ACCOMMODATE A FULL WORKSHIFT OF ASBESTOS ABATEMENT CONTRACTOR PERSONNEL, AS WELL AS THE AIR SAMPLING TECHNICIAN AND THE PROJECT MONITOR. THE CLEAN ROOM SHALL BE A MINIMUM OF SIX FEET IN HEIGHT. A MINIMUM OF 32 SQUARE FEET OF FLOOR SPACE SHALL BE PROVIDED FOR EVERY SIX FULL SHIFT ABATEMENT WORKERS, CALCULATED ON THE BASIS OF THE LARGEST WORK SHIFT. IF THE LARGEST WORK SHIFT CONSISTS OF THREE OR LESS FULL SHIFT ABATEMENT WORKERS, THE MINIMUM CLEAN ROOM SIZE REQUIREMENT IS REDUCED TO 24 SQUARE FEET OF FLOOR SPACE. BENCHES, LOCKERS AND HOOKS SHALL BE PROVIDED FOR STREET CLOTHES. SHELVES FOR STORING RESPIRATORS SHALL BE PROVIDED. CLEAN CLOTHING, REPLACEMENT FILTERS FOR RESPIRATORS, TOWELS AND OTHER NECESSARY ITEMS SHALL BE PROVIDED. THE CLEAN ROOM SHALL NOT BE USED FOR STORAGE OF TOOLS, EQUIPMENT OR MATERIALS. IT SHALL NOT BE USED FOR OFFICE SPACE. A LOCKABLE DOOR SHALL BE PROVIDED TO PERMIT ACCESS TO THE CLEAN ROOM FROM OUTSIDE THE REGULATED ABATEMENT WORK AREA OR ENCLOSURE AND SHALL BE USED TO SECURE THE REGULATED ABATEMENT WORK AREA AND DECONTAMINATION ENCLOSURE DURING NON-WORK HOURS.

(9) SHOWER ROOM. THE SHOWER ROOM SHALL CONTAIN ONE SHOWER PER EVERY SIX FULL SHIFT ABATEMENT WORKERS, CALCULATED ON THE BASIS OF THE LARGEST WORK SHIFT. MULTIPLE SHOWERS SHALL BE SIMULTANEOUSLY ACCESSIBLE (INSTALLED IN PARALLEL) TO CERTIFIED PERSONNEL. EACH SHOWERHEAD SHALL BE SUPPLIED WITH HOT AND COLD WATER ADJUSTABLE AT THE TAP. THE SHOWER ENCLOSURE SHALL BE CONSTRUCTED TO ENSURE AGAINST LEAKAGE OF ANY KIND. UNCONTAMINATED SOAP, SHAMPOO AND TOWELS SHALL BE AVAILABLE AT ALL TIMES. SHOWER WATER SHALL BE DRAINED, COLLECTED AND FILTERED THROUGH A SYSTEM WITH AT LEAST 5.0-MICRON PARTICLE SIZE COLLECTION CAPABILITY. SUBMERSIBLE PUMPS SHALL BE INSTALLED, MAINTAINED AND UTILIZED IN ACCORDANCE WITH PERTINENT OSHA REGULATIONS AND MANUFACTURER'S RECOMMENDATIONS. A MULTI-STAGE FILTERING SYSTEM CONTAINING A SERIES OF SEVERAL FILTERS WITH PROGRESSIVELY SMALLER PORE SIZES SHALL BE USED TO AVOID RAPID CLOGGING OF THE FILTERING SYSTEM BY LARGER PARTICLES. FILTERED WASTEWATER SHALL BE DISCHARGED IN ACCORDANCE WITH APPLICABLE CODES. CONTAMINATED FILTERS SHALL BE DISPOSED OF AS ASBESTOS-CONTAMINATED WASTE.

(10) EQUIPMENT ROOM. THE EQUIPMENT ROOM SHALL BE USED FOR THE STORAGE OF DECONTAMINATED EQUIPMENT AND TOOLS. A ONE-DAY SUPPLY OF REPLACEMENT FILTERS FOR HEPA-VACUUMS AND NEGATIVE PRESSURE VENTILATION EQUIPMENT IN SEALED CONTAINERS, EXTRA TOOLS, CONTAINERS OF SURFACTANT AND OTHER MATERIALS AND EQUIPMENT THAT MAY BE REQUIRED DURING THE ABATEMENT PROJECT MAY ALSO BE STORED HERE. A CONTAINER LINED WITH A LABELED, AT LEAST SIX MIL PLASTIC BAG FOR COLLECTION OF CLOTHING SHALL BE LOCATED IN THIS ROOM. CONTAMINATED FOOTWEAR AND WORK CLOTHES SHALL BE STORED IN THIS AREA.

(11) AIRLOCKS. AIRLOCK CONSTRUCTION SHALL CONSIST OF TWO CURTAINED DOORWAYS WITH THREE ALTERNATING SIX MIL FIRE-RETARDANT POLYETHYLENE CURTAINS PER DOORWAY, SEPARATED BY A DISTANCE OF AT LEAST THREE FEET, SUCH THAT ONE PASSES THROUGH ONE DOORWAY INTO THE AIRLOCK, ALLOWING THE DOORWAY SHEETING TO OVERLAP AND CLOSE OFF THE OPENING BEFORE PROCEEDING THROUGH THE NEXT DOORWAY. MINIMUM AIRLOCK SIZE SHALL BE THREE FEET WIDE, BY THREE FEET LONG, BY SIX FEET IN HEIGHT.

PERSONAL DECONTAMINATION SYSTEM ENCLOSURE—SMALL PROJECT.

(1) ENCLOSURE REQUIREMENTS. A PERSONAL DECONTAMINATION SYSTEM ENCLOSURE FOR A SMALL ASBESTOS PROJECT SHALL CONSIST OF, AT A MINIMUM, AN EQUIPMENT ROOM, A SHOWER ROOM AND A CLEAN ROOM SEPARATED FROM EACH OTHER AND FROM THE REGULATED ABATEMENT WORK AREA AND OTHER AREAS BY CURTAINED DOORWAYS AS DEFINED IN SECTION 56-2.1 OF NYCRR PART 56. ALL OTHER PROVISIONS FOR PERSONAL DECONTAMINATION SYSTEM FOR A LARGE ASBESTOS PROJECT SHALL APPLY. EQUIPMENT STORAGE, PERSONAL GROSS DECONTAMINATION AND REMOVAL OF CLOTHING SHALL OCCUR IN THE EQUIPMENT ROOM JUST PRIOR TO ENTERING THE SHOWER. THE FULL PERSONAL DECONTAMINATION SYSTEM ENCLOSURE SPECIFIED FOR LARGE ASBESTOS PROJECTS IS RECOMMENDED.

REMOTE PERSONAL DECONTAMINATION SYSTEM ENCLOSURE.

IF A PERSONAL DECONTAMINATION SYSTEM CANNOT BE ATTACHED TO THE REGULATED ABATEMENT WORK AREA, DUE TO AVAILABLE SPACE RESTRICTIONS OR OTHER BUILDING AND FIRE CODE RESTRICTIONS, A REMOTE PERSONAL DECONTAMINATION SYSTEM ENCLOSURE MAY BE USED FOR LIMITED SPECIAL PROJECTS AS PER SUBPART 56-11 OF NYCRR PART 56, NEGATIVE PRESSURE TENT ENCLOSURE WORK AREAS WITH GLOVEBAG ONLY ABATEMENT, OR IF NON-FRIABLE ACM IS BEING REMOVED IN A MANNER WHICH WILL NOT RENDER THE ACM FRIABLE. IF IT IS FOUND DURING PHASE II B, THAT THE NON-FRIABLE ACM OR ASBESTOS MATERIAL WILL BECOME FRIABLE DURING THE REMOVAL PROCESS, AND IT IS LOGISTICALLY POSSIBLE TO ATTACH THE DECONTAMINATION SYSTEM ENCLOSURE, ABATEMENT WORK MUST STOP IMMEDIATELY WHILE THE REMOTE PERSONAL DECONTAMINATION SYSTEM IS RELOCATED TO BE ATTACHED AND CONTIGUOUS TO THE REGULATED ABATEMENT WORK AREA. THE FOLLOWING REQUIREMENTS APPLY FOR ALL REMOTE PERSONAL DECONTAMINATION SYSTEMS:

(1) PROTECTIVE CLOTHING. WORKERS SHALL DON TWO SETS OF DISPOSABLE PROTECTIVE CLOTHING AND A SUPPLY OF PROTECTIVE CLOTHING SHALL BE KEPT IN THE AIRLOCKS ATTACHED TO THE REGULATED ABATEMENT WORK AREA.

(2) LOCATION. THE REMOTE PERSONAL DECONTAMINATION SYSTEM SHALL BE CONSTRUCTED AS CLOSE TO THE REGULATED ABATEMENT WORK AREA AS PHYSICALLY POSSIBLE. IF THE REMOTE PERSONAL DECONTAMINATION SYSTEM MUST BE LOCATED AT THE EXTERIOR OF THE BUILDING/STRUCTURE DUE TO SPACE OR CODE RESTRICTIONS, IT SHALL BE CONSTRUCTED WITHIN 50 FEET OF THE BUILDING/STRUCTURE EXIT USED FOR ACCESS BY THE ASBESTOS ABATEMENT CONTRACTOR PERSONNEL. THE DECONTAMINATION UNIT SHALL BE CORDONED OFF AT A DISTANCE OF 25 FEET TO SEPARATE IT FROM PUBLIC AREAS.

(3) AIRLOCKS. AT A MINIMUM, TWO EXTRA AIRLOCKS AS DEFINED IN SECTION 56-2.1 OF NYCRR PART 56 SHALL BE CONSTRUCTED AS PER PARAGRAPH (B)(11) OF SECTION 56-7.5. ONE SHALL BE CONSTRUCTED AT THE ENTRANCE TO THE EQUIPMENT ROOM OR EQUIPMENT/WASHROOM. THE OTHER EXTRA AIRLOCK SHALL BE CONSTRUCTED AT THE ENTRANCE TO THE CONTAINMENT OR REGULATED ABATEMENT WORK AREA(S). THESE AIRLOCKS SHALL HAVE LOCKABLE DOORWAYS AT THE ENTRANCE TO THE AIRLOCK FROM UNCONTAMINATED AREAS. THESE AIRLOCKS SHALL BE CORDONED OFF AT A DISTANCE OF 25 FEET AND APPROPRIATELY SIGNED IN ACCORDANCE WITH SECTION 56-7.4(C) OF NYCRR PART 56. AIRLOCKS SHALL NOT BE USED AS A WASTE DECONTAMINATION AREA AND SHALL BE KEPT CLEAN AND FREE OF ASBESTOS CONTAINING MATERIAL.

(4) DESIGNATED PATHWAY. THE WALKWAY FROM THE REGULATED ABATEMENT WORK AREA TO THE PERSONAL DECONTAMINATION SYSTEM OR NEXT REGULATED ABATEMENT WORK AREA SHALL BE CORDONED OFF AND SIGNAGE INSTALLED AS PER SECTION 56-7.4(C) OF NYCRR PART 56, TO DELINEATE IT FROM PUBLIC AREAS WHILE IN USE DURING PHASES II A THROUGH II D.

(5) TRAVEL THROUGH UNCONTAMINATED AREAS. IF AT ANY TIME A WORKER MUST TRAVEL THROUGH AN UNCONTAMINATED AREA TO ACCESS THE PERSONAL DECONTAMINATION AREA, THE WORKER SHALL HEPA-VACUUM AND/OR WET WIPE HIS/HER OUTER PROTECTIVE CLOTHING WHILE IN THE REGULATED ABATEMENT WORK AREA, THEN PROCEED INTO THE AIRLOCK, WHICH SERVES AS A CHANGING AREA, WHERE HE/SHE SHALL REMOVE THE OUTER CLOTHING AND DON A CLEAN SET OF PROTECTIVE CLOTHING. THE WORKER MAY THEN PROCEED TO THE PERSONAL DECONTAMINATION SYSTEM ENCLOSURE ONLY ALONG A DESIGNATED PATHWAY AS DESCRIBED ABOVE. TRAVEL IN ANY OTHER AREA SHALL NOT BE ALLOWED.

(6) REMOVAL. THE REMOTE PERSONAL DECONTAMINATION UNIT SHALL BE REMOVED ONLY AFTER SATISFACTORY CLEARANCE AIR SAMPLING RESULTS HAVE BEEN ACHIEVED.

WASTE DECONTAMINATION SYSTEM ENCLOSURE—LARGE AND SMALL ASBESTOS PROJECTS.

(1) ENCLOSURE—GENERAL. A WASTE DECONTAMINATION SYSTEM ENCLOSURE SHALL BE PROVIDED OUTSIDE THE REGULATED ABATEMENT WORK AREA AND SHALL BE ATTACHED TO THE REGULATED ABATEMENT WORK AREA. ONE WASTE DECONTAMINATION ENCLOSURE FOR EACH REGULATED ABATEMENT WORK AREA SHALL BE REQUIRED. THIS SYSTEM MAY UTILIZE ADEQUATE EXISTING LIGHTING SOURCES SEPARATE FROM THE DECONTAMINATION SYSTEM ENCLOSURE, OR SHALL BE SUPPLIED WITH A GFCI PROTECTED TEMPORARY LIGHTING SYSTEM. THE WASTE DECONTAMINATION SYSTEM ENCLOSURE SHALL BE SIZED TO ACCOMMODATE THE NUMBER OF WORKERS AND EQUIPMENT FOR THE INTENDED PURPOSE. SUCH SYSTEM MAY CONSIST OF EXISTING ATTACHED ROOMS OUTSIDE OF THE REGULATED ABATEMENT WORK AREA, IF THE LAYOUT IS APPROPRIATE, THAT CAN BE PLASTICIZED AND ARE ACCESSIBLE FROM THE REGULATED ABATEMENT WORK AREA. WHEN THIS SITUATION DOES NOT EXIST, ENCLOSURE SYSTEMS MAY BE CONSTRUCTED OF METAL, WOOD OR PLASTIC SUPPORTS COVERED WITH FIRE-RETARDANT PLASTIC SHEETING. A MINIMUM OF ONE LAYER OF SIX MIL FIRE-RETARDANT PLASTIC SHEETING SHALL BE INSTALLED ON THE CEILING, AND WALLS OF THE ENCLOSURE SYSTEM. AT LEAST TWO LAYERS OF SIX MIL FIRE-RETARDANT REINFORCED PLASTIC SHEETING SHALL BE USED FOR FLOORING PROTECTION OF THIS AREA. THIS SYSTEM MUST BE KEPT CLEAN, SANITARY AND CLIMATE CONTROLLED AT ALL TIMES IN CONFORMANCE TO ALL FEDERAL, STATE AND LOCAL GOVERNMENT REQUIREMENTS. THIS SYSTEM SHALL REMAIN AND BE USED UNTIL COMPLETION OF PHASE II C OF THE ASBESTOS PROJECT.

(2) ROOMS AND CONFIGURATION. A WASTE DECONTAMINATION SYSTEM ENCLOSURE SHALL CONSIST OF A WASHROOM AND A HOLDING AREA CONNECTED IN SERIES BUT SEPARATED FROM EACH OTHER BY AN AIRLOCK. THERE SHALL BE A LOCKABLE DOOR TO THE OUTSIDE, AND THERE SHALL BE A CURTAINED DOORWAY BETWEEN THE WASHROOM AND THE REGULATED ABATEMENT WORK AREA.

(3) CURTAINED DOORWAY. AN ASSEMBLY WHICH CONSISTS OF AT LEAST THREE OVERLAPPING SHEETS OF SIX MIL FIRE-RETARDANT PLASTIC OVER AN EXISTING OR TEMPORARILY FRAMED DOORWAY. ONE SHEET SHALL BE SECURED AT THE TOP AND LEFT SIDE, THE SECOND SHEET AT THE TOP AND RIGHT SIDE, AND THE THIRD SHEET AT THE TOP AND LEFT SIDE. ALL SHEETS SHALL HAVE WEIGHTS ATTACHED TO THE BOTTOM TO INSURE THAT THE SHEETS HANG STRAIGHT AND MAINTAIN A SEAL OVER THE DOORWAY WHEN NOT IN USE.

(4) WASHROOM. A ROOM/CHAMBER BETWEEN THE REGULATED ABATEMENT WORK AREA AND THE HOLDING AREA IN THE WASTE DECONTAMINATION SYSTEM ENCLOSURE, WHERE EQUIPMENT AND WASTE CONTAINERS ARE WET CLEANED OR HEPA-VACUUMED. ADEQUATE DRAINAGE AND BAG/CONTAINER WASH WATER SHALL BE PROVIDED WITHIN THE ROOM/CHAMBER, AS WELL AS A SUFFICIENT QUANTITY OF CLEAN WASTE BAGS/CONTAINERS.

(5) EQUIPMENT/WASHROOM ALTERNATIVE. WHERE THERE IS ONLY ONE EXIT FROM THE REGULATED ABATEMENT WORK AREA, THE HOLDING AREA OF THE WASTE DECONTAMINATION SYSTEM ENCLOSURE MAY BRANCH OFF FROM THE EQUIPMENT ROOM OF THE PERSONAL DECONTAMINATION SYSTEM ENCLOSURE. THE EQUIPMENT ROOM WILL ALSO BE USED AS A WASTE WASHROOM.

