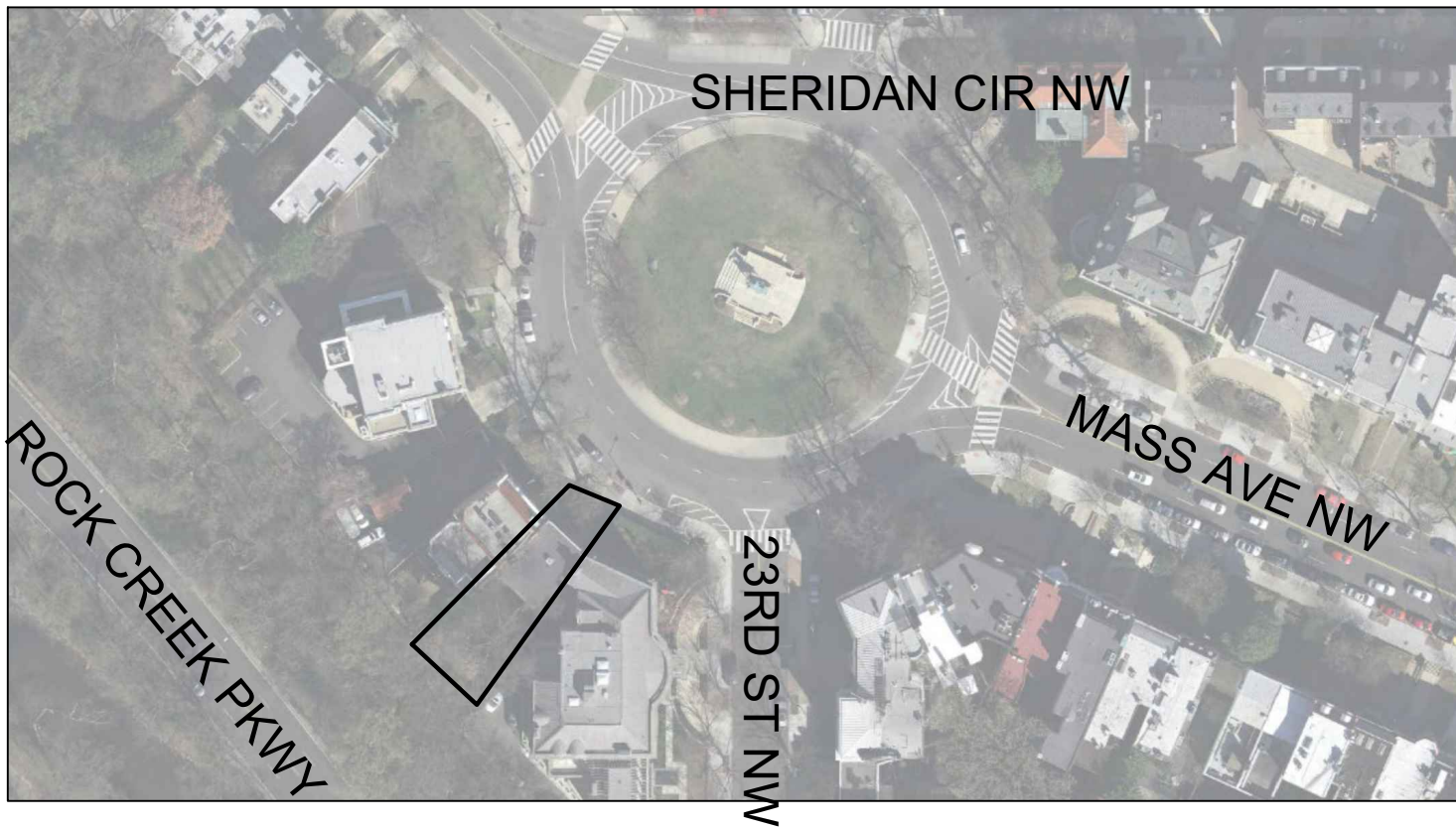


ARCHITECTURAL PART

LATVIAN EMBASSY

2304 MASSACHUSETTS AVE NW, WASHINGTON, D.C., 20008

DRAWING INDEX	NARRATIVE	ABBREVIATIONS	KEY
<div><div><div>001 - COVER SHEET</div><div>002 - GENERAL NOTES</div><div>003 - GENERAL NOTES</div><div>004 - SITE PLAN</div><div>D-001 - DEMO PLAN</div><div>D-002 - DEMO PLAN</div><div>A-101 - EXISTING FLOOR PLANS</div><div>A-102 - EXISTING FLOOR PLANS</div><div>A-103 - EXISTING FLOOR PLANS</div><div>A-104 - PROPOSED FLOOR PLANS</div><div>A-105 - PROPOSED FLOOR PLANS</div><div>A-106 - PROPOSED FLOOR PLANS</div><div>A-154 - PROPOSED RCP</div><div>A-155 - PROPOSED RCP</div><div>A-156 - PROPOSED RCP</div><div>A-201 - EXISTING EXTERIOR ELEVATIONS</div><div>A-202 - PROPOSED EXTERIOR ELEVATIONS</div><div>A-301 - PROPOSED SECTIONS</div><div>A-302 - PROPOSED SECTIONS</div><div>A-501 - DETAILS</div><div>A-502 - DOOR SCHEDULE</div><div>A-503 - WINDOW SCHEDULE</div><div>A-504 - STAIR DETAILS</div><div>A-505 - ATTIC HATCH STAIR DETAILS</div><div>A-506 - LIFT DETAILS</div><div>A-507 - EXISTING WINDOWS</div><div>A-508 - NEW WINDOWS</div><div>A-509 - DOORS</div><div>A-601 - FINISH FLOOR PLANS AND SCHEDULES</div></div><div><div>M001 MECHANICAL NOTES AND SYMBOLS</div><div>M002 MECHANICAL BASEMENT FLOOR PLANS</div><div>M003 MECHANICAL FIRST FLOOR PLANS</div><div>M004 MECHANICAL SECOND FLOOR PLANS</div><div>M005 MECHANICAL THIRD FLOOR PLANS</div><div>M006 MECHANICAL ATTIC & ROOF PLANS</div></div></div> <div><div>M007 MECHANICAL SCHEDULES</div><div>M008 MECHANICAL DETAILS</div><div>M009 MECHANICAL DETAILS</div><div>M010 MECHANICAL VRF DIAGRAM</div><div>P001 PLUMBING COVER SHEET</div><div>P002 PLUMBING FLOOR PLANS</div><div>P003 PLUMBING FLOOR PLANS</div><div>P004 PLUMBING FLOOR PLANS</div><div>P005 PLUMBING DIAGRAMS</div><div>E001 ELECTRICAL COVER SHEET</div><div>E002 ELECTRICAL FLOOR PLANS - LIGHTING</div><div>E003 ELECTRICAL FLOOR PLANS - LIGHTING</div><div>E004 ELECTRICAL FLOOR PLANS - POWER</div><div>E005 ELECTRICAL FLOOR PLANS - POWER</div><div>E006 ELECTRICAL FLOOR PLANS</div><div>E007 RISER DIAGRAM NOTES AND SCHEDULES</div><div>F001 FIRE ALARM FLOOR PLANS</div><div>F002 FIRE ALARM FLOOR PLANS</div><div>EVS001 ENERGY VERIFICATION SHEET</div></div> <div><div>S-01 GENERAL NOTES. TABLE OF CONTENTS. LOAD PLANS</div><div>S-02 CONNECTION DETAILS FOR WOOD ELEMENTS AND AISLE DETAILING</div><div>S-3 BASEMENT FLOOR PLAN & 1ST FLOOR PLAN</div><div>S-03.1 1ST FLOOR FRAMING PLAN AND 2ND FLOOR FRAMING PLAN</div><div>S-04 2ND FLOOR PLAN & 3RD FLOOR PLAN</div><div>S-04.1 3RD FLOOR FRAMING PLAN AND ATTIC FLOOR FRAMING PLAN</div><div>S-05 ATTIC PLAN AND ROOF FRAMING PLAN</div><div>S-06 INTERNAL STAIR DETAILING</div><div>S-07 SITE STRUCTURE DETAILING</div></div>	<p>THIS PROJECT IS TO RENOVATE THE INTERIOR IN AN EXISTING SINGLE-FAMILY HOME. THE WINDOWS AND INTERIOR STAIRS ARE TO BE REPLACED AS NOTED. WE PROPOSING THE ADDITION OF A DUMBWAITER, FOUR NEW BEDROOMS AND ONE NEW BATHROOM. THE TWO KITCHENS ARE TO REMAIN.</p>	<p>AFF - ABOVE FINISH FLOOR A.U.F. - ABOVE UNFINISHED FLOOR ADA - AMERICAN DISABILITY ACT ALT - ALTERNATE APPROX. - APPROXIMATELY DWG S - DRAWINGS EQ - EQUAL EXT. - EXTERIOR EXIST. - EXISTING FF - FINISH FLOOR HR - HOUR HT - HEIGHT LV - LEVEL MNFRS- MANUFACTURE'S MIN - MINIMUM NOM - NOMINAL SHR - SHOWER SPEC - SPECIFICATION TYP - TYPICAL W/ - WITH W/D - WASHER AND DRYER W/O - WITHOUT</p>	<div><div><div></div><div>EXISTING BUILDING TO REMAIN</div></div><div><div></div><div>EXISTING CONCRETE PAVING</div></div><div><div></div><div>EXISTING BRICK PAVING</div></div><div><div></div><div>NEW CONSTRUCTION</div></div><div><div>-----</div><div>EXISTING TOPO LINE</div></div><div><div>----</div><div>PROPERTY LINE</div></div><div><div></div><div>EXISTING WALLS</div></div><div><div></div><div>NEW CONSTRUCTION</div></div><div><div></div><div>DOOR TAGS</div></div><div><div>1</div><div>WINDOW TAGS</div></div><div><div></div><div>WALL TAGS</div></div><div><div>----</div><div>DEMO LINES</div></div><div><div></div><div>FIRE RATED</div></div><div><div>-----</div><div>EXIT ACCESS DISTANCE</div></div><div><div>R1</div><div>RECESSED LIGHTING</div></div><div><div>R2</div><div>SHOWER LIGHT</div></div><div><div>S1</div><div>CEILING LIGHT</div></div><div><div>VANITY</div><div>VANITY LIGHT</div></div><div><div>EXL</div><div>EXTERIOR SCONCE</div></div><div><div>INTL</div><div>WALL LAMP</div></div><div><div>EXISTING</div><div>EXISTING LAMP</div></div><div><div>-----</div><div>CENTERLINE</div></div><div><div></div><div>TOILET</div></div><div><div></div><div>SHOWER</div></div><div><div></div><div>BATHTUB</div></div><div><div></div><div>BATH SINK</div></div></div>
	<div>SITE</div> <div></div> <div>SQUARE: 2507 LOT: 0003 ZONING: R-3</div> <div><div>EXISTING LOT SIZE: 3,854 SF</div><div>EXISTING BUILDING FOOTPRINT: ~1790 SF</div><div>EXISTING BUILDING FOOTPRINT: ~4507 SF</div></div> <div><div>BUILDING USE/OCCUPANCY: R-3 (RESIDENTIAL)</div></div> <div><div>BUILDING NUMBER OF STORIES ABOVE GRADE: 3</div><div>HT OF BUILDING: ~41'-2" AT FRONT</div><div>~36'-1" AT REAR</div></div>		
APPLICABLE CODES & STANDARDS			
<div><div><div><div>2012 NFPA 101 LIFE SAFETY CODE</div><div>2010 NFPA 72</div><div>2010 NFPA 13</div><div>TITLE 12 DCMR, DC CONSTRUCTION CODES SUPPLEMENT (2013)</div><div>DCMR 12 DC CONSTRUCTION CODES SUPPLEMENT (2008)</div><div>AMENDMENT TO DCMR 12 DC CONSTRUCTION CODE SUPPLEMENT 2008</div><div>2013 DISTRICT OF COLUMBIA BUILDING CODE</div><div>2013 DISTRICT OF COLUMBIA GREEN CONSTRUCTION CODE</div><div>2013 DISTRICT OF COLUMBIA ENERGY CONSERVATION CODE</div><div>2013 DISTRICT OF COLUMBIA FIRE CODE</div><div>2013 DISTRICT OF COLUMBIA MECHANICAL CODE</div><div>2013 DISTRICT OF COLUMBIA PLUMBING</div><div>2011 NATIONAL ELECTRICAL CODE</div><div>2012 ICC CODES:</div><div><div>2012 ICC BUILDING CODE</div><div>2012 ICC MECHANICAL CODE</div><div>2012 ICC PLUMBING CODE</div><div>2012 ICC FIRE CODE</div><div>2012 ICC ENERGY CONSERVATION CODE</div><div>2012 ICC GREEN CONSTRUCTION CODE</div></div><div>2010 AMERICANS WITH DISABILITIES ACT</div><div>DCMR TITLE 11 - ZONING REGULATIONS</div></div></div></div>			
PROJECT CONSULTANTS			
<div><div>MECHANICAL ENGINEERS</div><div>CAPITAL ENGINEERING GROUP</div><div>1825 K ST NW, SUITE 375 WASHINGTON, D.C., 20006</div><div>PHONE: 202-216-0039</div></div>			

THIS PROJECT IS TO RENOVATE THE INTERIOR IN AN EXISTING SINGLE-FAMILY HOME. THE WINDOWS AND INTERIOR STAIRS ARE TO BE REPLACED AS NOTED. WE PROPOSING THE ADDITION OF A DUMBWAITER, FOUR NEW BEDROOMS AND ONE NEW BATHROOM. THE TWO KITCHENS ARE TO REMAIN.

SITE



SQUARE: 2507

LOT: 0003

ZONING: R-3

EXISTING LOT SIZE: 3,854 SF

EXISTING BUILDING FOOTPRINT: ~1790 SF

EXISTING BUILDING FOOTPRINT: ~4507 SF

BUILDING USE/OCCUPANCY: R-3 (RESIDENTIAL)

BUILDING NUMBER OF STORIES ABOVE GRADE: 3

HT OF BUILDING: ~41'-2" AT FRONT

~36'-1" AT REAR

AFF - ABOVE FINISH FLOOR

A.UF.F. - ABOVE UNFINISHED FLOOR

ADA - AMERICAN DISABILITY ACT

ALT - ALTERNATE

APPROX. - APPROXIMATELY

DWG S - DRAWINGS

EQ - EQUAL

EXT. - EXTERIOR

EXIST. - EXISTING

FF - FINISH FLOOR

HR - HOUR

HT - HEIGHT

LV - LEVEL

MNFRS- MANUFACTURE'S

MIN - MINIMUM

NOM - NOMINAL

SHR - SHOWER

SPEC - SPECIFICATION

TYP - TYPICAL

WI - WITH

WD - WASHER AND DRYER

W/O - WITHOUT

EXISTING BUILDING TO REMAIN

EXISTING CONCRETE PAVING

EXISTING BRICK PAVING

NEW CONSTRUCTION

EXISTING TOPO LINE

PROPERTY LINE

EXISTING WALLS

NEW CONSTRUCTION

DOOR TAGS

WINDOW TAGS

WALL TAGS

DEMO LINES

FIRE RATED

EXIT ACCESS DISTANCE

RECESSED LIGHTING

SHOWER LIGHT

CEILING LIGHT

VANITY LIGHT

EXTERIOR SCONCE

WALL LAMP

EXISTING LAMP

CENTERLINE

TOILET

SHOWER

BATHTUB

BATH SINK

ATELIER MjK

1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C. ,20009
(202)-643-3995

ECO
JaunRīga

DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY

2304 MASSACHUSETTS AVE,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

	02/16/21
	
	
	
	
	
	

DATE:

07/28/20

SHEET NAME:

COVER SHEET

SHEET #:

001

GENERAL NOTES:

- WORK TO INCLUDE ALL COMPONENTS AND ASSOCIATED WORK AND MATERIALS INDICATED ON THE DRAWINGS TO BE ABLE TO COMPLETE THE JOB.
- CONSTRUCTION TO FOLLOW APPLICABLE CODES. CODE TAKES PRECEDENT OVER DRAWINGS IN THE CASE OF DISCREPANCIES. WORK SHALL COMPLY WITH ALL REGULATORY REQUIREMENTS.
- CONTRACTOR SHALL EXAMINE ALL DRAWINGS AND NOTES, AS WELL AS THE SITE PRIOR TO COMMENCING CONSTRUCTION. ARCHITECTURAL WORK IS COORDINATED WITH EXISTING CONDITIONS TO THE GENERAL STANDARD OF CARE. NOT ALL EXISTING CONDITIONS ARE APPARENT ON VISUAL OBSERVATIONS. IF ANY DISCREPANCIES EMERGE, CONTRACTOR TO REQUEST CLARIFICATION FROM THE DESIGN TEAM PRIOR TO FABRICATION OR CONSTRUCTION.
- PROVIDE SHOP DRAWINGS FOR ANY MILLWORK OR GLAZING SYSTEMS, AS WELL AS ANY OTHER ITEMS INDICATED IN ENGINEERING DRAWINGS.
- ALL WORK TO BE PERFORMED DURING NORMAL BUSINESS HOURS MONDAY THROUGH FRIDAY (7AM - 5PM) OR AS APPROVED BY OWNER AND IN CONFORMANCE WITH LOCAL ORDINANCES. IF WORK CANNOT BE COMPLETED DURING AGREED HOURS THE OWNER SHALL BE CONTACTED PRIOR TO SIGNING THE CONTRACT. WORK THAT IS DISRUPTIVE TO OTHER TENANTS AND/OR ACTIVITIES IN BUILDING WILL NEED TO BE PERFORMED OUTSIDE OF NORMAL BUILDING HOURS IN ACCORDANCE WITH THE BUILDING RULES AND REGULATIONS AND SCHEDULED WITH OWNER.
- PROVIDE FIRE EXTINGUISHERS AND OTHER SAFETY MEASURES AS REQUIRED BY CODE AND/OR OSHA DURING THE FULL DURATION OF CONSTRUCTION.
- ALL TEMPORARY AND PERMANENT SIGNAGE TO BE INSTALLED TO MEET APPLICABLE CODES INSIDE AND OUTSIDE OF THE BUILDING.
- FINISHES, INSULATING MATERIALS, ADHESIVES, COATINGS, ECT SHALL NOT EXCEED THE MAXIMUM FLAME SPREAD RATING.
- CEILING HEIGHTS TO BE A MINIMUM OF 7' IN ANY OCCUPIED SPACES. NO MECHANICAL EQUIPMENT, DUCTWORK, OR PLUMBING SHALL ENCR OACH ON THIS MINIMUM HEAD HEIGHT.
- MINIMUM EGRESS WIDTH - 44" INSIDE SUITES. CORRIDORS OUTSIDE OF SUITES TO BE 60" UNLESS NOTED OTHERWISE.
- PRIOR TO THE INSTALLATION OF TELEPHONE AND ELECTRICAL OUTLETS, VERIFY LOCATION WITH OWNER.
- IF NEEDED, COORDINATE LOCATION OF SPRINKLERS WITH LIGHT FIXTURES, DUCTS, AND OTHER CEILING FIXTURES PRIOR TO INSTALLATION AND NOTIFY OWNER OF ANY CONFLICTS.
- CONFIRM THAT DUCTWORK AND CONCEALED SYSTEMS ARE CONCEALED PER THE ARCHITECTURAL DRAWINGS. ANY EXPOSED DUCTWORK OR PIPING TO BE PAINTED WITH PAINT SELECTED BY ARCHITECT.
- COORDINATE ACCESS PANEL LOCATIONS FOR MECHANICAL, PLUMBING AND ELECTRICAL WITH ARCHITECT PRIOR TO INSTALLATION.
- FIRESTOPPING: ALL DUCT CHASES, BULKHEADS, LAUNDRY CHUTES, METAL FLUES, TUB TRAPS, AND ALL SHAFTS/WET STACKS AT EACH FLOOR AND WHEN PASSING THROUGH RATED WALLS OR OTHER ASSEMBLIES.
- SMOKE DETECTORS: PLEASE REFER TO ENGINEERING DRAWINGS FOR FIRE ALARM AND DETECTION REQUIREMENTS.
- CONTRACTOR IS TO COORDINATE WITH ALL OF THE TRADES.
- CONTRACTORS ARE NOT TO USE PERMANENT FACILITIES FOR CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR PROVIDING BATHROOMS, CONSTRUCTION SINK, ETC. AND CANNOT USE EXISTING SINKS, TOILETS, OR FACILITIES FOR THE DISPOSAL OR CLEANING OF CONSTRUCTION PRODUCTS.
- LOCATION OF TEMPORARY CONSTRUCTION TOILET FACILITIES, DUMPSTER AND STAGING AREAS TO BE COORDINATED WITH OWNER AND BUILDING MANAGEMENT PRIOR TO THE BEGINNING OF DEMOLITION. CONTRACTOR IS RESPONSIBLE FOR THE COST OF THESE FACILITIES.
- CONTRACTOR IS RESPONSIBLE FOR STORING ALL MATERIALS AND FIXTURES AND PROTECTING AGAINST THEFT AND DAMAGE.
- CONTRACTOR IS TO PROVIDE CONSTRUCTION CORES FOR ANY DOORS USED DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR CHANGING CORES TO OWNERS KEYS ONCE CONSTRUCTION IN SECURED AREA HAS BEEN COMPLETED. NO FINAL OWNER KEY IS TO BE DISTRIBUTED TO CONTRACTORS, STAFF OR SUBS.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING OF ALL SPACES TO A LEVEL OF NORMAL RESIDENTIAL USE AT SUBSTANTIAL COMPLETION.
- CONTRACTOR TO PROVIDE ALL APPLICABLE MANUFACTURER'S WARRANTIES AND FURNISH TO THE OWNER. THIS INCLUDES WARRANTIES FOR LIGHT FIXTURES, HVAC, AND PLUMBING UNITS, AS WELL AS ANY ARCHITECTURAL OR HARDWARE ITEMS.
- CONTRACTOR TO CONFIRM ANY EXISTING SITE MEASUREMENTS PRIOR TO FABRICATION, ORDERING OR INSTALLING MILLWORK, WALLS, GLAZING, FINISHES, LIGHTING OR EQUIPMENT NOTIFY ARCHITECT OF ANY DISCREPANCIES.

FINISHES:

- FOR ALL FINISHES, FOLLOW MANUFACTURER'S SITE CONDITION REQUIREMENTS, INCLUDING MAINTENANCE OF TEMPERATURE AND HUMIDITY PRIOR TO INSTALLATION. PREPARE ALL SUB-SURFACES PRIOR TO INSTALLATION OF FINISH MATERIALS. SUB-SURFACES TO BE CLEAN, DRY, AND FREE FROM DEBRIS PRIOR TO APPLICATION OF ANY FINISH SURFACE. ALL SUB-SURFACES TO BE STRUCTURALLY SOUND, WITH CRACKS TO BE FILLED PER MANUFACTURER'S DIRECTIONS, PRIOR TO FINISH APPLICATION.
- CONCRETE UNDERLAYMENT TO BE LEVEL AND EVEN PRIOR TO THE INSTALLATION OF FINISH MATERIAL INCLUDING, CARPET OR TILE. CONTRACTOR TO INSTALL NEW LAYER OF CONCRETE UNDERLAYMENT IF SUBFLOOR CONDITIONS ARE UNEVEN, OR UNSMOOTH.
- FOR ALL MATERIALS AND SYSTEMS, FOLLOW MANUFACTURER'S INSTRUCTIONS FOR THE PROPER INSTALLMENT METHODS, INCLUDING CHALK LAYOUT AND ADHESIVE PREPARATION.

- IN BATHROOMS AND AT PANTRIES, PROVIDE NON-ABSORBENT GYPSUM BOARDS AND GYPSUM BASEBOARD AROUND SHOWER & SINK AREAS.
- ALL DRYWALL PARTITIONS TO BE FINISHED TO A LEVEL 4 FINISH PER GA-214-96.

PAINTING:

- REFER TO BUILDING STANDARDS. ANY QUESTIONS OR DISCREPANCIES REGARDING LOCATION TO BE BROUGHT TO THE ARCHITECT'S ATTENTION PRIOR TO COMMENCING WORK. STANDARD ONE COAT PRIMER AND TWO FINISH COATS ON ALL SURFACES TO BE PAINTED.

STEEL STUDS:

- REFER TO BUILDING STANDARDS

ROUGH CARPENTRY:

DELIVERY, STORAGE, AND HANDLING:

- A. STACK LUMBER FLAT WITH SPACERS BENEATH AND BETWEEN EACH BUNDLE TO PROVIDE AIR CIRCULATION. PROTECT LUMBER FROM WEATHER BY COVERING WITH WATERPROOF SHEETING, SECURELY ANCHORED. PROVIDE FOR AIR CIRCULATION AROUND STACKS AND UNDER COVERINGS.
- B. WOOD TO BE STORED AT SAME HUMIDITY LEVELS AND TEMPERATURE AS TYPICAL INDOOR FAMILY HOUSE ENVIRONMENT

PRODUCTS:

- A. LUMBER: DOC PS 20 AND APPLICABLE RULES OF GRADING AGENCIES INDICATED. IF NO GRADING AGENCY IS INDICATED, PROVIDE LUMBER THAT COMPLIES WITH THE APPLICABLE RULES OF ANY RULES-WRITING AGENCY CERTIFIED BY THE ALSC BOARD OF REVIEW. PROVIDE LUMBER GRADED BY AN AGENCY CERTIFIED BY THE ALSC BOARD OF REVIEW TO INSPECT AND GRADE LUMBER UNDER THE RULES INDICATED.
1. FACTORY MARK EACH PIECE OF LUMBER WITH GRADE STAMP OF GRADING AGENCY.
2. WHERE NOMINAL SIZES ARE INDICATED, PROVIDE ACTUAL SIZES REQUIRED BY DOC PS 20 FOR MOISTURE CONTENT SPECIFIED. WHERE ACTUAL SIZES ARE INDICATED, THEY ARE MINIMUM DRESSED SIZES FOR DRY LUMBER.
3. PROVIDE DRESSED LUMBER, S4S, UNLESS OTHERWISE INDICATED.
- B. MAXIMUM MOISTURE CONTENT OF LUMBER: 19 PERCENT FOR 2-INCH NOMINAL (38-MM ACTUAL) THICKNESS OR LESS, NO LIMIT FOR MORE THAN 2-INCH NOMINAL (38-MM ACTUAL) THICKNESS UNLESS OTHERWISE INDICATED.
- C. GRADE: FOR DIMENSION LUMBER SIZES, PROVIDE NO. 2 GRADE LUMBER PER ALSC'S NGRS OF ANY SPECIES. FOR BOARD-SIZE LUMBER, PROVIDE NO. 3 COMMON GRADE PER NELMA, NLGA, OR WWPA; NO. 2 GRADE PER SPIB; OR STANDARD GRADE PER NLGA, WCLIB OR WWPA OF ANY SPECIES.

FASTENERS:

- A. NAILS, BRADS, AND STAPLES: ASTM F 1667.
- B. POWER-DRIVEN FASTENERS: NES NER 272.
- C. WOOD SCREWS: ASME B18.6.1.
- D. SCREWS FOR FASTENING TO METAL FRAMING: ASTM C 1002, LENGTH AS RECOMMENDED BY SCREW MANUFACTURER FOR MATERIAL BEING FASTENED.

INSTALLATION:

- A. PROVIDE BLOCKING AND FRAMING AS INDICATED AND AS REQUIRED TO SUPPORT FACING MATERIALS, FIXTURES, SPECIALTY ITEMS, AND TRIM.
- B. SECURELY ATTACH CARPENTRY WORK TO SUBSTRATE BY ANCHORING AND FASTENING AS INDICATED, COMPLYING WITH THE FOLLOWING:
1. NES NER-272 FOR POWER-DRIVEN FASTENERS.
2. TABLE 2304.9.1, "FASTENING SCHEDULE," IN ICC'S INTERNATIONAL BUILDING CODE.
- USE STEEL COMMON NAILS UNLESS OTHERWISE INDICATED. SELECT FASTENERS OF SIZE THAT WILL NOT FULLY PENETRATE MEMBERS WHERE OPPOSITE SIDE WILL BE EXPOSED TO VIEW OR WILL RECEIVE FINISH MATERIALS. MAKE TIGHT CONNECTIONS BETWEEN MEMBERS. INSTALL FASTENERS WITHOUT SPLITTING WOOD. DRIVE NAILS SNUG BUT DO NOT COUNTERSINK NAIL HEADS UNLESS OTHERWISE INDICATED.

ARCHITECTURAL MILLWORK:

- A. SHOP DRAWINGS: SHOW LOCATION OF EACH ITEM, DIMENSIONED PLANS AND ELEVATIONS, LARGE-SCALE DETAILS, ATTACHMENT DEVICES, AND OTHER COMPONENTS.
1. SHOW DETAILS FULL SIZE.
2. SHOW LOCATIONS AND SIZES OF FURRING, BLOCKING, AND HANGING STRIPS, INCLUDING CONCEALED BLOCKING AND REINFORCEMENT SPECIFIED IN OTHER SECTIONS.
3. SHOW LOCATIONS AND SIZES OF CUTOUTS AND HOLES FOR PLUMBING FIXTURES, FAUCETS, SOAP DISPENSERS AND OTHER ITEMS INSTALLED IN ARCHITECTURAL WOODWORK.

A. SAMPLES FOR INITIAL SELECTION:

1. SHOP-APPLIED TRANSPARENT FINISHES.
2. THERMOSET DECORATIVE PANELS.

B. SAMPLES FOR VERIFICATION:

1. LUMBER WITH OR FOR TRANSPARENT FINISH OR VENEER NOT LESS THAN 5 INCHES (125 MM) WIDE BY 24 INCHES (600 MM) LONG, FOR EACH SPECIES AND CUT, FINISHED ON 1 SIDE AND 1 EDGE.
2. SOLID SURFACING, 8 BY 10 INCHES (200 BY 250 MM), FOR EACH TYPE, COLOR, PATTERN, AND SURFACE FINISH, WITH 1 SAMPLE APPLIED TO CORE MATERIAL AND SPECIFIED EDGE MATERIAL

APPLIED TO 1 EDGE.

3. CORNER PIECES AS FOLLOWS:
- a. CABINET-FRONT FRAME JOINTS BETWEEN STILES AND RAILS, AS WELL AS EXPOSED END PIECES, 18 INCHES (450 MM) HIGH BY 18 INCHES (450 MM) WIDE BY 6 INCHES (150 MM) DEEP.
- b. MITER JOINTS FOR STANDING TRIM.
4. EXPOSED CABINET HARDWARE AND ACCESSORIES, ONE UNIT FOR EACH TYPE AND FINISH.

PROJECT CONDITIONS - ENVIRONMENTAL LIMITATIONS: DO NOT DELIVER OR INSTALL WOODWORK UNTIL BUILDING IS ENCLOSED, WET WORK IS COMPLETE, AND HVAC SYSTEM IS OPERATING AND MAINTAINING TEMPERATURE BETWEEN 60 AND 90 DEG F (16 AND 32 DEG C) AND RELATIVE HUMIDITY BETWEEN 25 AND 55 PERCENT DURING THE REMAINDER OF THE CONSTRUCTION PERIOD.

- C. FIELD MEASUREMENTS: WHERE WOODWORK IS INDICATED TO FIT TO OTHER CONSTRUCTION, VERIFY DIMENSIONS OF OTHER CONSTRUCTION BY FIELD MEASUREMENTS BEFORE FABRICATION, AND INDICATE MEASUREMENTS ON SHOP DRAWINGS. COORDINATE FABRICATION SCHEDULE WITH CONSTRUCTION PROGRESS TO AVOID DELAYING THE WORK.
1. LOCATE CONCEALED FRAMING, BLOCKING, AND REINFORCEMENTS THAT SUPPORT WOODWORK BY FIELD MEASUREMENTS BEFORE BEING ENCLOSED, AND INDICATE MEASUREMENTS ON SHOP DRAWINGS.
2. ESTABLISHED DIMENSIONS: WHERE FIELD MEASUREMENTS CANNOT BE MADE WITHOUT DELAYING THE WORK, ESTABLISH DIMENSIONS AND PROCEED WITH FABRICATING WOODWORK WITHOUT FIELD MEASUREMENTS. PROVIDE ALLOWANCE FOR TRIMMING AT SITE, AND COORDINATE CONSTRUCTION TO ENSURE THAT ACTUAL DIMENSIONS CORRESPOND TO ESTABLISHED DIMENSIONS.

PRODUCTS:

- A. WOOD SPECIES AND CUT FOR TRANSPARENT FINISH:
1. TYPICAL: WHITE MAPLE, PLAIN SAWN OR SLICED. GRAIN DIRECTION: VERTICALLY FOR DRAWER FRONTS, DOORS, AND FIXED PANELS. MATCHING OF VENEER LEAVES: SLIP MATCH. VERTICAL MATCHING OF VENEER LEAVES: END MATCH. VENEER MATCHING WITHIN PANEL FACE: BALANCE MATCH.
- B. WOOD SPECIES AND CUT FOR OPAQUE FINISH.
- TYPICAL: EASTERN WHITE PINE

- C. HIGH-PRESSURE DECORATIVE LAMINATE: NEMA LD 3, GRADES AS INDICATED OR, IF NOT INDICATED, AS REQUIRED BY WOODWORK QUALITY STANDARD.
1. MANUFACTURER: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE HIGH-PRESSURE DECORATIVE LAMINATES BY ONE OF THE FOLLOWING:

- a. ABET LAMINATI, INC.
- b. ARBORITE; DIVISION OF ITW CANADA INC.
- c. FORMICA CORPORATION.
- d. WILSONART INTERNATIONAL; DIV. OF PREMARK INTERNATIONAL, INC.
2. COLOR SELECTIONS:
- a. ALTERNATE AT CABINETS, BASIS OF DESIGN: FORMICA PREMIUM FULL RANGE OF MANUFACTURER'S COLORS, TO BE SELECTED BY ARCHITECT.

C. SOLID-SURFACING MATERIAL:

1. WILSONART. HOMOGENEOUS SOLID SHEETS OF FILLED PLASTIC RESIN COMPLYING WITH ISSFA-
- a. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY THE FOLLOWING: WILSONART INTERNATIONAL; DIV. OF PREMARK INTERNATIONAL, INC.
- TYPE: STANDARD TYPE, UNLESS SPECIAL PURPOSE TYPE IS INDICATED.
- COLORS AND PATTERNS: BASIS OF DESIGN -WILSONART, QUARTZ IN NIWA

FOR ALL MILLWORK COMPLY WITH FIRE-RETARDANT WOOD TREATMENTS AS REQUIRED TO MEET FLAME SPREAD

HARDWARE AND ACCESSORIES:

- A. GENERAL: PROVIDE CABINET HARDWARE AND ACCESSORY MATERIALS ASSOCIATED WITH ARCHITECTURAL CABINETS.
- B. FRAMELESS CONCEALED HINGES (EUROPEAN TYPE): BHMA A156.9, B01602, 135 DEGREES OF OPENING. C. BACK-MOUNTED PULLS: BHMA A156.9, B02011.
1. BASIS OF DESIGN: HAEFELE.
- C. SHELF RESTS: BHMA A156.9, B04013 IN BLACK STEEL
- D. CATCHES: PUSH-IN MAGNETIC CATCHES, BHMA A156.9, B03131.
- E. BACK MOUNTED PULLS. BHMA A156.9, B02011 IN BRASS. REFER TO DRAWINGS.
- F. DRAWER SLIDES: BHMA A156.9, B05091.
1. HEAVY DUTY (GRADE 1HD-100): SIDE MOUNTED; FULL-EXTENSION TYPE;
- ZINC-PLATED STEEL BALL-BEARING SLIDES.
- G. DOOR LOCKS: BHMA A156.11, E07121. REFER TO DRAWINGS
- H. GROMMETS FOR CABLE PASSAGE THROUGH COUNTERTOPS: 2-INCH (51-MM) OD, BLACK, MOLDED-PLASTIC GROMMETS AND MATCHING PLASTIC CAPS WITH SLOT FOR WIRE PASSAGE.
1. PRODUCT: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE "OG SERIES" BY DOUG MOCKETT & COMPANY, INC.
- J. ADJUSTABLE SHELF STANDARDS AND SUPPORTS: [BHMA A156.9, B04071; WITH SHELF RESTS, B04081] [BHMA A156.9, B04102; WITH SHELF BRACKETS, B04112].
- K. EXPOSED HARDWARE FINISHES: FOR EXPOSED HARDWARE, PROVIDE FINISH THAT COMPLIES WITH BHMA A156.18 FOR BHMA FINISH NUMBER INDICATED.
1. SATIN BRASS: 4. CLEAR COATED: BHMA 610 FOR BRASS BASE; BHMA 636 FOR STEEL BASE.

2. BLACK STEEL: 1. DARK, OXIDIZED, SATIN BRONZE, OIL RUBBED: BHMA 613 FOR BRONZE BASE; BHMA 640 FOR STEEL BASE;

SHOP FINISHING:

- A. TRANSPARENT FINISH:
1. GRADE: PREMIUM
2. AWI FINISH SYSTEM: SYNTHETIC PENETRATING AWI FINISH SYSTEM: CATALYZED LACQUER.

B. OPAQUE FINISH:

- GRADE: PREMIUM
- A WI FINISH SYSTEM: CATALYZED LACQUER.

INSTALLATION

- A. INSTALL WOODWORK LEVEL, PLUMB, TRUE, AND STRAIGHT. SHIM AS REQUIRED WITH CONCEALED SHIMS. INSTALL LEVEL AND PLUMB (INCLUDING TOPS) TO A TOLERANCE OF 1/8 INCH IN 96 INCHES (3 MM IN 2400 MM).

- B. SCRIBE AND CUT WOODWORK TO FIT ADJOINING WORK, REFINISH CUT SURFACES, AND REPAIR DAMAGED FINISH AT CUTS.

- C. ANCHOR WOODWORK TO ANCHORS OR BLOCKING BUILT IN OR DIRECTLY ATTACHED TO SUBSTRATES. SECURE WITH COUNTERSUNK, CONCEALED FASTENERS AND BLIND NAILING AS REQUIRED FOR COMPLETE INSTALLATION. USE FINE FINISHING NAILS OR FINISHING SCREWS FOR EXPOSED FASTENING, COUNTERSUNK AND FILLED FLUSH WITH WOODWORK AND MATCHING FINAL FINISH IF TRANSPARENT FINISH IS INDICATED.

- D. STANDING AND RUNNING TRIM: INSTALL WITH MINIMUM NUMBER OF JOINTS POSSIBLE, USING FULL-LENGTH PIECES (FROM MAXIMUM LENGTH OF LUMBER AVAILABLE) TO GREATEST EXTENT POSSIBLE. DO NOT USE PIECES LESS THAN 60 INCHES (1500 MM) LONG, EXCEPT WHERE SHORTER SINGLE-LENGTH PIECES ARE NECESSARY. SCARF RUNNING JOINTS AND STAGGER IN ADJACENT AND RELATED MEMBERS.

1. FILL GAPS, IF ANY, BETWEEN TOP OF BASE AND WALL WITH PLASTIC WOOD FILLER, SAND SMOOTH, AND FINISH SAME AS WOOD BASE IF FINISHED.
2. INSTALL STANDING AND RUNNING TRIM WITH NO MORE VARIATION FROM A STRAIGHT LINE THAN 1/8 INCH IN 96 INCHES (3 MM IN 2400 MM).

- E. PANELING: ANCHOR PANELING TO SUPPORTING SUBSTRATE WITH CONCEALED PANEL-HANGER CLIPS. DO NOT USE FACE FASTENING, UNLESS COVERED BY TRIM.

1. INSTALL FLUSH PANELING WITH NO MORE THAN 1/16 INCH IN 96-INCH (1.5 MM IN 2400-MM) VERTICAL CUP OR BOW AND 1/8 INCH IN 96-INCH (3 MM IN 2400-MM) HORIZONTAL VARIATION FROM A TRUE PLANE.

- F. CABINETS: INSTALL WITHOUT DISTORTION SO DOORS AND DRAWERS FIT OPENINGS PROPERLY AND ARE ACCURATELY ALIGNED. ADJUST HARDWARE TO CENTER DOORS AND DRAWERS IN OPENINGS AND TO PROVIDE UNENCUMBERED OPERATION. COMPLETE INSTALLATION OF HARDWARE AND ACCESSORY ITEMS AS INDICATED.

1. INSTALL CABINETS WITH NO MORE THAN 1/8 INCH IN 96-INCH (3 MM IN 2400-MM) SAG, BOW, OR OTHER VARIATION FROM A STRAIGHT LINE.
2. FASTEN WALL CABINETS THROUGH BACK, NEAR TOP AND BOTTOM, AT ENDS AND NOT MORE THAN 16 INCHES (400 MM) O.C. WITH NO. 10 WAFER-HEAD SHEET METAL SCREWS THROUGH METAL BACKING OR METAL FRAMING BEHIND WALL FINISH.

- G. COUNTERTOPS: ANCHOR SECURELY BY SCREWING THROUGH CORNER BLOCKS OF BASE CABINETS OR OTHER SUPPORTS INTO UNDERSIDE OF COUNTERTOP.

1. ALIGN ADJACENT SOLID-SURFACING-MATERIAL COUNTERTOPS AND FORM SEAMS TO COMPLY WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS USING ADHESIVE IN COLOR TO MATCH COUNTERTOP. CAREFULLY DRESS JOINTS SMOOTH, REMOVE SURFACE SCRATCHES, AND CLEAN ENTIRE SURFACE.
2. INSTALL COUNTERTOPS WITH NO MORE THAN 1/8 INCH IN 96-INCH (3 MM IN 2400-MM) SAG, BOW, OR OTHER VARIATION FROM A STRAIGHT LINE.
3. SECURE BACKSPLASHES TO TOPS WITH CONCEALED METAL BRACKETS AT 16 INCHES (400 MM) O.C. AND TO WALLS WITH ADHESIVE.
4. CAULK SPACE BETWEEN BACKSPLASH AND WALL WITH SEALANT.

<div>ATELIER MjK</div> <div>1875 CONNECTICUT AVENUE, 10TH FLOOR WASHINGTON, D.C., 20009 (202)-643-3995</div>		<div>ECO JaunRīga</div> <div>DUNTES IELA 28-3, RĪGA, LATVIA, LV-1005 REG NR. 40103680902 +371 26451630</div>
<div>LATVIAN EMBASSY</div> <div>2304 MASSACHUSETTS AVE., NW, WASHINGTON, D.C., 20008</div>		
REVISIONS:		
△		
△		
△		
△		
△		
△		
DATE: 07/28/20		
SHEET NAME:		
GENERAL NOTES		
SHEET #:		
002		

5. TOUCH UP FINISHING WORK SPECIFIED IN THIS SECTION AFTER INSTALLATION OF WOODWORK. FILL NAIL HOLES WITH MATCHING FILLER WHERE EXPOSED

INSULATION:

- PROVIDE THERMAL, ACOUSTIC AND FIREPROOFING INSULATION AS REQUIRED TO CREATE RATED WALLS. COMPLY WITH MANUFACTURER'S INSTALLATION INFORMATION, INCLUDING MAXIMUM SPACING, COMPRESSION, FASTENING, AND ACCOMPANYING FIRE AND ACOUSTIC CAULKING.

MINERAL WOOL AND GLASS FIBER INSULATION: AS REQUIRED FOR UL RATINGS.

A. RECYCLED CONTENT: POSTCONSUMER RECYCLED CONTENT PLUS ONE-HALF OF PRECONSUMER RECYCLED CONTENT NOT LESS THAN 50 PERCENT.

B. UNFACED: ASTM C 665, TYPE I; WITH MAXIMUM FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES OF 25 AND 50, RESPECTIVELY, PER ASTM E 84; PASSING ASTM E 136 FOR COMBUSTION CHARACTERISTICS.

FIRE RESISTANT MATERIALS:

- WALLS AND OPENINGS REQUIRING A FIRE RATING SHALL BE FULLY SEALED WITH FIRE-RESISTANCE MATERIAL CONSISTENT WITH ITEM'S APPLICABLE UL RATING. FIRE RESISTANCE INCLUDES FURNISHING AND INSTALLING ALL MATERIALS REQUIRED FOR SYSTEM TO PREVENT SMOKE AND FIRE SPREAD CONSISTENT WITH APPLICABLE FIRE-RATING LEVEL. THIS INCLUDES PROVIDING RATED SEALS AT MECHANICAL, PLUMBING AND ELECTRICAL PENETRATIONS IN FIREWALLS, AS WELL AS IN VOIDS WHERE A FIRE OR SMOKE BARRIER MEETS ANOTHER SURFACE INCLUDE WALL TO FAÇADE CONNECTIONS, WALL TO SLAB CONNECTS, AND WALL TO WALL CONDITIONS. REFER TO MANUFACTURERS' WRITTEN INSTRUCTIONS FOR INSTALLATION REQUIREMENTS.

FIRE SAFING INSULATION

- A. CAULKING COMPOUND: MATERIAL APPROVED BY MANUFACTURER OF SAFING INSULATION FOR SEALING JOINT BETWEEN FOIL BACKING OF SAFING INSULATION AND EDGE OF CONCRETE FLOOR SLAB AGAINST PENETRATION OF SMOKE.
- B. SAFING CLIPS: GALVANIZED STEEL SAFING CLIPS APPROVED BY MANUFACTURER OF SAFING INSULATION FOR HOLDING SAFING INSULATION IN PLACE.

PENETRATION FIRESTOPPING

- A. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE THROUGH-PENETRATION FIRESTOP SYSTEMS INDICATED FOR EACH APPLICATION.
1. HILTI, INC.
2. 3M; FIRE PROTECTION PRODUCTS DIVISION.
3. TREMCO; SEALANT/WEATHERPROOFING DIVISION.
- B. FIRESTOPPING MATERIAL SHALL COMPLETELY FILL VOID SPACES REGARDLESS OF GEOMETRIC CONFIGURATION, SUBJECT TO TOLERANCE ESTABLISHED BY THE MANUFACTURER.
- FIRESTOPPING FOR FILLING FLOOR VOIDS 4 INCHES OR MORE IN ANY DIRECTION SHALL BE CAPABLE OF SUPPORTING THE SAME LOAD AS THE FLOOR IS DESIGNED TO SUPPORT OR SHALL BE PROTECTED BY A PERMANENT BARRIER TO PREVENT LOADING OR TRAFFIC IN THE FIRESTOPPED AREA. FIRESTOPPING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. FIRESTOPPING SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS:
1. PENETRATIONS OF DUCT, CONDUIT, TUBING, CABLE AND PIPE THROUGH FLOORS AND THROUGH FIRE-RESISTANCE RATED WALLS, PARTITIONS, AND CEILING-FLOOR ASSEMBLIES.
2. PENETRATIONS OF VERTICAL SHAFTS SUCH AS PIPE CHASES, ELEVATOR SHAFTS, AND UTILITY CHUTES.
3. GAPS AT THE INTERSECTION OF FLOOR SLABS AND CURTAIN WALLS, INCLUDING INSIDE OF HOLLOW CURTAIN WALLS AT THE FLOOR SLAB.
4. GAPS AT PERIMETER OF FIRE-RESISTANCE RATED WALLS AND PARTITIONS, SUCH AS BETWEEN THE TOP OF THE WALLS AND THE BOTTOM OF ROOF DECKS.
5. CONSTRUCTION JOINTS IN FLOORS AND FIRE RATED WALLS AND PARTITIONS.
6. OTHER LOCATIONS WHERE REQUIRED TO MAINTAIN FIRE RESISTANCE RATING OF THE CONSTRUCTION.

ACOUSTIC JOINT SEALANTS:

- JOINTS AT WALL INTERSECTIONS, DOORS, AND SLABS, SHALL HAVE NON HARDENING SEALANT AS SPECIFIED. FOLLOW MANUFACTURERS' WRITTEN INFORMATION FOR INSTALLATION. ACOUSTIC SEALANTS SHALL BE PAINTABLE AND SHALL BE INSTALLED AS NO SAG WITH CLEAN, STRAIGHT LINES. SEALED GAPS TO BE NO MORE THAN ¼", OR AS INDICATED BY MANUFACTURER. ALL SURFACES TO BE CLEAN, DRY, AND FREE FROM DUST PRIOR TO INSTALLATION.

A. FOR CONCEALED LOCATIONS, ACOUSTICAL SEALANTS SHALL BE ONE OF THE FOLLOWING APPROVED PRODUCTS.

SUBSTITUTIONS ARE UNACCEPTABLE UNLESS OTHERWISE APPROVED BY THE ARCHITECT.

1. TREMCO ACOUSTICAL SEALANT

2. GE SILPRUF SCS2000

- B. FOR EXPOSED LOCATIONS, ACOUSTICAL SEALANTS SHALL BE ONE OF THE FOLLOWING APPROVED PRODUCTS.
- SUBSTITUTIONS ARE UNACCEPTABLE UNLESS OTHERWISE APPROVED BY THE ARCHITECT.
1. STI SPEC SEAL PEN300
2. GE SANITARY 1700
- C. FOR FIRE-RATED LOCATIONS, ACOUSTICAL SEALANTS SHALL BE ONE OF THE FOLLOWING APPROVED PRODUCTS.
- SUBSTITUTIONS ARE UNACCEPTABLE UNLESS OTHERWISE APPROVED BY THE ARCHITECT.
1. HILTI CP 601S
2. STI SPEC SEAL PEN300
3. TREMCO FYRE-SIL
4. JOHNS MANVILLE FIRETEMP CI

DOORS:

DOORS SCHEDULED TO HAVE CLOSERS SHALL HAVE CONCEALED OVERHEAD CLOSERS AND THREE SILENCERS UNLESS NOTED OTHERWISE. SOLID WOOD DOORS BETWEEN LIVING ROOM AND STAIRCASE SHALL HAVE FULLY MORTISED DROP SWEEPS AND ACOUSTIC SEALS UNLESS NOTED OTHERWISE. MAXIMUM UNDERCUT OF OTHER DOORS TO BE ¾" UNLESS SPECIFIED AS AIR RETURNS BY THE MEP ENGINEER. STOPS AND MOLDINGS AS REQUIRED. INSTALLATION AND ANCHORING TO STRUCTURE PER MANUFACTURER'S INSTRUCTIONS.

I. ENTRY GLASS DOORS: REFER TO BUILDING STANDARDS

II. FLUSH WOOD DOORS: REFER TO BUILDING STANDARDS

III. STEEL DOORS: REFER TO BUILDING STANDARDS

ALL DOORS, FRAMES, TRIM, AND GLAZING TO BE LEVEL AND ALLOW FOR ALL SWEEPS, HANDLES AND LATCHES TO ENGAGE AS INTENDED. SWEEPS AND LATCHES SHALL DISENGAGE AS INTENDED WITHOUT SCRAPPING OR STICKING TO THE SURROUNDING MATERIALS, FLOORING OR LATCH PLATE.

CEILINGS:

- REFER TO BUILDING STANDARDS

WALL BASE:

1. RESILIENT WALL BASE - REFER TO BUILDING STANDARDS
- A. TYPE (MATERIAL REQUIREMENT): TS (RUBBER, VULCANIZED THERMOSET) OR TP (RUBBER, THERMOPLASTIC).
- B. GROUP (MANUFACTURING METHOD): I (SOLID)
- C. STYLE:
1. COVE WITH TOP-SET TOE: FOR USE WITH FLOORING THAT IS NOT CARPET.
2. STRAIGHT WITH NO TOE: FOR USE WITH CARPET FLOORING.
- A. MINIMUM THICKNESS: 0.125 INCH3.2 MM.
- B. HEIGHT: 2 INCHES
- C. LENGTHS: COILS IN MANUFACTURER'S STANDARD LENGTH.
- D. OUTSIDE AND INSIDE CORNERS: WRAP BASE AT CORNERS.
- E. SURFACE: SMOOTH.
- F. COLOR AND PATTERN: WHITE, OR AS APPROVED BY ARCHITECT.
2. WOOD BASE, REFER TO DRAWINGS.
3. TILE BASE , REFER TO DRAWINGS.
2. RESILIENT ACCESSORIES
- III. PRODUCTS INCLUDE:
1. CARPET EDGE FOR GLUE DOWN APPLICATIONS.
2. CARPET NOSING.
3. REDUCER STRIP FOR RESILIENT FLOORING.
4. TILE/CARPET JOINER.
- B. PROFILE AND DIMENSIONS: AS INDICATED ON THE DRAWINGS AND AS REQUIRED BY THE APPLICATION.
- C. COLOR: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF AT LEAST 10 COLORS.

PORTABLE FIRE EXTINGUISHERS:

- A. INSTALLED AND MAINTAINED IN COMPLY WITH NFPA 10.
- B. PROVIDE 1 IN EACH SUITE WITH THE MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER: 75 FEET.
- C. FIRE EXTINGUISHERS TO BE COMMERCIAL ABC DRY CHEMICAL, RATED A MIN. OF 2A.
- D. CABINETS HOUSING EXTINGUISHERS SHALL BE KEPT UNLOCKED.
- E. SEE DRAWINGS FOR LOCATIONS OF PERMANENTLY HOUSES FIRE EXTINGUISHERS.
- F. CABINETS B.O.D.: GRAINGER WHITE RECESSED
1. MODEL NUMBER: 7720-DV
2. CABINETS TO BE IDENTIFIED WITH LETTERS NOT LESS THAN 2" IN RED OR BLACK TEXT.
3. FIRE EXTINGUISHERS NOT HOUSED IN CABINETS TO BE INSTALLED ON HANGERS OR BRACKETS SUPPLIED.
4. ALL F.E. TO BE LOCATED IN A CONSPICUOUS LOCATION AND NOT VISUALLY CONCEALED OR OBSTRUCTED.
5. FIRE EXTINGUISHERS WEIGHING 40LBS OR LESS TO BE INSTALLED WITH TOPS NO MORE THAN 5' ABOVE FLOOR, BUT THE BOTTOM OF THE EXTINGUISHER TO BE 4" OR MORE ABOVE FLOOR.

SALVAGED ITEMS:

COORDINATE ALL ITEMS TO BE SALVAGED WITH OWNER PRIOR TO

DEMOLITION.

SOLID SURFACE AND WOOD COUNTERTOPS:

- PART 1 - GENERAL
- 1.01 SUMMARY
- A. SECTION INCLUDES:
1. SOLID SURFACE COUNTERTOPS.
2. WOOD COUNTERTOPS.
3. METAL SUPPORT BRACKETS FOR WALL MOUNTED COUNTERTOPS.
- B. EXCLUDING:
1. METAL SUPPORT BRACKETS AND FITTINGS THAT ARE PART OF THE BUILDING STRUCTURE.
2. PLUMBING, ELECTRICAL FIXTURES, AND TELEPHONE EQUIPMENT.
- C. RELATED SECTIONS:
1. ROUGH CARPENTRY: WOOD BLOCKING OR GROUNDS INSIDE FINISHED WALLS OR ABOVE FINISHED CEILINGS.
2. MILLWORK
3. PLUMBING: FIXTURES AND FITTINGS INSTALLED IN COUNTERTOPS.
- 1.02 REFERENCES
- A. ARCHITECTURAL WOODWORK STANDARDS, LATEST EDITION.
- B. NEMA LD-3,HIGH PRESSURE DECORATIVE LAMINATE, LATEST EDITION.
- C. ANSI 208.1, PARTICLE BOARD, LATEST EDITION.
- D. ANSI 208.2, MDF, LATEST EDITION.
- 1.03 SUBMITTALS
- A. SHOP DRAWINGS:
1. SUBMIT SHOP DRAWINGS SHOWING PLANS, ELEVATIONS LARGE-SCALE DETAILS AND ATTACHMENTS.
- B. SAMPLES:
1. SUBMIT FOUR FINISHED SAMPLES OF EACH SPECIES AND CUT OF WOOD TO BE USED. LUMBER SAMPLES TO BE MINIMUM 6 INCHES BY 18 INCHES, AND SHEET PRODUCT SAMPLES TO BE MINIMUM 12 INCHES SQUARE. SAMPLES SHALL REPRESENT THE RANGE OF COLOR AND GRAIN EXPECTED TO BE PROVIDED.
2. SUBMIT FOUR UNFINISHED SAMPLES OF EACH PRODUCT TO BE PROVIDED FOR JOBSITE PAINTING OR FINISHING. LUMBER SAMPLES TO BE MINIMUM 6 INCHES BY 18 INCHES, AND SHEET GOODS TO BE 12 INCHES SQUARE.
3. SUBMIT A SAMPLE IN THE SPECIFIED FINISH OF EACH HARDWARE ITEM THAT WILL BE VISIBLE AT EXPOSED SURFACES WHEN THE JOB IS COMPLETE.
- 1.04 QUALITY ASSURANCE
- A. WORK SHALL BE IN ACCORDANCE WITH THE GRADE OR GRADES SPECIFIED OF THE ARCHITECTURAL WOODWORK STANDARDS.
- B. SINGLE SOURCE RESPONSIBILITY: A SINGLE MANUFACTURER SHALL PROVIDE AND INSTALL THE WORK OF DESCRIBED IN THIS SECTION.
- 1.05 DELIVERY STORAGE AND HANDLING
- A. DELIVER MATERIALS ONLY WHEN THE PROJECT IS READY FOR INSTALLATION AND THE GENERAL CONTRACTOR HAS PROVIDED A CLEAN STORAGE AREA.
1. DELIVERY OF ARCHITECTURAL MILLWORK SHALL BE MADE ONLY WHEN THE AREA OF OPERATION IS ENCLOSED, ALL PLASTER AND CONCRETE WORK IS DRY AND THE AREA BROOM CLEAN.
2. MAINTAIN INDOOR TEMPERATURE AND HUMIDITY WITHIN THE RANGE RECOMMENDED BY THE ARCHITECTURAL WOODWORK STANDARDS FOR THE LOCATION OF THE PROJECT.
- 1.06 SCHEDULING
- A. COORDINATE FABRICATION, DELIVERY, AND INSTALLATION WITH THE GENERAL CONTRACTOR AND OTHER APPLICABLE TRADES.
- PART 2 - PRODUCTS
- 2.01 SOLID SURFACE COUNTERTOPS
- A. GRADE: AWS PREMIUM GRADE.
- B. SOLID SURFACE: A FILLED CAST POLYMERIC RESIN PANEL MEETING THE REQUIREMENTS OF THE AWS.
- C. BACK SPLASHES: PER DRAWINGS.
- D. FRONT EDGES: AS INDICATED ON THE DRAWINGS: WATERFALL AND SELF EDGE
- PART 3 - EXECUTION
- 3.01 EXAMINATION
- F. VERIFY THE ADEQUACY AND PROPER LOCATION OF ANY REQUIRED BACKING OR SUPPORT FRAMING.
- G. VERIFY THAT MECHANICAL, ELECTRICAL, PLUMBING, AND OTHER BUILDING COMPONENTS AFFECTING WORK IN THIS SECTION ARE IN PLACE AND READY.
- 3.02 INSTALLATION
- A. INSTALL ALL WORK IN CONFORMANCE WITH ARCHITECTURAL WOODWORK STANDARDS, LATEST EDITION.
1. INSTALLATION SHALL CONFORM TO THE AWS GRADE OF THE ITEMS BEING INSTALLED.
- B. ALL WORK SHALL BE SECURED IN PLACE, SQUARE, PLUMB, AND LEVEL.
- C. ALL WORK ABUTTING OTHER BUILDING COMPONENTS SHALL BE PROPERLY SCRIBED.
- D. EQUIPMENT CUTOUTS SHOWN ON PLANS SHALL BE CUT BY THE INSTALLER.
- 3.03 ADJUSTING & TOUCH UP
- A. ALL NICKS, CHIPS, AND SCRATCHES IN THE FINISH SHALL BE FILLED AND RETOUCHED. DAMAGED ITEMS THAT CANNOT BE REPAIRED SHALL BE REPLACED.
- 3.04 CLEANUP
- A. UPON COMPLETION OF INSTALLATION, THE INSTALLER SHALL CLEAN ALL INSTALLED ITEMS OF PENCIL AND INK MARKS AND

BROOM CLEAN THE AREA OF OPERATION, DEPOSITING DEBRIS IN CONTAINERS PROVIDED BY THE GENERAL CONTRACTOR.

GLAZING SYSTEM:

SINGLE-GLAZED FRAMLESS. 1" BOTTOM RAIL AND HEAD TRACKS WITH BUTT JOINTS AT DRYWALL AND DOORS.

B.O.D. C.R. LAURENCE (SHOWER ENCLOSURE).

STONE/TILE:

SEE DRAWINGS

LIGHTING

CONTRACTOR TO PROVIDE SUBMITTALS PRIOR TO PURCHASE FOR ARCHITECT'S CONFIRMATION.

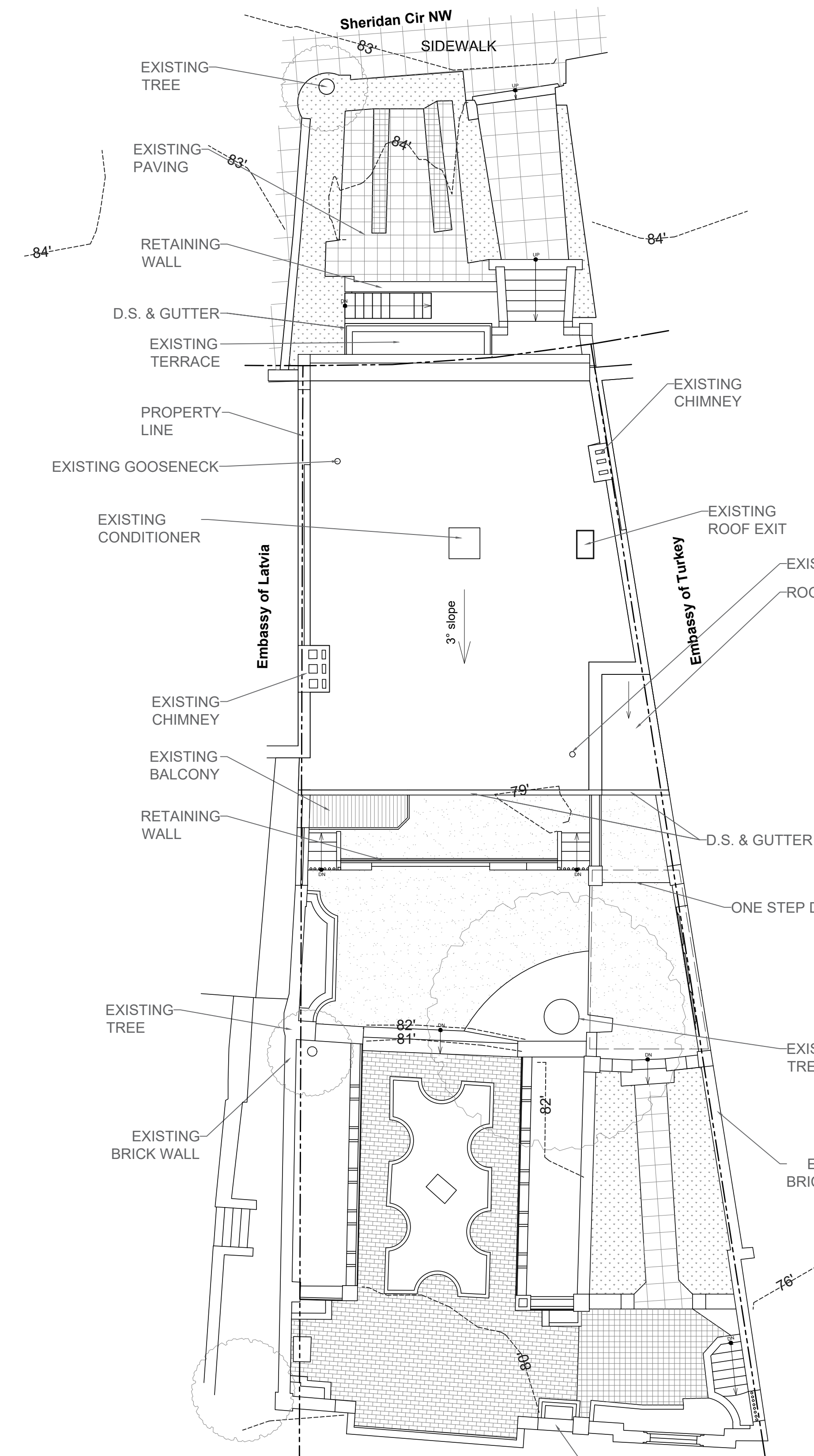
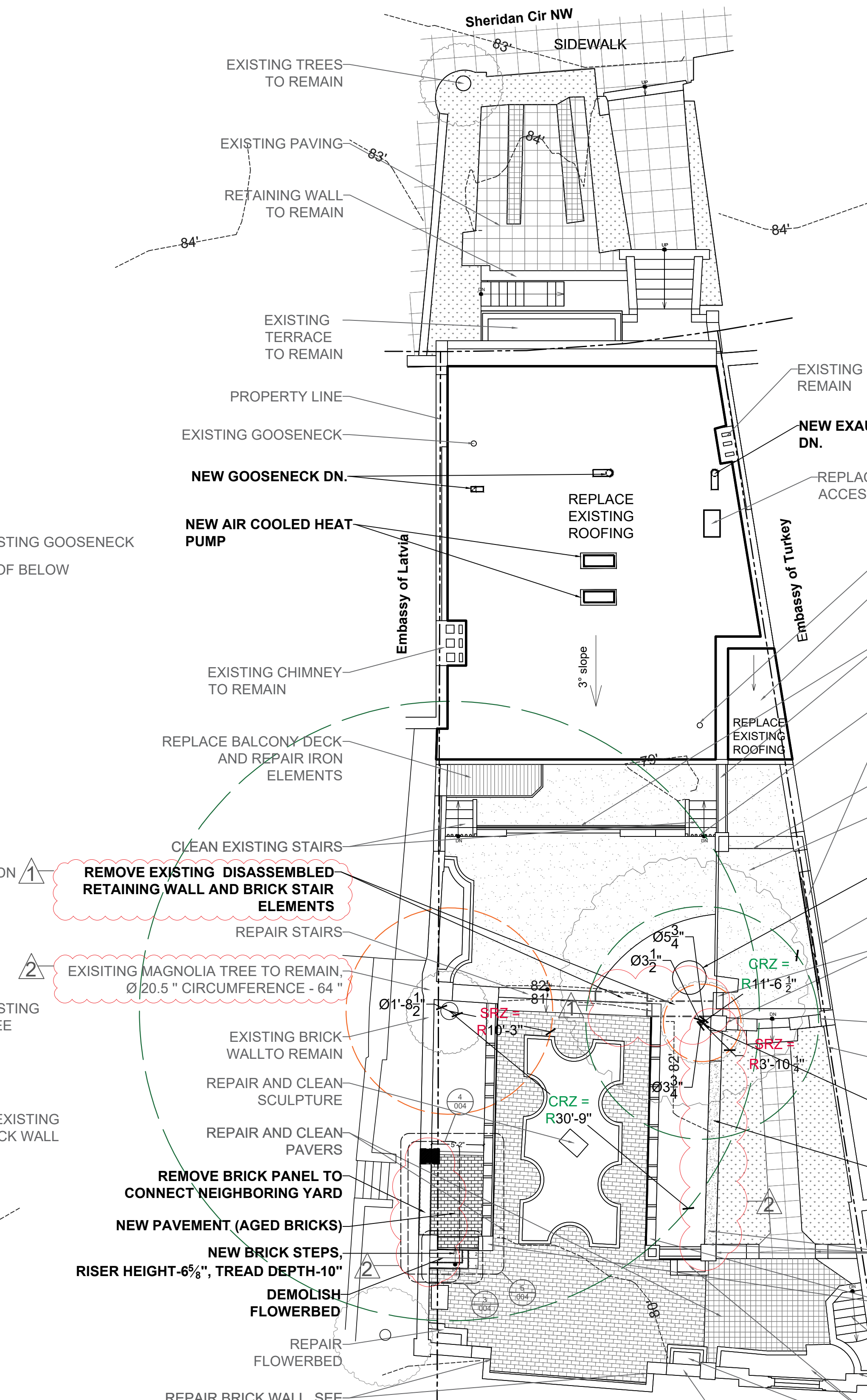
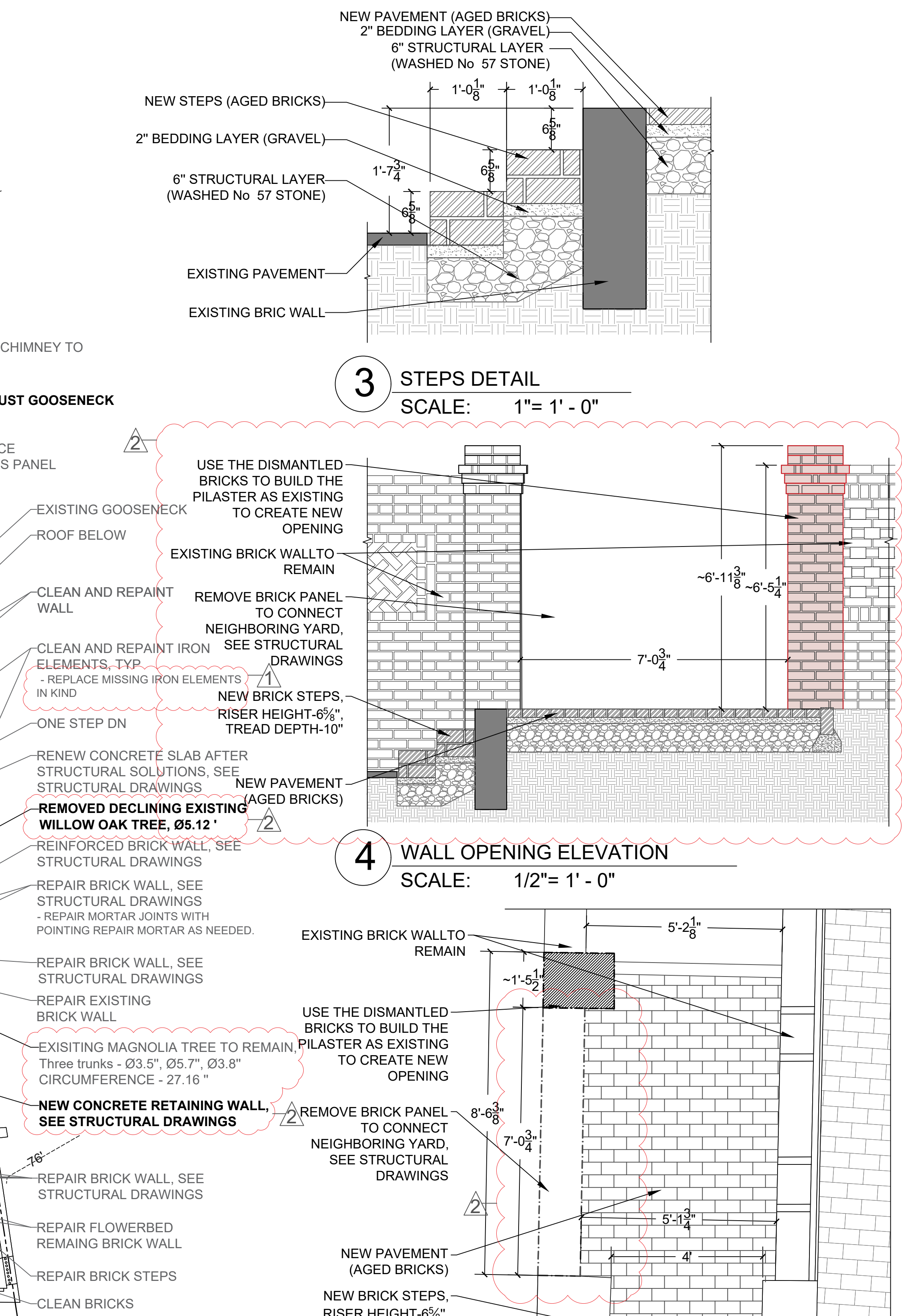
LIFE SAFETY AND FIRE PROTECTION

REFER TO BUILDING STANDARDS

EXTERIOR

POWER WASH ALL EXTERIOR PAVERS

<div>ATELIER MjK</div> <div>1875 CONNECTICUT AVENUE, 10TH FLOOR WASHINGTON, D.C., 20009 (202)-643-3995</div> <div><div>ECO</div><div>JaunRīga</div><div>DUNTES IELA 28-3, RĪGA, LATVIA, LV-1005 REG NR. 40103680902 +371 26451630</div></div>	
<div>LATVIAN EMBASSY</div> <div>2304 MASSACHUSETTS AVE, NW, WASHINGTON, D.C., 20008</div>	
REVISIONS:	
△	
△	
△	
△	
△	
△	
DATE: 07/28/20	
SHEET NAME:	
GENERAL NOTES	
SHEET #:	
003	



Atelier MjK

ATELIER MjK

1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202) 463-3995

JaunRīga

ECO

DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY

2304 MASSACHUSETTS AVE,
NW
WASHINGTON, D.C.,
20008

REVISIONS:

1	02/16/21
2	03/24/21
3	
4	
5	

DATE:

07/28/20

SHEET NAME:

SITE PLAN

SHEET #:

004

GENERAL NOTES:

- *ALL EXISTING TREES TO REMAIN;
- *CLEAN BRICKS AND MASONRY BY POWER WASHING TO REMOVE DIRT AND MOSS/ALGAE + REPAINT;
- *CONFIRM ALL DIMENSIONS BEFORE STARTING CONSTRUCTION OR BEFORE ORDERING MATERIALS;
- *FOR ANY WORK BEING DONE IN THE SRZ ALL WORK WILL NEED TO BE DONE BY HAND AND NO ROOTS ARE TO BE DISTURBED;
- *KEEP HEAVY MACHINERY AND EQUIPMENT OUT OF RAISED PLANTER BEDS;
- *MAGNOLIA NEAR WILLOW OAK TO BE KEPT WET USING A SOAKER HOSE;
- *TREE PROTECTION FENCING - EACH TREE BEING PRESERVED SHALL HAVE FENCING ERRECTED TO PROTECT THE TREE PRESERVATION AREA DETERMINED BY THE PROJECT ARBORIST. FENCING SHOULD BE STURDY, ANCHORED IN THE GROUND AND HIGHLY VISIBLE TO DISCOURAGE ENTRY OR DISTURBANCE. PLASTIC FENCING IS NOT ACCEPTABLE, BELOW ARE ACCEPTABLE MATERIALS TO BE USED, BUT NOT LIMITED TO THE FOLLOWING:
 - TREE PROTECTION FENCING THAT IS CHAIN LINK, 6' TALL ON 2" GALVANIZED POLES DRIVEN 2' INTO THE GROUND. SEE DETAIL.
 - WELDED WIRE OR WIRE MESH FENCE, 6' TALL ON 8" METAL T-POSTS DRIVEN 2' INTO THE GROUND.
- *TREE SIGNAGE - TREE SIGNAGE SHALL BE INSTALLED ON THE CHAIN LINK OR WELDED WIRE FENCE EVERY 20 FEET. TREE PROTECTION SIGNED SHALL BE IN ENGLISH AND SPANISH, CLEARLY STATING NO ENTRY, TREE PRESERVATION AREA.

*ROOT PROTECTION MATTING - ROOT PROTECTION MATTING IS USED TO PRESERVE THE SOIL AROUND TREES FROM COMPACTION. THIS TYPE OF PROTECTION HELPS DISPERSE THE LOAD FROM FOOT AND VEHICULAR TRAFFIC THAT CANNOT BE KEPT OUTSIDE THE CRZ/SRZ FOR THE DURATION CONSTRUCTION. BELOW ARE ACCEPTABLE MEASURES FOR MITIGATING SOIL COMPACTION, BUT ARE NOT LIMITED TO THE FOLLOWING:

- APPLYING 8 TO 12 INCHES OF WOOD CHIP MULCH ON GEOTEXTILE FABRIC. WOOD CHIPS MAY NEED TO BE REPLENISHED TO MAINTAIN THICKNESS. THIS SOLUTION IS SUITABLE FOR LIGHT EQUIPMENT/FOOT TRAFFIC.
- LAYING ¾ INCH MINIMUM THICKNESS PLYWOOD OR ALTERNAMATS OVER 6-8 INCH LAYER OF WOOD CHIP MULCH. THIS IS SUITABLE FOR HEAVY EQUIPMENT
- APPLYING 6 INCHES OF GRAVEL OVER A TAUT, STAKED, GEOTEXTILE FABRIC. THIS IS SUITABLE FOR HEAVY EQUIPMENT.

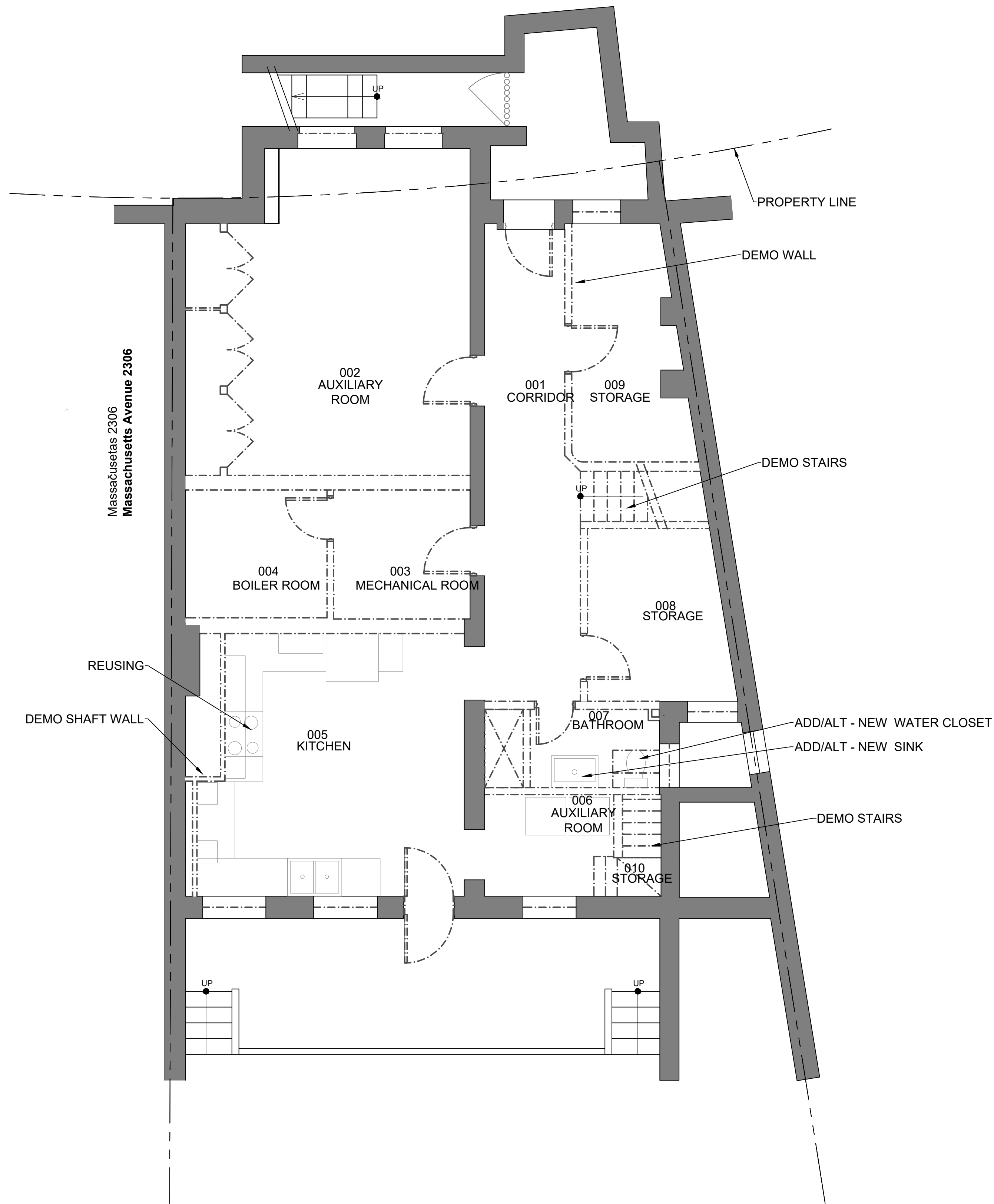
*ROOT PRUNING - AN AREA IN THE CRZ THAT HAS BEEN IDENTIFIED FOR ROOT PRUNING SHALL BE EXPOSED TO A PREDETERMINED LENGTH/DEPTH BY PNEUMATIC (AIR) EXCAVATION, HYDRAULIC (WATER) EXCAVATION OR HAND DIGGING. ANY ROOTS EXPOSED SHALL BE CLEANLY SEVERED BY USING A HAND SAW, CIRCULAR SAW, ROCK SAW, OR APPROVED EQUIVALENT. ALTERNATIVELY, ROOT PRUNING MAY BE PERFORMED WITH A VIBRATORY PLOW OR ANOTHER MECHANICAL METHOD APPROVED BY URBAN FORESTRY.