(6) PLASTIC SHEETING. WASTE DECONTAMINATION SYSTEM ENCLOSURES CONSTRUCTED AT THE WORK SITE SHALL USE AT LEAST ONE LAYER OF SIX MIL FIRE-RETARDANT PLASTIC SHEETING ON WALLS AND CEILING. AT LEAST TWO LAYERS OF SIX MIL FIRE-RETARDANT REINFORCED PLASTIC SHEETING SHALL BE USED FOR FLOORING PROTECTION OF THESE AREAS.

(7) ENCLOSURE SECURITY. THE WASTE DECONTAMINATION SYSTEM ENCLOSURE AND REGULATED ABATEMENT WORK AREA AIRLOCK(S) (WHEN REMOTE DECONTAMINATION SYSTEMS ARE USED) SHALL BE CONSTRUCTED WITH LOCKABLE DOORS TO PREVENT UNAUTHORIZED ENTRY. ENCLOSURE SYSTEMS LOCATED WITHIN 25 FEET OF AN AREA OF PUBLIC ACCESS SHALL BE FULLY FRAMED AND HARD-WALL SHEATHED FOR SAFETY.

(8) DRAINS. THE WASTE WASHROOM SHALL BE EQUIPPED WITH A WASH BIN OF SUFFICIENT SIZE TO PERFORM WASTE CONTAINER WASHING OPERATIONS AND SHALL HAVE A SUBMERSIBLE PUMP INSTALLED TO COLLECT WASTE WATER AND DELIVER IT TO THE SHOWER WASTEWATER FILTRATION SYSTEM WHERE IT SHALL BE FILTERED IN ACCORDANCE WITH PARAGRAPH (B)(9) OF NYCRR PART 56-7.5.

(9) SHOWER/WASHROOM ALTERNATIVE — SMALL ASBESTOS PROJECT. FOR SMALL ASBESTOS PROJECTS WITH ONLY ONE EXIT FROM THE REGULATED ABATEMENT WORK AREA, THE SHOWER ROOM MAY BE USED AS A WASTE WASHROOM. THE CLEAN ROOM SHALL NOT BE USED FOR WASTE STORAGE, BUT SHALL BE USED FOR WASTE TRANSFER TO CARTS, WHICH SHALL BE IMMEDIATELY REMOVED FROM THE ENCLOSURE. WASTE SHALL BE TRANSFERRED ONLY DURING TIMES WHEN THE SHOWERS ARE NOT IN USE.

WASTE DECONTAMINATION SYSTEM ENCLOSURE — WHEN REMOTE PERSONAL IS ALLOWED.

WHEN A REMOTE PERSONAL DECONTAMINATION SYSTEM ENCLOSURE IS ALLOWED AND UTILIZED FOR A REGULATED ABATEMENT WORK AREA, THE FOLLOWING REQUIREMENTS SHALL APPLY:

(1) MINOR SIZE REGULATED ABATEMENT WORK AREA. NO SPECIFIC WASTE DECONTAMINATION SYSTEM ENCLOSURE IS REQUIRED FOR MINOR SIZE REGULATED ABATEMENT WORK AREAS. THE WASTE GENERATED SHALL BE IMMEDIATELY BAGGED/CONTAINERIZED WITHIN THE REGULATED ABATEMENT WORK AREA.

(2) SMALL AND LARGE SIZE REGULATED ABATEMENT WORK AREAS.

(I) WASHROOM. AN ADDITIONAL CHAMBER SHALL BE CONSTRUCTED WITHIN THE REGULATED ABATEMENT WORK AREA, ATTACHED TO THE EXISTING AIRLOCK USED TO ACCESS THE WORK AREA. THE WASHROOM/AIRLOCK COMBINATION SHALL BE UTILIZED AS THE CONTIGUOUS WASTE DECONTAMINATION ENCLOSURE FOR WASTE BAGGING/CONTAINERIZATION AND WASTE TRANSFER ACTIVITIES. THE WASHROOM SHALL BE CONSTRUCTED AND SUPPLIED WITH EQUIPMENT/MATERIALS CONSISTENT WITH WASTE DECONTAMINATION SYSTEM ENCLOSURE WASHROOM REQUIREMENTS FOR CONTIGUOUS PERSONAL AND WASTE DECONTAMINATION SYSTEM ENCLOSURES.

(II) REMOVAL. THE WASHROOM CHAMBER SHALL BE REMOVED ONLY AFTER SATISFACTORY CLEARANCE AIR SAMPLING RESULTS HAVE BEEN ACHIEVED.

TENT PROCEDURES

TENT PROCEDURES SHALL BE CONDUCTED AS FOLLOWS:

(A) TENT PROCEDURES SHALL BE LIMITED TO THE REMOVAL OF LESS THAN 260 LINEAR FEET AND 160 SQUARE FEET OF ACM AND SHALL NOT RESULT IN DISTURBANCE OF ACM DURING TENT ERECTION.

(B) TENT PROCEDURES SHALL BE ACCOMPLISHED IN A CONSTRUCTED OR COMMERCIALLY AVAILABLE FIRE RETARDANT PLASTIC TENT, PLASTICIZING AND SEALING ALL SURFACES NOT BEING ABATED WITHIN THE TENT PERIPHERY FORMING AN ENCLOSURE. THE TENT SHALL BE OF FIRE RETARDANT 6-MIL PLASTIC AT A MINIMUM, WITH SEAMS HEAT-SEALED, OR DOUBLE-FOLDED, STAPLED AND TAPED AIRTIGHT AND THEN TAPED FLUSH WITH THE ADJACENT TENT WALL. THIS IS A SINGLE USE BARRIER THAT SHALL NOT BE REUSED ONCE DISMANTLED OR COLLAPSED.

(C) THERE SHALL BE AN AIRLOCK AT THE ENTRANCE TO THE TENT, UNLESS THERE IS AN ATTACHED WORKER OR WASTE DECONTAMINATION SYSTEM.

(D) ASBESTOS HANDLERS INVOLVED IN THE TENT PROCEDURE SHALL WEAR PERSONAL PROTECTIVE EQUIPMENT PLUS A SECOND DISPOSABLE SUIT. ALL STREET CLOTHES SHALL BE REMOVED AND STORED IN A CLEAN ROOM WITHIN THE WORK SITE. THE PERSONAL PROTECTIVE EQUIPMENT WITH TWO DISPOSABLE SUITS SHALL BE USED FOR INSTALLATION OF THE TENT AND THROUGHOUT THE PROCEDURE IF A DECONTAMINATION UNIT WITH A SHOWER IS NOT CONTIGUOUS TO THE WORK AREA. IF A DECONTAMINATION UNIT (WITH SHOWER AND CLEAN ROOM AT A MINIMUM) IS CONTIGUOUS TO THE WORK AREA, ONLY ONE DISPOSABLE SUIT SHALL BE REQUIRED; IN THIS CASE, PRIOR TO EXITING THE TENT THE WORKER SHALL HEPA VACUUM AND WET CLEAN THE DISPOSABLE SUIT.

(E) THE TENT SHALL BE ATTACHED TO THE SURFACE TO PRODUCE AN AIRTIGHT SEAL EXCEPT FOR AN APPROPRIATE SECTION TO ALLOW FOR MAKE-UP AIR INTO THE TENT.

(F) NEGATIVE PRESSURE VENTILATION EQUIPMENT SHALL BE USED TO CONTINUOUSLY EXHAUST THE ENCLOSED AREA.

(G) REMOVAL OF ACM SHALL BE BY WET METHODS IN ACCORDANCE.

(H) ACM REMOVED SHALL BE PLACED IN A LEAK-TIGHT CONTAINER WITHOUT DROPPING IT.

(I) UPON COMPLETION OF ABATEMENT, AND PRIOR TO TENT COLLAPSE, THE ENCLOSED SURFACES SHALL:

(1) BE WET CLEANED USING RAGS, MOPS OR SPONGES; AND

(2) BE PERMITTED SUFFICIENT TIME TO DRY, PRIOR TO HEPA VACUUMING ALL SUBSTRATES; AND

(3) BE LIGHTLY ENCAPSULATED TO LOCKDOWN RESIDUAL ASBESTOS.

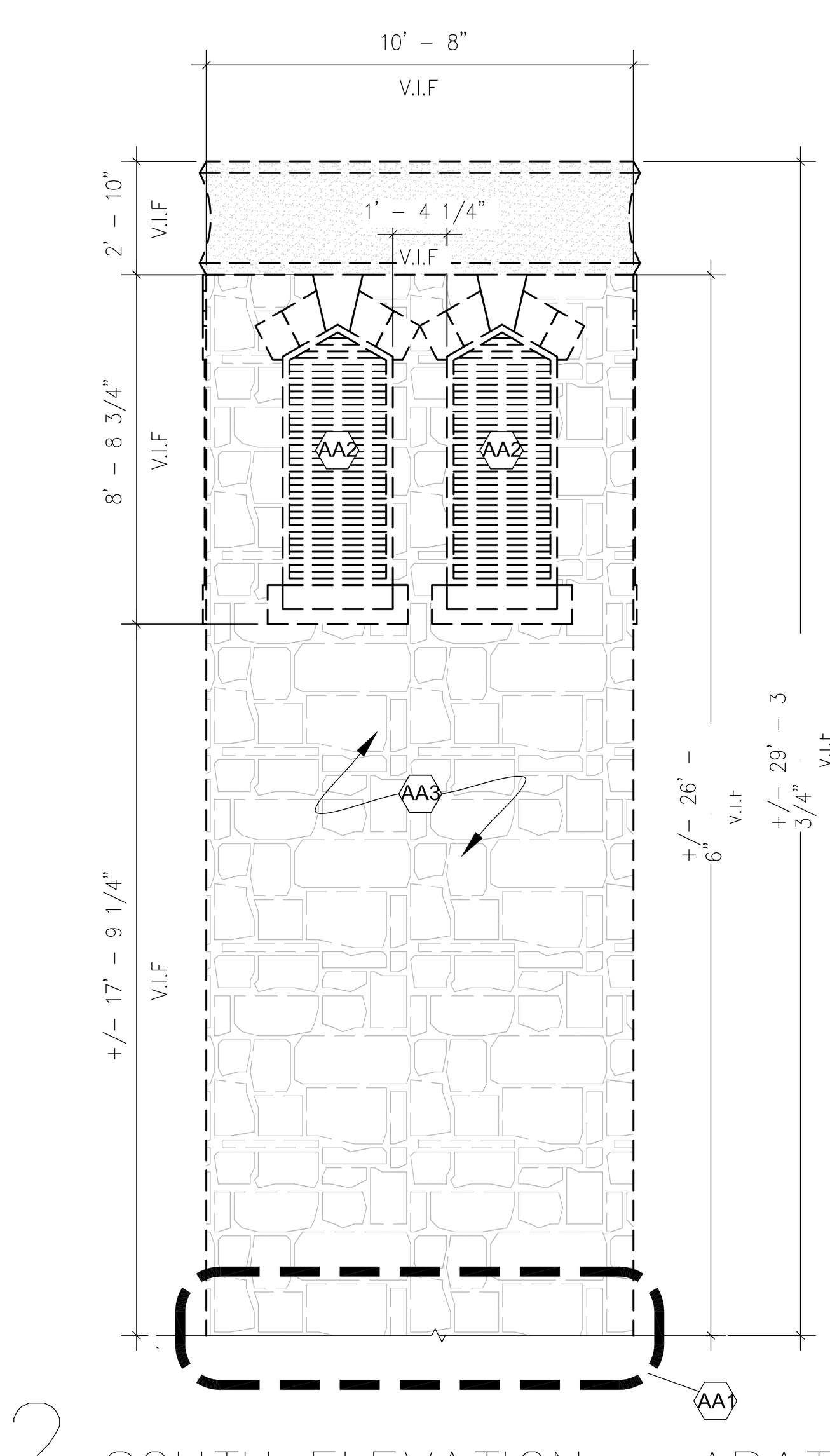
(J) UPON BARRIER DISTURBANCE, LOSS OF ENGINEERING CONTROLS, OR TERMINATION OF TENT USAGE, THE TENT AND THE ENCLOSED SURFACES SHALL BE TREATED ACCORDING TO SUBDIVISION (I) ABOVE.

(K) THE BAGGED WASTE SHALL BE WET CLEANED OR HEPA VACUUMED AND THEN TRANSFERRED OUTSIDE THE TENT, DOUBLE BAGGED, AND APPROPRIATELY HANDLED PRIOR TO DISPOSAL.

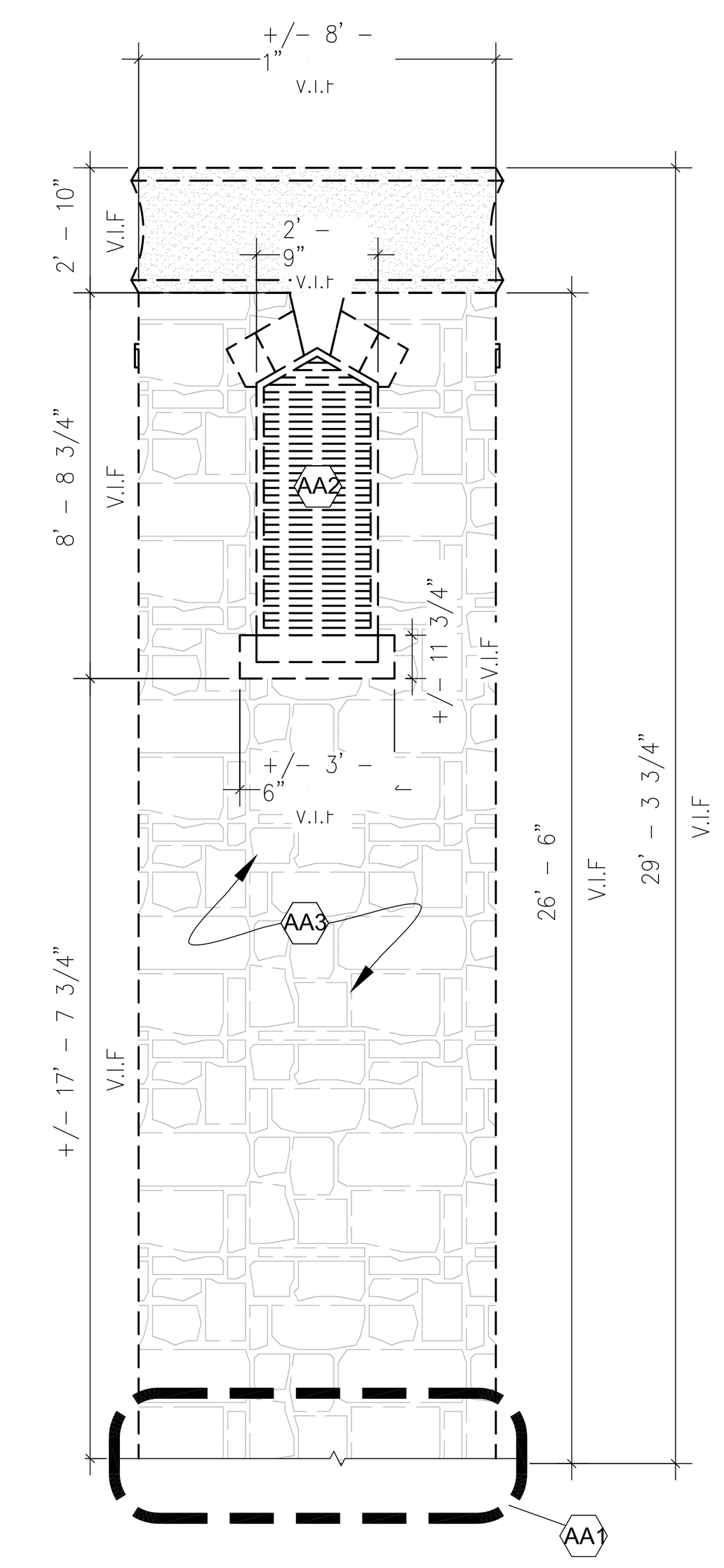
(L) THE OUTER DISPOSABLE SUIT (IF 2 SUITS ARE WORN) SHALL BE HEPA VACUUMED IN THE TENT PRIOR TO EXITING. THE OUTER DISPOSABLE SUIT SHALL BE REMOVED IN THE AIRLOCK AND A CLEAN SUIT SHALL BE WORN OVER THE INNER SUIT. THE WORKERS SHALL IMMEDIATELY PROCEED TO A SHOWER AT THE WORK SITE. THE INNER DISPOSABLE SUIT AND RESPIRATOR SHALL BE REMOVED IN THE SHOWER AFTER APPROPRIATE WETTING. THE DISPOSABLE CLOTHING SHALL BE DISPOSED OF AS ASBESTOS-CONTAINING WASTE MATERIAL. THE WORKERS SHALL THEN FULLY AND VIGOROUSLY SHOWER WITH SUPPLIED LIQUID BATH SOAP, SHAMPOO, AND CLEAN DRY TOWELS.

(M) THE NEGATIVE PRESSURE VENTILATION EQUIPMENT SHALL BE USED TO FILTER A MINIMUM OF 4 VOLUME CHANGES THROUGH THE TENT AFTER COMPLETION OF ABATEMENT BUT PRIOR TO COLLAPSE OF THE TENT/BARRIER. ALL REQUIRED AIR MONITORING MUST BE SUCCESSFULLY COMPLETED BEFORE THE TENT/BARRIER IS COLLAPSED.

(N) THE TENT SHALL BE COLLAPSED INWARD, ENCLOSING THE CONTAMINATED CLOTHING. THIS CONTAMINATED MATERIAL SHALL BE DISPOSED OF IN ANOTHER PLASTIC BAG. THE HEPA VACUUM SHALL BE DECONTAMINATED AND SEALED.

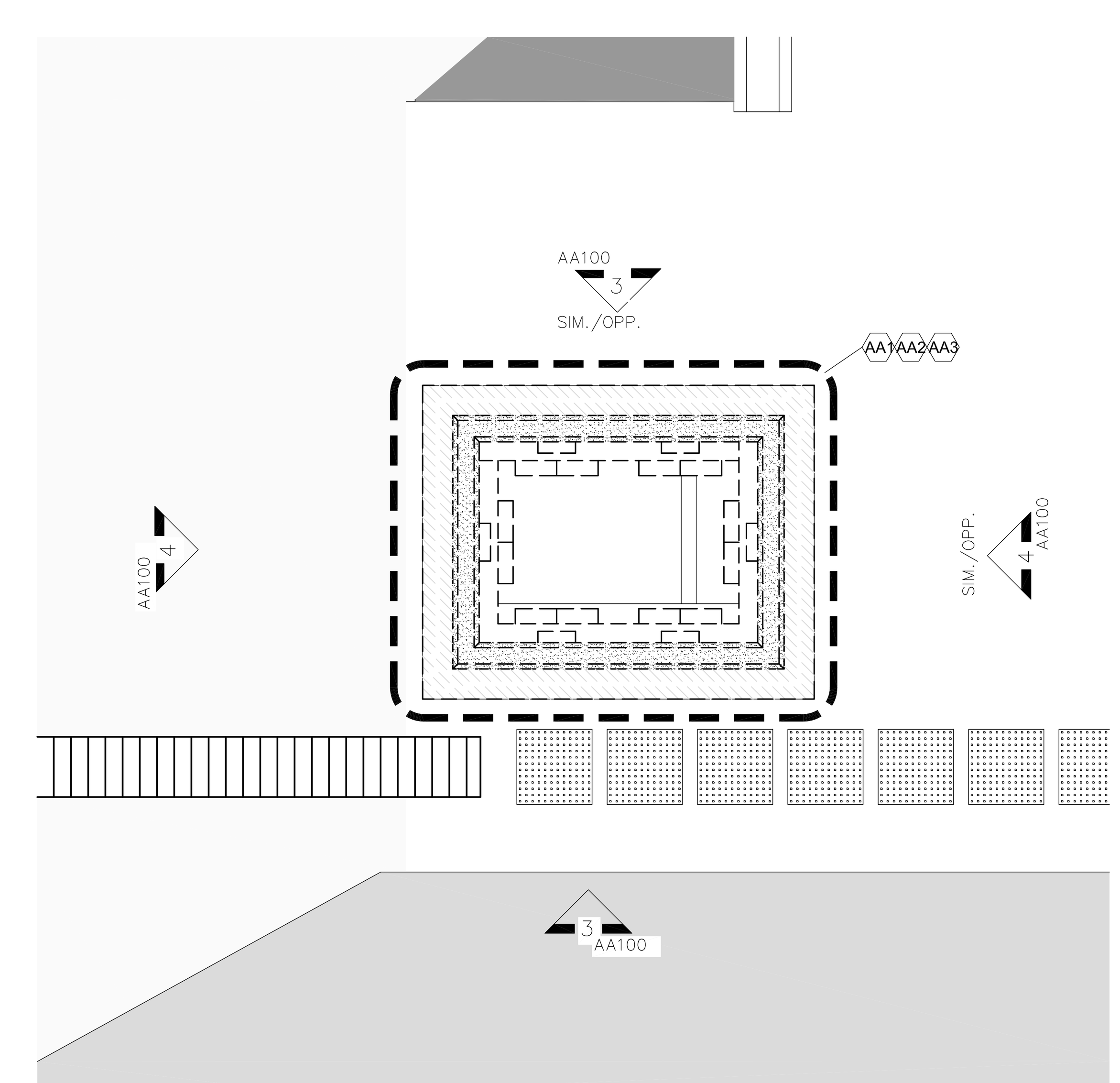


2 SOUTH ELEVATION – ABATEMENT
AA100 1/4" = 1'–0"
NORTH ELEVATION SIMILAR/OPPOSITE

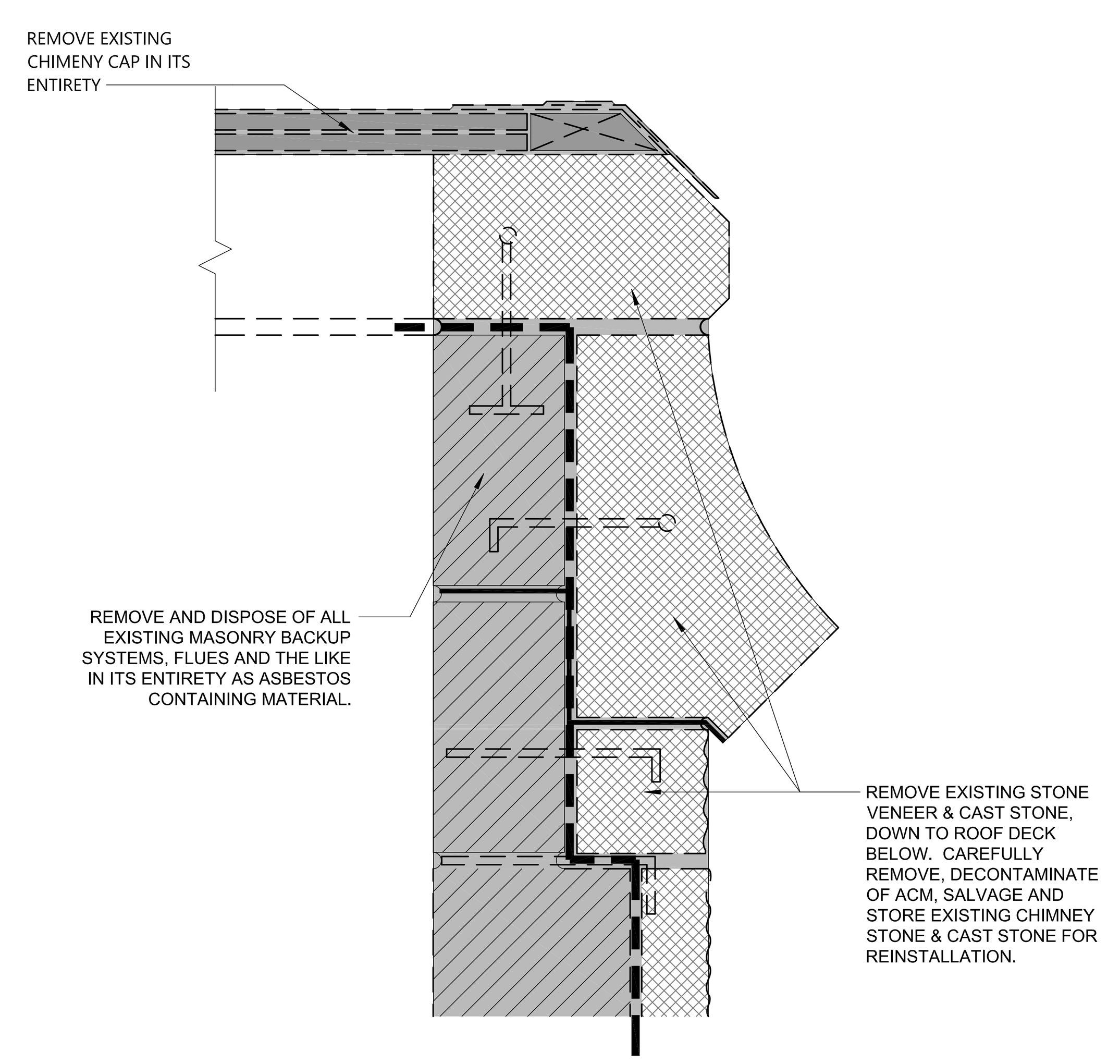


3 WEST ELEVATION – ABATEMENT
AA100 1/4" = 1'–0"
EAST ELEVATION SIMILAR/OPPOSITE

ASBESTOS ABATEMENT KEYNOTES		QTY
AA1	REMOVE AND DISPOSE OF ROOFING, CAULKING AND BASE/COUNTER FLASHINGS BETWEEN ROOF AND CHIMNEY	TYP. FOR: 96 SQ. FT. OF ROOFING / FLASHING & 48 LIN. FT. OF CAULKING
AA2	REMOVE AND DISPOSE OF CAULKING AT COPPER LOUVERS. LOUVERS ARE TO BE REMOVED, DECONTAMINATED OF ALL ACM AND TURNED OVER TO THE OWNER. DO NOT DAMAGE LOUVERS DURING ABATEMENT PROCESS.	TYP. FOR 48 LIN. FT. CAULKING
AA3	REMOVE EXISTING CHIMNEY, INCLUDING CAST STONE, DOWN TO ROOF DECK BELOW. CAREFULLY REMOVE, DECONTAMINATE OF ACM, SALVAGE AND STORE EXISTING CHIMNEY STONE & CAST STONE FOR REINSTALLATION. REMOVE AND DISPOSE OF ALL EXISTING MASONRY BACKUP SYSTEMS, FLUES AND THE LIKE IN ITS ENTIRETY AS ASBESTOS CONTAINING MATERIAL. COORDINATE REMOVAL/SALVAGE WORK WITH DWG. HBE-AD402.	TYP. FOR 1,120 SQ. FT. OF STONE REMOVAL / DECONTAMINATION / SALVAGE & 1,120 SQ. FT. OF MASONRY BACKUP / FLUE REMOVAL

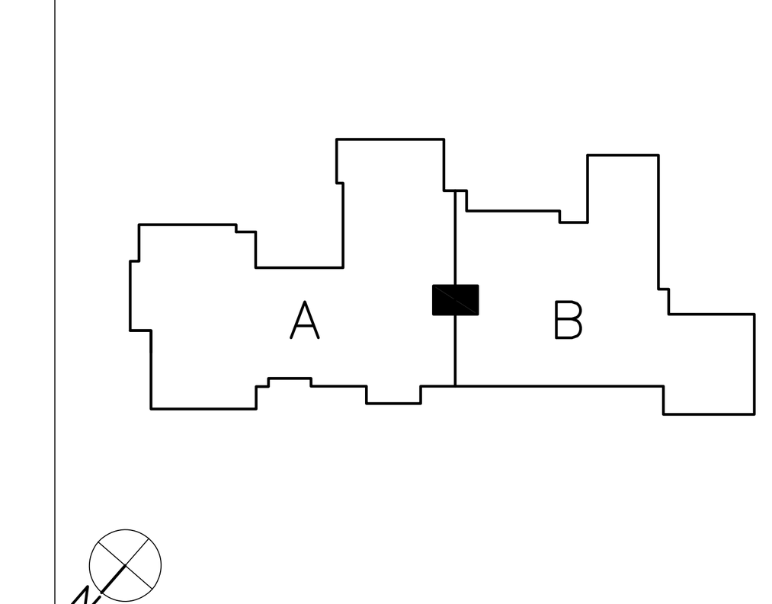


1 CHIMNEY ABATEMENT ROOF PLAN – AREA 'A'
AA100 1/4" = 1'–0"



4 CHIMNEY ABATEMENT DETAIL
AA100 3" = 1'–0"

KEY PLAN



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845 · 561 · 3179 www.csarchpc.com

Consultant
Adelaide ENVIRONMENTAL HEALTH
1511 Route 22 - Suite C-24
Brewster, New York 10509
p: 845.278.7710 f: 845.278.7750
adelaidellc.com
Environmental Consultants

Project Title
CITY SCHOOL DISTRICT OF NEW ROCHELLE
HENRY BARNARD ELEMENTARY SCHOOL
2023 CAPITAL PROJECTS - PHASE 2

REGISTERED ARCHITECT PAUL RICHARD CHECCO 027811 STATE OF NEW YORK
Expiration Date: 08/31/2026

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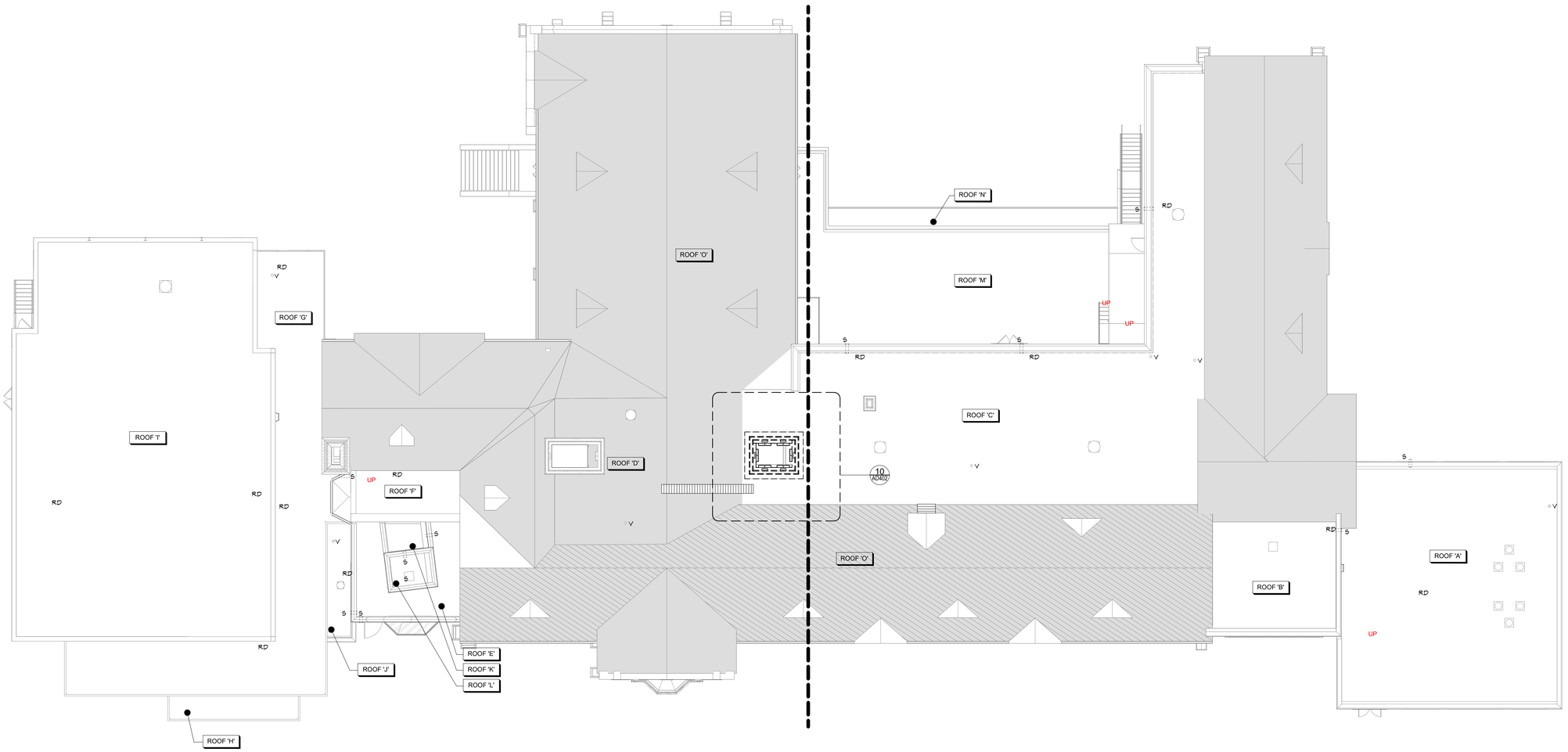
CSArch Proj. #:	188-2301.01
Construction Documents:	12-08-2023

Sheet Title
PARTIAL ROOF ABATEMENT PLAN AND DETAILS

Sheet No.
HBE AA100

CONSTRUCTION DOCUMENTS



1 OVERALL ROOF DEMOLITION PLAN
AD401 3/32" = 1'-0"

DEMOLITION GENERAL NOTES

1. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.
2. PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN ROOF (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
3. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, UNLESS OTHERWISE NOTED.
4. ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORS SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING ROOFS.
5. EXISTING CURBS, VENTS, AND OTHER PENETRATION SIZES AND LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY IN FIELD AND COORDINATE AS REQUIRED PRIOR TO BID.
6. EXISTING ROOF BLOCKING RO REMAIN UNLESS OTHERWISE NOTED. COORDINATE WITH NEW CONSTRUCTION.