*PLANT HEALTH CARE - PLANT HEALTH CARE MEASURES CAN BE BENEFICIAL TO TREES THAT WILL BE PREDISPOSED TO CONSTRUCTION ACTIVITY. THESE TREATMENTS SHOULD BE IDENTIFIED BEFORE CONSTRUCTION AND MAY NEED TO BE IMPLEMENTED FOR A TOTAL OF 3 YEARS. THIS CAN INCLUDE, BUT NOT LIMITED TO, ANY OF THE FOLLOWING:

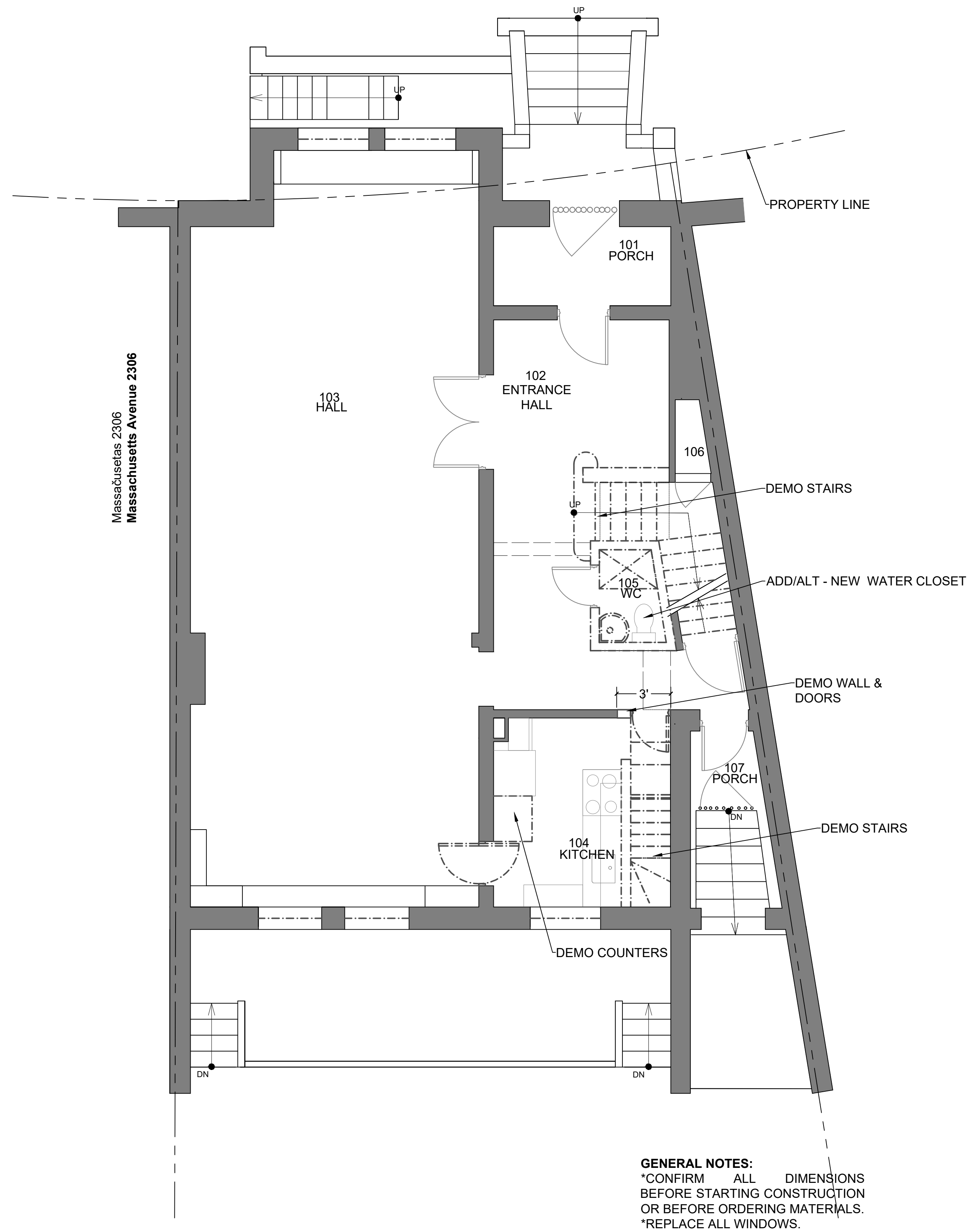
- 1 - IRRIGATION - PROVIDING SUPPLEMENTAL WATER TO TREES THAT HAVE GONE THROUGH ROOT LOSS MAY BE NEEDED. WATER NEEDS WILL VARY WITH SEASON & TREE SPECIES. PLEASE WORK WITH YOUR ARBORIST TO DEVELOP AN IRRIGATION PLAN. THIS CAN INCLUDE, BUT NOT LIMITED TO, ALL THE FOLLOWING APPLICATIONS:
 - TIMED DRIP IRRIGATION FROM ACCESSIBLE WATER SYSTEM
 - ROUTINE WATERING TRUCK TO APPLYING WATER TO A DEPTH OF 2-3 FEET EVERY PREDETERMINE VISIT
 - SOAKER HOSES OR BAGS, BASINS, AND SPRINKLERS CAN ALL BE USED TO DELIVER WATER
- 2 - ORGANIC MULCH - ORGANIC MULCH, SUCH AS WOOD CHIPS CAN BE EFFECTIVE WAY OF RETAINING SOIL MOISTURE, PROMOTING SOIL ORGANISMS, AND PROTECTING OR ALLEVIATING SOIL COMPACTION WITHIN THE TREE PRESERVATION AREA.
 - MULCH SHOULD BE APPLIED AND MAINTAINED AT A DEPTH OF 2-4 INCHES
 - MULCH FROM A KNOWN ALLELOPATHIC PLANT SHOULD BE AVOIDED
- 3 - PEST MANAGEMENT & SOIL AMENDMENTS - AFTER CONSTRUCTION TREES WILL BE MORE SUSCEPTIBLE TO PESTS, WOOD DECAY PATHOGENS, AND CANKERS. TO COMBAT THESE SECONDARY STRESSORS A TREATMENT PLAN MAY BE NEEDED. DEPENDING ON THE TREE SPECIES, AN INTEGRATED PEST MANAGEMENT PLAN CAN INCLUDE, BUT NOT LIMITED TO THE FOLLOWING TREATMENTS:
 - INSECTICIDES, MITICIDES, FUNGICIDES, BACTERICIDES, AND HERBICIDES. AMENDMENTS CAN INCLUDE, BUT NOT LIMITED TO THE FOLLOWING:
 - MYCORRHIZAE OR NITROGEN-FIXING BACTERIA, BIOCHAR, COMPOST, MANURE, AND COMPOST TEA

KEY:

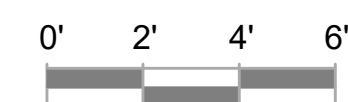
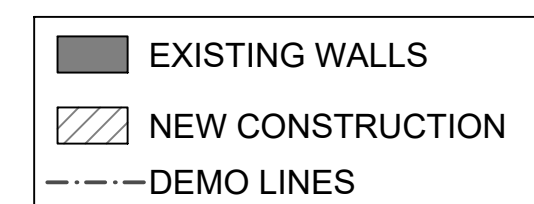
- EXISTING BUILDING TO REMAIN
- EXISTING CONCRETE PAVING
- EXISTING BRICK PAVING
- NEW CONSTRUCTION
- EXISTING TOPO LINE
- PROPERTY LINE
- CRITICAL ROOT ZONE
- STRUCTURAL ROOT ZONE



1 BASEMENT DEMO PLAN
SCALE: 1/4" = 1' - 0"



2 FIRST FLOOR DEMO PLAN
SCALE: 1/4" = 1' - 0"



Atelier MjK

ATELIER MjK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202) 643-3995

JaunRīga
DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE.,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△	
△	
△	
△	
△	
△	

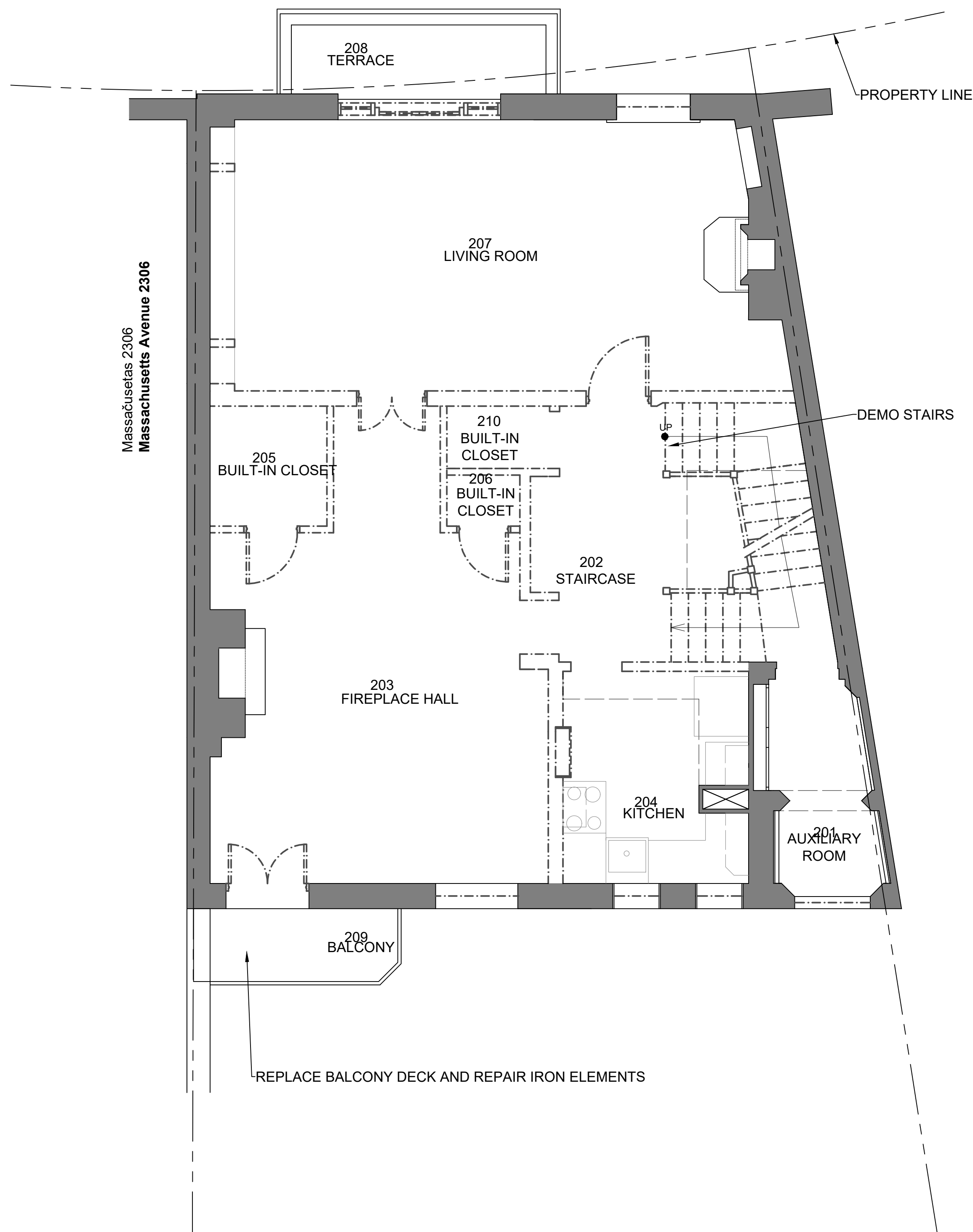
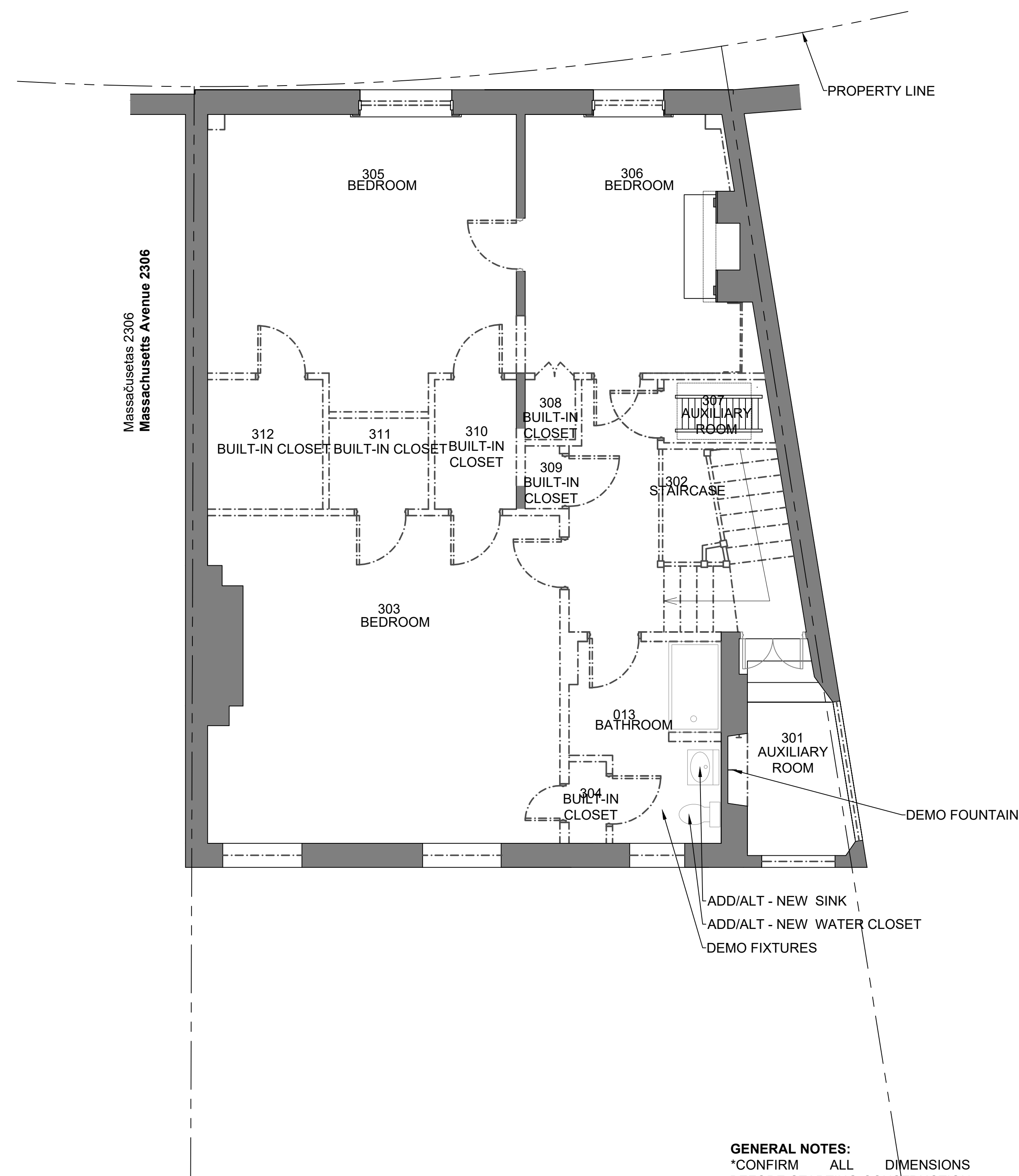
DATE: 07/28/20

SHEET NAME:

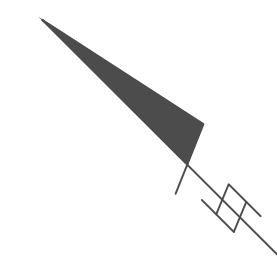
DEMO PLANS

SHEET #:

D-001



GENERAL NOTES:
*CONFIRM ALL DIMENSIONS
BEFORE STARTING CONSTRUCTION
OR BEFORE ORDERING MATERIALS.
*REPLACE ALL WINDOWS.



EXISTING WALLS
NEW CONSTRUCTION
DEMO LINES

1 SECOND FLOOR DEMO PLAN
SCALE: 1/4"= 1' - 0"

2 THIRD FLOOR DEMO PLAN
SCALE: 1/4"= 1' - 0"

Atelier MjK

ATELIER MjK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

JaunRīga
DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE.,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△	
△	
△	
△	
△	
△	

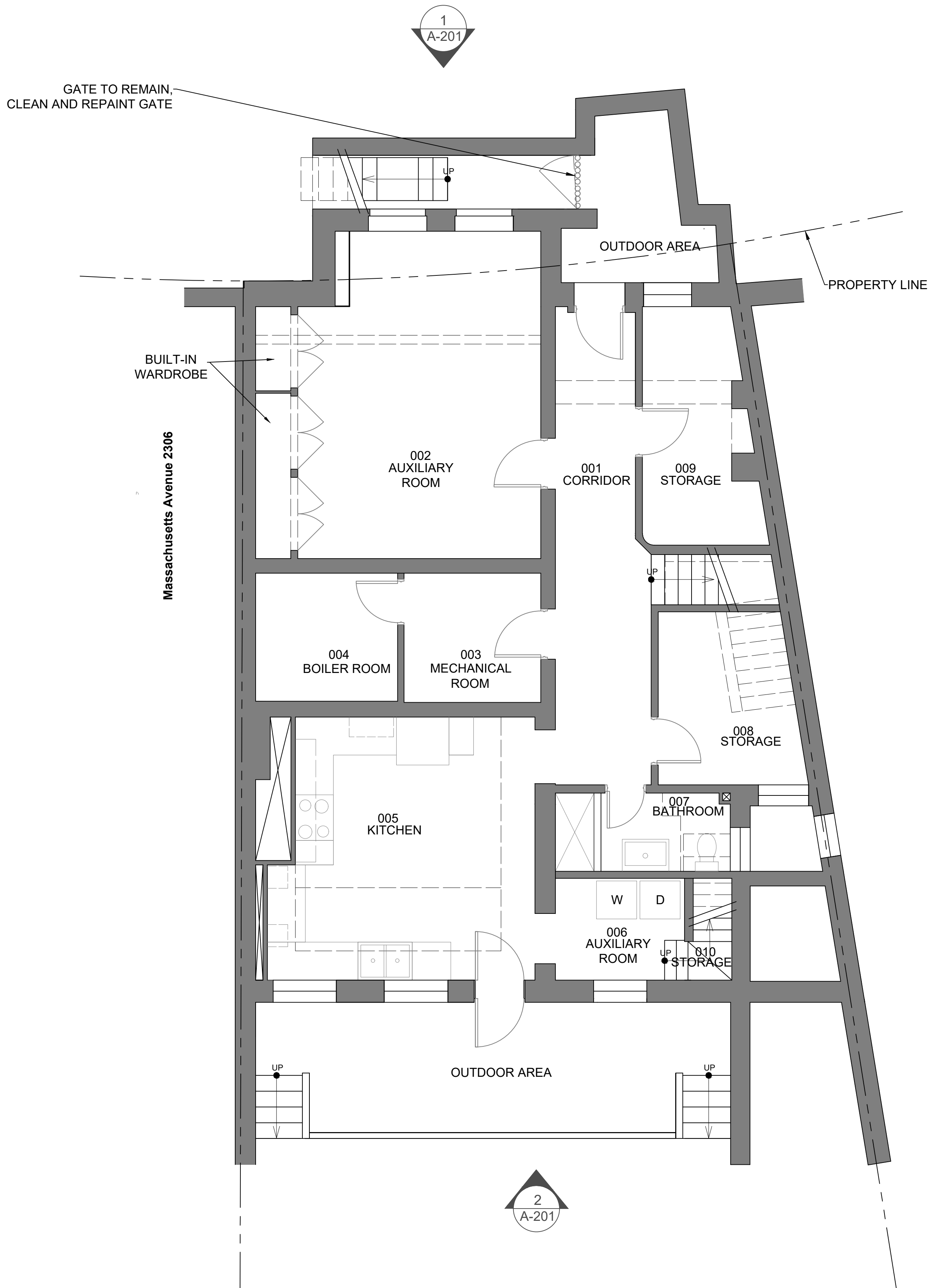
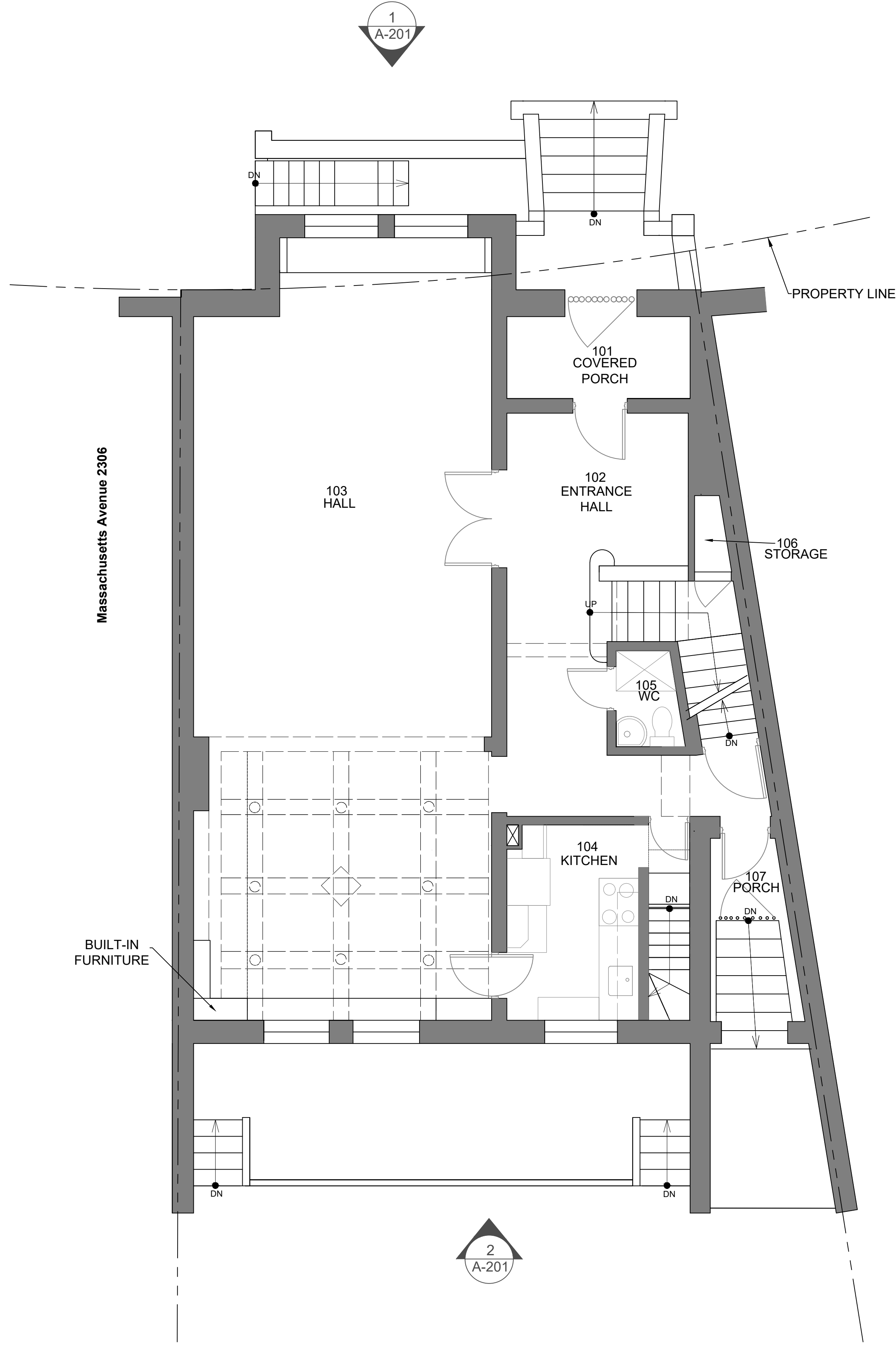
DATE: 07/28/20

SHEET NAME:

DEMO PLANS

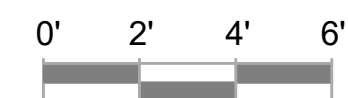
SHEET #:

D-002



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

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



KEY:

EXISTING WALLS

Atelier MjK

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

ECO
JaunRīga
DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG. NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE.,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△	
△	
△	
△	
△	
△	

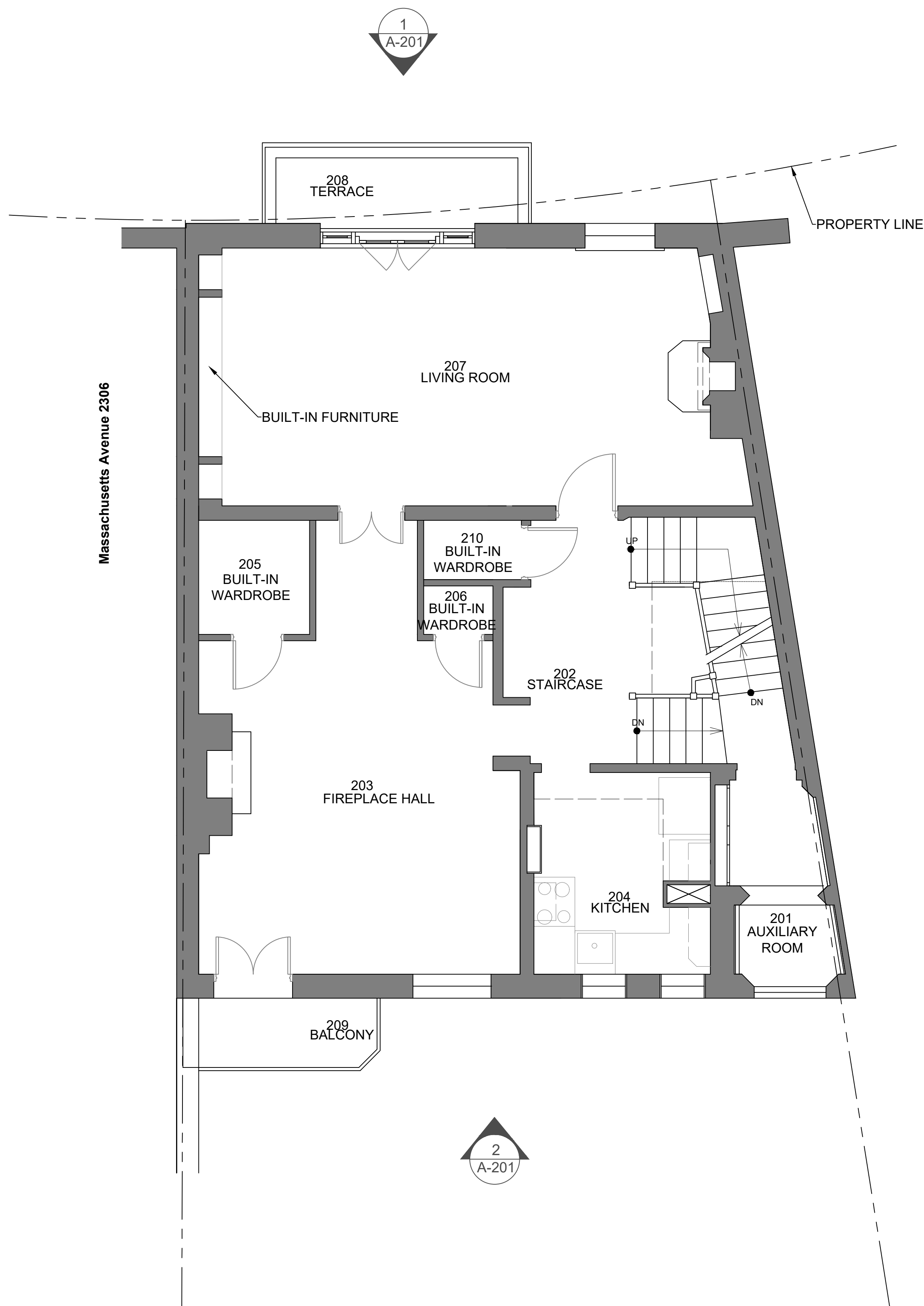
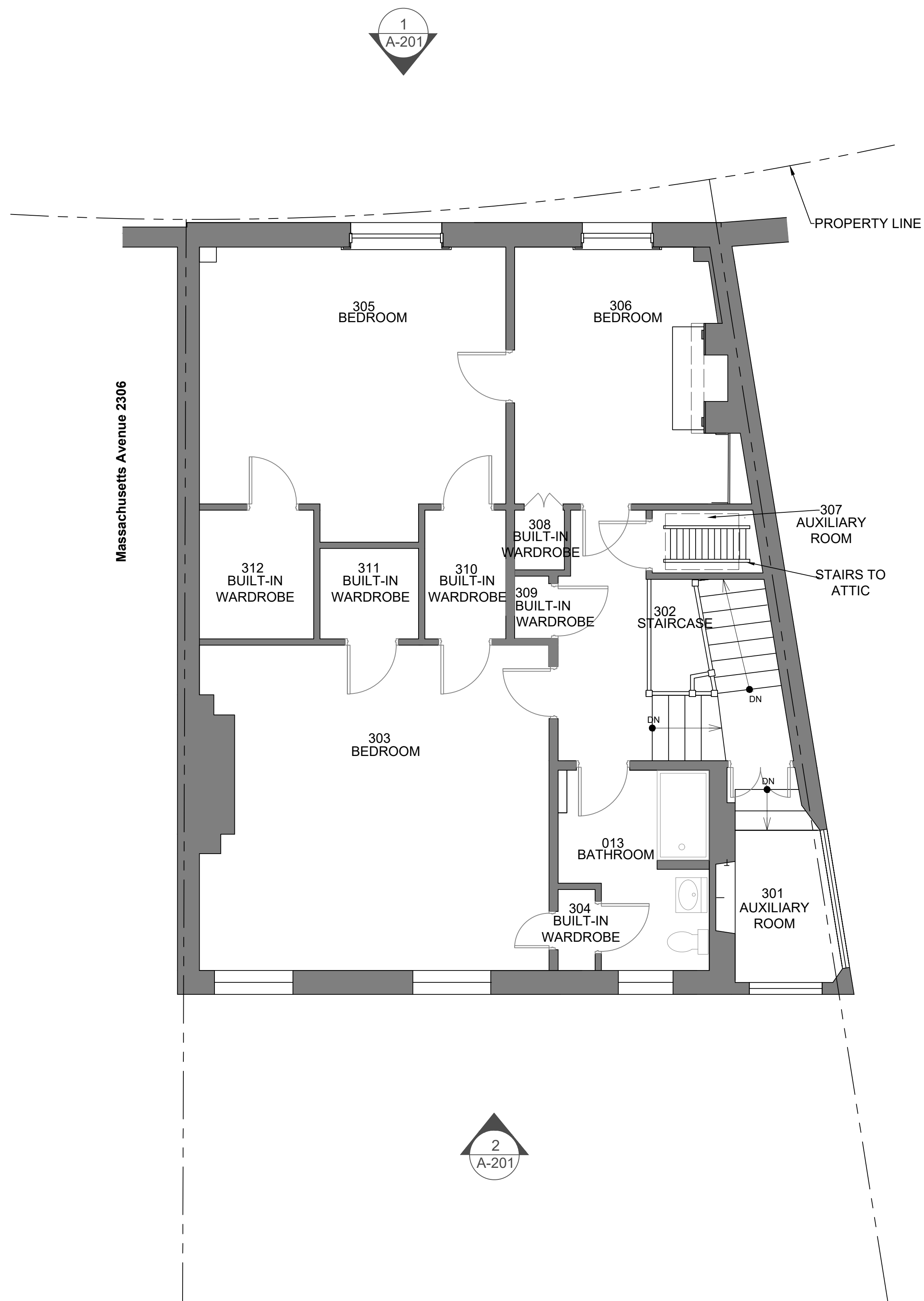
DATE: 07/28/20

SHEET NAME:

EXISTING FLOOR PLANS

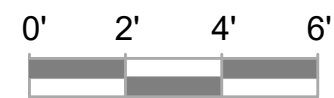
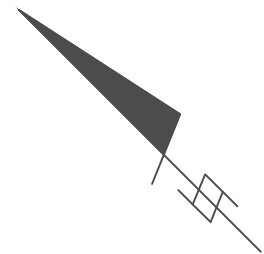
SHEET #:

A-101



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

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



KEY:

EXISTING WALLS

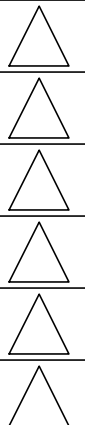
Atelier MjK

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

ECO
JaunRīga
DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG. NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE.,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:



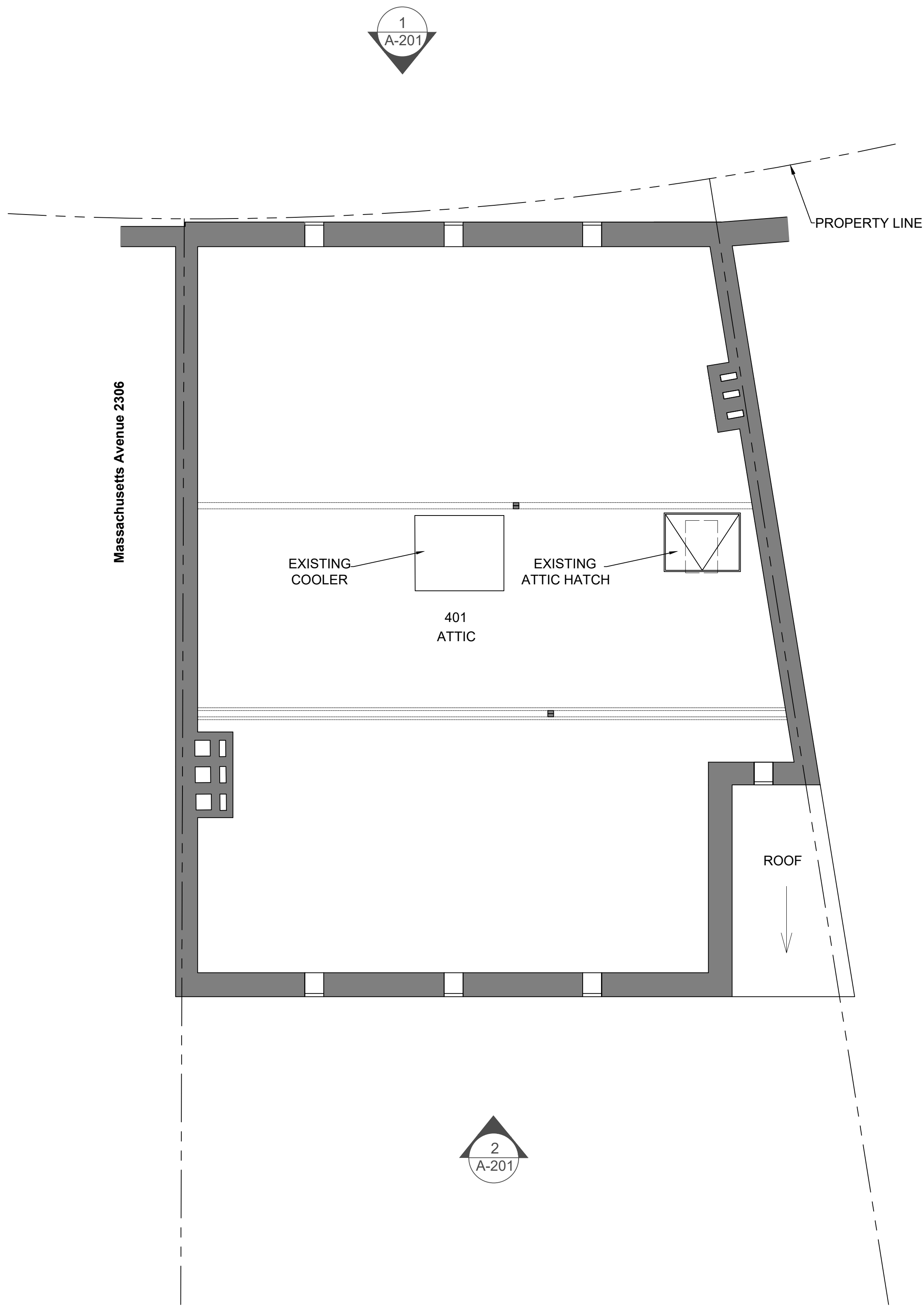
DATE: 07/28/20

SHEET NAME:

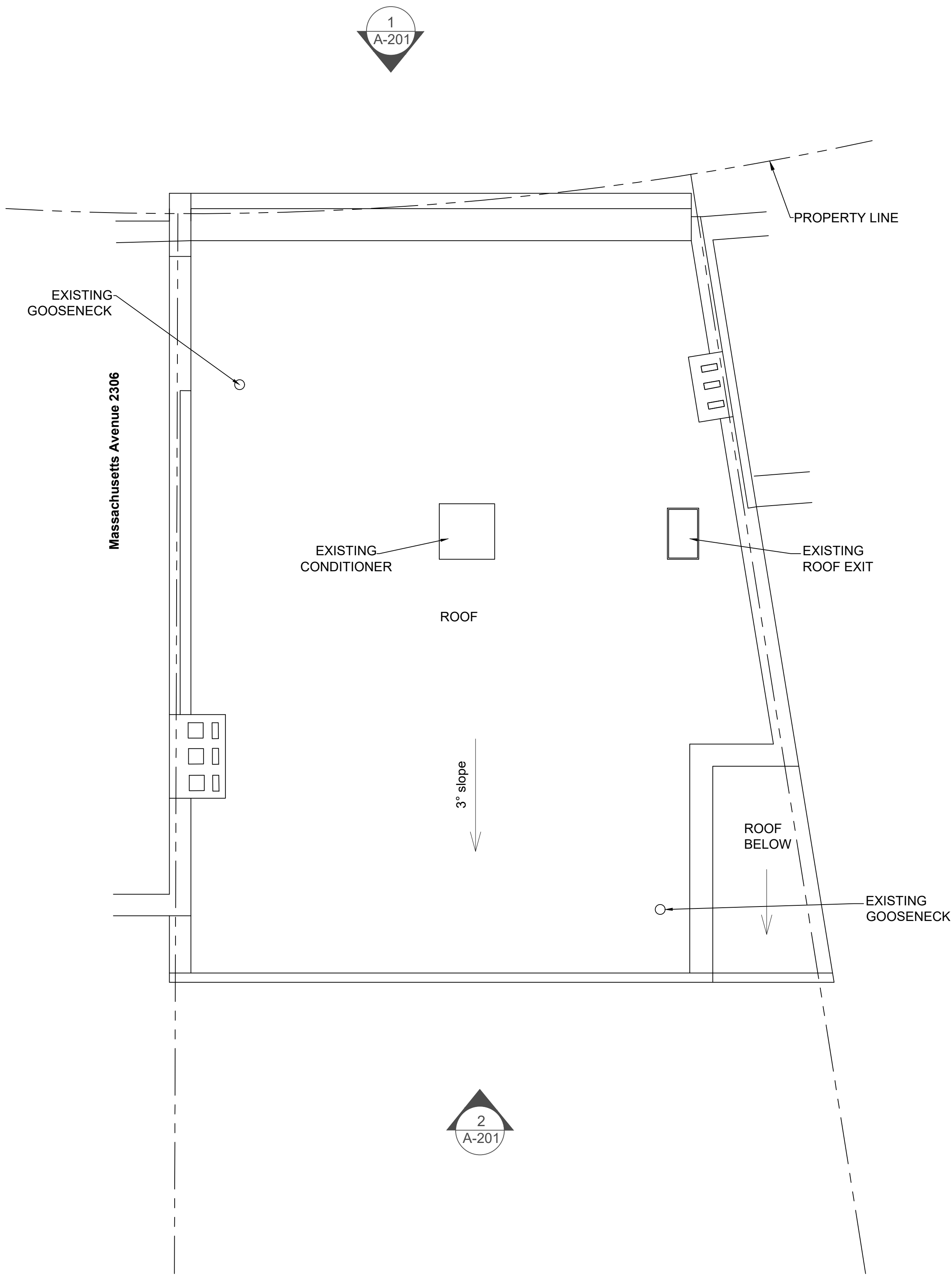
EXISTING FLOOR PLANS

SHEET #:

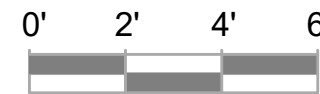
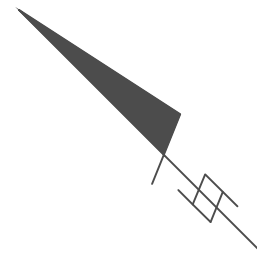
A-102



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



2 EXISTING ROOF PLAN
SCALE: 1/4"= 1' - 0"



KEY:

EXISTING WALLS

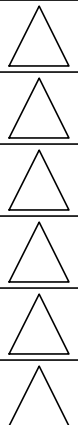
Atelier MjK

ATELIER MjK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

ECO
JaunRīga
DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:



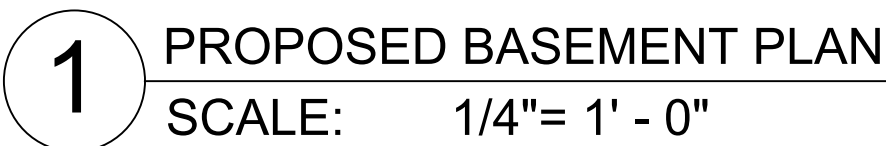
DATE: 07/28/20

SHEET NAME:

EXISTING FLOOR PLANS

SHEET #:

A-103



KEY

- EXISTING WALLS
- NEW CONSTRUCTION
- DOOR TAGS
- WINDOW TAGS
- WALL TAGS
- FIRE RATED
- EXIT ACCESS DISTANCE

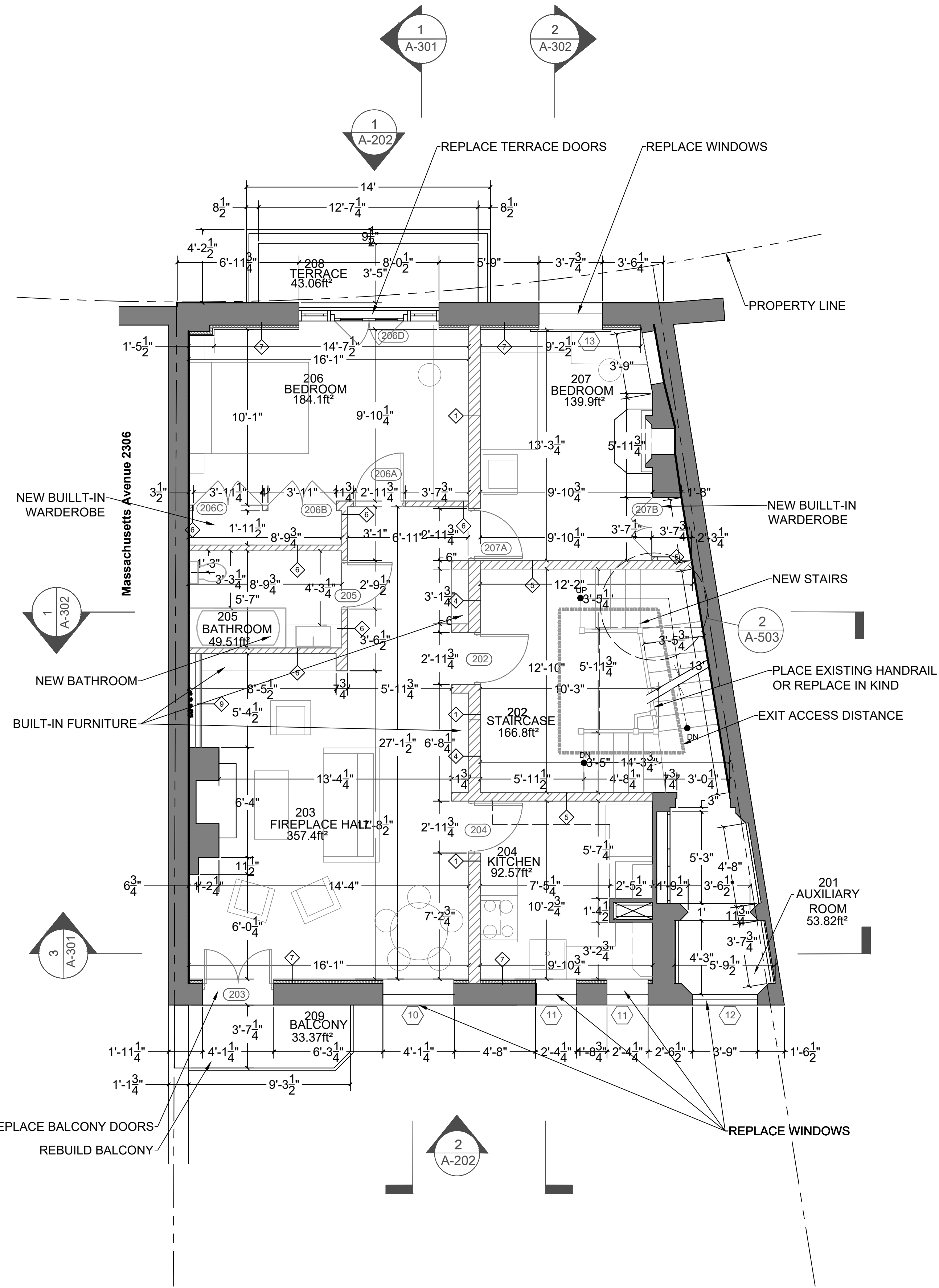
LATVIAN EMBASSY
2304 MASSACHUSETTS AVE.,
NW,
WASHINGTON, D.C.,
20008

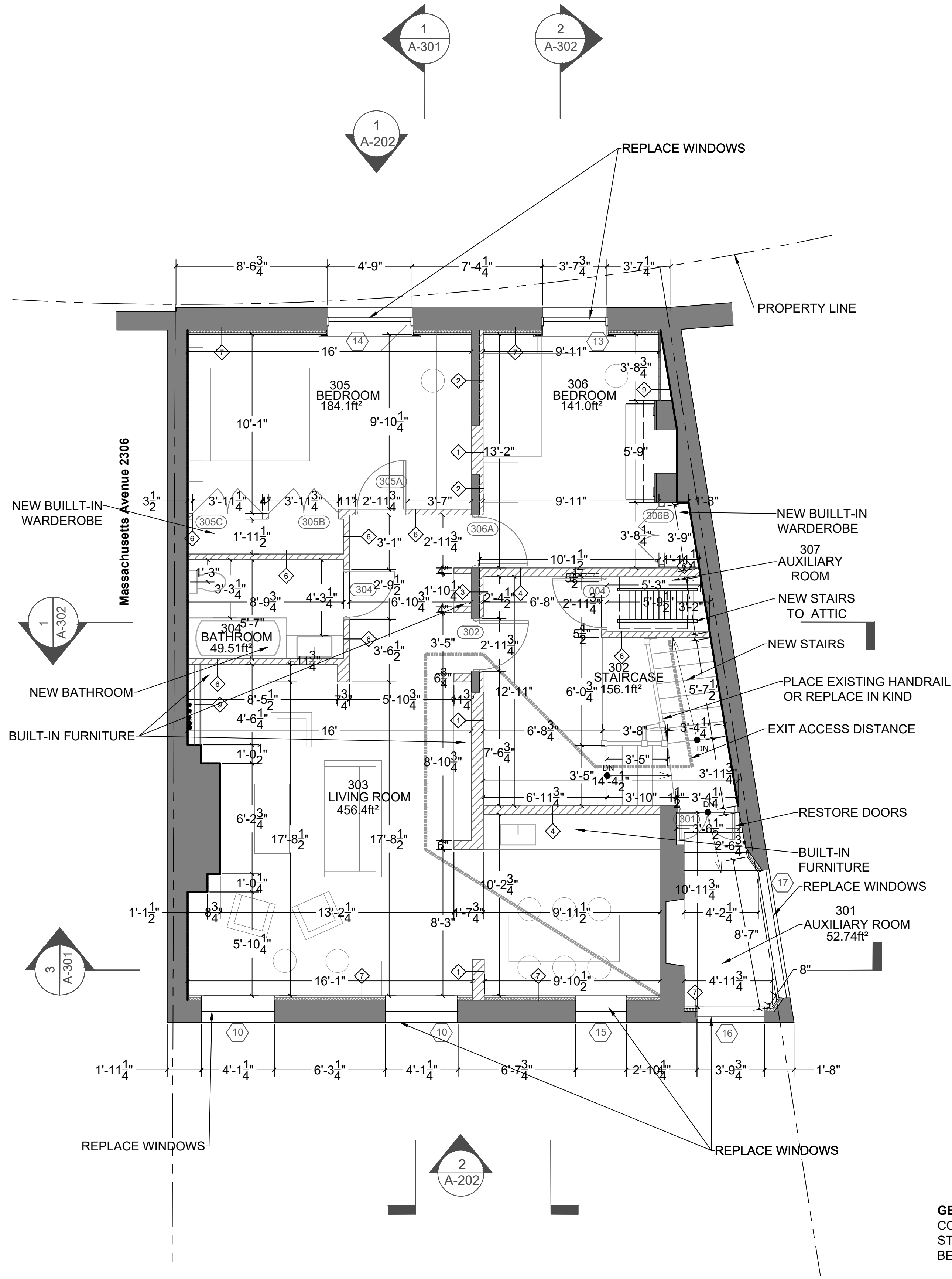
SHEET NAME:

SHEET #:

A-104



2 PROPOSED THIRD FLOOR PLAN
SCALE: 1/4"= 1' - 0"



GENERAL NOTES:
CONFIRM ALL DIMENSIONS BEFORE
STARTING CONSTRUCTION OR
BEFORE ORDERING MATERIALS.

- KEY:**
- EXISTING WALLS
 - NEW CONSTRUCTION
 - DOOR TAGS
 - WINDOW TAGS
 - WALL TAGS
 - FIRE RATED
 - EXIT ACCESS DISTANCE

Atelier MjK

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

JaunRīga
DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△	
△	
△	
△	
△	
△	

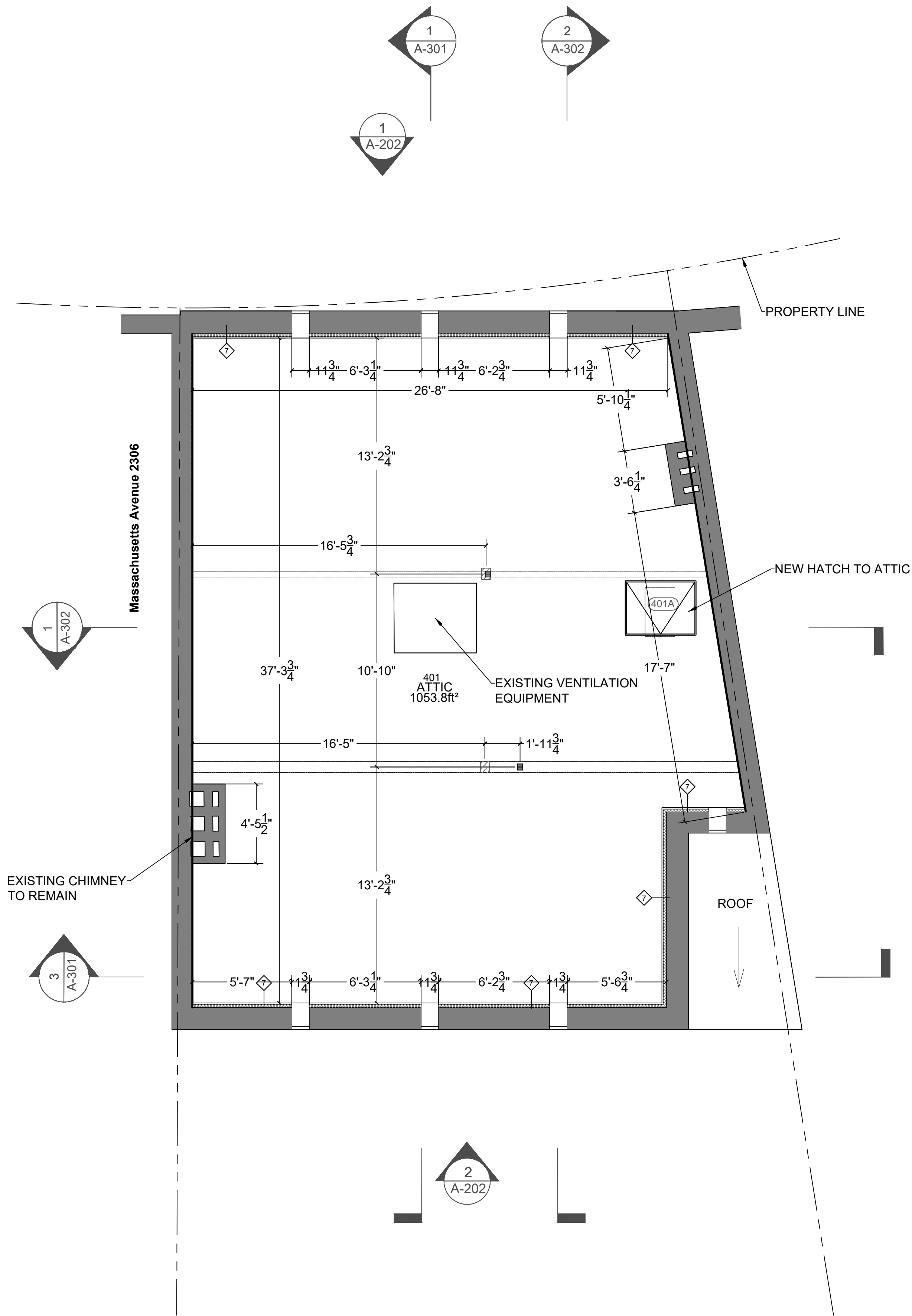
DATE: 07/28/20

SHEET NAME:

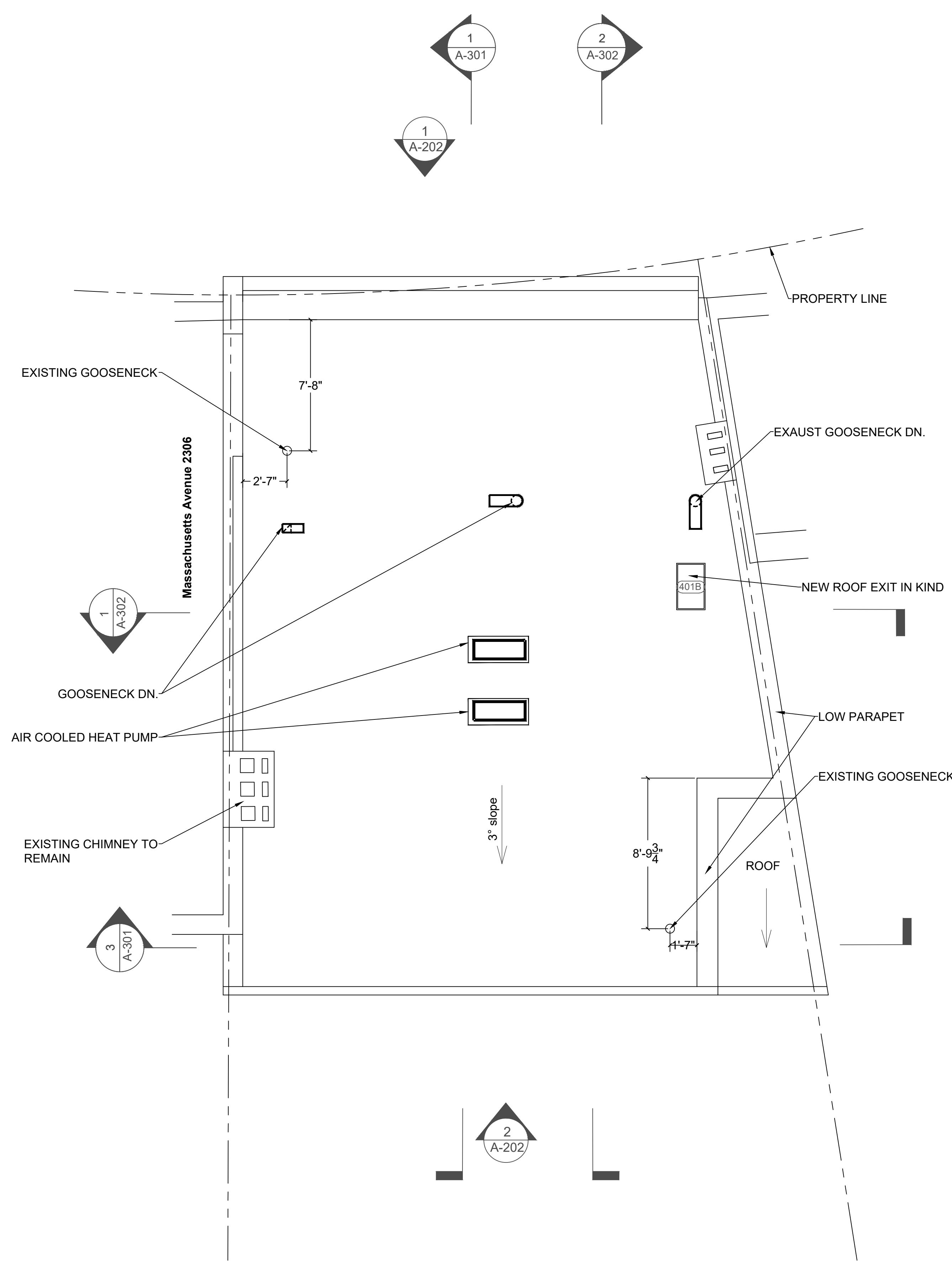
PROPOSED FLOOR PLANS

SHEET #:

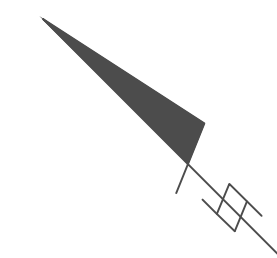
A-105



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



2 PROPOSED ROOF PLAN
SCALE: 1/4"= 1' - 0"



KEY:	
	EXISTING WALLS
	NEW CONSTRUCTION
	DOOR TAGS
	WINDOW TAGS
	WALL TAGS
	FIRE RATED

GENERAL NOTES:
CONFIRM ALL DIMENSIONS BEFORE
STARTING CONSTRUCTION OR
BEFORE ORDERING MATERIALS.

Atelier MjK

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

JaunRīga
DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

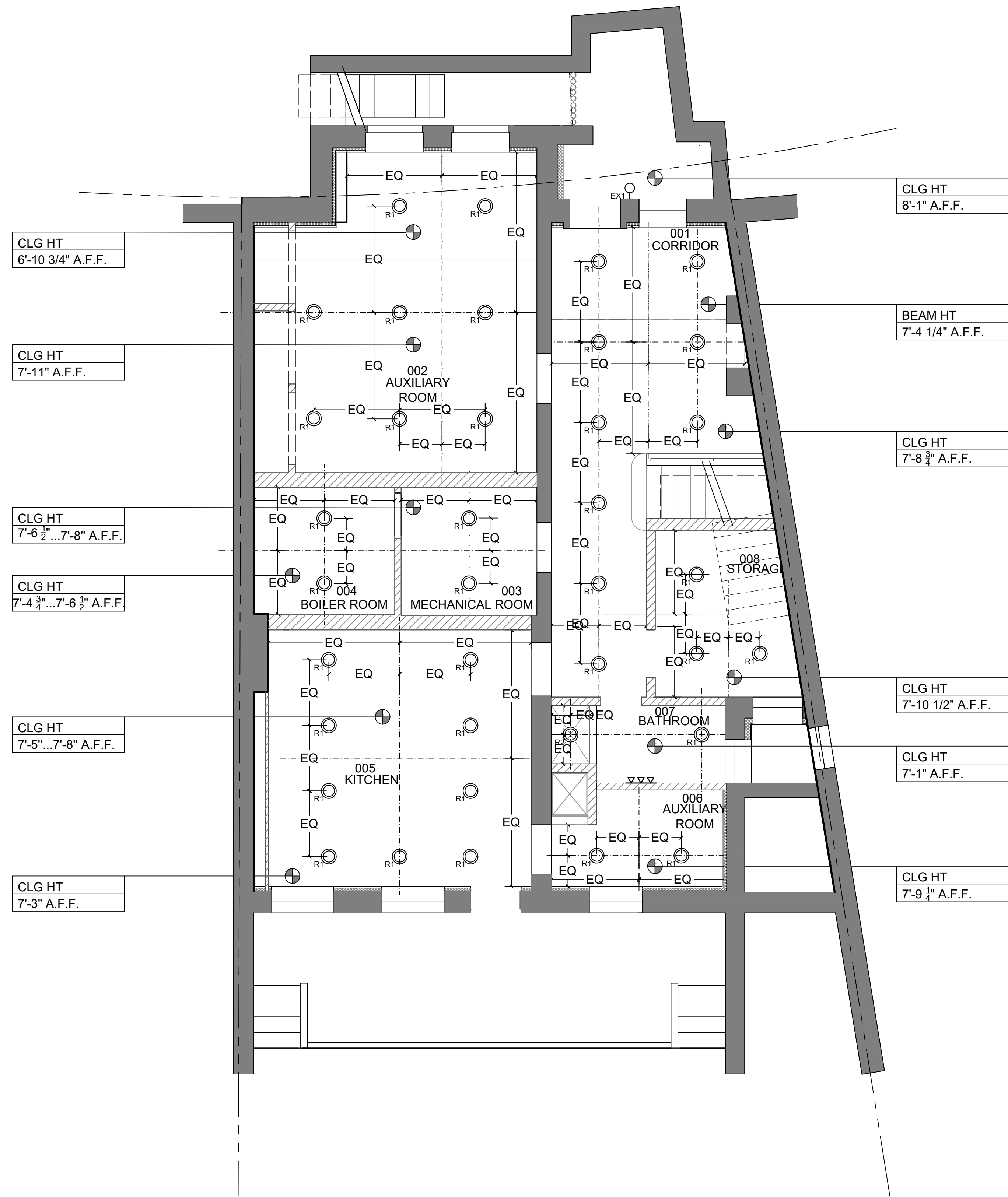
DATE: 07/28/20

SHEET NAME:

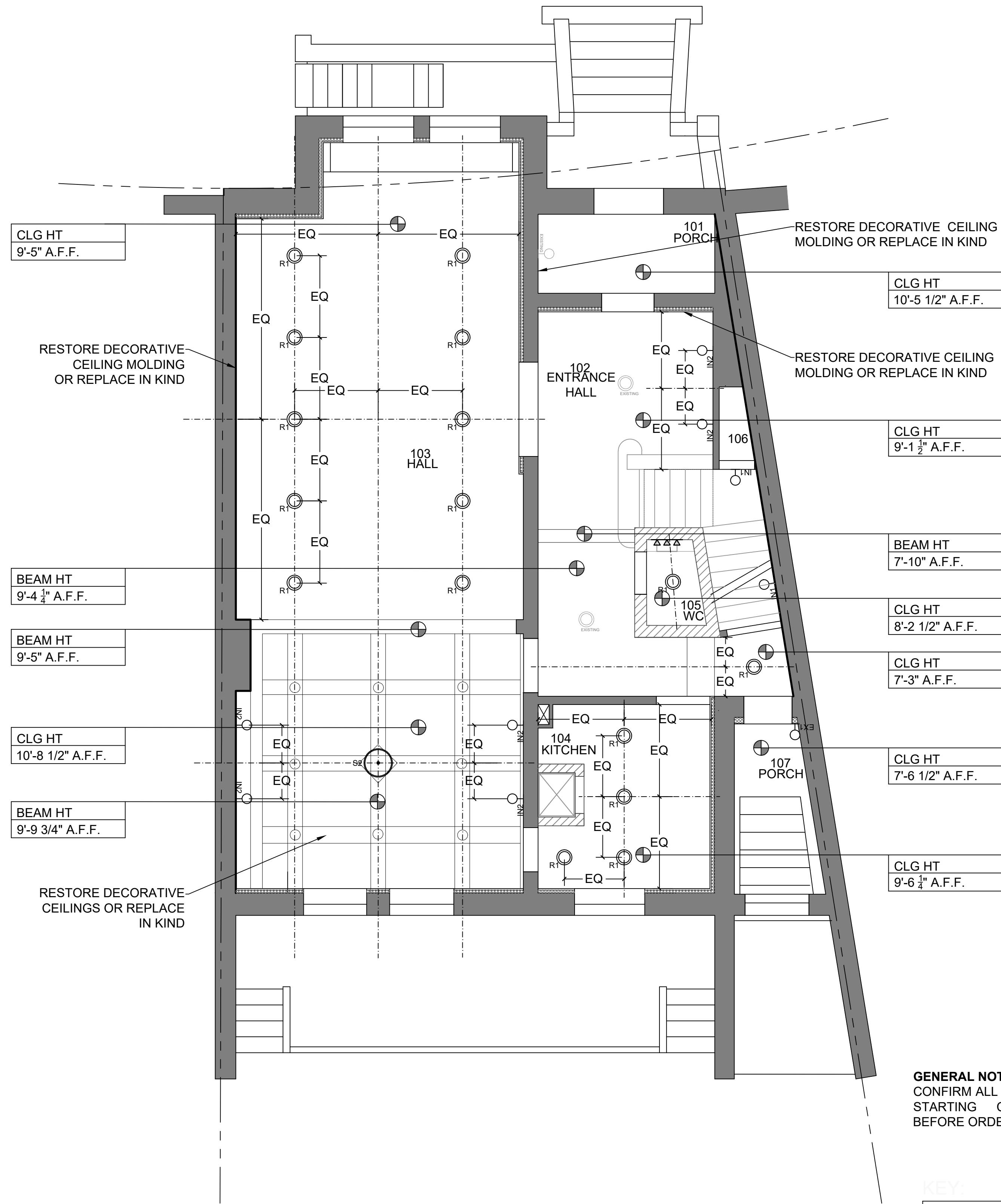
PROPOSED FLOOR PLANS

SHEET #:

A-106



1 PROPOSED BASEMENT RCP
SCALE: 1/4" = 1' - 0"



2 PROPOSED FIRST FLOOR PLAN RCP
SCALE: 1/4" = 1' - 0"



KEY

- RECESSED LIGHTING
- SHOWER LIGHT
- CEILING LIGHT
- VANITY LIGHT
- EXTERIOR SCONCE
- WALL LAMP
- EXISTING LAMP
- CENTERLINE

GENERAL NOTES:
CONFIRM ALL DIMENSIONS BEFORE
STARTING CONSTRUCTION OR
BEFORE ORDERING MATERIALS.

Atelier MJK

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

JaunRīga
DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△	
△	
△	
△	
△	
△	

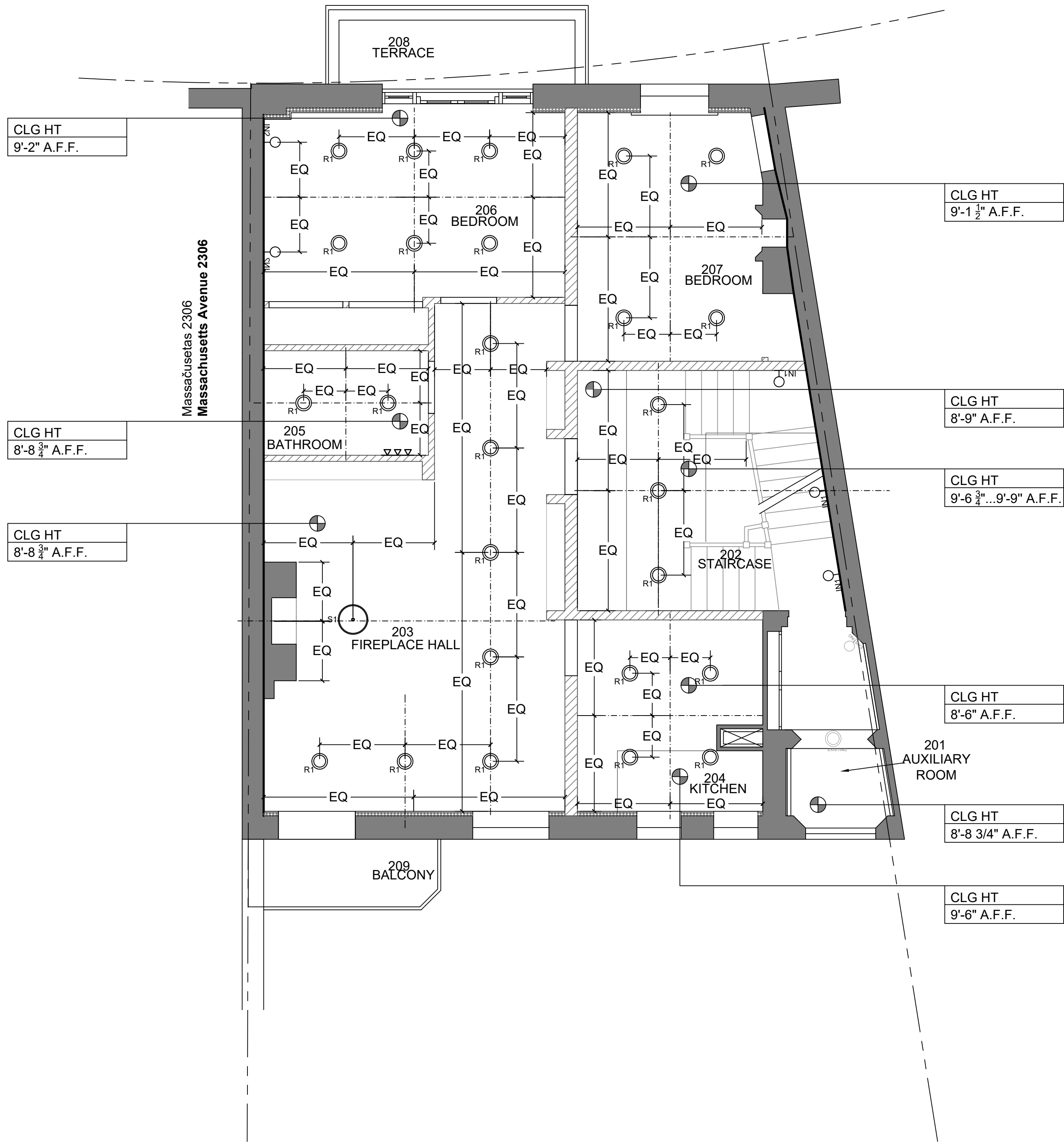
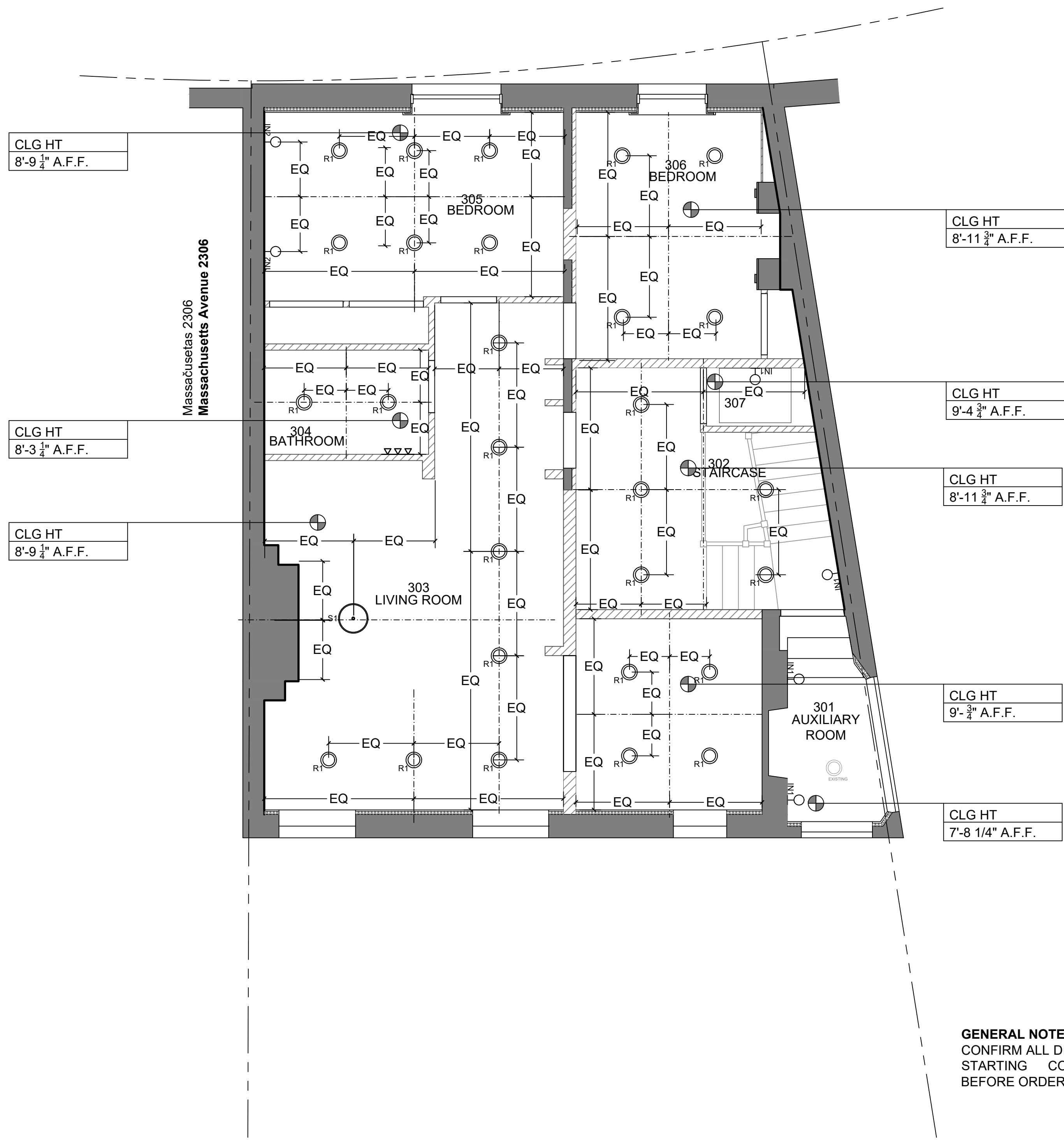
DATE: 07/28/20

SHEET NAME:

PROPOSED RCP

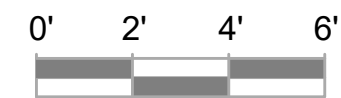
SHEET #:

A-154



1 PROPOSED SECOND FLOOR PLAN RCP
SCALE: 1/4" = 1' - 0"

2 PROPOSED THIRD FLOOR PLAN RCP
SCALE: 1/4" = 1' - 0"



GENERAL NOTES:
CONFIRM ALL DIMENSIONS BEFORE
STARTING CONSTRUCTION OR
BEFORE ORDERING MATERIALS.

KEY:

- RECESSED LIGHTING
- SHOWER LIGHT
- CEILING LIGHT
- VANITY LIGHT
- EXTERIOR SCONCE
- WALL LAMP
- EXISTING LAMP
- CENTERLINE

Atelier MjK

ATELIER MjK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

JaunRīga
DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG. NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE.,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△	
△	
△	
△	
△	
△	

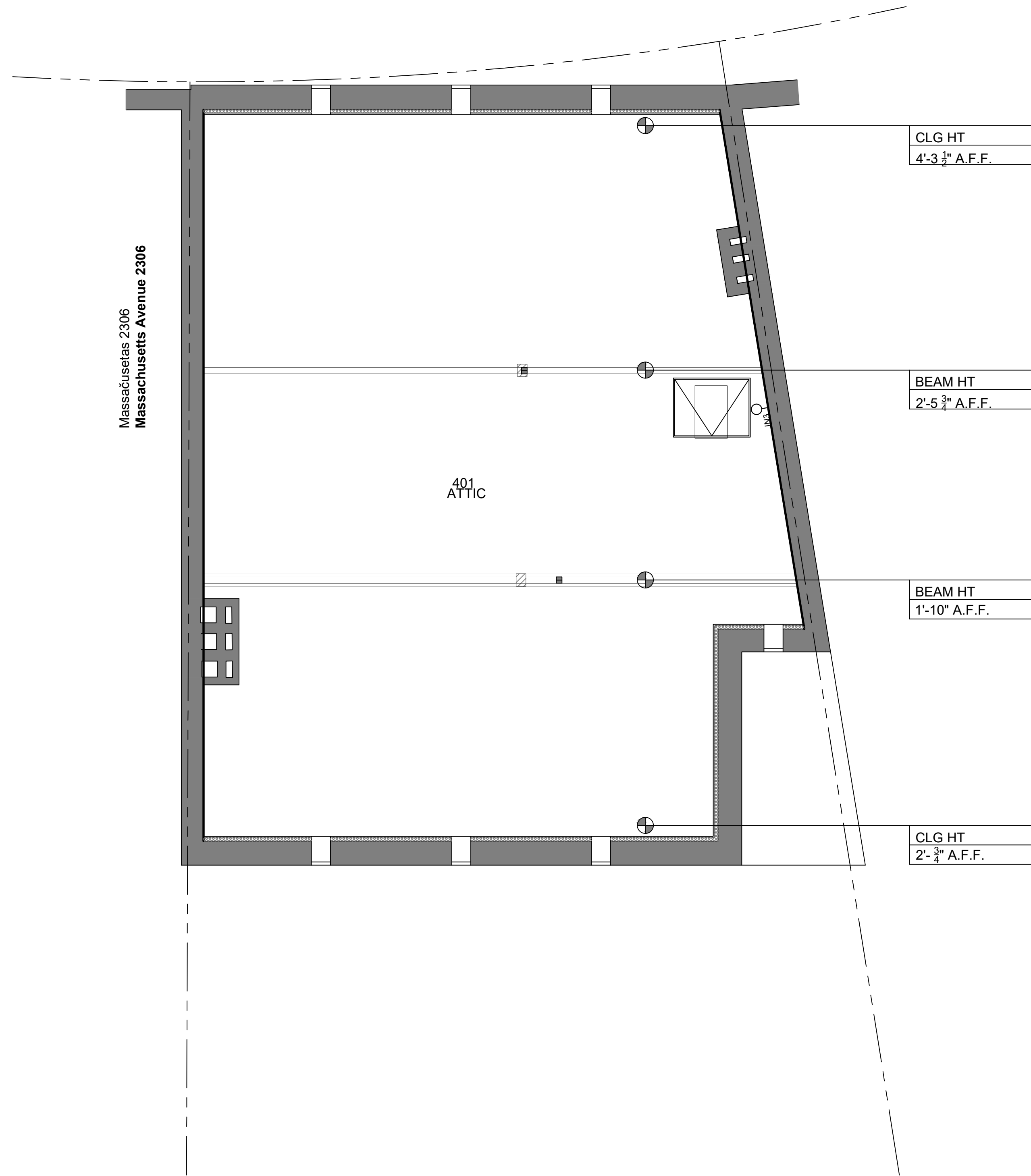
DATE: 07/28/20

SHEET NAME:

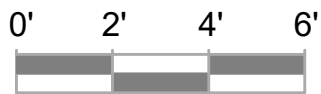
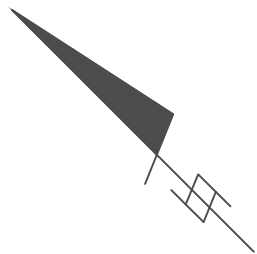
PROPOSED RCP

SHEET #:

A-155



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



GENERAL NOTES:
CONFIRM ALL DIMENSIONS BEFORE
STARTING CONSTRUCTION OR
BEFORE ORDERING MATERIALS.

KEY:

	RECESSED LIGHTING
	SHOWER LIGHT
	CEILING LIGHT
	VANITY LIGHT
	EXTERIOR SCONCE
	WALL LAMP
	EXISTING LAMP
	CENTERLINE

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

DUNTES IELA 28-3, RIGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

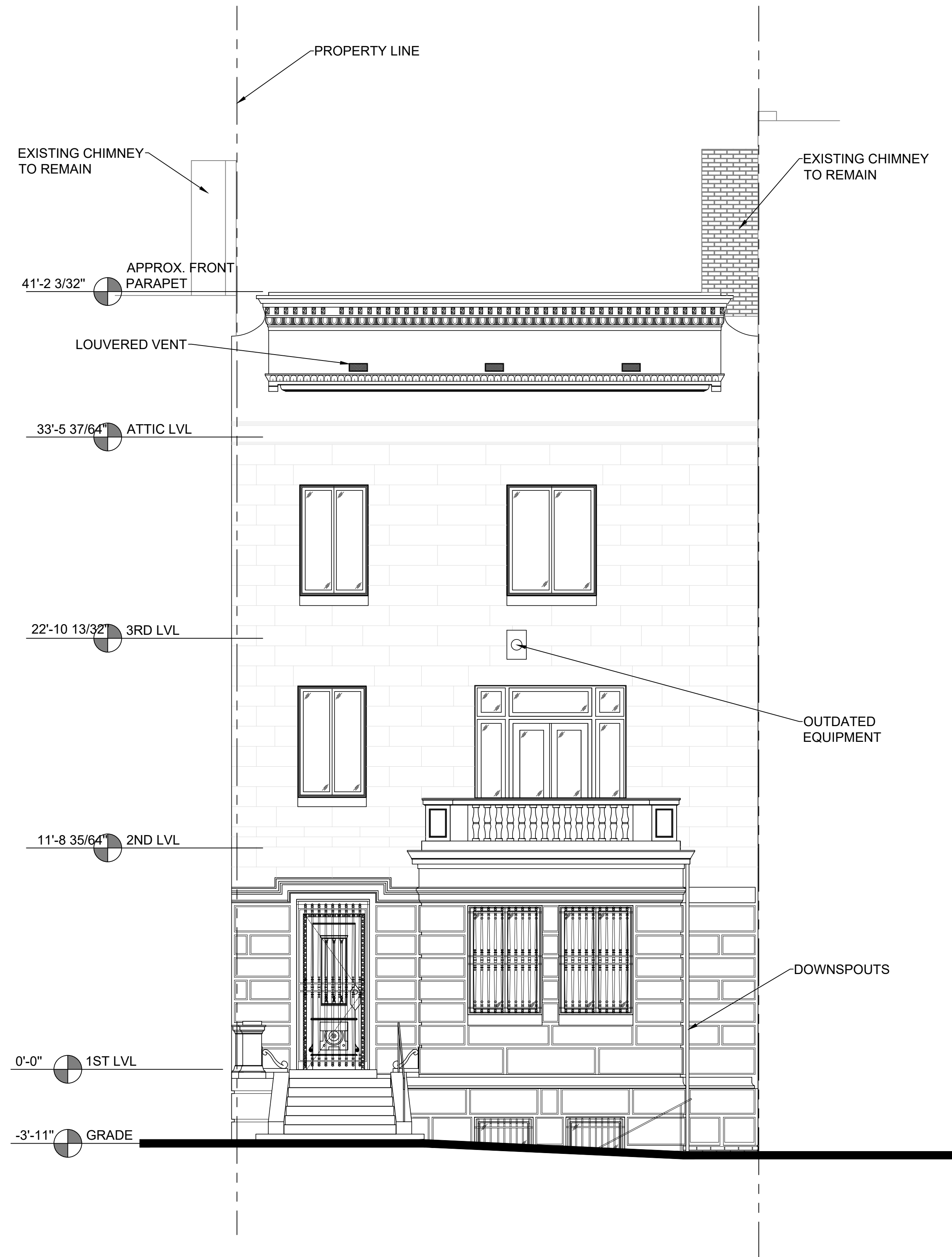
LATVIAN EMBASSY
2304 MASSACHUSETTS AVE,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

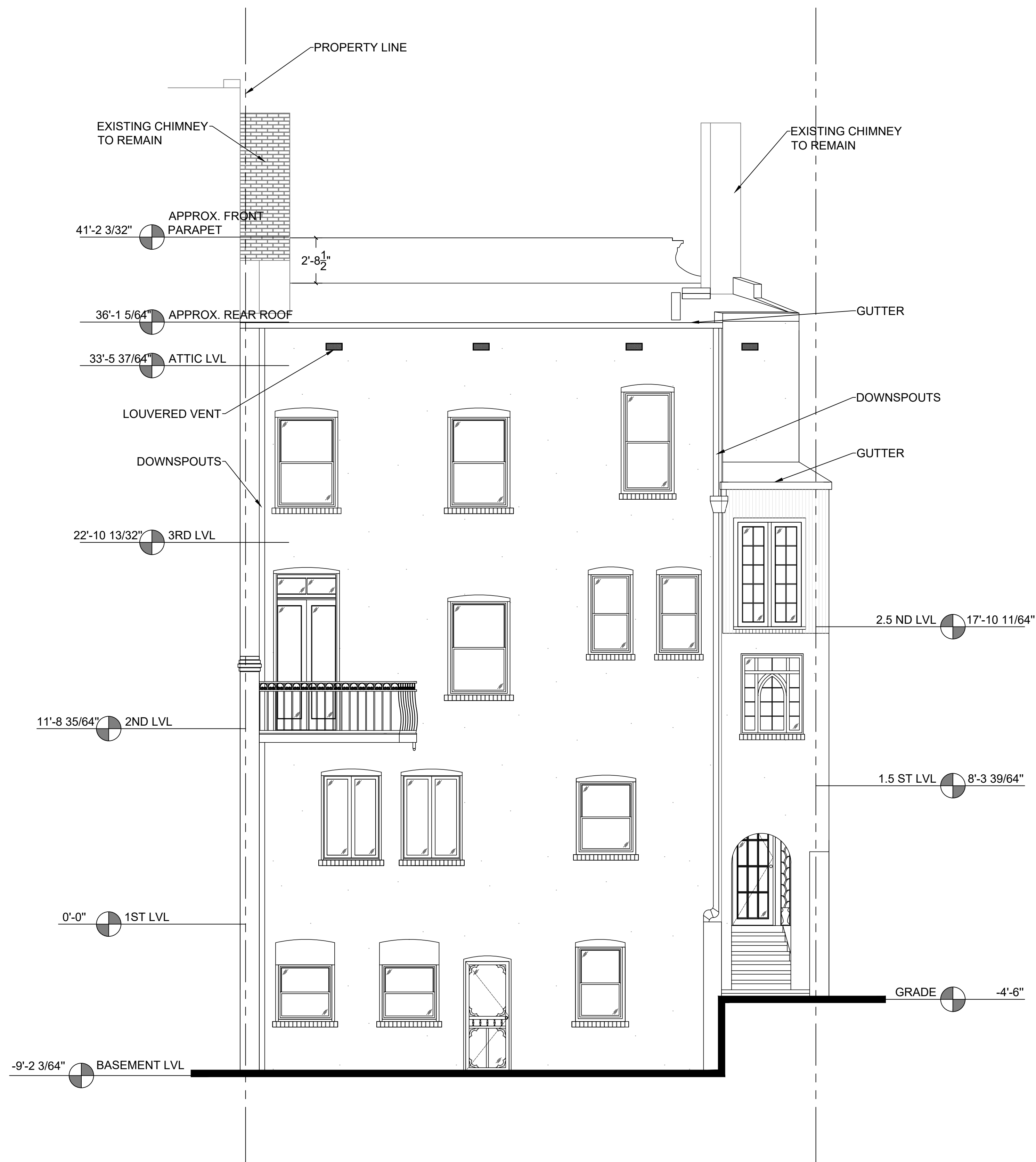
DATE: 07/28/20

SHEET NAME:
PROPOSED RCP

SHEET #:
A-156



1 EXISTING FRONT EXTERIOR ELEVATION
SCALE: 1/4" = 1' - 0"



2 EXISTING REAR EXTERIOR ELEVATION
SCALE: 1/4" = 1' - 0"

Atelier MjK

ATELIER MjK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

ECO
JaunRīga
DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG. NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE.,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△	
△	
△	
△	
△	
△	

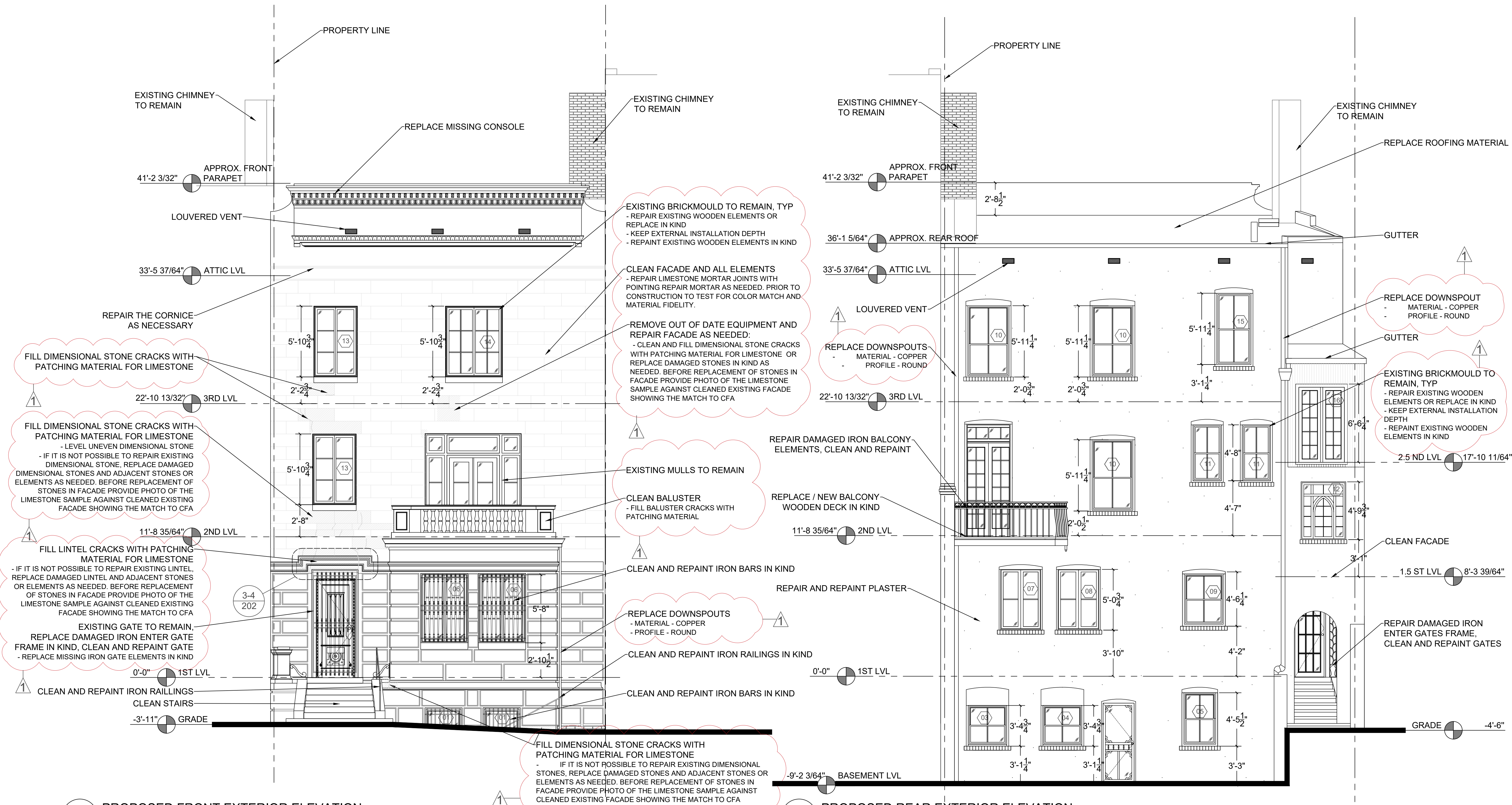
DATE: 07/28/20

SHEET NAME:

EXISTING EXTERIOR
ELEVATION

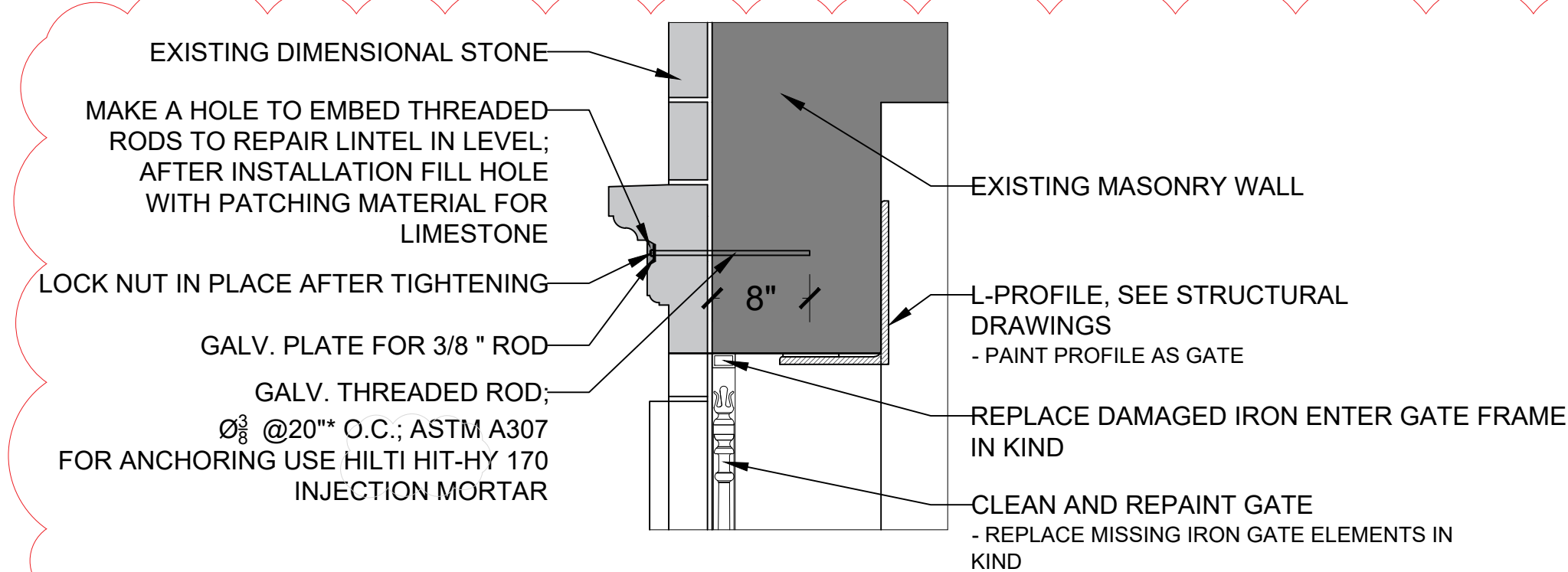
SHEET #:

A-201

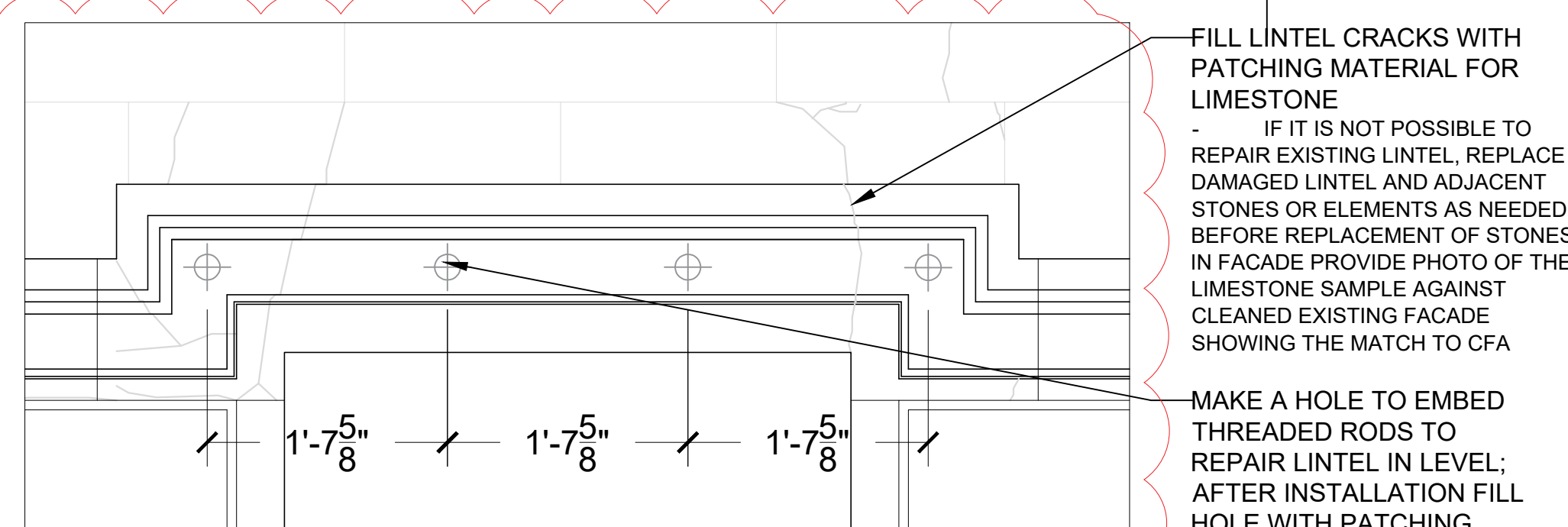


1 PROPOSED FRONT EXTERIOR ELEVATION
SCALE: 1/4" = 1' - 0"

2 PROPOSED REAR EXTERIOR ELEVATION
SCALE: 1/4" = 1' - 0"



3 LINTEL ABOVE ENTRANCE GATE SECTION
SCALE: 1" = 1' - 0"



4 LINTEL ABOVE ENTRANCE GATE
SCALE: 1" = 1' - 0"

GENERAL NOTES:
CONFIRM ALL DIMENSIONS BEFORE STARTING CONSTRUCTION OR BEFORE ORDERING MATERIALS.

THE FOLLOWING FAÇADE ELEMENTS ARE TO BE RESTORED IN-KIND BY A CERTIFIED MASONRY RESTORATION CONTRACTOR. PRIOR TO RESTORING APPEARANCE OF STONE, CORRECT STRUCTURAL ISSUES REGARDING STONE ATTACHMENT. PROVIDE A MOCKUP IN AN INCONSPICUOUS LOCATION TO BE APPROVED BY ARCHITECT OF THE FOLLOWING ELEMENTS PRIOR TO CONSTRUCTION TO TEST FOR COLOR MATCH AND MATERIAL FIDELITY:
FAÇADE PATCH B.O.D.: CATHEDRAL STONE PRODUCTS, M70 LIMESTONE PATCH MORTAR B.O.D.: CATHEDRAL STONE PRODUCTS, M110 POINT MORTAR

CLEAN ALL EXISTING FAÇADE STONES USING CATHEDRAL STONE PRODUCTS HEAVY DUTY CLEANER, BIO CLEANER OR OXIDATION REMOVER

Atelier MjK

ATELIER MjK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202) 643-3955

JaunRīga
DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

1	02/16/21
2	
3	
4	
5	
6	
7	

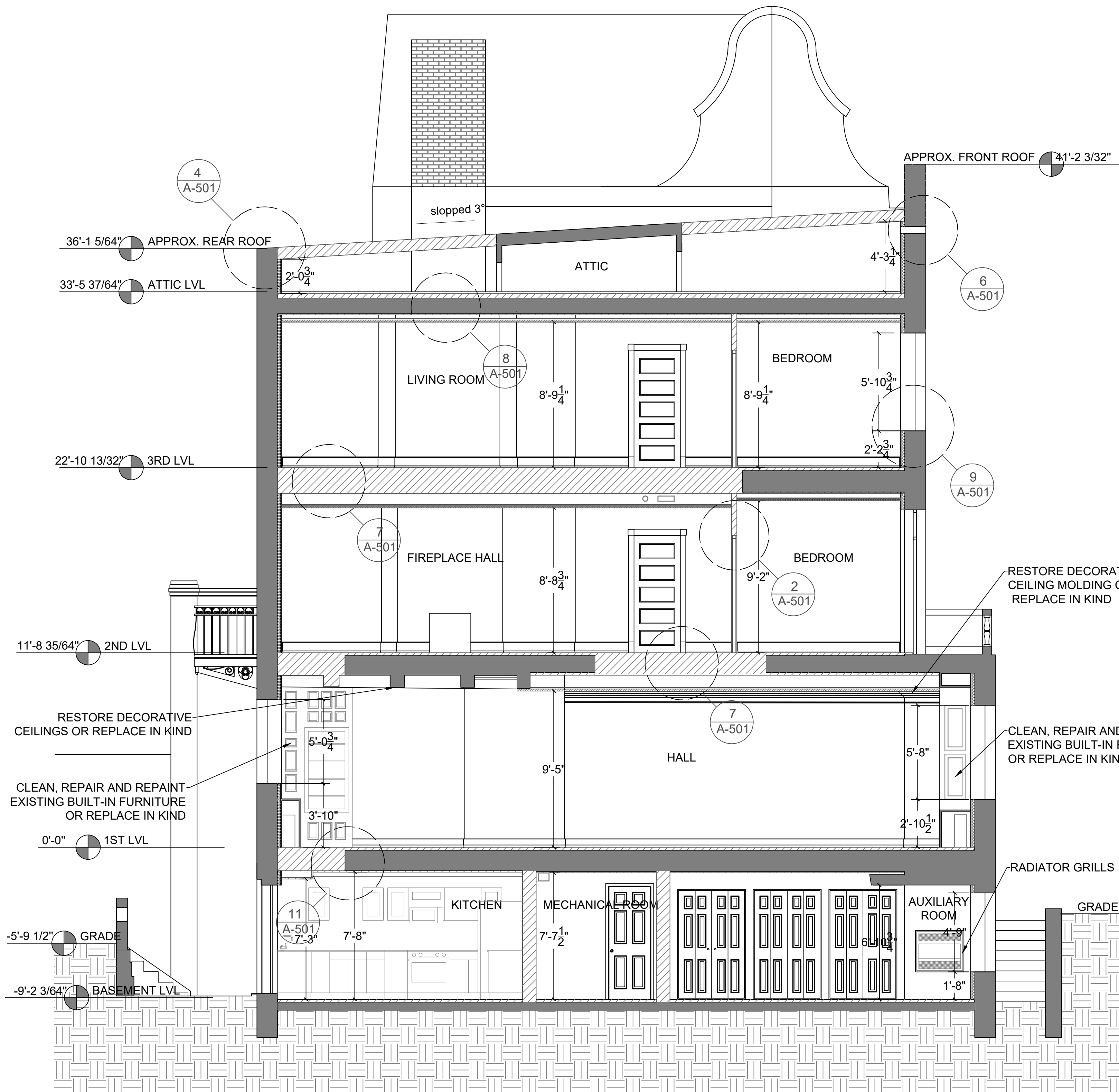
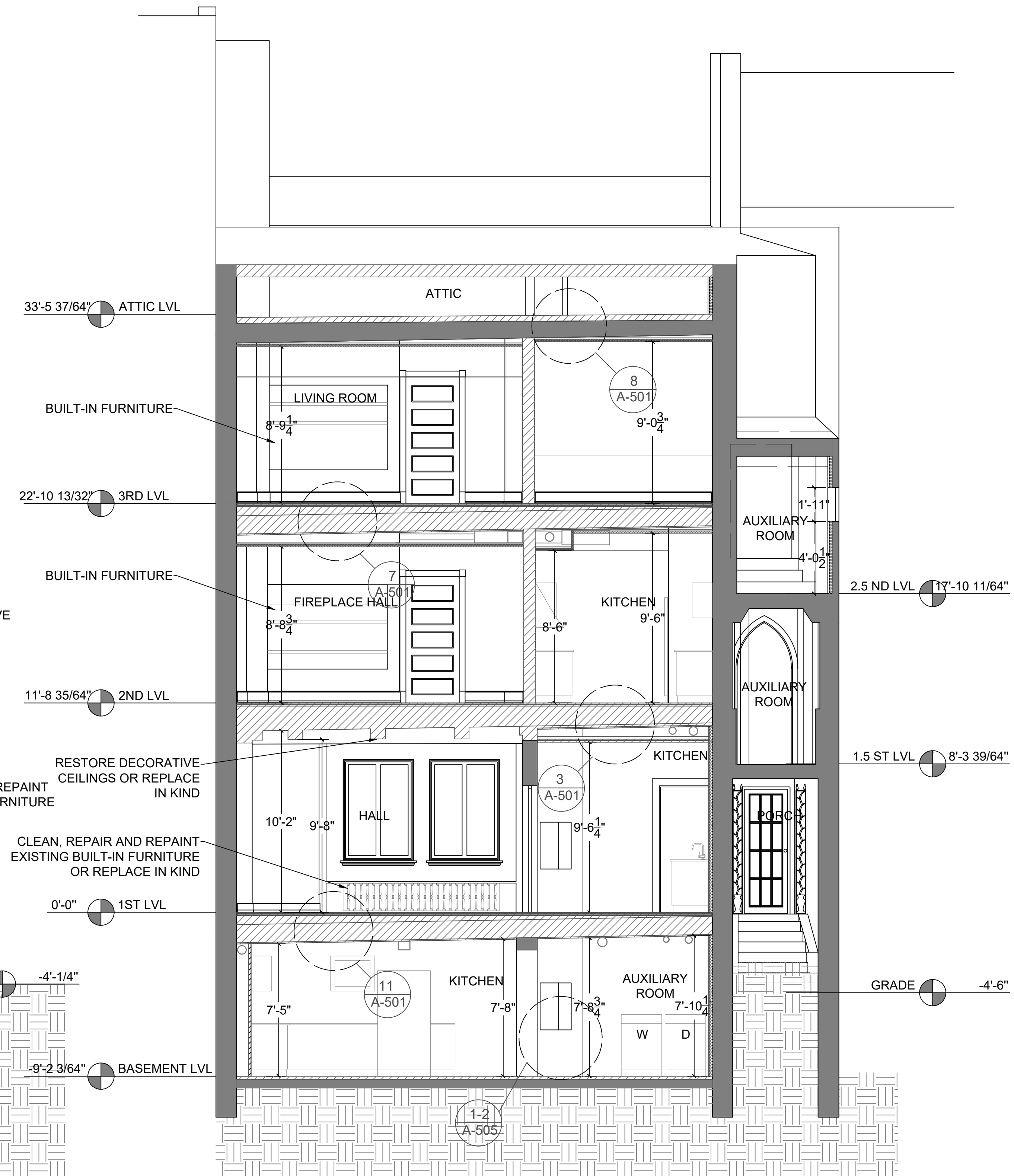
DATE: 07/28/20

SHEET NAME:

PROPOSED EXTERIOR
ELEVATION

SHEET #:

A-202



1 PROPOSED LONG SECTION
SCALE: 1/4"= 1' - 0"

2 PROPOSED CROSS SECTION
SCALE: 1/4"= 1' - 0"



GENERAL NOTES:
CONFIRM ALL DIMENSIONS BEFORE
STARTING CONSTRUCTION OR
BEFORE ORDERING MATERIALS.

KEY

- EXISTING WALLS
- NEW CONSTRUCTION

Atelier MJK

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202) 643-3995

JaunRīga
DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

DATE: 07/28/20

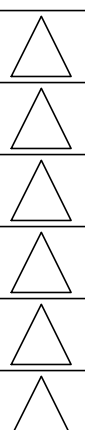
SHEET NAME:

PROPOSED SECTIONS

SHEET #:

A-301

REVISIONS:



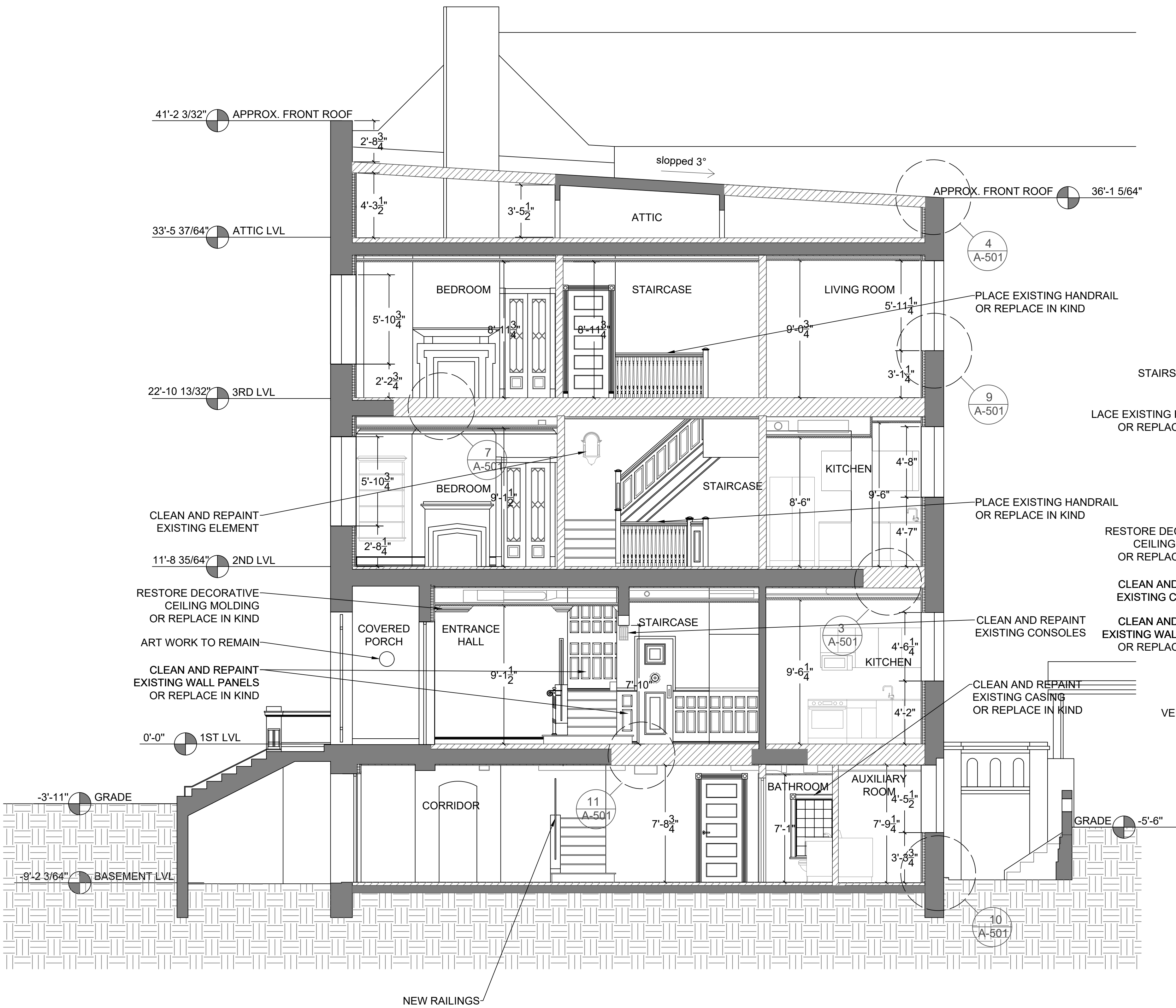
DATE: 07/28/20

SHEET NAME:

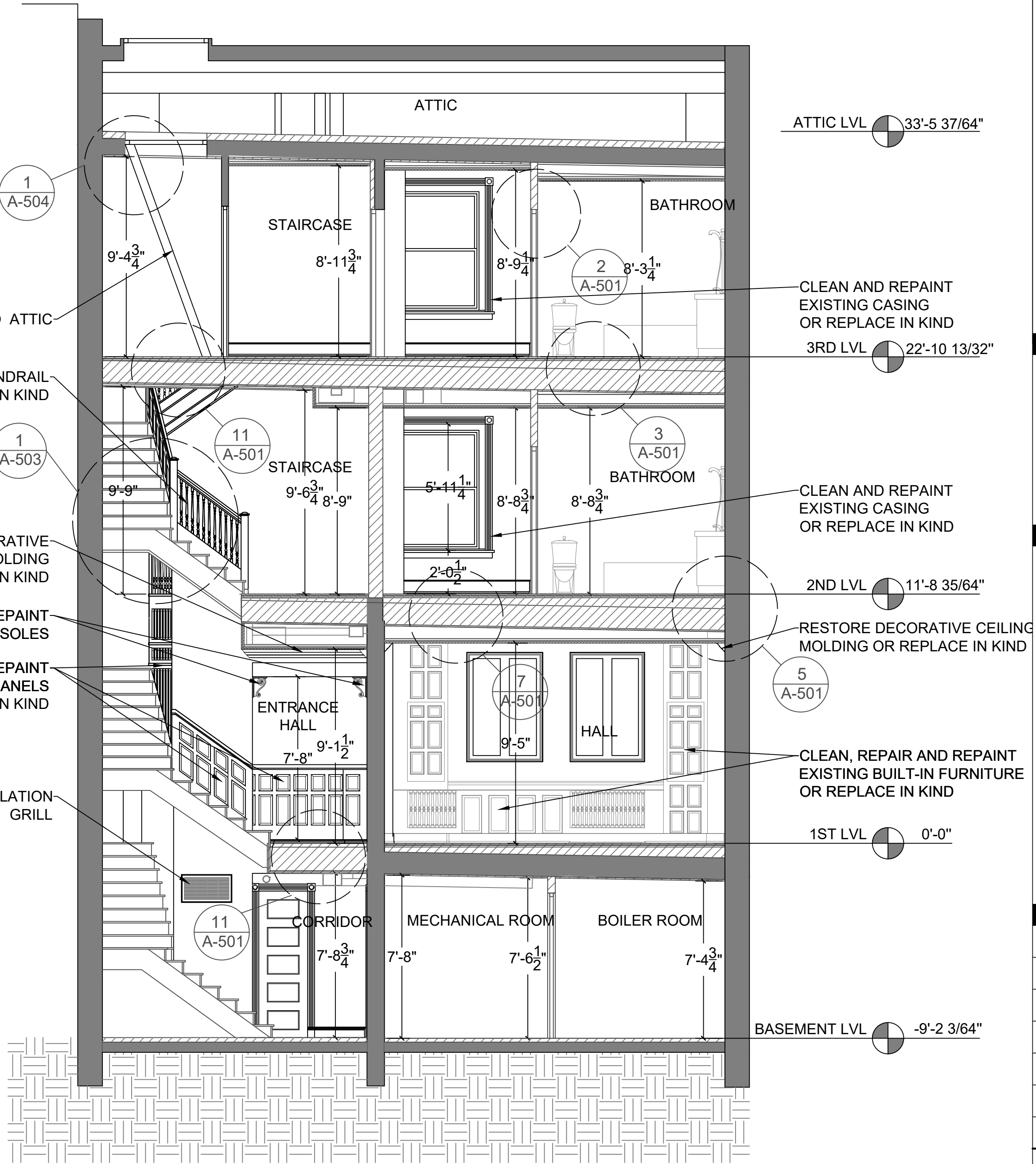
PROPOSED SECTIONS

SHEET #:

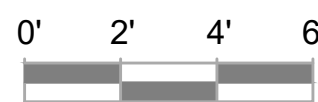
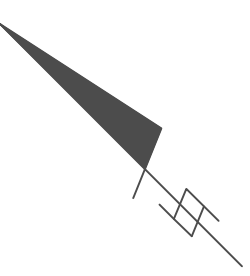
A-302



1 PROPOSED LONG SECTION
SCALE: 1/4"= 1' - 0"

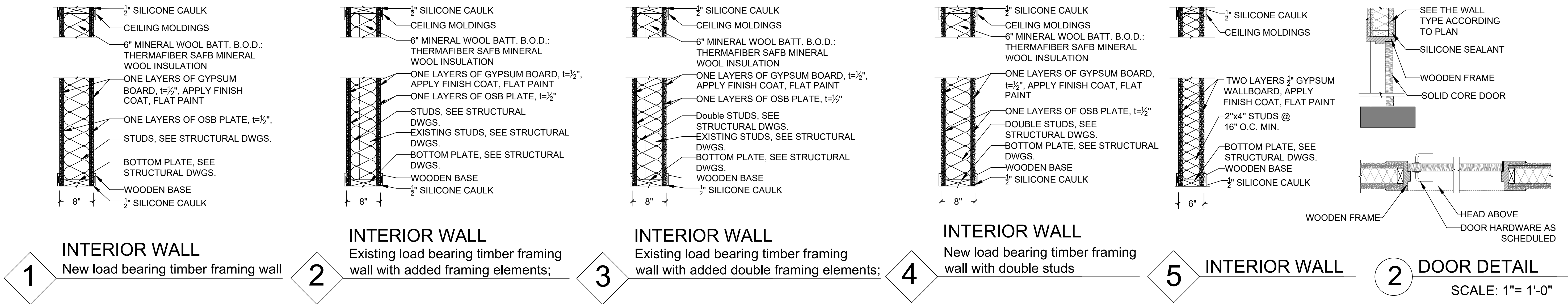
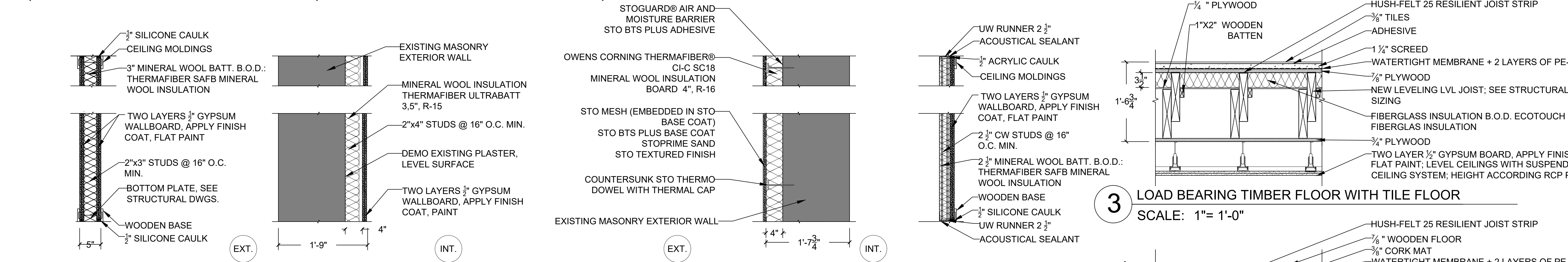
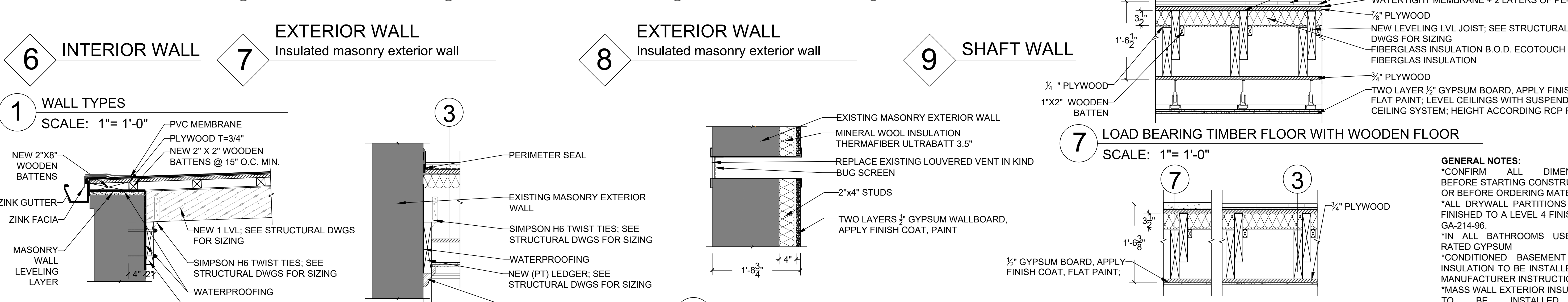
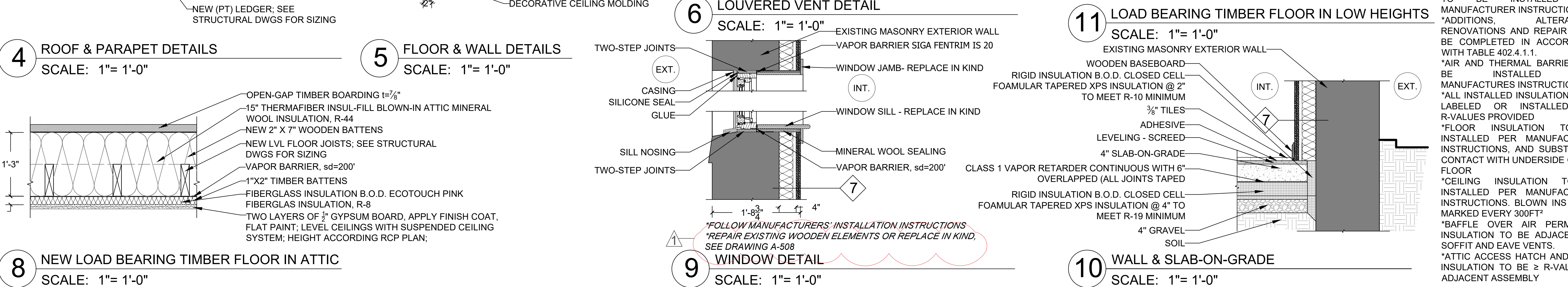


2 PROPOSED CROSS SECTION
SCALE: 1/4"= 1' - 0"



GENERAL NOTES:
CONFIRM ALL DIMENSIONS BEFORE
STARTING CONSTRUCTION OR
BEFORE ORDERING MATERIALS.

KEY	
	EXISTING WALLS
	NEW CONSTRUCTION



ATELIER MJK

1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

JaunRīga
ECO
DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY

2304 MASSACHUSETTS AVE.,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

▲	02/16/21
▲	
▲	
▲	
▲	
▲	

DATE:

07/28/20

SHEET NAME:

DETAILS

SHEET #:

A-501

DOOR NUM.	QTY.	DOOR TYPE	DIMENSIONS (IN INCHES)		PANEL STYLE	MANUFACTURER	MODEL #	FINISH	HAND	HARDWARE	COMMENTS	U-VALUE/SHGC		ENERGY STAR
			WIDTH	HEIGHT										
EXTERIOR DOOR														
*REPAIR EXISTING WOODEN ELEMENTS OR REPLACE IN KIND, SEE DRAWING A-509														
001	1	SINGLE HINGED	34 1/4	86	2-PANEL	LEPAGE	WF11	HISTORICAL WHITE	LH	TRADITIONAL - BLACK	TO MATCH ENTRY DOOR	.30 / .40	YES	
005A	1	SINGLE HINGED	34 1/4	78 1/2	FULL LITE	LEPAGE	WF11	HISTORICAL WHITE	LH	TRADITIONAL - BLACK	TO MATCH REAR ENTRY DOOR	.30 / .40	YES	
005B	1	SINGLE HINGED	34 1/4	78 1/2	FULL LITE	LEPAGE	WF11	HISTORICAL WHITE	RH	TRADITIONAL - BLACK	TO MATCH REAR ENTRY DOOR	.30 / .40	YES	
102A	1	EXISTING DOORS	REMAIN	REMAIN	REMAIN	REMAIN	REMAIN	BLACK	RH	REMAIN	EXISTING HISTORICAL DOORS TO REMAIN, INSTALL INSULATED GLASS	.30 / .40	YES	
107	1	EXISTING DOORS	REMAIN	REMAIN	REMAIN	REMAIN	REMAIN	BLACK	LH	REMAIN	EXISTING HISTORICAL DOORS TO REMAIN, INSTALL INSULATED GLASS	.30 / .40	YES	
203	1	FRENCH DOOR	49 1/4	98 1/2	FULL LITE	LEPAGE	WF2PSL2	HISTORICAL WHITE	BOTH	TRADITIONAL - BLACK	TO MATCH TERRACE DOOR RENEW HISTORICAL GRID PATTERN GRILLES - TRUE DIVIDED LITES	.30 / .40	YES	
206D	1	FRENCH DOOR	96 1/2	104 1/4	FULL LITE	LEPAGE	WF2PSL2	HISTORICAL WHITE	BOTH	TRADITIONAL - BLACK	TO MATCH BALCONY DOOR RENEW HISTORICAL GRID PATTERN GRILLES - TRUE DIVIDED LITES	.30 / .40	YES	
INTERIOR DOOR														
002A	1	SINGLE HINGED	34 1/4	84 1/4	2-PANEL	TBD	TBD	WHITE	RH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
002B	1	DOUBLE HINGED	49 1/4	79 1/2	2-PANEL	TBD	TBD	WHITE	BOTH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
002C	1	DOUBLE HINGED	49 1/4	79 1/2	2-PANEL	TBD	TBD	WHITE	BOTH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
002D	1	DOUBLE HINGED	49 1/4	79 1/2	2-PANEL	TBD	TBD	WHITE	BOTH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
003	1	SINGLE HINGED	34	84 1/4	2-PANEL	TBD	TBD	WHITE	RH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
004	1	SINGLE HINGED	30 3/4	82 1/4	2-PANEL	TBD	TBD	WHITE	LH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
007	1	SINGLE HINGED	27 1/2	78 1/2	2-PANEL	TBD	TBD	WHITE	LH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
008	1	SINGLE HINGED	32 1/4	82	2-PANEL	TBD	TBD	WHITE	LH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
102B	1	SINGLE HINGED	REMAIN	REMAIN	REMAIN	REMAIN	REMAIN	BLACK	RH	REMAIN	EXISTING HISTORICAL DOORS	N/A		
103A	1	DOUBLE HINGED	REMAIN	99 1/2	REMAIN	REMAIN	REMAIN	BLACK	BOTH	REMAIN	EXISTING HISTORICAL DOORS	N/A		
103B	1	SINGLE HINGED	29 1/2	84	2-PANEL	TBD	TBD	BLACK	BOTH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
104	1	SINGLE HINGED	35 3/4	90	2-PANEL	TBD	TBD	BLACK	RH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
204	1	SINGLE HINGED	35 3/4	90	2-PANEL	TBD	TBD	WHITE	RH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
105	1	SINGLE HINGED	REMAIN	REMAIN	REMAIN	REMAIN	REMAIN	BLACK	LH	REMAIN	EXISTING HISTORICAL DOORS	N/A		
202	1	SINGLE HINGED	35 3/4	90	2-PANEL	TBD	TBD	WHITE	RH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
302	1	SINGLE HINGED	35 3/4	90	2-PANEL	TBD	TBD	WHITE	RH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
307	1	SINGLE HINGED	35 3/4	90	2-PANEL	TBD	TBD	WHITE	LH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
205	1	SINGLE HINGED	33 1/2	90	2-PANEL	TBD	TBD	WHITE	RH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
304	1	SINGLE HINGED	33 1/2	90	2-PANEL	TBD	TBD	WHITE	RH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
206A	1	SINGLE HINGED	35 3/4	90	2-PANEL	TBD	TBD	WHITE	LH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
207A	1	SINGLE HINGED	35 3/4	90	2-PANEL	TBD	TBD	WHITE	LH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
305A	1	SINGLE HINGED	35 3/4	90	2-PANEL	TBD	TBD	WHITE	LH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
306A	1	SINGLE HINGED	35 3/4	90	2-PANEL	TBD	TBD	WHITE	LH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
206B	1	DOUBLE HINGED	47 3/4	90	FULL LITE	TBD	TBD	WHITE	BOTH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
206C	1	DOUBLE HINGED	47 3/4	90	FULL LITE	TBD	TBD	WHITE	BOTH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
305B	1	DOUBLE HINGED	47 3/4	90	FULL LITE	TBD	TBD	WHITE	BOTH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
305C	1	DOUBLE HINGED	47 3/4	90	FULL LITE	TBD	TBD	WHITE	BOTH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
207B	1	DOUBLE HINGED	44 1/3	90	FULL LITE	TBD	TBD	WHITE	BOTH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
306B	1	DOUBLE HINGED	44 1/3	90	FULL LITE	TBD	TBD	WHITE	BOTH	TRADITIONAL - BLACK	STANDART PROFILE	N/A		
301	1	DOUBLE HINGED	REMAIN	REMAIN	REMAIN	REMAIN	REMAIN	WHITE	BOTH	REMAIN	RESTORE EXISTING DOORS	N/A		
401A	1	SINGLE HINGED	47 3/4	36 3/4	-	TBD	TBD	WHITE	UP	TRADITIONAL - BLACK	NEW HATCH TO ATTIC	.30 / .40	YES	
401B	1	SINGLE HINGED	20 1/16	32 3/4	-	TBD	TBD	WHITE	UP	TRADITIONAL - BLACK	NEW HATCH TO ROOF	N/A		

GENERAL NOTES:
CONFIRM ALL DIMENSIONS BEFORE STARTING CONSTRUCTION OR BEFORE ORDERING MATERIALS.
*U-FACTORS OF FENESTRATION PRODUCTS TO BE DETERMINED IN ACCORDANCE WITH THE NFRC OR THE DEFAULT TABLE VALUES
*SHGC VALUES TO BE DETERMINED IN ACCORDANCE WITH THE NFRC OR THE DEFAULT TABLE VALUES
*FENESTRATION TO BE LISTED AND LABELED MEETING AAMA/WDMA/CSA 101/I.S. 2/A440 OR DOES NOT EXCEED CODE LIMITS PER NFRC 400

ATELIER MJK

1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202) 643-3995

eco

JaunRīga

DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY

NW,
2304 MASSACHUSETTS AVE.,
WASHINGTON, D.C.,
20008

REVISIONS:

△

02/16/21

△

△

△

△

△

DATE:07/28/20

SHEET NAME:

DOOR SCHEDULE

SHEET #:

A-502

SYM.	QTY.	WINDOW TYPE	DIMENSIONS (IN INCHES) (IN MILIMETERS)		MANUFACTURER	MODEL #	FINISH	SPECIES	GLASS	HARDWARE	U-VALUE/SHGC	ENERGY STAR	NOTES
			WIDTH	HEIGHT									
01	2	HUNG	38 1/2 975	57 1450	LEPAGE	WOODEN WH11	HISTORICAL WHITE	PINE	DOUBLE GLAZED INSULATED GLASS	WHITE	.30 / .31	YES	RENEW HISTORICAL GRID PATTERN TRUE DIVIDED LITES
02	1	HUNG	32 1/4 820	54 1/4 1380	LEPAGE	WOODEN WH11	HISTORICAL WHITE	PINE	DOUBLE GLAZED INSULATED GLASS	WHITE	.30 / .31	YES	RENEW HISTORICAL GRID PATTERN TRUE DIVIDED LITES
03	1	HUNG	42 1/2 1080	40 3/4 1040	LEPAGE	WOODEN WH11	HISTORICAL WHITE	PINE	DOUBLE GLAZED INSULATED GLASS	WHITE	.30 / .31	YES	RENEW HISTORICAL GRID PATTERN TRUE DIVIDED LITES
04	1	HUNG	43 1090	40 3/4 1040	LEPAGE	WOODEN WH11	HISTORICAL WHITE	PINE	DOUBLE GLAZED INSULATED GLASS	WHITE	.30 / .31	YES	RENEW HISTORICAL GRID PATTERN TRUE DIVIDED LITES
05	1	HUNG	35 3/4 900	53 1/2 1360	LEPAGE	WOODEN WH11	HISTORICAL WHITE	PINE	DOUBLE GLAZED INSULATED GLASS	WHITE	.30 / .31	YES	RENEW HISTORICAL GRID PATTERN TRUE DIVIDED LITES
06	2	CASEMENT	47 1/4 1200	68 1730	LEPAGE	WOODEN WC21	HISTORICAL WHITE	PINE	DOUBLE GLAZED INSULATED GLASS	WHITE	.30 / .31	YES	RENEW HISTORICAL GRID PATTERN TRUE DIVIDED LITES OPENS INWARDS
07	1	CASEMENT	42 1/4 1070	60 3/4 1540	LEPAGE	WOODEN WC21	HISTORICAL WHITE	PINE	DOUBLE GLAZED INSULATED GLASS	WHITE	.30 / .31	YES	RENEW HISTORICAL GRID PATTERN TRUE DIVIDED LITES
08	1	CASEMENT	43 1090	60 3/4 1540	LEPAGE	WOODEN WC21	HISTORICAL WHITE	PINE	DOUBLE GLAZED INSULATED GLASS	WHITE	.30 / .31	YES	RENEW HISTORICAL GRID PATTERN TRUE DIVIDED LITES
09	1	HUNG	46 3/4 1190	54 1/4 1380	LEPAGE	WOODEN WH11	HISTORICAL WHITE	PINE	DOUBLE GLAZED INSULATED GLASS	WHITE	.30 / .31	YES	RENEW HISTORICAL GRID PATTERN TRUE DIVIDED LITES
10	3	HUNG	49 1/4 1250	71 1/4 1810	LEPAGE	WOODEN WH11	HISTORICAL WHITE	PINE	DOUBLE GLAZED INSULATED GLASS	WHITE	.30 / .31	YES	RENEW HISTORICAL GRID PATTERN TRUE DIVIDED LITES
11	2	HUNG	28 1/4 715	56 1420	LEPAGE	WOODEN WH11	HISTORICAL WHITE	PINE	DOUBLE GLAZED INSULATED GLASS	WHITE	.30 / .31	YES	RENEW HISTORICAL GRID PATTERN TRUE DIVIDED LITES
12	1	CASEMENT	45 1140	57 3/4 1470	LEPAGE	WOODEN	OUTSIDE - HISTORICAL WHITE INSIDE - BLACK	PINE	DOUBLE GLAZED INSULATED GLASS Pilkington Spacia	WHITE	.30 / .31	YES	TO MATCH EXISTING WINDOW TRUE DIVIDED LITES
13	2	CASEMENT	43 3/4 1110	70 3/4 1800	LEPAGE	WOODEN WC21	HISTORICAL WHITE	PINE	DOUBLE GLAZED INSULATED GLASS	WHITE	.30 / .31	YES	RENEW HISTORICAL GRID PATTERN TRUE DIVIDED LITES
14	1	CASEMENT	58 1470	70 3/4 1800	LEPAGE	WOODEN WC21	HISTORICAL WHITE	PINE	DOUBLE GLAZED INSULATED GLASS	WHITE	.30 / .31	YES	RENEW HISTORICAL GRID PATTERN TRUE DIVIDED LITES
15	1	HUNG	34 1/4 870	71 1/4 1810	LEPAGE	WOODEN WH11	HISTORICAL WHITE	PINE	DOUBLE GLAZED INSULATED GLASS	WHITE	.30 / .31	YES	RENEW HISTORICAL GRID PATTERN TRUE DIVIDED LITES
16	1	CASEMENT	45 3/4 1160	78 1/4 1987	LEPAGE	WOODEN WC21	HISTORICAL WHITE	PINE	DOUBLE GLAZED INSULATED GLASS	WHITE	.30 / .31	YES	TO MATCH EXISTING WINDOW TRUE DIVIDED LITES
17	1	FIXED	87 3/4 2220	23 580	LEPAGE	WOODEN FIXED	HISTORICAL WHITE	PINE	DOUBLE GLAZED INSULATED GLASS	WHITE	.30 / .31	YES	TO MATCH EXISTING WINDOW TRUE DIVIDED LITES
18	1	FIXED	33 3/4 860	48 1220	LEPAGE	WOODEN FIXED	HISTORICAL WHITE	PINE	DOUBLE GLAZED INSULATED GLASS	WHITE	.30 / .31	YES	TO MATCH EXISTING WINDOW TRUE DIVIDED LITES
19	1	FIXED	29 1/2 750	45 3/4 1160	LEPAGE	WOODEN FIXED	HISTORICAL WHITE	PINE	DOUBLE GLAZED INSULATED GLASS	WHITE	.30 / .31	YES	TO MATCH EXISTING WINDOW TRUE DIVIDED LITES

1

*REPAIR EXISTING WOODEN ELEMENTS OR REPLACE IN KIND, SEE DRAWING A-508

1

1

WINDOW SCHEDULE

GENERAL NOTES:
CONFIRM ALL DIMENSIONS BEFORE
STARTING CONSTRUCTION OR
BEFORE ORDERING MATERIALS.
*U-FACTORS OF FENESTRATION
PRODUCTS TO BE DETERMINED IN
ACCORDANCE WITH THE NFRC OR
THE DEFAULT TABLE VALUES
*SHGC VALUES TO BE DETERMINED
IN ACCORDANCE WITH THE NFRC
OR THE DEFAULT TABLE VALUES
*FENESTRATION TO BE LISTED AND
LABELED MEETING
AAMA/WDMA/CSA 101/I.S. 2/A440 OR
DOES NOT EXCEED CODE LIMITS
PER NFRC 400

ATELIER MJK

1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

JaunRīga

ECO
DUNTES IELA 28-3, RIGA,
LATVIA, LV-1005
REG NR 40103680902
+371 26451630

LATVIAN EMBASSY

2304 MASSACHUSETTS AVE,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

1

02/16/21

2

3

4

5

6

7

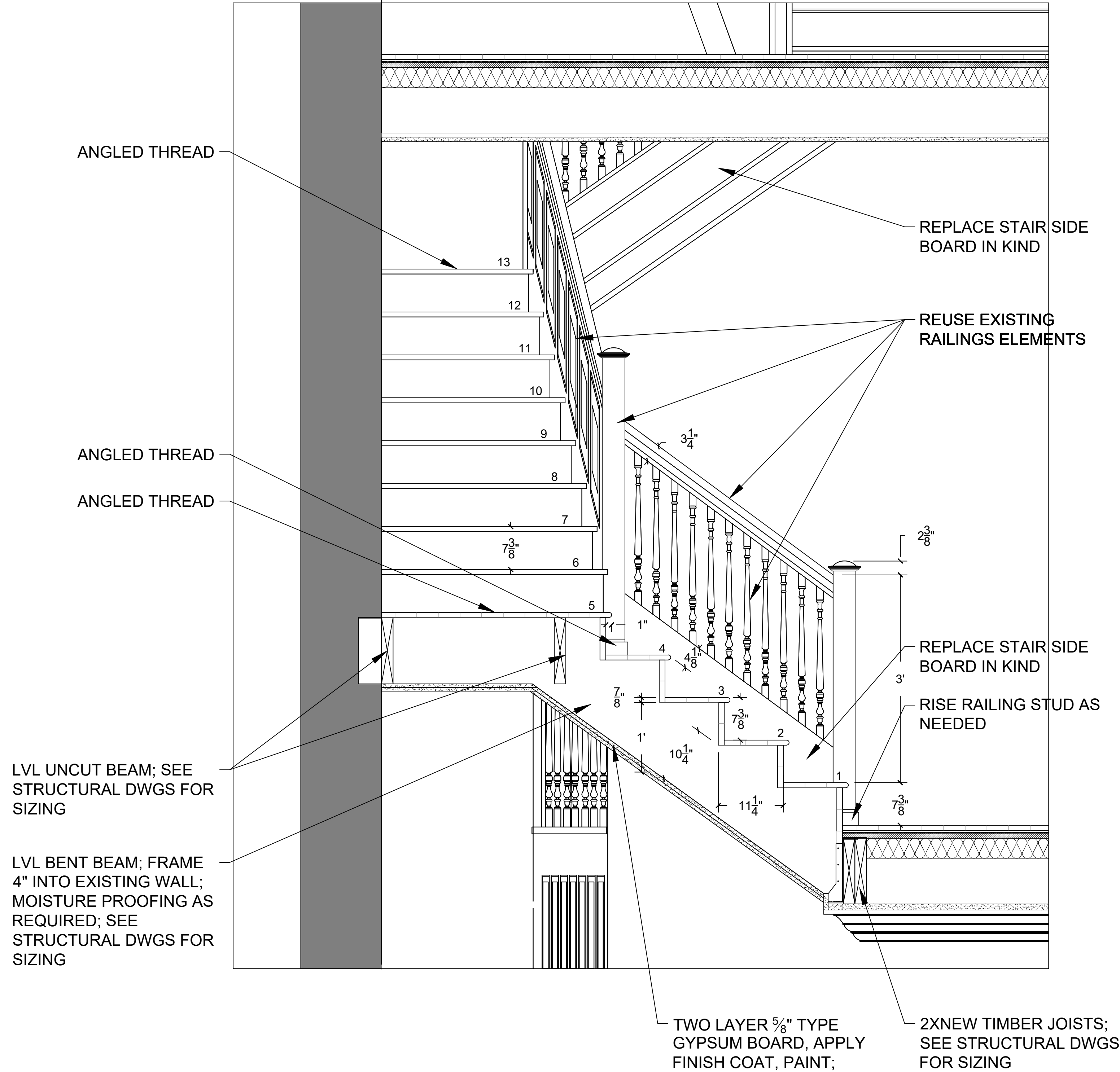
DATE:07/28/20

SHEET NAME:

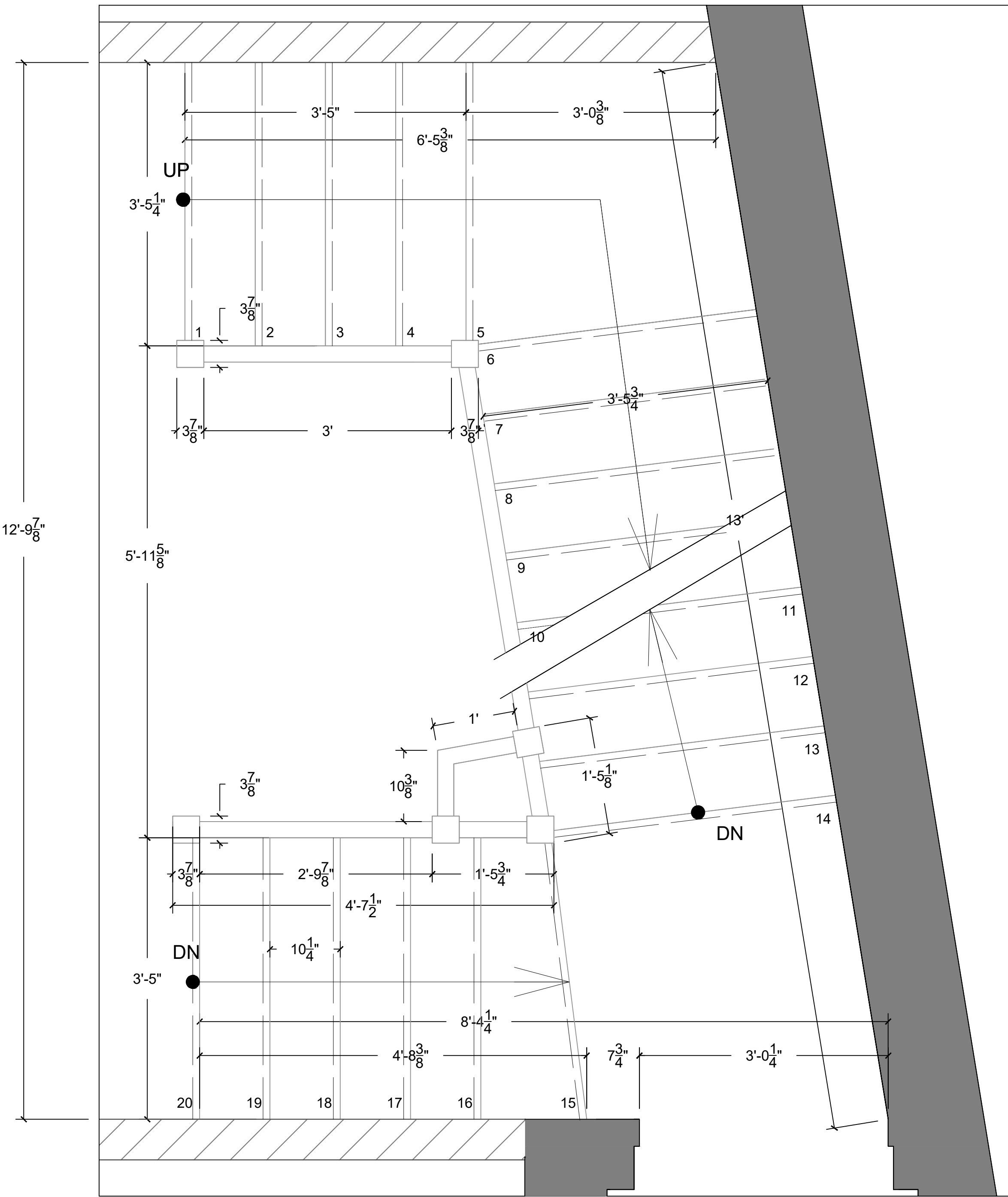
WINDOW SCHEDULE

SHEET #:

A-503



1 ENLARGED STAIR SECTION
SCALE: 1"= 1'-0"



2 ENLARGED STAIR PLAN
SCALE: 1"= 1'-0"

GENERAL NOTES:
CONFIRM ALL DIMENSIONS BEFORE
STARTING CONSTRUCTION OR
BEFORE ORDERING MATERIALS.

Atelier MjK

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202) 643-3995

JaunRīga
DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE.,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△	
△	
△	
△	
△	
△	

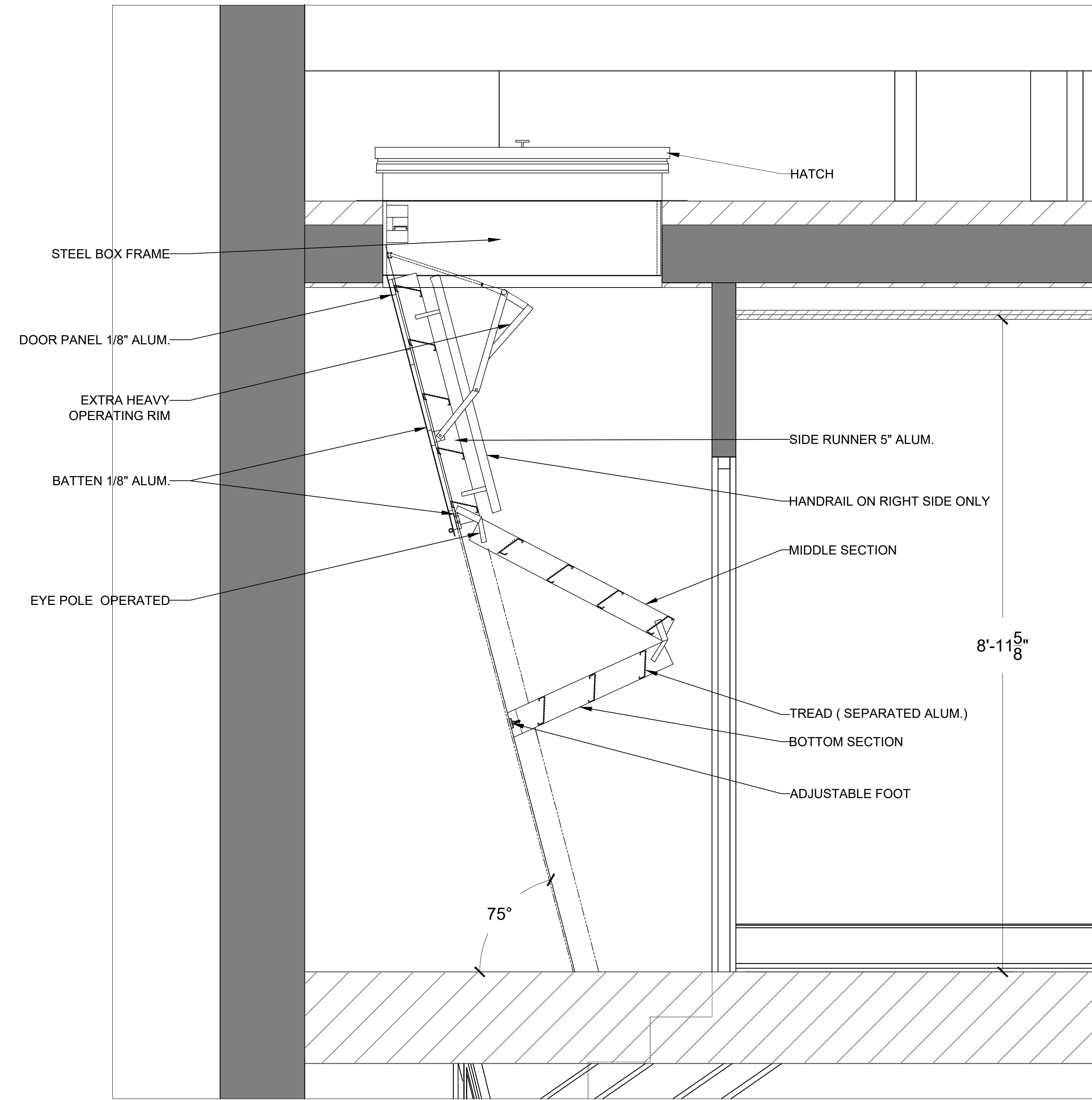
DATE: 07/28/20

SHEET NAME:

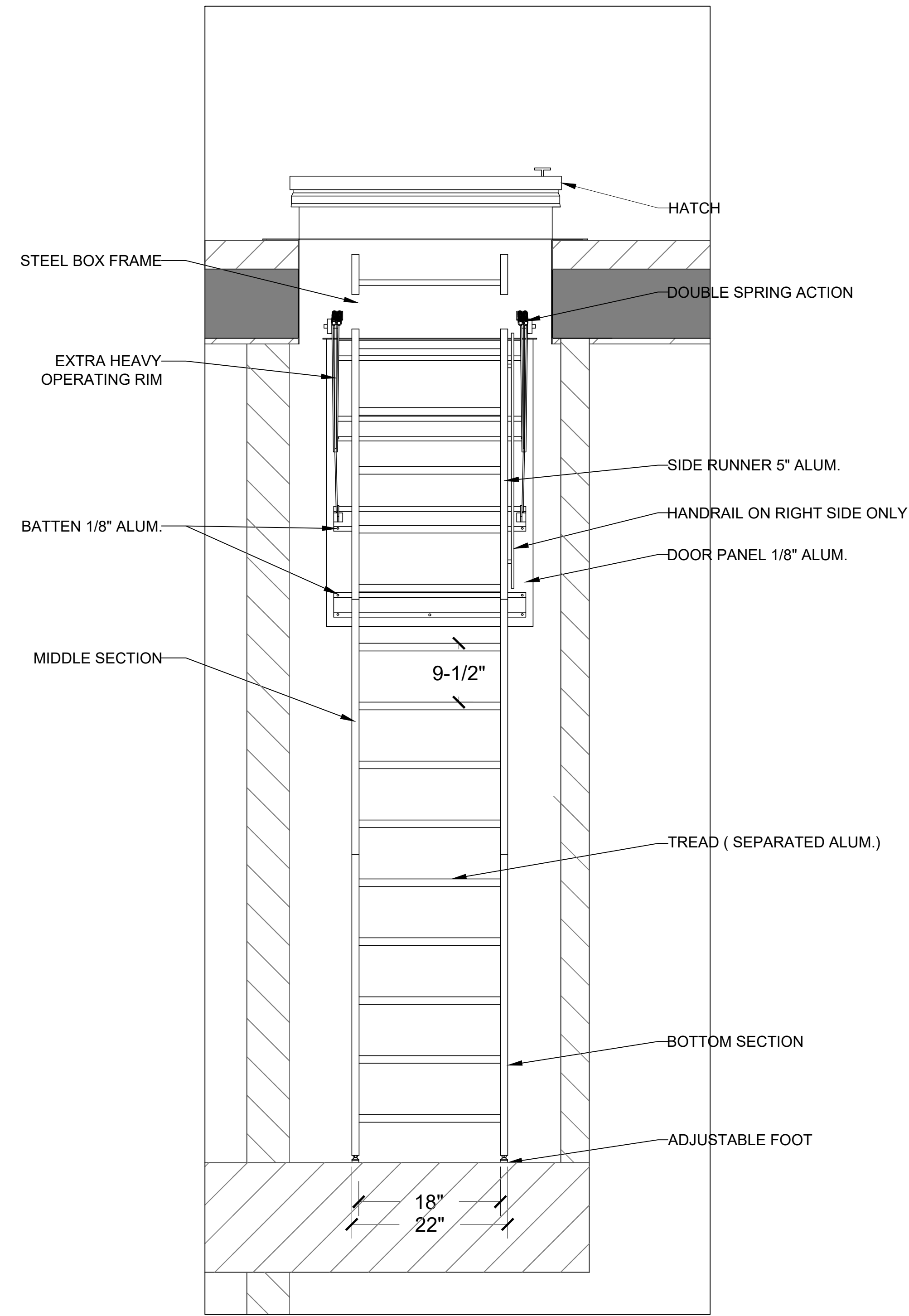
STAIR DETAIL

SHEET #:

A-504



1 ATTIC STAIR HATCH SECTION
SCALE: 1"= 1'-0"



2 ATTIC STAIR HATCH ELEVATION
SCALE: 1"= 1'-0"

GENERAL NOTES:
CONFIRM ALL DIMENSIONS BEFORE
STARTING CONSTRUCTION OR
BEFORE ORDERING MATERIALS.

Atelier MjK

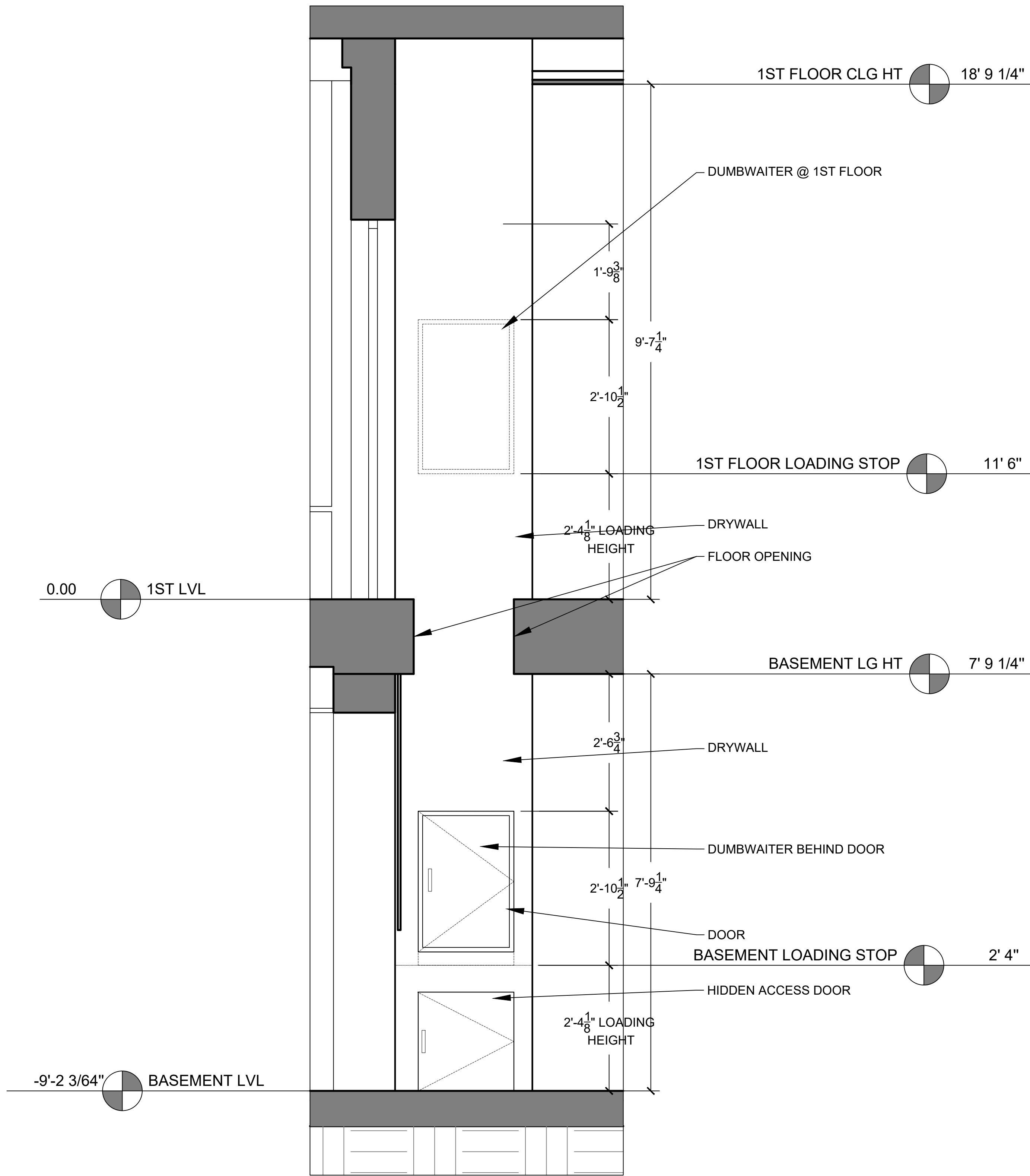
ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202) 643-3995

ECO
JaunRīga

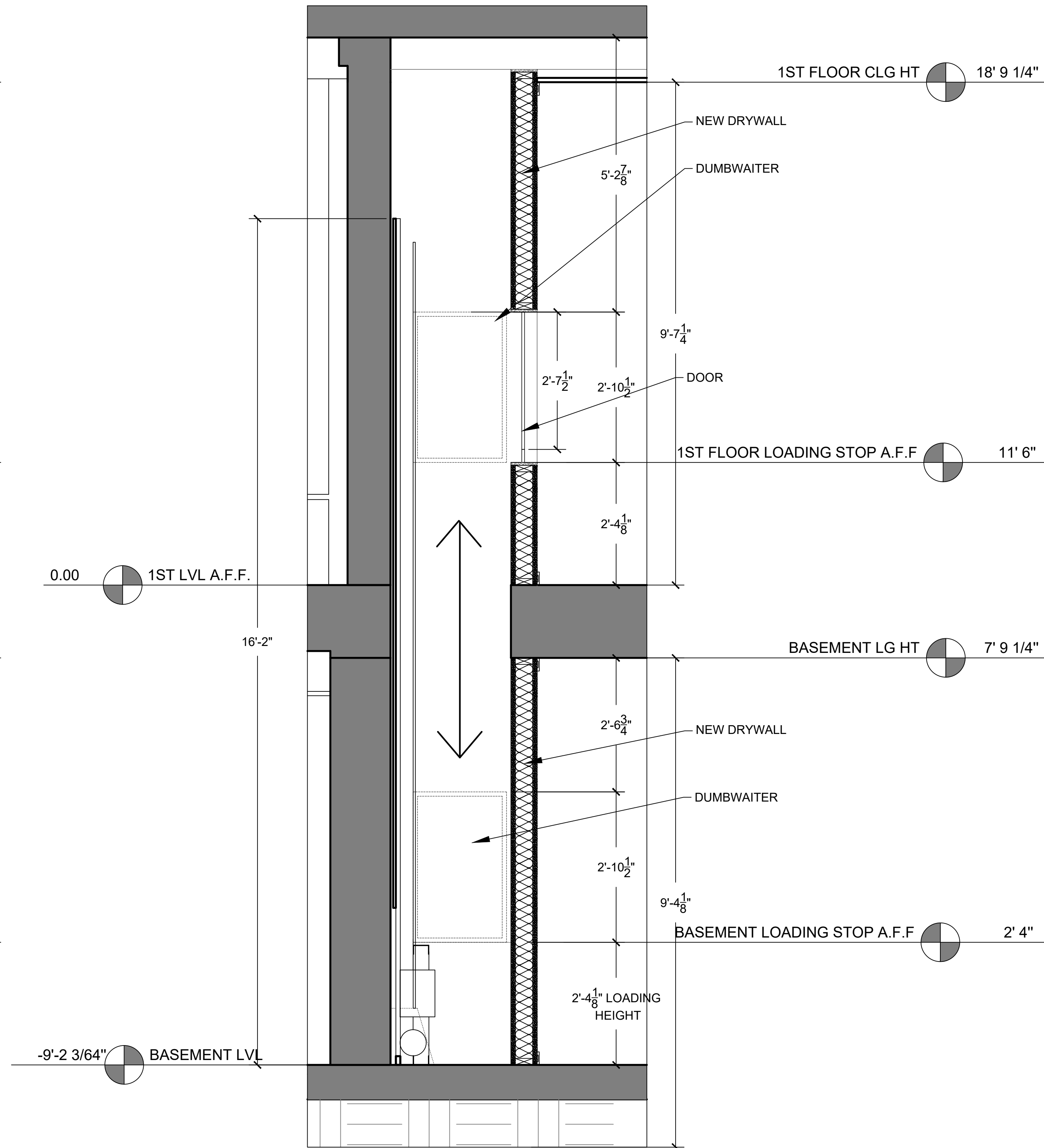
DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE.,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:	
△	
△	
△	
△	
△	
△	
DATE: 07/28/20	
SHEET NAME:	
ATTIC HATCH STAIR DETAIL	
SHEET #:	
A-505	



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



2 DUMBWAITER SECTION
SCALE: 3/4"= 1'-0"

GENERAL NOTES:
CONFIRM ALL DIMENSIONS BEFORE
STARTING CONSTRUCTION OR
BEFORE ORDERING MATERIALS.

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202) 643-3995

ECO
JaunRīga

DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE.,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△