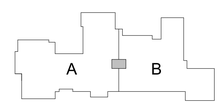
EXISTING ROOF ASSEMBLY DESCRIPTIONS

ROOFS 'C'
- FULLY ADHERED EPDM ROOF MEMBRANE
- ROOF INSULATION & COVERBOARD (R-30 MINIMUM AVERAGE)
- 3/8" SHEATHING
- EXISTING WOOD DECK, SLOPED

ROOF LEGEND

R	ROOF DRAIN
S	SCUPPER DRAIN
S	ROOF SCUPPER
OV	VENT PIPE, PROVIDE NEW FLASHING
CU	CONDENSING UNIT
	EXHAUST FAN
A	ROOF ACCESS HATCH
S	SMOKE HATCH, EXISTING TO REMAIN
	ROOF LADDER
E	EXPANSION JOINT

KEY PLAN



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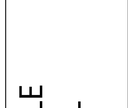
CITY SCHOOL DISTRICT OF NEW ROCHELLE
HENRY BARNARD ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title



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Sheet Title
OVERALL ROOF DEMOLITION PLAN

Sheet No.
HBE AD401

CONSTRUCTION DOCUMENTS

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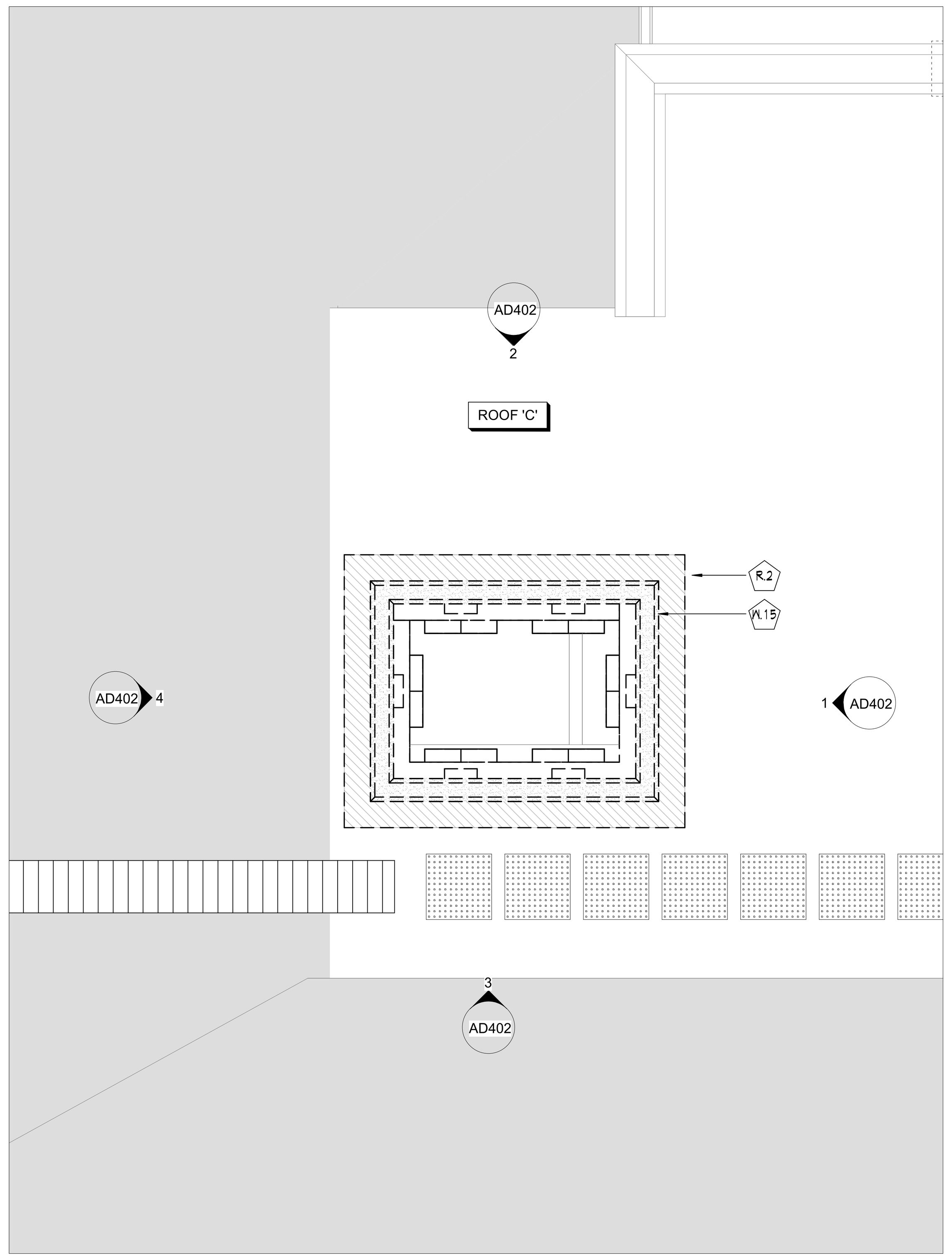
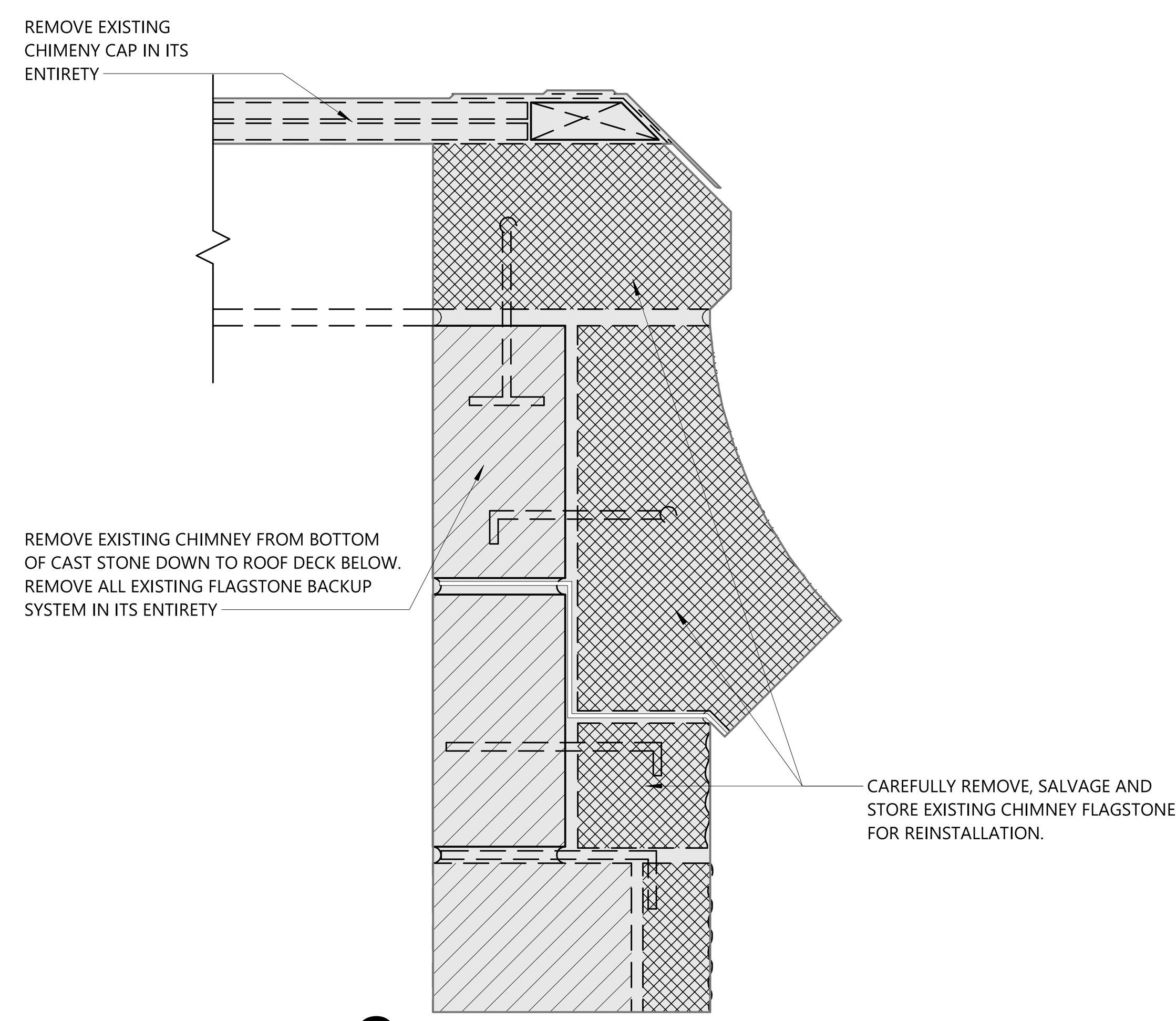
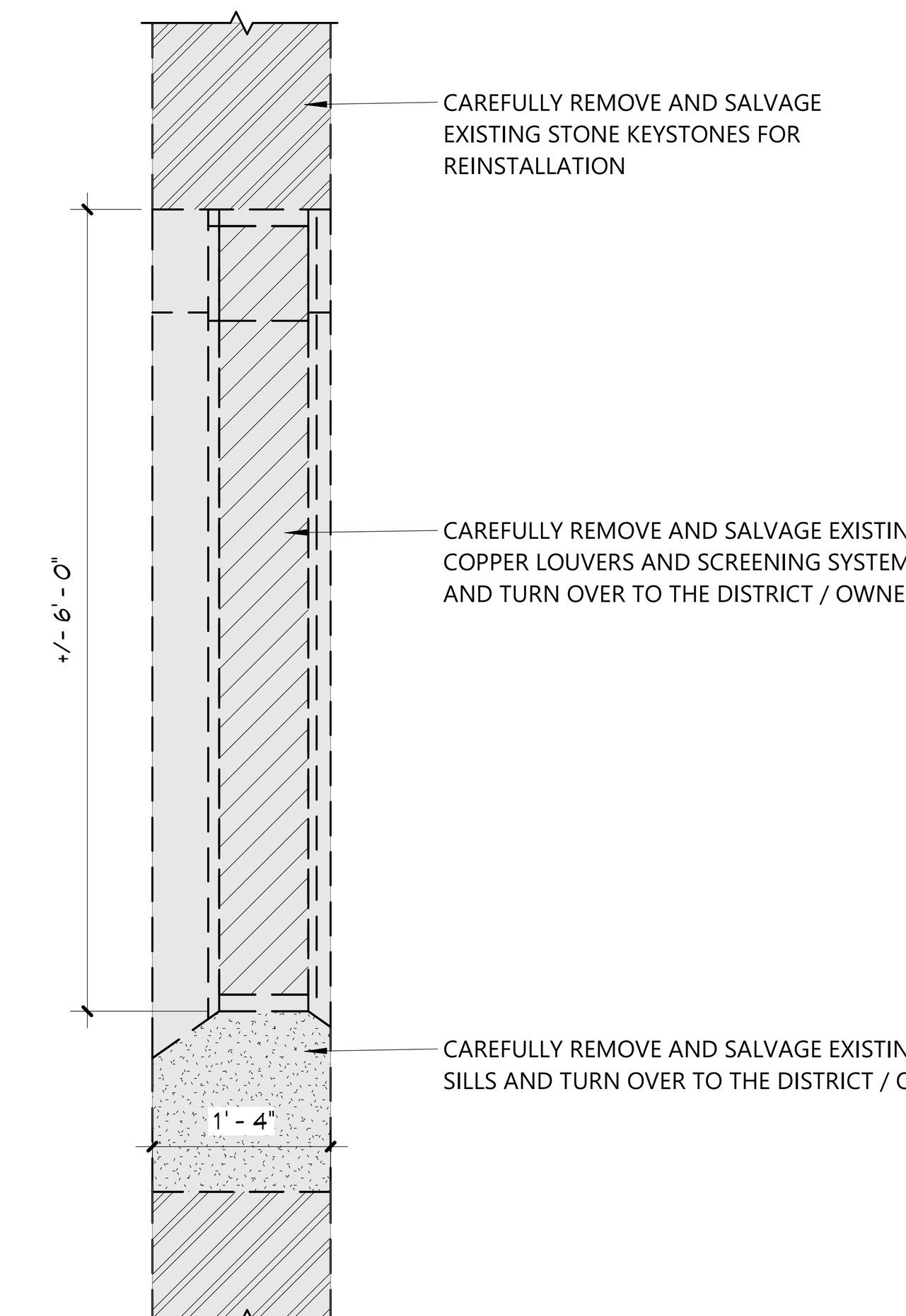


10 ENLARGED CHIMNEY DEMOLITION ROOF PLAN - AREA 'A'
AD402 1/4" = 1'-0"

9 AREA 'A' PARTIAL SECOND FLOOR DEMOLITION RCP
AD402 1/8" = 1'-0"



6 CHIMNEY DEMOLITION DETAIL
AD402 3" = 1'-0"



5 LOUVER DEMOLITION DETAIL
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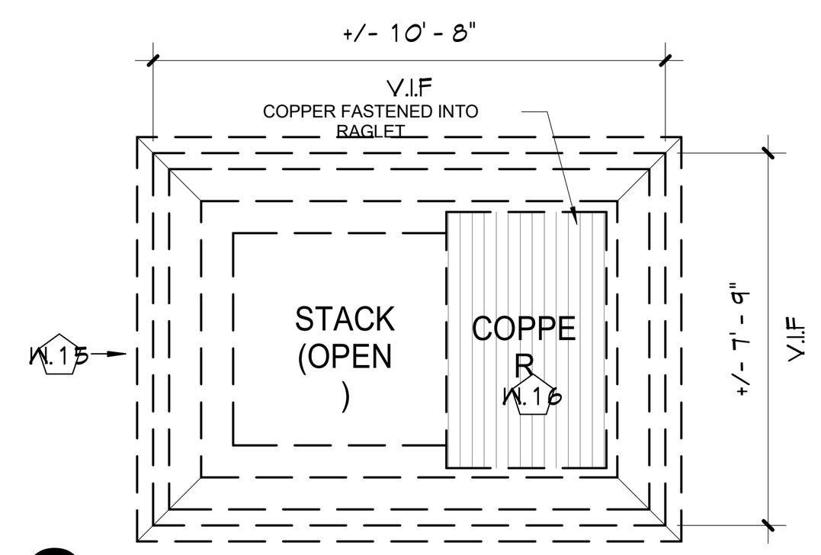
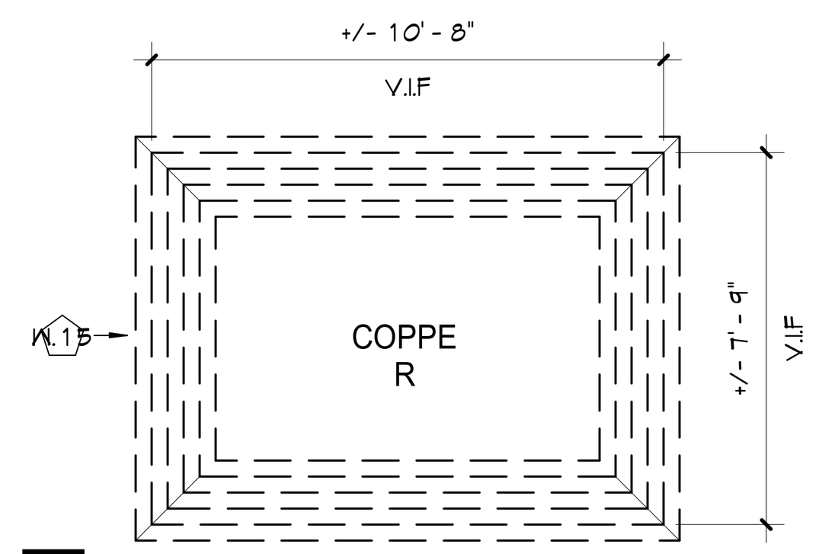
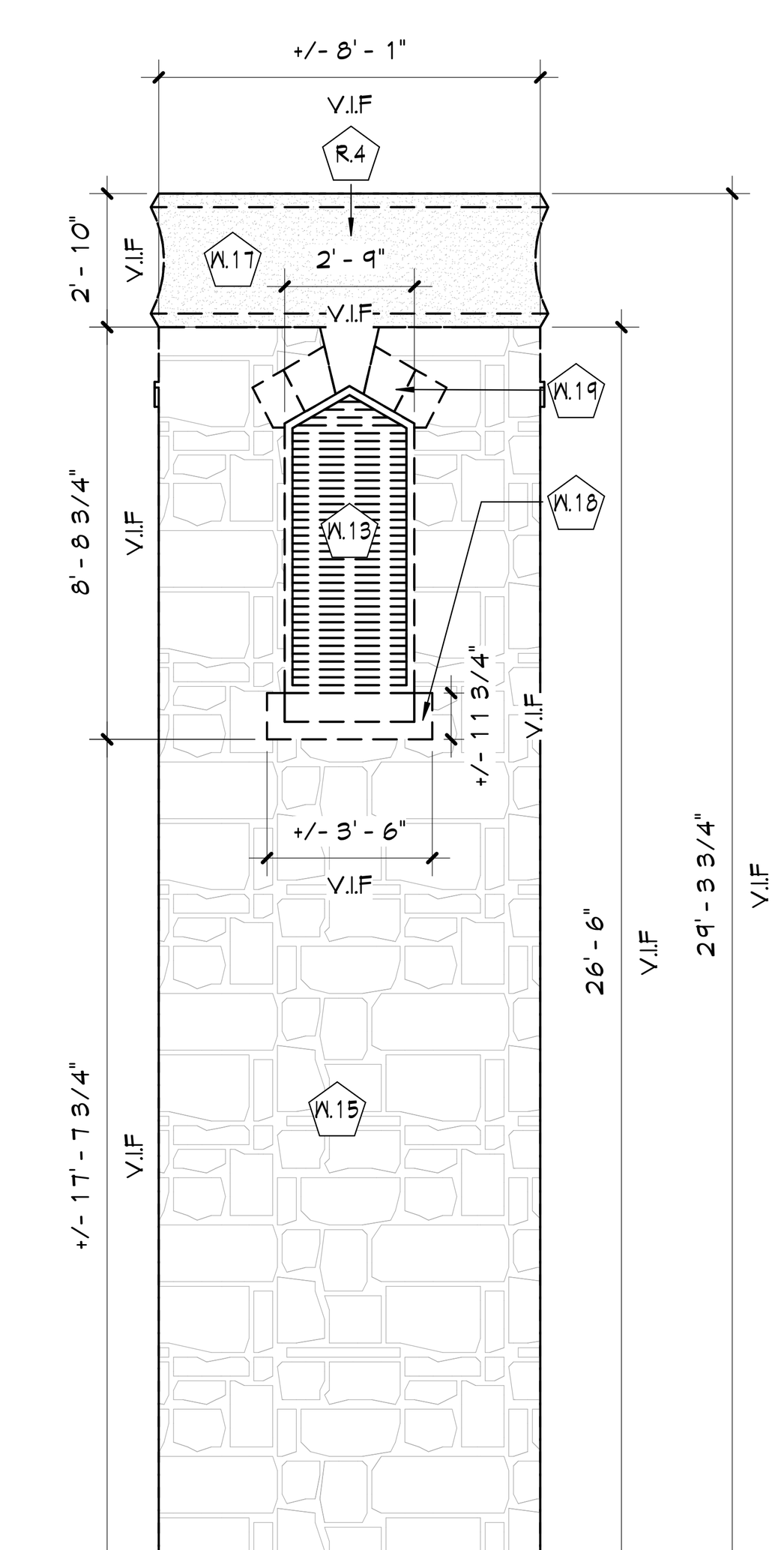