△

△

△

△

△

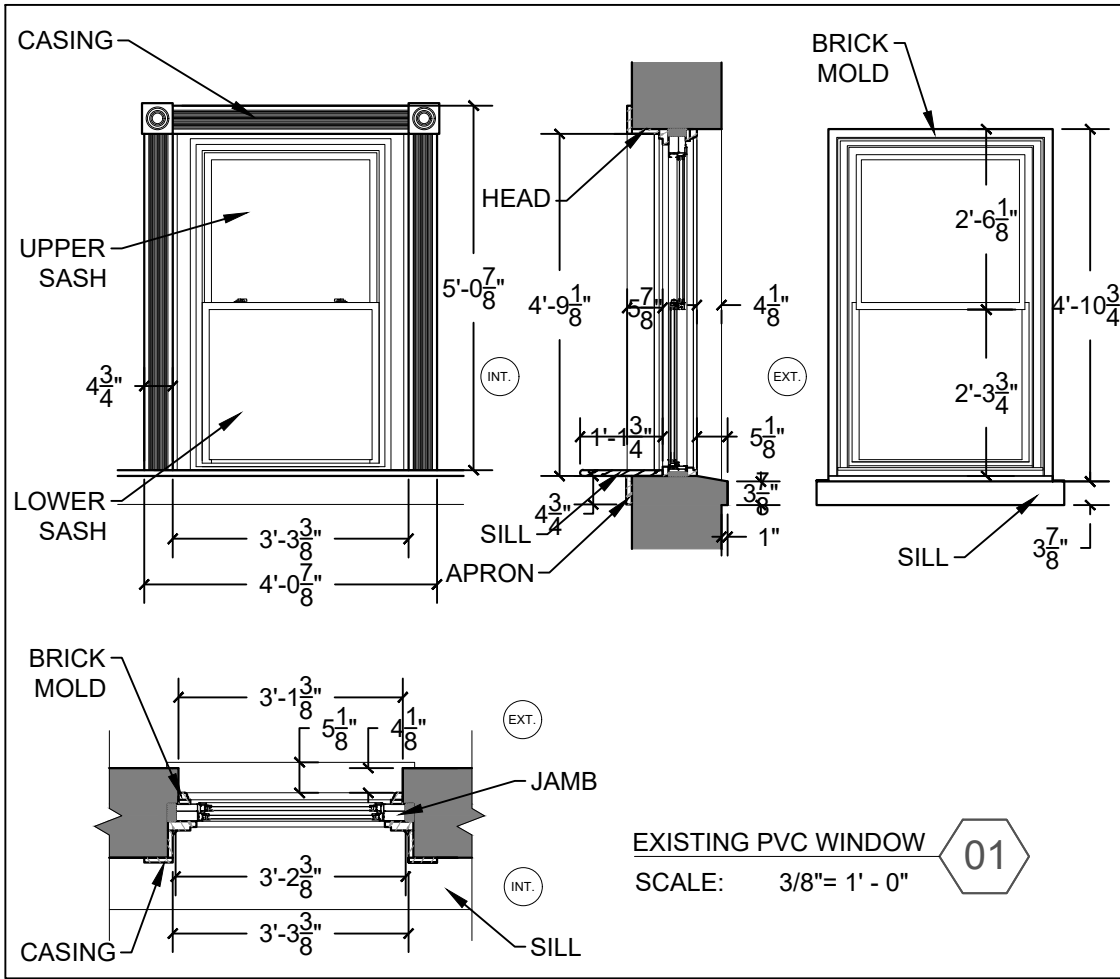
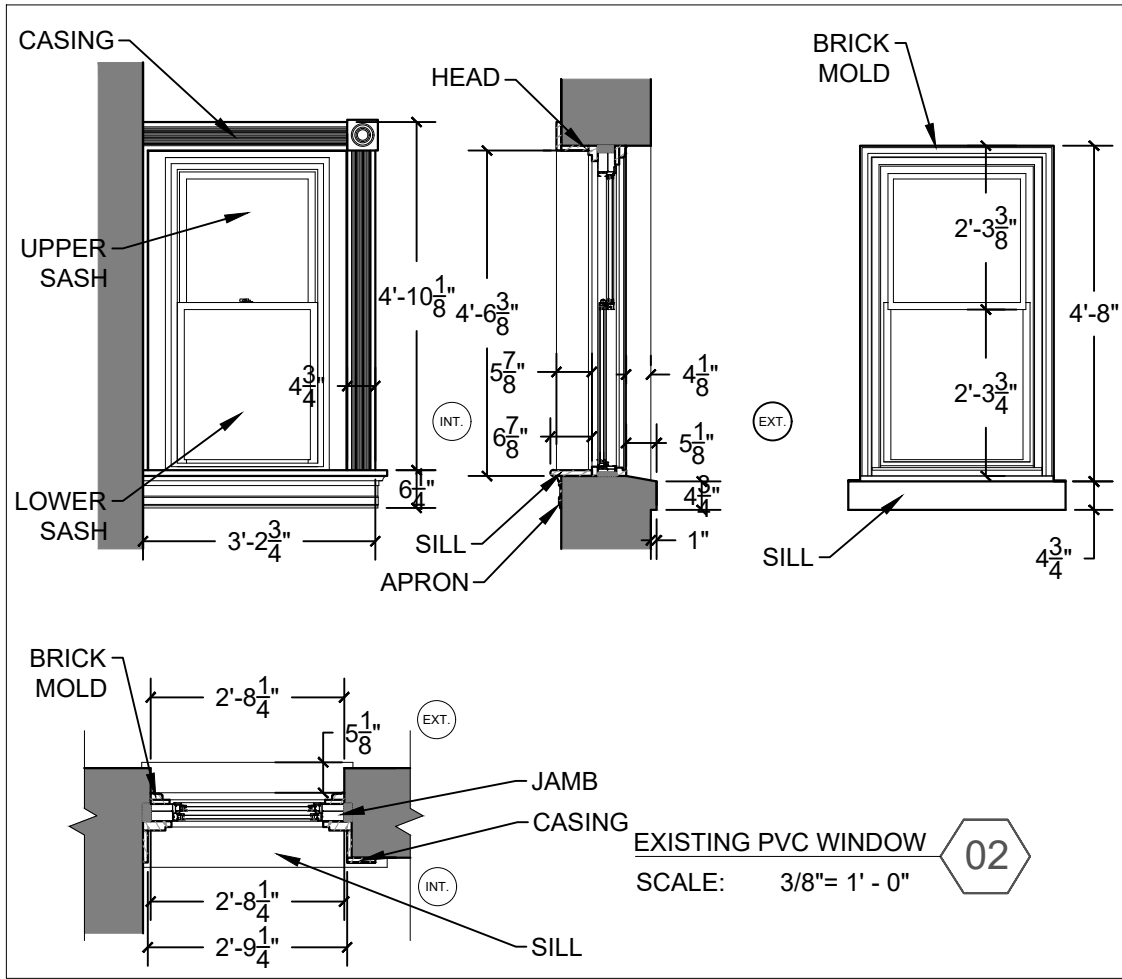
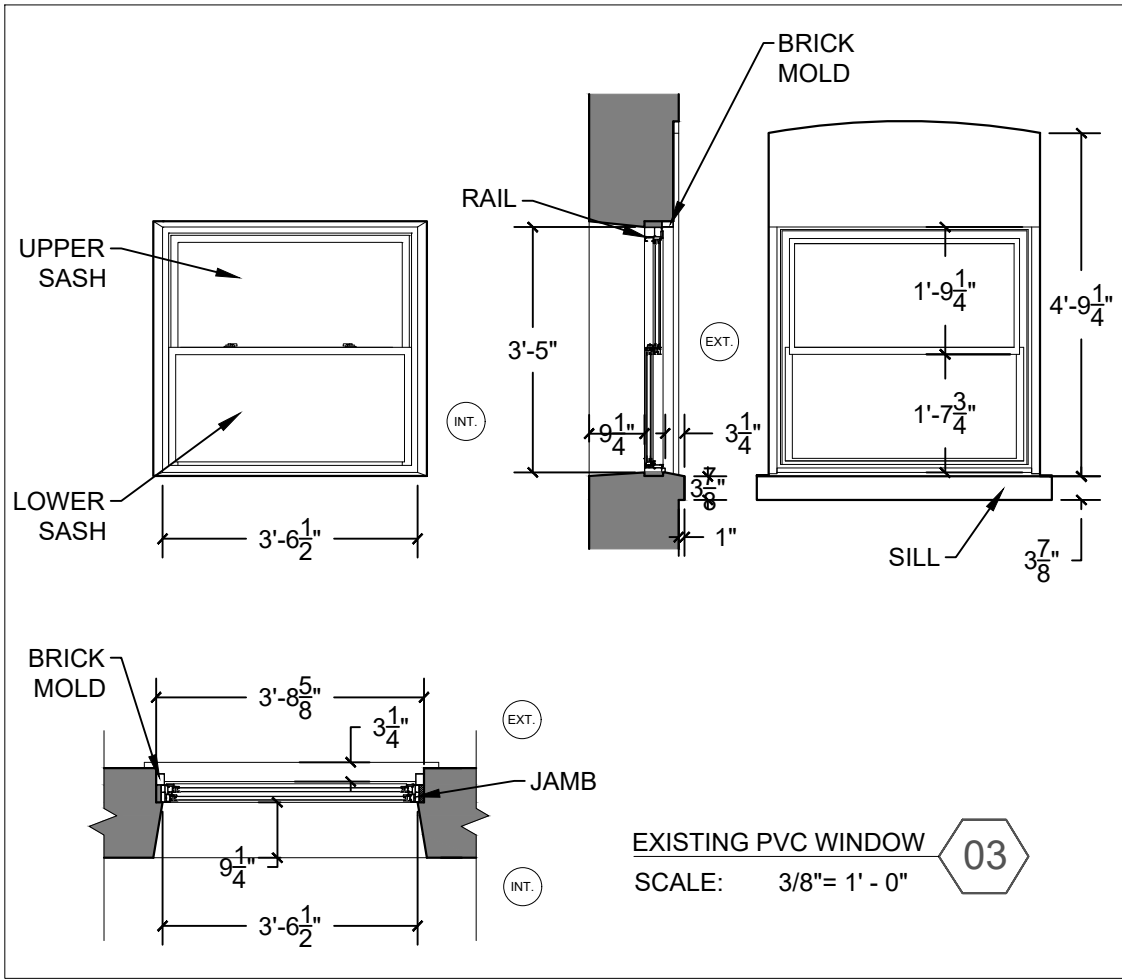
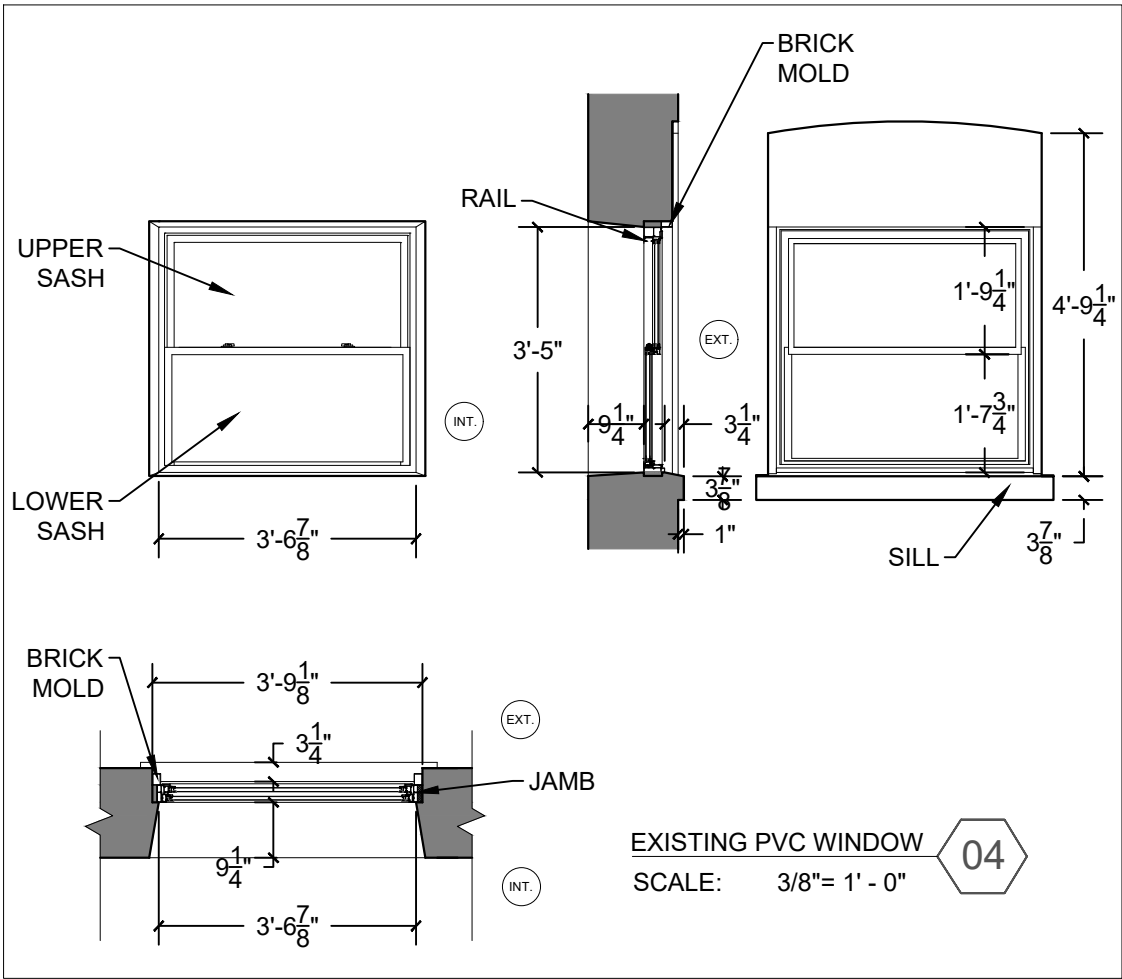
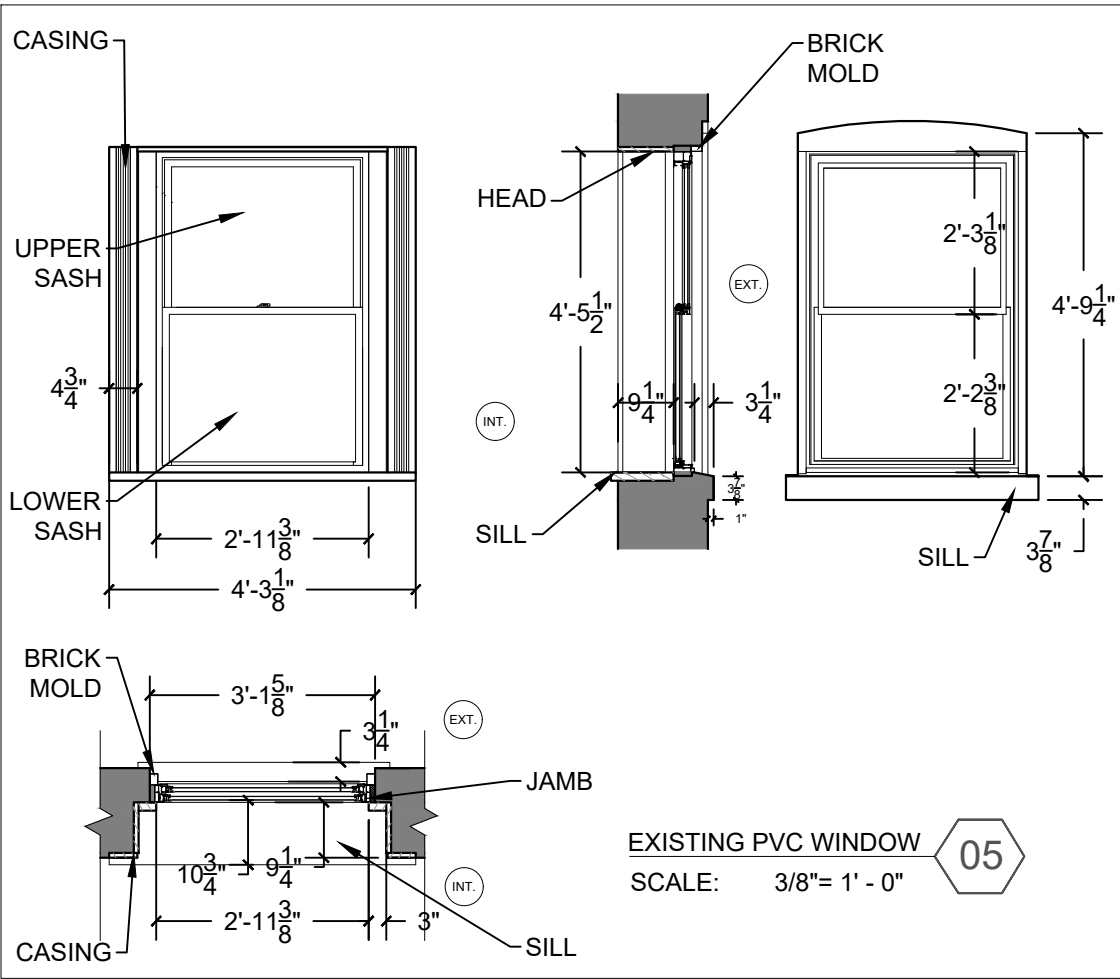
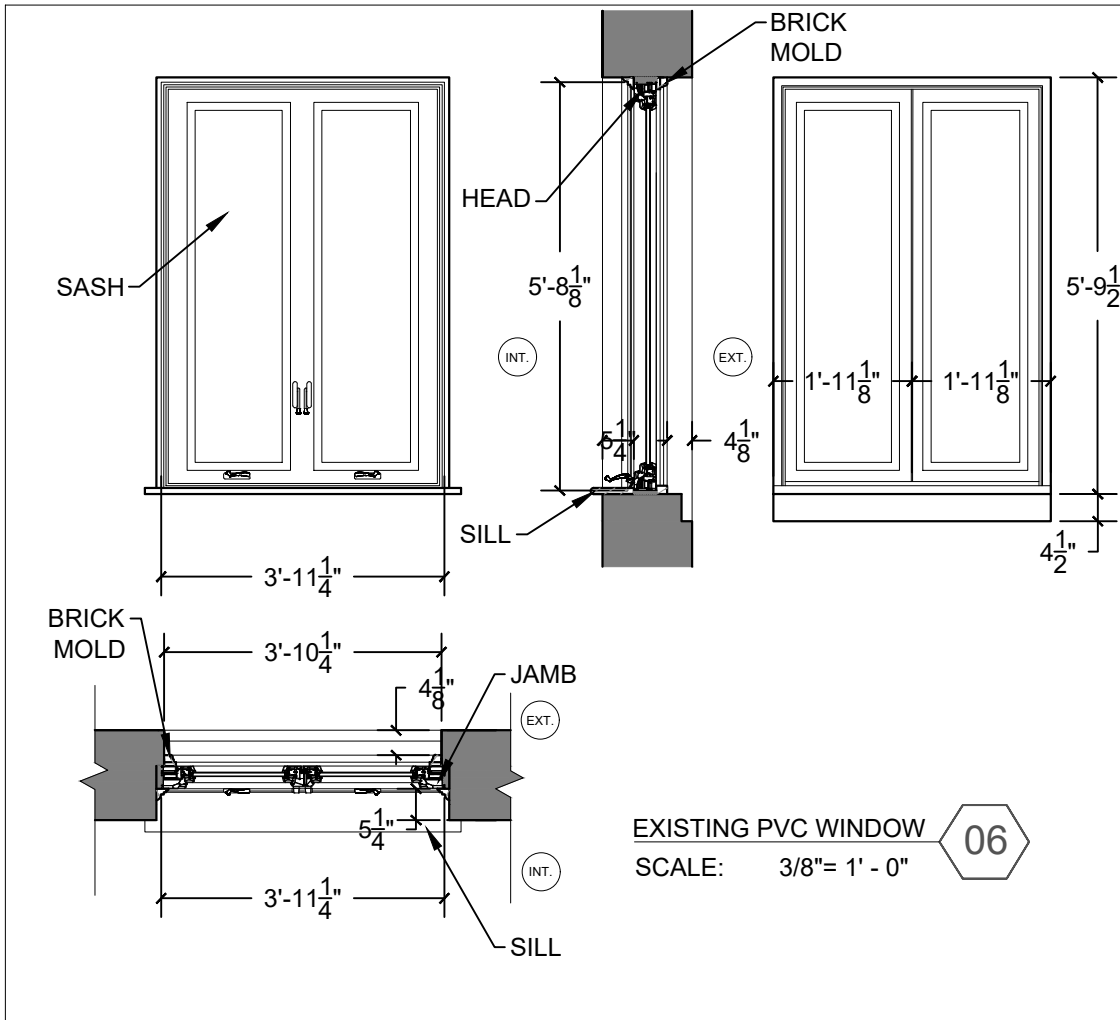
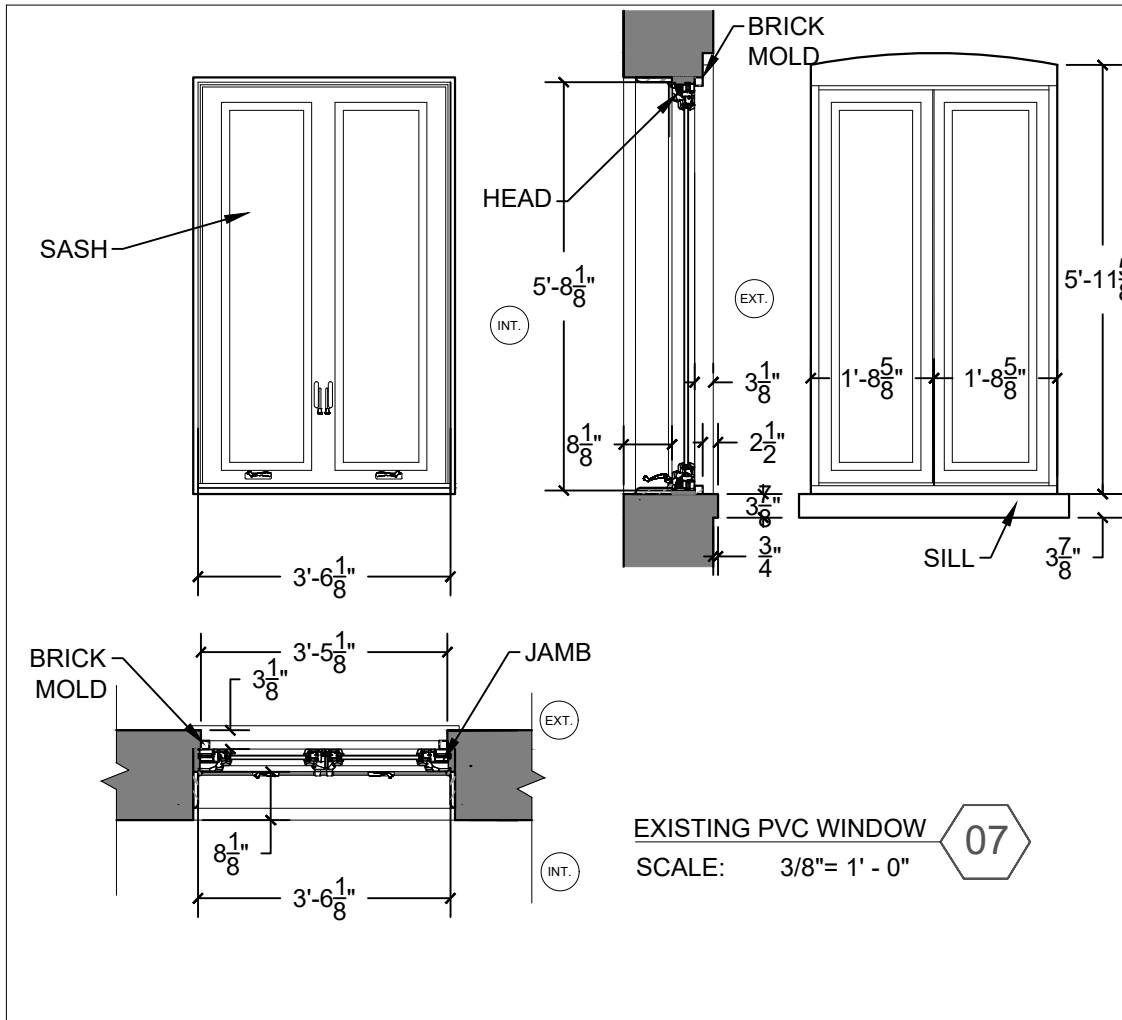
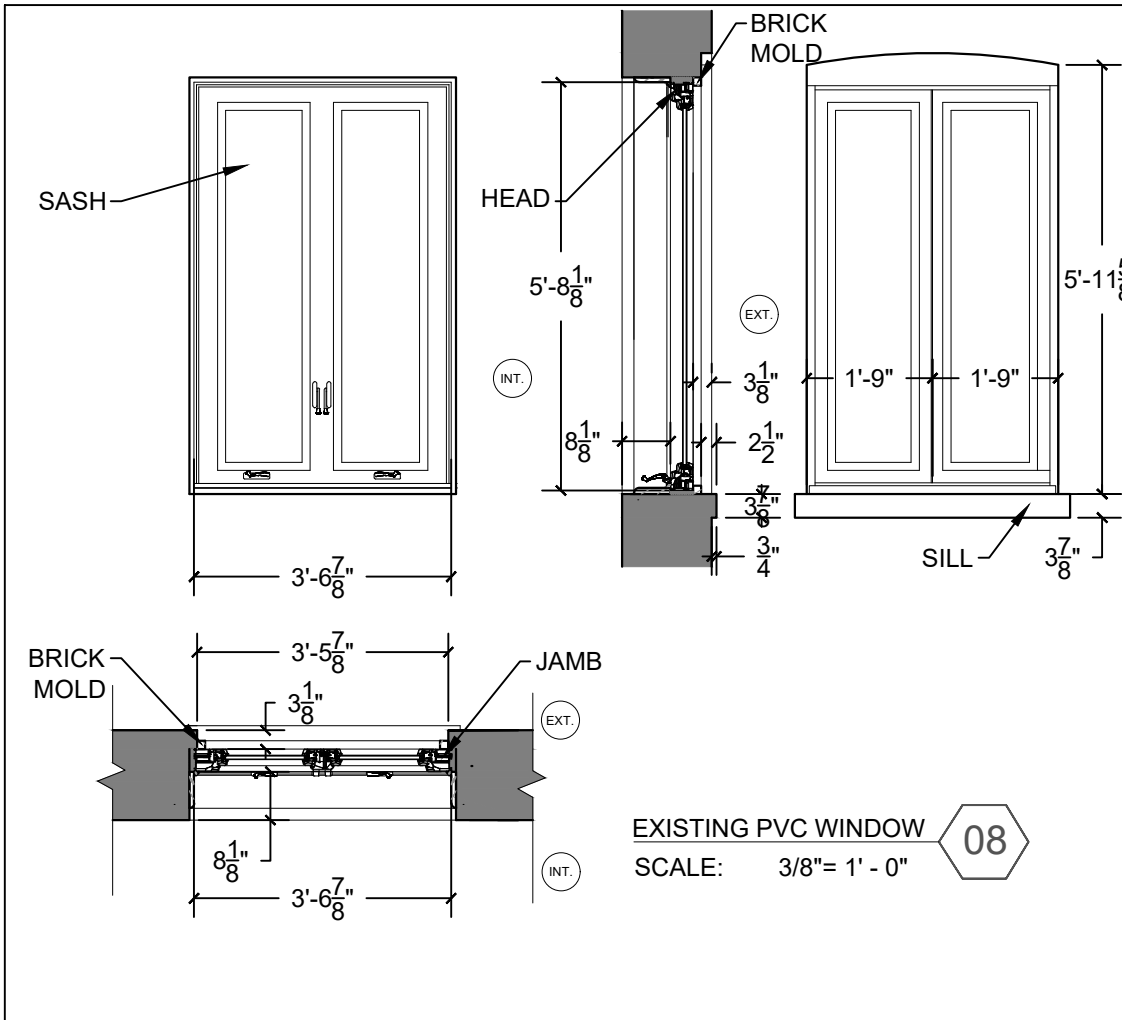
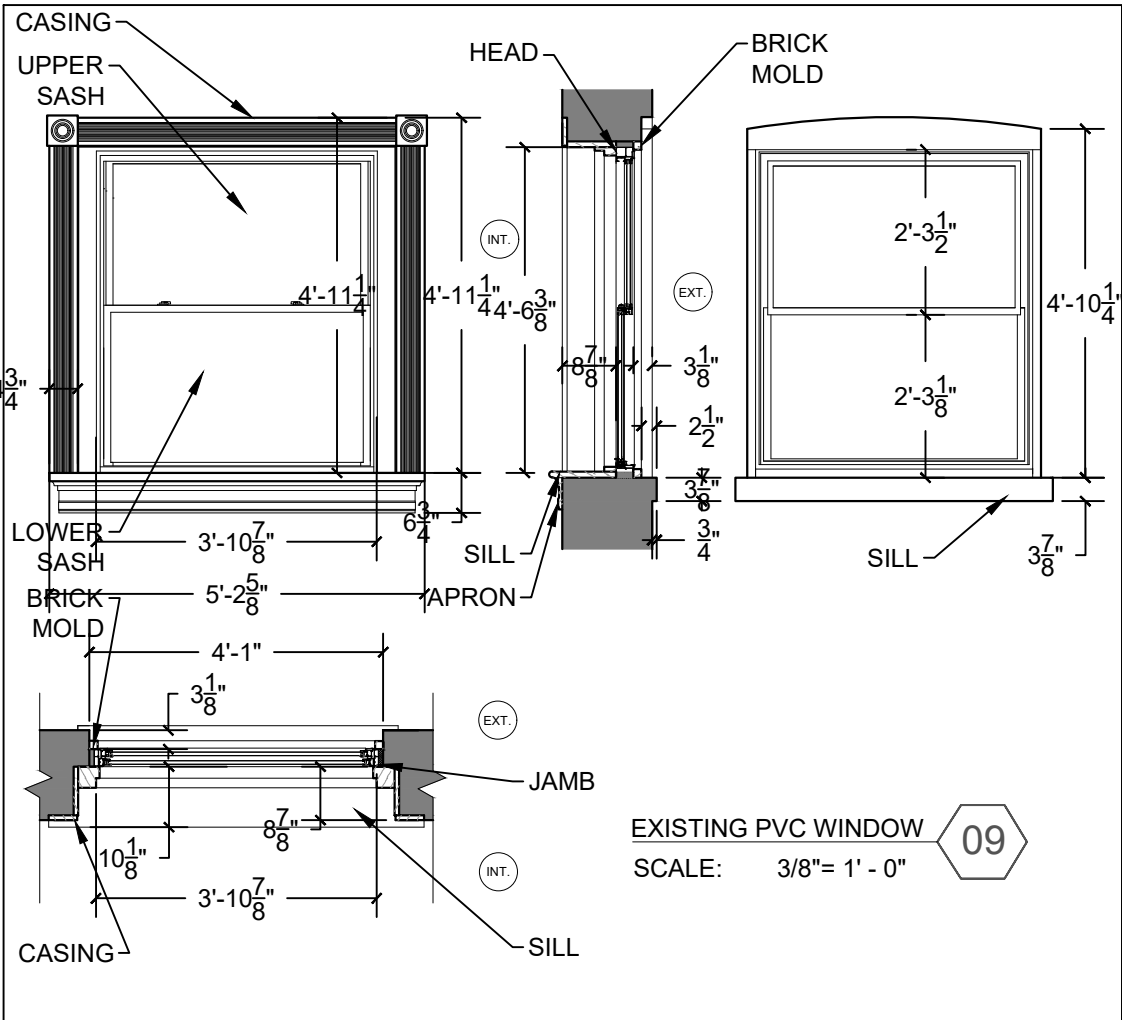
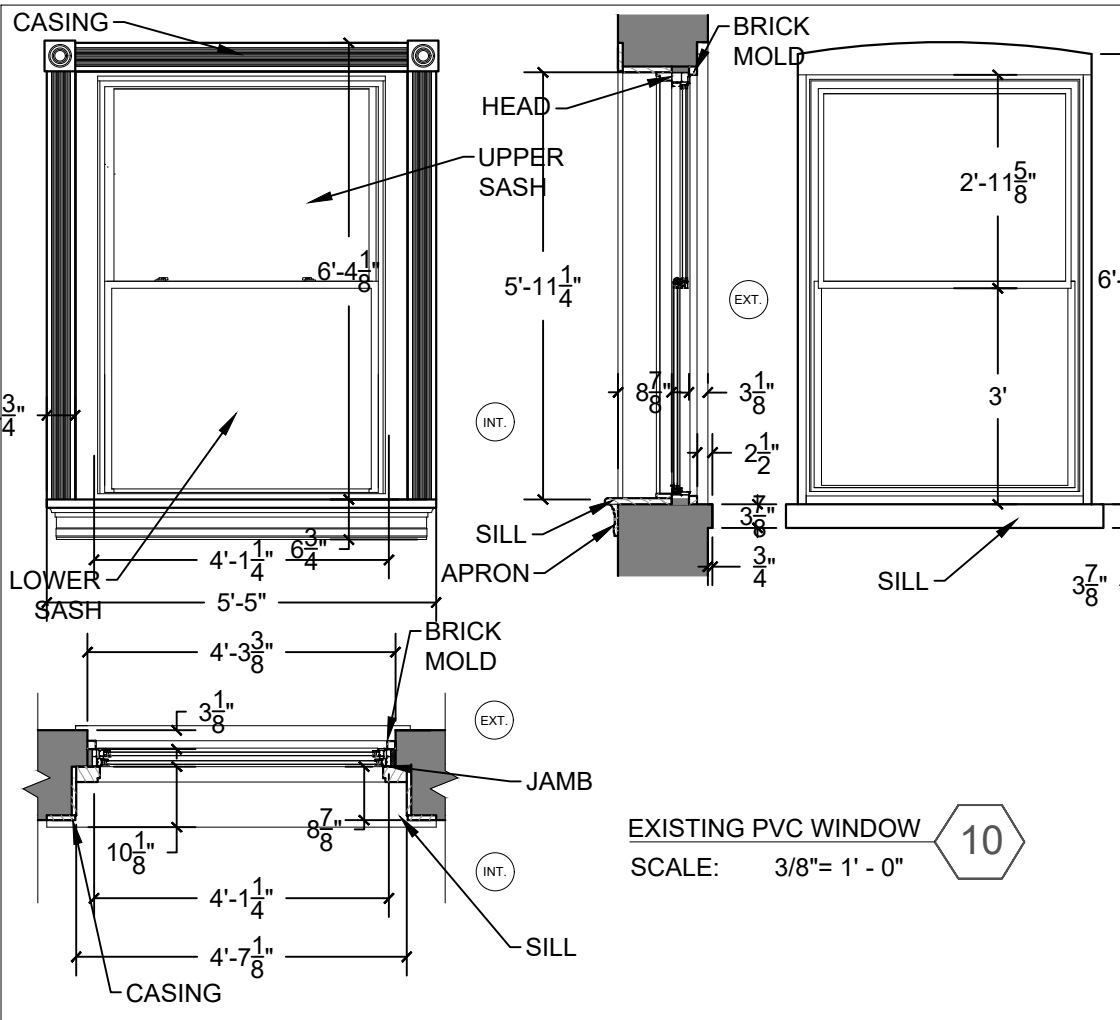
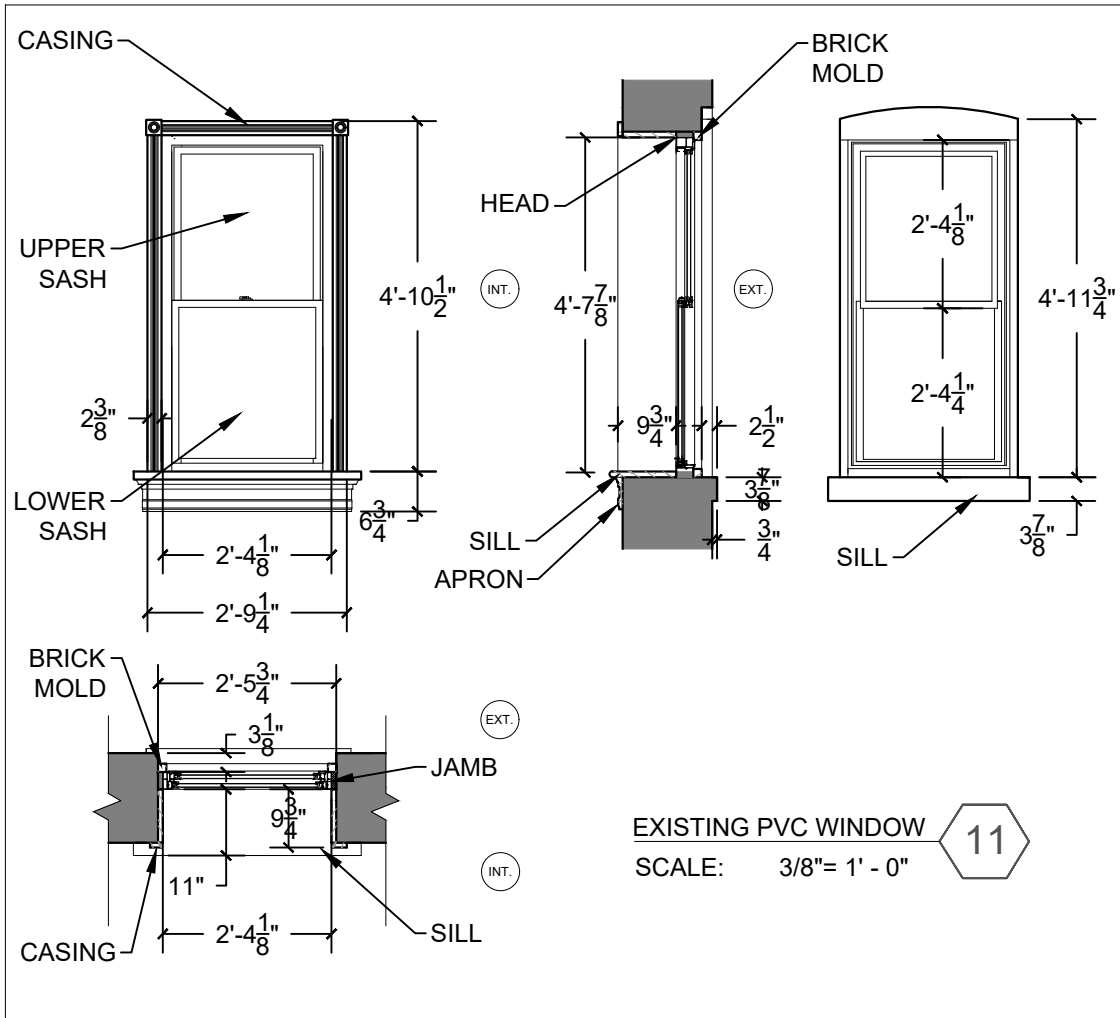
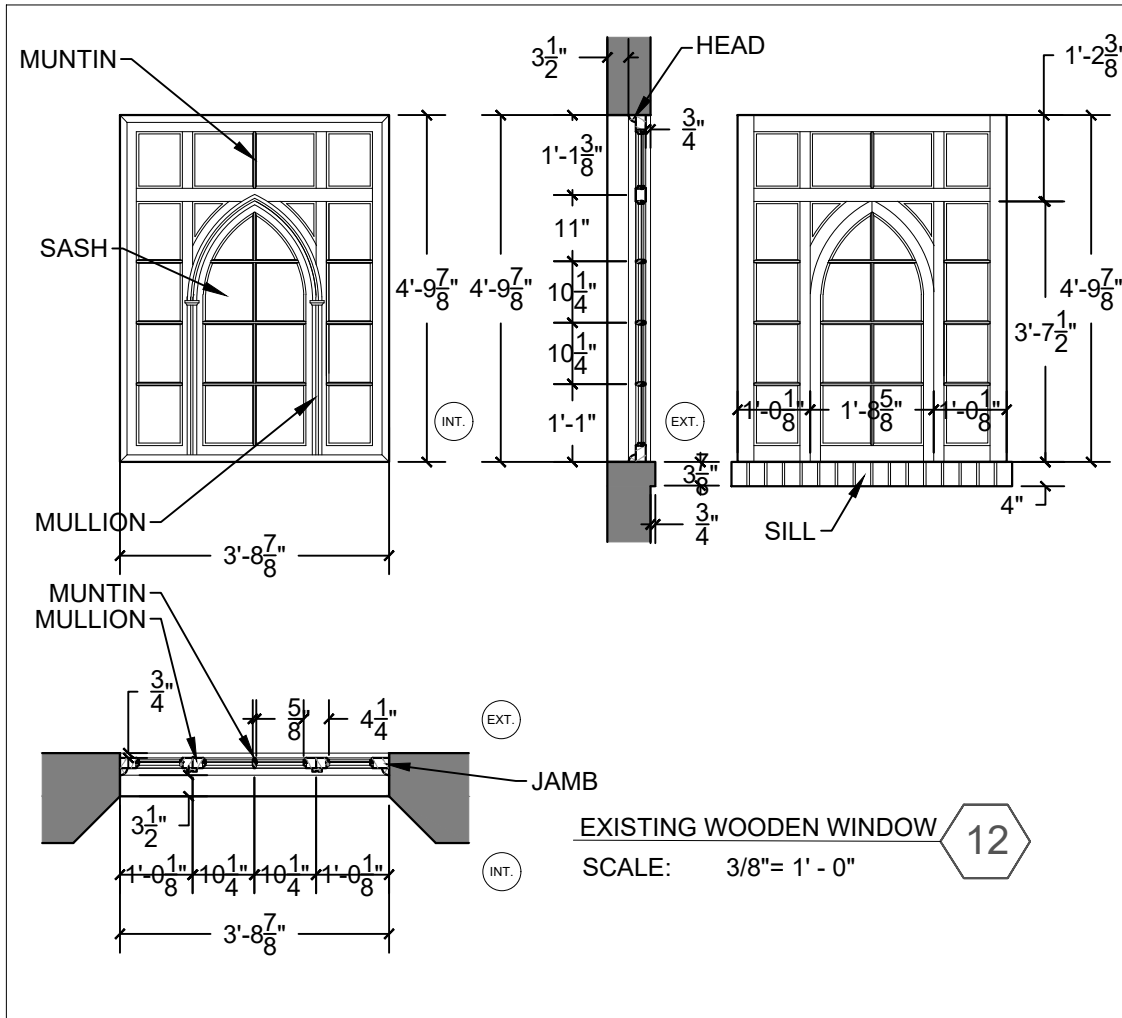
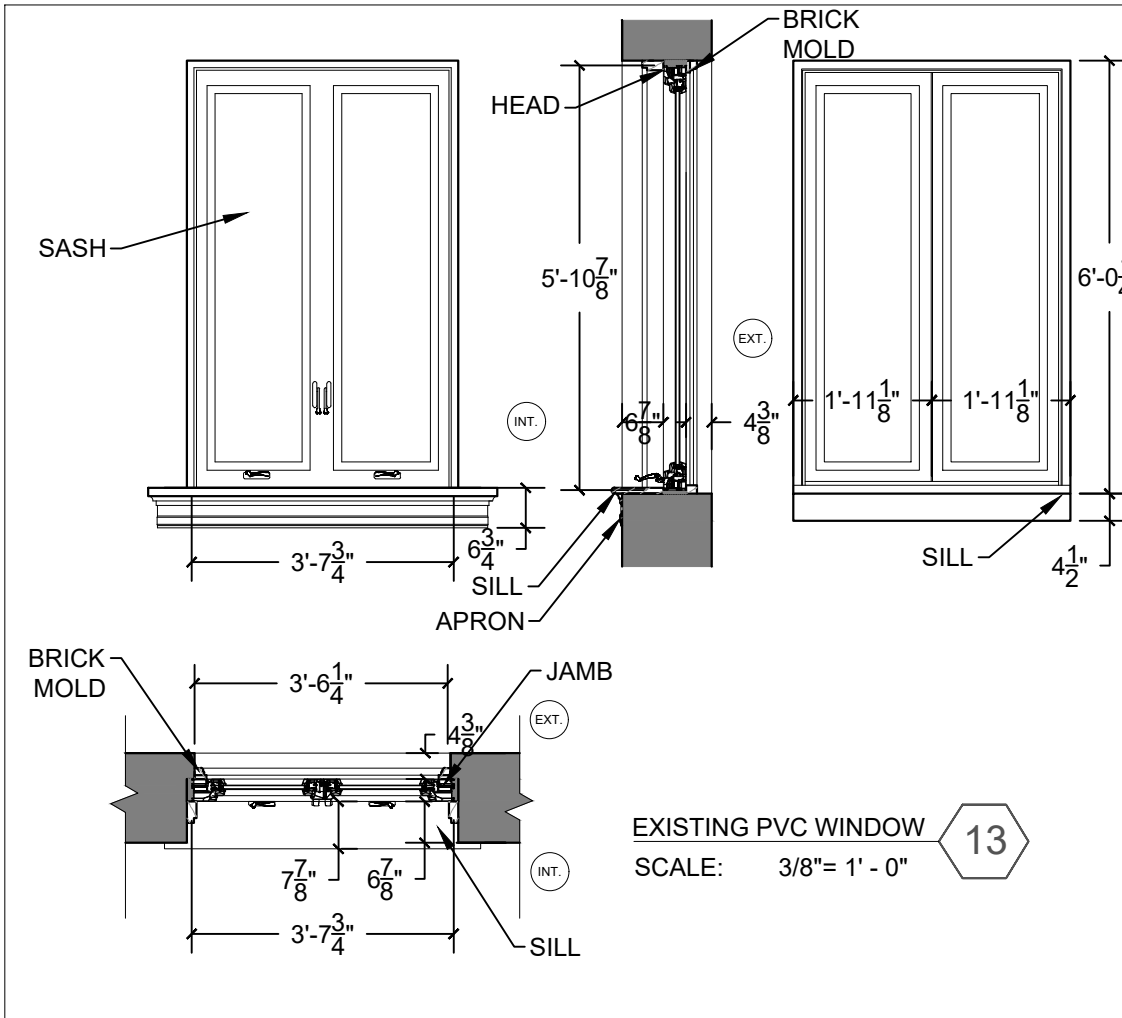
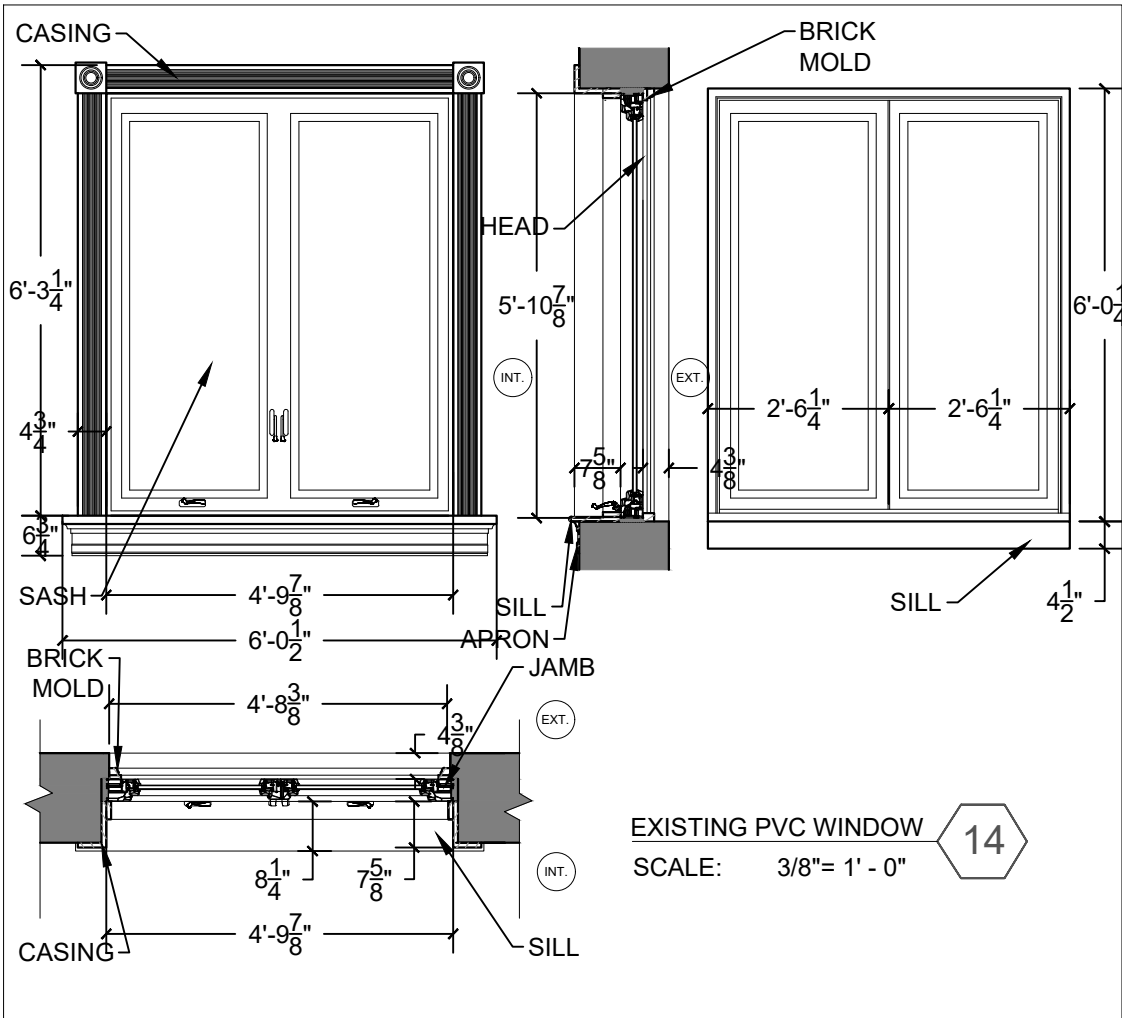
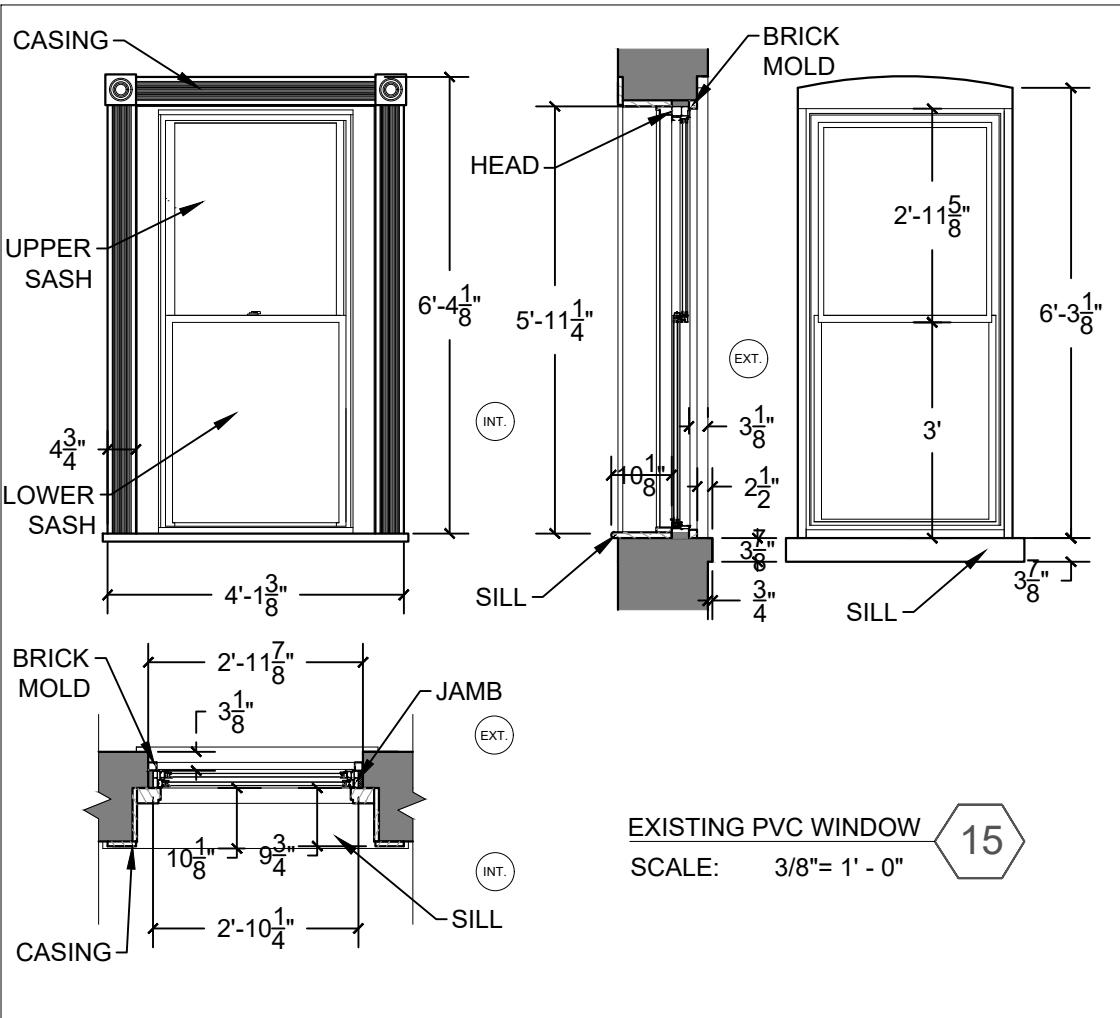
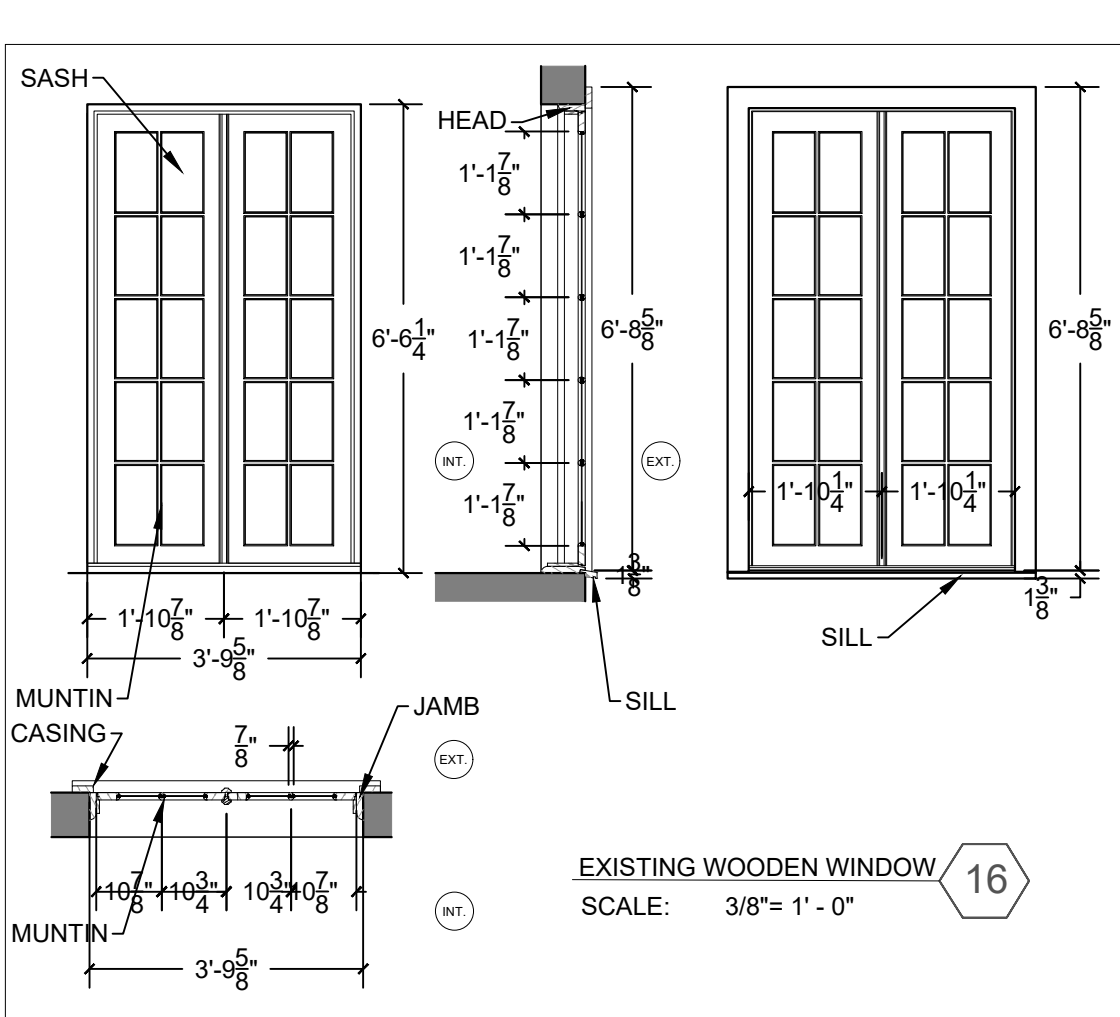
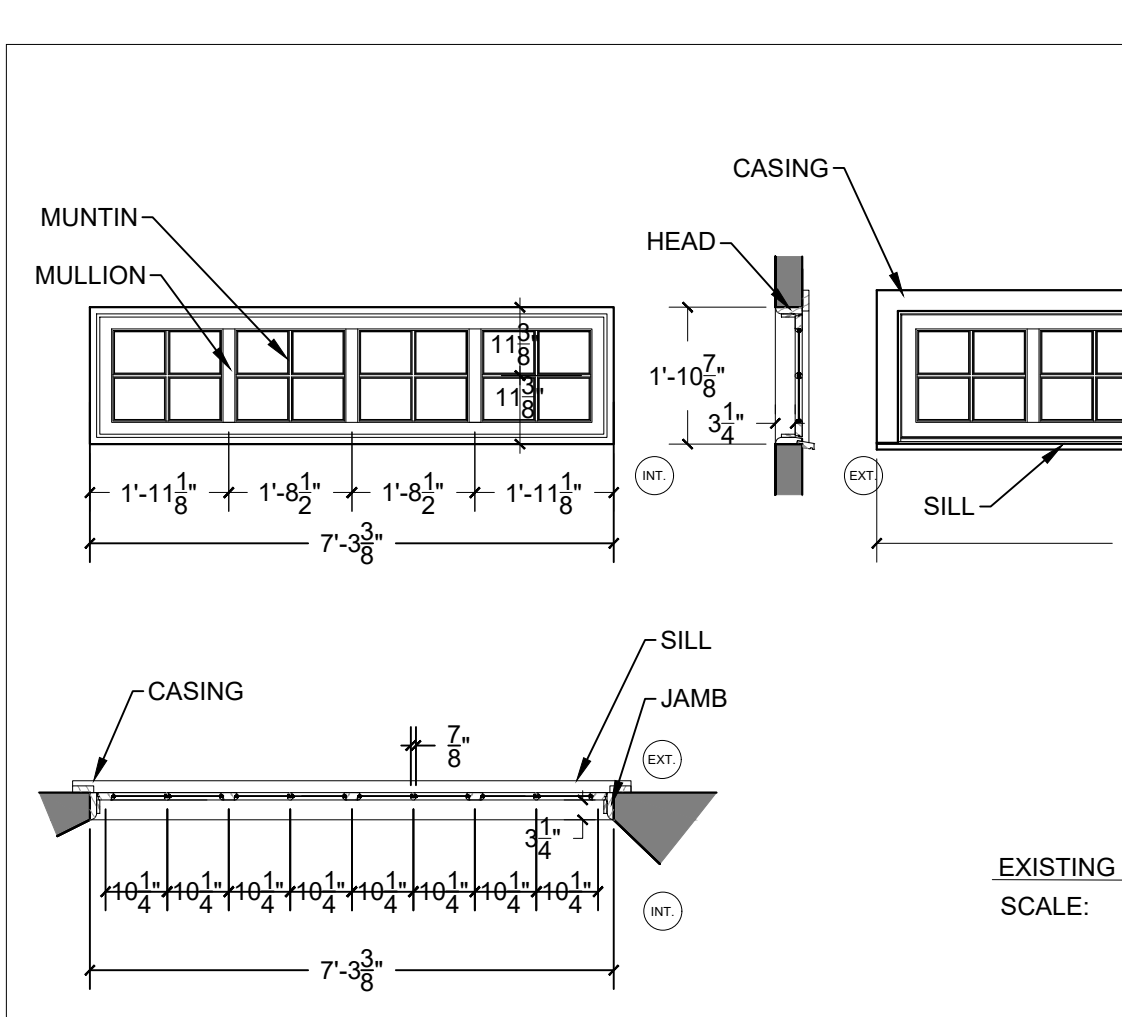
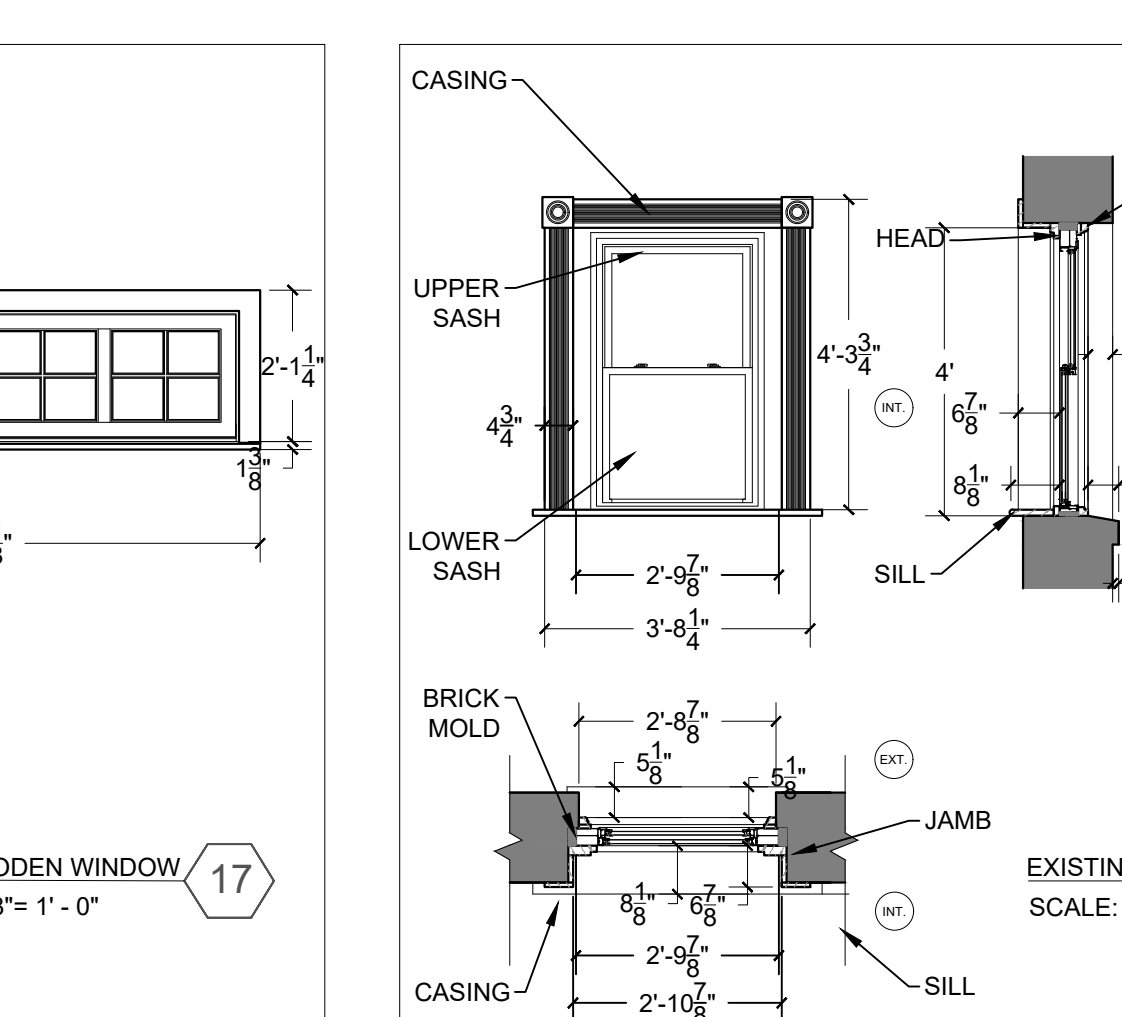
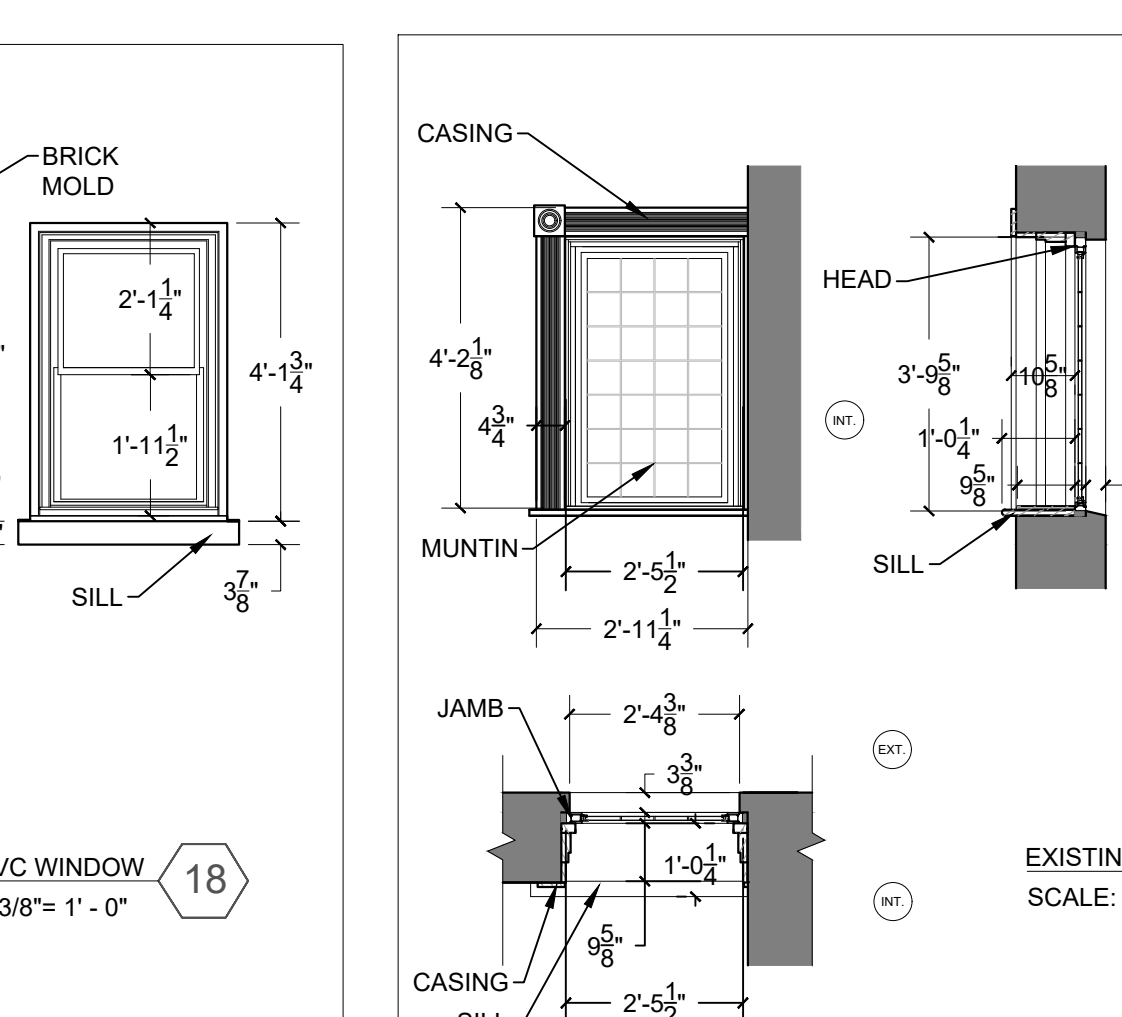
DATE: 07/28/20

SHEET NAME:

LIFT DETAIL

SHEET #:

A-506



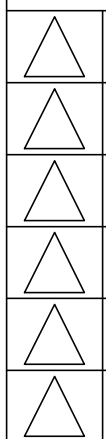
Atelier MjK

ATELIER MjK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C. 20009
(202)-643-3995

ECO
JaunRīga
DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:



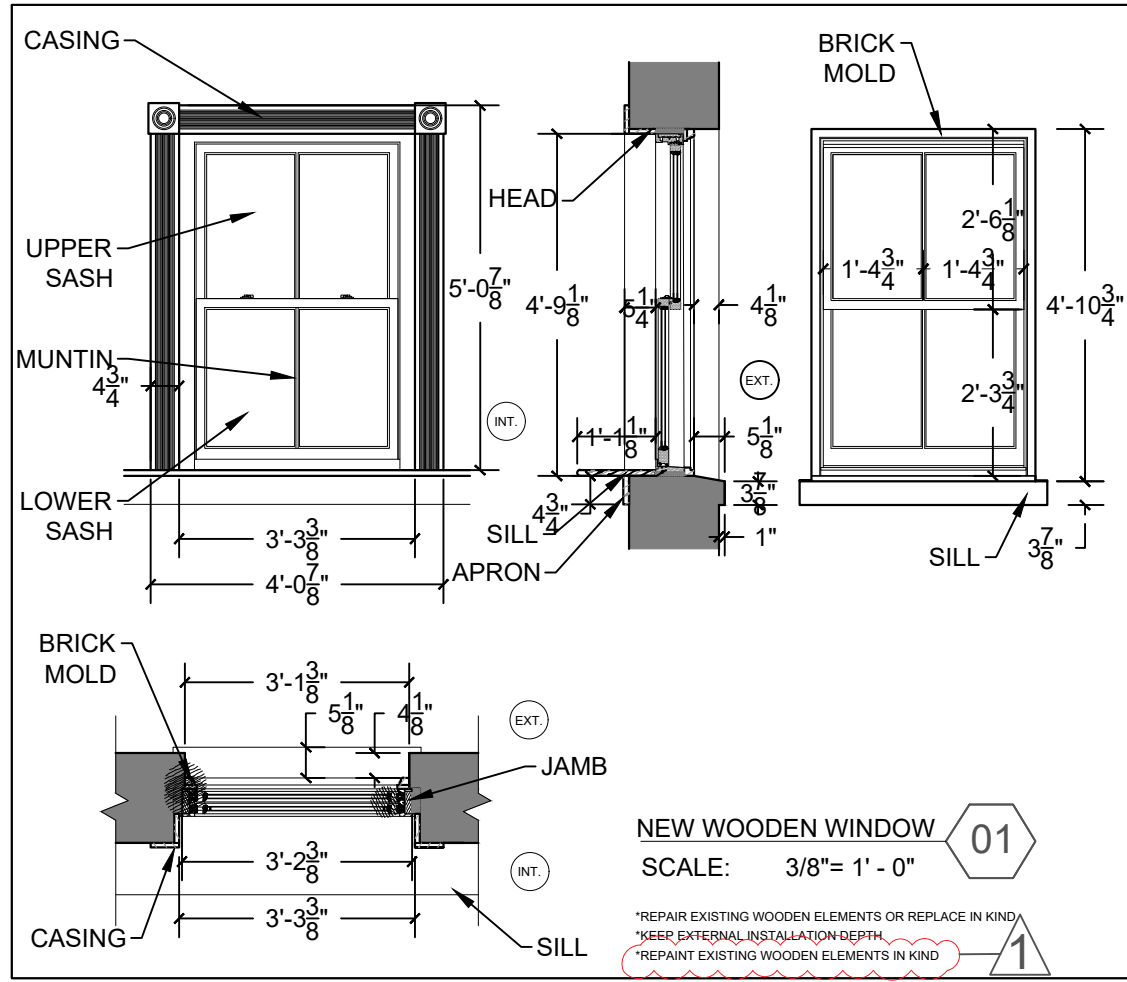
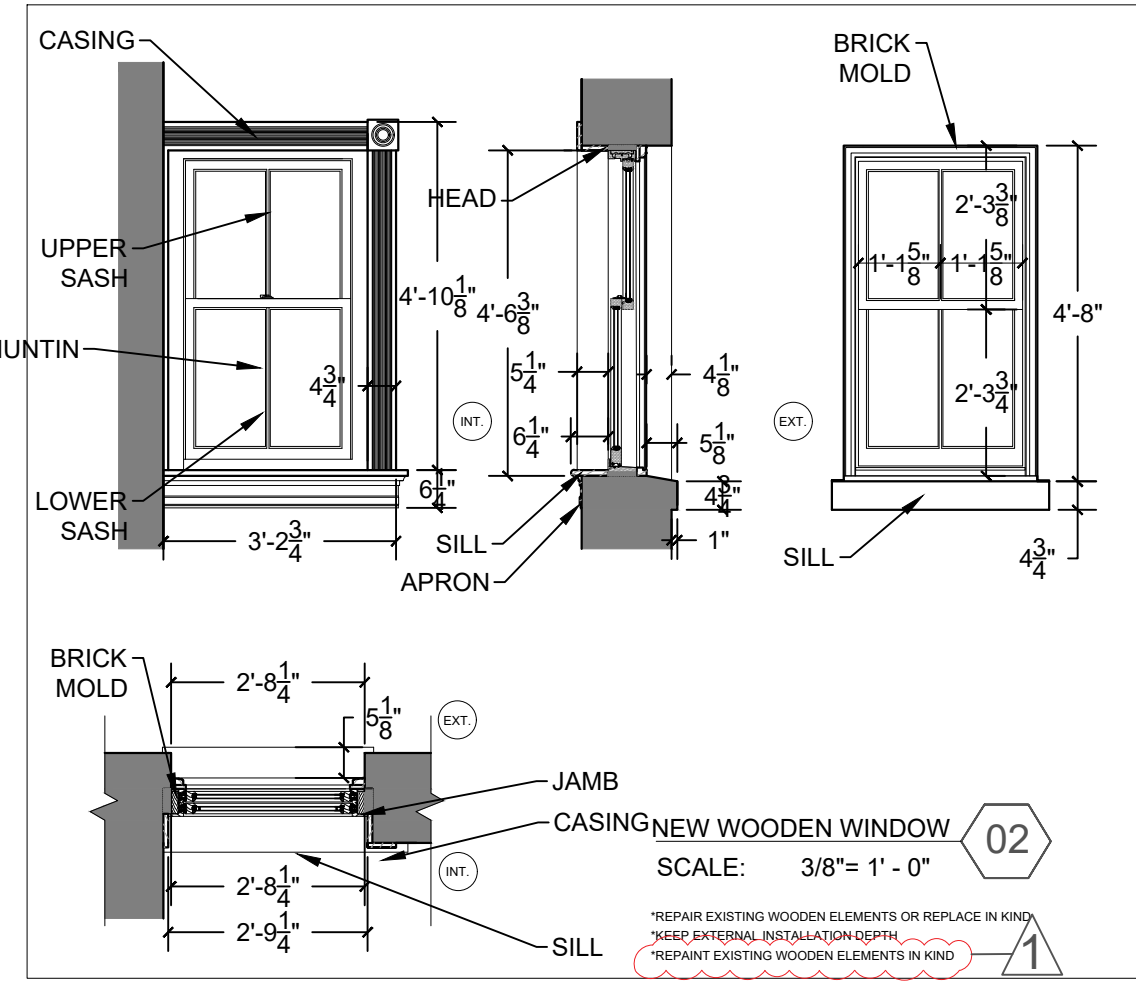
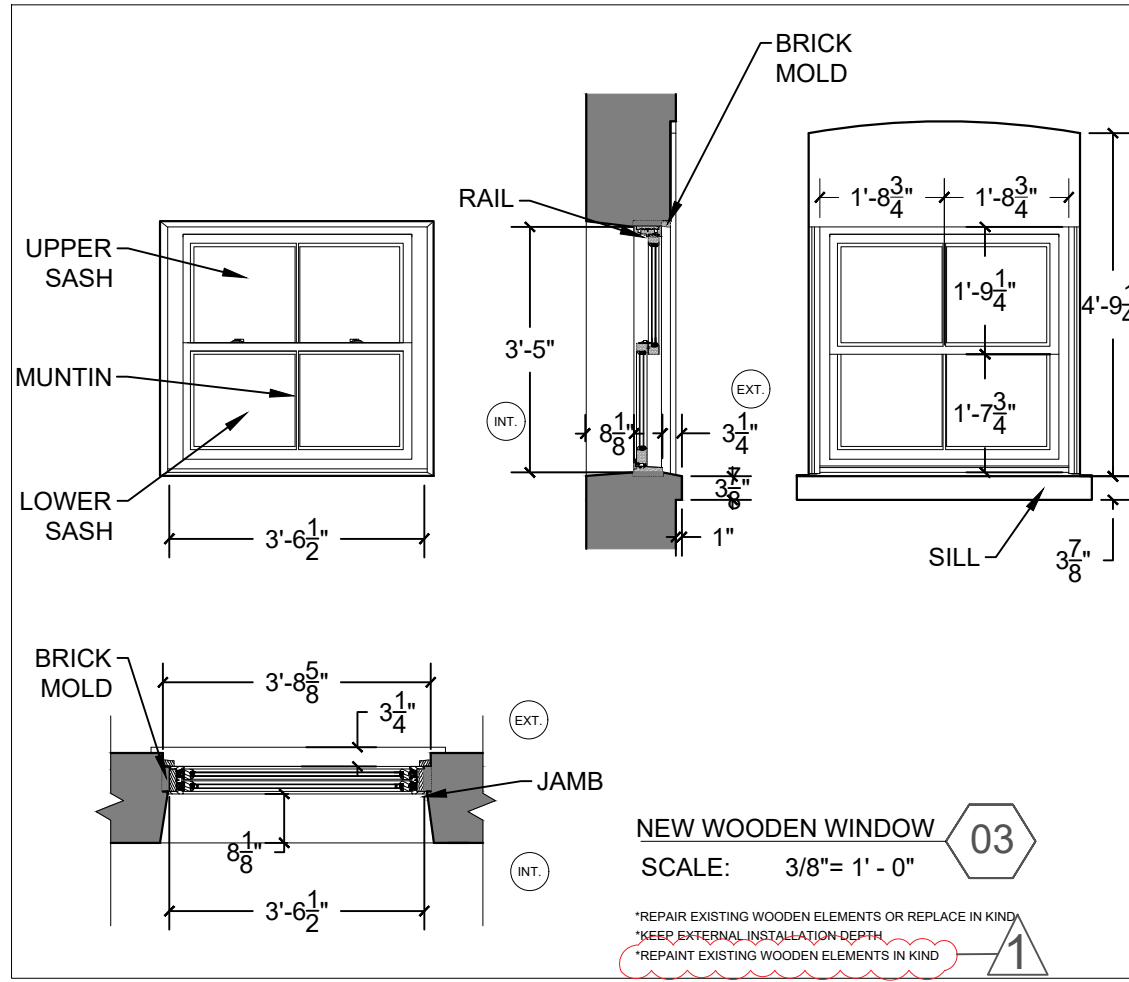
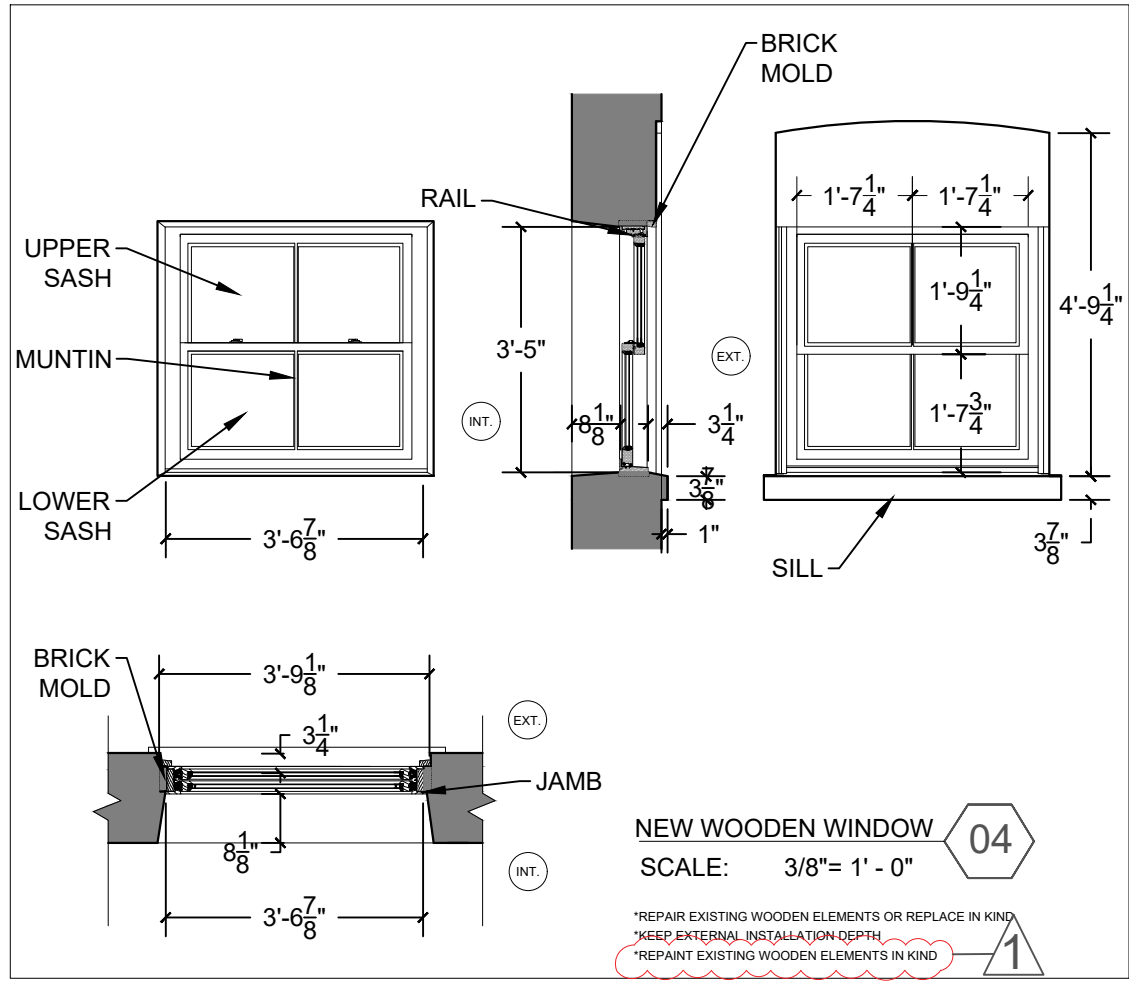
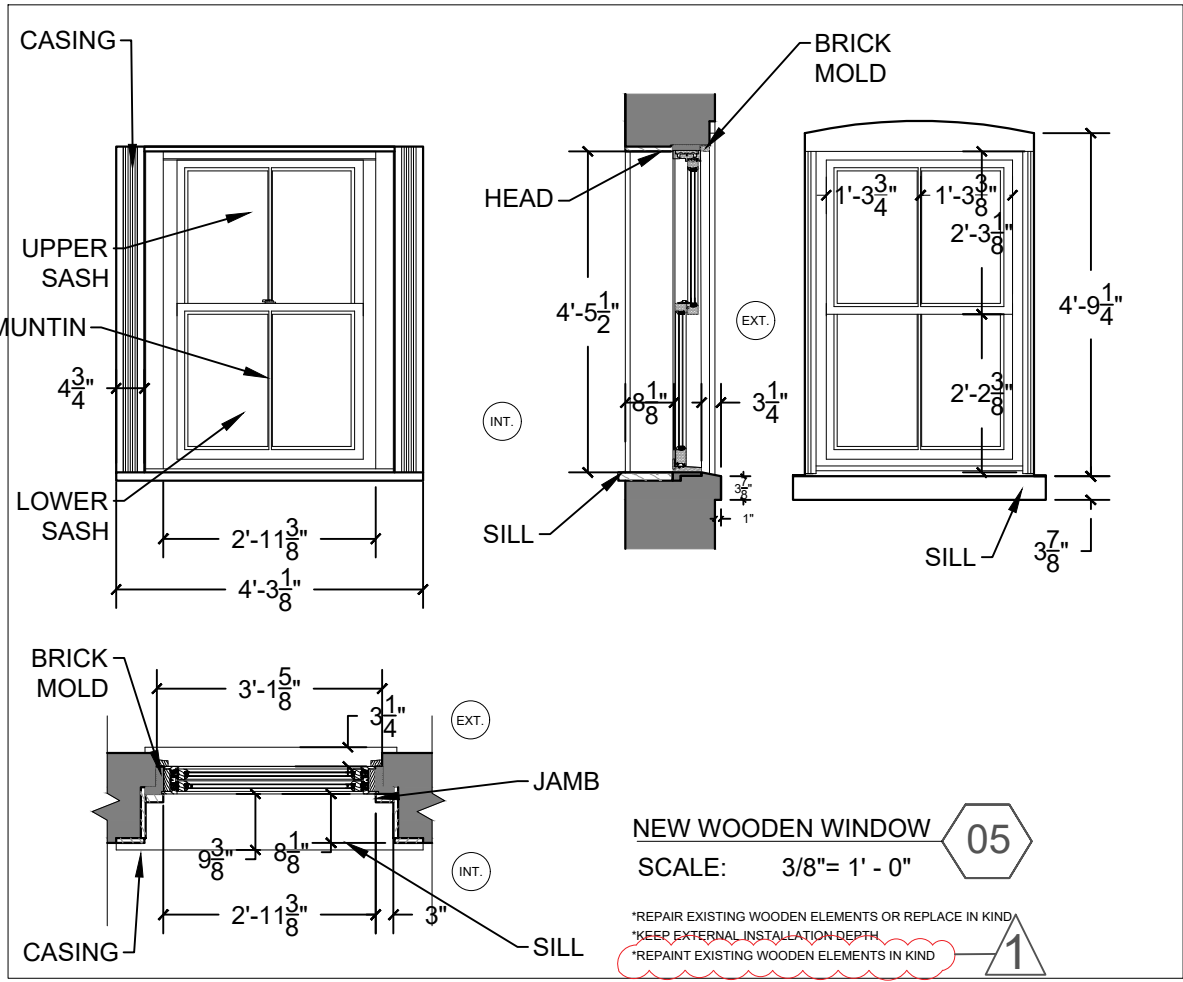
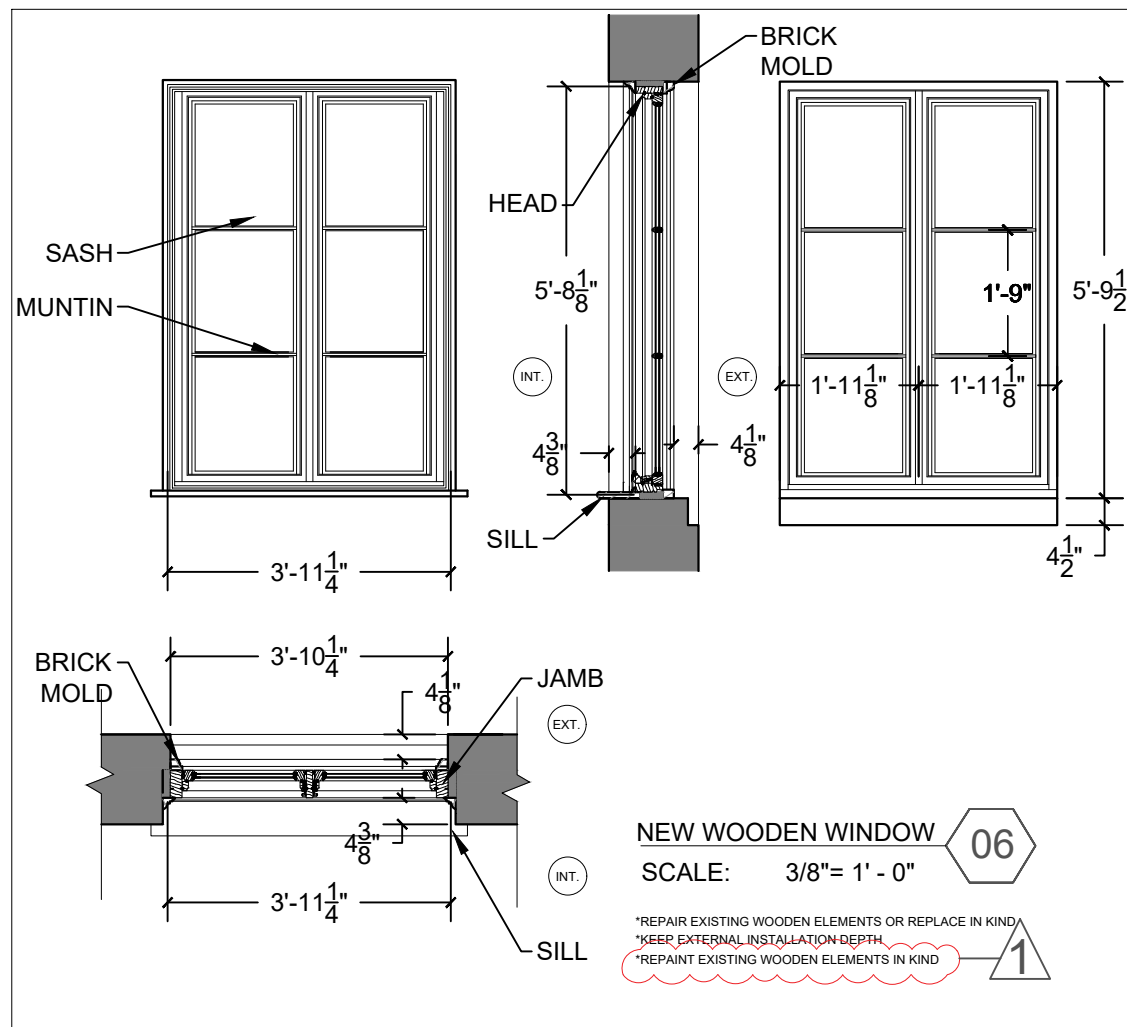
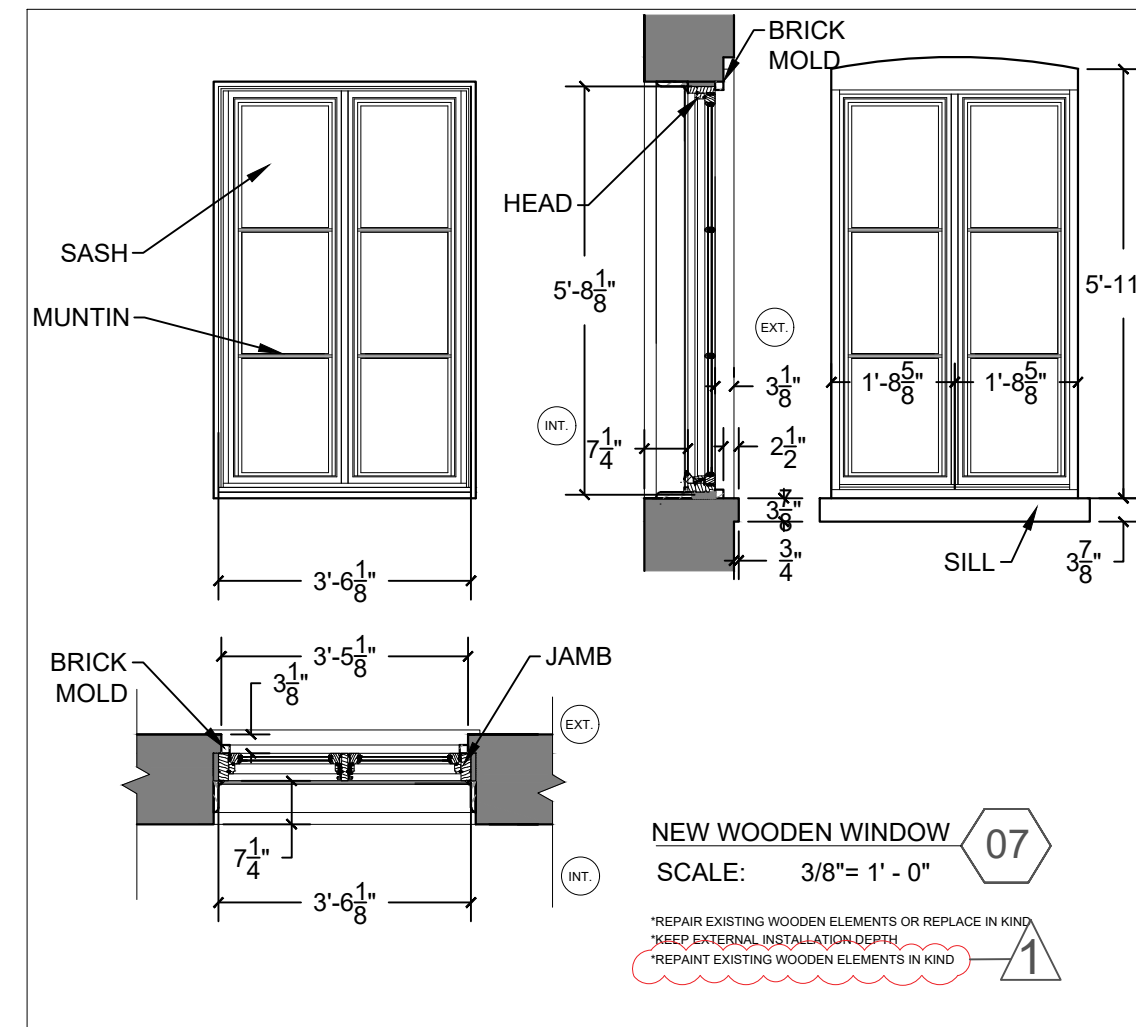
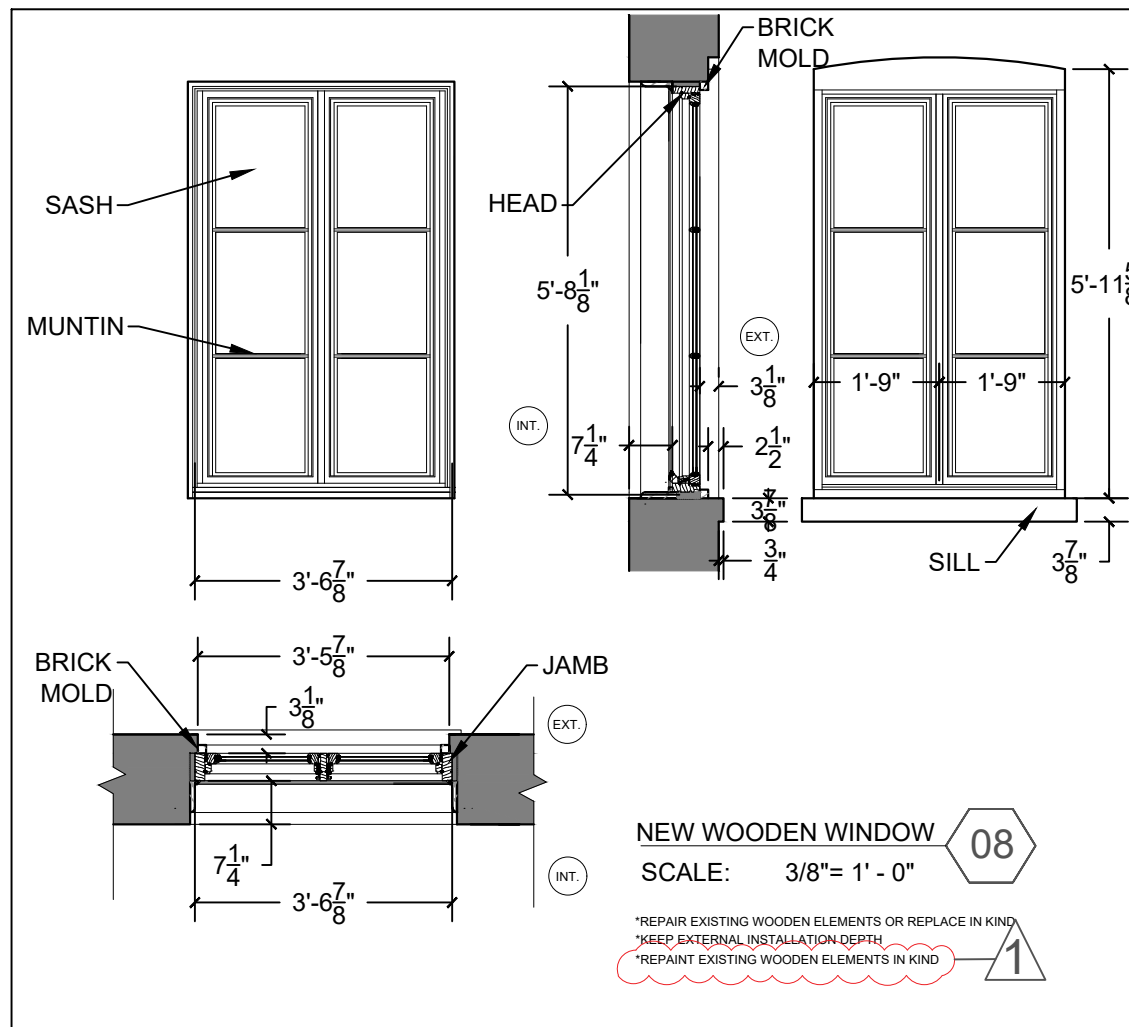
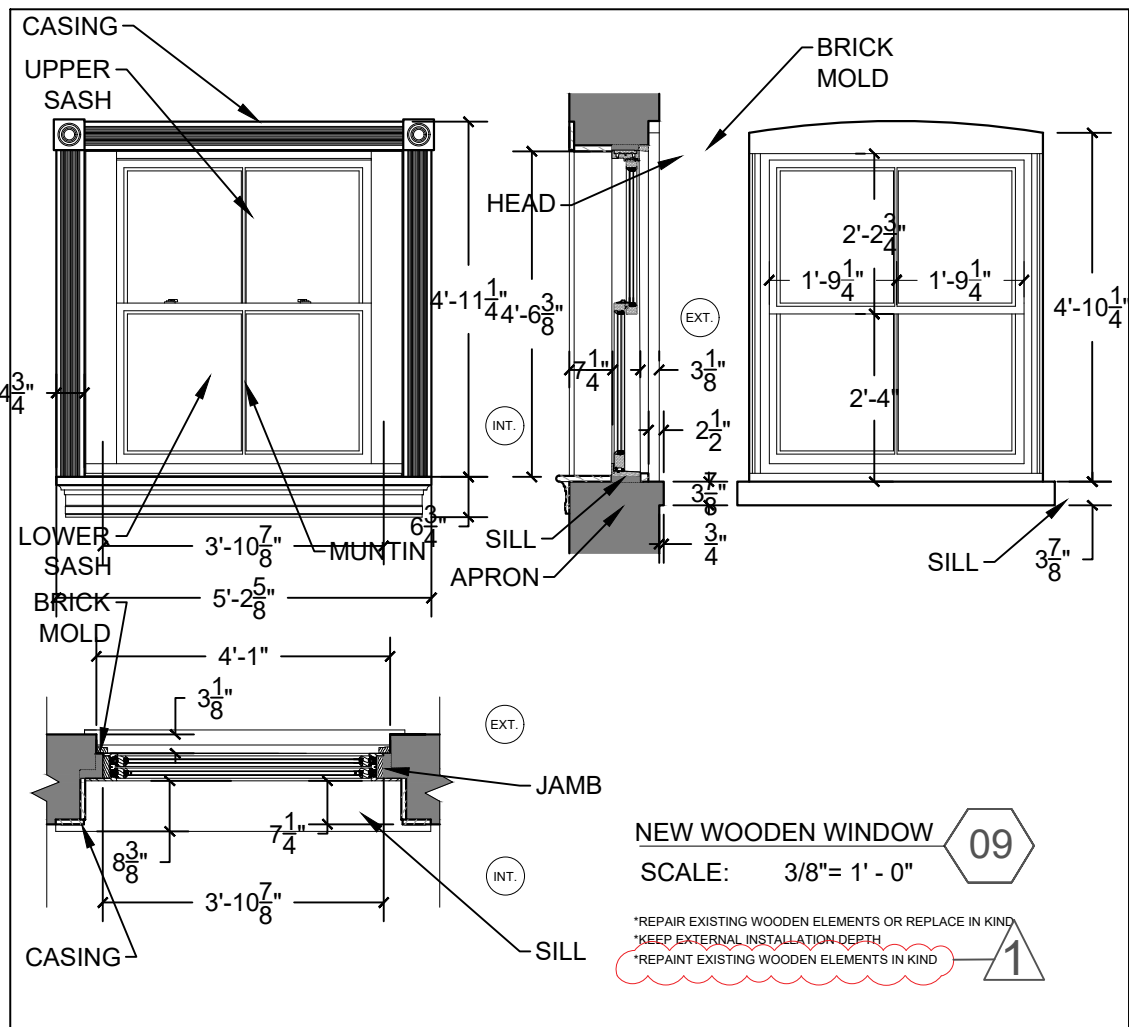
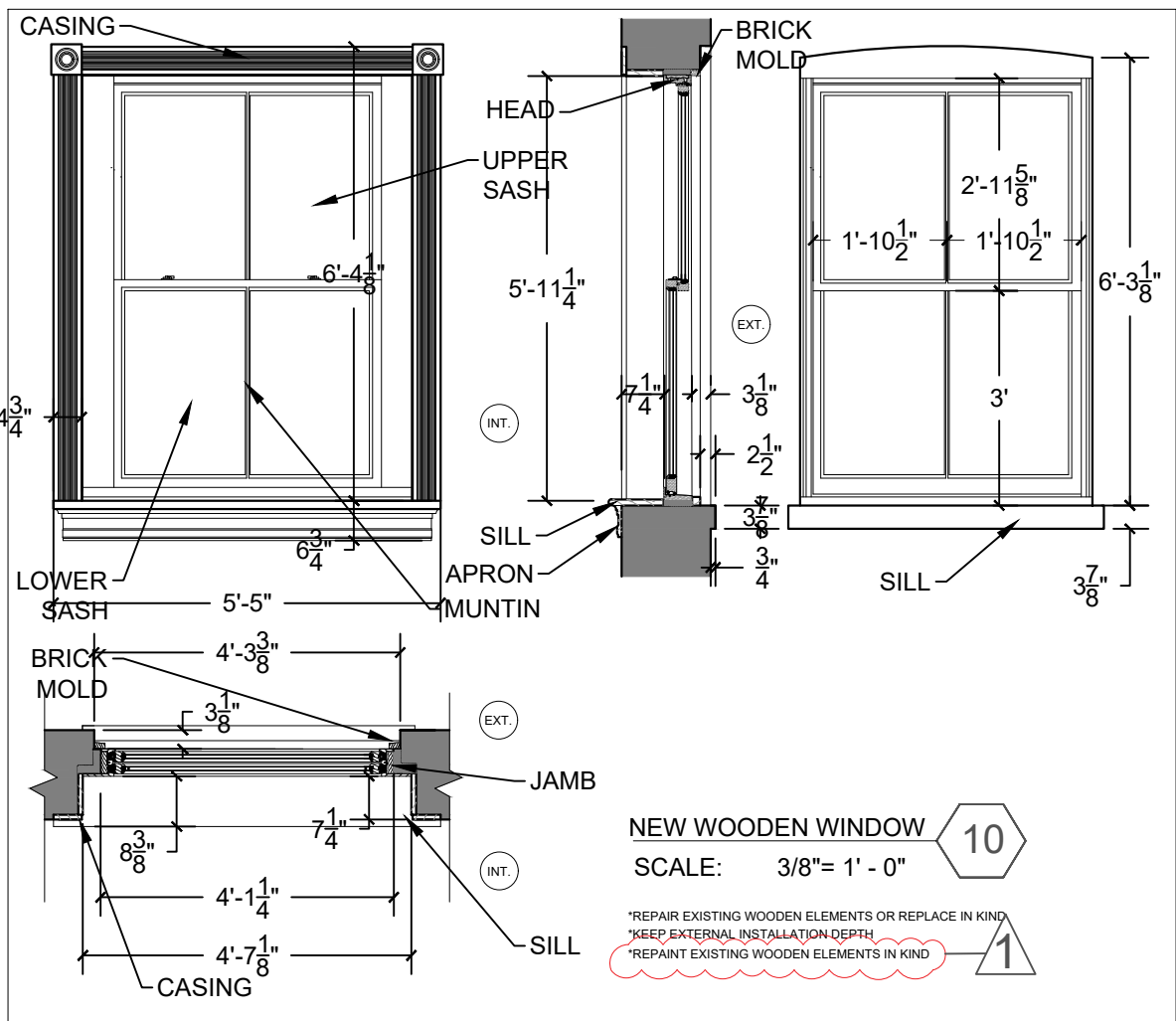
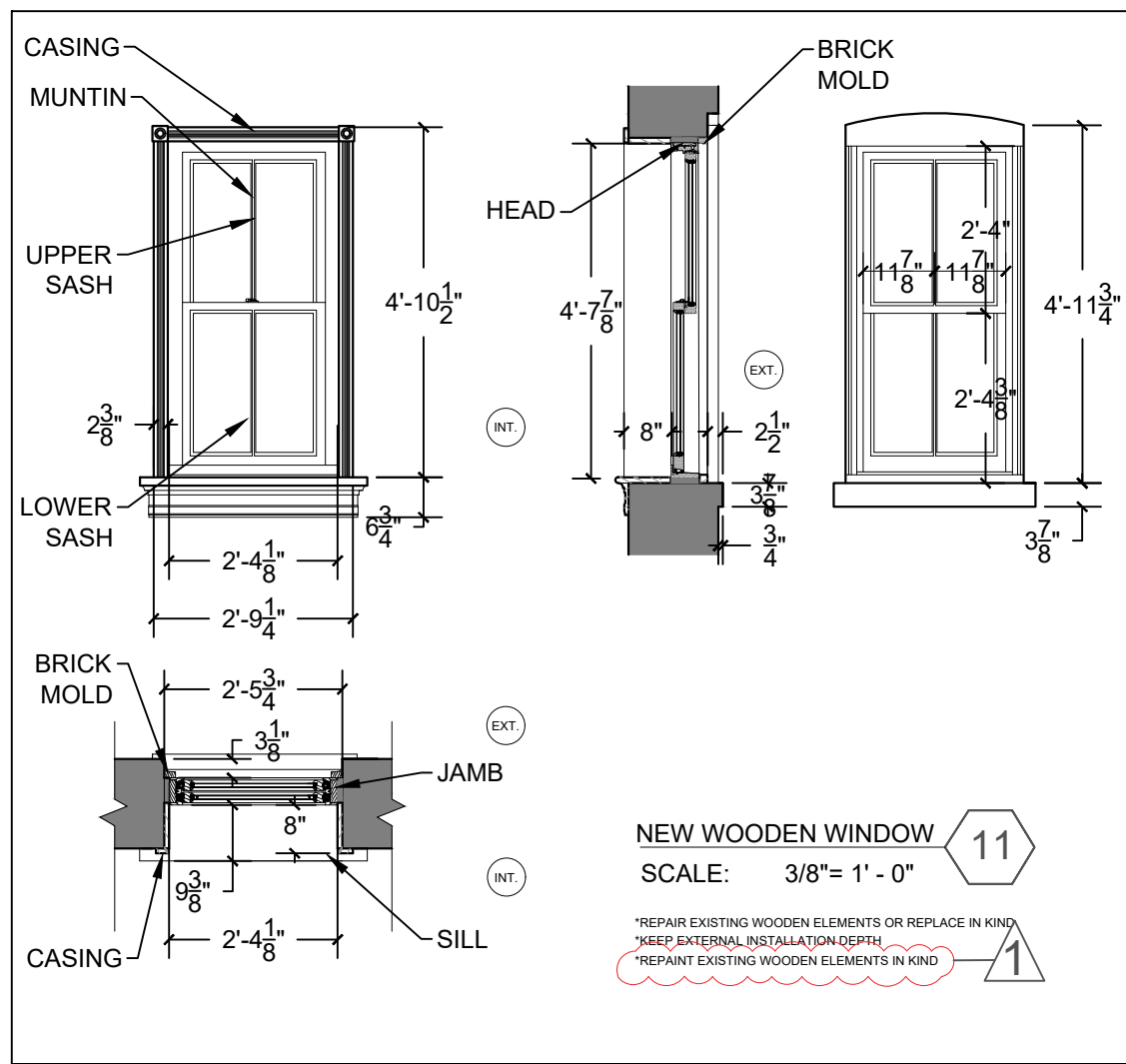
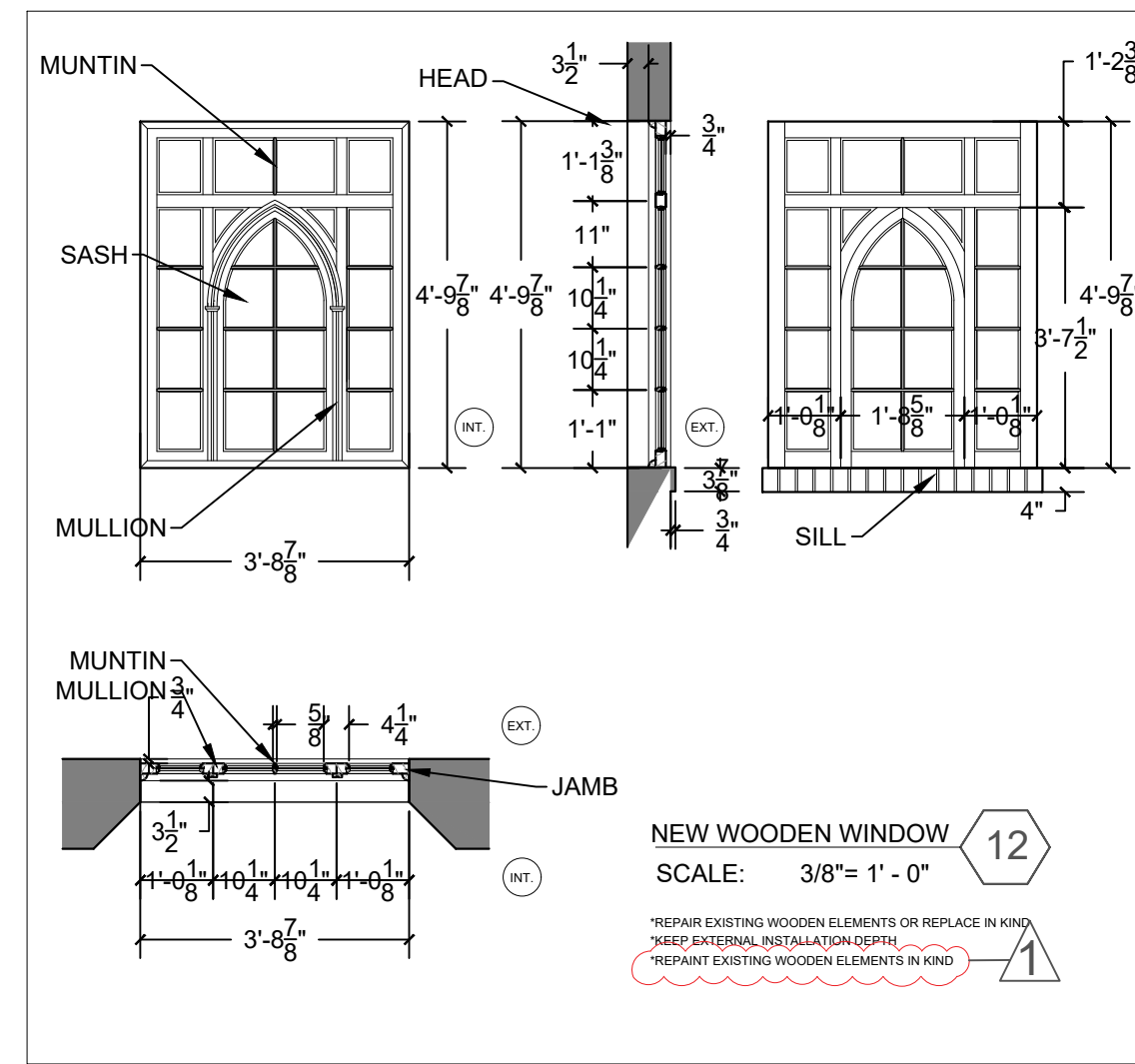
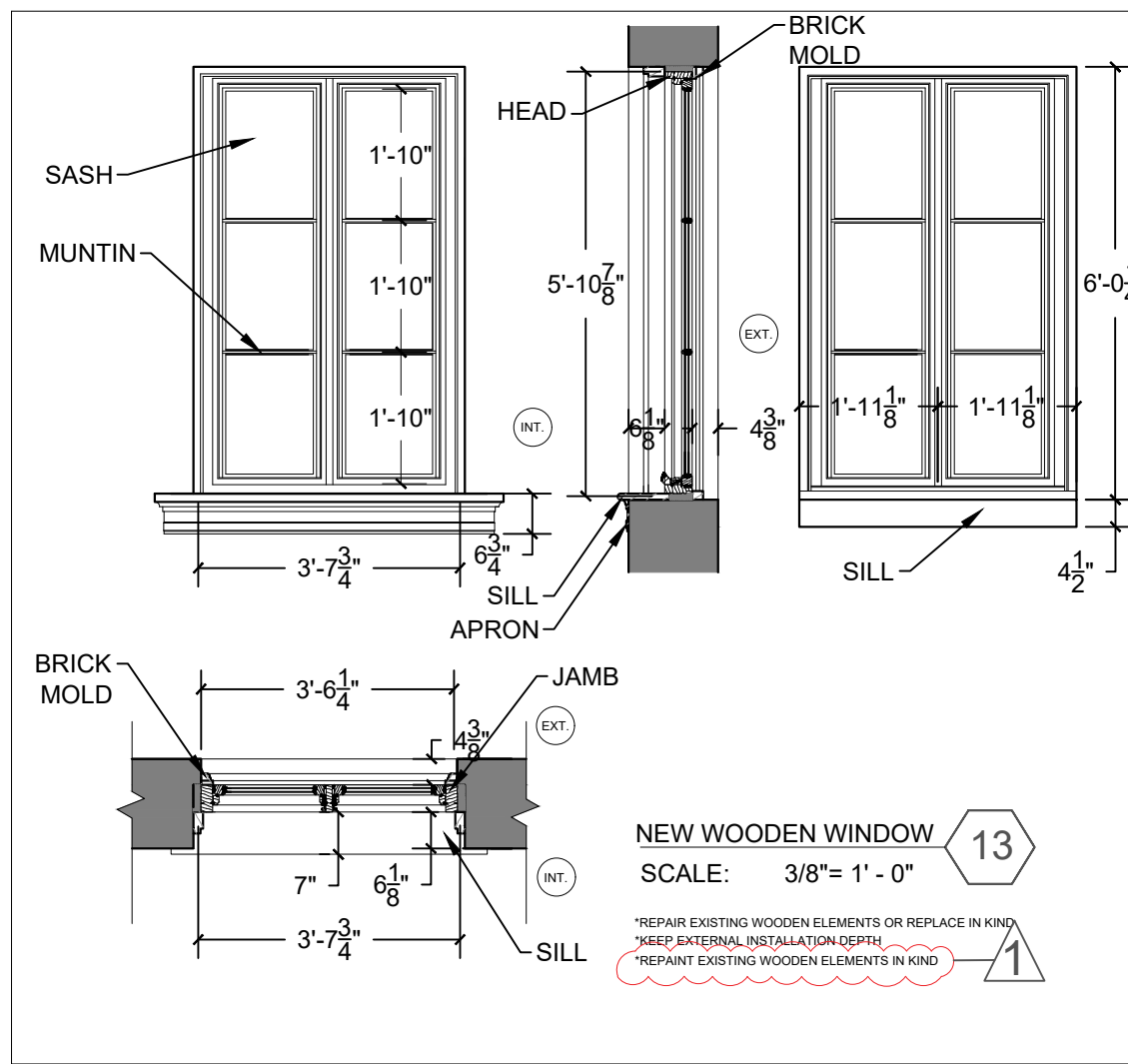
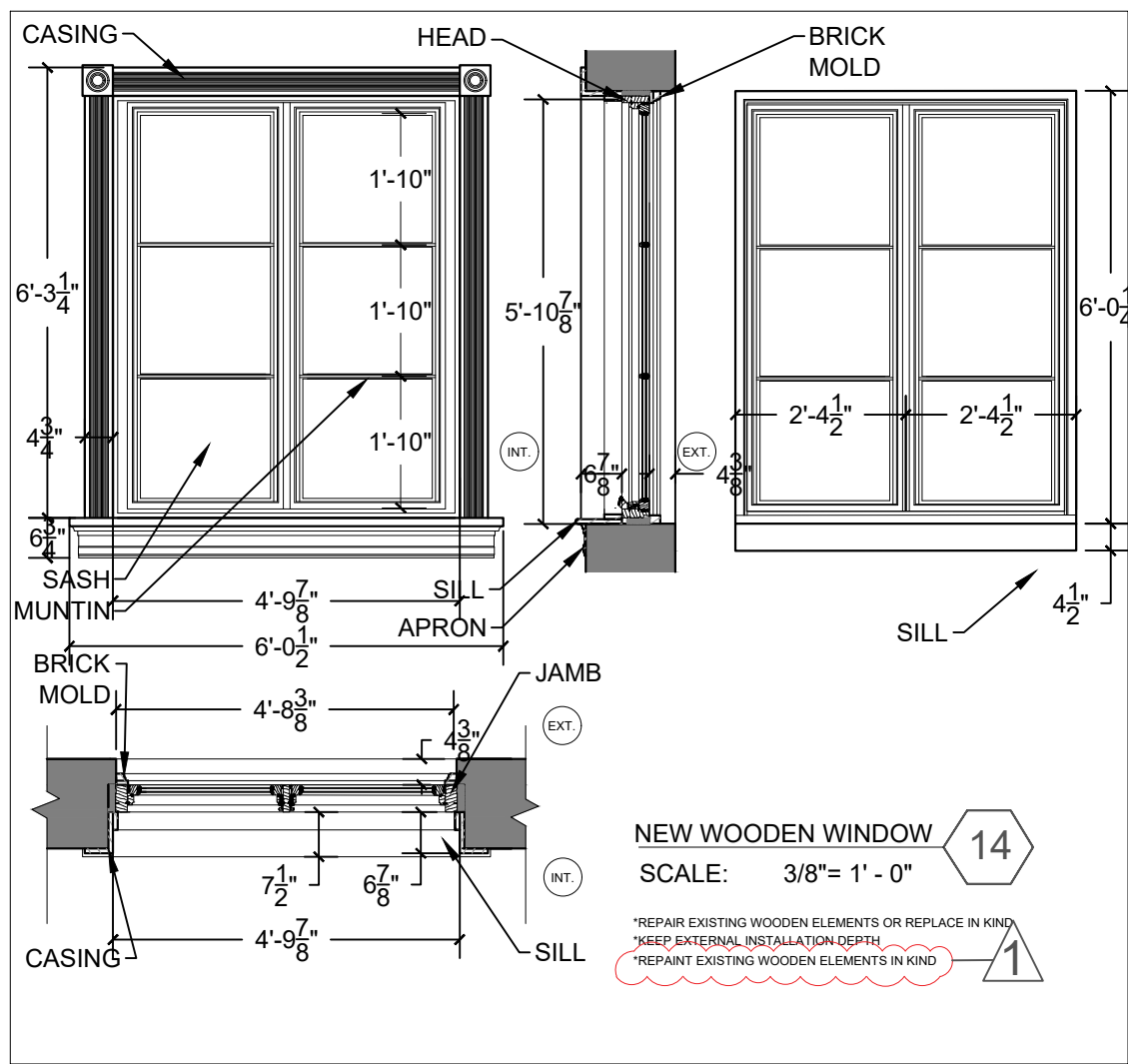
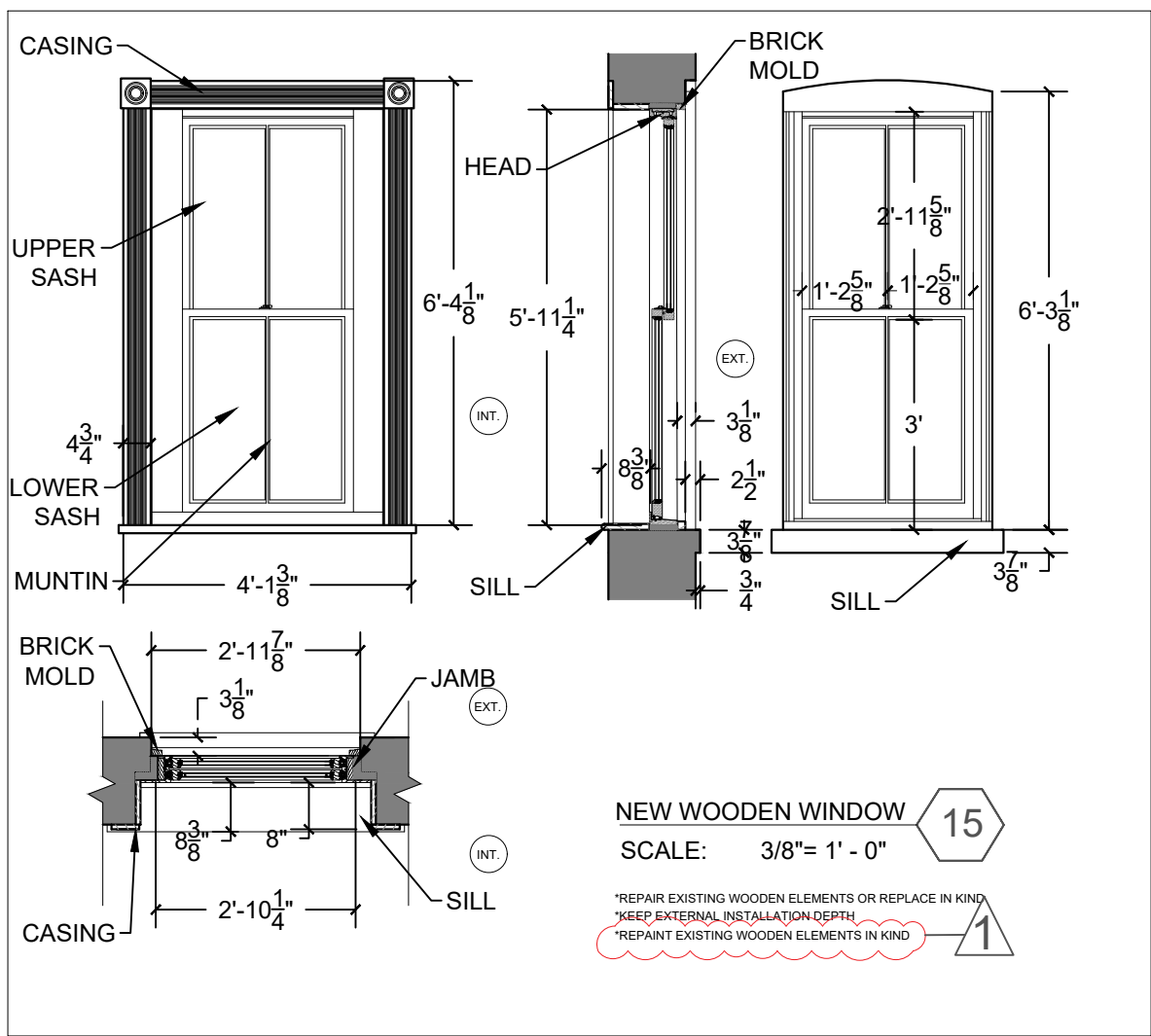
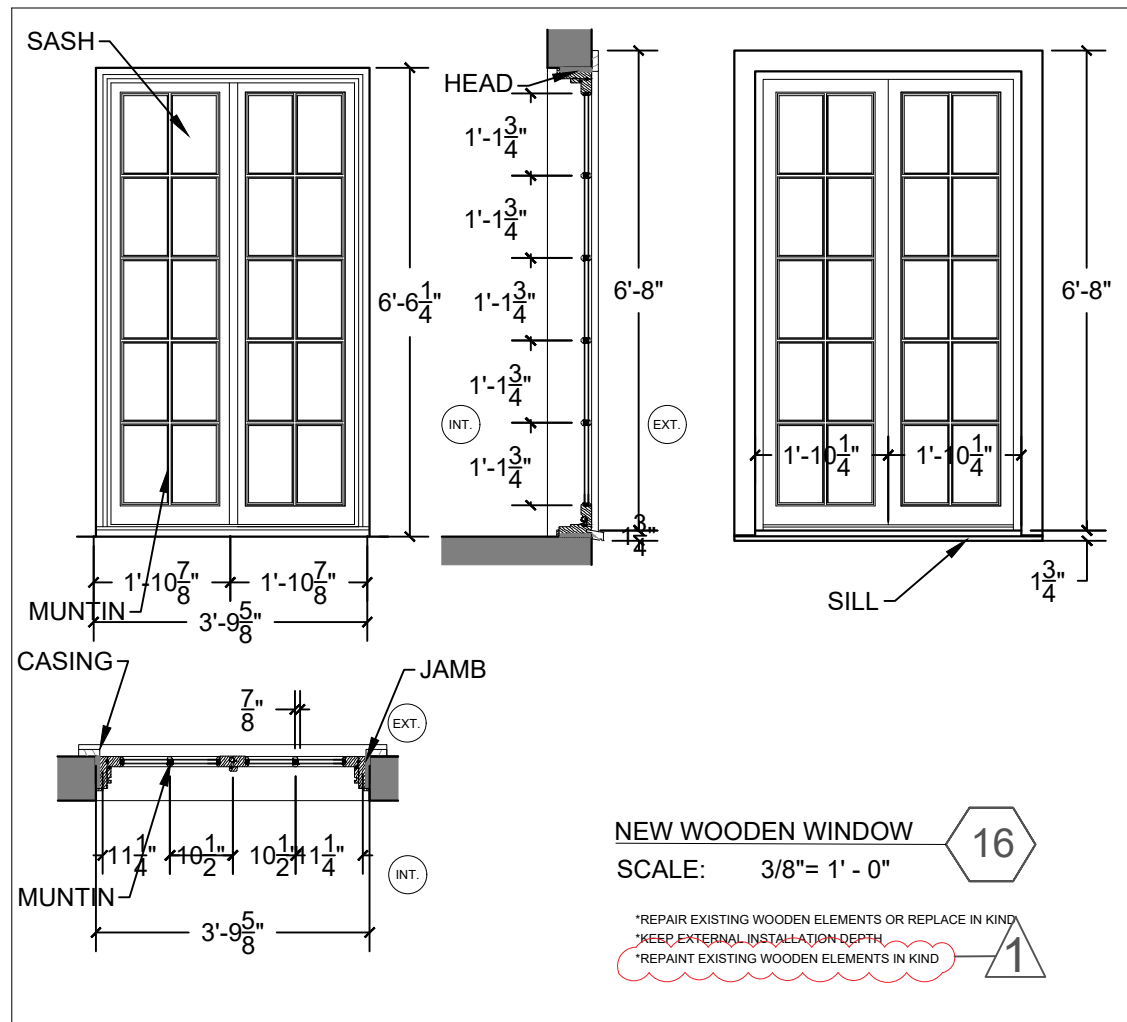
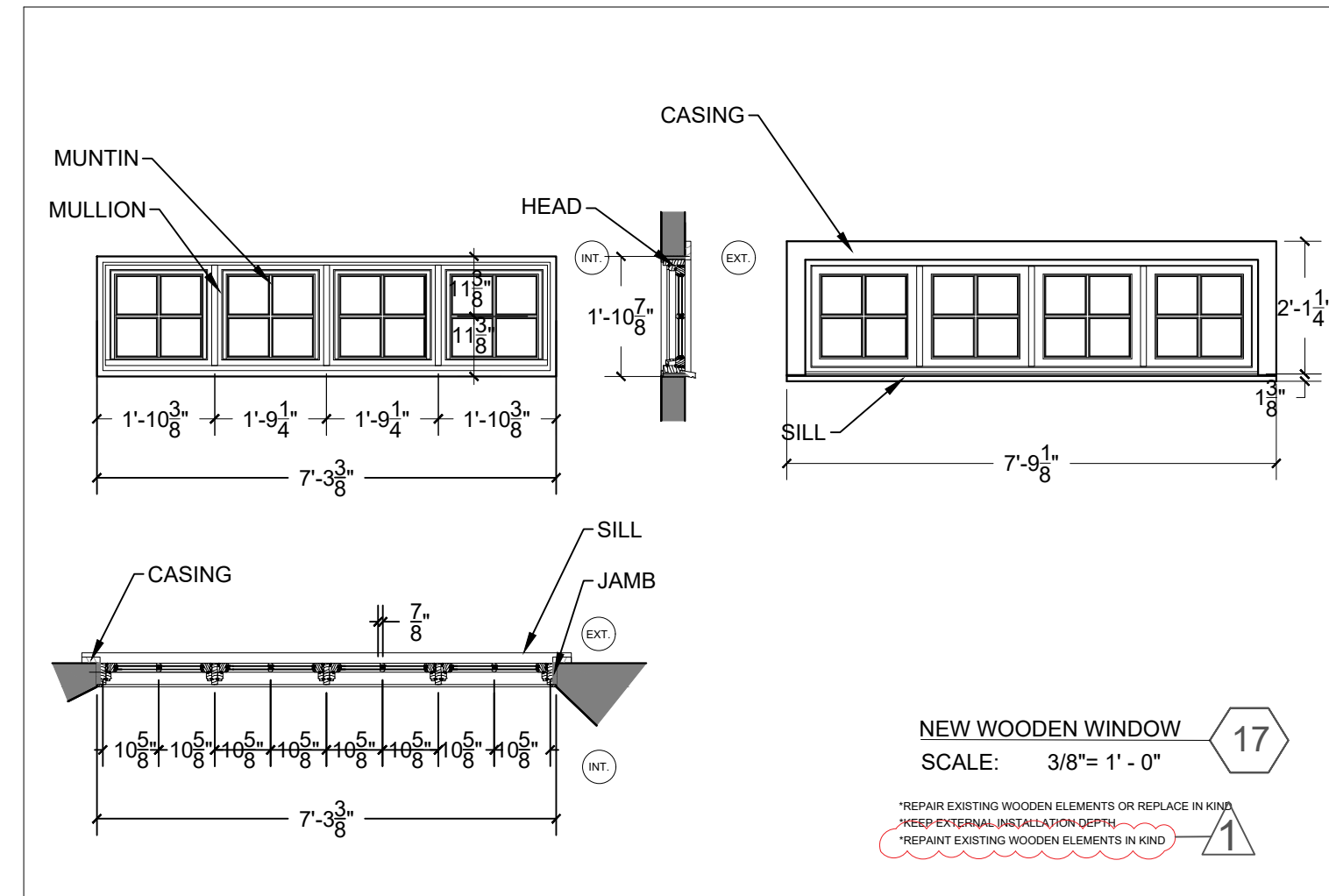
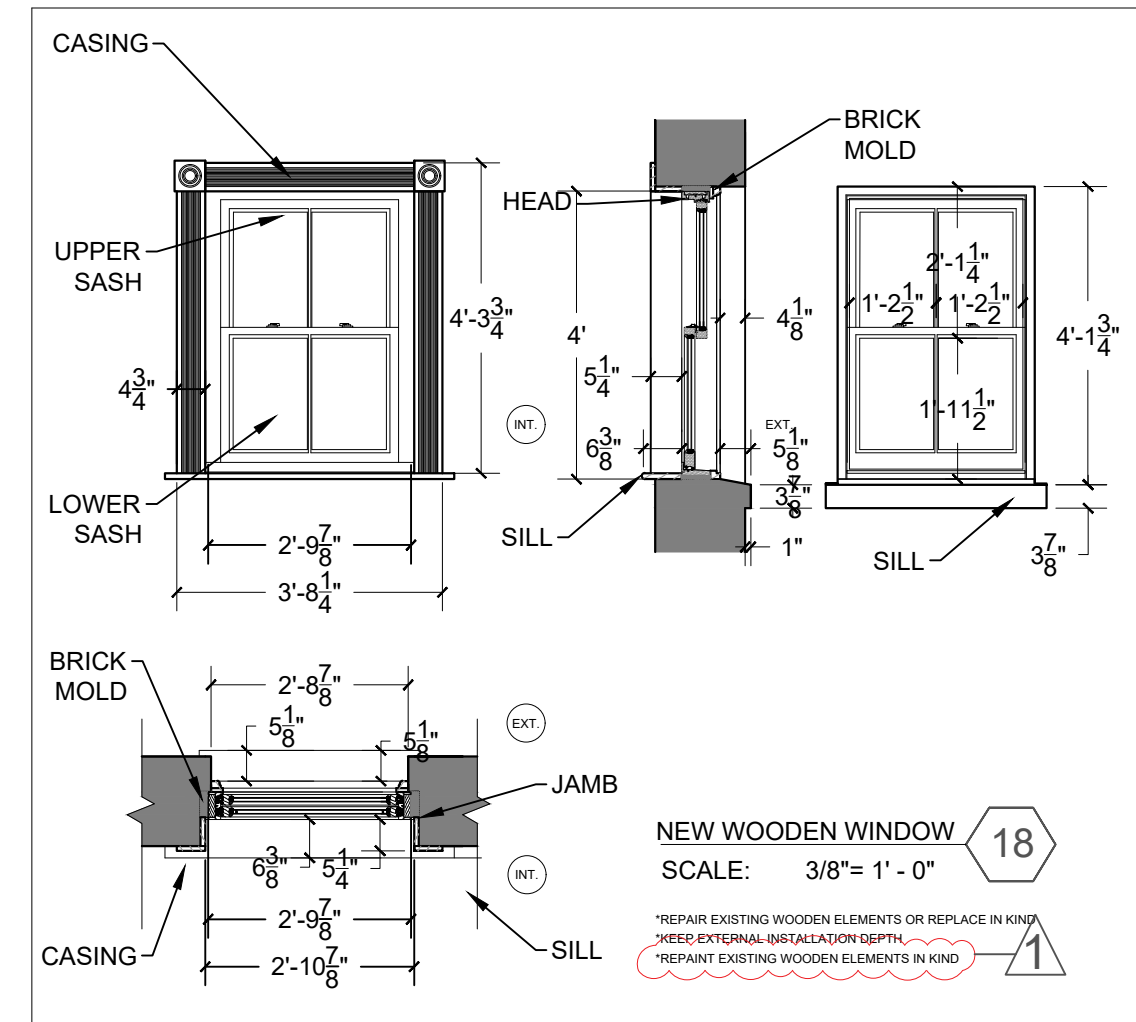
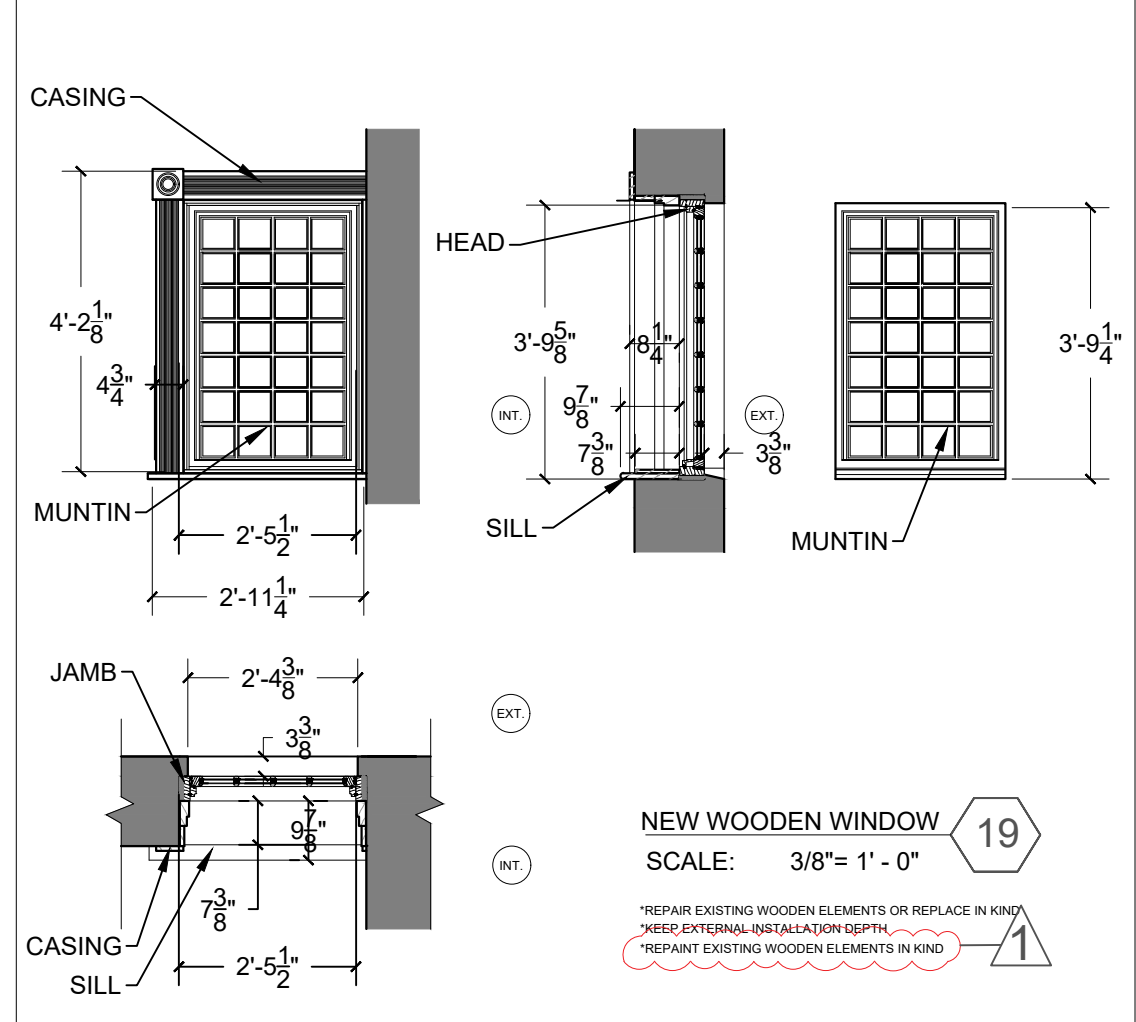
DATE: 07/28/20

SHEET NAME:

EXISTING WINDOWS

SHEET #:

A-507



Atelier MjK

ATELIER MjK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202) 643-3995

JaunRīga
DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE.,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△	02/16/21
△	
△	
△	
△	

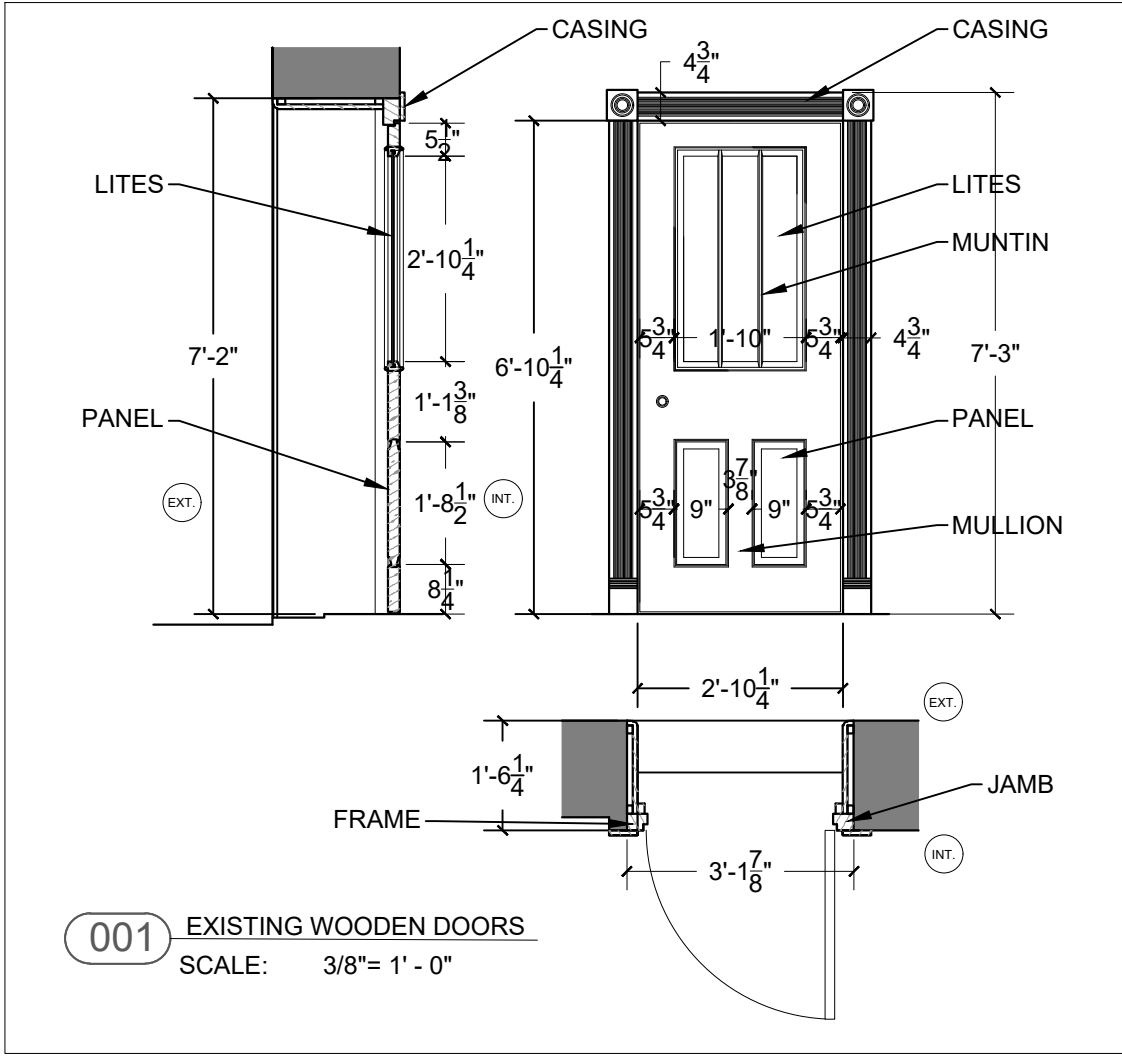
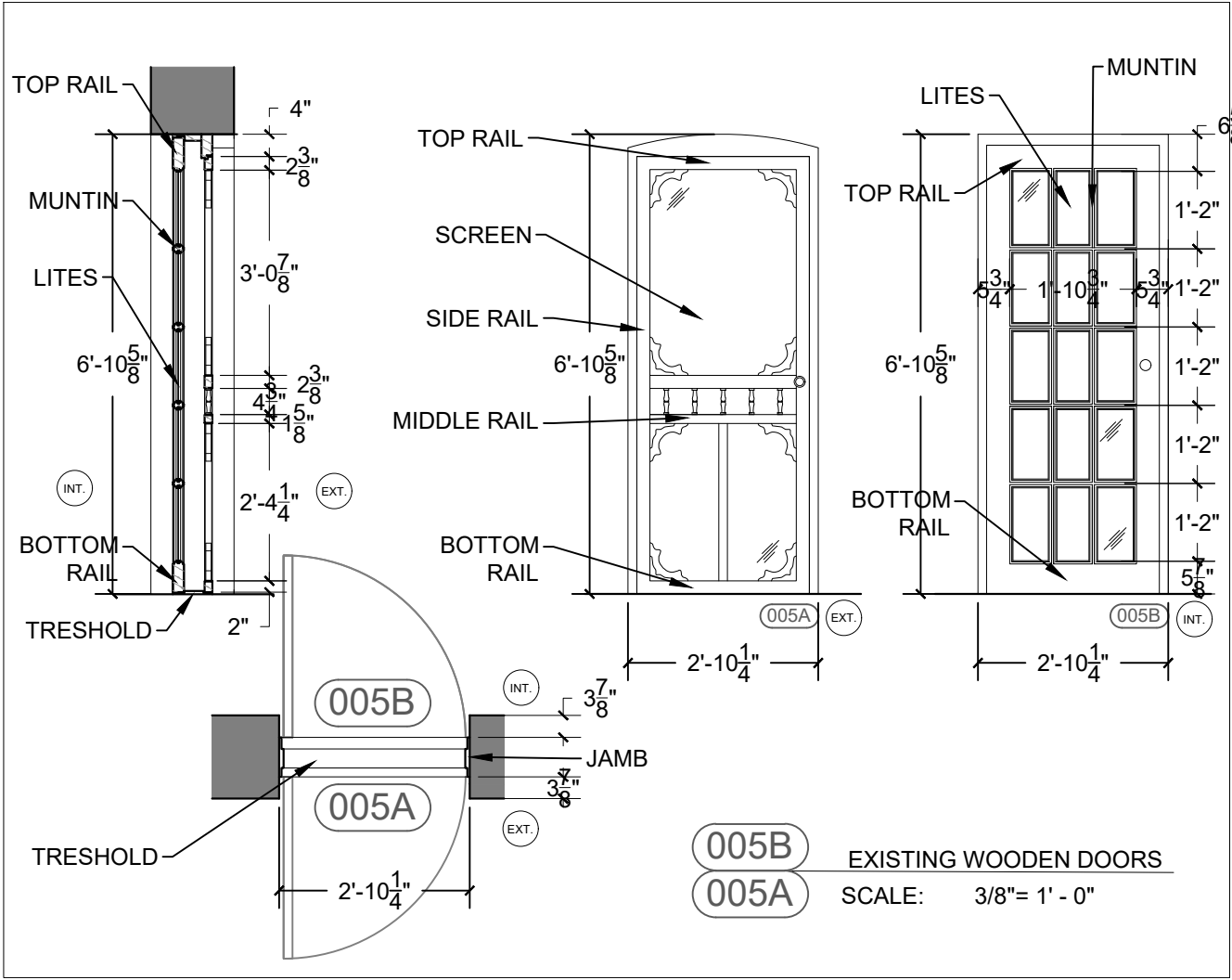
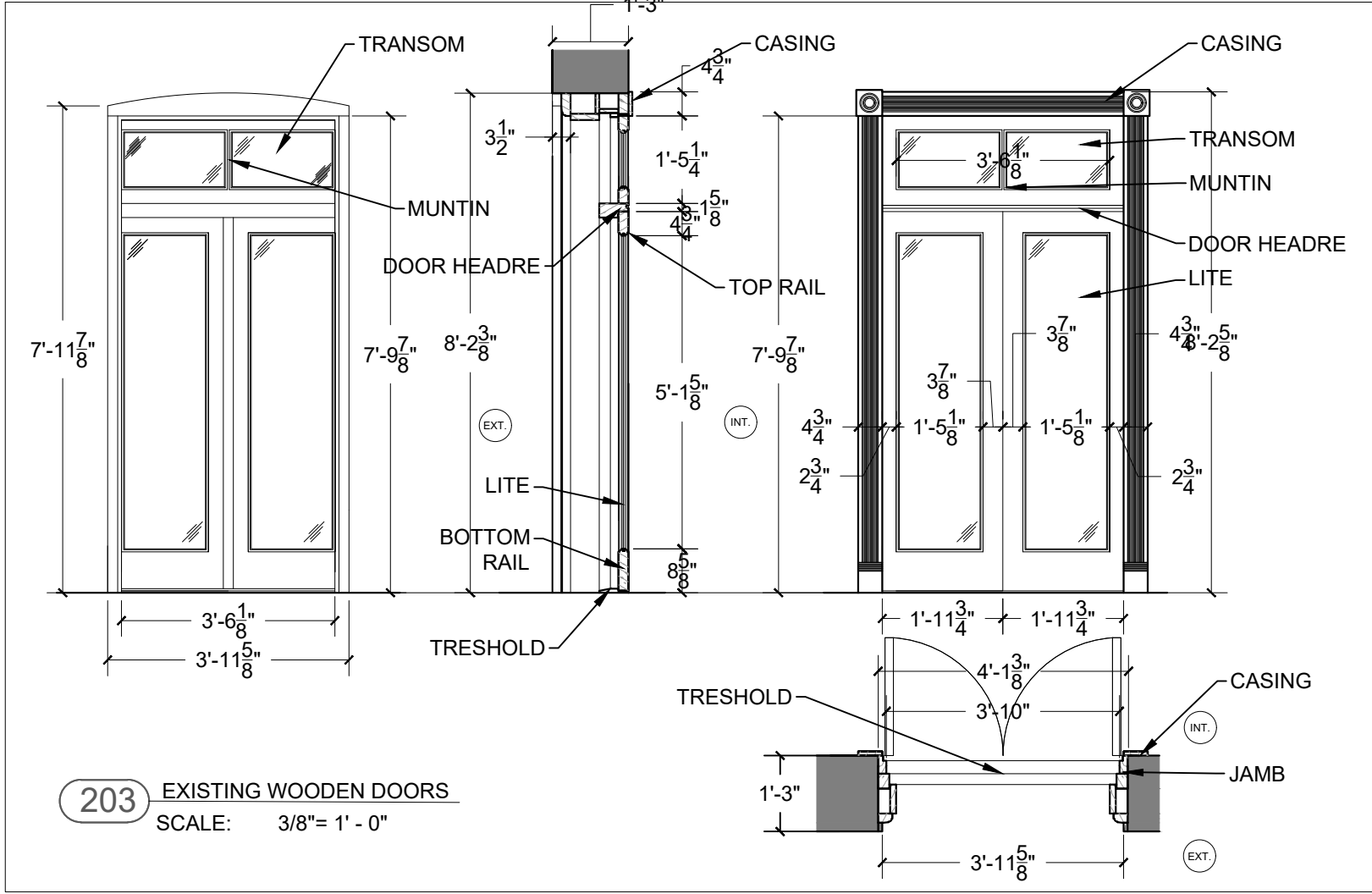
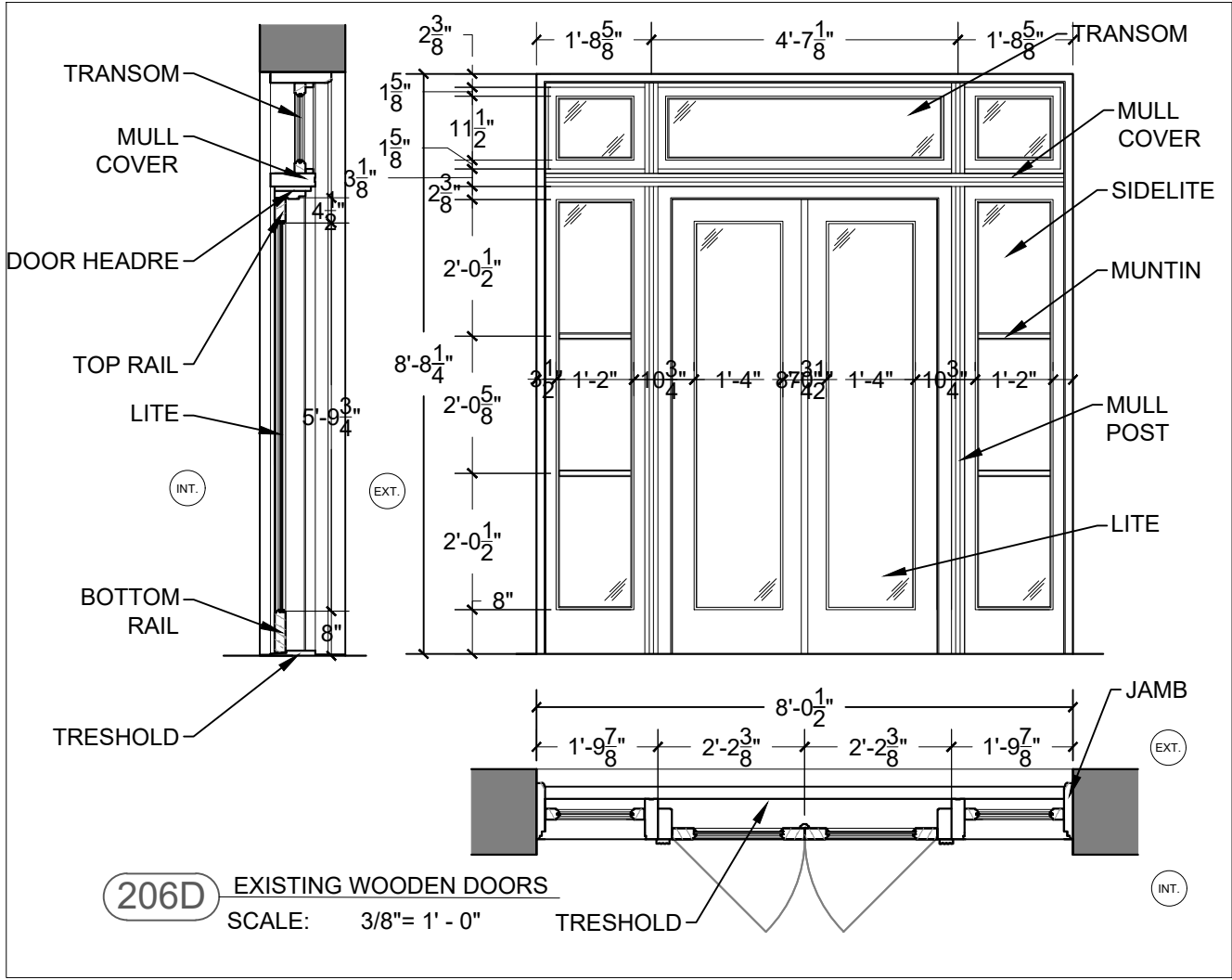
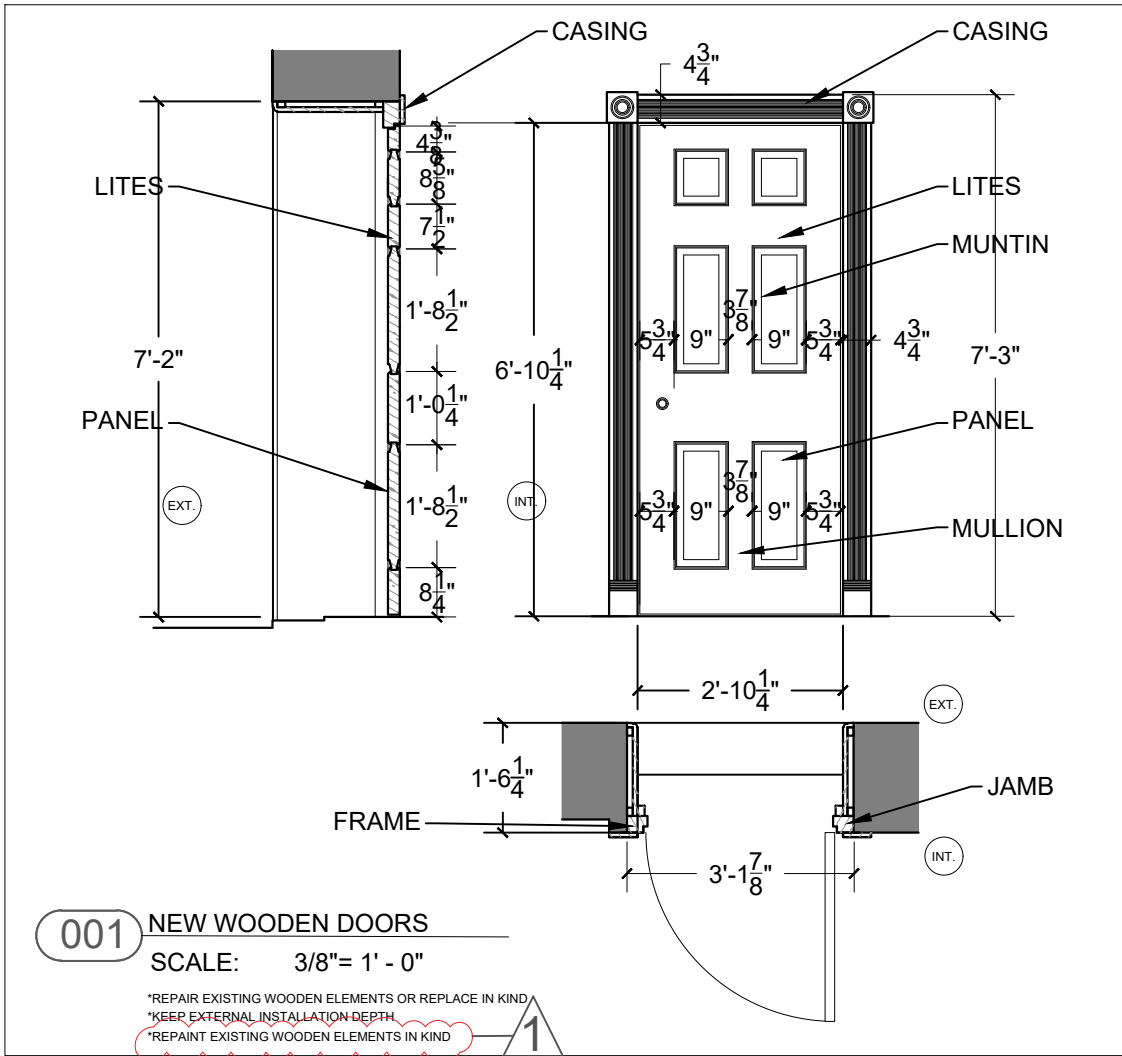
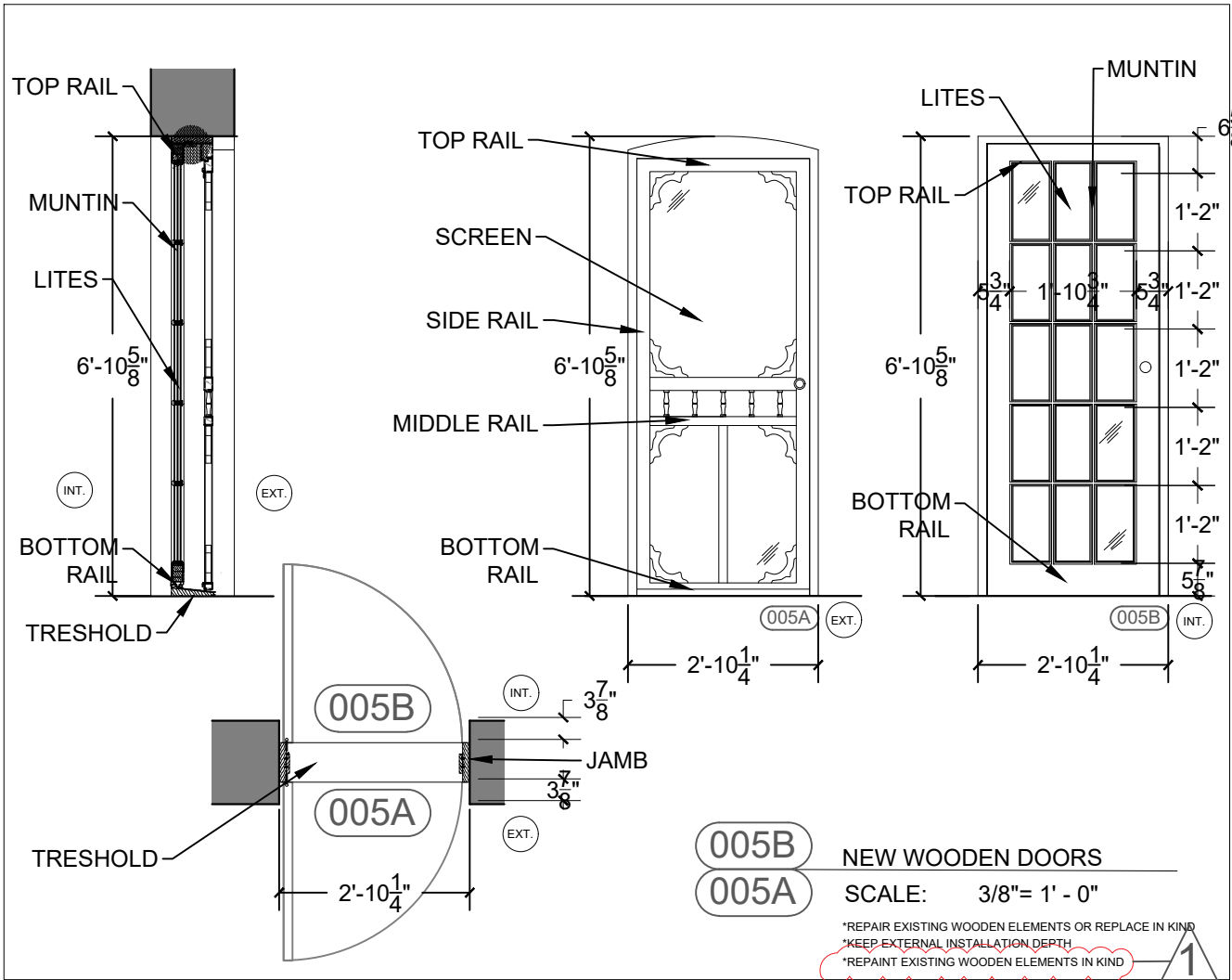
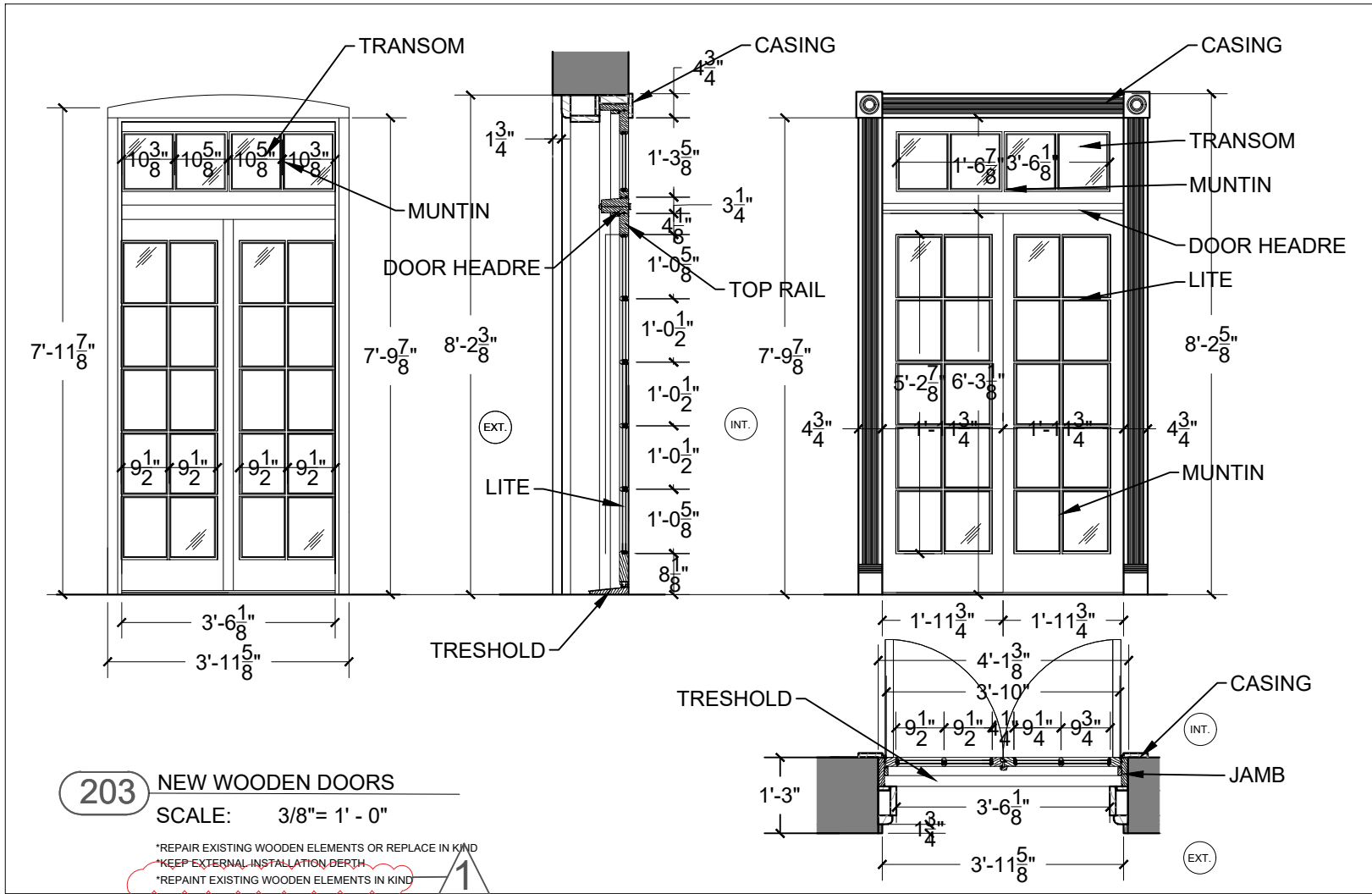
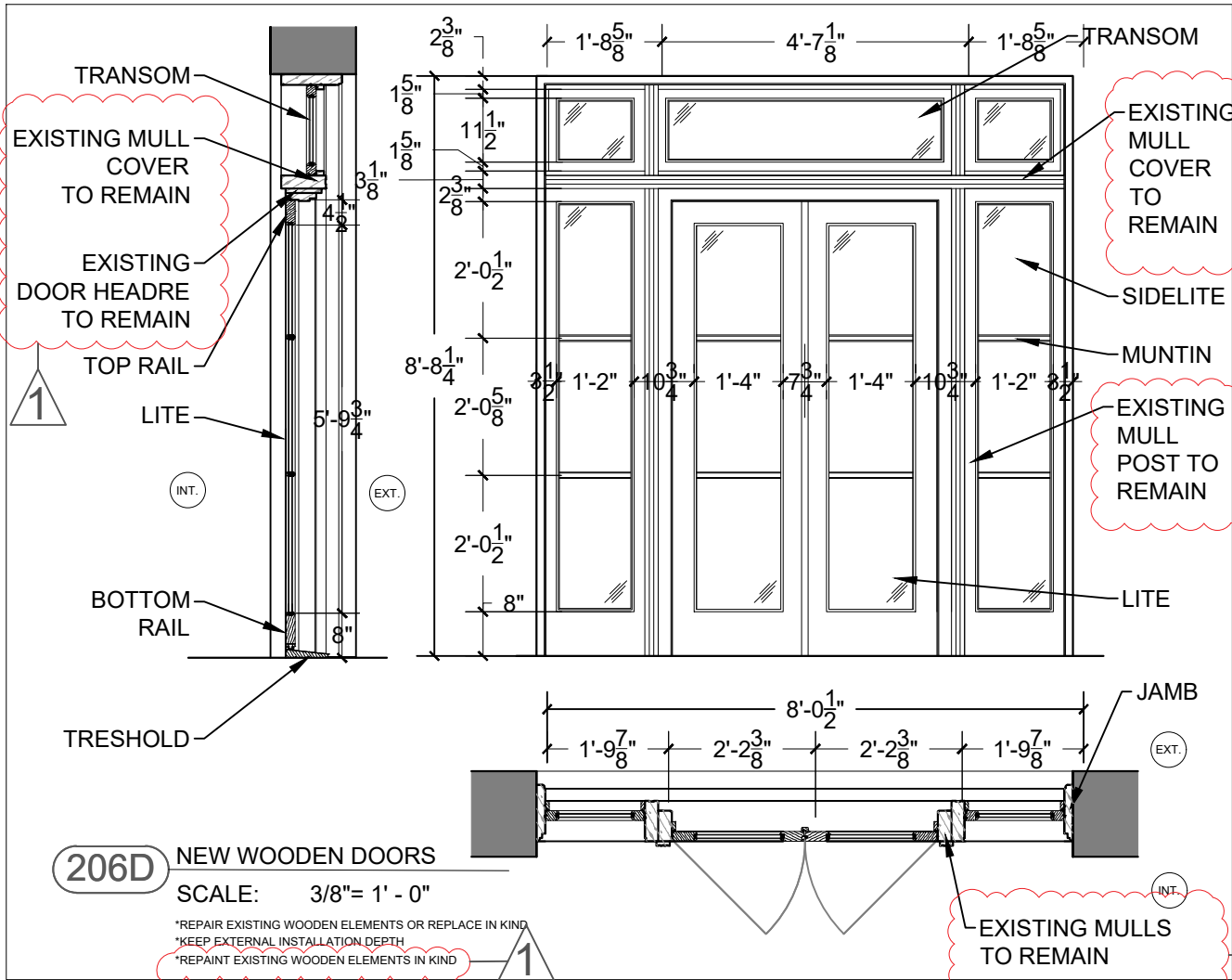
DATE: 07/28/20

SHEET NAME:

NEW WINDOWS

SHEET #:

A-508



Atelier MjK

ATELIER MjK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202) 643-3995

JaunRiga
DUNTES IELA 28-3, RIGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

1	02/16/21
2	
3	
4	
5	
6	

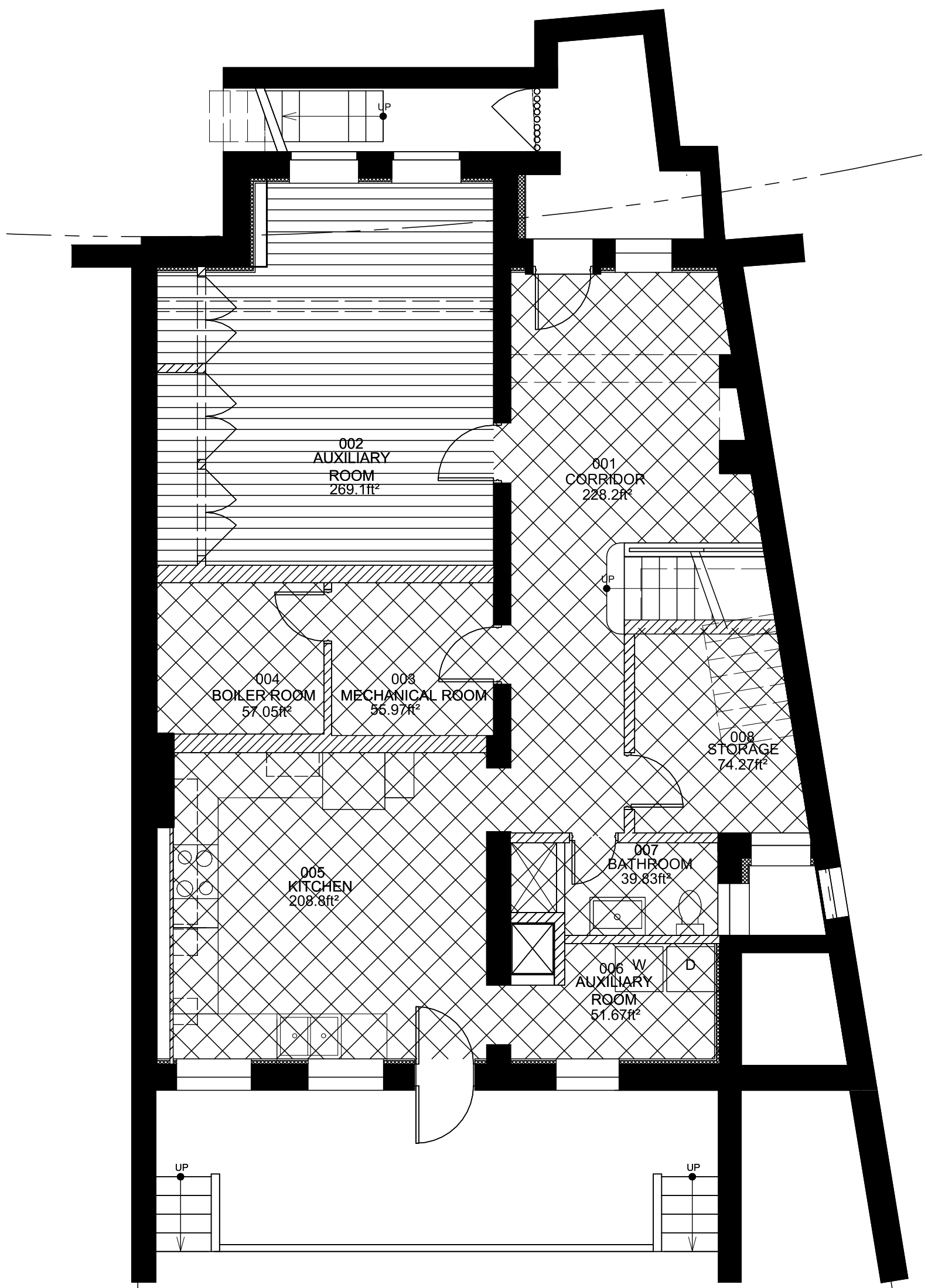
DATE: 07/28/20

SHEET NAME:

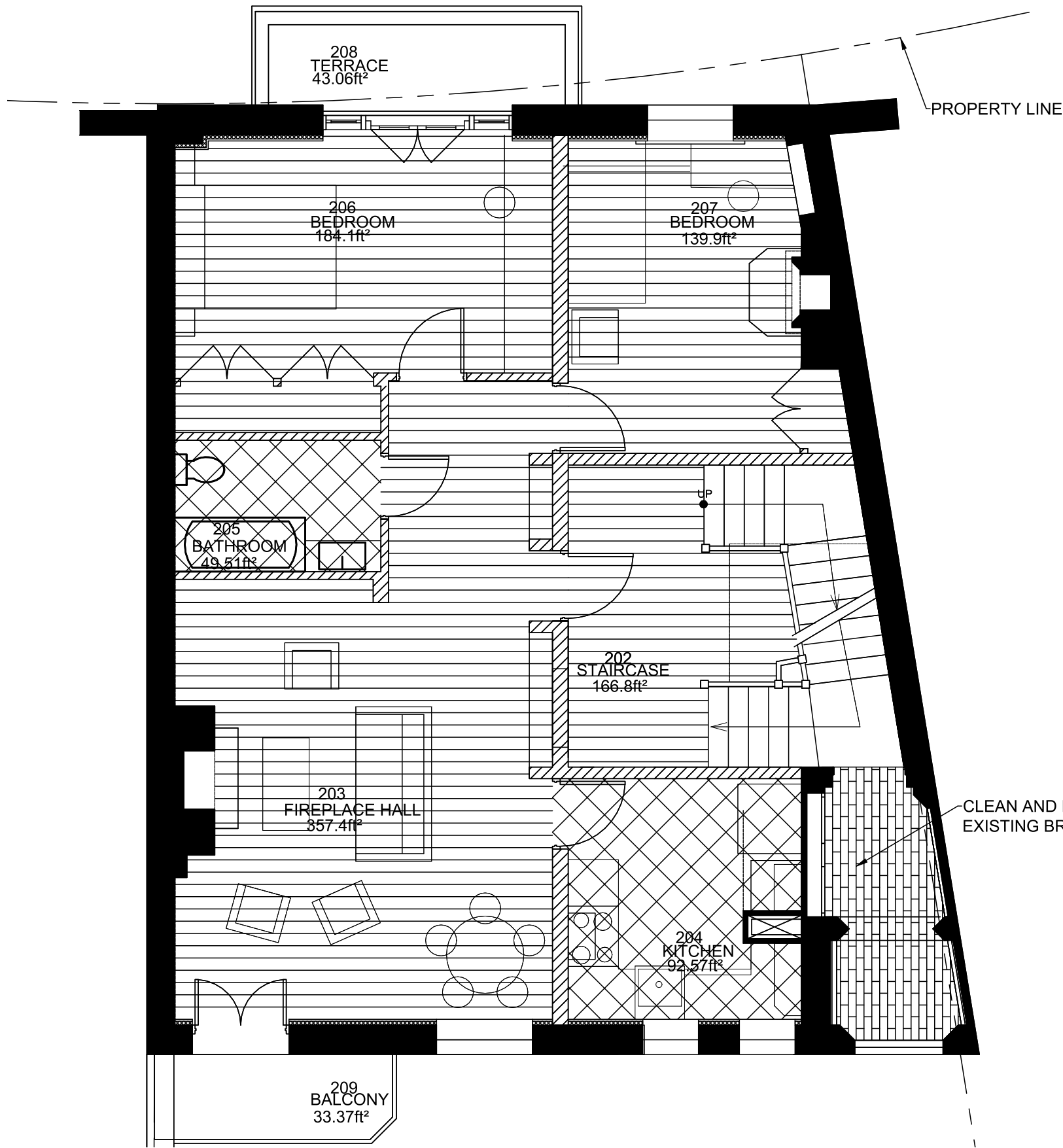
DOORS

SHEET #:

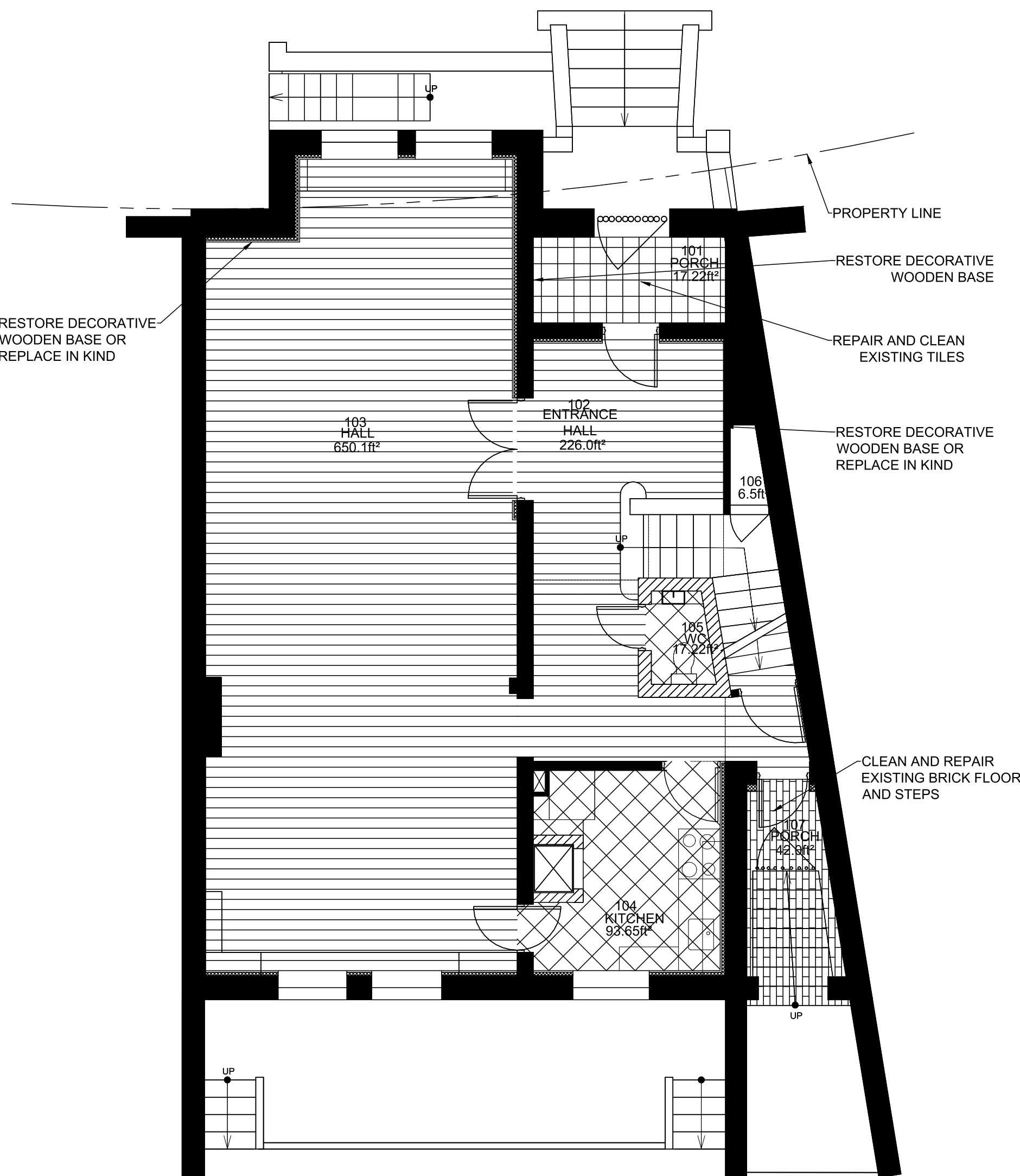
A-509



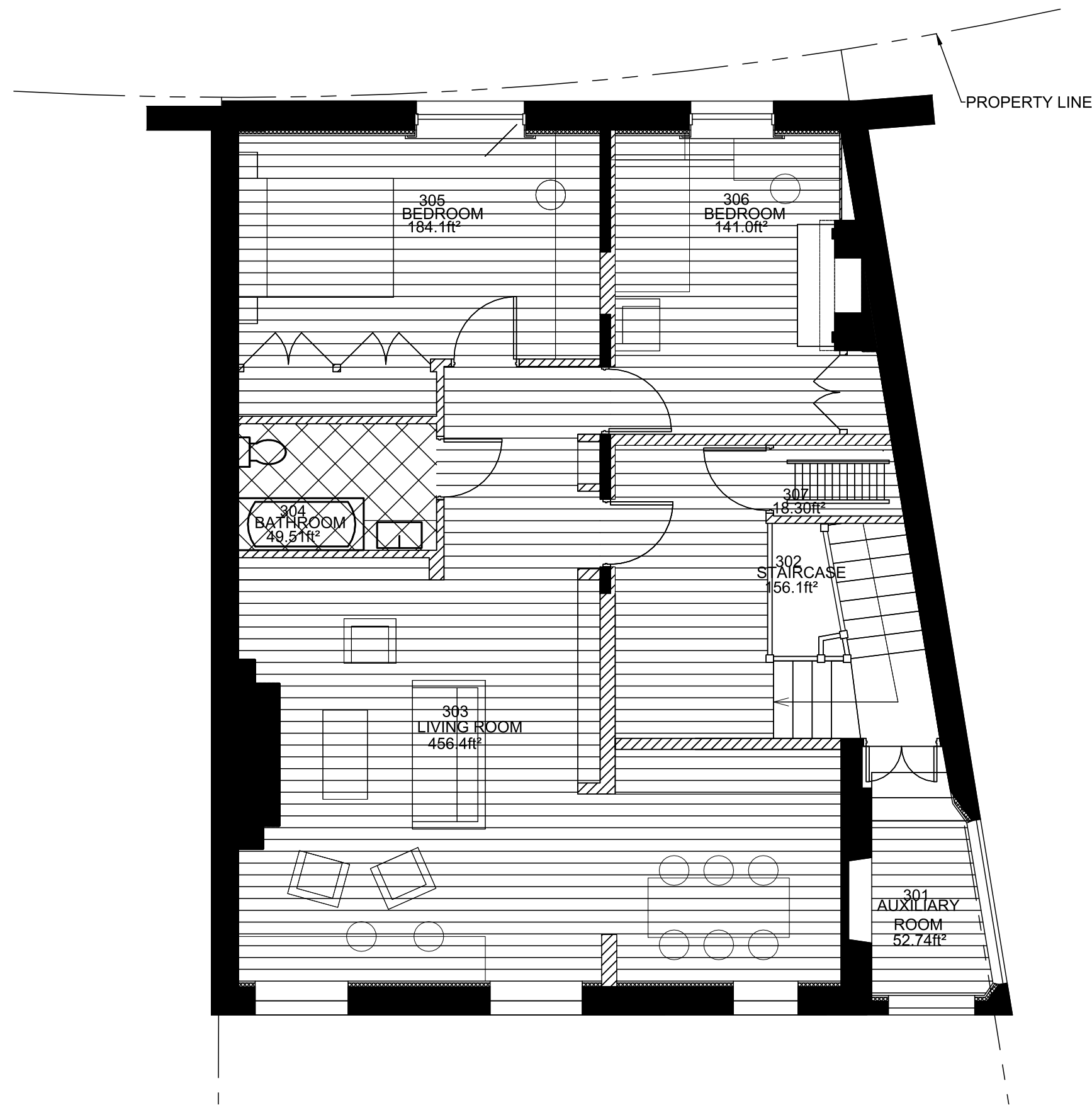
1 PROPOSED BASEMENT FINISH FLOOR PLAN
SCALE: 3/16"= 1' - 0"



3 PROPOSED SECOND FLOOR FINISH PLAN
SCALE: 3/16"= 1' - 0"



2 PROPOSED FIRST FLOOR FINISH PLAN
SCALE: 3/16"= 1' - 0"



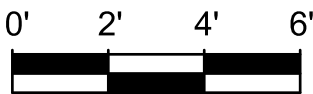
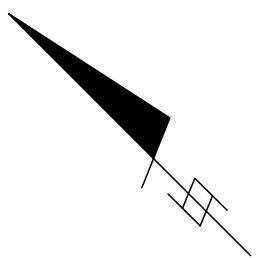
4 PROPOSED THIRD FLOOR FINISH PLAN
SCALE: 3/16"= 1' - 0"

ROOM	FLOORING	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	BASE	CEILING
BASEMENT							
CORRIDOR	F2	P1	P1	P1	P1	B3	C1
AUXILIARY ROOM	F1	P1	P1	P1	P1	B3	C1
MECH. ROOM	F2	P1	P1	P1	P1	B2	C1
BOILER ROOM	F2	P1	P1	P1	P1	B2	C1
KITCHEN	F2	P1	P1	P1	P1	B2	C2
AUXILIARY ROOM	F2	P1	P1	P1	P1	B2	C1
BATHROOM	F2	T1	T1	T1	T1	-	C2
STORAGE	F2	P1	P1	P1	P1	B2	C1
FIRST LEVEL							
ENTRANCE HALL	F1	P1/W1	P1/W1	P1/W1	P1/W1	B1	C2
HALL	F1	P1	P1	P1	P1	B1	C1
KITCHEN	F2	P1	P1	P1	P1	B2	C2
WC	F2	T1	T1	T1	T1	-	C2
SECOND WALL							
STAIRCASE	F1	P1	P1/W1	P1/W1	P1	B3	C2
FIREPLACE HALL	F1	P1	P1	P1	P1	B3	C2
KITCHEN	F2	P1	P1	P1	P1	B2	C2
BATHROOM	F2	T1	T1	T1	T1	-	C2
BEDROOM	F1	P1	P1	P1	P1	B3	C2
BEDROOM	F1	P1	P1	P1	P1	B3	C2
THIRD WALL							
AUXILIARY ROOM	F1	P1	P1	P1	P1	B3	C2
STAIRCASE	F1	P1	P1	P1	P1	B3	C2
LIVING ROOM	F1	P1	P1	P1	P1	B3	C2
BATHROOM	F2	T1	T1	T1	T1	-	C2
BEDROOM	F1	P1	P1	P1	P1	B3	C2
BEDROOM	F1	P1	P1	P1	P1	B3	C2

GENERAL NOTES:
CONFIRM ALL DIMENSIONS BEFORE
STARTING CONSTRUCTION OR
BEFORE ORDERING MATERIALS.

KEY:	
FLOORING	
F1	NEW WOOD FLOOR
F2	NEW TILE FLOOR
WALL	
P1	NEW PAINT
T1	NEW TILE
W1	EXISTING WOODEN PANELS
BASE	
B1	EXISTING WOOD
B2	NEW TILE
B3	NEW WOOD
CEILING	
C1	NEW PAINT
C2	NEW SUSPENDED CLG

KEY:	
	NEW TILE FLOORING
	NEW WOOD FLOORING
	EXISTING TILE FLOOR
	EXISTING BRICK FLOORING



ATELIER MIK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

JaunRīga
DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

DATE: 10/30/20

SHEET NAME:

FINISH FLOOR PLANS
AND SCHEDULES

SHEET #:

A-601

ROOM NO	ROOM	FLOORING	m²	SKIRTING BOARD	t/m	CEILING	ROOMS; H (m)	CORNICES t/m	m²	WALLS	m²
		FINISHING				FINISHING					
BASEMENT FLOOR											
001	Hallway	Unglazed porcelain tiles 29.8x59.8 mm, dark grey, matted, R10; seams – 4 mm; Cement-based flexible tile sealant – Graphite (dark grey)	20.0	New wooden skirting boards to be painted white (*the same tone as for the wall finishing), along the stairs – to match the tone with the tone of the stair wall.	25.1	Ceiling – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.36	-	19.0	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0500-N (white).	67.4
002	Auxiliary room	New floor covering – wood planking for flooring, painted with wear-resistant water-based alkyd paint; tone – NCS S 7500-N (black); to provide a smooth surface, if necessary, to fill and sand;	25.6	New wooden skirting boards to be painted white (*the same tone as for the wall finishing).	22.0	Ceiling – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.41, 2.10	-	25.3	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0500-N (white).	50.1
003	Technical room	Unglazed porcelain tiles 29.8x59.8 mm, dark grey, matted, R10; seams – 4 mm; Cement-based flexible tile sealant – Graphite (dark grey)	5.3	Floor tiles 60 mm high	7.5	Ceiling – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.30-2.31	-	5.2	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0500-N (white).	19.0
004	Boiler room	Unglazed porcelain tiles 29.8x59.8 mm, dark grey, matted, R10; seams – 4 mm; Cement-based flexible tile sealant – Graphite (dark grey)	5.3	Floor tiles 60 mm high	8.5	Ceiling – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.25-2.30	-	5.3	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0500-N (white).	19.2
005	Kitchen	Unglazed porcelain tiles 29.8x59.8 mm, dark grey, matted, R10; seams – 4 mm; Cement-based flexible tile sealant – Graphite (dark grey)	20.9	Floor tiles 60 mm high	15.3	Ceiling – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.26-2.34	-	20.9	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0500-N (white).	37.9
006	Auxiliary room	Unglazed porcelain tiles 29.8x59.8 mm, dark grey, matted, R10; seams – 4 mm; Cement-based flexible tile sealant – Graphite (dark grey)	4.9	Floor tiles 60 mm high	9.3	Ceiling – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.37	-	4.6	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0500-N (white).	22.2
007	Bathroom	Unglazed porcelain tiles 14.8x14.8 mm, dark grey, matted, R10; seams – 4 mm; Cement-based flexible tile sealant – Graphite (dark grey)	3.8	-	-	Ceiling – filled, sanded, and painted with moisture-resistant acrylic paint, tone – NCS S 0300-N (white).	2.16	-	3.7	Unglazed porcelain tiles 14.8x29.8, white, matted; seams – 4 mm; Cement-based flexible tile sealant; tone – NCS S 0500-N (white).	17.1
008	Warehouse	Unglazed porcelain tiles 29.8x59.8 mm, dark grey, matted, R10; seams – 4 mm; Cement-based flexible tile sealant – Graphite (dark grey)	6.8	Floor tiles 60 mm high	9.6	Ceiling – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.4	-	6.8	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0500-N (white).	23.7
1. FLOOR											
101	Porch	To clean the existing tile covering and restore the seams.	4.3	To restore the existing skirting boards, to clean, to fill, to sand, and to paint equivalent to the existing tone (black).	6.6	Ceiling – filled, sanded, and painted with acrylic paint for outdoor works, tone – NCS S 0300-N (white), to restore ceiling cornices NCS S 7500-N (black).	3.19	9.6	4.0	Walls – filled, sanded, and painted with outdoor acrylic paint, tone – NCS S 0300-N (white).	26.3
102	Entrance hall	New floor covering – wood planking for flooring, painted with wear-resistant water-based alkyd paint; tone – NCS S 7500-N (black); to provide a smooth surface, if necessary, to fill and sand;	17.4	To restore the existing skirting boards, to clean, to fill, to sand, and to paint white, if it is not possible to restore, equivalents shall be produced.	26.6	Ceilings and renovated cornices – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white), if it is not possible to restore cornices, equivalents shall be produced.	2.78, 2.85	33.0	21.3	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0500-N (white). to restore existing wall panels – filled, sanded, and painted with wear-resistant water-based alkyd paint; tone – NCS S 7500-N (black), if it is not possible to restore, equivalents shall be produced.	66.8 / 19.3
103	Hall	New floor covering – wood planking for flooring, painted with wear-resistant water-based alkyd paint; tone – NCS S 7500-N (black); to provide a smooth surface, if necessary, to fill and sand;	59.6	To restore the existing skirting boards, to clean, to fill, to sand, and to paint white, if it is not possible to restore, equivalents shall be produced.	32.6	Ceilings, renovated cornices and decorative caisson ceilings – filled, sanded and painted with acrylic paint, tone –	2.87, 3.20	36.0	59.6	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	107.2
104	Kitchen	Unglazed porcelain tiles 29.8x59.8 mm, dark grey, matted, R10; seams – 4 mm; Cement-based flexible tile sealant – Graphite (dark grey)	8.6	Floor tiles 60 mm high	12.1	Ceiling – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.9	-	8.5	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	37.2
105	Toilet	Unglazed porcelain tiles 14.8x14.8 mm, dark grey, matted, R10; seams – 4 mm; Cement-based flexible tile sealant – Graphite (dark grey)	1.4	-	-	Ceiling – filled, sanded, and painted with moisture-resistant acrylic paint, tone – NCS S 0300-N (white).	2.5	-	1.4	Unglazed porcelain tiles 14.8x29.8, white, matted; seams – 4 mm; Cement-based flexible tile sealant; tone – NCS S 0500-N (white).	10.3
106	Auxiliary room	-	0.7	-	-	-	-	-	-	-	11.8
2. FLOOR											
201	Auxiliary room	To clean the brickwork and restore the joints.	7.8	-	-	To restore wood elements – to fill, to sand, and to paint with wear-resistant water-based alkyd paint; tone – NCS S 7500-N (black).	2.66	-	5.4	To clean the brick wall and restore the joints.	25.9
202	Staircase	New floor covering – wood planking for flooring, painted with wear-resistant water-based alkyd paint; tone – NCS S 7500-N (black); to provide a smooth surface, if necessary, to fill and sand;	8.8	New wooden skirting boards to be painted white.	14.0	Ceiling – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.67, 2.91-2.97	-	15.8	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	45.5
203	Fireplace hall	New floor covering – wood planking for flooring, painted with wear-resistant water-based alkyd paint; tone – NCS S 7500-N (black); to provide a smooth surface, if necessary, to fill and sand;	32.7	New wooden skirting boards to be painted white.	24.1	Ceiling and new renovated cornices – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.66	32.2	32.2	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	75.7
204	Kitchen	Unglazed porcelain tiles 29.8x59.8 mm, dark grey, matted, R10; seams – 4 mm; Cement-based flexible tile sealant – Graphite (dark grey)	9.3	Floor tiles 60 mm high	13.0	Ceiling – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.59, 2.90	-	9.2	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	38.0
205	Bathroom	Unglazed porcelain tiles 14.8x14.8 mm, dark grey, matted, R10; seams – 4 mm; Cement-based flexible tile sealant – Graphite (dark grey)	4.6	-	-	Ceiling – filled, sanded, and painted with moisture-resistant acrylic paint, tone – NCS S 0300-N (white).	2.66	-	4.6	Unglazed porcelain tiles 14.8x29.8, white, matted; seams – 4 mm; Cement-based flexible tile sealant; tone – NCS S 0500-N (white).	21.4
206	Bedroom	New floor covering – wood planking for flooring, painted with wear-resistant water-based alkyd paint; tone – NCS S 7500-N (black); to provide a smooth surface, if necessary, to fill and sand;	17.1	New wooden skirting boards to be painted white.	14.3	Ceiling and new renovated cornices – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.8	17.8	17.1	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	41.8
207	Bedroom	New floor covering – wood planking for flooring, painted with wear-resistant water-based alkyd paint; tone – NCS S 7500-N (black); to provide a smooth surface, if necessary, to fill and sand;	12.7	New wooden skirting boards to be painted white.	13.7	Ceiling and new renovated cornices – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.53	15.4	12.7	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	37.0
208	Terrace	To clean the existing tile covering and restore the seams.	4.3	-	-	-	-	-	-	-	-
209	Balcony	New floor covering – wood planking for flooring, painted with wear-resistant water-based alkyd paint; tone – NCS S 7500-N (black); to provide a smooth surface, if necessary, to fill and sand;	3.1	-	-	-	-	-	-	-	-
3. FLOOR											
301	Auxiliary room	New floor covering – wood planking for flooring, painted with wear-resistant water-based alkyd paint; tone – NCS S 7500-N (black); to provide a smooth surface, if necessary, to fill and sand;	5.0	New wooden skirting boards to be painted white.	8.5	Ceiling – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.34	-	4.7	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	18.7
302	Staircase	New floor covering – wood planking for flooring, painted with wear-resistant water-based alkyd paint; tone – NCS S 7500-N (black); to provide a smooth surface, if necessary, to fill and sand;	8.2	New wooden skirting boards to be painted white.	8.5	Ceiling – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.74	-	14.2	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	43.4
303	Living room	New floor covering – wood planking for flooring, painted with wear-resistant water-based alkyd paint; tone – NCS S 7500-N (black); to provide a smooth surface, if necessary, to fill and sand;	42.3	New wooden skirting boards to be painted white.	35.9	Ceiling – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.67, 2.76	-	41.8	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	105.7
304	Bathroom	Unglazed porcelain tiles 14.8x14.8 mm, dark grey, matted, R10; seams – 4 mm; Cement-based flexible tile sealant – Graphite (dark grey)	4.6	-	-	Ceiling – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.52	-	4.6	Unglazed porcelain tiles 14.8x29.8, white, matted; seams – 4 mm; Cement-based flexible tile sealant; tone – NCS S 0500-N (white).	20.2
305	Bedroom	New floor covering – wood planking for flooring, painted with wear-resistant water-based alkyd paint; tone – NCS S 7500-N (black); to provide a smooth surface, if necessary, to fill and sand;	16.8	New wooden skirting boards to be painted white.	16.8	Ceiling – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.67	-	16.8	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	41.3
306	Bedroom	New floor covering – wood planking for flooring, painted with wear-resistant water-based alkyd paint; tone – NCS S 7500-N (black); to provide a smooth surface, if necessary, to fill and sand;	12.0	New wooden skirting boards to be painted white.	13	Ceiling – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.74	-	12.8	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	40.7
307	Auxiliary room	New floor covering – wood planking for flooring, painted with wear-resistant water-based alkyd paint; tone – NCS S 7500-N (black); to provide a smooth surface, if necessary, to fill and sand;	1.6	New wooden skirting boards to be painted white.	4.4	Ceiling – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	2.86	-	1.6	Walls – filled, sanded, and painted with acrylic paint, tone – NCS S 0300-N (white).	13.2

GENERAL NOTES:
CONFIRM ALL DIMENSIONS BEFORE STARTING CONSTRUCTION OR BEFORE ORDERING MATERIALS.