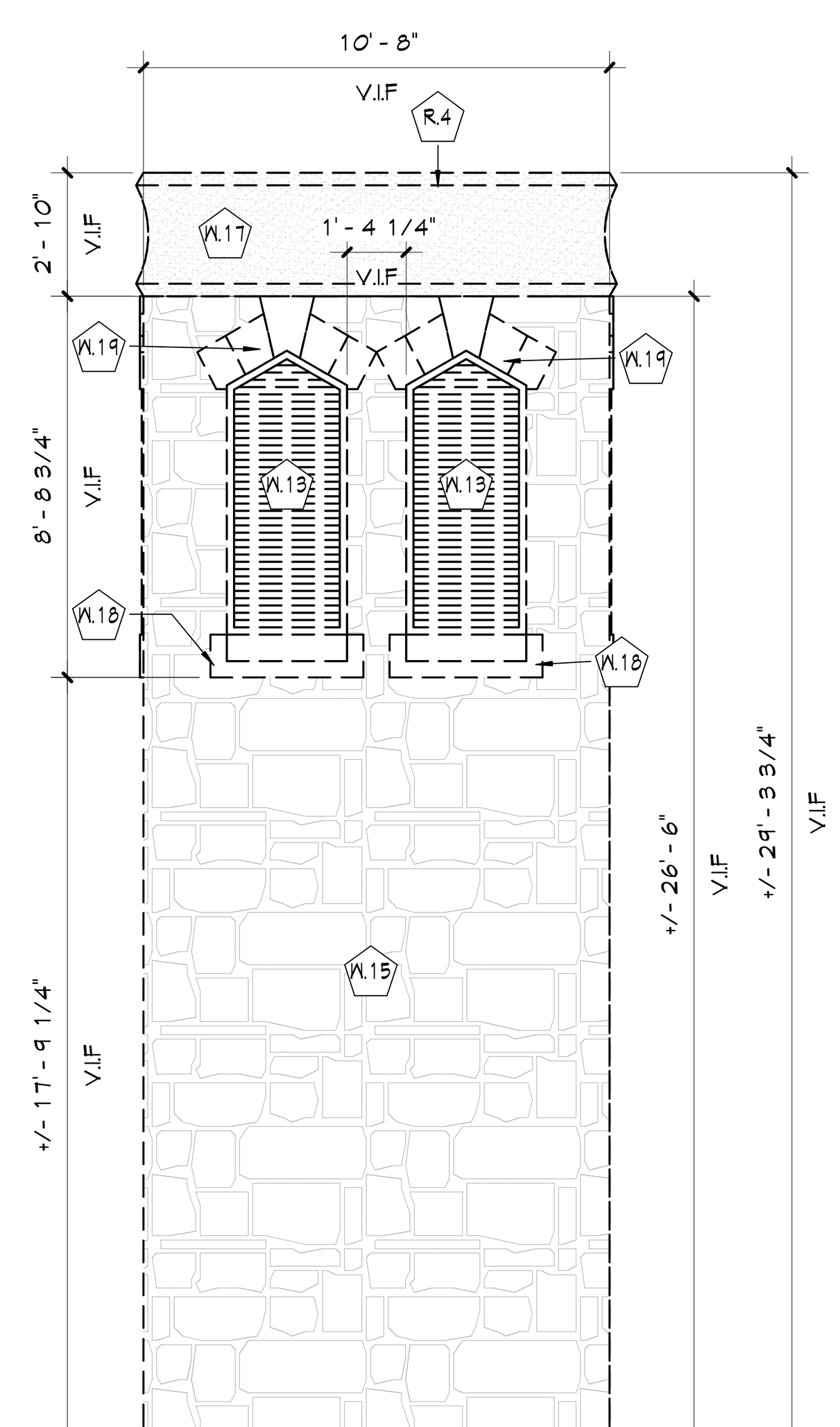
8 CHIMNEY CAP DEMOLITION - OPEN STACK
AD402 1/4" = 1'-0"



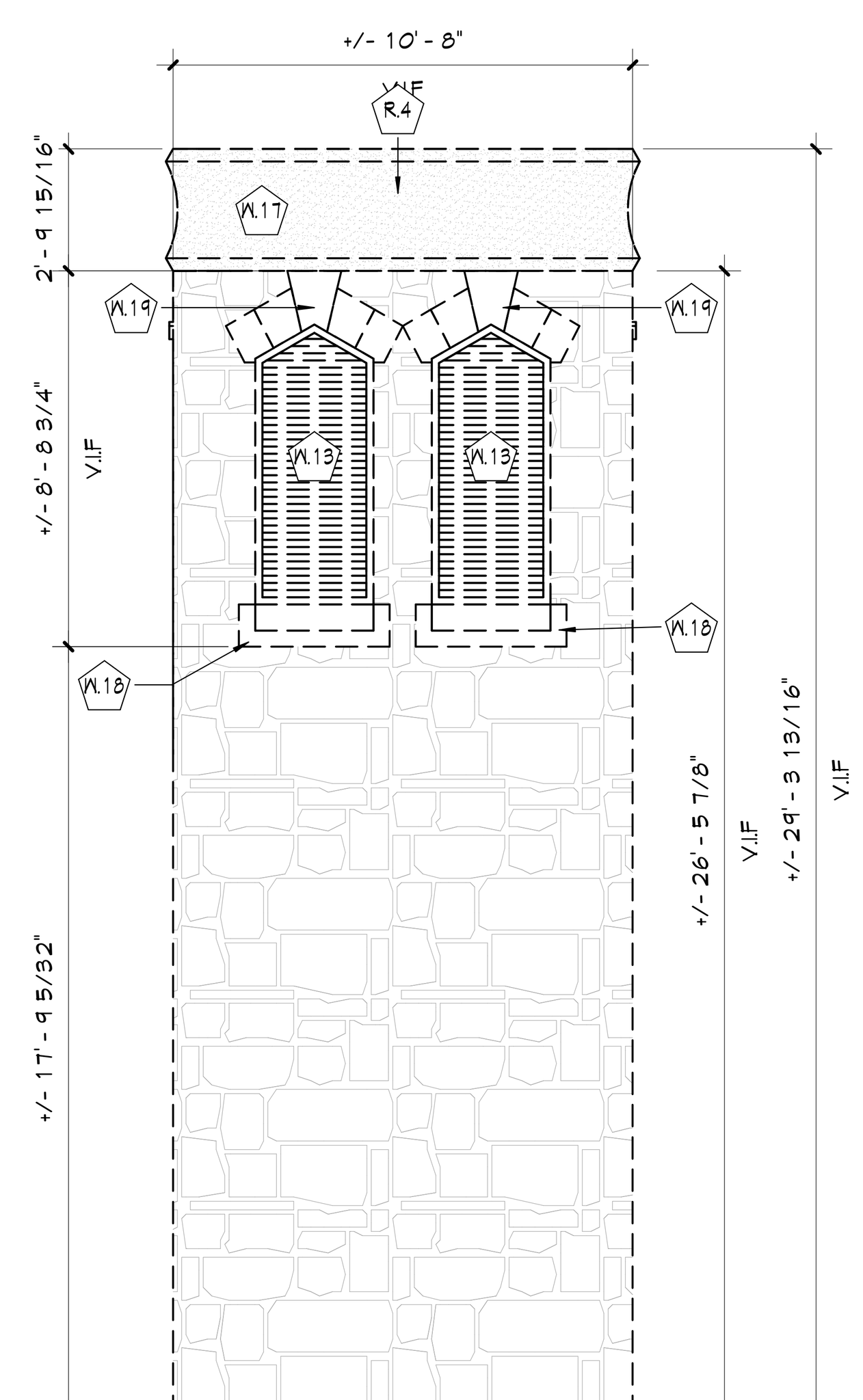
7 CHIMNEY CAP DEMOLITION - CLOSED STACK
AD402 1/4" = 1'-0"



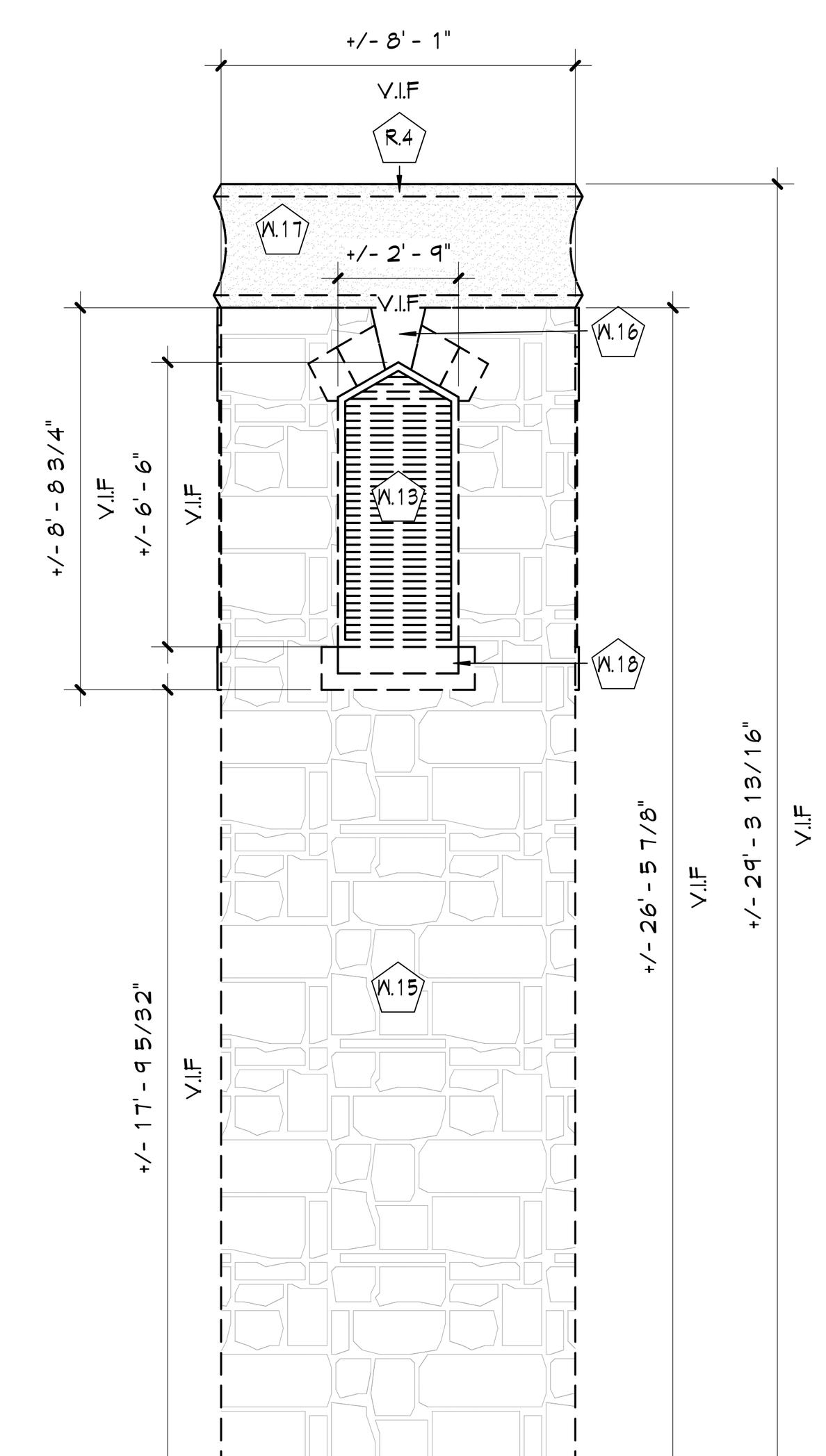
4 WEST ELEVATION - DEMOLITION
AD402 1/4" = 1'-0"



3 SOUTH ELEVATION - DEMOLITION
AD402 1/4" = 1'-0"



2 NORTH ELEVATION - DEMOLITION
AD402 1/4" = 1'-0"



1 EAST ELEVATION - DEMOLITION
AD402 1/4" = 1'-0"

DEMOLITION GENERAL NOTES

1. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.
2. PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN ROOF (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
3. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, UNLESS OTHERWISE NOTED.
4. ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORIS SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING ROOFS.
5. EXISTING CURBS, VENTS, AND OTHER PENETRATION SIZES AND LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY IN FIELD AND COORDINATE AS REQUIRED PRIOR TO BID.
6. EXISTING ROOF BLOCKING RO REMAIN UNLESS OTHERWISE NOTED. COORDINATE WITH NEW CONSTRUCTION.

EXISTING ROOF ASSEMBLY DESCRIPTIONS

ROOFS 'C'
- FULLY ADHERED EPDM ROOF MEMBRANE
- ROOF INSULATION & COVERBOARD (R-30 MINIMUM AVERAGE)
- 3/8" SHEATHING
- EXISTING WOOD DECK, SLOPED

ROOF LEGEND

- R — ROOF DRAIN
- S — SCUPPER DRAIN
- S — ROOF SCUPPER
- V — VENT PIPE, PROVIDE NEW FLASHING
- CONDENSING UNIT
- EXHAUST FAN
- A — ROOF ACCESS HATCH
- S — SMOKE HATCH, EXISTING TO REMAIN
- ROOF LADDER
- E — EXPANSION JOINT

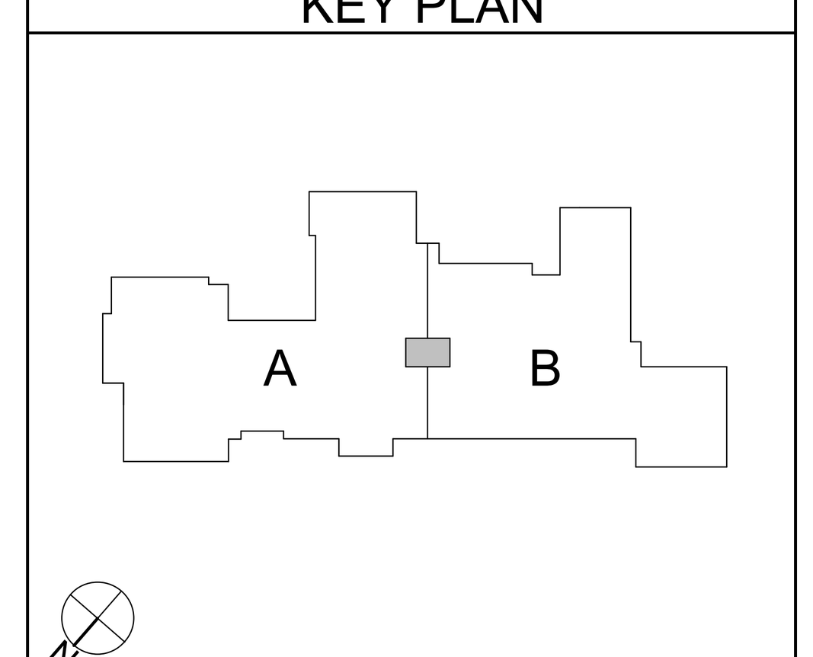
CEILING DEMOLITION LEGEND

- 2x4 LIGHTING FIXTURES
- (S) SMOKE DETECTOR

KEY NOTES

C.15	REMOVE EXISTING SUSPENDED CEILING SYSTEM IN ITS ENTIRETY, INCLUDING ALL HANGERS AND FASTENERS.
E.5	TEMPORARILY DISCONNECT AND REMOVE ALL EXISTING CEILING MOUNTED LIGHTING FIXTURES, SMOKE DETECTORS AND ANY OTHER MISCELLANEOUS ELECTRICAL DEVICES, TO ACCOMMODATE CEILING REMOVALS AND/OR ABOVE-CEILING WORK. RETAIN SAME AND SALVAGE ASSOCIATED WIRING FOR REINSTALLATION AND RECONNECTION AFTER NEW CEILING WORK IS COMPLETE.
R.2	REMOVE BASE FLASHING AND COUNTER-FLASHING, TYPICAL AT ALL TRANSITIONS TO NEW ROOFING. COORDINATE WITH NEW WORK.
R.4	REMOVE EXISTING HORIZONTAL CHIMNEY CAP IN ITS ENTIRETY.
W.13	CAREFULLY REMOVE EXISTING COPPER LOUVER SYSTEM IN ITS ENTIRETY AND TURN OVER TO THE DISTRICT / OWNERT, COORDINATE WITH 'M' DRAWINGS.
W.15	REMOVE EXISTING CHIMNEY FROM BOTTOM OF CAST STONE DOWN TO ROOF DECK BELOW. REMOVE ALL EXISTING FLAGSTONE BACKUP SYSTEM IN ITS ENTIRETY.
W.16	REMOVE CAST COPING STONE IN ITS ENTIRETY. COORDINATE WITH NEW WORK.
W.17	REMOVE CAST COPING STONE IN ITS ENTIRETY.
W.18	REMOVE STONE SILLS.
W.19	REMOVE EXISTING LOUVER KEYSTONES IN THEIR ENTIRETY.