Atelier MjK

ATELIER MjK

1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C. 20009
(202) 643-3995

DUNTES IEĻA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY

2304 MASSACHUSETTS AVE,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△	
△	
△	
△	
△	

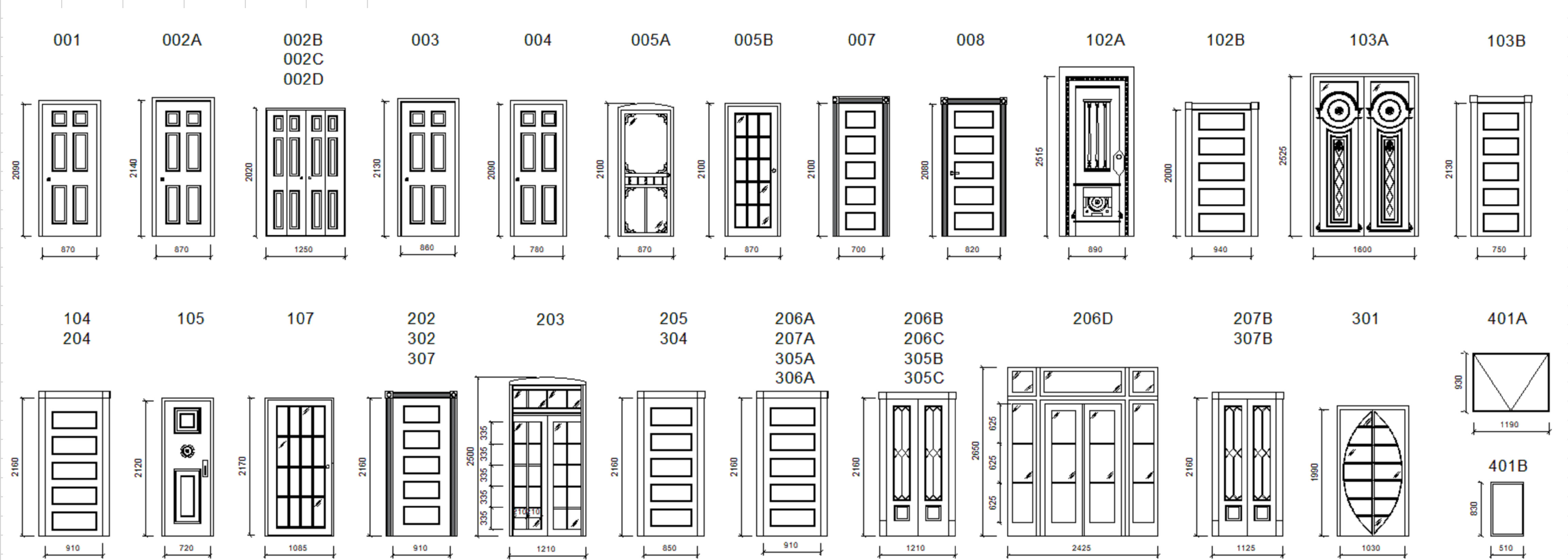
DATE: 06/19/20

SHEET NAME:

FINISH SCHEDULE

SHEET #:

DOOR OPENING FILLING TABLE						
GRADE	SIZE		QUANTITY		TOTAL	PERFORMANCE
	b	h	l	k		
001	870	2090		1	1	Wooden panel exterior doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – historical white
002A	870	2140	1		1	Wooden panel doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – GN.01.89 (white)
002B	1250	2020	Wing [type]		3	Wooden panel doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – GN.01.89 (white)
002C	1250	2020				
002D	1250	2020				
003	860	2130	1		1	Wooden panel doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – GN.01.89 (white)
004	780	2090		1	1	Wooden panel doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – GN.01.89 (white)
005A	870	2100		1	1	Renewable wooden exterior doors. Replace the glazing with a double glass pane, Ug=1.3. Doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – historical white
005B	870	2100	1		1	Wooden exterior doors. Double glass pane, Ug=1.3. Doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – historical white
007	700	2100		1	1	Wooden panel doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – GN.01.89 (white)
008	820	2080		1	1	Wooden panel doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – GN.01.89 (white)
102A	890	2515	1		1	Renewable, insulated wooden exterior doors. Doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – DN.00.11 (black)
102B	940	2000	1		1	Renewable wooden doors. Doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – DN.00.11 (black)
103A	1600	2525	Wing [type]		1	Renewable wooden doors. Doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – DN.00.11 (black). The leaf is shortened from the top by 16 mm.
103B	750	2130	Swing doors		1	Wooden filling door with edging, swing door hinges. Doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – DN.00.11 (black)
104	910	2160	2		2	Wooden panel doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – GN.01.89 (white)
204	910	2160				
105	720	2120		1	1	Renewable wooden doors. Doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – DN.00.11 (black)
107	1085	2170		1	1	Renewable, insulated wooden exterior doors. Replace the glazing with a double glass pane, Ug=1.3. Doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – DN.00.11 (black)
202	910	2160	2	1	3	Wooden panel doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – GN.01.89 (white)
302	910	2160				
307	910	2160				
203	1210	2500	Wing [type]		1	Wooden wing doors. To create a division of panes equivalent to the historical situation. Double glass pane, Ug=1.3. Doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – historical white
205	850	2160	2		2	Wooden panel doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – GN.01.89 (white)
304	850	2160				
206A	910	2160		4	4	Wooden panel doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – GN.01.89 (white)
207A	910	2160				
305A	910	2160				
306A	910	2160				
206B	1210	2160	Wing [type]		4	Wooden panel doors with edging and glazing, painted with wear-resistant water-based alkyd paint (or equivalent); tone – GN.01.89 (white).
206C	1210	2160				
305B	1210	2160				
305C	1210	2160				
206D	2425	2650	Wing [type]		1	Wooden wing doors. To create a division of panes equivalent to the historical situation. Double glass pane, Ug=1.3. Doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – historical white
207B	1125	2160	Wing [type]		2	Wooden panel doors with edging and glazing, painted with wear-resistant water-based alkyd paint (or equivalent); tone – GN.01.89 (white).
306B	1125	2160				
301	1030	1990	Wing [type]		1	Renewable wooden doors with edging, painted with wear-resistant water-based alkyd paint (or equivalent); tone – GN.01.89 (white).
401A	1210	930			1	Renewable, insulated skylight window.
401B	510	830			1	Renewable skylight window.



GENERAL NOTES:
CONFIRM ALL DIMENSIONS BEFORE STARTING CONSTRUCTION OR BEFORE ORDERING MATERIALS.
*U-FACTORS OF FENESTRATION PRODUCTS TO BE DETERMINED IN ACCORDANCE WITH THE NFRC OR THE DEFAULT TABLE VALUES
*SHGC VALUES TO BE DETERMINED IN ACCORDANCE WITH THE NFRC OR THE DEFAULT TABLE VALUES
*FENESTRATION TO BE LISTED AND LABELED MEETING AAMA/WDMA/CSA 101/I.S. 2/A440 OR DOES NOT EXCEED CODE LIMITS PER NFRC 400

ATELIER MjK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3996

ECO
JaunRīga

DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△

△

△

△

△

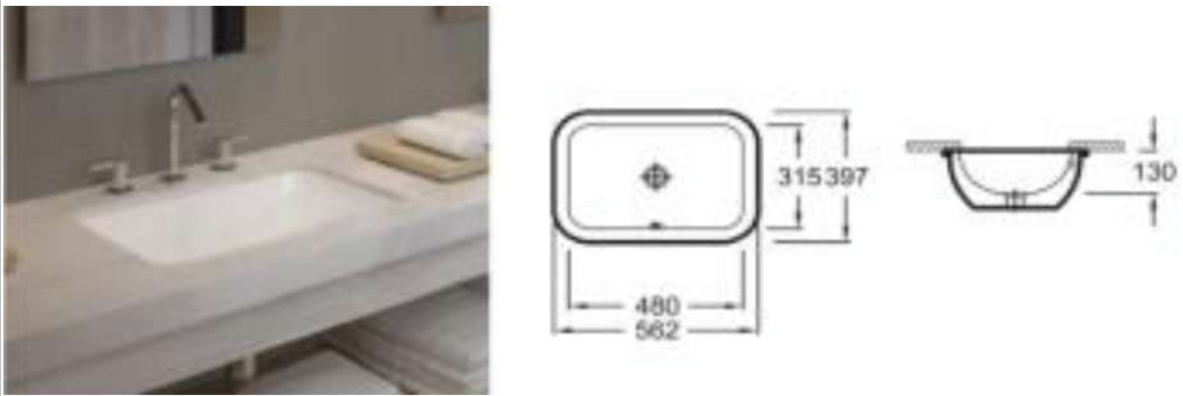
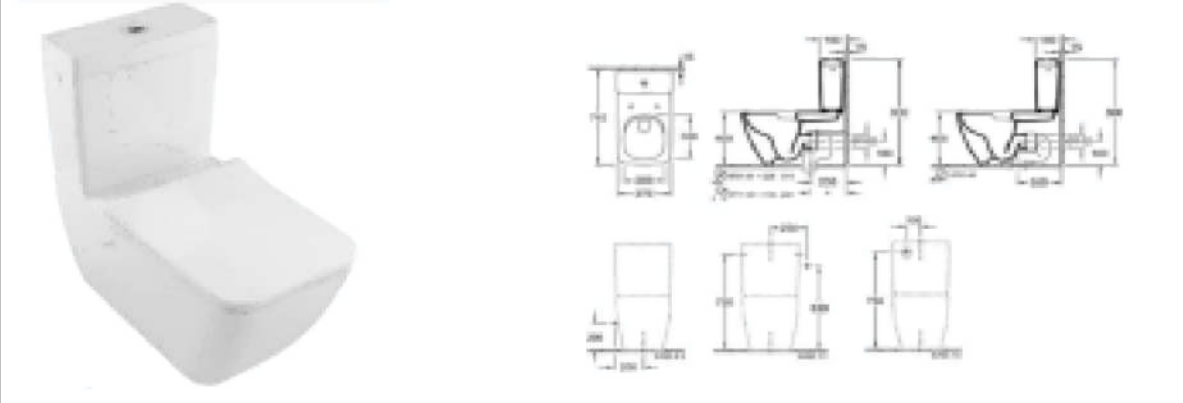
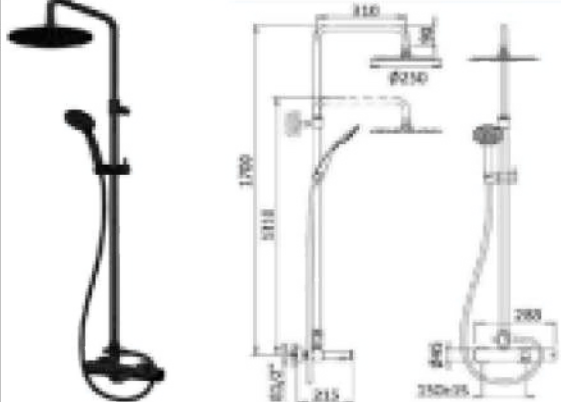
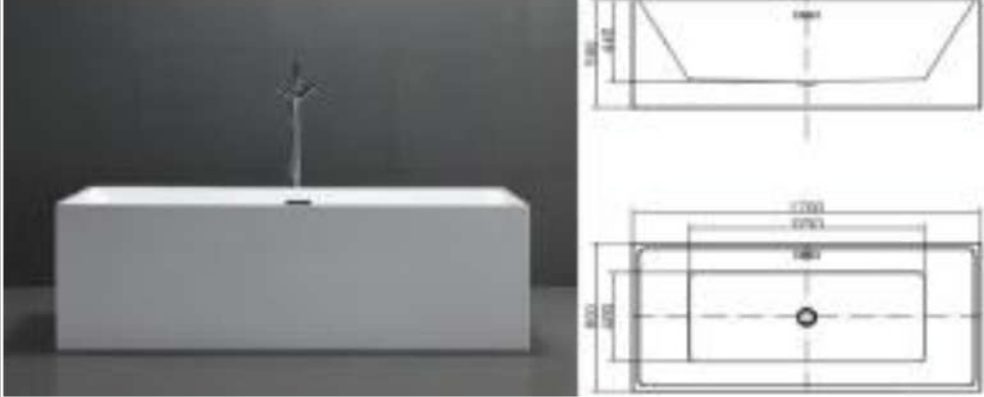
△

DATE: 07/28/20

SHEET NAME:
DOOR SCHEDULE
IN METRIC

SHEET #:

A-502.1

SPECIFICATION OF EQUIPMENT AND SANITARY INSTALLATIONS				
ROOM NUMBER	DIAGRAM	DESCRIPTION	MANUFACTURER/NAME	QUANTITY
007, 205, 304		Built-in porcelain wash basin, width – 56.2 cm, depth – 39.7 cm, height – 16 cm.	Jacob Delafon sink Vox EYA102; Product code: EYA102-00 or equivalent	3
105		Artificial stone, white, oval wash basin with water repellent coating, width – 69.1 cm, depth – 32.5 cm, height – 13.5 cm.	Montebianco sink Migliore Gondola; Product code: 13042 or equivalent	1
007, 105, 205, 304		Single lever, brass, black faucet with aerator, flexible drive and mounts	Kraus sink faucet Riviera FVS-1005ORB; Product code: FVS-1005ORB or equivalent	4
007, 105, 205, 304		Free-standing porcelain toilet bowl, rectangular shape, two buttons, seat material – duroplast, fittings – chrome-plated, slow-close seat, tank volume – 3/6 l	Villeroy & Boch toilet Legato 5634 R0 01 or equivalent	4
007		White lacquered profile with frosted, tempered glass, and profile-handle. Ifö Space TPNV niche profile, adjustable; Height 2000 mm. (SPVF 1000)	IFÖ or equivalent	1
007, 205, 304		Brass black shower set with one lever. Surface – matted.	Cezares shower set Czir B CVD NOP; Product code: CZR-B-CVD-NOP or equivalent	3
205, 304		Acrylic, rectangular bath with antibacterial coating; length – 170 cm, width – 80 cm, depth – 44 cm.	Swedbe acrylic bath Vita 8822; Product code: 8822 or equivalent	2
303		Artificial granite kitchen sink, built-in from above, cutting board, basket valve, and siphon included.	Schock kitchen sink Horizont 60D (D-150); Product code: 700098 or equivalent	1
303		Brass, black kitchen faucet, single lever, with pull-out spout and shower function.	Kraus kitchen faucet KPF-1680ORB; Product code: KPF-1680ORB or equivalent	1

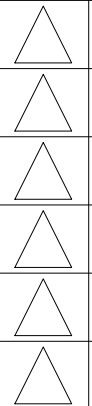
Atelier MjK

ATELIER MjK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

JaunRīga
DUNTES IELA 28-3, RĪGA,
LATVIA, LV-1005
REG NR. 40103680902
+371 26451630

LATVIAN EMBASSY
2304 MASSACHUSETTS AVE,
NW,
WASHINGTON, D.C.,
20008

REVISIONS:



DATE: 10/30/20

SHEET NAME:

PLUMBING FIXTURES

SHEET #:

STRUCTURAL PART

BUILDING CODE

INTERNATIONAL BUILDING CODE IBC 2012 AND DISTRICT OF COLUMBIA CONSTRUCTION CODE S SUPPLEMENT OF 2013 DCMR 12A BUILDING CODE

DESIGN LOADS

DESIGN LIVE LOADS ARE AS FOLLOWS:

SNOW ON ROOFS	30 LBS. /SQ. FT.
FIRST FLOOR	40 LBS. /SQ. FT.
FIRST FLOOR	100 LBS. /SQ. FT. (FOR ROOMS TO BE USED GATHERINGS)
SLEEPING ROOMS	30LBS. /SQ. FT.
OFFICE	50 LBS. /SQ. FT. MIN (FOR ROOMS TO BE USED AS OFFICE)

DESIGN DEAD LOADS ARE AS FOLLOWS

FLOORS	25 LBS. /SQ. FT. (HARDWOOD FLOORING)
FLOORS	40 LBS. /SQ. FT. (TILE FLOORING)
ROOF RAFTERS	17 LBS. /SQ. FT.
(INCLUDING SELF-WEIGHT OF RAFTERS & SHEETING)	

FLOORS ARE DESIGNED FOR THE UNIFORMLY DISTRIBUTED LIVE LOADS NOTED ABOVE OR ACTUAL CONCENTRATED LOADS, WHERE SUCH LOADING GOVERNS.

SNOW DRIFT ACCUMULATION LOADS ON ROOFS PER IBC CODE REQUIREMENTS.

LUMBER

1-LUMBER SHALL COMPLY WITH THE REQUIREMENTS OF AMERICAN INSTITUTE OF TIMBER CONSTRUCTION AND THE NATIONAL FOREST PRODUCTS ASSOCIATION'S NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.

2- LUMBER GRADE AND DESIGN VALUES SHALL BE AS FOLLOWS:

LUMBER GRADE DESIGN VALUES					
	FB	FC (PERPENDICULAR)	FC (PARALLEL)	FV	E
LUMBER GRADE	PSI	PSI	PSI	PSI	PSI
SPF #2 (STUDS, PLATES, ETC.)	875	425	1150	135	1,400,000
6"x6" POSTS SP #2	850	375	525	-	1,200,000
8"x8" POSTS DFL (N) #2	725	625	700	-	1,300,000
SP P.T. (BALCONY, EXT.)	1100 FOR 2X4	565	-	175	1,400,000
SP (NON PT, ROOF. PLATE)	1000 FOR 2X6 925 FOR 2X8 800 FOR 2X10 750 FOR 2X12	565	-	175	1,400,000
LVL	3000 FOR 12" MULTIPLY BY (12/D)^0.136 FOR OTHERS	750	-	285	2,000,000
PSL	2900 FOR 12" MULTIPLY BY (12/D)^0.111 FOR OTHERS	750	-	290	2,000,000
PSL PLUS (WOLMANIZED) USE SERVICE LEVEL 2	1827 FOR 12" MULTIPLY BY (12/D)^0.111 FOR OTHERS	368	-	197	1,460,000

3-PLYWOOD SHALL BE ¾" THICK FOR FLOORS AND ⅝" THICK FOR ROOF IDENTIFIED WITH THE DFPA GRADE-TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

4- ALL STUDS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA (NATIONAL FOREST PRODUCTS ASSOCIATION) REQUIREMENTS. MEMBERS ARE NOT TO BE DRILLED IN EXCESS OF NDS OR LOCAL CODE REQUIREMENTS. ALL POSTS AND STUDS SHALL STACK CONTINUOUSLY TO SOLID BEARING ON FOUNDATION WALLS OR BEAMS; PROVIDE SOLID BLOCKING OR CRIPPLES BETWEEN FLOORS.

5-STUD BEARING WALLS AND EXTERIOR STUD WALLS SHALL BE CONTINUOUSLY BRIDGED WITH WOOD BLOCKING AT MID-HEIGHT BETWEEN FLOOR (AND ROOF) LEVELS. STUDS AND POSTS SHALL BE ONE-PIECE CONTINUOUS BETWEEN FLOOR LEVELS AND BETWEEN FLOOR LEVEL AND ROOF DIAPHRAGMS. ALL DOUBLE STUDS SHALL BE NAILED TO EACH OTHER AT 8 INCH MAXIMUM SPACING FULL-HEIGHT.

6-ALL DOUBLE (OR MORE) RAFTERS, JOISTS, PLYWOOD BEAMS, AND FLOOR TRUSSES MUST BE MECHANICALLY FASTENED OR NAILED TO EACH OTHER TO ACT AS A SINGLE UNIT WHEN LOADED.

7-WOOD COLUMNS AND POSTS SHALL BE FRAMED TO TRUE END BEARINGS, AND SHALL BE POSITIVELY ANCHORED TO FOUNDATION WITH APPROVED POST BASES. FREE STANDING POSTS SHALL BE CONNECTED TO BEAMS, HEADERS OR GIRDER TRUSSES WITH APPROVED POST CAPS. SUPPORT COLUMN AND POST SECURELY IN POSITION AND PROTECT BASE FROM DETERIORATION. COLUMNS AND POSTS OF TREATED WOOD MAY BE PLACED DIRECTLY ON CONCRETE OR MASONRY. USE TREATED WOOD FOR ALL FLOOR JOISTS AND BEAMS WHICH ARE EXPOSED OR WITHIN 18" OF THE GROUND, OR IN PERMANENT CONTACT WITH EARTH.

8-WHEN MULTIPLE 2X (-) MEMBERS USED AS POSTS THEY SHALL BE CONNECTED TO EACH OTHER AS FOLLOWS:

- 2 MEMBERS: 10 D NAILS @ 12" ON CENTER BOTH SIDES
- 3 MEMBERS: 10 D NAILS @ 8" ON CENTER BOTH SIDES
- 4 MEMBERS MIDDLE 2 MEMBERS CONNECTED TO EACH OTHER AS ABOVE OUTER MEMBERS CONNECTED TO MIDDLE MEMBERS WITH10 D NAILS @ 12" ON CENTER

9-BEAR BEAMS AND GIRDERS AT LEAST 4" ON MASONRY OR CONCRETE. BEAR BEAMS, GIRDERS, JOISTS, RAFTERS AND TRUSSES ON CONTINUOUS WOOD PLATE WITH ⅝" DIAMETER BOLTS @ 48" O.C. X 18" LONG, UNLESS OTHERWISE NOTED. FLOOR JOISTS, CEILING JOISTS AND ROOF RAFTERS SHALL HAVE 4" NOMINAL BEARING ON WOOD OR WOOD PLATES ON METAL OR MASONRY.

10-PROVIDE 2" NOMINAL THICKNESS FULL DEPTH SOLID BLOCKING FOR JOISTS AND RAFTERS AT ENDS AND AT SUPPORTS. OMIT SOLID BLOCKING WHEN JOISTS ARE NAILED TO A CONTINUOUS HEADER. LAP JOISTS FRAMING FROM OPPOSITE SIDES OF A BEAM, GIRDER OR PARTITION AT LEAST 6". SECURE JOISTS FRAMED END TO END WITH METAL STRAPS. USE APPROVED FRAMING ANCHORS TO SUPPORT JOISTS FRAMING INTO THE SIDES OF WOOD OR STEEL BEAMS. FASTEN SOLID WOOD BLOCKING TO STEEL BEAM WEB WITH 2 ROWS OF ⅝" DIAMETER THROUGH-BOLTS @ 16" O.C PRIOR TO INSTALLING JOIST HANGERS. PROVIDE DOUBLED (OR EQUIVALENT CROSS-SECTION) TRIMMER AND HEADER JOISTS AROUND OPENINGS UNLESS NOTED OTHERWISE. SUPPORT HEADER JOISTS FROM FRAMING ANCHORS OR JOIST HANGERS UNLESS BEARING ON A BEAM, PARTITION OR A WALL. JOISTS CARRYING PARTITIONS PERPENDICULAR TO JOISTS SHALL NOT BE OFFSET FROM SUPPORTING GIRDERS, WALLS OR PARTITIONS MORE THAN THE JOIST DEPTH. JOISTS CARRYING PARTITIONS PARALLEL TO JOISTS SHALL BE DOUBLED.

CONCRETE (CAST-IN-PLACE)

1- CONCRETE DESIGN AND DETAILING SHALL CONFORM TO THE REQUIREMENTS OF LATEST 318.

2- MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE.

SLABS ON GRADE	3500 PSI
ALL OTHER CONCRETE	3000 PSI

5-ALL EXTERIOR CONCRETE AND CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED.

6-SLABS POURED ON GRADE SHALL BE MINIMUM 4 INCHES THICK, PLACED OVER VAPOR BARRIER AND 4 INCHES OF WASHED GRAVEL UNLESS NOTED OTHERWISE. SLABS ON GRADE SHALL BE REINFORCED WITH 6X6-W1.4XW1.4 WELDED WIRE FABRIC PLACED AT THE MID DEPTH OF THE SLAB. LAP WELDED WIRE FABRIC ONE FULL MESH AT ENDS AND SIDES.

7-ALL CONCRETE WORK, REINFORCING PLACEMENT, SHALL BE INSPECTED UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER. CONCRETE QUALITY CONTROL, INSPECTION AND TESTING SHALL BE IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATIONS, AS WELL AS LOCAL BUILDING CODE REQUIREMENTS.

DEMOLITION

1-STRUCTURAL DEMOLITION SHALL ONLY BE DONE BY LICENSED CONTRACTOR EXPERIENCED IN STRUCTURAL DEMOLITION.

2- ALL MASONRY WALLS SHALL BE REMOVED BY SAW CUTTING.

3- OUTMOST CARE SHALL BE TAKEN TO PREVENT EXISTING AND REMAINING STRUCTURE FROM ANY DAMAGE DUE TO FALLING DEBRIS OR VIBRATIONS.

4-TEMPORARY SHORING WHERE REQUIRED SHALL BE DESIGNED AND PROVIDED BY CONTRACTOR.

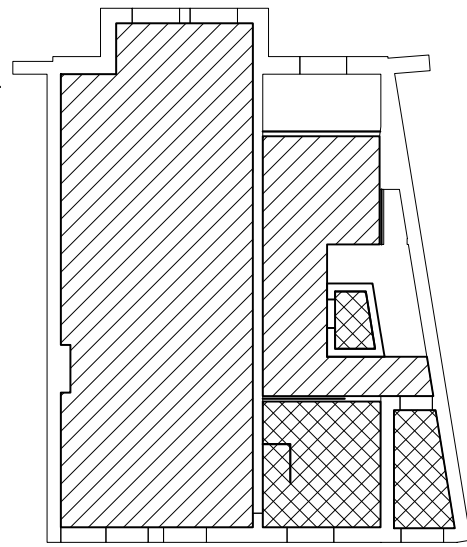
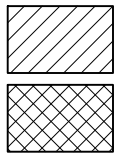
5-IF EXISTING FIELD CONDITIONS DIFFER FROM WHAT IS SHOWN FROM CONTRACT DOCUMENTS THAN THIS OFFICE SHALL BE INFORMED AT ONCE.

Table of contents

Page number No.	DRAWING NAME	COMMENTS
S-01	General notes. Table of contents. Load plans.	
S-02	Connection details for wood elements and aisle detailing	
S-03	Basement floor plan & 1st floor plan	
S-03.1	1st floor framing plan and 2nd floor framing plan	
S-04	2nd floor plan & 3rd floor plan	
S-04.1	3rd floor framing plan and attic floor framing plan	
S-05	Attic plan and Roof framing plan	
S-06	Internal stair detailing	
S-07	Site structure detailing	

Dead load plan on ground floor

1"=16'

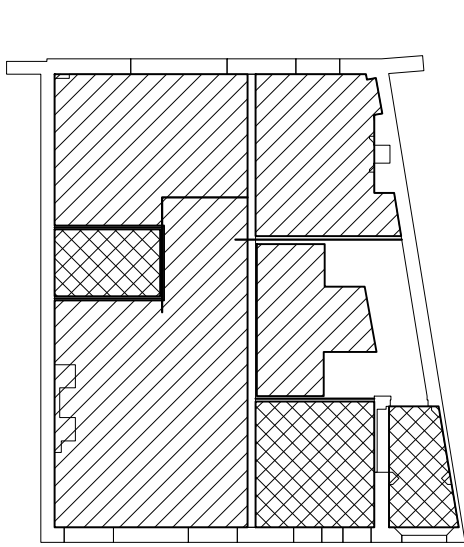


FLOOR AREAS WITH wood FLOOR 25 LBS. /SQ. FT.

FLOOR AREAS WITH TILE FLOOR 40 LBS. /SQ. FT.

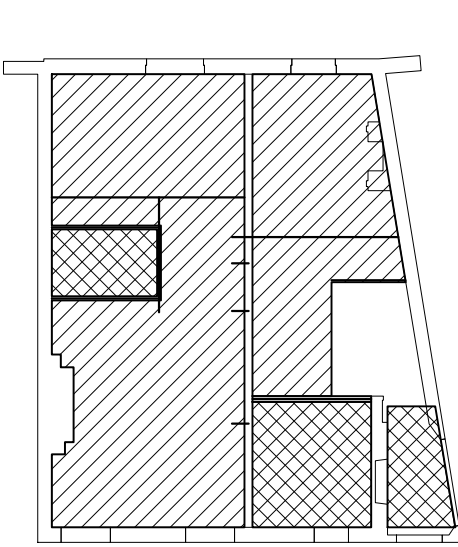
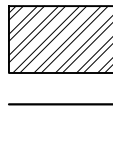
Dead load plan on 1st floor

1"=16'



Dead load plan on 2nd floor

1"=16'

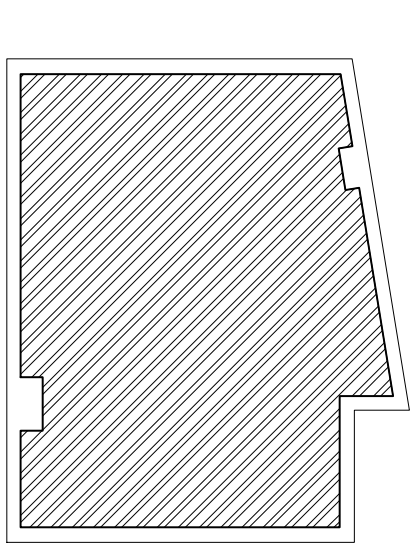


FLOOR AREAS IN ATTIC 15.5 LBS. /SQ. FT.

NEW NON LOAD BEARING PARTITION WALLS

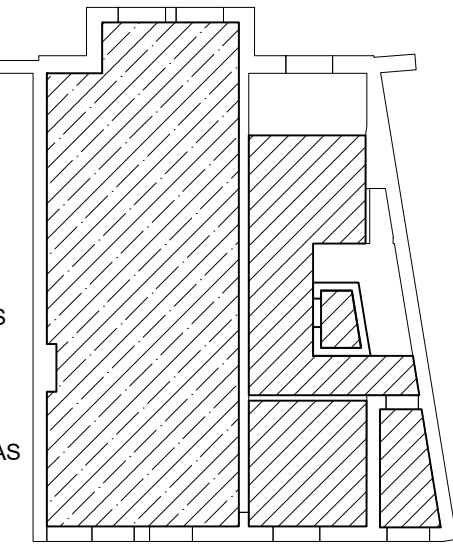
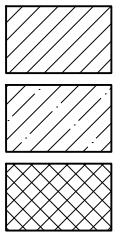
Dead load plan on attic floor

1"=16'



live load plan on ground floor

1"=16'



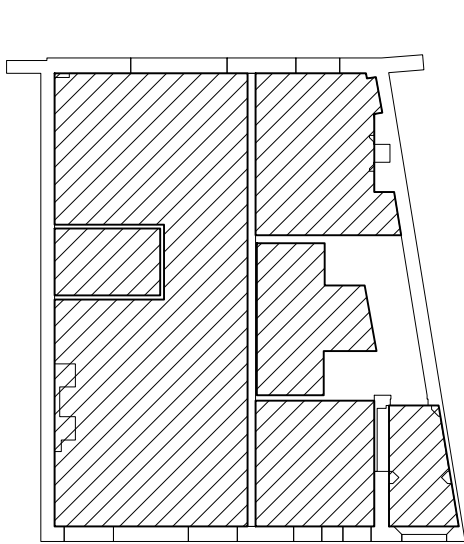
FLOOR AREAS WITH LIVE LOAD 50LBS. /SQ. FT.

FLOOR AREAS WITH LIVE LOAD 100LBS. /SQ. FT.

FLOOR AREAS WITH LIVE LOAD 20LBS. /SQ. FT.

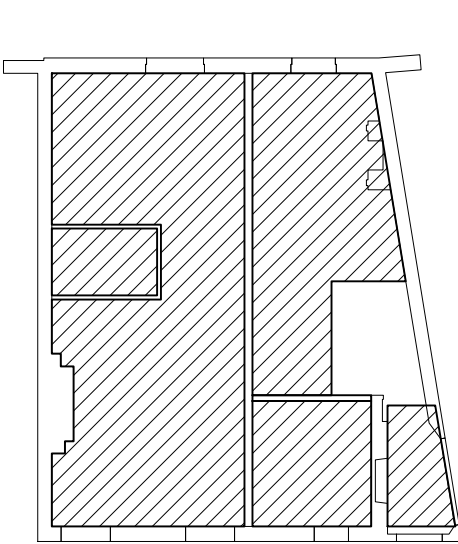
live load plan on 1st floor

1"=16'



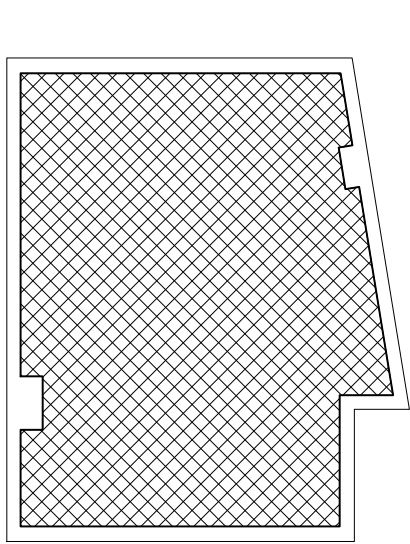
live load plan on 2nd floor

1"=16'



live load plan on attic floor

1"=16'



Atelier MJK

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

LATVIAN EMBASSY
2304 MASSACHUSETTS
AVE., NW,
WASHINGTON, D.C.,
20008

REVISIONS:

02/16/21

DATE: 28/07/20

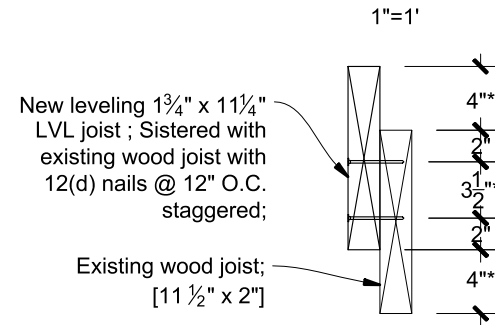
SHEET NAME:

General notes.
Table of contents.
Load plans.

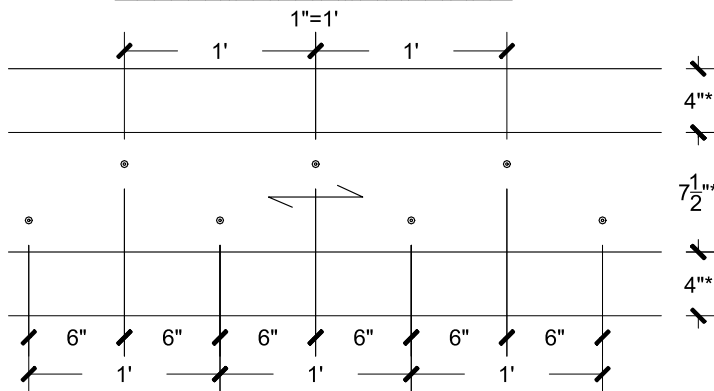
SHEET #:

S-01

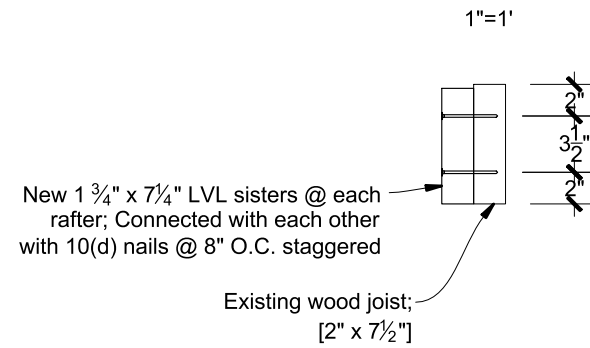
Connection detail 1 between new sistered wood joists
(Existing wood joists 2" x 11 1/2" and leveling LVL 1 3/4" x 11 1/4")



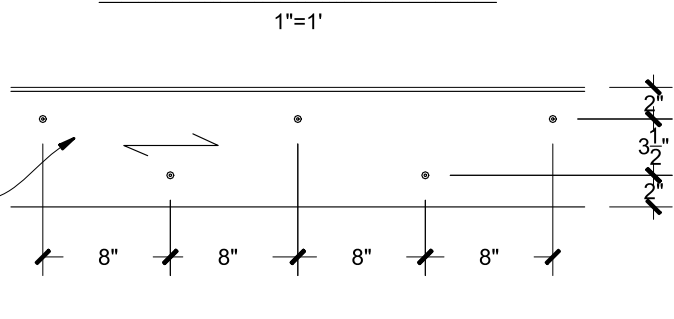
Connection detail 1 side view



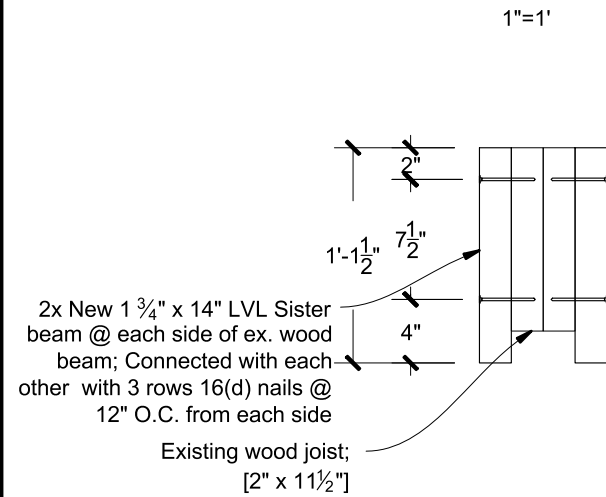
Connection detail 2 between new sistered wood joists
(Existing wood joists 2" x 7 1/2" and LVL 1 3/4" x 7 1/4")



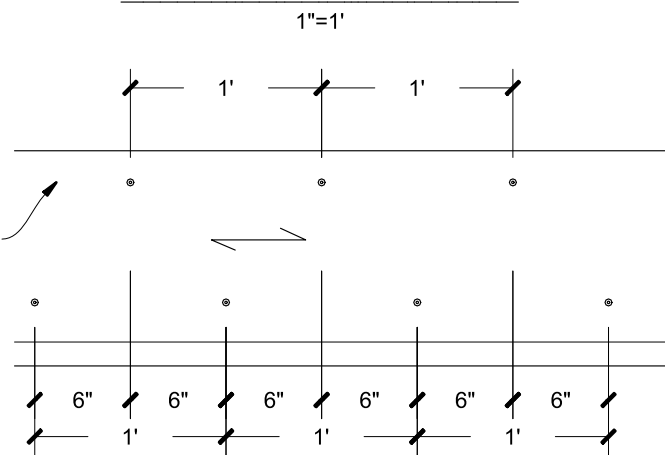
Connection detail 2 side view



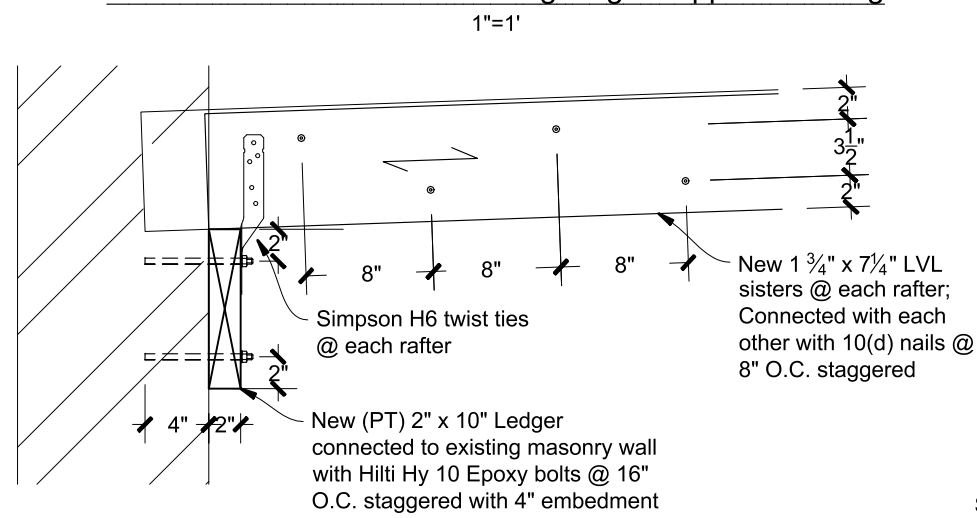
Connection detail 3 between new sistered roof wood joists
(Existing wood joists 2" x 12" and LVL 1 3/4" x 14")



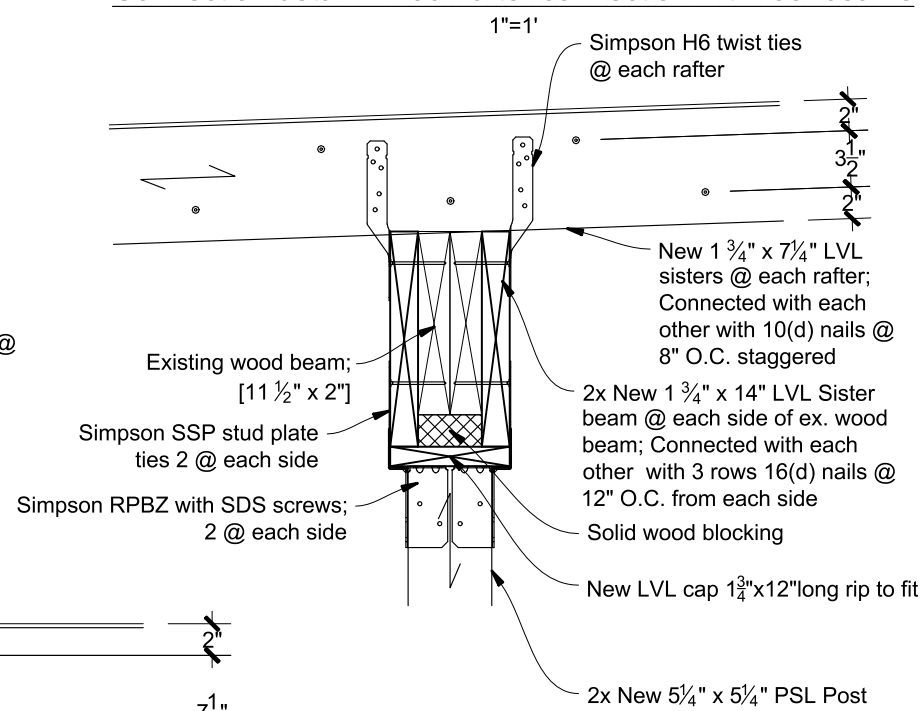
Connection detail 3 side view



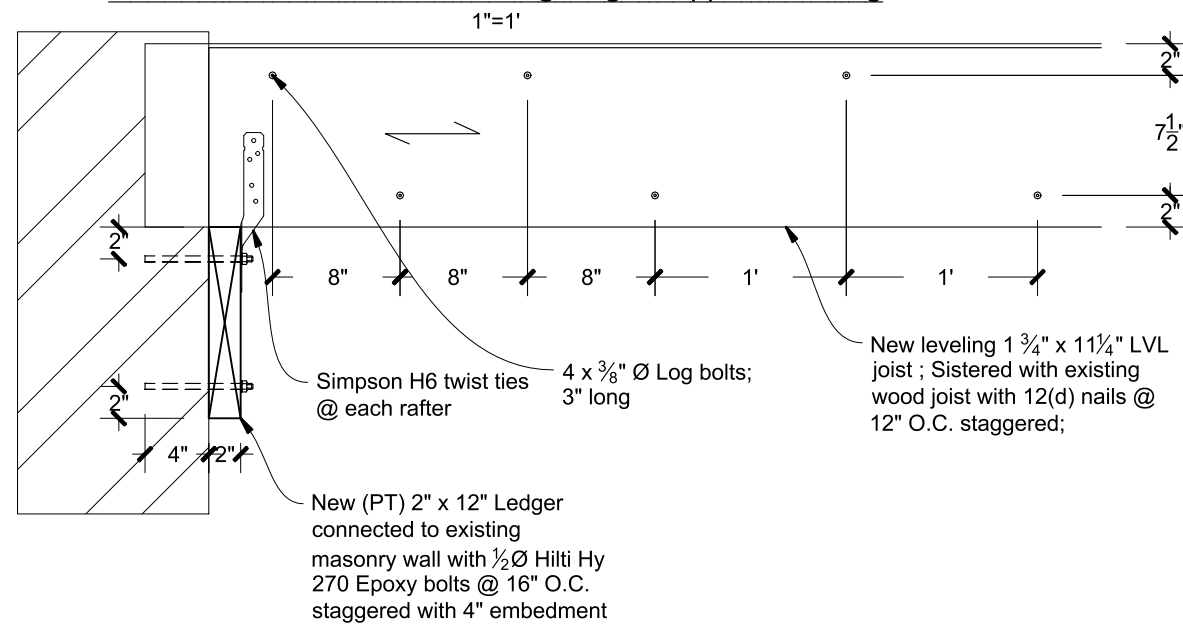
Connection detail A Roof framing ledger support detailing



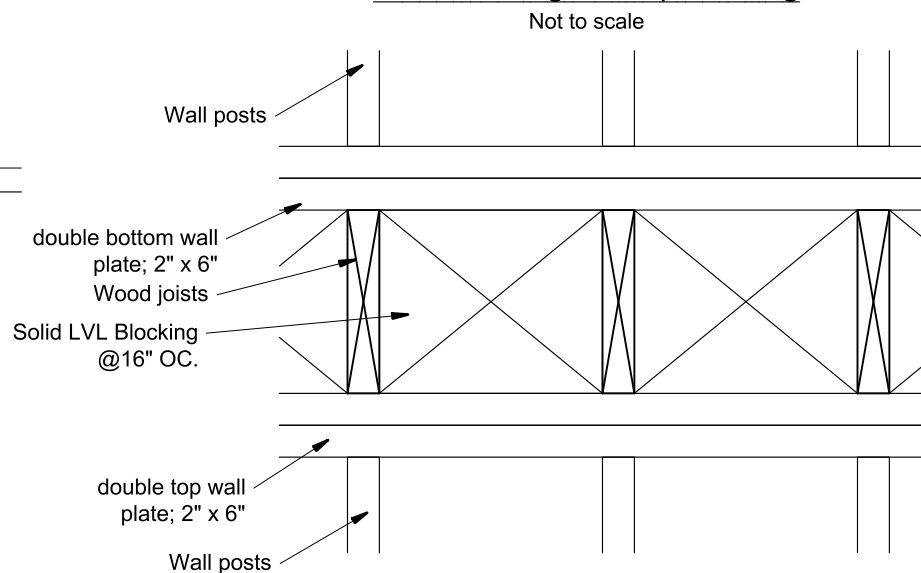
Connection detail B Roof rafter connection with roof beams



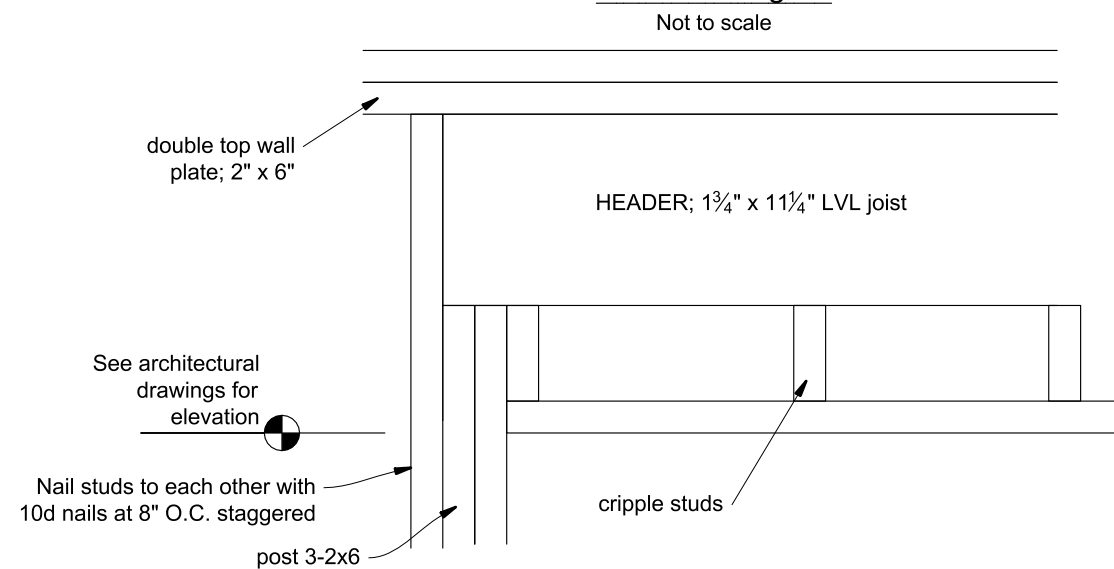
Connection detail C floor framing ledger support detailing



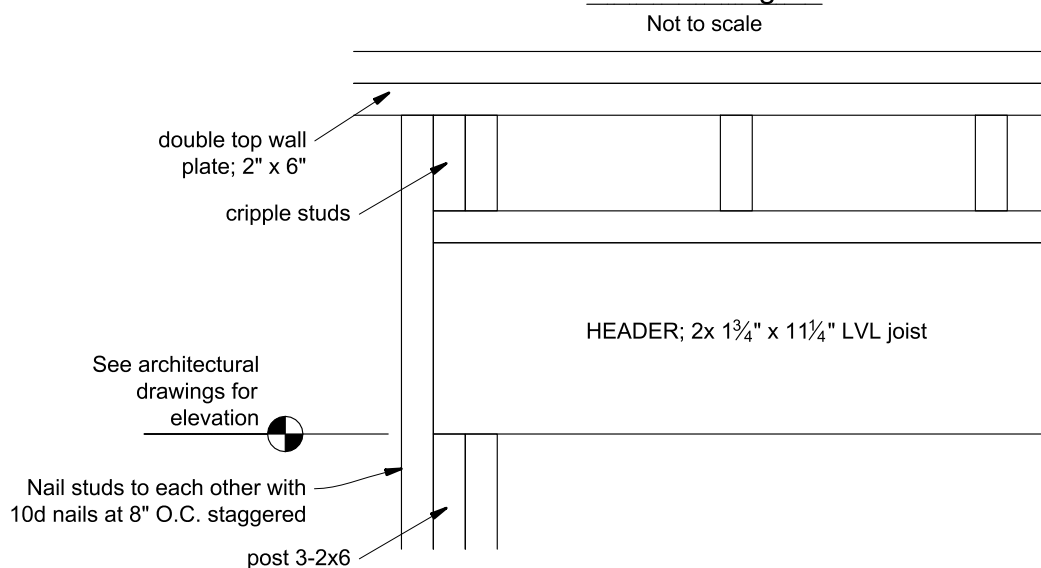
Wood framing wall top detailing



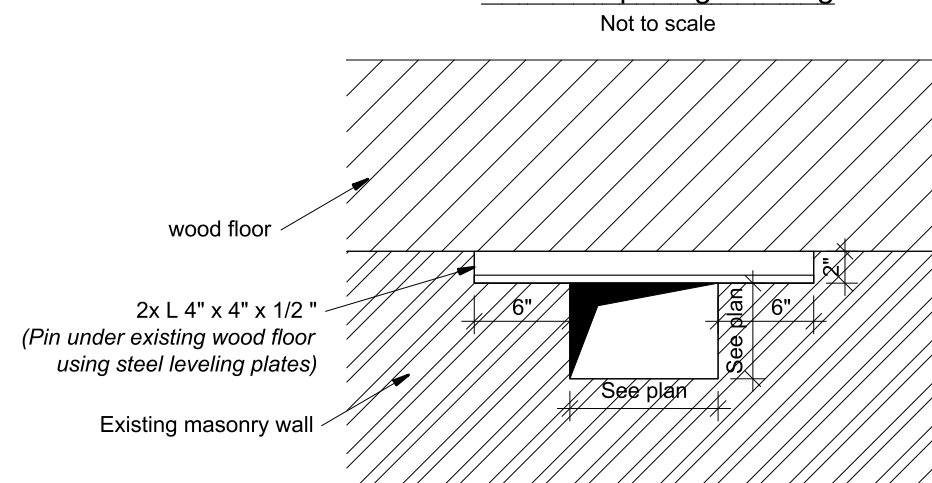
Aisle detailing A1



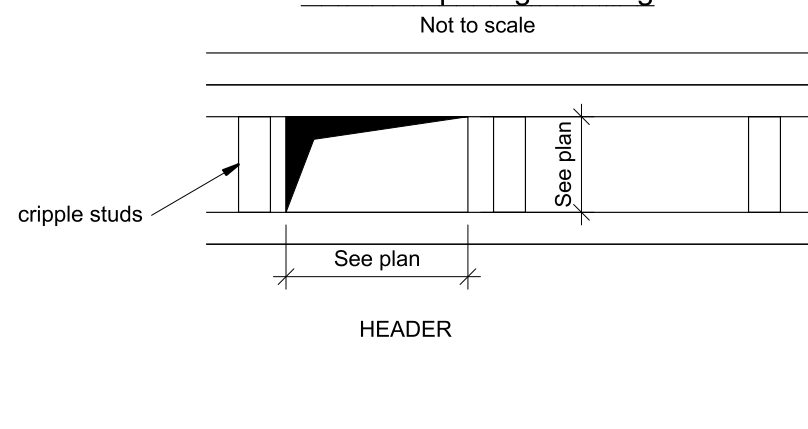
Aisle detailing A2



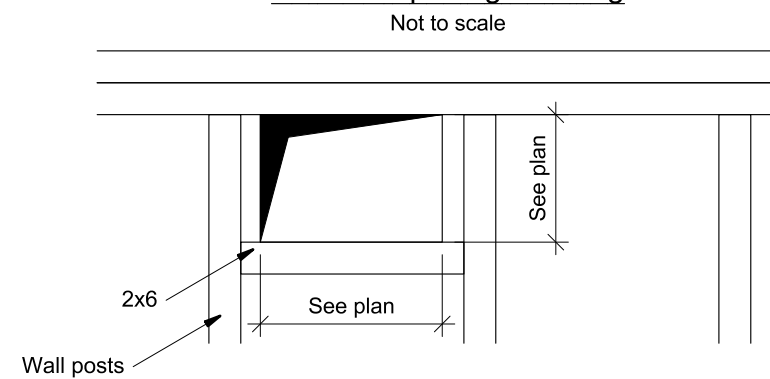
A3 MEP opening detailing



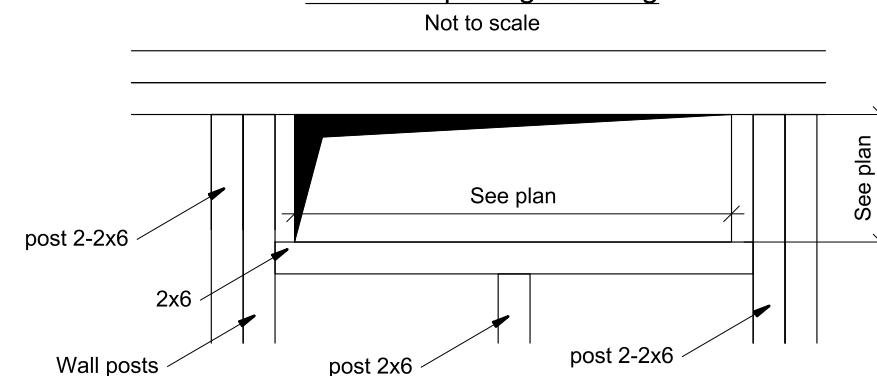
A5 MEP opening detailing



A4 MEP opening detailing



A6 MEP opening detailing

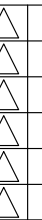


ATELIER MJK

1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

LATVIAN EMBASSY
2304 MASSACHUSETTS
AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:



DATE: 28/07/20

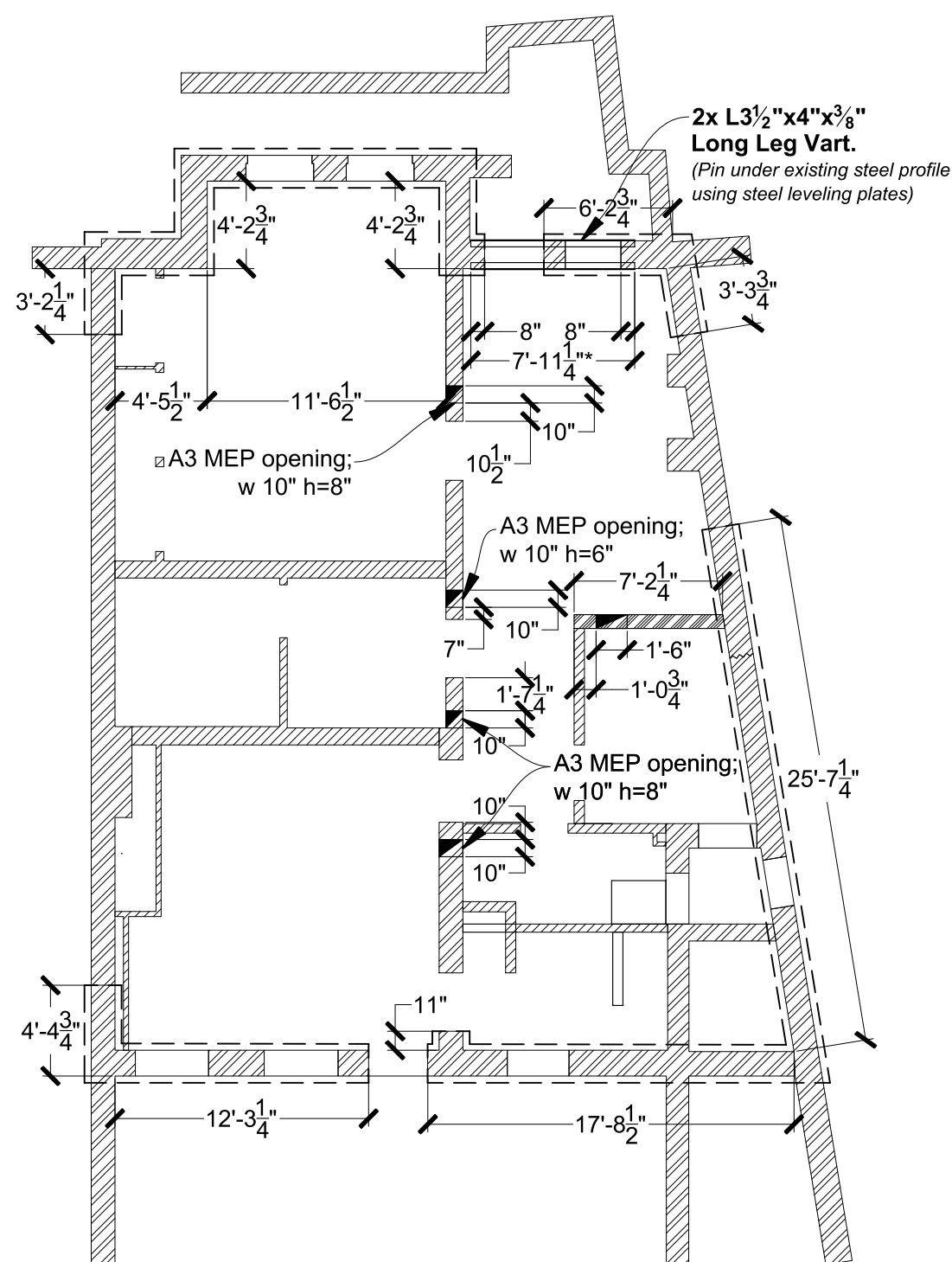
SHEET NAME:

Connection details
for wood elements
and aisle detailing

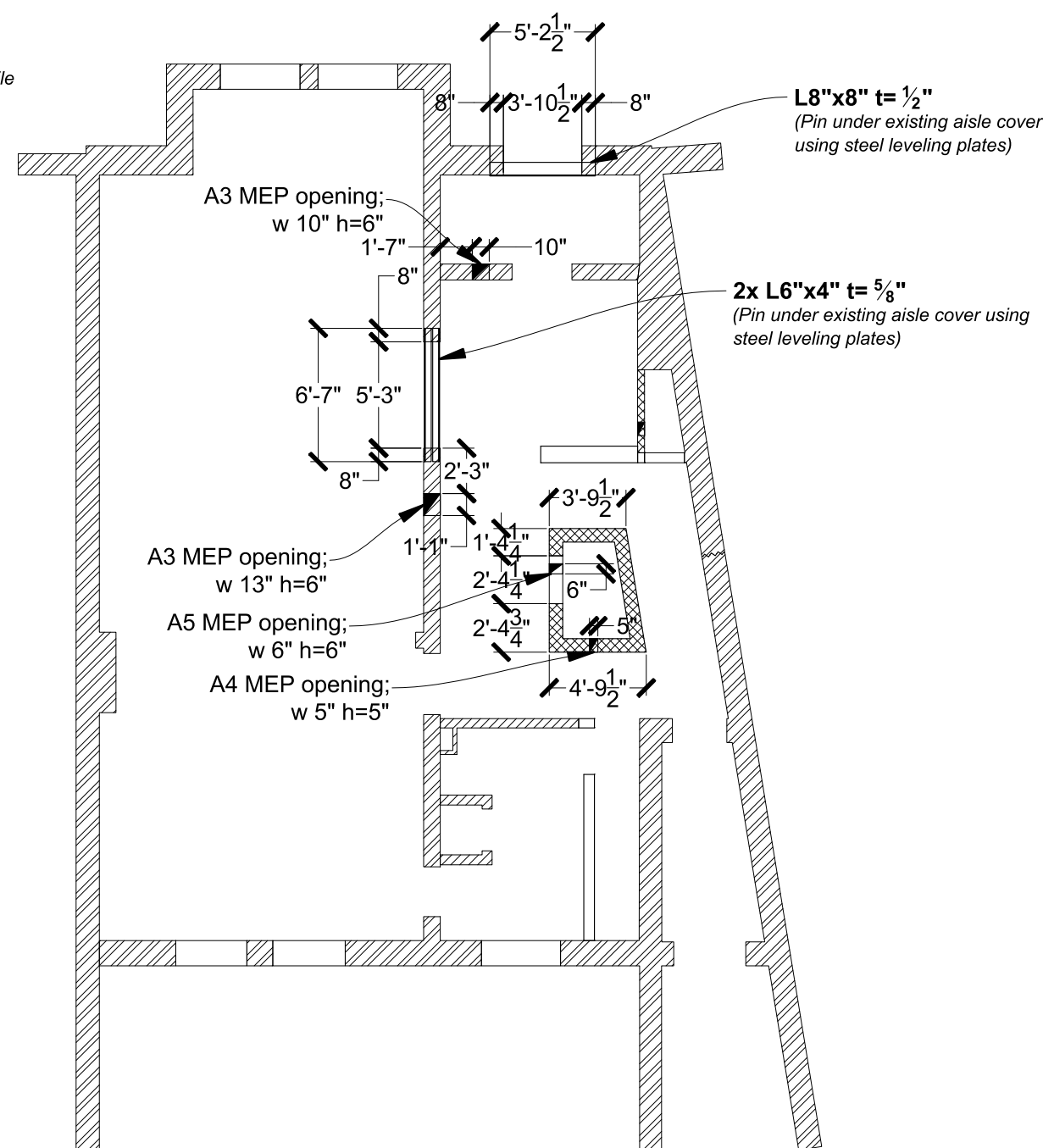
SHEET #:

S-02

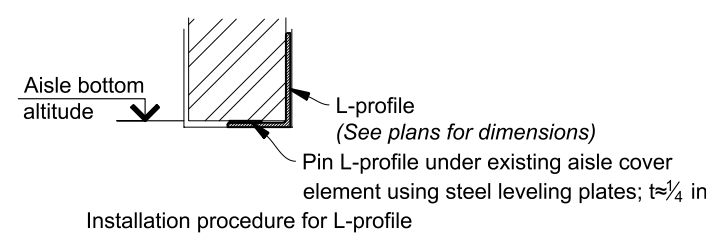
1"=8'



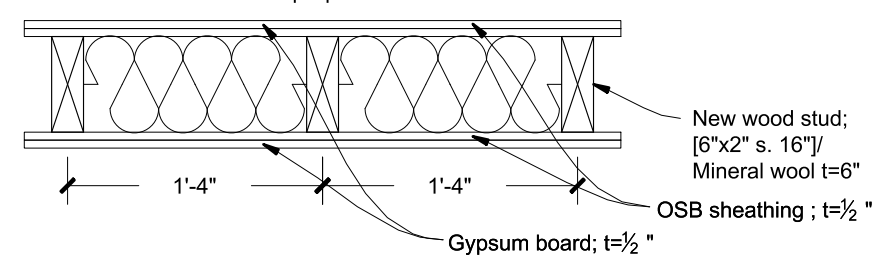
1"=8'



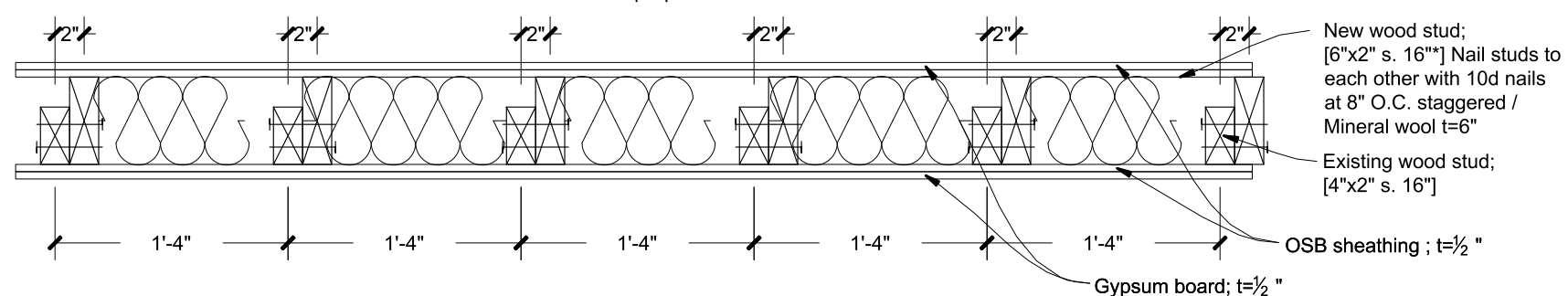
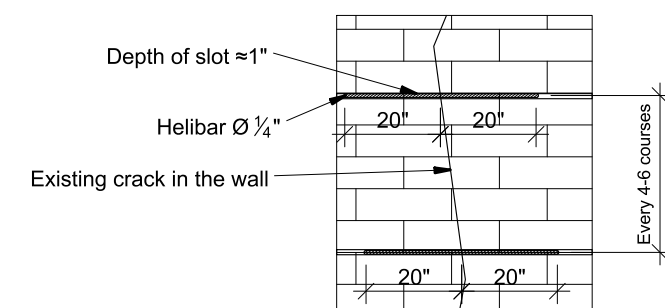
M 1:20



1. Provide temporary supports under existing aisle.
2. Rake out or cut slots into the horizontal mortar beds at each side of aisle, a minimum of 8".
3. Clean out slots.
4. Insert L-profile in to slots under aisle cover element.
5. Pin L-profile under existing aisle cover element using steel leveling plates.

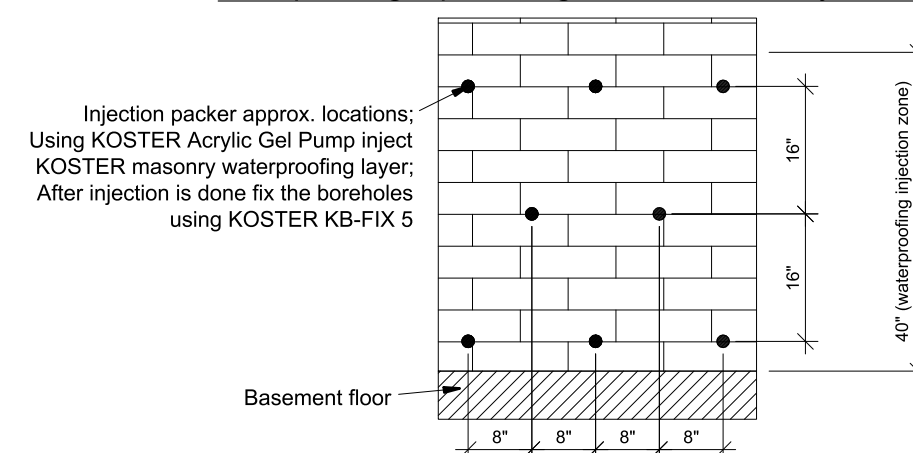
$$1''=1'$$


1"=1'



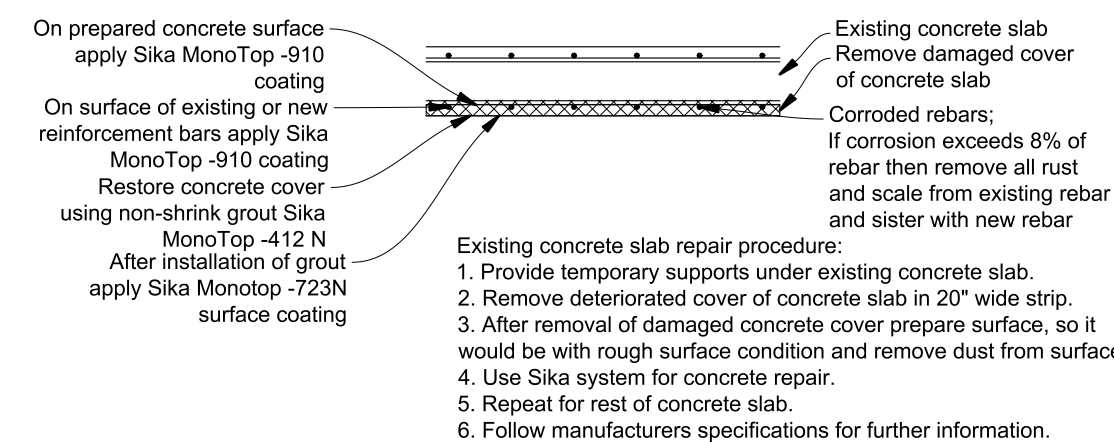
- Crack repairment procedure:
1. Take out or cut slots into the horizontal mortar beds, a minimum of 20" either side of the crack.
 2. Clean out slots and flush with clean water and thoroughly soak the substrate within the slot.
 3. Using the Helifix Pointing gun Kit, inject a bead of HeliiBond along the back of the slot.
 4. Using the brick jointer, or similar, push one HeliiBar into the grout to obtain good coverage.
 5. Insert a further bead of HeliiBond over the exposed HeliiBar, finishing 1/2" from the face, and 'iron' into the slot using the brick jointer.
 6. Re-point the mortar bed and make good the vertical crack with CrackBond TE3.

waterproofing repair using KOSTER Masonry waterproofing injection

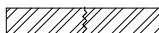
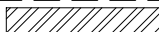
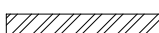
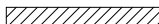
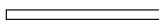


Regarding waterproofing injection procedure consult wit KOSTER waterproofing specialist

M 1:20



KEY:

- | | |
|---|---|
|  | New load bearing wood framing wall;
Stud 2" x 6" @16" O.C. |
|  | Existing load bearing wood framing wall with added reinforcing wood framing elements; Nail studs to each other with 10d nails at 8" O.C. staggered;
Existing stud size ≈2" x 4", @16" O.C.
Additional stud size 2" x 6" @16" O.C. |
|  | New aisle, see S-02 for detailing |
|  | MEP openings in walls see S-02 for detailing |
|  | Existing load bearing solid clay brick wall with cracks;
Use HELIFIX CRACK REPAIR SYSTEM for repairs |
|  | Existing load bearing solid clay brick wall with insufficient or non existing horizontal waterproofing; Use KOSTER Masonry waterproofing injection for repairs |
|  | Existing load bearing solid clay brick wall; <u>remove existing interior wall face plaster from basement exterior walls and cover basement exterior walls interior face with Ceresit CR62 plaster or equivalent;</u>
Brick size ≈8"x4"x2 1/4"
Thickness for exterior walls ≈12 1/2"
Thickness for interior walls ≈10" |
|  | New gypsum partition wall, see architectural drawings |
|  | Removable wood framing wall |
|  | Existing partition wall, see architectural drawings |

.\logos\131008_pdf stamp - white.jpg

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

LATVIAN EMBASSY
2304 MASSACHUSETTS
AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△	
△	
△	
△	
△	
△	

DATE: 28/07/20

SHEET NAME:

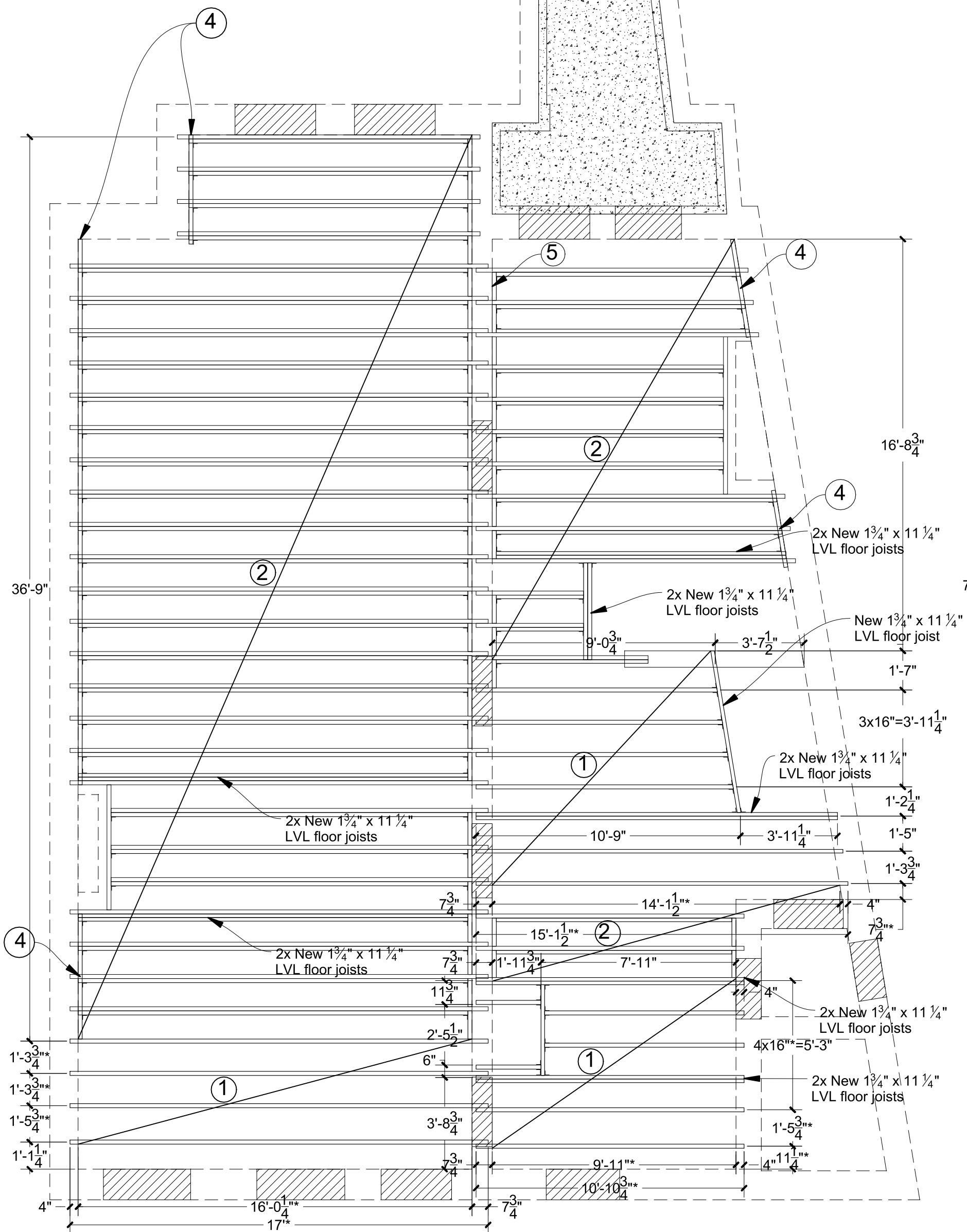
Basement floor plan &
1st floor plan

SHEET #:

S-03

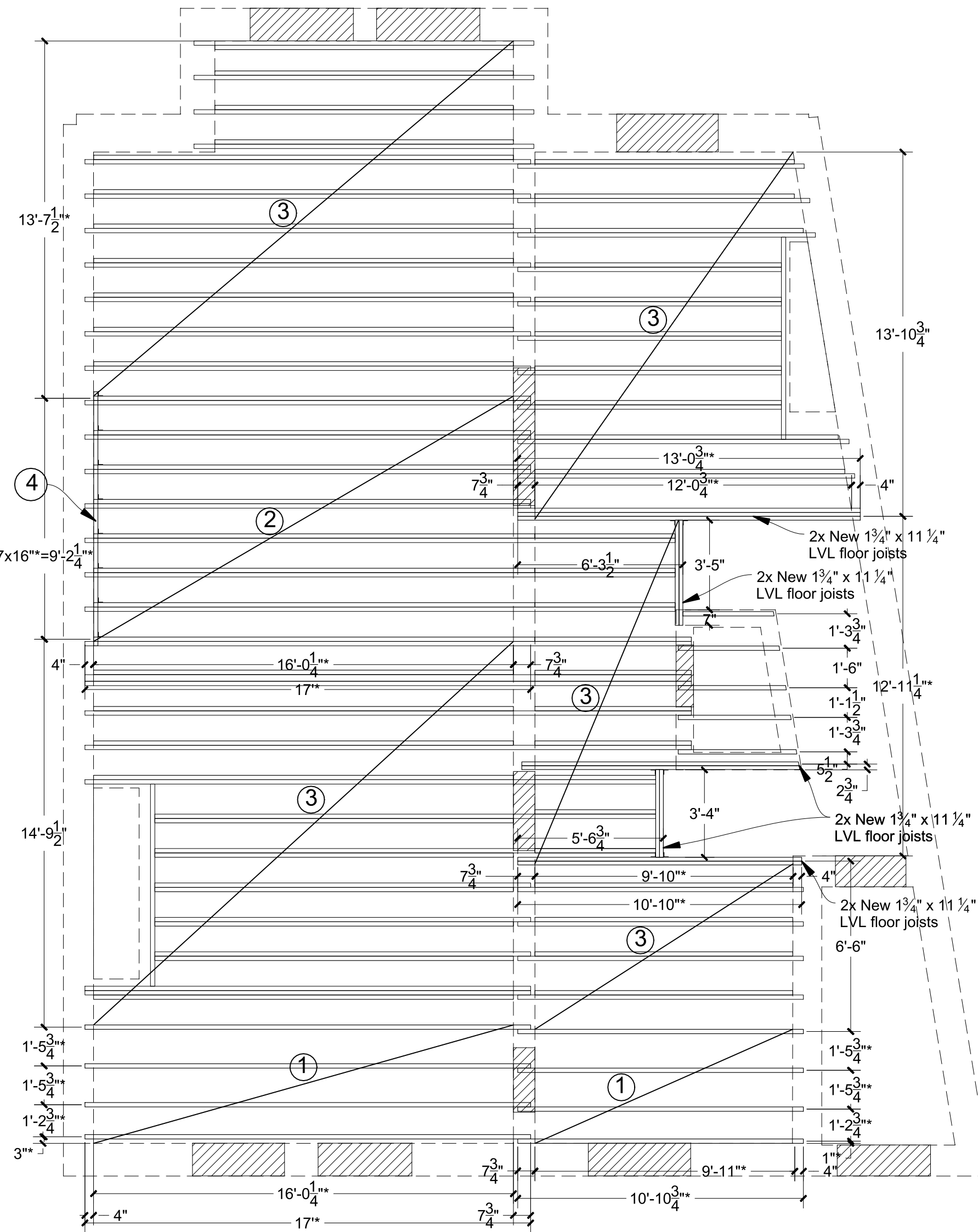
1st floor framing plan

1"=4'



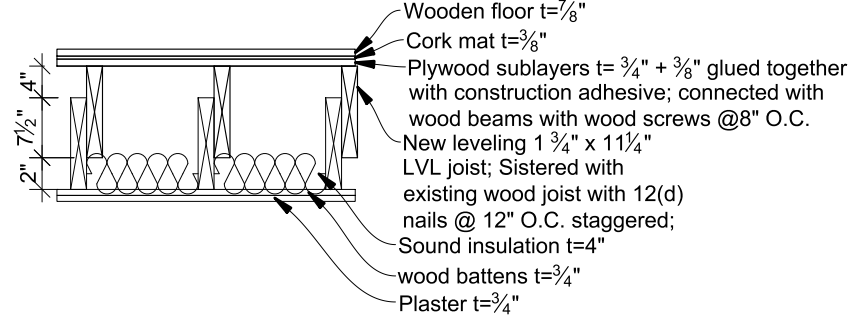
2nd floor framing plan

1"=4'



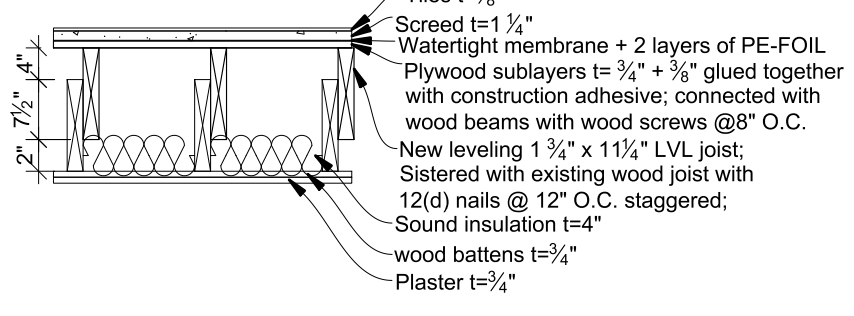
New load bearing wood floor in areas with wood floor

1"=2'



New load bearing wood floor in areas with tile floor

1"=2'



KEY:

- New wood elements, see plans for dimensions
- Existing wood elements
- Load bearing masonry or wood framing walls
- Aisle in load bearing wall under framing
- Existing damaged concrete slab, for repairs see page S-03
- Joist hanger locations. All members including LVLs and regular Lumber beams and Joists must be provided with matching hangers. Hangers must be connected as specified in manufacturers design manual.