KEY PLAN



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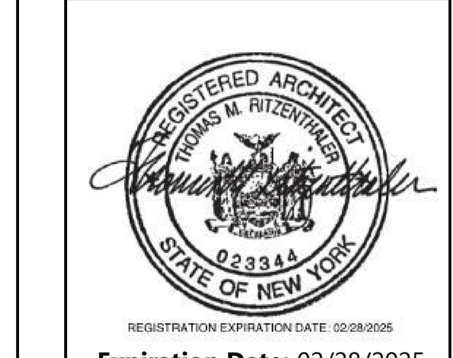
CITY SCHOOL DISTRICT OF NEW ROCHELLE
HENRY BARNARD ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title



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Sheet Title
ENLARGED DEMOLITION ROOF, PLAN, ELEVATION, AND DETAILS

Sheet No.
HBE AD402

CONSTRUCTION DOCUMENTS

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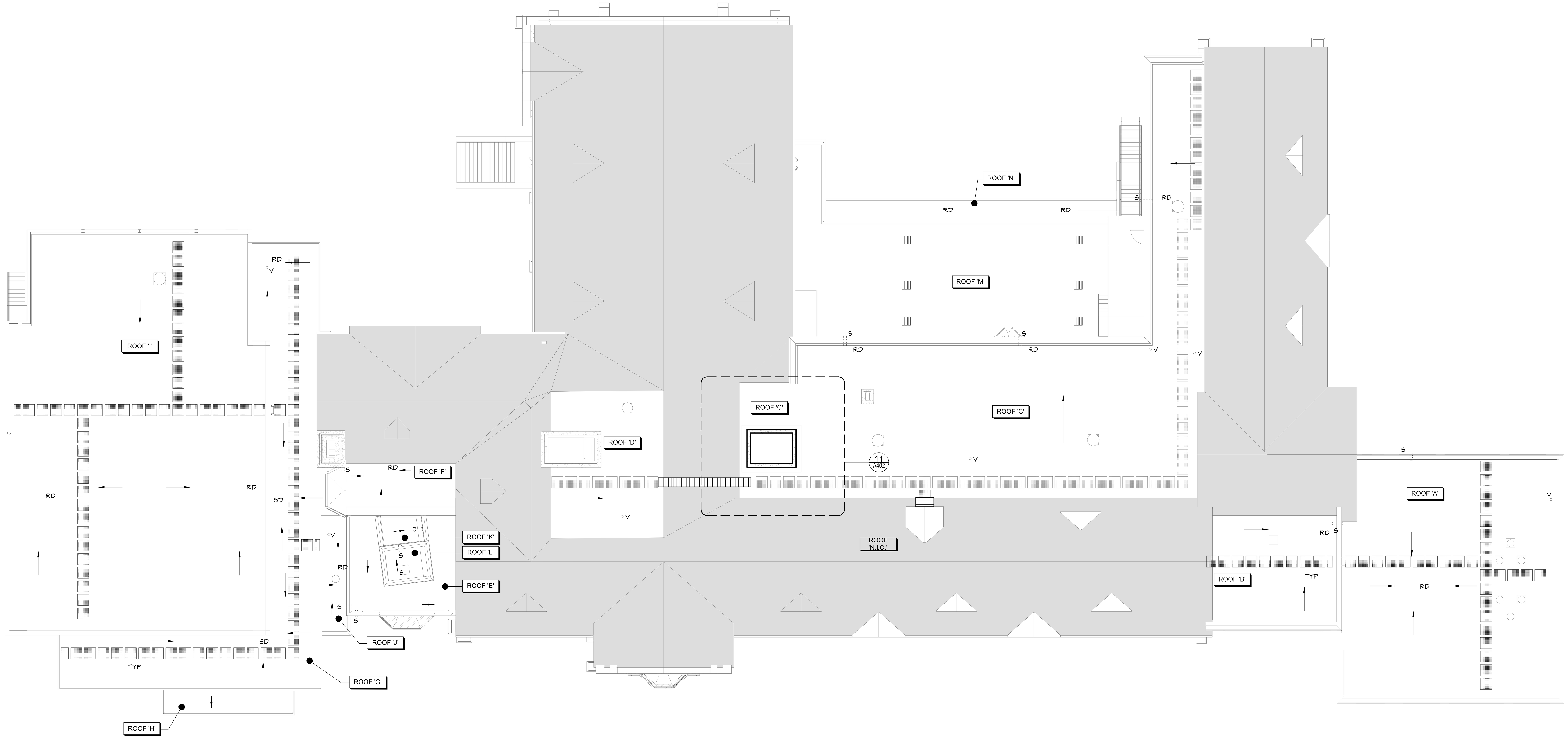
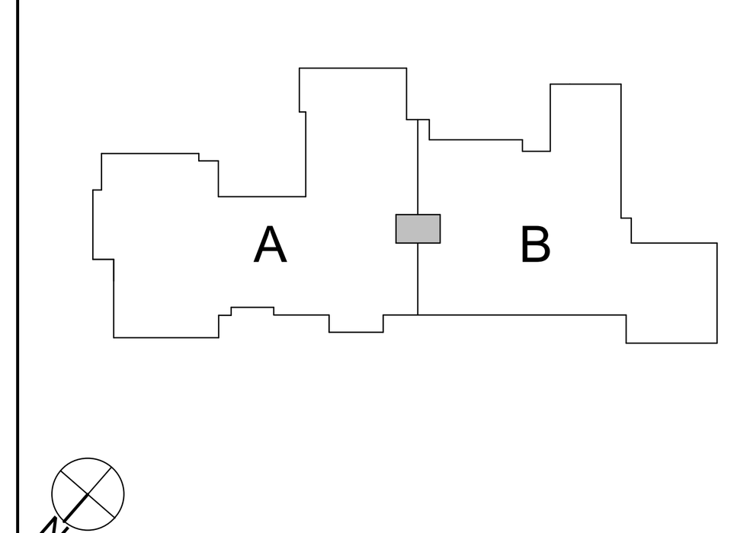
GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A400'S FOR ROOFING PLANS, ELEVATIONS, DETAILS AND NOTES.



1 OVERALL ROOF PLAN
A401 3/32" = 1'-0"

KEY PLAN



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Project Title

CITY SCHOOL DISTRICT OF NEW ROCHELLE
HENRY BARNARD ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

REGISTERED ARCHITECT THOMAS M. RITZENTHALER 023344 STATE OF NEW YORK
REGISTRATION EXPIRATION DATE: 02/28/2025
Expiration Date: 02/28/2025

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Sheet Title
OVERALL ROOF PLAN

Sheet No.
HBE A401

CONSTRUCTION DOCUMENTS

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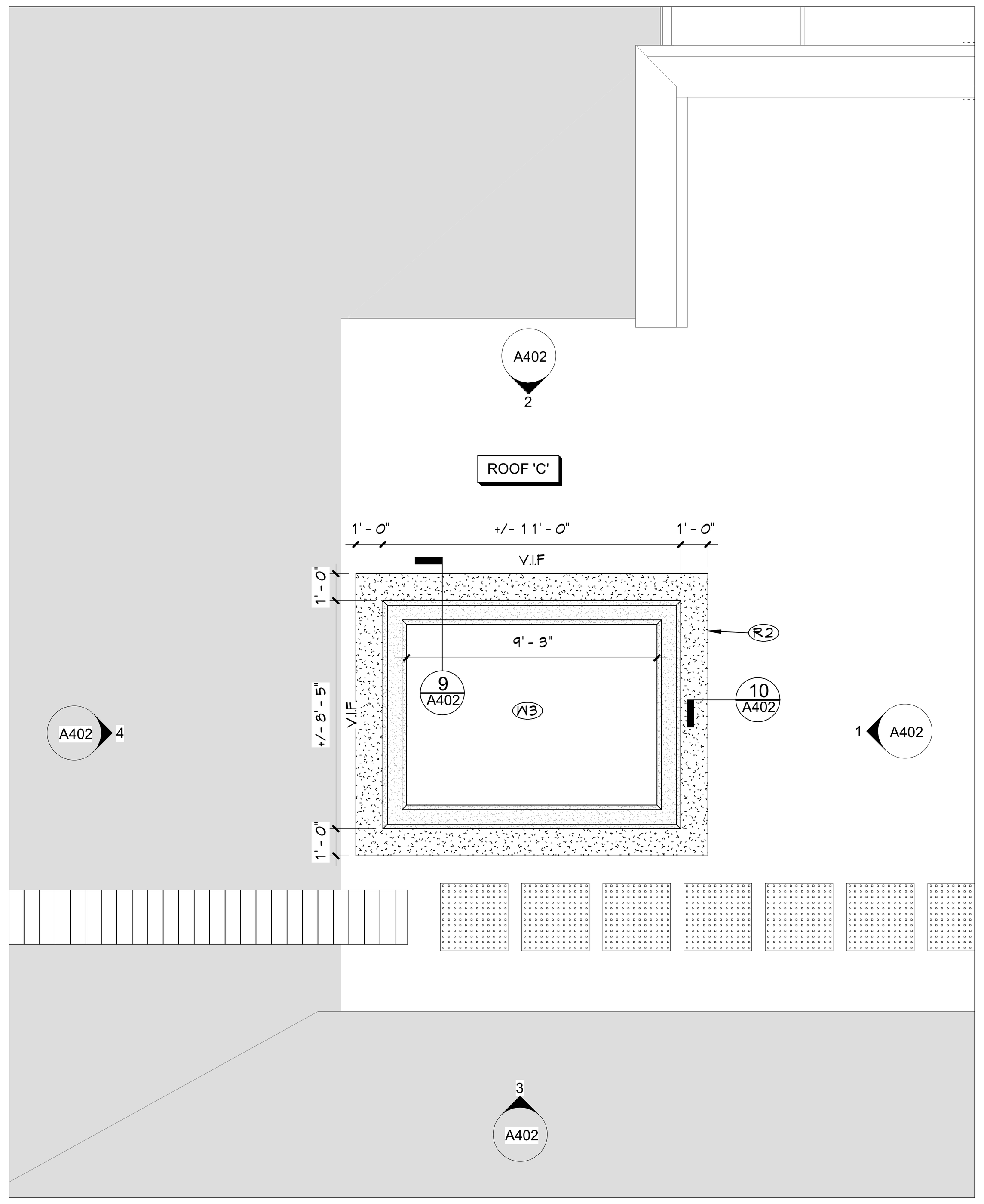
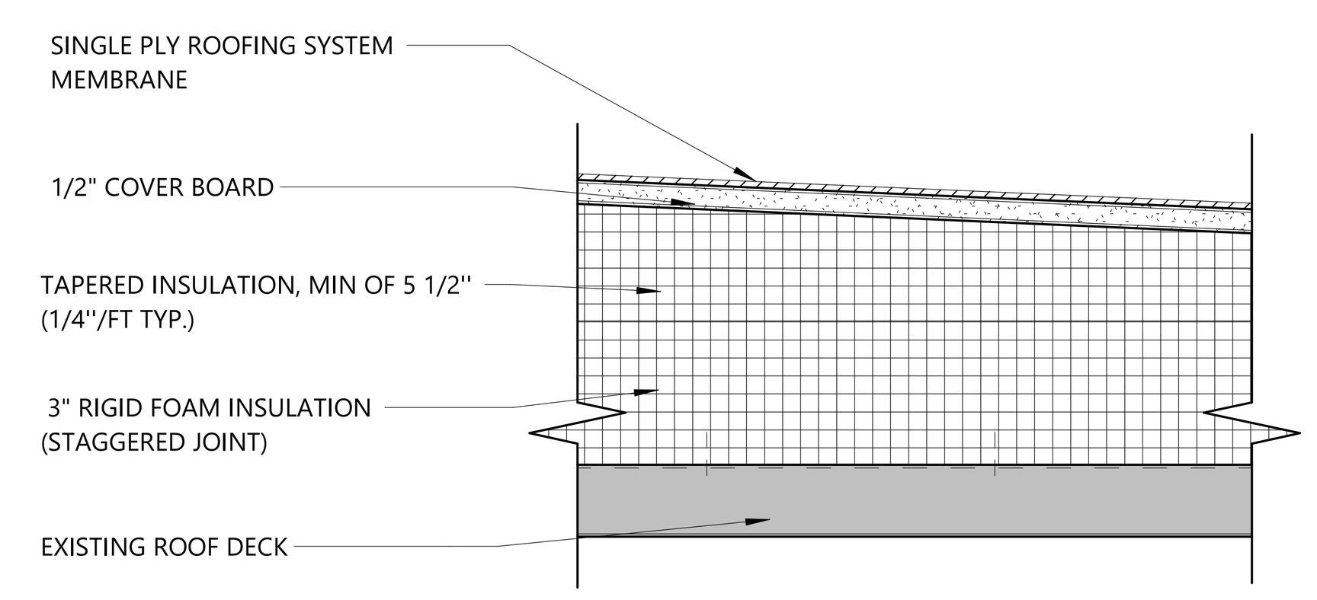
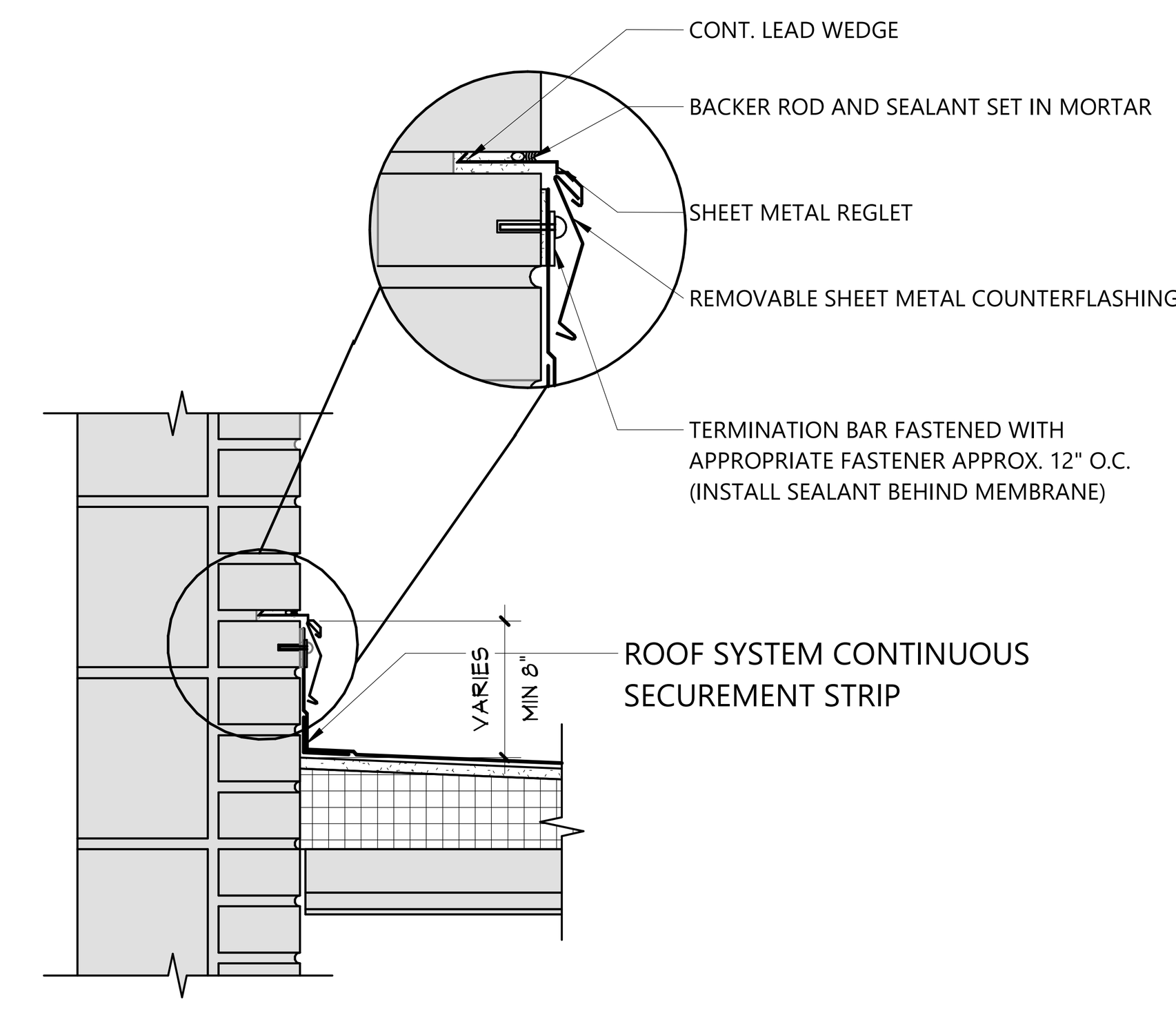


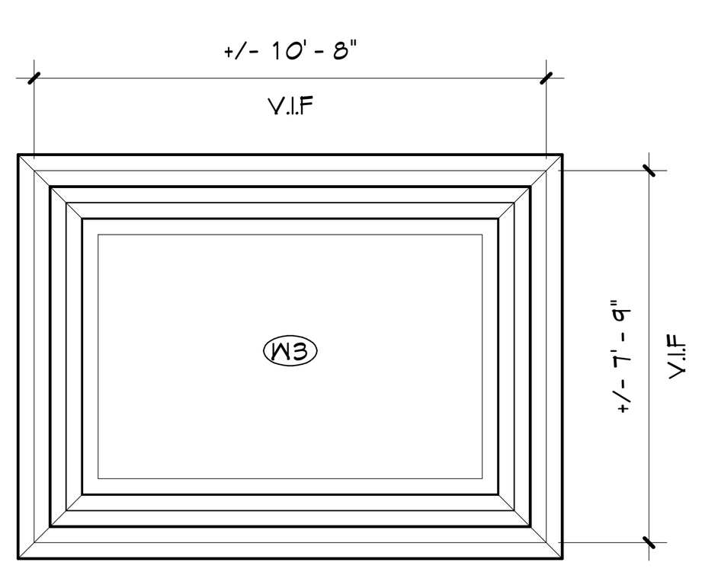
11 AREA 'A' ROOF PLAN - ENLARGED CHIMNEY PLAN
A402 1/4" = 1'-0"



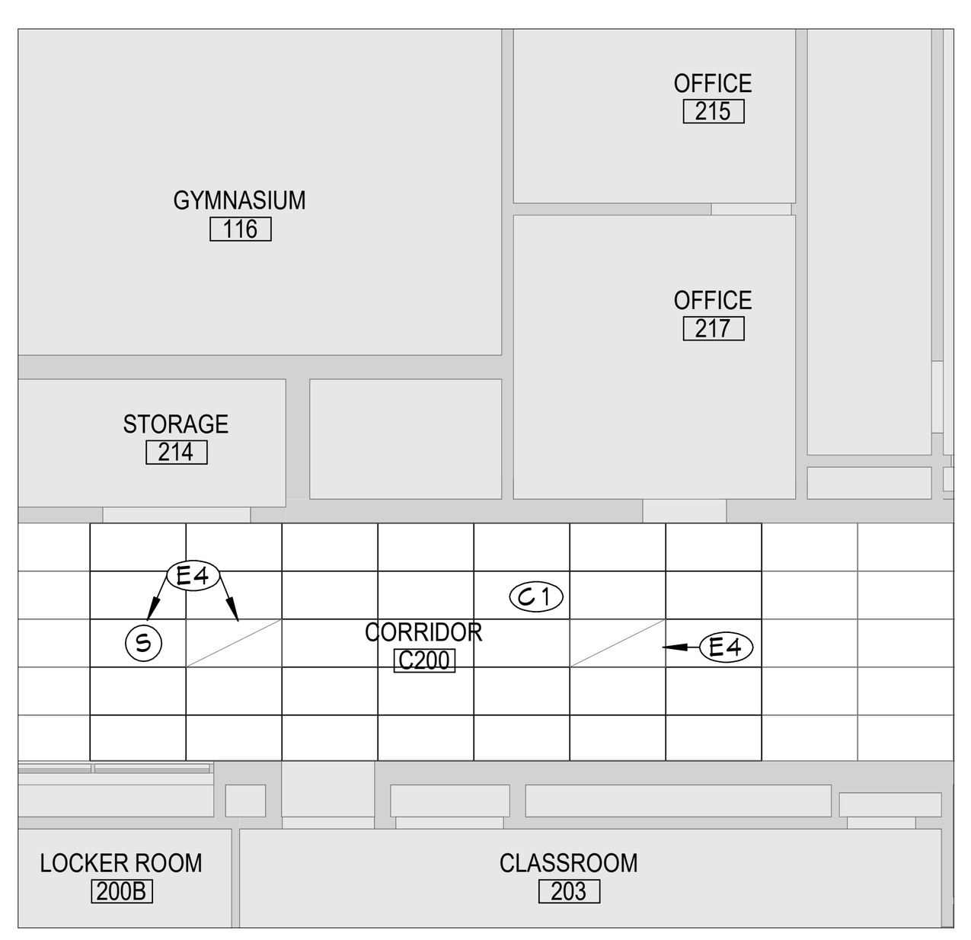
10 NEW ROOF COMPOSITION
A402 3" = 1'-0"



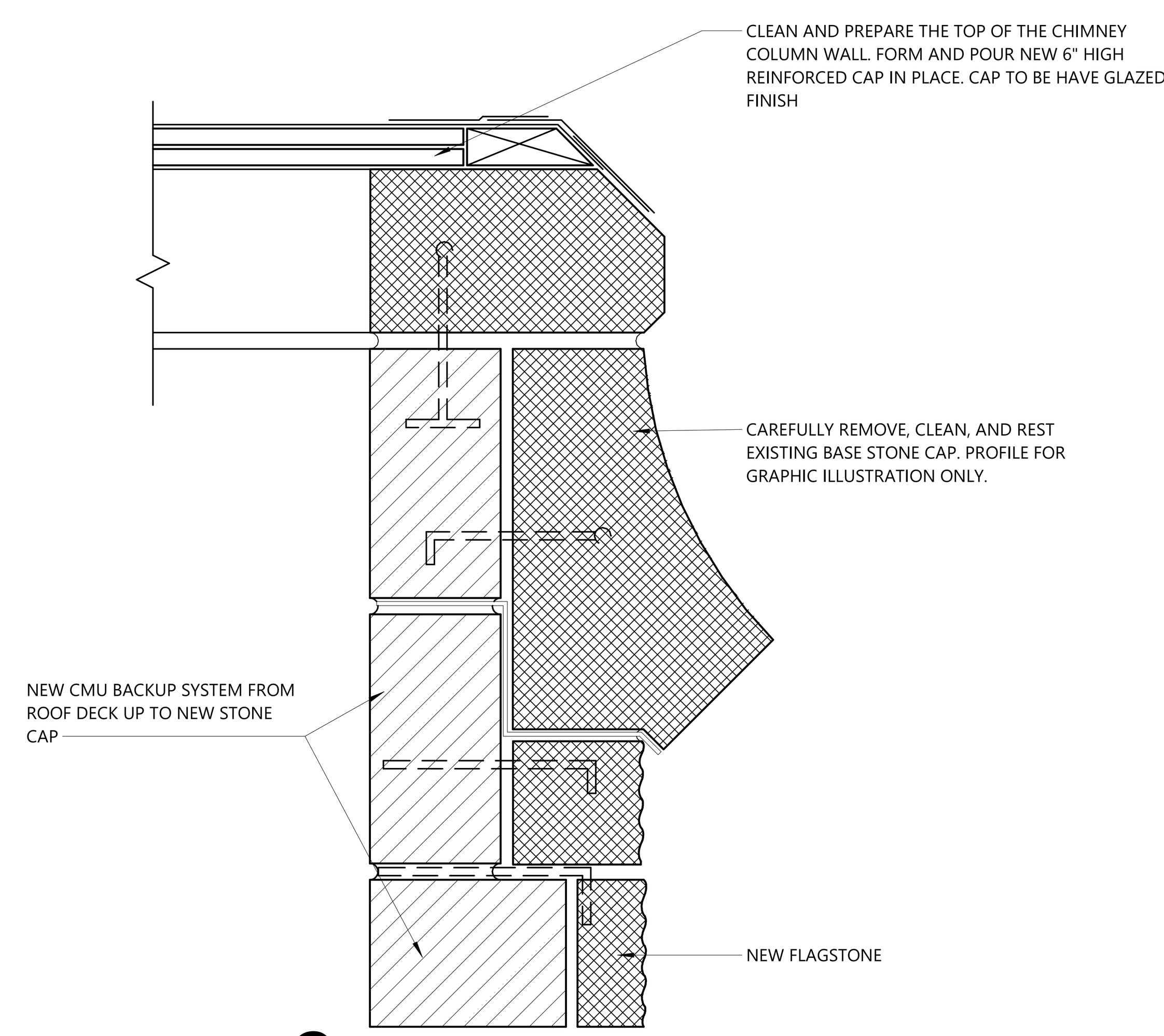
9 REGLET DETAIL
A402 1 1/2" = 1'-0"



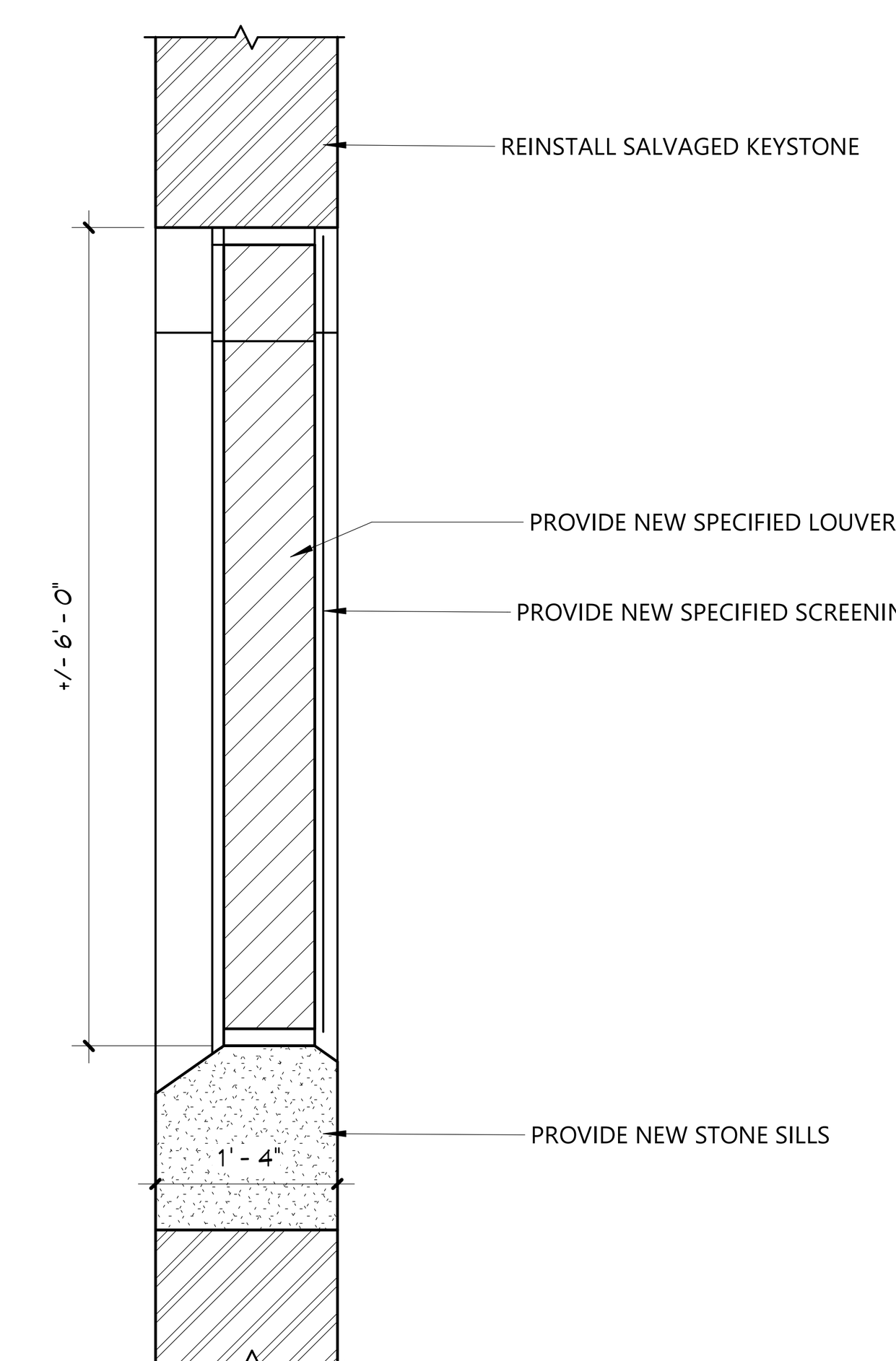
8 NEW CHIMNEY CAPS - CLOSED STACK
A402 1/4" = 1'-0"



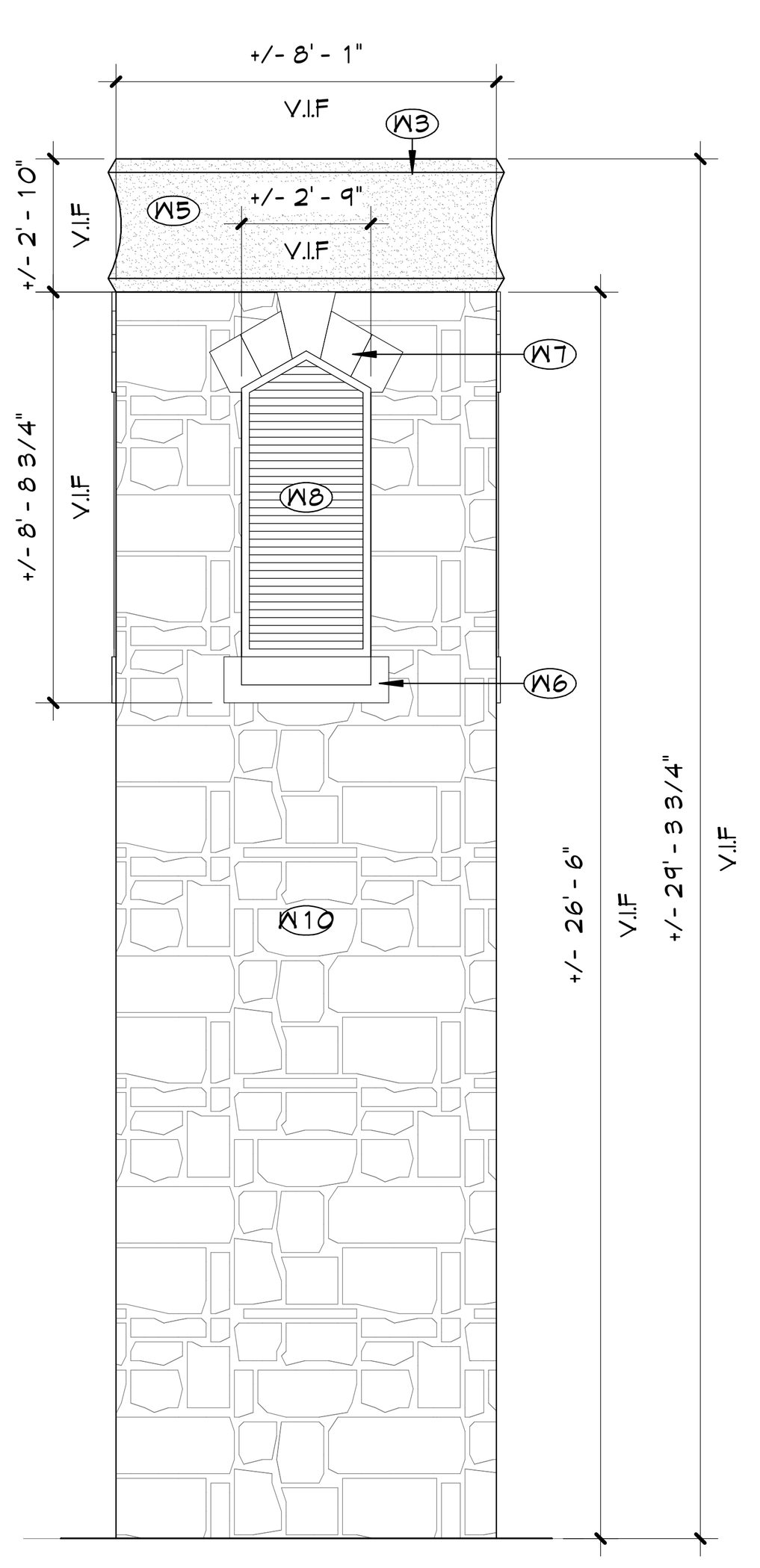
7 RCP NEW - SECOND FLOOR - AREA A
A402 1/8" = 1'-0"