- ① New 1 3/4" x 11 1/4" LVL floor joists, place in existing pockets and grout after moisture proofing (Grout with compressive resistance >2000PSI; Moisture proofing: Tar paper in two layers)
- ② New leveling 1 3/4" x 11 1/4" LVL joist ; Sistered with existing wood joist with 12(d) nails @ 12" O.C. staggered;
- ③ New leveling 2" x 8" wood joist ; Sistered with existing wood joist with 12(d) nails @ 12" O.C. staggered;
- ④ New (PT) 2" x 12" Ledger connected to existing masonry wall with 1/2" Hilti Hy 10 Epoxy bolts @ 16" O.C. staggered with 4" embedment
- ⑤ New 1 3/4" x 12" solid wood blocking elements along the internal masonry wall for support of new sister joists

..logos\131008_pdf_stamp - white.jpg

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

LATVIAN EMBASSY
2304 MASSACHUSETTS
AVE, NW, 20009
WASHINGTON, D.C.,
20008

REVISIONS:

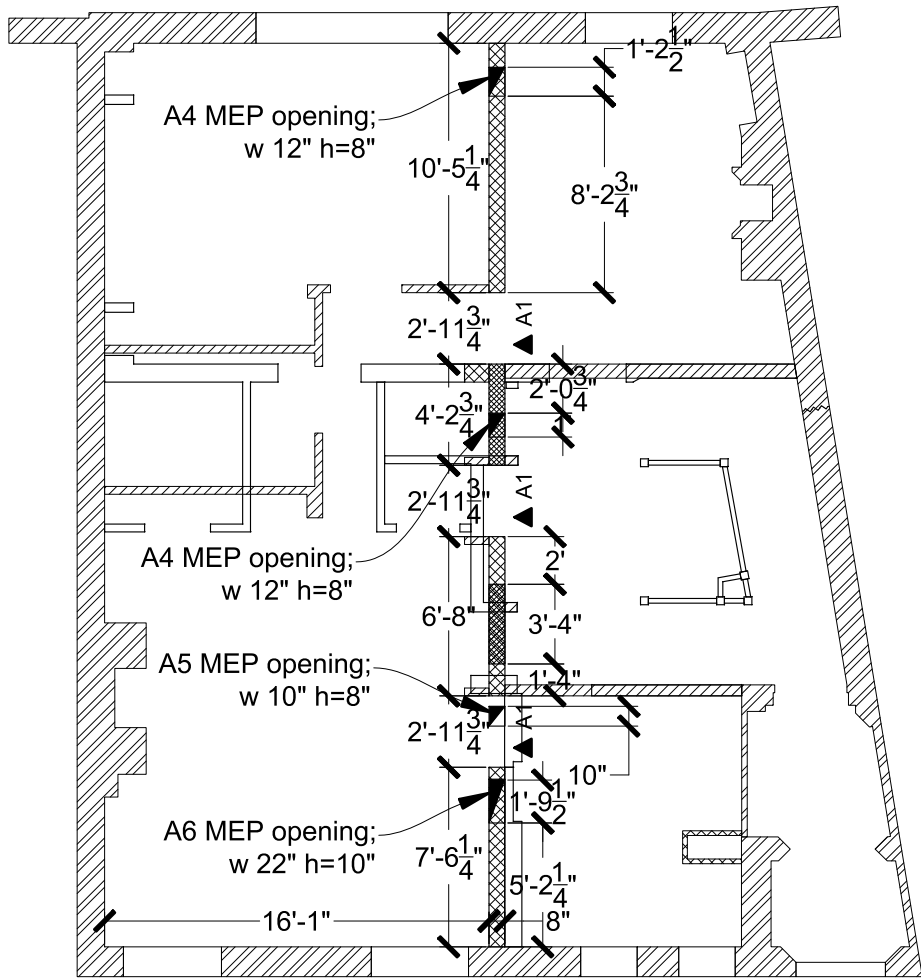
△	
△	
△	
△	
△	

DATE: 28/07/20

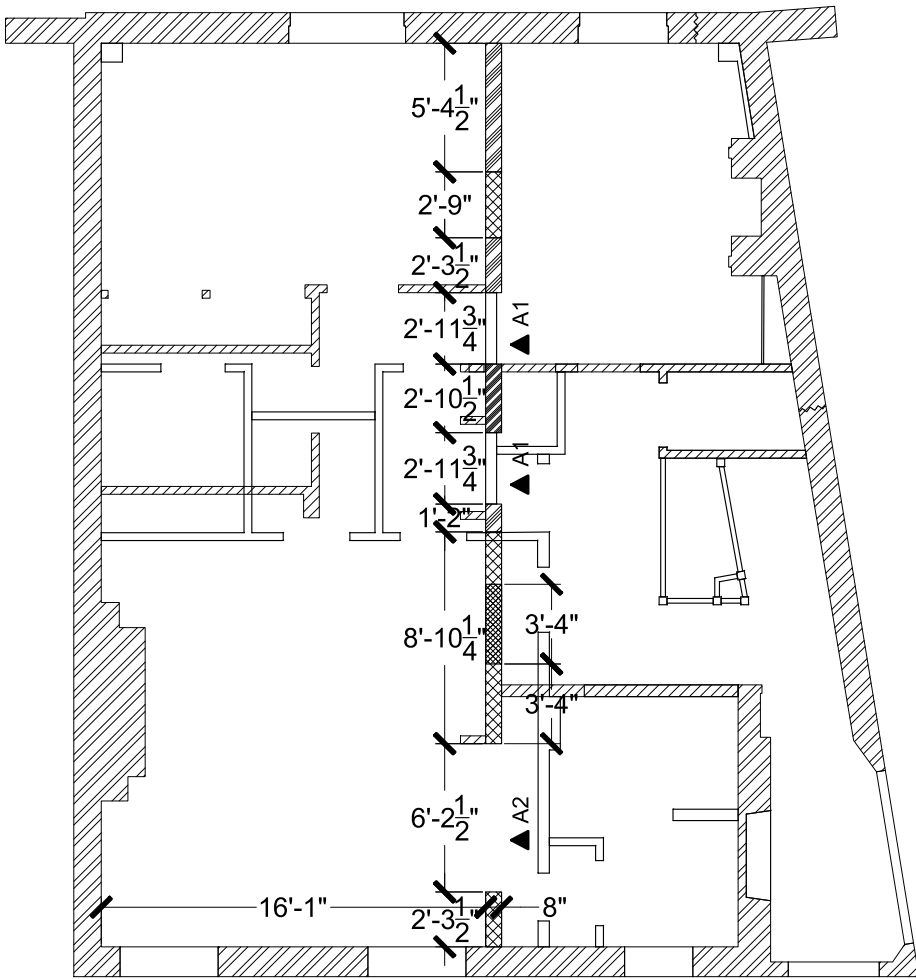
SHEET NAME:
1st floor framing
plan and 2nd floor
framing plan

SHEET #:
S-03.1

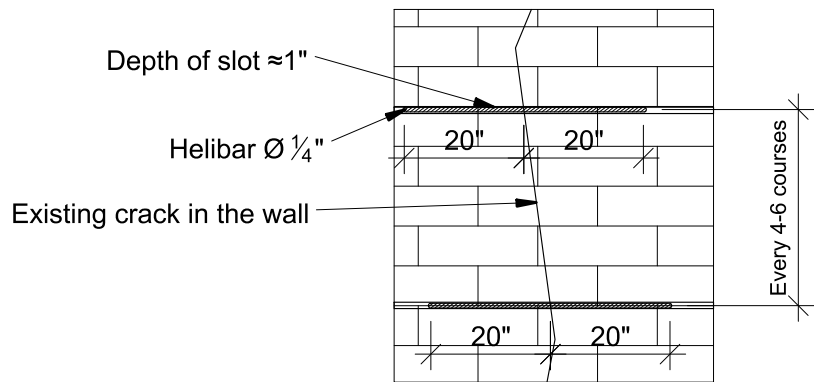
2nd floor plan
1"=8'



3rd floor plan
1"=8'

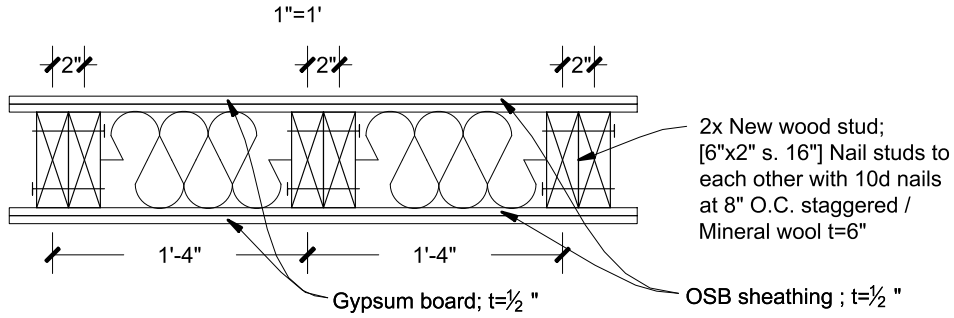


Crack repairing method for existing masonry walls using
HELIFIX CRACK REPAIRMENT SYSTEM

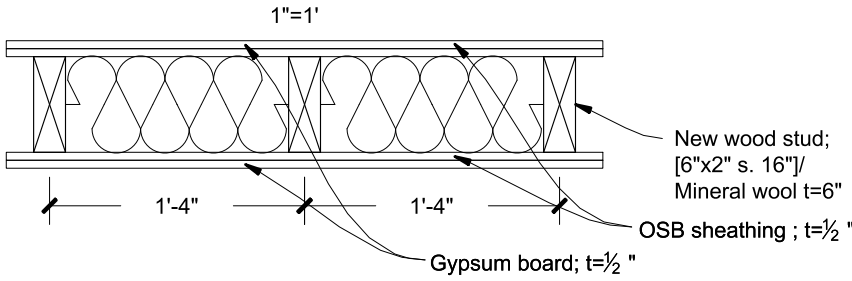


- Crack repairment procedure:
1. Rake out or cut slots into the horizontal mortar beds, a minimum of 20" either side of the crack.
 2. Clean out slots and flush with clean water and thoroughly soak the substrate within the slot.
 3. Using the Helifix Pointing gun Kit, inject a bead of HeliBond along the back of the slot.
 4. Using the brick jointer, or similar, push one HeliBar into the grout to obtain good coverage.
 5. Insert a further bead of HeliBond over the exposed HeliBar, finishing 1/2" from the face, and 'iron' into the slot using the brick jointer.
 6. Re-point the mortar bed and make good the vertical crack with CrackBond TE3.

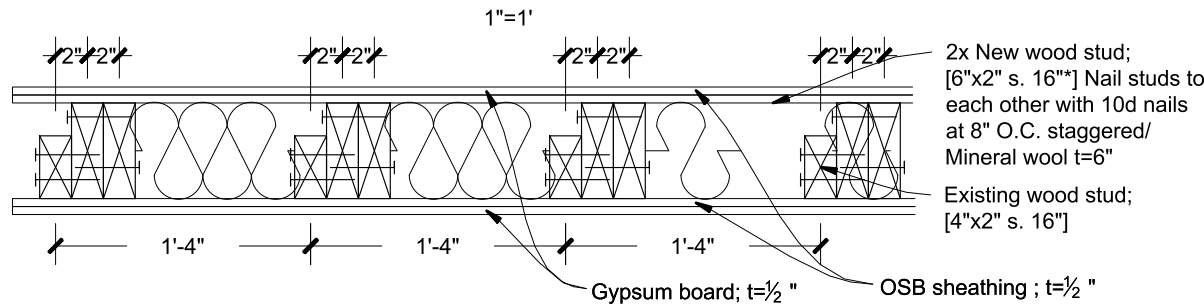
New load bearing wood framing wall with double studs



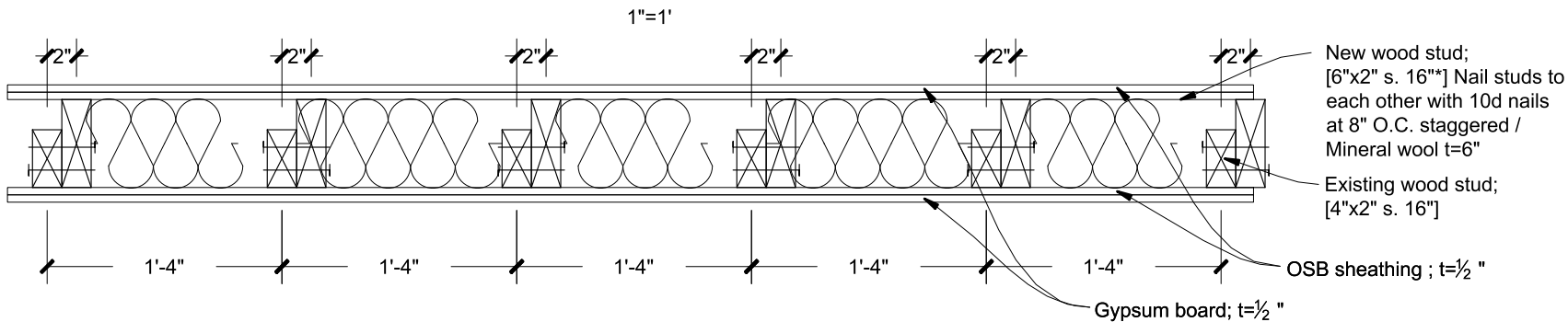
New load bearing wood framing wall



Existing load bearing wood framing wall with added double framing elements;



Existing load bearing wood framing wall with added framing elements;



KEY:

- New load bearing wood framing wall with double studs; Nail studs to each other with 10d nails at 8" O.C. staggered; 2x Stud 2" x 6" @16" O.C.
- New load bearing wood framing wall; Stud 2" x 6" @16" O.C.
- Existing load bearing wood framing wall with added reinforcing wood elements; Nail studs to each other with 10d nails at 8" O.C. staggered; Existing stud size ≈2" x 4", @16" O.C. Additional stud size 2x 2" x 6" @16" O.C.
- Existing load bearing wood framing wall with added reinforcing wood framing elements; Nail studs to each other with 10d nails at 8" O.C. staggered; Existing stud size ≈2" x 4", @16" O.C. Additional stud size 2" x 6" @16" O.C.
- New aisle, see S-02 for detailing
- MEP openings in walls see S-02 for detailing
- Existing load bearing solid clay brick wall with cracks; Use HELIFIX CRACK REPAIR SYSTEM for repairs
- Existing load bearing solid clay brick wall; Brick size ≈8"x4"x2 1/4" Thickness for exterior walls t≈12 1/2" Thickness for interior walls t≈10"
- New gypsum partition wall, see architectural drawings
- Removable wood framing wall

..logos\131008_pdf stamp - white.jpg

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

LATVIAN EMBASSY
2304 MASSACHUSETTS
AVE, NW, 20008
WASHINGTON, D.C.,
20008

REVISIONS:

△	
△	
△	
△	
△	

DATE: 28/07/20

SHEET NAME:

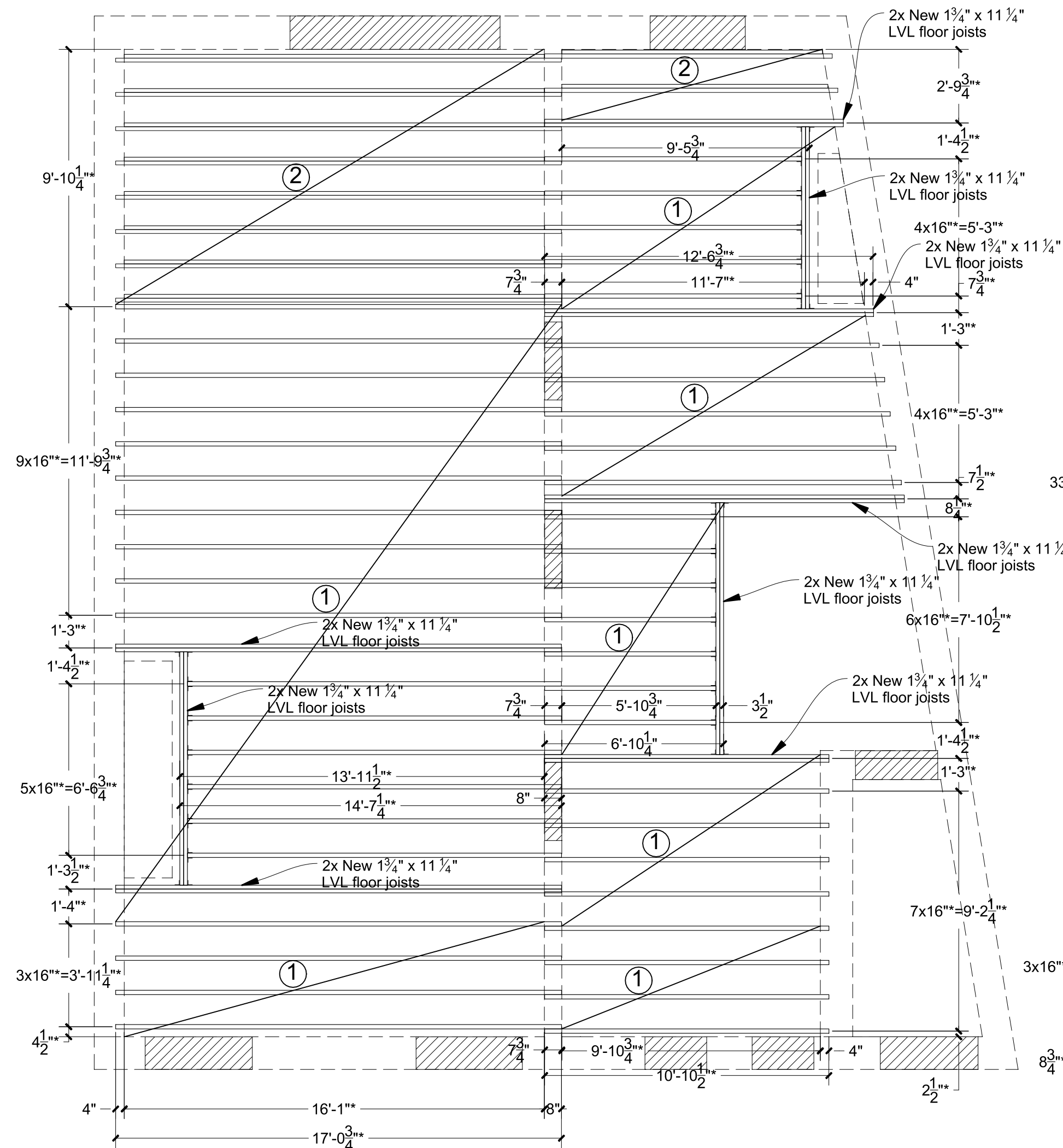
2nd floor plan &
3rd floor plan

SHEET #:

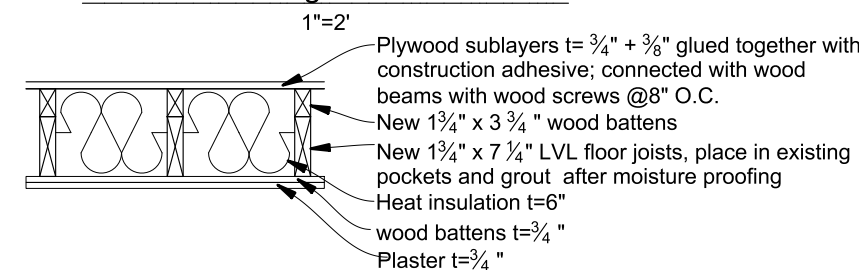
S-04

3rd floor framing plan

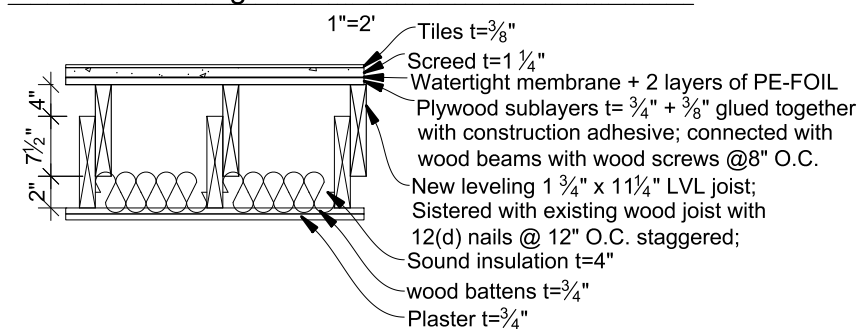
1"=4'



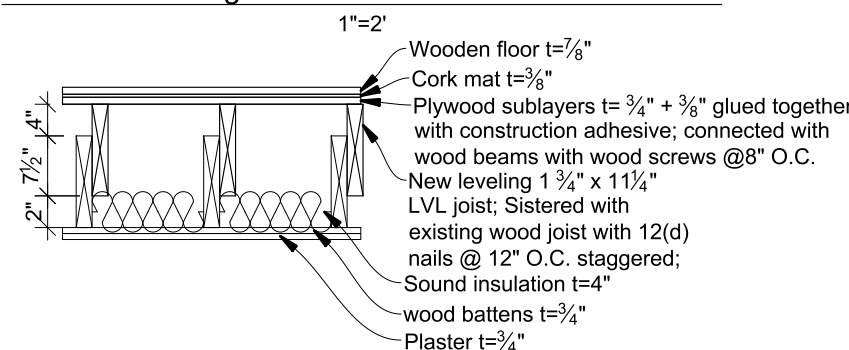
New load bearing wood floor in attic



New load bearing wood floor in areas with tile floor



New load bearing wood floor in areas with wood floor



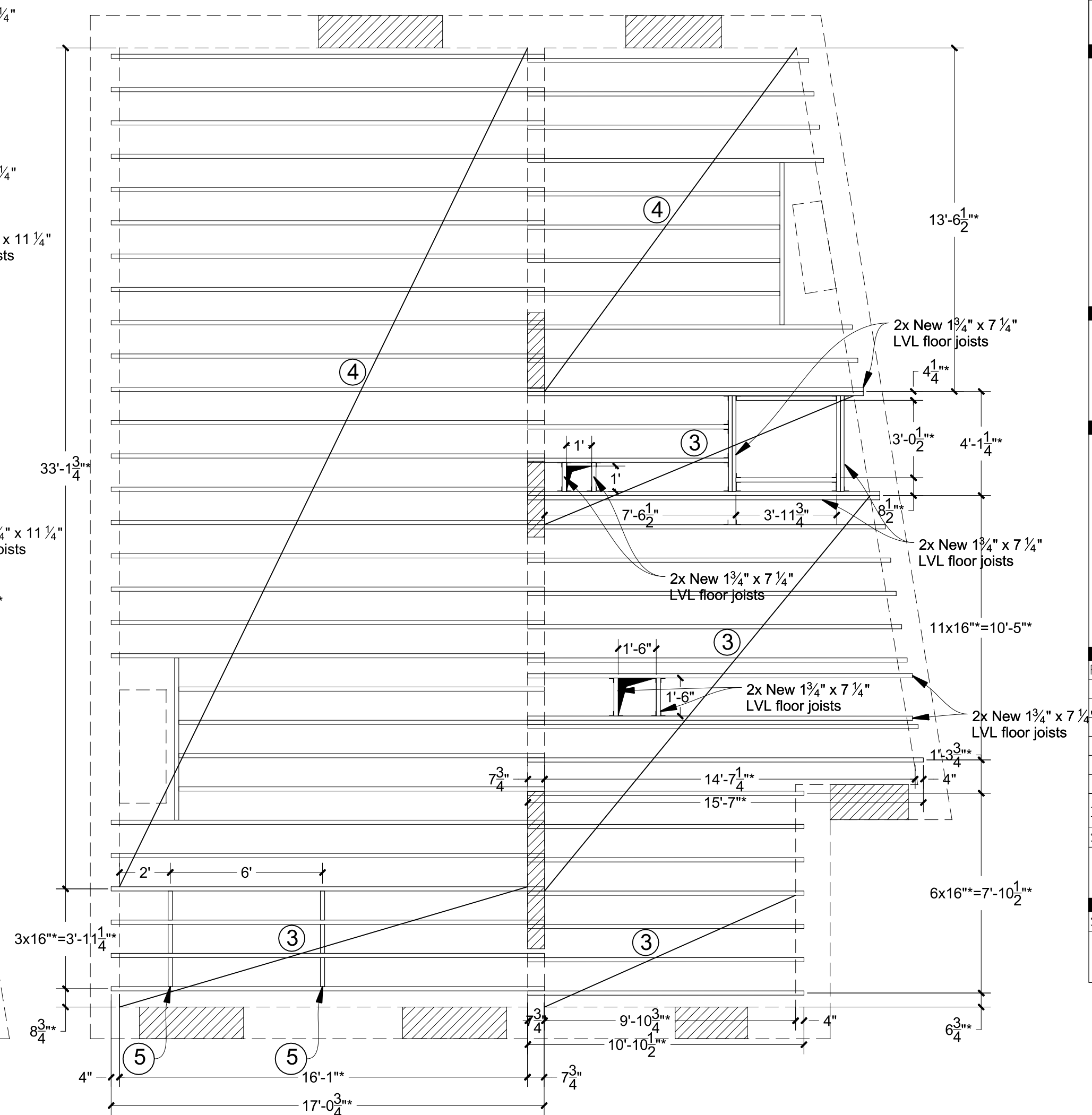
KEY:

- New wood elements, see plans for dimensions
- Existing wood elements
- Load bearing masonry or wood framing walls
- Aisle in load bearing wall under framing
- Joist hanger locations. All members including LVLs and regular Lumber beams and Joists must be provided with matching hangers. Hangers must be connected as specified in manufacturers design manual.

- 1 New 1 3/4" x 11 1/4" LVL floor joists, place in existing pockets and grout after moisture proofing (Grout with compressive resistance >2000PSI; Moisture proofing: Tar paper in two layers)
- 2 New leveling 2" x 8" wood joist ; Sistered with existing wood joist with 12(d) nails @ 12" O.C. staggered;
- 3 New 1 3/4" x 7 1/4" LVL floor joists, place in existing pockets and grout after moisture proofing (Grout with compressive resistance >2000PSI; Moisture proofing: Tar paper in two layers)
- 4 Existing 2" x 7 1/2" wood joist to remain
- 5 Solid 2" x 7 1/2" blocking

Attic framing plan

1"=4'



\\logos\131008_pdf_stamp - white.jpg

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

LATVIAN EMBASSY
2304 MASSACHUSETTS
AVE, NW, 20008
WASHINGTON, D.C.,
20008

REVISIONS:

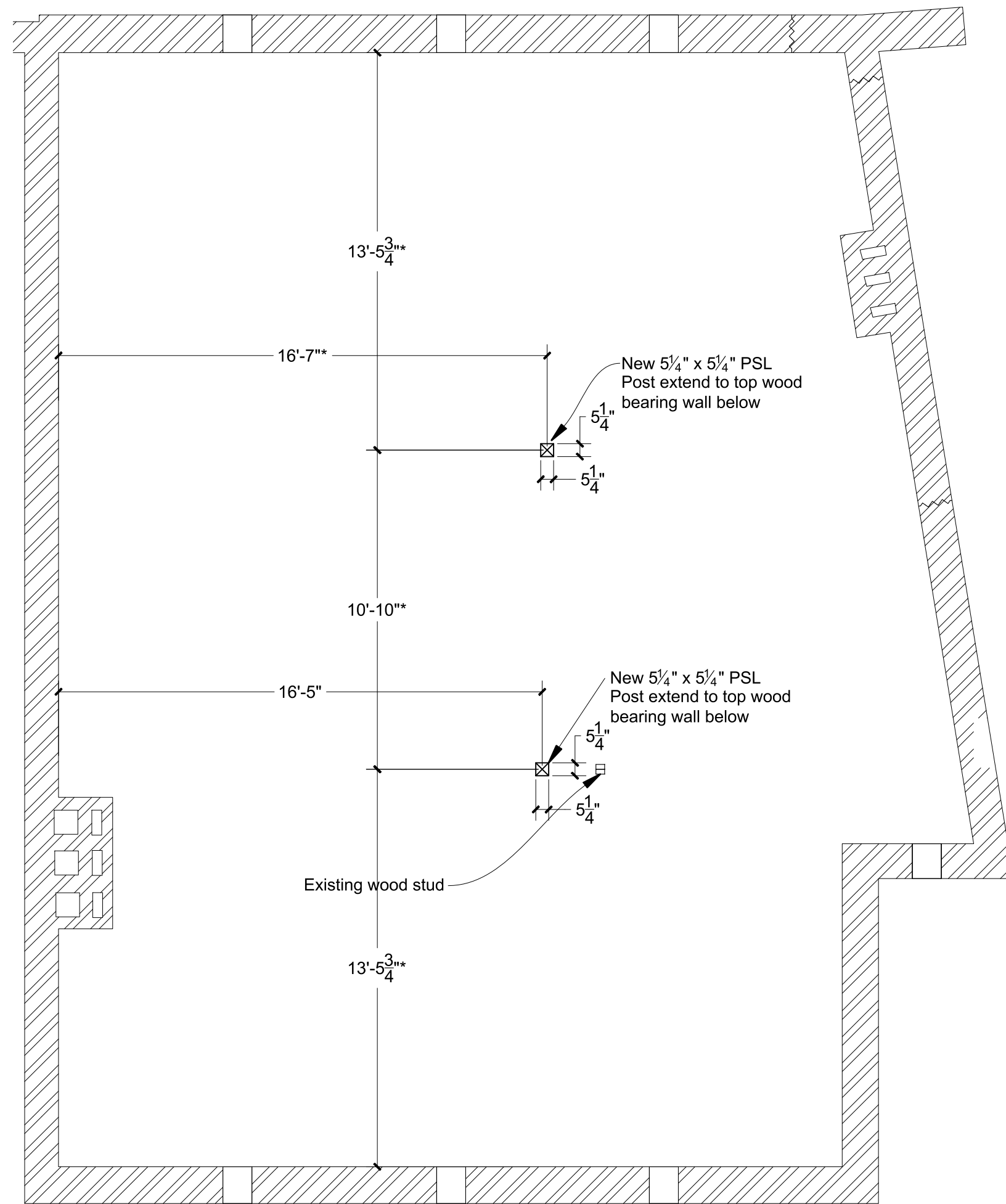
DATE: 28/07/20

SHEET NAME:
3rd floor framing
plan and attic floor
framing plan

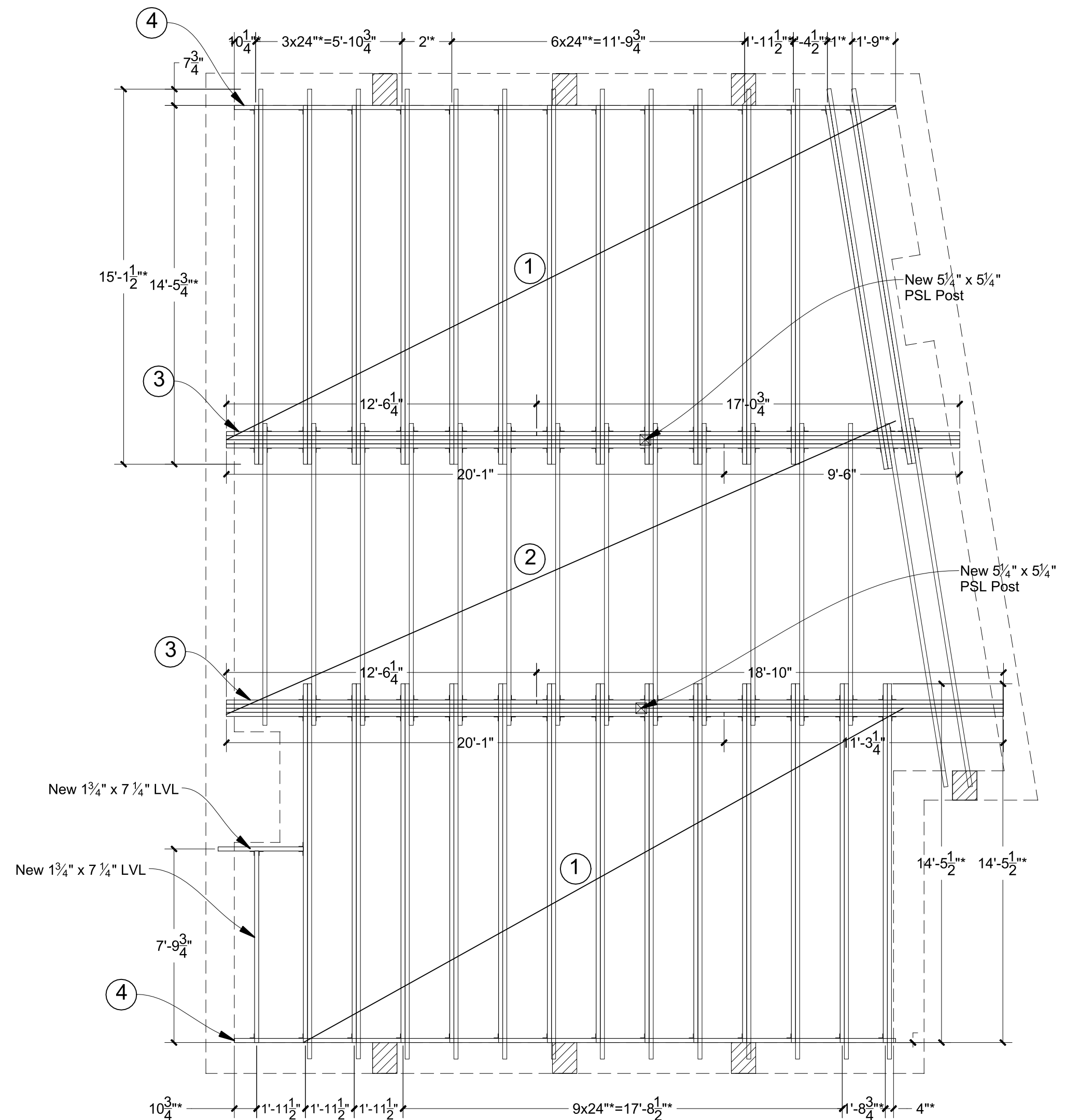
SHEET #:

S-04.1

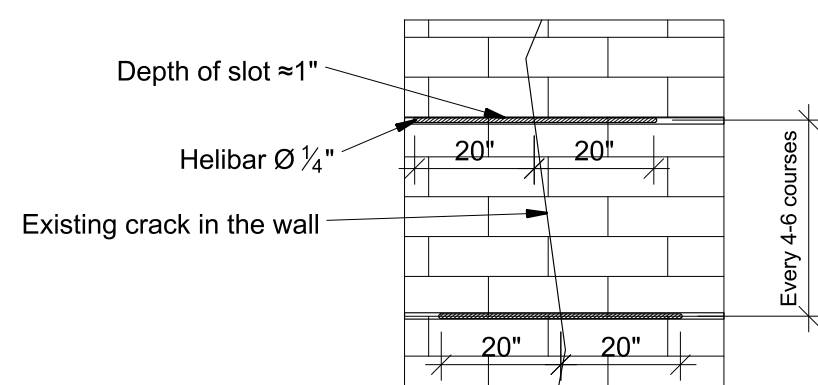
Attic plan
1"=4'



Roof framing plan
1"=4'



Crack repairing method for existing masonry walls using HELIFIX CRACK REPAIRMENT SYSTEM



Crack repairment procedure:

1. Rake out or cut slots into the horizontal mortar beds, a minimum of 20" either side of the crack.
2. Clean out slots and flush with clean water and thoroughly soak the substrate within the slot.
3. Using the Helifix Pointing gun Kit, inject a bead of HeliBond along the back of the slot.
4. Using the brick jointer, or similar, push one HeliBar into the grout to obtain good coverage.
5. Insert a further bead of HeliBond over the exposed HeliBar, finishing 1/2" from the face, and 'iron' into the slot using the brick jointer.
6. Re-point the mortar bed and make good the vertical crack with CrackBond TE3.

KEY:

	Existing load bearing solid clay brick wall with cracks; Use HELIFIX CRACK REPAIR SYSTEM for repairs	①	New 1 3/4" x 7 1/4" LVL sisters @ each Rafter
	Existing load bearing solid clay brick wall; Brick size ≈ 8"x4"x2 1/4"	②	Existing rafters to remain
	Thickness for exterior walls ≈ 12 1/2"	③	2x New 1 3/4" x 14" LVL Sister beam @ each side of ex. wood beam; Connected with each other with 3 rows 16(d) nails @ 12" O.C. from each side; Bear new beams in 4" into existing masonry wall (Moisture proofing: Tar paper in two layers)
	Thickness for interior walls ≈ 10"	④	New (PT) 2" x 10" Ledger connected to existing masonry wall with 1/2" Ø Hilti Hy 10 Epoxy bolts @ 16" O.C. staggered with 4" embedment
	New wood elements, see plans for dimensions		
	Existing wood elements		
	Load bearing masonry wall in roof framing plan		
	Aisle in load bearing wall under framing		
	Joist hanger locations. All members including LVLs and regular Lumber beams and Joists must be provided with matching hangers. Hangers must be connected as specified in manufacturers design manual.		

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

LATVIAN EMBASSY
2304 MASSACHUSETTS
AVE, NW, 20008
WASHINGTON, D.C.,
20008

REVISIONS:

△	
△	
△	
△	
△	

DATE: 28/07/20

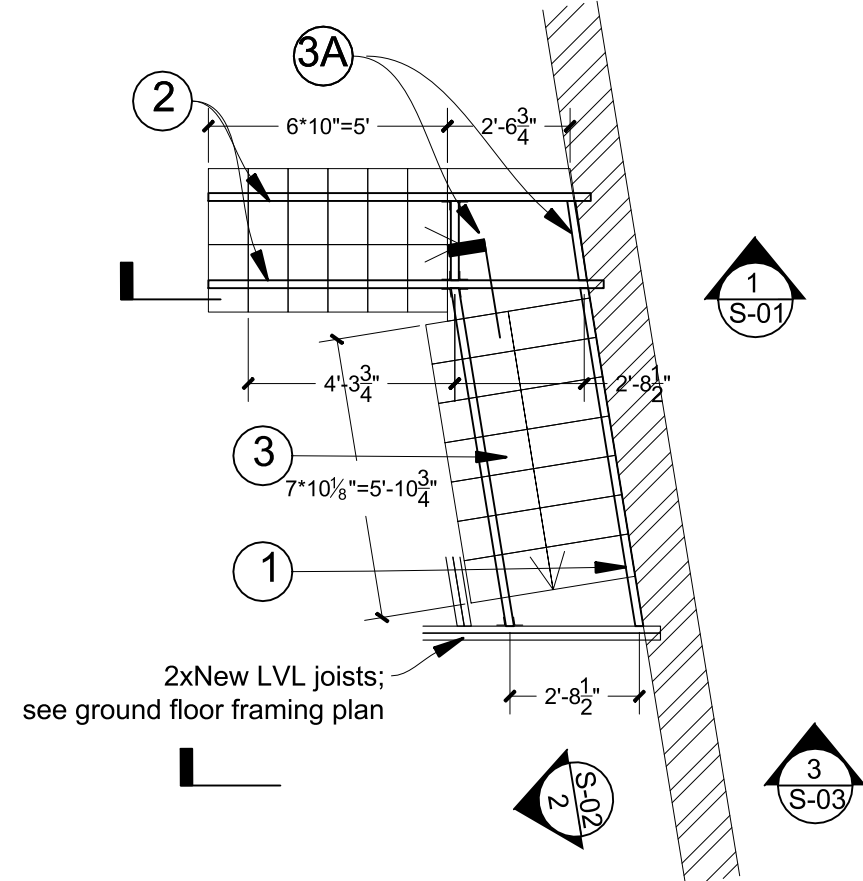
SHEET NAME:
Attic plan and
Roof framing plan

SHEET #:

S-05

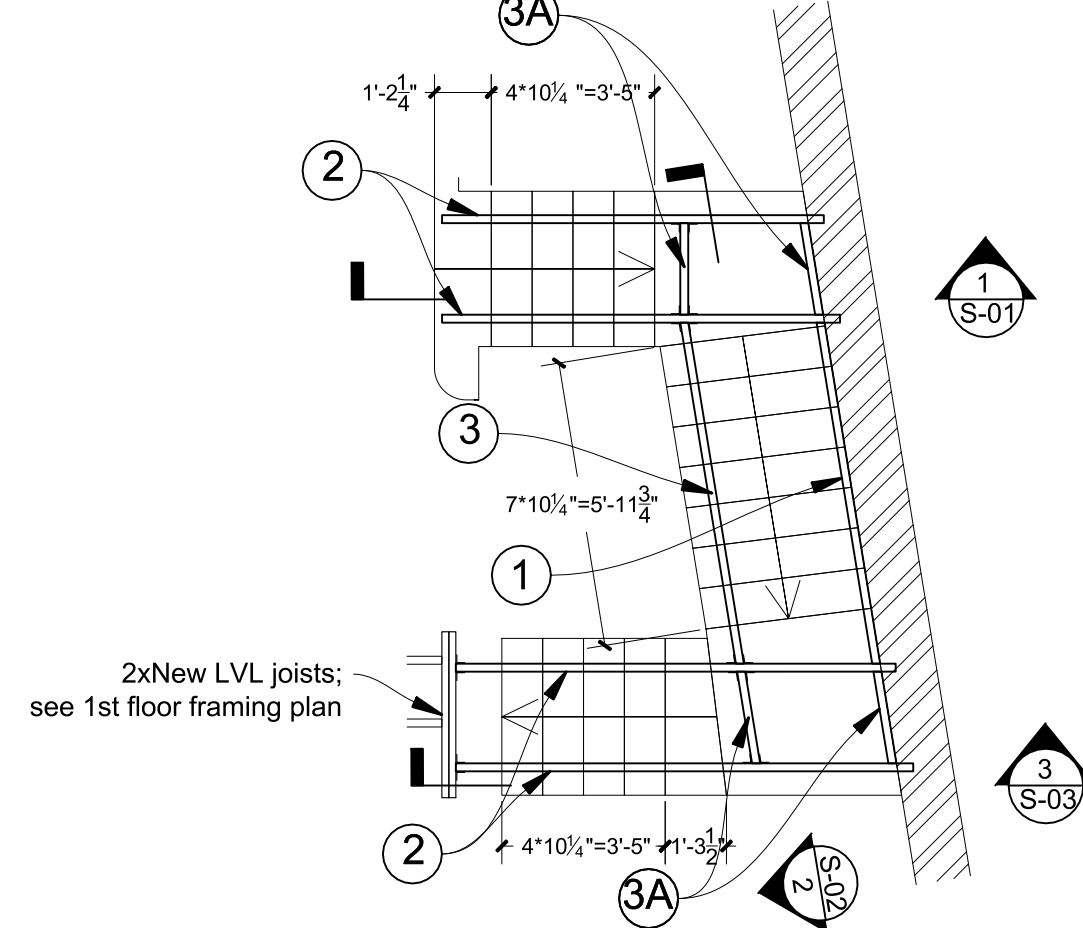
Basement stair plan

1"=4'



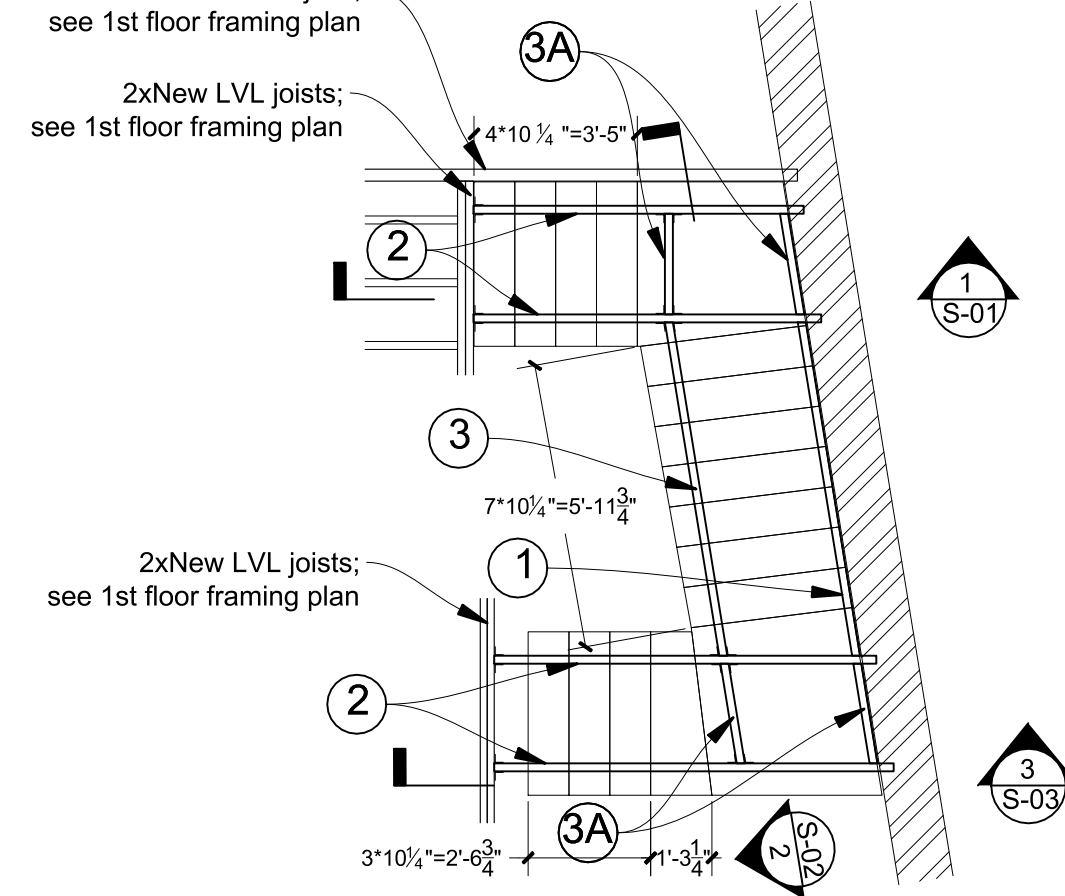
1st floor stair plan

1"=4'



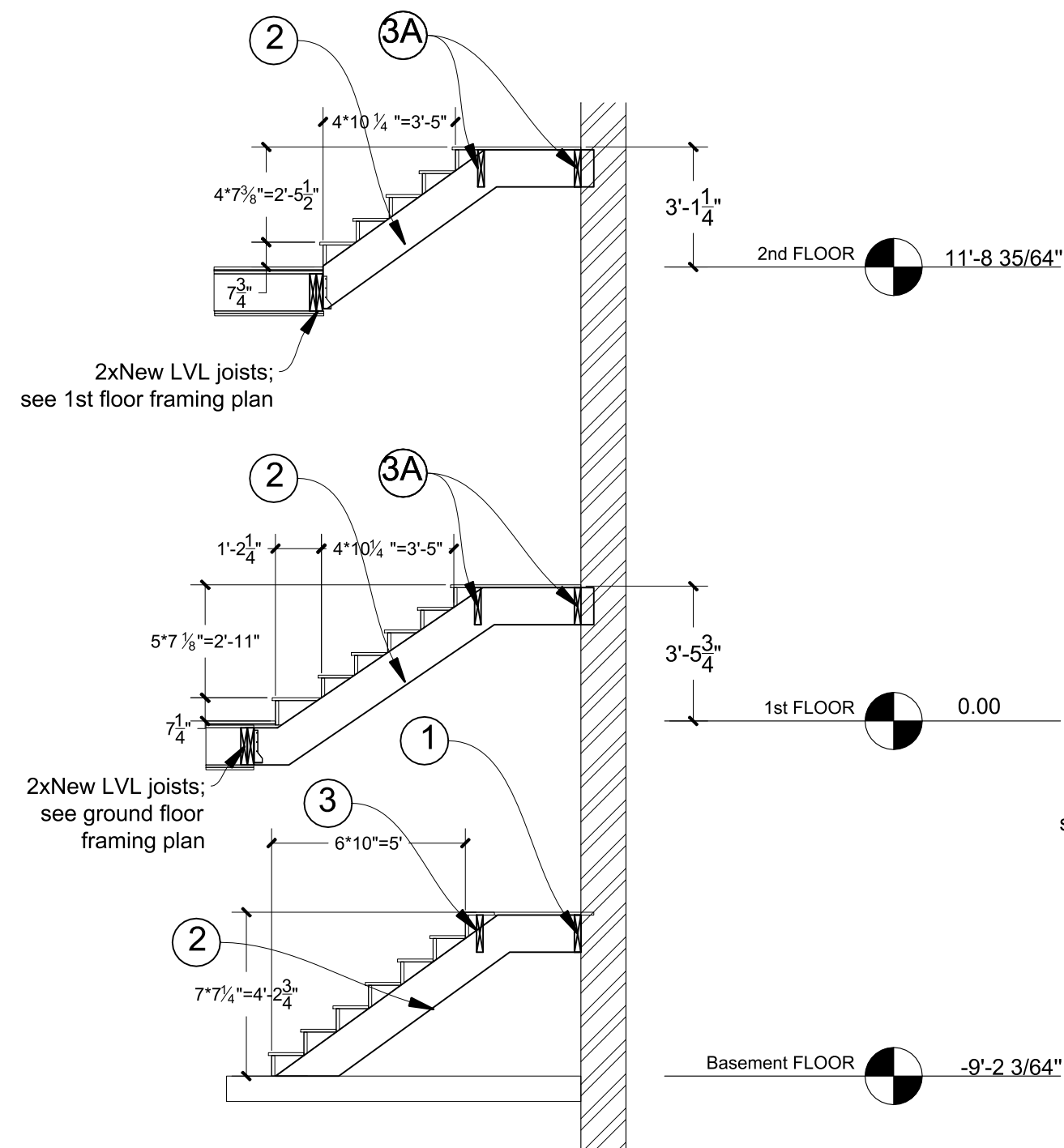
2nd floor stair plan

1"=4'



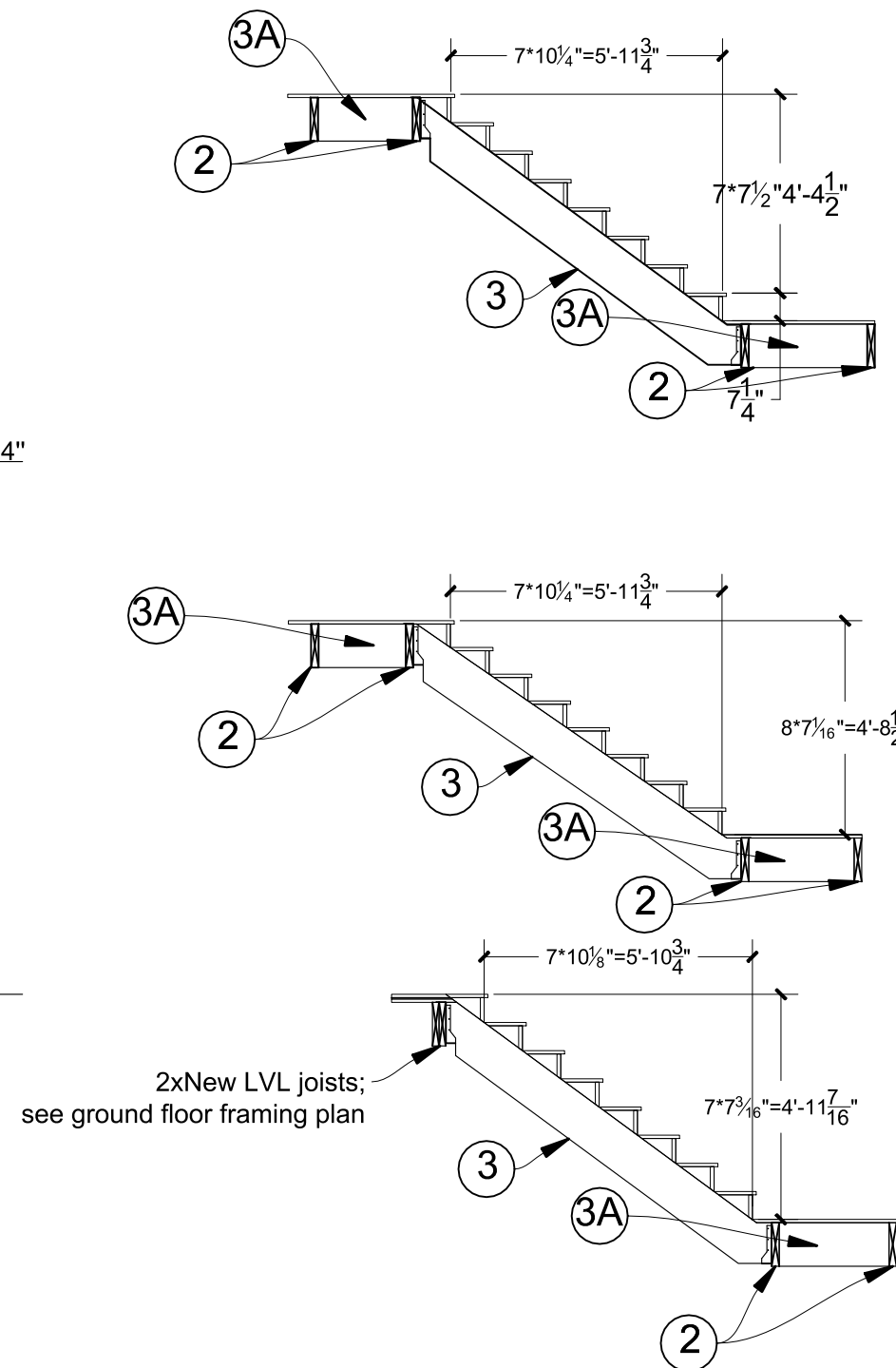
Section S-01 for stairs

1"=4'



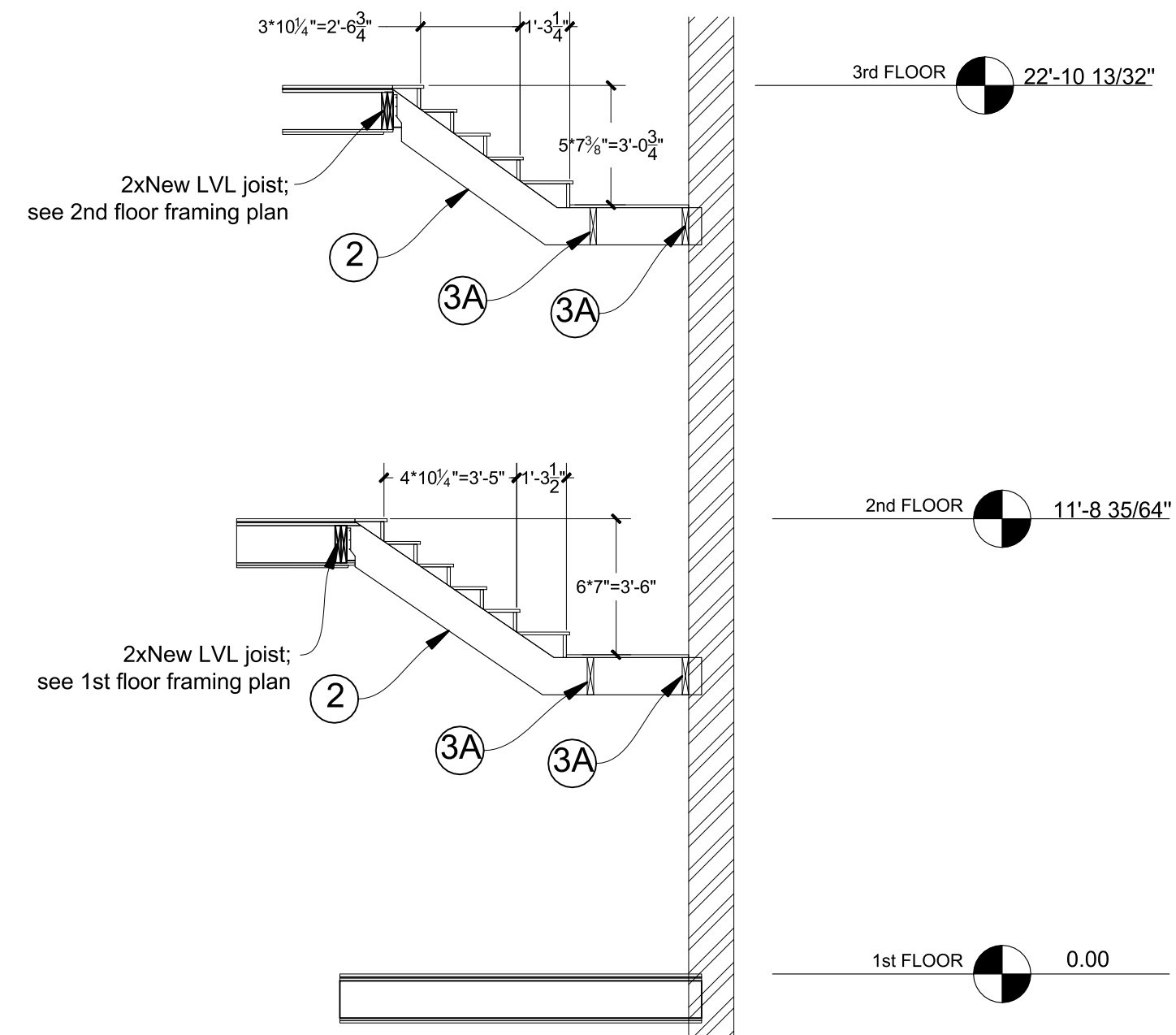
Section S-02 for stairs

1"=4'



Section S-03 for stairs

1"=4'



KEY:

- 1 2" x 12" (PT) connected to masonry wall with 1/2" Ø Hilti Hy 270 Bolts with 4" embedment; @ 16" O.C. staggered
- 2 LVL 1 3/4" x 11 1/4" Bent beam; Frame 4" into existing wall; Moisture proofing as required
- 3 LVL 1 3/4" x 11 1/4" Cut beam
- 3A LVL 1 3/4" x 11 1/4" Uncut beam
- Existing load bearing brick wall;
- New wood elements, see plans for dimensions
- Joist hanger locations, see page S-02 for detailing

..logos\131008_pdf stamp - white.jpg

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995

LATVIAN EMBASSY
2304 MASSACHUSETTS
AVE, NW, D.C.,
WASHINGTON, D.C.,
20008

REVISIONS:

△	
△	
△	
△	
△	

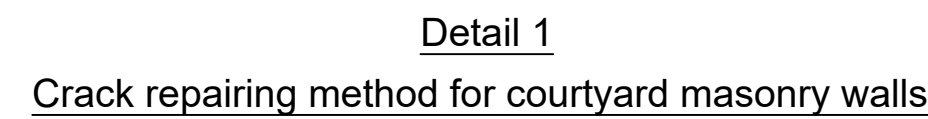
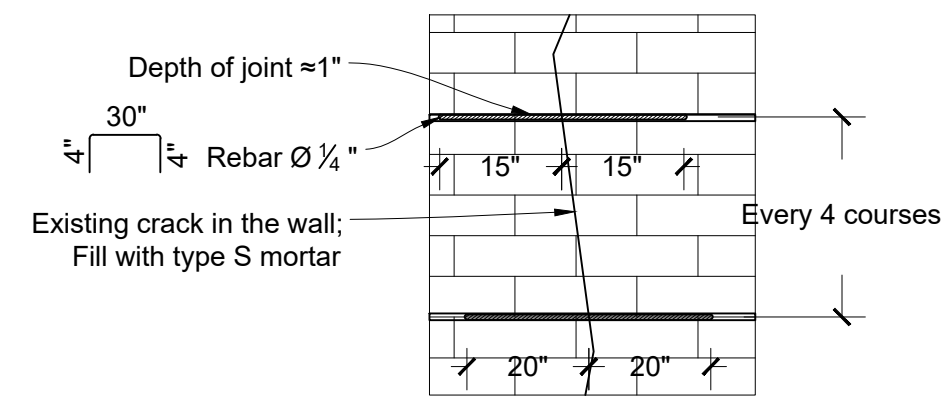
DATE: 28/07/20

SHEET NAME:
Internal stair
detailing

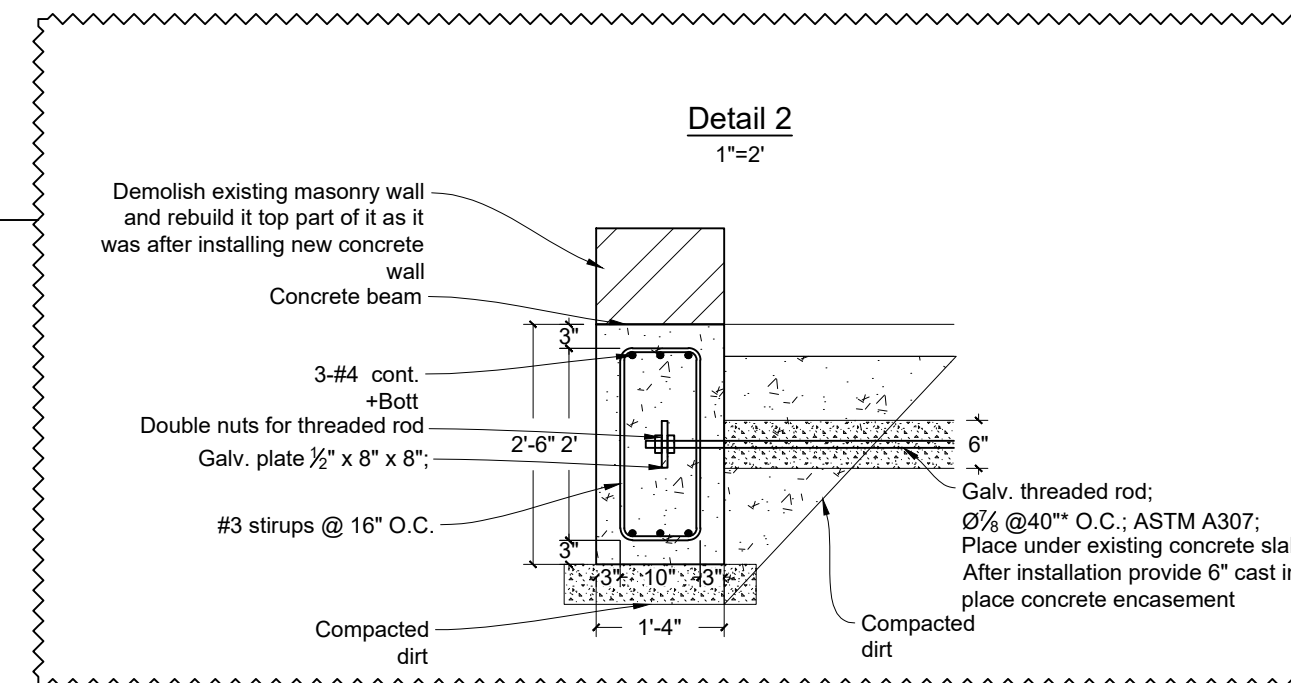
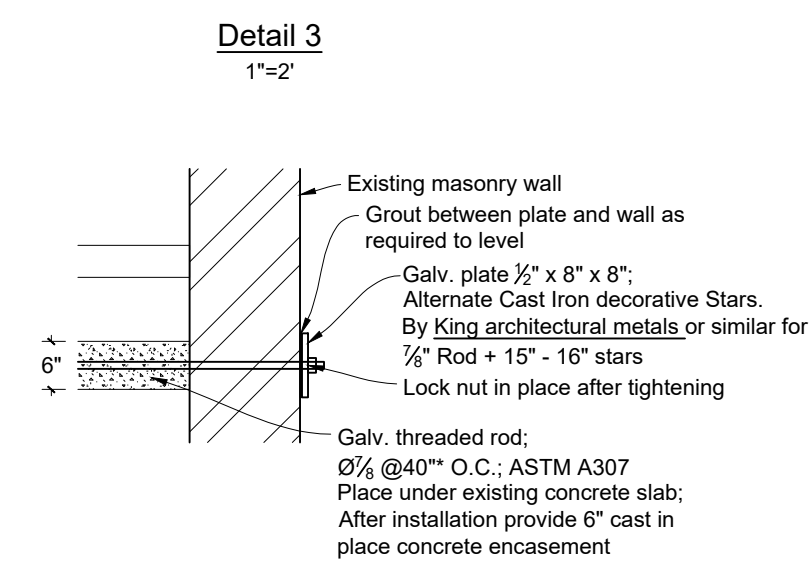
SHEET #:

S-06

REVISIONS:	
▲	02/16/21
▲	
▲	
▲	
▲	
▲	
DATE: 28/07/20	
SHEET NAME:	
Site structure detailing	
SHEET #:	
S-07	



1. Rake out or cut joints into the horizontal mortar joints, a minimum of 15" either side of the crack.
2. Clean out slots and flush with clean water and thoroughly soak the substrate within the slot.
3. Inject non-shrink grout along the back of the slot.
4. Push rebar into the grout to provide good coverage.
5. Using type S mortar grout fill the existing crack in the wall.



MEP

LATVIAN EMBASSY

2304 MASSACHUSETTS AVE NW, WASHINGTON, D.C., 20008

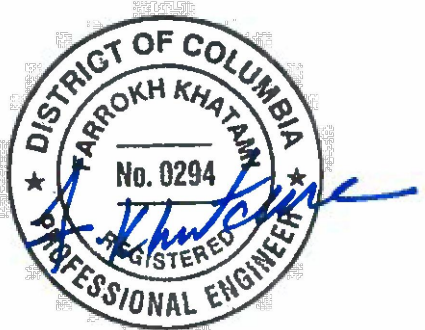
Atelier MjK

ATELIER MJK

1875 CONNECTICUT AVENUE,

WASHINGTON, D.C., 2009

(202)-643-3995



LATVIAN EMBASSY

2304 MASSACHUSETTS AVE, NW,

20008

REVISIONS:

△	Comments 07/29/20
△	
△	
△	
△	
△	

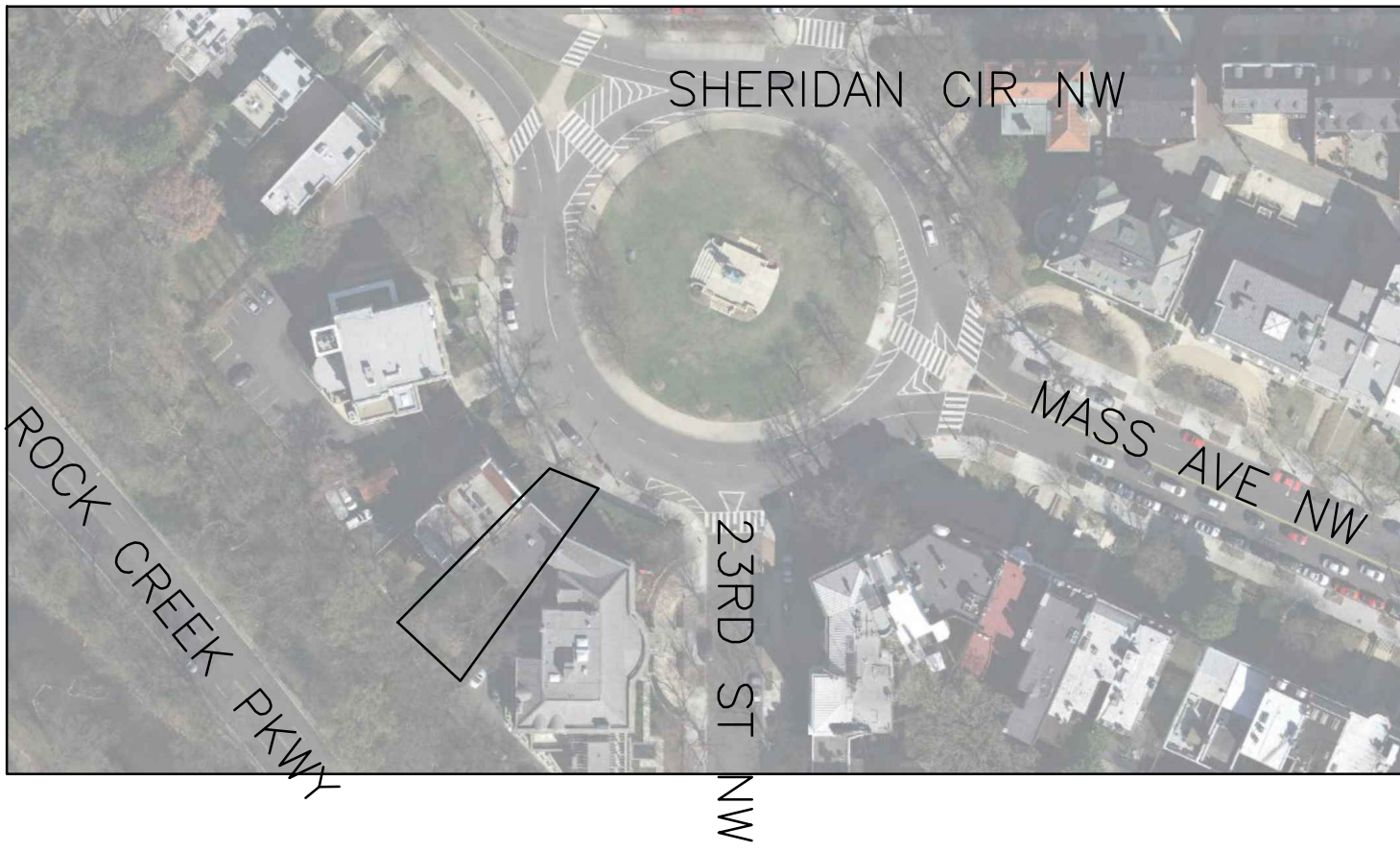
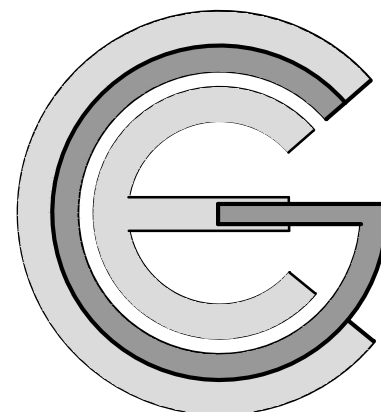
DATE: Permit 06/19/20

SHEET NAME:

COVER SHEET

SHEET #:

001

DRAWING INDEX	NARRATIVE	ABBREVIATIONS	KEY
<div><div><div>001 – COVER SHEET</div><div>002 – GENERAL NOTES</div><div>003 – BUILDING PLAN</div><div>D-001 – DEMO PLAN</div><div>D-002 – DEMO PLAN</div><div>A-101 – EXISTING FLOOR PLANS</div><div>A-102 – EXISTING FLOOR PLANS</div><div>A-103 – EXISTING FLOOR PLANS</div><div>A-104 – PROPOSED FLOOR PLANS</div><div>A-105 – PROPOSED FLOOR PLANS</div><div>A-106 – PROPOSED FLOOR PLANS</div><div>A-154 – PROPOSED RCP</div><div>A-155 – PROPOSED RCP</div><div>A-156 – PROPOSED RCP</div><div>A-201 – EXISTING EXTERIOR ELEVATIONS</div><div>A-202 – PROPOSED EXTERIOR ELEVATIONS</div><div>A-301 – PROPOSED SECTIONS</div><div>A-302 – PROPOSED SECTIONS</div><div>A-501 – DETAILS</div><div>A-502 – DOOR AND WINDOW SCHEDULE</div><div>A-503 – STAIR DETAILS</div><div>A-504 – ATTIC HATCH STAIR DETAILS</div><div>A-505 – DUMBWAITER DETAILS</div><div>A-601 – FINISH FLOOR PLANS AND SCHEDULES</div></div><div><div>M001 – MECHANICAL NOTES AND SYMBOLS</div><div>M002 – MECHANICAL BASEMENT FLOOR PLANS</div><div>M003 – MECHANICAL FIRST FLOOR PLANS</div><div>M004 – MECHANICAL SECOND FLOOR PLANS</div><div>M005 – MECHANICAL THIRD FLOOR PLANS</div><div>M006 – MECHANICAL ATTIC & ROOF PLANS</div><div>M007 – MECHANICAL SCHEDULES</div><div>M008 – MECHANICAL DETAILS</div><div>M009 – MECHANICAL DETAILS</div><div>M010 – MECHANICAL VRF DIAGRAM</div><div>P001 – PLUMBING COVER SHEET</div><div>P002 – PLUMBING FLOOR PLANS</div><div>P003 – PLUMBING FLOOR PLANS</div><div>P004 – PLUMBING FLOOR PLANS</div><div>P005 – PLUMBING DIAGRAMS</div><div>E001 – ELECTRICAL COVER SHEET</div><div>E002 – ELECTRICAL FLOOR PLANS – LIGHTING</div><div>E003 – ELECTRICAL FLOOR PLANS – LIGHTING</div><div>E004 – ELECTRICAL FLOOR PLANS – POWER</div><div>E005 – ELECTRICAL FLOOR PLANS – POWER</div><div>E006 – ELECTRICAL FLOOR PLANS</div><div>E007 – RISER DIAGRAM NOTES AND SCHEDULES</div><div>EVS001 – ENERGY VERIFICATION SHEET</div></div></div>	<div><div>THIS PROJECT IS TO RENOVATE THE INTERIOR IN AN EXISTING SINGLE-FAMILY HOME. THE WINDOWS AND INTERIOR STAIRS ARE TO BE REPLACED AS NOTED. WE PROPOSING THE ADDITION OF A DUMBWAITER, FOUR NEW BEDROOMS AND ONE NEW BATHROOM. THE TWO KITCHENS ARE TO REMAIN.</div><div>SITE</div><div><div>SHERIDAN CIR NW</div><div>ROCK CREEK PKWY</div><div>MASS AVE NW</div><div>23RD ST NW</div><div>SQUARE: 2507 LOT: 0003 ZONING: R-3</div></div></div>	<div><div>AFF – ABOVE FINISH FLOOR</div><div>A.U.F. – ABOVE UNFINISHED FLOOR</div><div>ADA – AMERICAN DISABILITY ACT</div><div>ALT – ALTERNATE</div><div>APPROX. – APPROXIMATELY</div><div>DWG S – DRAWINGS</div><div>EQ – EQUAL</div><div>EXT. – EXTERIOR</div><div>EXIST. – EXISTING</div><div>FF – FINISH FLOOR</div><div>HR – HOUR</div><div>HT – HEIGHT</div><div>LV – LEVEL</div><div>MNFRS– MANUFACTURE’S</div><div>MIN – MINIMUM</div><div>NOM – NOMINAL</div><div>SHR – SHOWER</div><div>SPEC – SPECIFICATION</div><div>TYP – TYPICAL</div><div>W/ – WITH</div><div>W/D – WASHER AND DRYER</div><div>W/O – WITHOUT</div></div>	
APPLICABLE CODES & STANDARDS		PROJECT CONSULTANTS	
<div><div><div><div><div>• 2012 NFPA 101 LIFE SAFETY CODE</div><div>• 2010 NFPA 72</div><div>• 2010 NFPA 13</div><div>• TITLE 12 DCMR, DC CONSTRUCTION CODES SUPPLEMENT (2013)</div><div>• DCMR 12 DC CONSTRUCTION CODES SUPPLEMENT (2008)</div><div>• AMENDMENT TO DCMR 12 DC CONSTRUCTION CODE SUPPLEMENT 2008</div><div>• 2013 DISTRICT OF COLUMBIA BUILDING CODE</div><div>• 2013 DISTRICT OF COLUMBIA GREEN CONSTRUCTION CODE</div><div>• 2013 DISTRICT OF COLUMBIA ENERGY CONSERVATION CODE</div><div>• 2013 DISTRICT OF COLUMBIA FIRE CODE</div><div>• 2013 DISTRICT OF COLUMBIA MECHANICAL CODE</div><div>• 2013 DISTRICT OF COLUMBIA PLUMBING</div><div>• 2011 NATIONAL ELECTRICAL CODE</div><div>• 2012 ICC CODES:</div><div>• 2012 ICC BUILDING CODE</div><div>• 2012 ICC MECHANICAL CODE</div><div>• 2012 ICC PLUMBING CODE</div><div>• 2012 ICC FIRE CODE</div><div>• 2012 ICC ENERGY CONSERVATION CODE</div><div>• 2012 ICC GREEN CONSTRUCTION CODE</div><div>• 2010 AMERICANS WITH DISABILITIES ACT</div><div>• DCMR TITLE 11 – ZONING REGULATIONS</div></div></div></div></div>	<div><div>BUILDING USE/OCCUPANCY: R-3 (RESIDENTIAL)</div><div>BUILDING NUMBER OF STORIES ABOVE GRADE: 3</div><div>HT OF BUILDING: ~41’-2” AT FRONT</div><div>~36’-1” AT REAR</div></div>	<div><div>MECHANICAL ENGINEERS</div><div></div><div>Capitol Engineering Group</div><div>1825 K Street NW, Suite 375 Washington DC, 20006 (202)216-0039 www.CEGDC.com</div><div>Project No. 20021</div></div>	

GENERAL AND MECHANICAL NOTES

GENERAL:

- G1. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO EXAMINE THE NEW AND EXISTING ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS AND SPECIFICATIONS, AND SHALL VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WORK AND SHALL NOTIFY ARCHITECT AND/OR ENGINEER IF A CONDITION EXISTS WHICH PREVENTS THE CONTRACTOR FROM ACCOMPLISHING THE INTENT OF THE DRAWINGS.
- G2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL WORK AND MATERIALS TO ACCOMPLISH THE INTENT OF THE PLANS. PLANS INDICATE THE EXTENT, GENERAL CHARACTER AND LOCATION OF WORK DIAGRAMMATICALLY ONLY. WORK INDICATED BY HAVING MINOR DETAILS NOT SHOWN, SHALL BE FURNISHED COMPLETE, BY THIS CONTRACTOR, TO PERFORM THE FUNCTION INTENDED.
- G3. ALL WORK AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH ALL CODES HAVING JURISDICTION AND TO BE STRICTLY OBSERVED.
- G4. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER AND/OR HIS DULY AUTHORIZED REPRESENTATIVE.
- G5. CONTRACTOR SHALL NOT CORE DRILL CONCRETE SLABS FOR ANY SLEEVES, INSERTS OR FOR ANY REASON WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE STRUCTURAL ENGINEER AND THE OWNER.
- G6. ALL WORK AND EQUIPMENT SHALL BE THOROUGHLY CLEANED AND THE CONTRACTOR SHALL PROVIDE A NEW SET OF FILTERS IN ALL HVAC EQUIPMENT AT THE TIME OF SUBSTANTIAL COMPLETION PLUS ONE ADDITIONAL SET FOR ALL HVAC EQUIPMENTS. TO BE READY FOR THE USE OF THE OWNER BEFORE FINAL INSPECTION AND APPROVAL BY THE ARCHITECT AND/OR HIS REPRESENTATIVE.
- G7. THE CONTRACTOR SHALL LAY OUT HIS WORK WITH THAT OF ALL OTHER TRADES AND BE RESPONSIBLE FOR ALL MEASUREMENTS, HE SHALL NOTIFY ARCHITECT AND/OR ENGINEER IF A CONDITION EXISTS WHICH PREVENTS WORK TO BE INSTALLED IN ACCORDANCE WITH THE INTENT OF THESE DRAWINGS.
- G8. CONTRACTOR SHALL BE RESPONSIBLE FOR AND PAY FOR ANY DAMAGES CAUSED BY OR RESULTING FROM DEFECTS IN HIS WORK.
- G9. THE CONTRACTOR SHALL GUARANTEE AND SERVICE ALL WORKMANSHIP AND MATERIALS TO BE AS REPRESENTED BY HIM AND SHALL REPAIR OR REPLACE, AT NO ADDITIONAL COST TO THE OWNER, ANY PART THEREOF WHICH MAY BECOME DEFECTIVE WITHIN THE PERIOD OF ONE (1) YEAR AFTER THE DATE OF FINAL ACCEPTANCE BY THE ARCHITECT, ORDINARY WEAR AND TEAR EXCEPTED.
- G10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSURE THAT ALL SYSTEMS AND EQUIPMENT SUPPLIED SHALL BE COMPATIBLE WITH THE EXISTING BASE BUILDING SYSTEMS AND EQUIPMENT.
- G11. IN AREAS WHERE IT IS NECESSARY TO CUT FLOORS, WALLS AND CEILINGS, THIS CONTRACTOR SHALL DO ALL CUTTING AND REPLACEMENT. BEFORE ANY CUTTING OR PATCHING, CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE OWNER.
- G12. ALL FIXTURES AND EQUIPMENT SHALL BE CONNECTED AND MADE READY FOR USE UNLESS OTHERWISE NOTED.
- G13. PROVIDE FLUSH MOUNTED SUITABLE BACKBOX AT 48" AFF. TO CENTERLINE OF EACH THERMOSTAT.