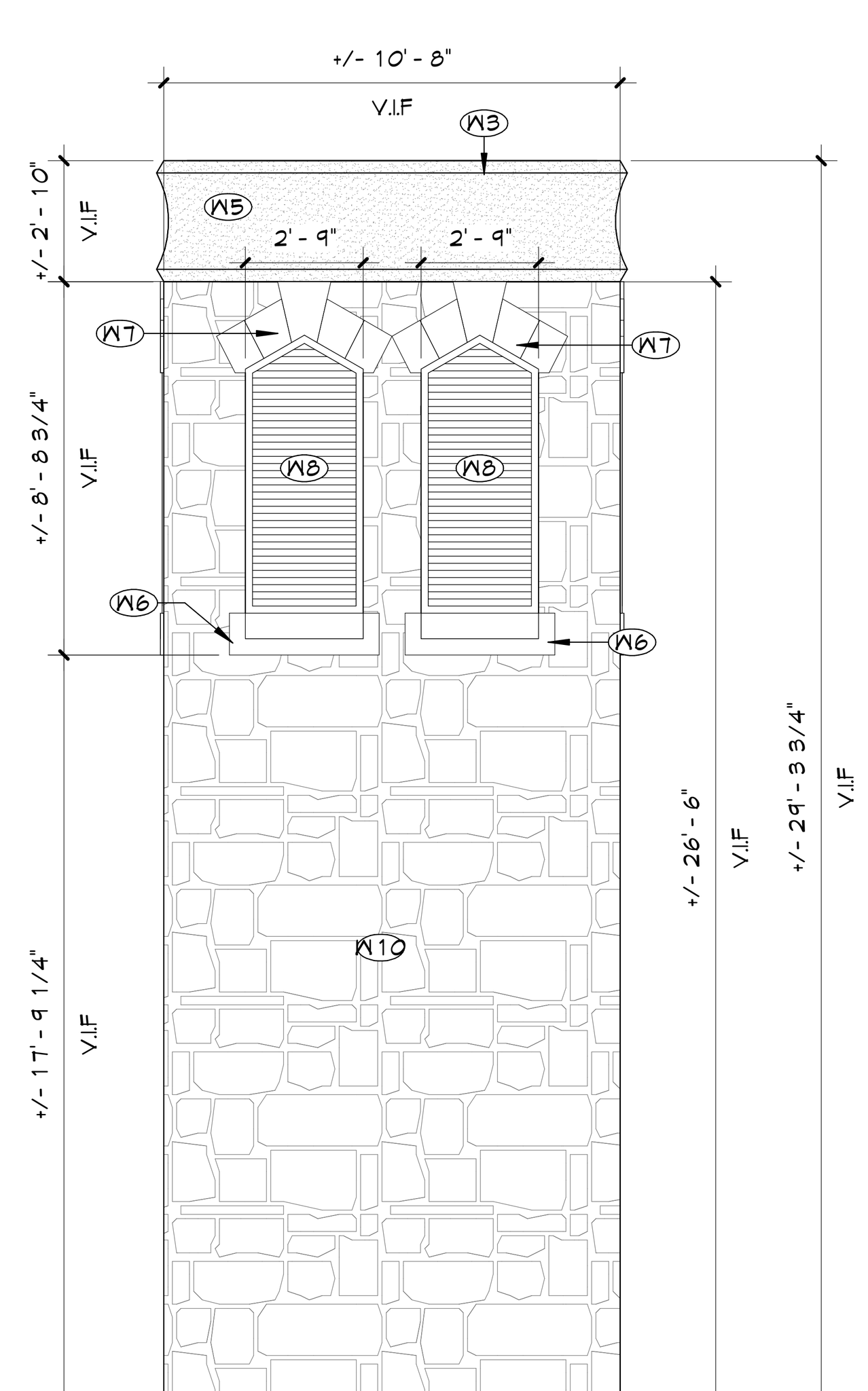
6 CHIMNEY RECONSTUCTION DETAIL
A402 3" = 1'-0"



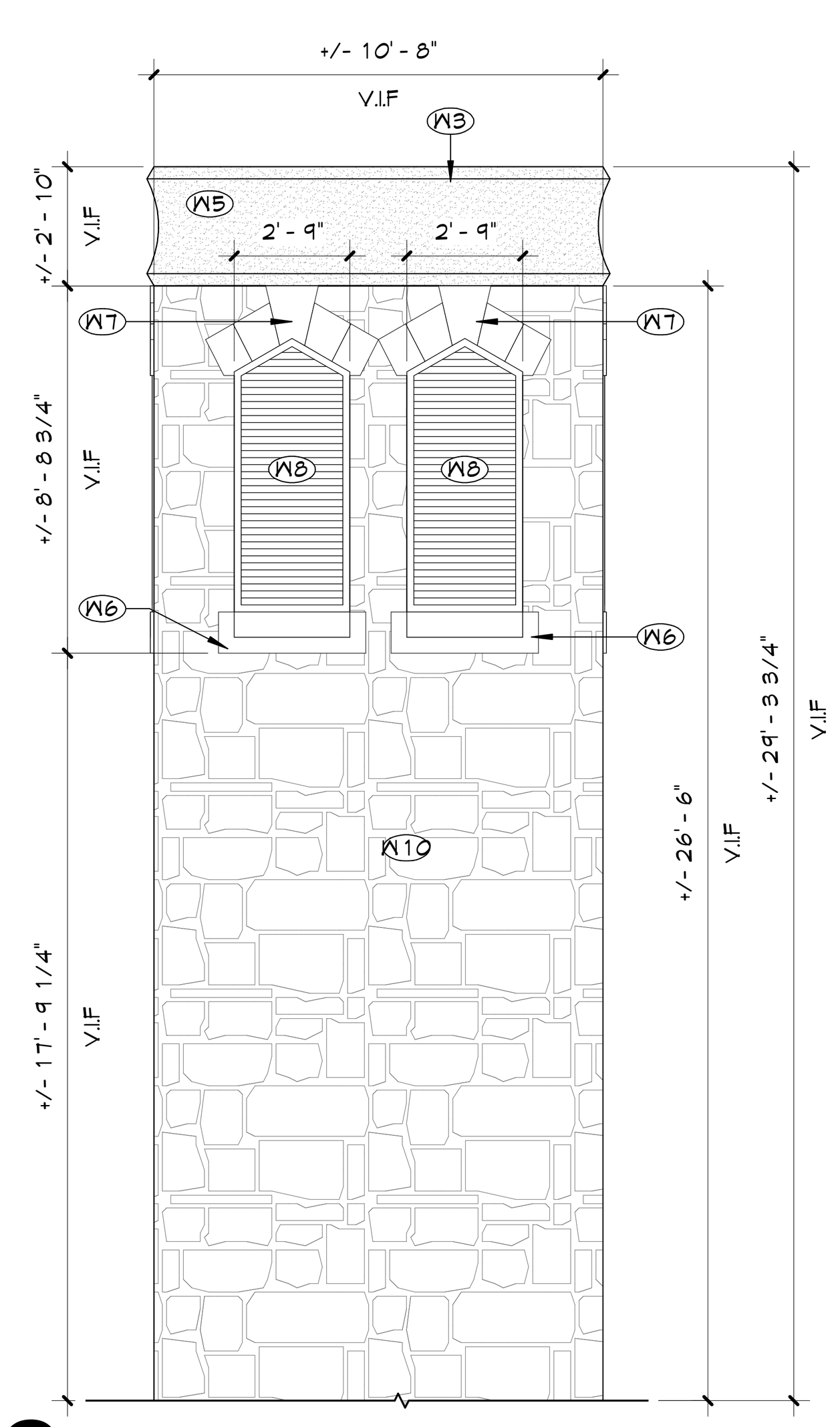
5 NEW LOUVER DETAIL
A402 3/4" = 1'-0"



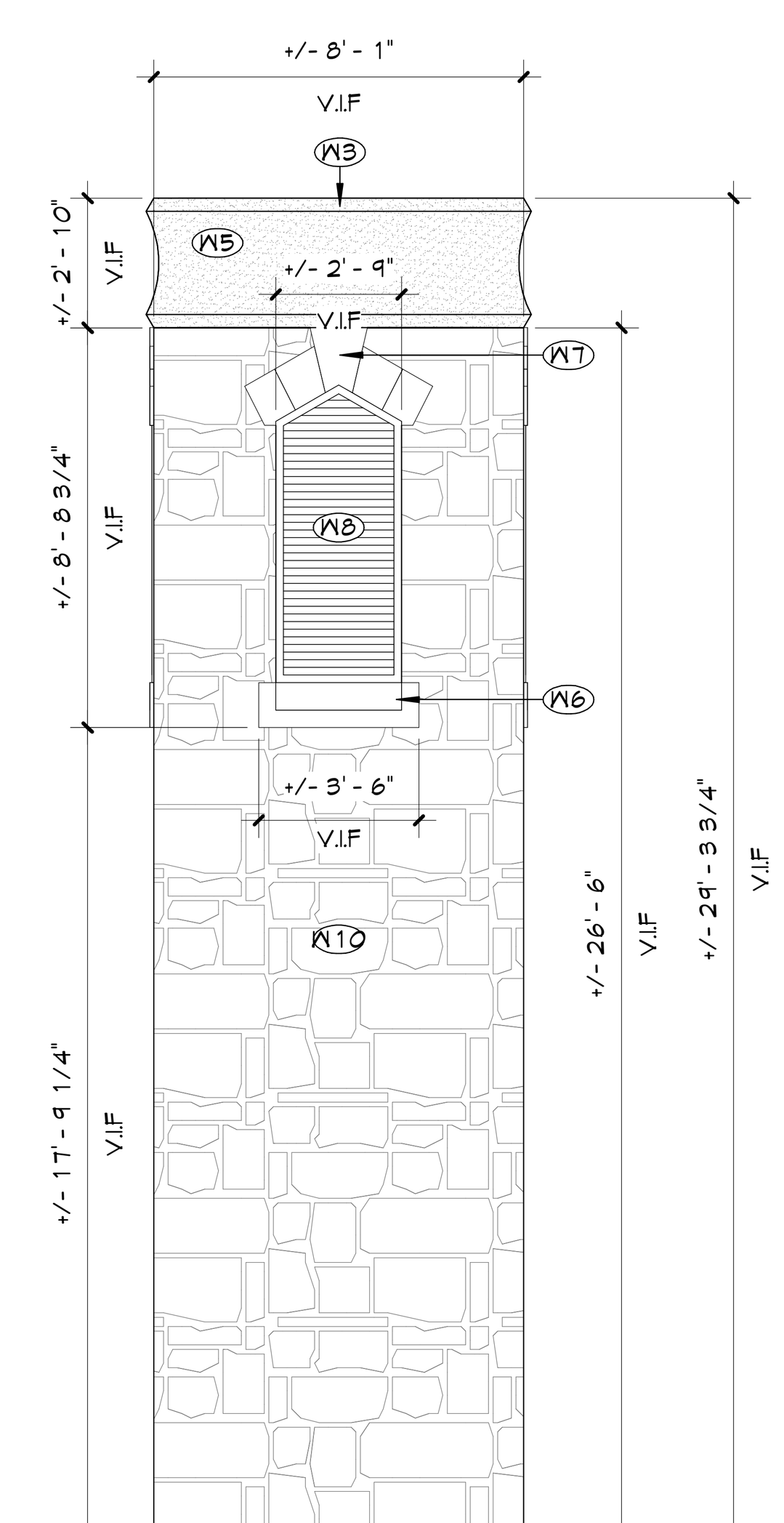
4 CHIMNEY EAST ELEVATION
A402 1/4" = 1'-0"



3 CHIMNEY NORTH ELEVATION
A402 1/4" = 1'-0"



2 CHIMNEY SOUTH ELEVATION
A402 1/4" = 1'-0"



1 CHIMNEY WEST ELEVATION
A402 1/4" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A400'S FOR ROOFING PLANS, ELEVATIONS, DETAILS AND NOTES.

ROOF GENERAL NOTES

1. PROVIDE CRICKETS (1" MINIMUM RISE) AT UPSLOPE SIDE OF ALL CURBS TO FACILITATE WATER RUNOFF AND REDUCE WATER DAMMING.
2. PROVIDE PRE-MOLDED PIPE/CONDUIT FLASHING AT ALL ROUND ROOF PENETRATIONS.
3. DIMENSIONS SHOW ARE APPROXIMATE AND ARE BASED ON DOCUMENTS AVAILABLE DURING DESIGN. CONTRACTOR IS RESPONSIBLE FOR FILED VERIFICATION OF ALL DIMENSIONS PRIOR TO COMMENCEMENT OF WORK.

NEW ROOF ASSEMBLY DESCRIPTIONS

ROOFS 'C'
- FULLY ADHERED EPDM ROOF MEMBRANE
- ROOF INSULATION & COVERBOARD (R-30 MINIMUM AVERAGE)
- 3/8" SHEATHING
- EXISTING WOOD DECK, SLOPED

ROOF LEGEND

AREA OF NEW ROOF DECK

INDICATES AREA OF TAPERED INSULATION, 1/8" PER FOOT, UNO

WALKWAY PAD: ROOFING MANUFACTURERS STANDARD WALKWAY PADS (PER ROOFING SYSTEM SPECIFIED)

CEILING NOTES

1. INSTALL CEILING GRIDS CENTERED IN THE ROOM, UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.
4. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES, AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS. (LIGHTING AND HVAC DIFFUSERS ARE SHOWN FOR COORDINATION ONLY - SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR SPECIFIC INFORMATION).
5. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPEAKERS, GENERAL ALARM SPEAKERS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN MULTIPLE ITEM CENTER OR EDGES.

CEILING LEGEND

GWB OR PLASTER CEILING, REFER TO DETAILS AND ROOM FINISH SCHEDULE

SUSPENDED ACOUSTICAL CEILING TILE SYSTEM (TYPCIALLY 2X2 OR 2X4)

+X'-X" CEILING HEIGHT ABOVE FINISHED FLOOR, REFER TO FINISH PLANS & SCHEDULE

ELECTRICAL EQUIPMENT

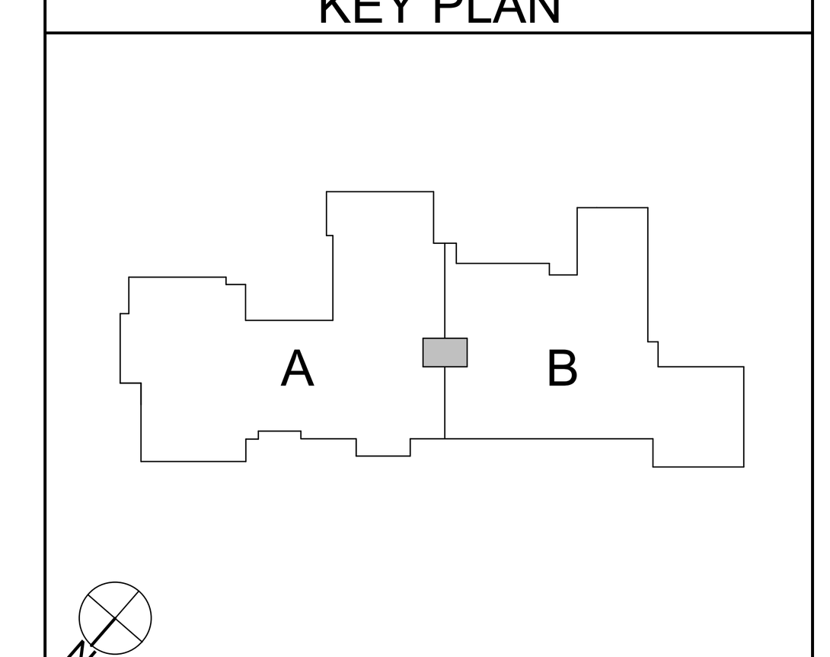
2'x4' LIGHT FIXTURE

S SMOKE DETECTOR

KEY NOTES

C1	24"x24" ACOUSTIC PANELS AND SUSPENSION SYSTEM.
E4	AFTER ABOVE-CEILING WORK AND NEW CEILING INSTALLATION IS COMPLETE, REINSTALL AND RECONNECT PER ORIGINAL, ALL EXISTING CEILING MOUNTED LIGHTING FIXTURES, SMOKE DETECTORS, AND ANY OTHER MISCELLANEOUS ELECTRICAL DEVICES, WHICH WERE DISCONNECTED AND REMOVED PER DWG. AD402. REINSTALL ALL REMOVED CEILING ELECTRICAL FIXTURES/DEVICES AT THEIR ORIGINAL LOCATIONS.
R2	NEW ROOF EDGE, REFER TO DETAILS.
W3	CLEAN AND PREPARE THE TOP OF THE CHIMNEY COLUMN WALL. FORM AND POUR NEW 6" HIGH REINFORCED CAP IN PLACE. CAP TO BE HAVE GLAZED FINISH.
W5	INSTALL NEW CAST COPING STONE.
W6	PROVIDE NEW STONE SILLS.
W7	INSTALL NEW KEYSTONES.
W8	PROVIDE NEW COPPER LOUVER SYSTEM TO MATCH THE PREVIOUS SIZE, STYLE, MATERIAL AND FINISH.
W10	FULLY RECONSTRUCT FLAGSTONE CHIMNEY CMU BACKUP SYSTEM IN ITS ENTIRETY. CAREFULLY INSTALL NEW FLAGSTONE TO NEW CMU BACKUP SYSTEM. CHIMENY TO MATCH PREVIOUS LOOK IN ITS ENTIRETY.

KEY PLAN



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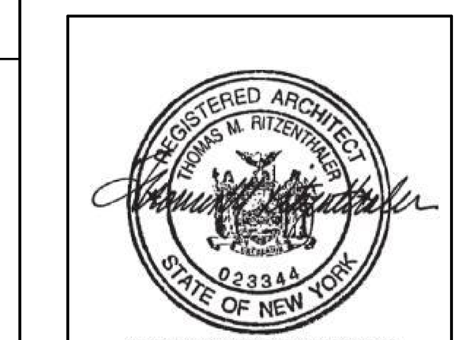
Project Title

CITY SCHOOL DISTRICT OF NEW ROCHELLE
HENRY BARNARD ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1



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Sheet Title

ENLARGED ROOF, PLAN, ELEVATION, AND DETAILS

Sheet No.

HBE A402

CONSTRUCTION DOCUMENTS

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