MECHANICAL NOTES:

- M1. CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND LOCATIONS OF EQUIPMENT AND PRIOR TO ANY DUCTWORK FABRICATION, CONTRACTOR SHALL SUBMIT FOR APPROVAL, SHOP DRAWINGS ON ALL NEW WORK AND EQUIPMENT PRIOR TO FABRICATION AND INSTALLATION.
- M2. PROPER MOUNTINGS FOR ALL EQUIPMENT SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SHALL BE INSTALLED BY THIS CONTRACTOR. PROVIDE APPROVED TYPE VIBRATION DAMPENING MEDIA WHEREVER CALLED FOR BY THE MANUFACTURER BETWEEN EQUIPMENT AND THE FLOOR OR CEILING. ISOLATORS SHALL BE KORFUND OR APPROVED EQUAL.
- M3. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO INSTALL THE HEATING, VENTILATION AND AIR CONDITIONING SYSTEM SO AS TO INSURE QUIET OPERATION. NO VIBRATION OR SOUND SHALL BE TRANSMITTED TO THE BUILDING STRUCTURE OR OCCUPIED AREAS. THE DECISION OF THE ENGINEER AS TO QUIETNESS OF THE SYSTEM AND EQUIPMENT SHALL BE FINAL. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO CORRECT OR REPLACE ANY NOISY SYSTEMS OR EQUIPMENT AS REQUIRED.
- M4. PHYSICAL DIMENSIONS AS WELL AS COOLING, HEATING CAPACITIES AND ELECTRICAL CHARACTERISTICS OF SUBMITTED UNITS SHALL MATCH THAT OF SPECIFIED EQUIPMENT. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL COSTS DUE TO CHANGES RELATED TO SUBSTITUTED EQUIPMENT.
- M5. COORDINATE WITH ELECTRICAL CONTRACTOR TO INSURE N.E.C. REQUIRED CLEARANCES FROM DUCTWORK, PIPING, ETC ARE MAINTAINED AROUND ELECTRICAL EQUIPMENT (PANEL BOARDS, SWITCHBOARDS, DISCONNECTS, ETC.)
- M6. CONTRACTOR SHALL REFER TO THE ELECTRICAL DRAWINGS FOR THE PROPER ELECTRICAL CHARACTERISTICS FOR ALL MOTORS, HEATERS, AND ALL OTHER ELECTRICAL DEVICES FURNISHED BY THE CONTRACTOR. IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL REQUIRED ELECTRICAL CONNECTIONS AND CIRCUITS, ETC. REQUIRED FOR MECHANICAL EQUIPMENT, HEATERS, CONTROLS, ETC.
- M7. REPAIR OR REPLACE ALL EXISTING DUCTWORK, AND EQUIPMENT THAT IS NOT IN PERFECT WORKING CONDITION. NEW AND REPLACED ITEMS SHALL BE OF THE SAME QUALITY OR BETTER AS EXISTING.
- M8. ALL VOIDS LEFT BY REMOVING EQUIPMENT PIPING, DUCTS, AND LOUVERS SHALL BE FILLED WITH THE SAME MATERIALS AS THE WALLS AND FLOORS.
- M9. CONTRACTOR SHALL SUPPLY AND INSTALL ALL NECESSARY DUCT ACCESSORIES; SUCH AS VOLUME DAMPERS, FIRE DAMPERS, TURNING VANES, DUCT HARDWARE, DUCT ACCESS DOORS, FLEXIBLE CONNECTIONS, AND CEILING ACCESS DOORS. THE DUCTWORK SHALL COMPLY WITH SMACNA DUCT CONSTRUCTION STANDARDS. COORDINATE INSTALLATION OF DUCT ACCESSORIES WITH OTHER WORK.
- M10. SEAL AIRTIGHT ALL OPENINGS IN EXISTING DUCTWORK WHERE DIFFUSERS, REGISTERS AND BRANCH DUCTS ARE REMOVED BUT OPENING ARE NOT RE-USED.
- M12. RECTANGULAR DUCTWORK: ALL DUCTWORK SHALL CONFORM TO THE RECOMMENDED CONSTRUCTION FOR LOW PRESSURE, 2" W.G. (500 Pa) DUCTWORK AS APPROVED BY THE SHEETMETAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION. SEAL CLASS "C" FOR ALL LOW PRESSURE DUCTWORK; THE GAUGE OF THE SHEET STEEL AND DUCT SUPPORTS SHALL CONFORM TO SMACNA STANDARDS

- M13. FLEXIBLE DUCT: SHALL BE SUPPLIED AND INSTALLED FOR CONNECTIONS BETWEEN LOW PRESSURE MAIN AIR SUPPLY DUCTS AND CEILING DIFFUSERS AND LINEAR DIFFUSERS. FLEXIBLE DUCT TO BE SMOOTH INTERIOR WITH NO SPIRAL SEAM FOR LOW PRESSURE DROP. DUCT SHALL MEET NFPA 90A AND 90B AND UL-181 CLASS 1 AIR DUCT AND SHALL WITHSTAND TEMPERATURES OF 0 DEGREES F TO 250 DEGREES F AND PRESSURE OF 6" WG. WITHOUT LEAKAGE. DUCT SHALL BE GENFLEX WITH 1" INSULATION AND VAPOR BARRIER TYPE IMPR OR APPROVED EQUAL.
- M14. FLEXIBLE DUCT: PROVIDE INSULATED U.L. LISTED CLASS 1 DUCT COMPLYING WITH NFPA 90A, FLEX MASTER, THERMAFLEX, WIRE MOLD OR CLEVAFLEX.
- M15. PROVIDE CLASS 1A MOTORIZED DAMPERS WITH A MAXIMUM LEAKAGE RATE OF 4 CFM/SQ.FT. @ 1.0" W.G. AT OUTDOOR AIR AND EXHAUST OPENINGS.
- M16. USE SPIN-IN FITTING WITH LOCKING QUADRANT BALANCING DAMPERS AT SUPPLY DUCT.
- M17. PROVIDE MINIMUM 12 X 12 ACCESS DOORS IN DUCTWORK AND THROUGH ARCHITECTURAL FINISHES FOR FIRE DAMPERS IN CONCEALED DUCTWORK.
- M18. LOW PRESSURE DUCTWORK SHALL NOT HAVE STANDING SEAMS ON TOP OR BOTTOM AND IS TO BE HELD TIGHT TO SLAB ABOVE.
- M19. OBTAIN ALL PERMITS AND UPON COMPLETION OF WORK TO PRESENT THE OWNER WITH A CERTIFICATE OF FINAL INSPECTION FROM LOCAL AUTHORITY.
- M20. REPAIR EXISTING INSULATION ON EXISTING DUCTWORK, PIPING (TO REMAIN) AS REQUIRED.
- M21. PROVIDE TRANSITION FITTING AS REQUIRED FOR DUCT CONNECTION TO SLOT DIFFUSER AND A/C EQUIPMENT INLETS AND OUTLETS.
- M22. CONTRACTOR SHALL BE RESPONSIBLE FOR INTERFACING THE EXISTING TEMPERATURE CONTROLS WITH THE NEW ATC WORK.
- M23. FLOOR REGISTER SHALL BE WOOD FLOOR FRESTWORKS, FLUSH MOUNT WHITE WOOD FLOOR WITH DAMPER
- M24. PROVIDE AUTOMATIC TEMPERATURE CONTROL SYSTEMS TO AFFECT COMPLETE, OPERATING SYSTEMS PER OPERATING SEQUENCES INDICATED.
- M25. SUPPLY AIR REGISTER SHALL BE HART & COOLEY TWO WAY DEFLECTION ALL STEEL CONSTRUCTION MODEL 661
- M26. DEMONSTRATE SYSTEM OPERATION TO OWNER.
- M27. RETURN AIR FILTER BACK GRILLE SHALL BE HART & COOLEY MODEL 673
- M28. HEATING AND COOLING EQUIPMENT IS SIZED PER ACCA MANUAL S BASED ON BUILDING LOADS CALCULATED IN ACCORDANCE WITH MANUAL J HEATING AND COOLING LOADS.
- M29. DUCT LINING SHALL BE 1" THICK SEMI-RIGID, COATED, GLASS FIBER BONDED BOARD, 3 LB. DENSITY. WHERE DUCTWORK ACOUSTICALLY LINED, ADDITIONAL INSULATION IS NOT REQUIRED ON THE EXTERIOR SURFACE. CERTAINTEEED UL TRALITE DUCT LINER OR EQUIVALENT.
- M30. DUCT INSULATION - COVER CONCEALED, RIGID DUCTWORK WITH 2" THICK, 3/4 POUND DENSITY, MINIMUM R-6.0 DUCT WRAP, BASIS OF DESIGN: CERTAINTEEED, KNAUF, OWENS-CORNING OR EQUAL. WITH HEAVY-DUTY FOIL-SCRIM-KRAFT FACING AND WITH JOINTS TAPED WITH 3" WIDE FOIL TAPE AS FOLLOWS: MIN 2 1/2" THICK (R-8) FOR DUCTWORK LOCATED IN ATTIC.
- A. ROUND AND RECTANGULAR SUPPLY AND RETURN AIR DUCTWORK.
- B. ROUND AND RECTANGULAR OUTSIDE AIR DUCTWORK.
- C. ROUND AND RECTANGULAR EXHAUST AND RELIEF AIR DUCTWORK WITHIN 10 FEET OF EXTERIOR DISCHARGE.
- M31. INSULATING MATERIALS, ADHESIVES, COATINGS, ETC., SHALL NOT EXCEED FLAME SPREAD RATING OF 25 AND SMOKE DEVELOPED RATING OF 50 PER ASTM E 84. CONTAINERS FOR MASTICS AND ADHESIVES SHALL HAVE U.L. LABEL.
- M32. EXTERIOR DUCT INSULATION - FOR SEAMS SEALED WITH SEALANT, PROVIDE 2.5" THICK, 3 POUND DENSITY LINER, MINIMUM R-8.0. FOR WELDED DUCTWORK, INSULATE WITH 2.5" THICK FIBROUS BOARD INSULATION (MINIMUM R-8.0) AND PROVIDE MINIMUM 20 GAUGE ALUMINUM JACKET.
- M33. HVAC EQUIPMENT PERFORMANCE STANDARDS - EQUIPMENT SHALL MEET OR EXCEED THE ENERGY EFFICIENCIES SHOWN IN TABLES IN IECC C403.2.3 AND MEET REQUIREMENTS OF THE NATIONAL APPLIANCE ENERGY CONSERVATION ACT (NAECA).
- M34. ALL DIMENSIONS AND LOCATION OF EXISTING WORK SHALL BE FIELD VERIFIED PRIOR TO STARTING CONSTRUCTION.
- M35. MOUNT THERMOSTATS WHERE INDICATED ON DRAWING AT 48" AFF.
- M36. OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR THE WORK.
- M37. PERFORM THE WORK IN ACCORDANCE WITH ALL APPLICABLE LOCAL & NATIONAL CODES.
- M38. DUCTWORK DIMENSION SHOWN ON DRAWINGS ARE SHEETMETAL DIMENSIONS. NET FREE AREA SHALL BE SHEETMETAL DIMENSIONS LESS THE LINEAR THICKNESS ON LINED DUCTWORK.
- M39. BALANCE DAMPERS: SHALL BE INSTALLED WHERE INDICATED AND/OR REQUIRED FOR PROPER BALANCING OF SYSTEM. PROVIDE CABLE CONTROLLED DAMPER, (YOUNG REGULATOR OR EQUAL) WHERE DAMPERS LOCATED ABOVE GYPSUM CEILING.
- M40. METAL DUCTWORK: FABRICATE ALL DUCTWORK, HOUSINGS, DAMPERS, AND ALL OTHER DUCT RELATED ACCESSORIES, FROM GALVANIZED STEEL SHEETS.
- M41. INSTALL ALL DUCTWORK ABOVE CEILING AND HOLD TIGHT TO UNDERSIDE OF STRUCTURE ABOVE UNLESS OTHERWISE INDICATED.
- M42. CHANGES TO DUCT DUE TO FIELD CONDITIONS SHALL BE MADE ONLY IF THE DUCT SIZE FREE AREA IS MAINTAINED AND SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL.
- M43. FLEXIBLE CONNECTORS:
- A. PROVIDE FLEXIBLE CONNECTORS AT THE INLET AND OUTLET CONNECTION FOR EACH FAN AND AIR HANDLING UNIT.
- B. EACH FLEXIBLE CONNECTOR SHALL ALLOW 1" OF FREE MOVEMENT AND SHALL BE COMPLETELY AIR TIGHT.
- C. PROVIDE NEOPRENE COATED GLASS FABRIC MATERIAL, MINIMUM 30 OZ. PER SQUARE YARD.
- D. CONTRACTOR SHALL BRACE DUCTWORK (AS REQUIRED) AT ALL FLEXIBLE CONNECTORS TO ENSURE THAT DUCTWORK IS KEPT IN ALIGNMENT.
- M44. NOT USED

- M45. DUCT LEAKAGE: LEAKAGE TEST-- PERFORM LEAKAGE TEST IN ACCORDANCE WITH IECC 2012, R403.2.2 SEALING:
- A. ALL DUCTS, AIR HANDLERS, AND FILTER BOXES SHALL BE SEALED. JOINTS AND SEAMS SHALL BE SEALED WITH HARD CAST 601 WITH UL 181 LISTING.
- B. AIR HANDLER SHALL HAVE A MANUFACTURER'S DESIGNATION FOR AN AIR LEAKAGE OF NO MORE THAN 2 PERCENT OF THE DESIGN AIR FLOW RATE.
- C. SUBMIT AT FINAL INSPECTION A DUCT LEAKAGE TEST SHOWING A PASSING RATING OF <= 8 CFM PER 100 SQUARE FEET CONDITIONED FLOOR AREA AT A PRESSURE OF 25 PASCAL. A WRITTEN REPORT OF THE RESULTS OF THE TEST SHALL BE SIGNED BY THE PARTY CONDUCTING THE TEST AND PROVIDED TO THE CODE OFFICIAL UPON REQUEST.
- M46. LEAKAGE TEST LEAKAGE TEST-- PERFORM LEAKAGE TEST IN ACCORDANCE WITH IECC 2012, R402.4.1.2 TESTING
- A. BLOWER DOOR TEST AT 50Pa, LEAKAGE RATE SHALL NOT EXCEED 3 AIR CHANGES PER HOUR (ACH) FOR CLIMATE ZONE 4a (DISTRICT OF COLUMBIA).
- B. PERFORM ALL TESTING AFTER THE SEALS HAVE CURED COMPLETELY AND BEFORE COVERING WITH INSULATION OR CONCEALING IN MASONRY.
- C. LEAKAGE TESTING FOR SYSTEM SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE.
- M47. SCOPE:
- A. AN INDEPENDENT CONTRACTOR WITH NEBB OR AABC CERTIFICATION SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SERVICES AND PERFORM ALL OPERATIONS REQUIRED FOR COMPLETE BALANCING OF THE AIR SYSTEMS AND RELATED WORK AS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN. TAB CONTRACTOR MUST BE PRE-APPROVED BY LANDLORD'S REPRESENTATIVE. CONTRACTOR SHALL REBALANCE ALL AREAS OF IMMEDIATE MECHANICAL WORK AND ADJACENT AREAS AFFECTED.
- B. BALANCING SHALL NOT BE PERFORMED UNTIL ALL MECHANICAL EQUIPMENT IS PROPERLY INSTALLED AND IS 100% OPERATIONAL, ALL TEMPERATURE CONTROLS ARE INSTALLED AND CALIBRATED AND ALL SYSTEMS ARE CLEARED.
- C. IT IS THE INTENT OF THIS SPECIFICATION TO INSURE THAT THE ENTIRE PROJECT IS SUBSTANTIALLY COMPLETE SO THAT ALL COMPONENTS OF ALL MECHANICAL SYSTEMS CAN BE PUT INTO NORMAL OPERATION WITH ALL WINDOWS AND DOORS CLOSED AND WORK IN A PIECEMEAL FASHION.
- M48. QUALITY ASSURANCE: SUBMIT TO OWNER THREE (3) COPIES OF BALANCING AND TESTING RECORDS OF TESTS SPECIFIED HEREIN SHOWING THE AIR DISTRIBUTION SYSTEMS HAVE BEEN BALANCED AND ARE DELIVERING SPECIFIED QUANTITIES. PROVIDE BUILDING MANAGEMENT WITH FINAL COPY OF BALANCING REPORT.
- M49. EACH PIECE OF EQUIPMENT SHALL BE IDENTIFIED AS TO LOCATION, SERVICE, MANUFACTURER AND MODEL NUMBER. THIS INFORMATION SHALL BE RECORDED AND INCLUDED IN THE FINAL BALANCE REPORT.
- M50. AFTER ADJUSTMENTS ARE COMPLETE, THE AIR CONDITIONING, HEATING, AND VENTILATING SYSTEMS SHALL BE TESTED, AND THE FOLLOWING INFORMATION RECORDED AND INCLUDED IN THE FINAL BALANCE REPORT:
- A. AIR DEVICES:
- (1) EACH AIR DEVICE SHALL BE IDENTIFIED AS TO LOCATION AND SERVICE.
- (2) SIZE, TYPE AND MANUFACTURER OF AIR DEVICES LISTED.
- (3) REQUIRED CFM AND TEST RESULTANT CFM EACH AIR DEVICE.
- M51. AFTER THE SYSTEMS HAVE BEEN BALANCED AND ALL ADJUSTMENTS COMPLETED, RUN A SIX HOUR TEST ON BOTH HEATING AND COOLING CYCLE TO DETERMINE IF SYSTEM IS RESPONDING TO TEMPERATURE CONTROLS. THERMOSTAT SETTING, THERMOSTAT TEMPERATURE READING, AND AN INDEPENDENT TEMPERATURE MEASUREMENT AT THE THERMOSTAT SHALL BE RECORDED AT EACH THERMOSTAT.
- M52. CONTRACTOR TO PROVIDE A NEW SET OF FILTER IN ALL HVAC EQUIPMENTS AT THE TIME OF SUBSTANTIAL COMPLETION. MERV-13 OR BETTER.
- M53. NO COMBUSTIBLE MATERIALS ALLOWED IN AIR PLENUM (ABOVE THE CEILING)
- M54. HEATER CONTROL PANELS SHALL BE 36" CLEAR PER N.E.C., TYPICAL.
- M55. ALL EQUIPMENT SHALL BE LISTED AND LABELED BY AN APPROVED AUTHORITY.
- M56. SHOP DRAWINGS - CONTRACTOR SHALL PROVIDE SHOP DRAWINGS ON THE FOLLOWING ITEMS FOR ARCHITECT/ENGINEER APPROVAL BEFORE PURCHASE ORDER IS RELEASED:
- DUCT AND PIPING INSULATION ROOFTOP UNIT
- DIFFUSER, REGISTERS, AND GRILLES FIRE DAMPERS - UL 555
- SPLIT-SYSTEM A/C UNITS EXHAUST FANS
- M57. DUCT LAYOUT - ALL NECESSARY ALLOWANCES AND PROVISIONS SHALL BE MADE BY THIS CONTRACTOR FOR BEAMS, COLUMNS, CONDUITS, EXISTING PIPING OR OTHER OBSTRUCTION OF THE BUILDING OR THE WORK OF OTHER CONTRACTORS, WHETHER OR NOT SAME IS INDICATED. WHERE NECESSARY TO AVOID OBSTRUCTION, AND TO MAINTAIN REQUIRED CEILING HEIGHTS THE DUCTS (EXISTING AND OR NEW) SHALL BE TRANSFORMED, DIVIDED, OFFSET, RAISED OR LOWERED WITH THE THE REQUIRED FREE AREA BEING MAINTAINED.
- M58. REFRIGERANT PIPING SHALL BE INSULATED WITH 1/2" FOAMED PLASTIC OF CLOSED CELL STRUCTURE,"K" VALUE OF 0.27 MAXIMUM AT 75 F. MAXIMUM WATER VAPOR TRANSMISSION RATING OF 0.20 PERM. APPLY WITH EDGES TIGHTLY BUTTED. SEAL JOINTS WITH VAPOR BARRIER TAPE OR SEALER. WHERE INSULATION IS LOCATED OUTDOOR, THE INSULATION SHALL BE PROTECTED FROM WEATHER AT ALL TIMES AND BE APPLIED DURING TIMES WHEN WEATHER IS CLEAR. PROTECT UNFINISHED INSULATION BY COVERING WITH WEATHERPROOF MATERIAL. INSULATION SHALL BE CONTINUOUS THROUGH THE WALLS. (MIN. R-3 INSULATION)
- M59. CONDENSATE DRAIN PIPING: TYPE M COPPER TUBING WITH WROUGHT COPPER FITTINGS AND SOLDER JOINTS. PITCH AT MINIMUM 2 PERCENT SLOPE. PROVIDE MINIMUM 2 INCH DEEP TRAP AT EACH A/C UNIT. INSULATE WITH 1 INCH THICK INSULATION.

SYMBOL LIST

	DUCT UNDER POSITIVE PRESSURE
	DUCT UNDER NEGATIVE PRESSURE
	SQUARE ELBOW WITH TURNING VANES
	ROUND TO RECTANGULAR TRANSITION
	NEW DUCTWORK
	FLEXIBLE CONNECTION
	MOTORIZED DAMPER
	EXISTING DUCTWORK SHALL BE REMOVED
	EXISTING DUCTWORK SHALL REMAIN
	BALANCING DAMPER
	BACKDRAFT DAMPER
	DUCT INCLINED RISE IN DIRECTION OF FLOW
	DUCT INCLINED DROP IN DIRECTION OF FLOW
	REFRIG. PIPE-LIQUIDE
	REFRIG. PIPE-SUCTION
	CONDENSATE DRAIN
	PIPE SLOPE DIRECTION
	LOUVERED DOOR
	INDICATES ROUND DUCT DIA. (INCHES)
	1" SOUND LINED DUCT - SHEET METAL DIMENSION SHOWN
	PROGRAMMABLE THERMOSTAT (NEST)
	FLOOR DRAIN
	CEILING REGISTER
	TOP REGISTER
	TRANSFER AIR GRILLE
	DESIGNATION FOR AIR HANDLING UNIT
	DESIGNATION FOR AIR COOLED CONDENSING UNIT
	FLOOR REGISTER
	BOTTOM REGISTER
	FILTER BACK GRILLE
	EXISTING WORK SHALL REMAIN
	EXISTING WORK SHALL BE REMOVED

ATELIER Mjk

1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009

(202)-643-3995

DISTRICT OF COLUMBIA
HARROKH KHATUN
No. 0294
REGISTERED
PROFESSIONAL ENGINEER

LATVIAN EMBASSY

2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:

	Comments	07/29/20
	Comments	08/04/20
	Final Set	08/10/20

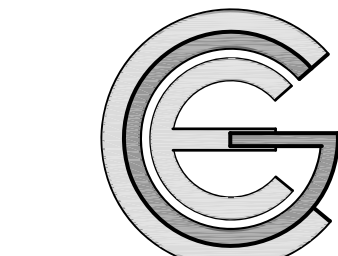
DATE: Permit 06/19/20

SHEET NAME:

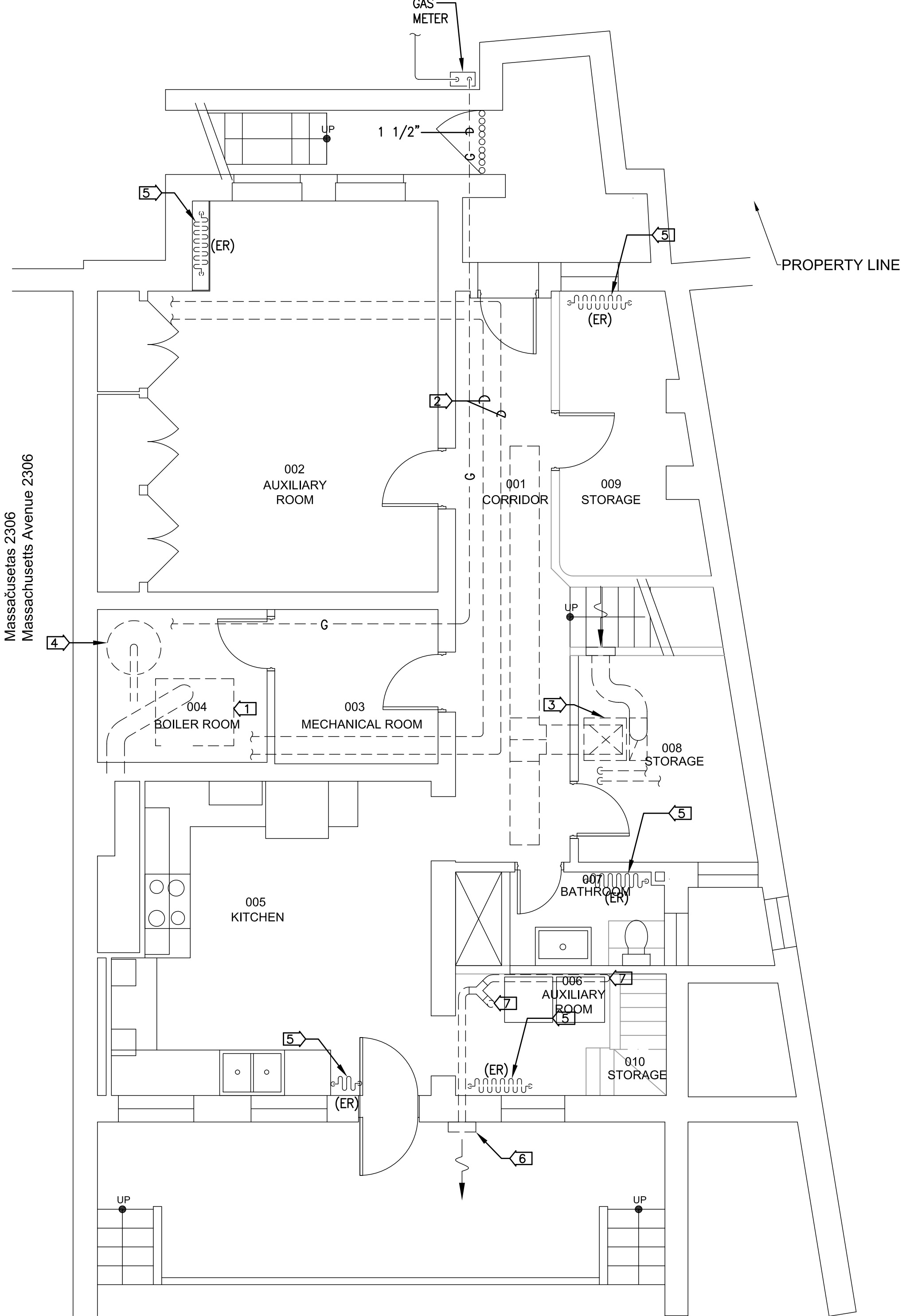
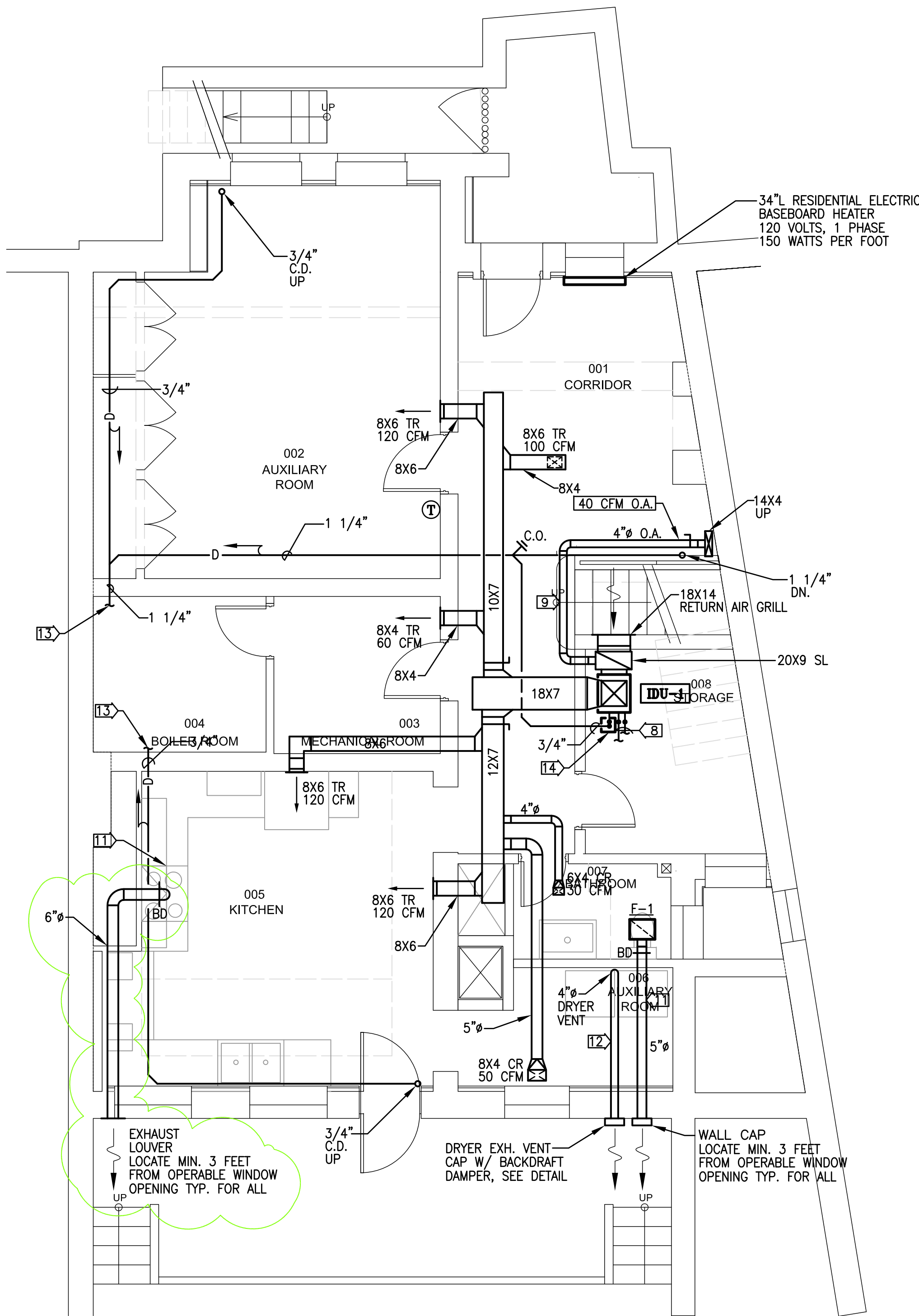
MECHANICAL
NOTES AND SYMBOLS

SHEET #:

MOO1



Capitol Engineering Group
1822 K Street NW, Suite 712 Washington DC, 20006 (202)201-0879 www.CEGROUP.com
Project No. 20021



1 MECHANICAL BASEMENT PLAN – DEMO

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

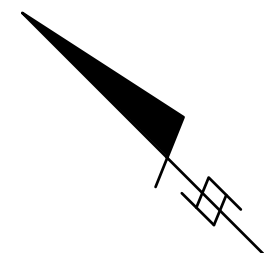
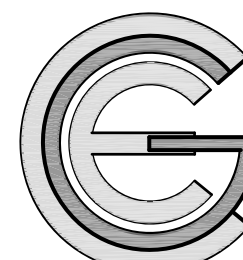
DRAWING NOTES:

- 1 REMOVE EXISTING BOILER WITH ALL ASSOCIATED PIPING, DISCONNECT, FLUE, GAS PIPING, CONTROLS, POWER WIRING BACK TO SOURCE.
- 2 REMOVE ALL EXISTING HOT WATER SUPPLY & RETURN PIPING INCLUDING ALL PIPE HANGERS, TYPICAL
- 3 REMOVE EXISTING SPLIT SYSTEM AHU WITH ALL ASSOCIATED REFRIGERANT PIPING CONDENSING UNIT, THERMOSTAT, CONTROL & POWER WIRING BACK TO SOURCE
- 4 REMOVE EXISTING WATER HEATER WITH ALL ASSOCIATED PIPING, & FLUE
- 5 REMOVE EXISTING HOT WATER RADIATOR WITH ALL ASSOCIATED PIPING
- 6 REMOVE EXISTING DRYER VENT
- 7 REMOVE EXISTING DRYER DUCTWORK
- 8 REFRIGERANT PIPING UP TO VRV UNIT ON ROOF. SIZE, AND ROUTE REFRIGERATION PIPING AS RECOMMENDED BY MANUFACTURER, TYPICAL.
- 9 INSULATED RIGID DUCTWORK
- 10 3/4" CONDENSATE DRAIN, RUN TO FLOOR DRAIN
- 11 RIGID DUCTWORK
- 12 RANGE HOOD WITH EXHAUST FAN W/ BACKDRAFT DAMPER, DISCHARGE TO OUTDOOR MAX 400 CFM
- 13 4" DRYER EXHAUST DUCTWORK, ROUTING AND CONFIGURATION SHALL MEET DRYER MANUFACTURER INSTALLATION REQUIREMENT. DRYER SHALL BE FURNISHED WITH HIGH STATIC PRESSURE DROP FAN MOTOR, MIN. DESIGNED FOR 100 FEET VENT DUCT
- 14 RUN CONDENSATE DRAIN TO NEAREST OPEN SITE DRAIN
- 15 CONDENSATE DRAIN PUMP, LITTLE GIANT MODEL VCL-24UP, 1/18HP MOTOR, 120V, 1 PHASE 270 GPH

2 MECHANICAL BASEMENT PLAN – NEW WORK

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

0' 2' 4' 6'



Capitol Engineering Group
1823 K Street NW, Suite 372 Washington DC, 20006 (202)251-0879 www.CEGG.com
Project No. 20021

Atelier Mjk

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)–643–3995



LATVIAN EMBASSY
2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△	Comments	07/29/20
△	Comments	08/04/20
△	Final Set	08/10/20
△		
△		
△		

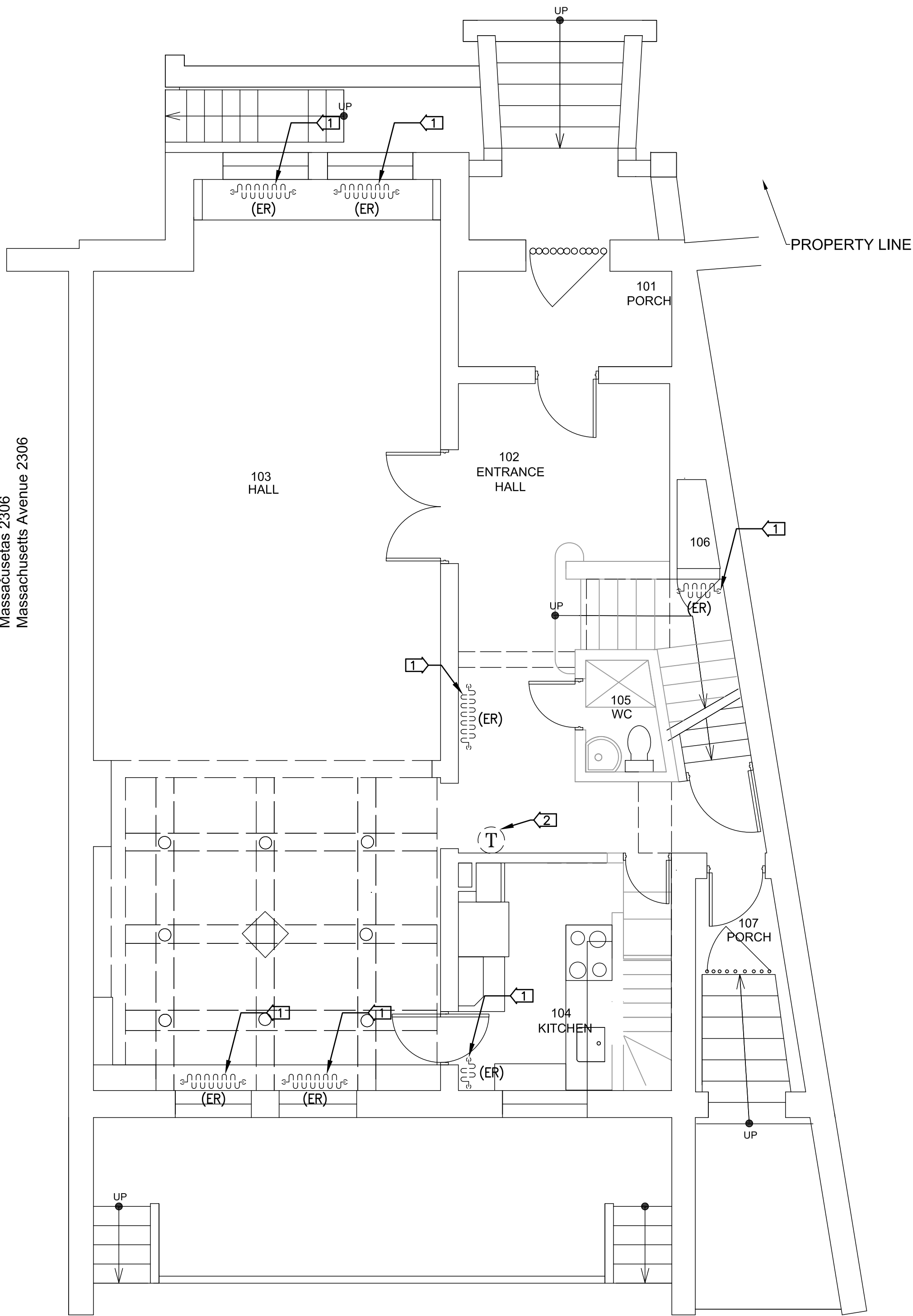
DATE: Permit 06/19/20

SHEET NAME:

MECHANICAL
BASEMENT
FLOOR PLANS

SHEET #:

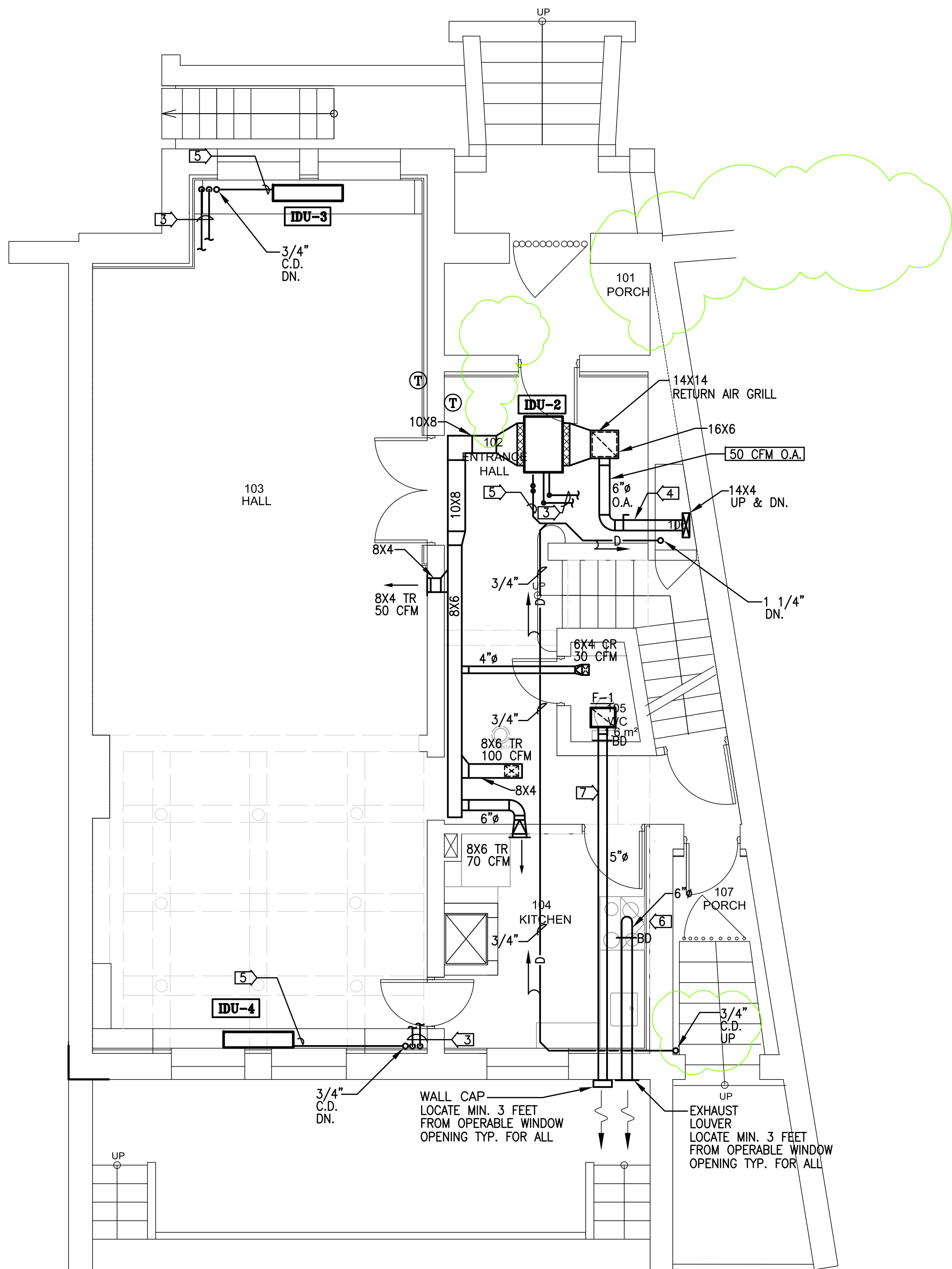
M002



1 MECHANICAL FIRST FLOOR PLAN – DEMO
SCALE: 1/4" = 1' - 0"

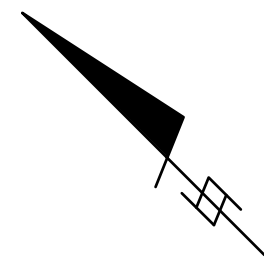
DRAWING NOTES:

- 1 REMOVE EXISTING HOT WATER RADIATOR WITH ALL ASSOCIATED PIPING
- 2 REMOVE EXISTING THERMOSTAT
- 3 REFRIGERANT PIPING UP TO VRV UNIT ON ROOF. SIZE, AND ROUTE REFRIGERATION PIPING AS RECOMMENDED BY MANUFACTURER, TYPICAL.
- 4 INSULATED RIGID DUCTWORK
- 5 3/4" CONDENSATE DRAIN, RUN TO FLOOR DRAIN
- 6 RANGE HOOD WITH EXHAUST FAN W/ BACKDRAFT DAMPER, DISCHARGE TO OUTDOOR MAX 400 CFM
- 7 RIGID DUCTWORK



2 MECHANICAL FIRST FLOOR PLAN – NEW WORK
SCALE: 1/4" = 1' - 0"

0' 2' 4' 6'



Atelier Mjk

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)–643–3995



LATVIAN EMBASSY
2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△	Comments	07/29/20
△	Comments	08/04/20
△	Final Set	08/10/20
△		
△		
△		

DATE: Permit 06/19/20

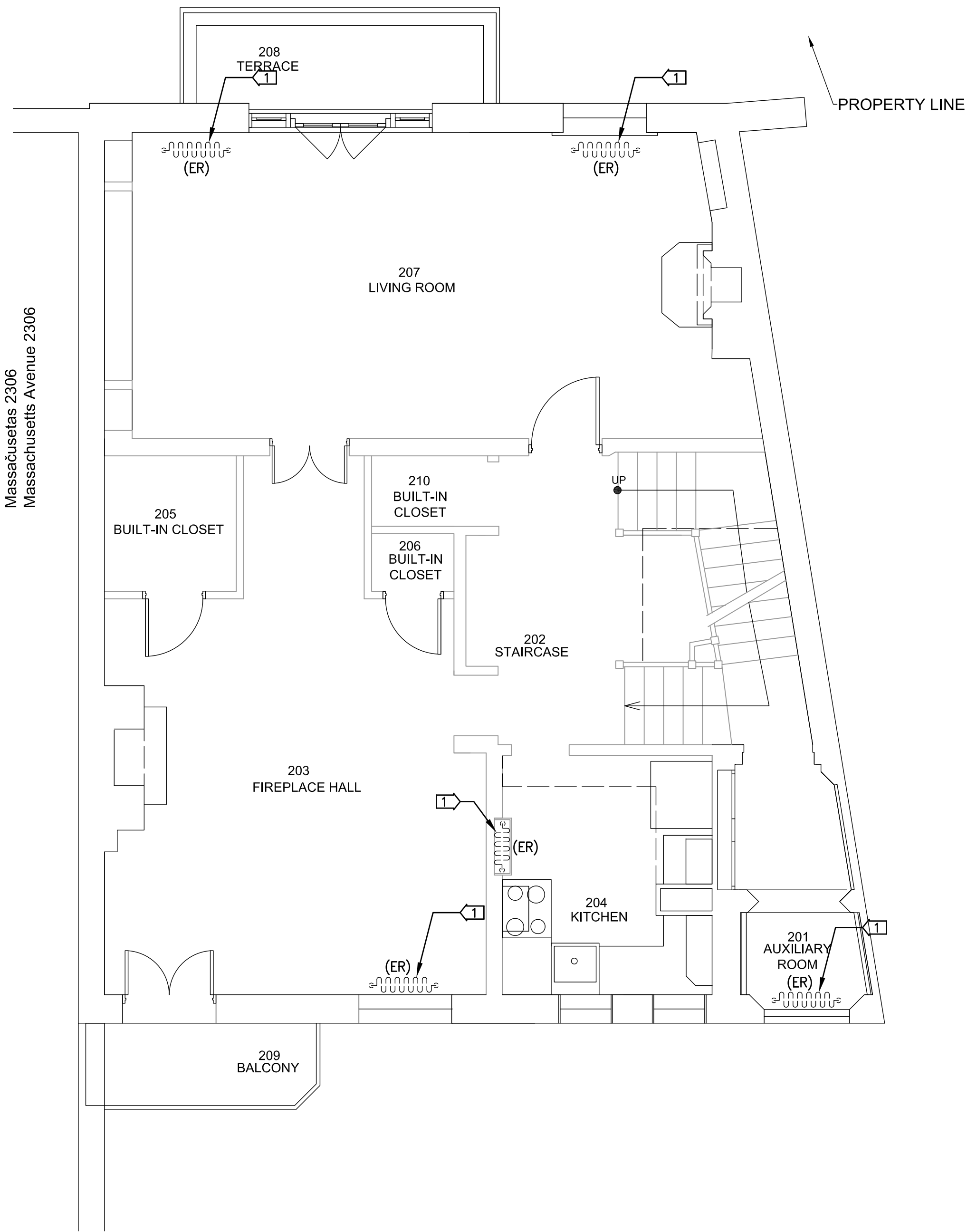
SHEET NAME:

MECHANICAL
FIRST
FLOOR PLANS

SHEET #:

M003

Massachusetts 2306
Massachusetts Avenue 2306

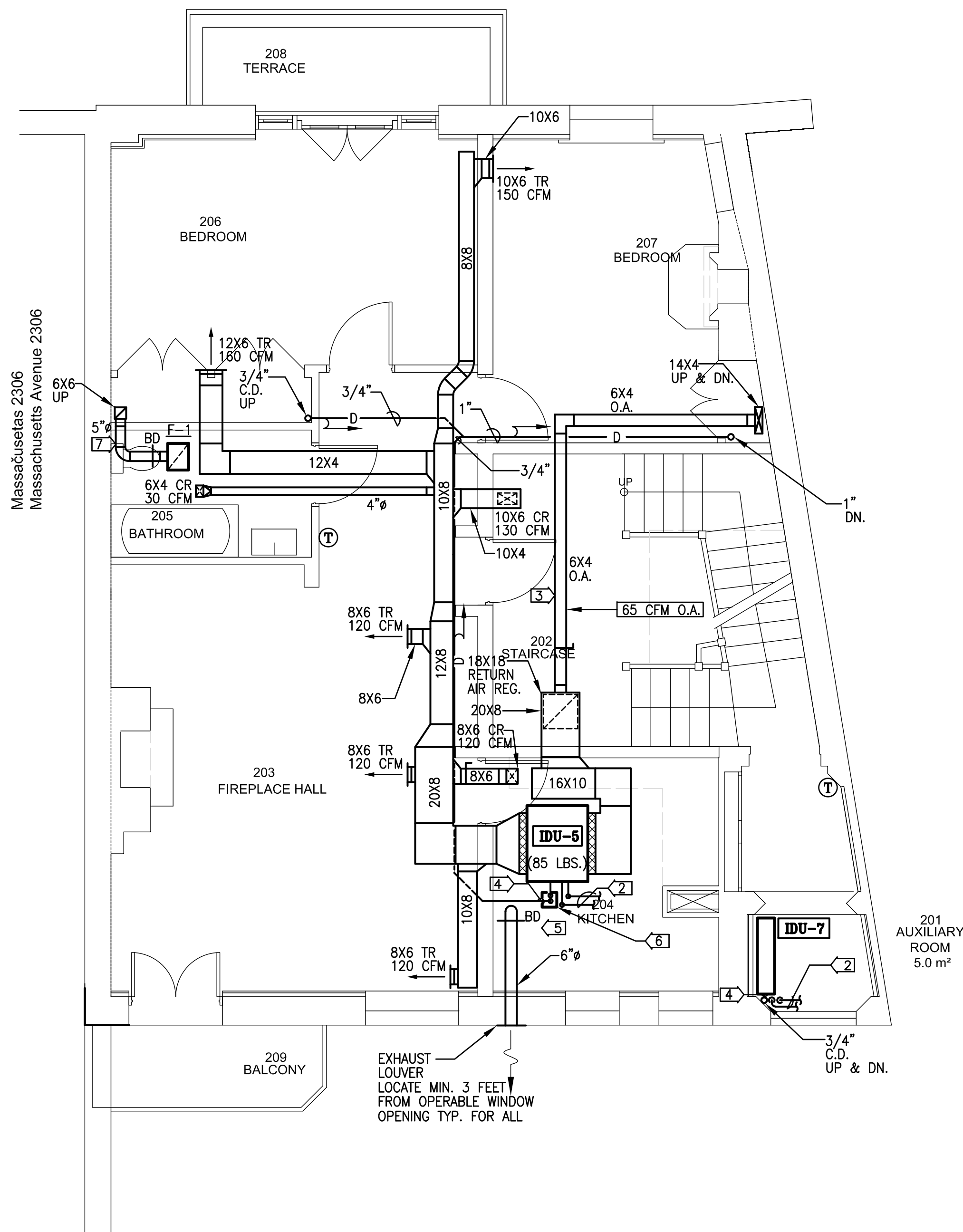


1 MECHANICAL SECOND FLOOR PLAN – DEMO
SCALE: 1/4" = 1' - 0"

DRAWING NOTES:

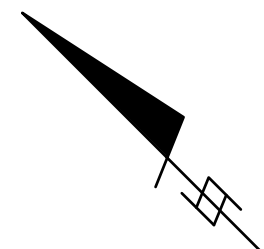
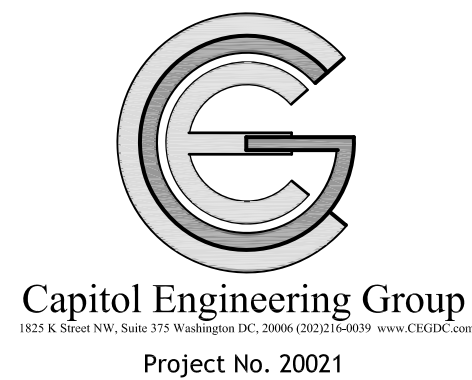
- 1 REMOVE EXISTING HOT WATER RADIATOR WITH ALL ASSOCIATED PIPING
- 2 REFRIGERANT PIPING UP TO VRV UNIT ON ROOF. SIZE, AND ROUTE REFRIGERATION PIPING AS RECOMMENDED BY MANUFACTURER, TYPICAL.
- 3 INSULATED RIGID DUCTWORK
- 4 3/4" CONDENSATE DRAIN, RUN TO FLOOR DRAIN
- 5 RANGE HOOD WITH EXHAUST FAN W/ BACKDRAFT DAMPER, DISCHARGE TO OUTDOOR MAX 400 CFM
- 6 CONDENSATE DRAIN PUMP, LITTLE GIANT MODEL VCL-24UP, 1/18HP MOTOR, 120V, 1 PHASE 270 GPH
- 7 RIGID DUCTWORK

Massachusetts 2306
Massachusetts Avenue 2306



2 MECHANICAL SECOND FLOOR PLAN – NEW WORK
SCALE: 1/4" = 1' - 0"

0' 2' 4' 6'



Atelier Mjk

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)–643–3995



LATVIAN EMBASSY
2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

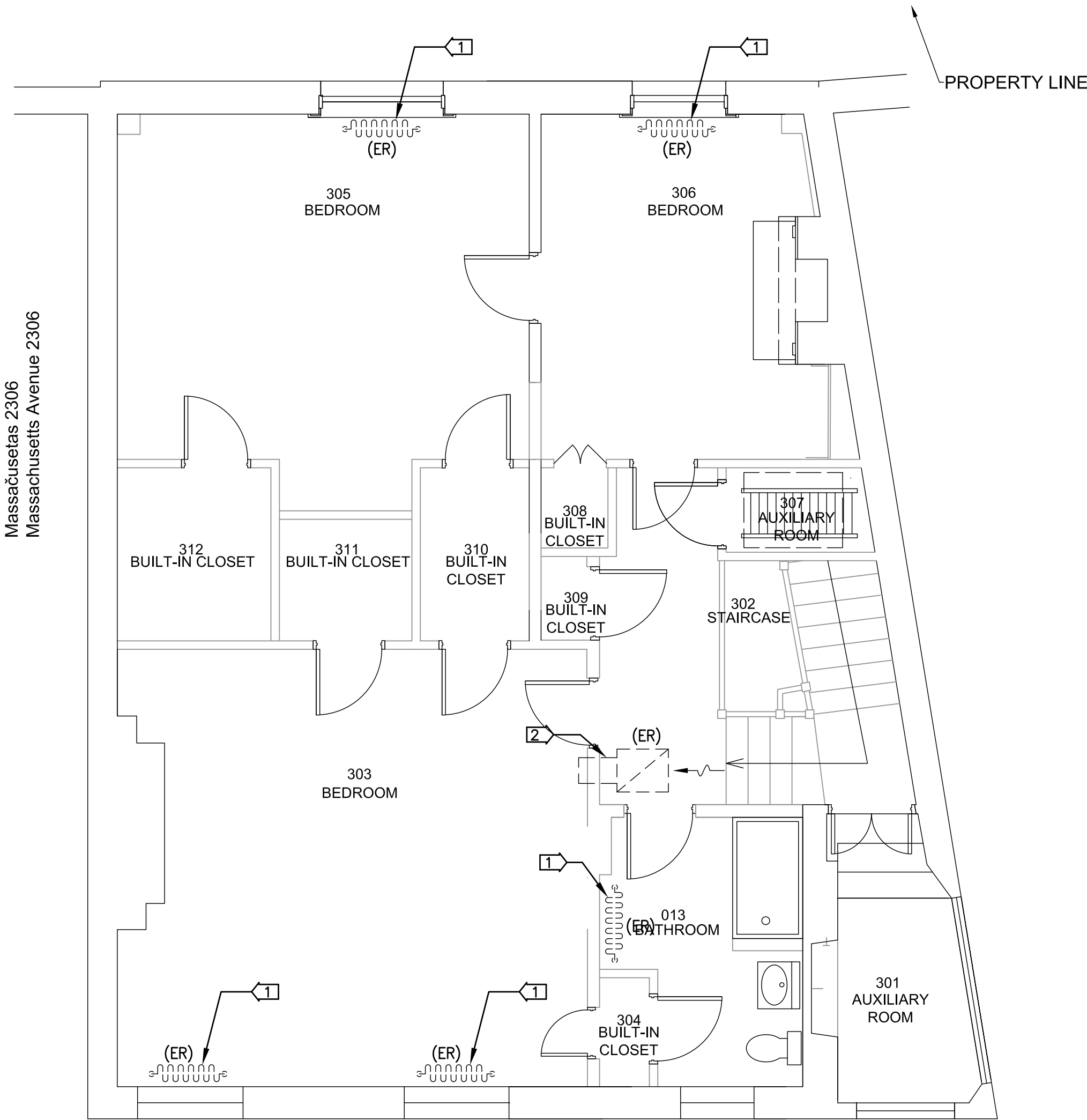
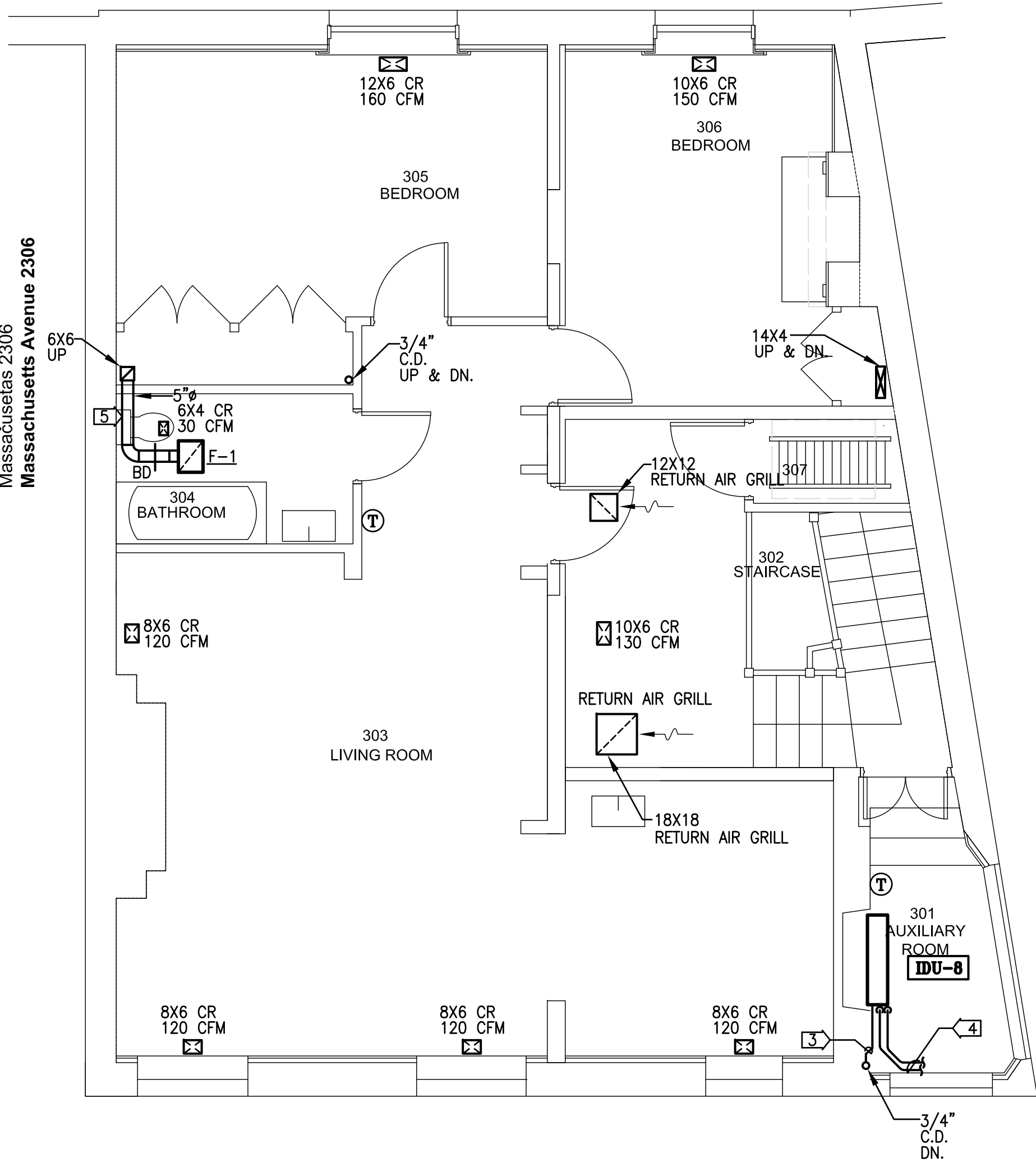
REVISIONS:	
△	Comments 07/29/20
△	Comments 08/04/20
△	Final Set 08/10/20
△	
△	
△	

DATE: Permit 06/19/20

SHEET NAME:
MECHANICAL
SECOND
FLOOR PLANS

SHEET #:

M004



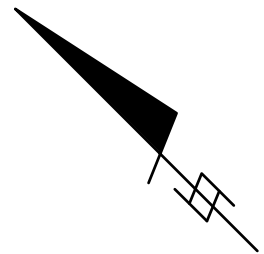
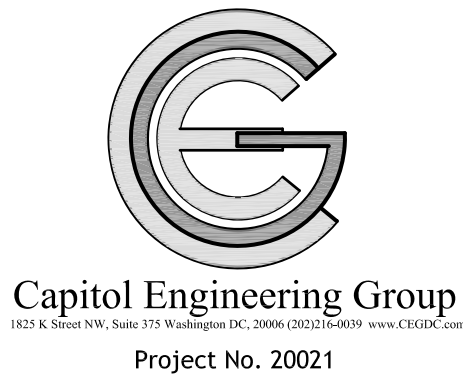
1 MECHANICAL THIRD FLOOR PLAN - DEMO
SCALE: 1/4" = 1' - 0"

2 MECHANICAL THIRD FLOOR PLAN - NEW WORK
SCALE: 1/4" = 1' - 0"

DRAWING NOTES:

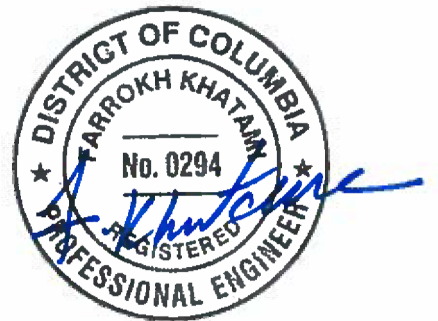
- 1 REMOVE EXISTING HOT WATER RADIATOR WITH ALL ASSOCIATED PIPING
- 2 REMOVE EXISTING RETURN DUCT
- 3 3/4" CONDENSATE DRAIN, RUN TO FLOOR DRAIN
- 4 REFRIGERANT PIPING UP TO VRV UNIT ON ROOF. SIZE, AND ROUTE REFRIGERATION PIPING AS RECOMMENDED BY MANUFACTURER, TYPICAL.
- 5 RIGID DUCTWORK

0' 2' 4' 6'



Atelier Mjk

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202) - 643-3995



LATVIAN EMBASSY
2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△	Comments	07/29/20
△	Comments	08/04/20
△	Final Set	08/10/20
△		
△		
△		

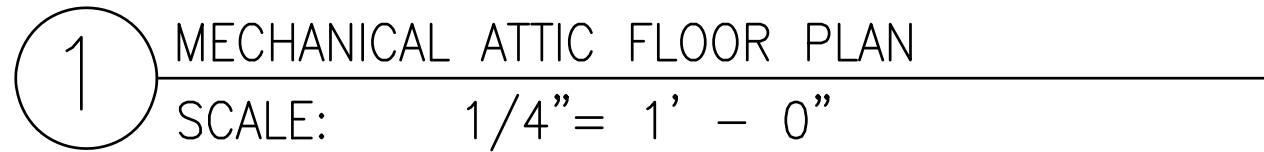
DATE: Permit 06/19/20

SHEET NAME:

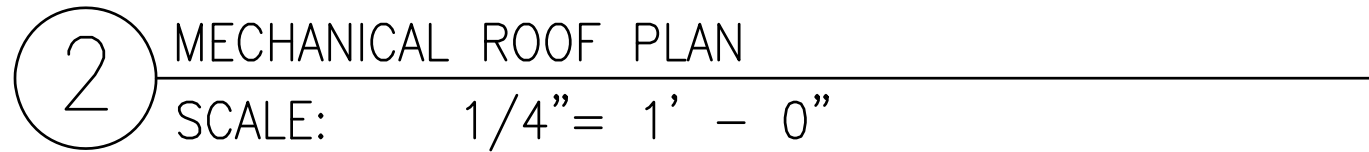
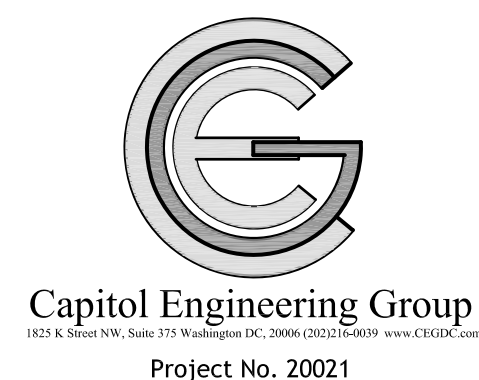
MECHANICAL
THIRD
FLOOR PLANS

SHEET #:

M005



- 1) REFRIGERANT PIPING UP TO VRV UNIT ON ROOF. SIZE, AND ROUTE REFRIGERANT PIPING AS RECOMMENDED BY MANUFACTURER, TYPICAL.
- 2) INSULATED RIGID DUCTWORK
- 3) 3/4" CONDENSATE DRAIN, RUN TO FLOOR DRAIN
- 4) RUN REFRIGERANT PIPING TO VRV INDOOR UNIT, TYPICAL FOR ALL PROTECT ALL INSULATION EXPOSED TO WEATHER WITH E-FLEX GUARD OR EQUAL
- 5) REMOVE EXISTING AIR-COOLED CONDENSING UNIT WITH ALL ASSOCIATED DISCONNECT, REFRIGERANT PIPING, CONTROL & POWER WIRING BACK TO SOURCE,
- 6) SEE DETAIL SHEET (M010) FOR PIPE THROUGH ROOF PENETRATION DETAIL
- 7) REMOVE EXISTING INDOOR AIR HANDLING UNIT WITH ASSOCIATED DUCT WORK REMOVE EXISTING REFRIGERANT PIPING, CONDENSATE DRAIN PIPE, COIL CONTROL & POWER WIRING BACK TO SOURCE.



ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)–643–3995



LATVIAN EMBASSY
2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:		
△	Comments	07/29/20
△	Comments	08/04/20
△	Final Set	08/10/20
△		
△		
△		

DATE: Permit 06/19/20

SHEET NAME:

MECHANICAL
ATTIC & ROOF
FLOOR PLANS

SHEET #:

M006

F A N S C H E D U L E												
NO.	AREA SERVED	FAN TYPE	CFM	S.P. INCH	MAX. RPM	DRIVE	MOTOR		CONTROL INTERLOCK	BASIS OF DESIGN	QUANTITY	REMARKS
							H.P.-(WATTS)	VOLTS/PH				
F-1	TOILET	CEILING	60	0.375	1200	DIRECT	(60)	120V/1ø	LIGHT SWITCH AND HUMIDISTAT	" PANASONIC " FV-0511VKSL2	SEE NOTE 2	(FAN WITH LIGHT)

NOTES: 1. ALL DIRECT DRIVE MOTOR EXHAUST FANS SHALL BE FURNISHED WITH FACTORY INSTALLED THREE SPEED SWITCH FOR BALANCING, & BACK DRAFT DAMPER.
2. REFERENCE FLOOR PLAN FOR QUANTITY OF FANS, FAN SHALL BE ENERGY STAR LABELED. FAN IN APT. MUST BE CONTROLLED BY LIGHT SWITCH. 5" DIA. CONNECTION

SEQUENCE OF OPERATION; (REQUIREMENTS OF ASHRAE 62.2.)
OUTSIDE AIR DUCT WILL PROVIDE FRESH AIR TO EACH MECHANICAL ROOM.
UPON A SIGNAL FROM THE PROGRAMMABLE THERMOSTAT,
THE OUTSIDE AIR DAMPER SHALL OPEN TO MIN. SET POINT. AHU FAN SHALL ENERGIZE.
COMPRESSOR & BURNER SHALL ENERGIZE AS REQUIRED TO MAINTAIN HEATING & COOLING SET POINT.
FIRE ALARM SYSTEM SHALL BE CONNECTED TO THE HVAC SYSTEMS
TO SHUT EQUIPMENT DOWN IN THE EVENT OF A FIRE ALARM SYSTEM
ACTIVATION. COORDINATE WITH FIRE ALARM CONTRACTOR FOR CONTROL INTERFACE

VARIABLE REFRIGERANT VOLUME - INDOOR UNIT SCHEDULE																			
TAG	ROOM	BASIS OF DESIGN (DAIKIN)	NOMINAL TONNAGE	TYPE	CONNECTED TO:		SUPPLY FAN	COOLING CAPACITY			HEATING CAPACITY		ELECTRICAL			DIMENSIONS		WEIGHT	NOTES
					CONDENSING UNIT	ZONE CHANGEOVER DEVICE	AIR FLOW RATE cfm	TOTAL BTU/h	SENSIBLE BTU/h	ENTERING AIR		TOTAL BTU/h	ENTERING AIR	POWER SUPPLY	Min Circuit Amps	Max Overcurrent Protection	WxHxD	Net	
										*F DB	*F WB								
IDU-1		FXTQ18TAVJUA	1.5	Multi Position Air Handler	VRV- 1	No	600	15,149	11,085	75.0	62.5	20,700	68.0	208-230V 1ph	4.9	15.0	17.5 x 45.0 x 21.0	115.0	
IDU-2		FXSQ12TAVJU	1.0	MSP Concealed Ducted Unit	VRV- 1	No	335	10,253	8,583	75.0	62.5	13,990	68.0	208-230V 1ph	0.8	15.0	21.7 x 9.7 x 31.5	55.0	
IDU-3		FXLQ09MVJIU9	0.8	Floor Standing Unit	VRV- 1	No	245	7,984	5,961	75.0	62.5	10,885	68.0	208-230V 1ph	0.3	15.0	39.4 x 23.6 x 8.7	57.3	
IDU-4		FXLQ09MVJIU9	0.8	Floor Standing Unit	VRV- 1	No	245	7,984	5,961	75.0	62.5	10,885	68.0	208-230V 1ph	0.3	15.0	39.4 x 23.6 x 8.7	57.3	
IDU-5		FXSQ30TAVJU	2.5	MSP Concealed Ducted Unit	VRV-2	No	812	25,914	20,377	75.0	62.5	35,145	68.0	208-230V 1ph	1.8	15.0	39.4 x 9.7 x 31.5	82.0	
IDU-6		FXSQ30TAVJU	2.5	MSP Concealed Ducted Unit	VRV-2	No	812	25,914	20,377	75.0	62.5	35,145	68.0	208-230V 1ph	1.8	15.0	39.4 x 9.7 x 31.5	82.0	
IDU-7		FXLQ07MVJIU9	0.6	Floor Standing Unit	VRV-2	No	245	6,278	4,928	75.0	62.5	8,803	68.0	208-230V 1ph	0.3	15.0	39.4 x 23.6 x 8.7	57.3	
IDU-8		FXLQ07MVJIU9	0.6	Floor Standing Unit	VRV-2	No	245	6,278	4,928	75.0	62.5	8,803	68.0	208-230V 1ph	0.3	15.0	39.4 x 23.6 x 8.7	57.3	

Schedule Notes:
Standard Limited Warranty: 10-year warranty on compressor and all parts

VARIABLE REFRIGERANT VOLUME - AIR-COOLED CONDENSING UNIT SCHEDULE																			
TAG: ROOM	BASIS OF DESIGN (DAIKIN)	NOMINAL TONNAGE	DESCRIPTION	COOLING CAPACITY		HEATING CAPACITY		REFRIGERANT CHARGE		CONNECTION RATIO (%)	ELECTRICAL				DIMENSIONS		EFFICIENCY (NonDucted/Duc		NOTES
				BTU/h	AMBIENT DESIGN (°F DB)	BTU/h	AMBIENT DESIGN (°F DB / WB)	Factory Charge (lbs)	Add'l Refrigerant (lbs)		VOLTAGE- PHASE	MIN CIRCUIT AMPS (MCA)	MAX OVERCURRENT PROTECTION (MOP)	RUNNING CURRENT(RLA)	(WxHxD) (inch)	WEIGHT (lbs)	EER	IEER	
VRV- 1	RXTQ48TAVJU	4	Air cooled heat pump (1)	42,785	95.0	40,252	10.0 / 9.0	7.5	n/a	102.1	208-230V 1ph	29.1	35.0	19.0	37.0 x 39.0 x 12.6	176.4	10.3/9.4	18/16	
VRV-2	RXTQ60TAVJU	5	Air cooled heat pump (1)	59,029	95.0	47,692	10.0 / 9.0	7.9	n/a	125.0	208-230V 1ph	29.1	35.0	23.2	35.4 x 53.0 x 12.6	224.9	9.8/9.2	18/16	

Schedule Notes:
1 Manufacturer must be certified, listed, and labeled per AHRI 1230.
2 System rating data based on design ambient conditions for cooling and for heating.
3 Manufacturer must certify and submit system performance at extreme conditions of 120 degrees F ambient in cooling mode and -4 degrees F in heating mode.
4 Submitted performance data must be fully de-rated for all components and accessories, including but not limited to, line length, vertical separation, connection ratio, design
5 System must provide continuous heating during defrost and oil return. Systems without this capability must be de-rated to account for heating lost during defrost cycle and unit
6 Condensing units must have fully modulating INVERTER compressors. Digital scroll compressors are not acceptable.
7 All Mode Changeover Devices and FCU refrigerant controls shall be via Electronic Expansion Valves (EEV's) with 2000:1 throttling range.
8 VRF systems using solenoid control valves must provide acoustic treatment to attenuate valve noise below NC20 in all occupied modes.
9 Condensing units must be furnished with protective coil coating to withstand ASTM B117 salt spray test for a minimum of 2500 hours.Performance of system must be de - rated for coil coating.
10 FCU thermostats must provide +/- 1 degree dead - band set - point and control capability.
11 System shall be provided with i - Touch Manager controller with WEB based software for displaying up to 8 DIII - Net systems with 128 indoor units per system.PC by others.
12 Manufacturers submittal must include refrigerant piping diagram with pipe diameters, lengths, and refrigerant volume.
13 Contractor to verify piping dimensions.
14 Installing contractor must have successfully completed manufacturers certified installation class within past 36 months.
15 Contractor to furnish and install insulation on refrigerant piping in accordance with manufacturers recommendations.
16 Mechanical contractor shall be responsible for all direct costs and operating costs increases for 20 years associated with any deviations resulting from changes in design.
17 Manufacturer must provide 10 years parts warranty on all FCUs, Condensing Units, Mode Changeover Devices and Zone Controls. Warranty conditions must be clarified during submittal phase.

DUCTWORK SCHEDULE				
DUCTWORK DESCRIPTIN	PRESSURE CLASS (INCHES W.G.)	SEAL CLASS	INSULATION REQUIREMENTS	REMARKS
TOILET EXHAUST	2.0"	C	—	
SUPPLY AIR DOWNSTREAM OF TERMINAL UNITS	2.0"	C	1 1/2"	
CONSTANT VOLUME UNITS	2.0"	C	1 1/2"	
RETURN	2.0"	C	1 1/2"	
RELIEF AIR	2.0"	C	1 1/2"	
OUTSIDE AIR LOW PRESSURE	2.0"	C	2"	

Latvian Embassy

Air Change Calculation

SYSTEM	AREA SERVED	PERSON	AREA	AIR CHANGE	IMC	62.2-2013	Provided Outside Air (CFM)
AHU-1	Basement	0	797.6	40	0	31.428	40
AHU- 2,3, 4	First Floor	0	1004.19	50	0	37.6257	50
AHU- 5,7	Second Floor	3	1044.09	52	45	61.3227	65
AHU- 6,8	Third Floor	2	1039.8	52	30	53.694	55

NOTES:
1- WHEN USED FOR HEATING-COOLING CONTROL, PROVIDE A DEADBAND OF AT LEAST 5 DEG. F
2- AUTOMATIC SETBACK CONTROLS DURING BUILDING OFF-HOURS TO MAINTAIN 85 DEG. F COOLING AND 55 DEG. F HEATING.
3- AUTOMATIC CONTROLS TO OPERATE EQUIPMENT BASED ON 7 DAYS SCHEDULE, STORED IN THE BAS WITH NON-VOLATILE MEMORY.
4- ELECTRIC WALL HEATERS SHALL BE DISABLED WHEN THE SYSTEM INDEXED TO COOLING

DEDICATED OUTSIDE AIR UNIT (DOAS-1)		
EVAPORATOR SUPPLY AIR	CFM RANGE	100-500
EVAPORATOR FANS	TYPE	ECM
	QTY	2
COIL MATERIALS:	ALUMINUM FINS/COPPER TUBES	
INDOOR COIL ROWS/ FPI		6/13
INDOOR COIL FACE AREA	FT2	1.0
OUTDOOR COIL ROWS/ FPI		4/18
OUTDOOR COIL FACE AREA	FT2	1.0
REHEAT COIL ROWS/FPI		1/13
REHEAT COIL FACE AREA	FT2	0.85
WHEEL TYPE		ENTHALPY
WHEEL DIAMETER	IN	19.7
PLATE TYPE		SENSIBLE
ELECTRICAL DATA:		
MOTOR POWER/ FLA	KW/AMPS	0.4/2.3
MOTOR QTY		2
COMPRESSOR QTY/ TYPE		1/RECIP.
COMPRESSOR LRA/RLA	AMPS/AMPS	45/4.5
UNIT MCA	AMPS	10.2
UNIT MOP	AMPS	15
AIR FILTERS:		
TYPE	PLEATED THROWAWAY	
QTY/ SIZE	2/12X24X2	
EFFICIENCY	MERV 8	
WEIGHT (NET OPERATING)	600 LBS*	

NOTES: *APPROXIMATE NET OPERATING WEIGHT OF STANDARD UNIT, ADDITIONAL OPTIONS MAY CHANGE OVERALL WEIGHT

Atelier Mjk

ATELIER Mjk
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202) - 643 - 3995



LATVIAN EMBASSY
2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△	Comments	07/29/20
△	Comments	08/04/20
△	Final Set	08/10/20
△		
△		
△		

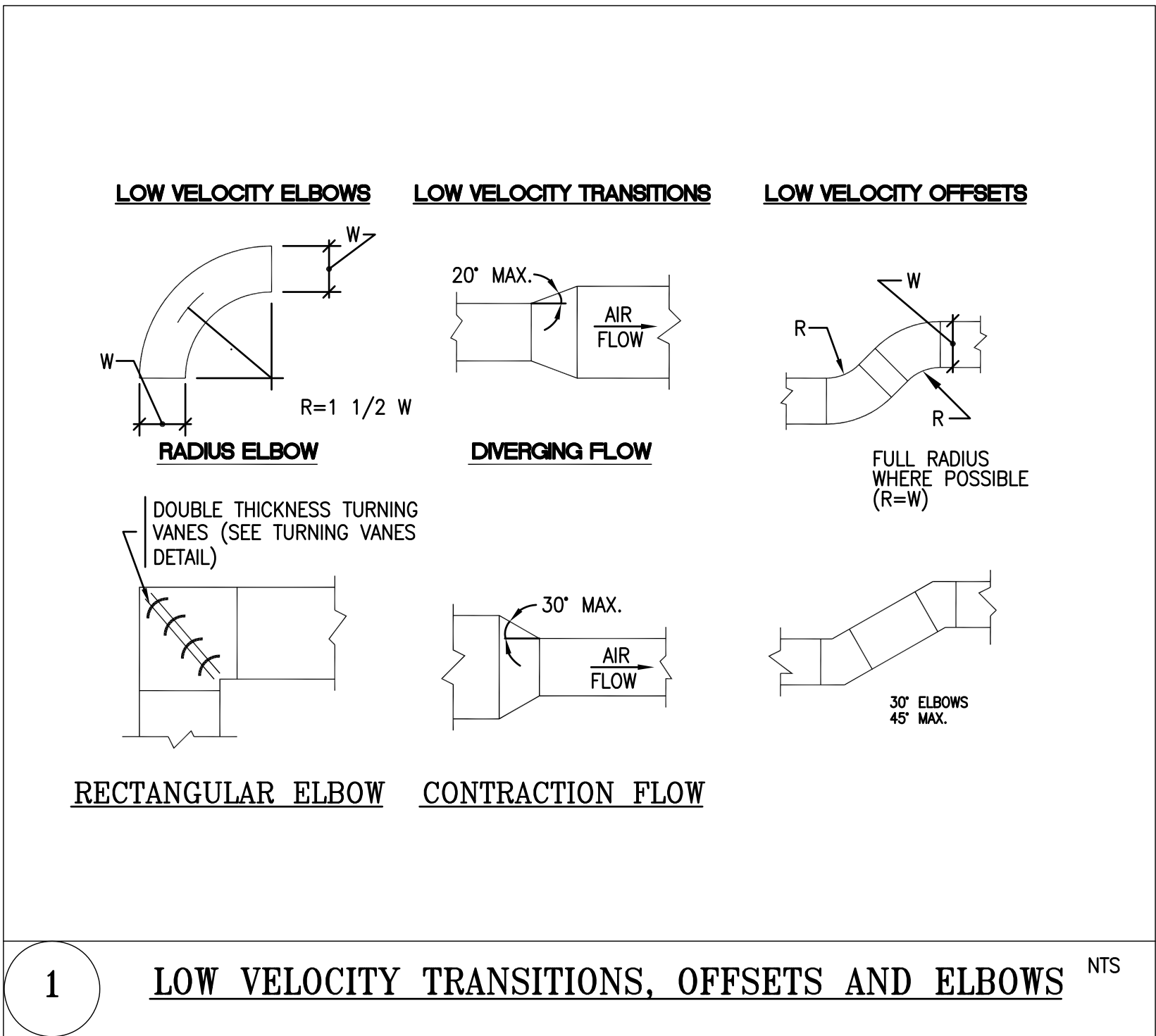
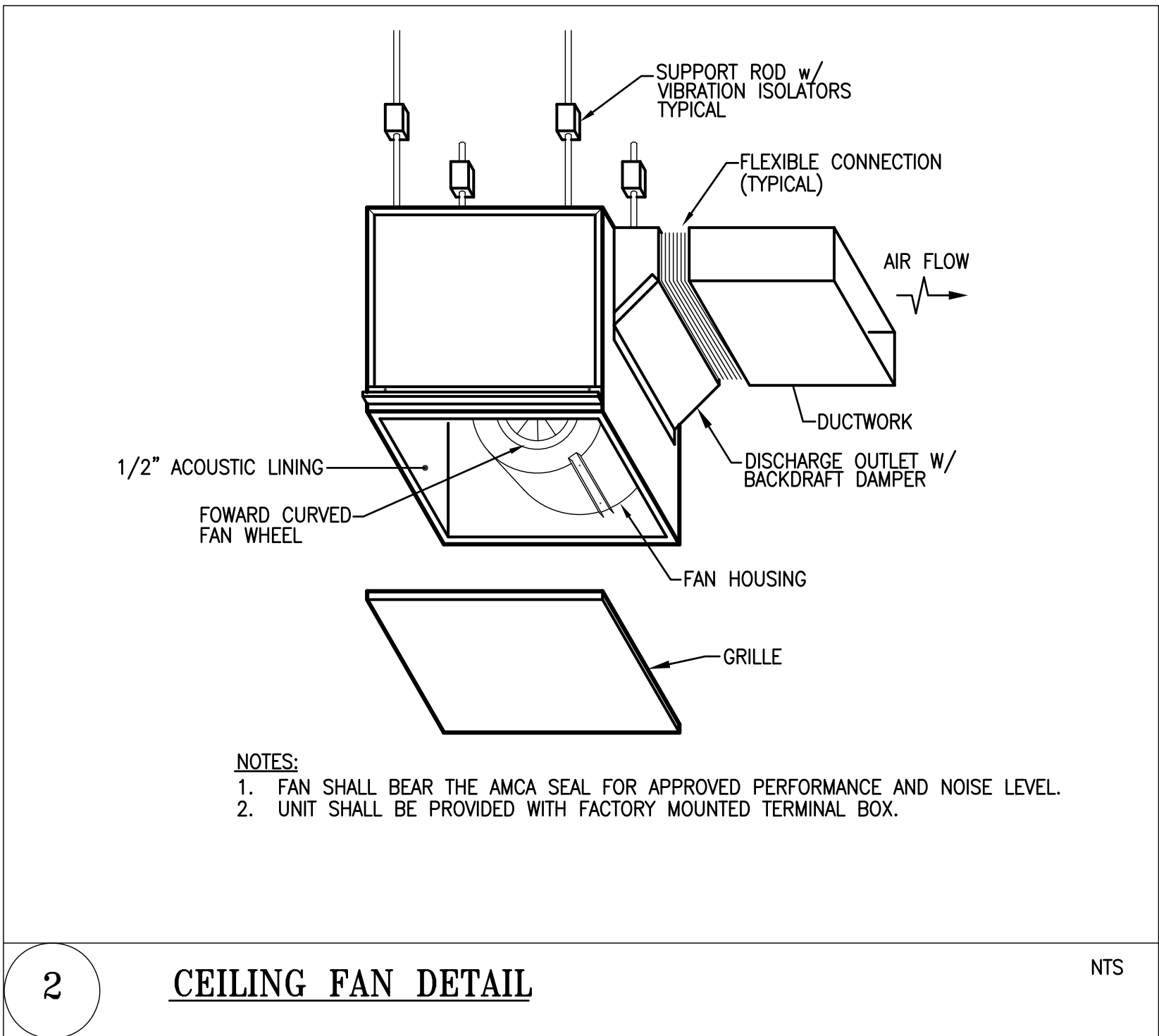
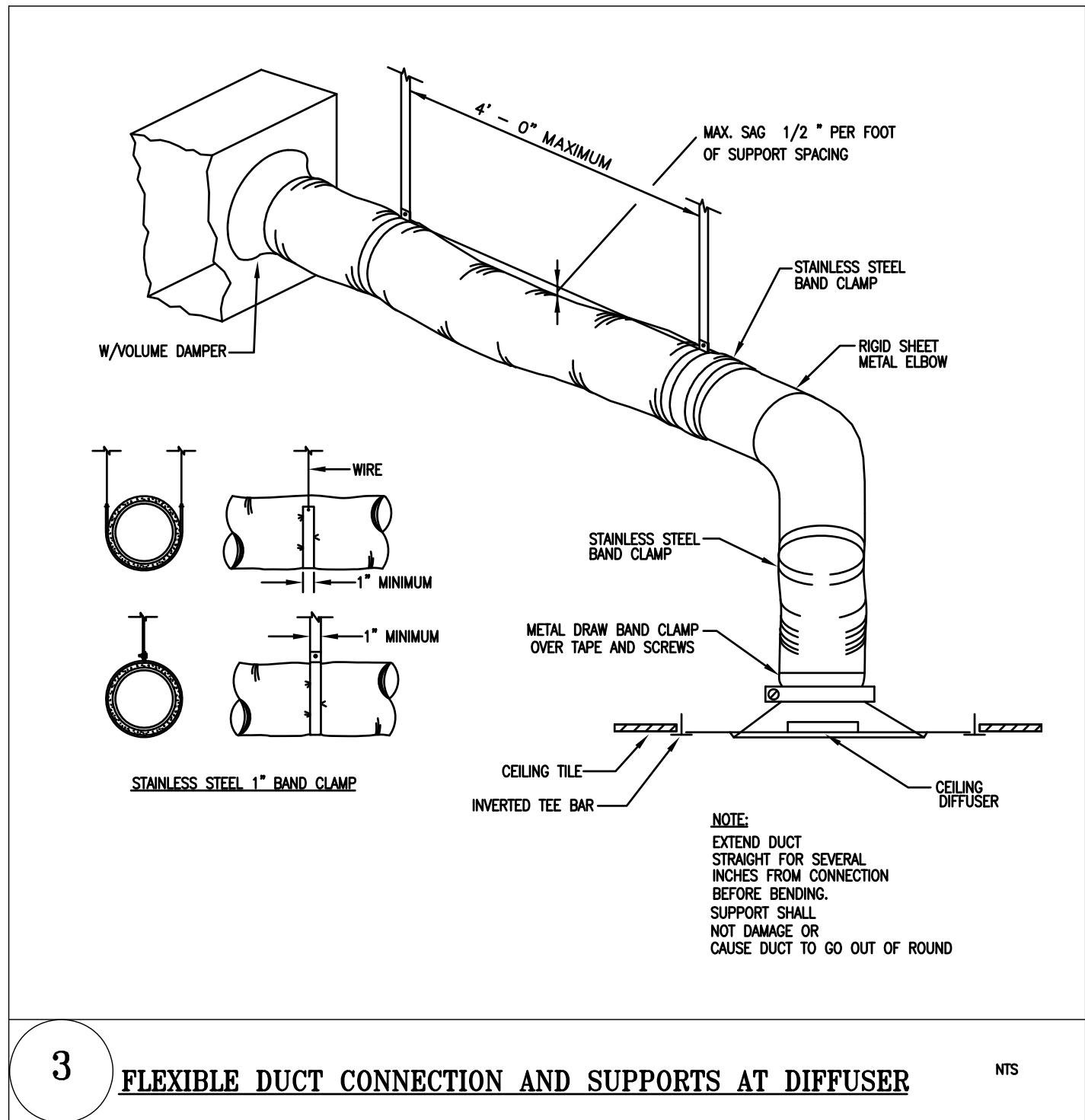
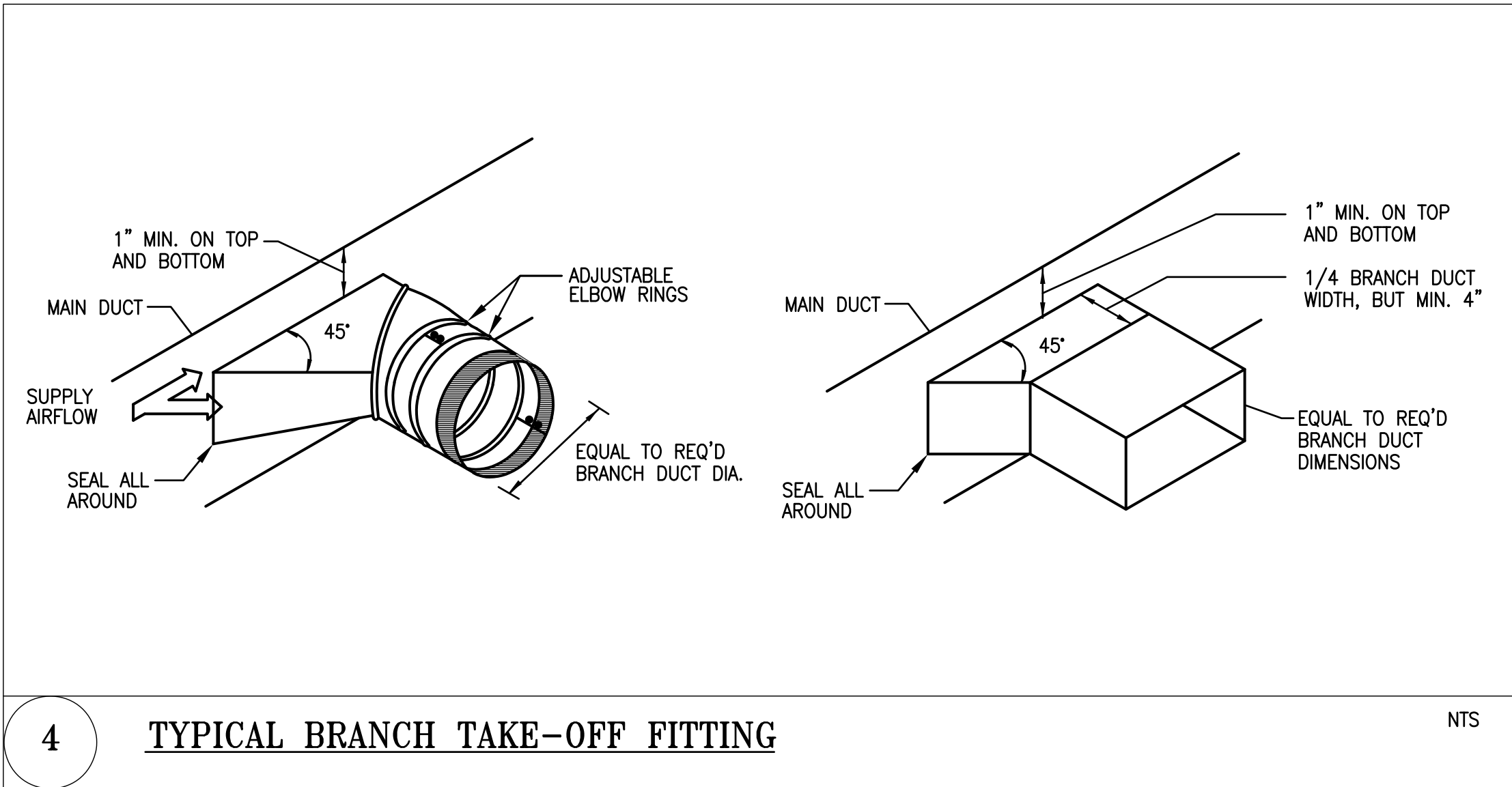
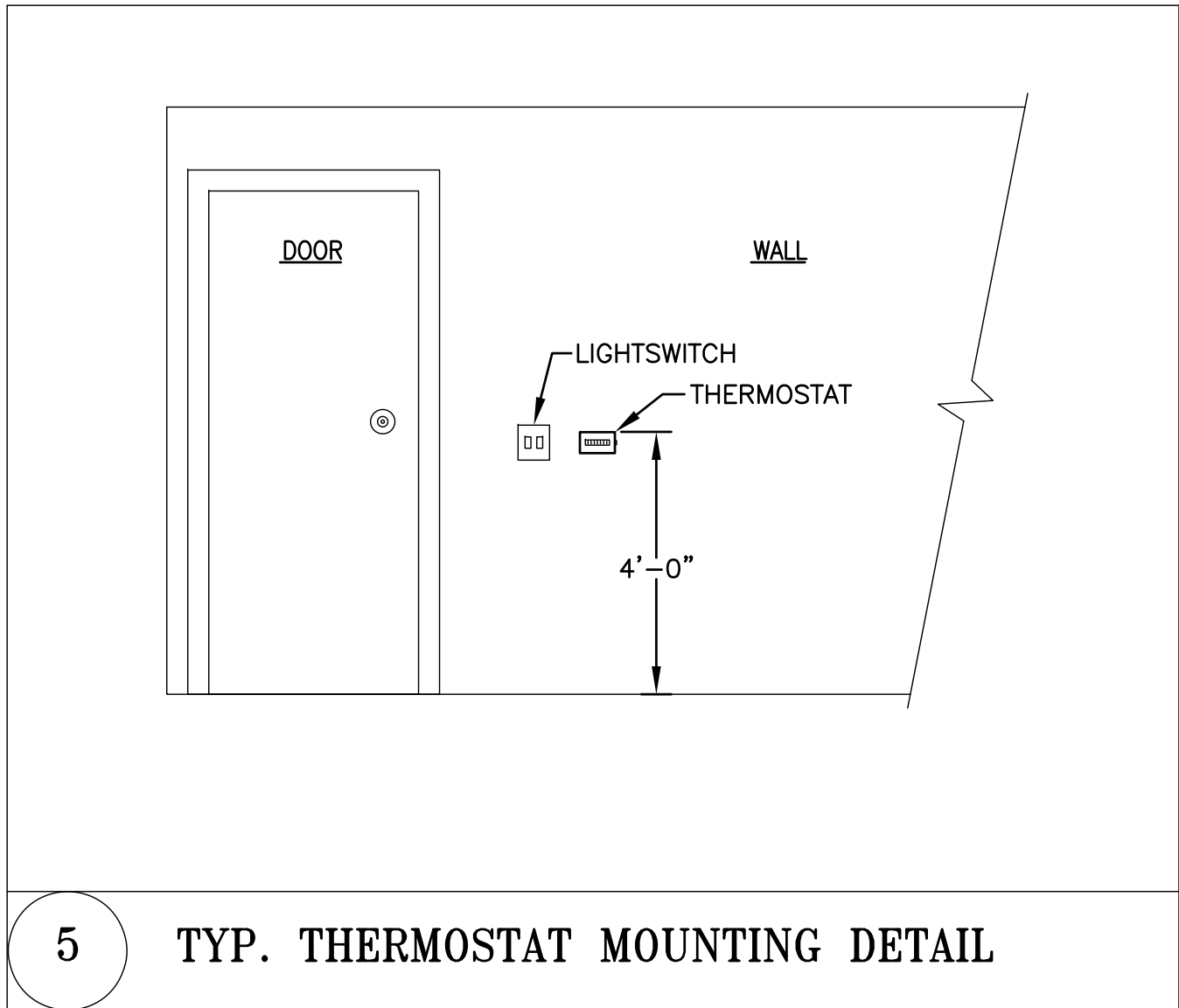
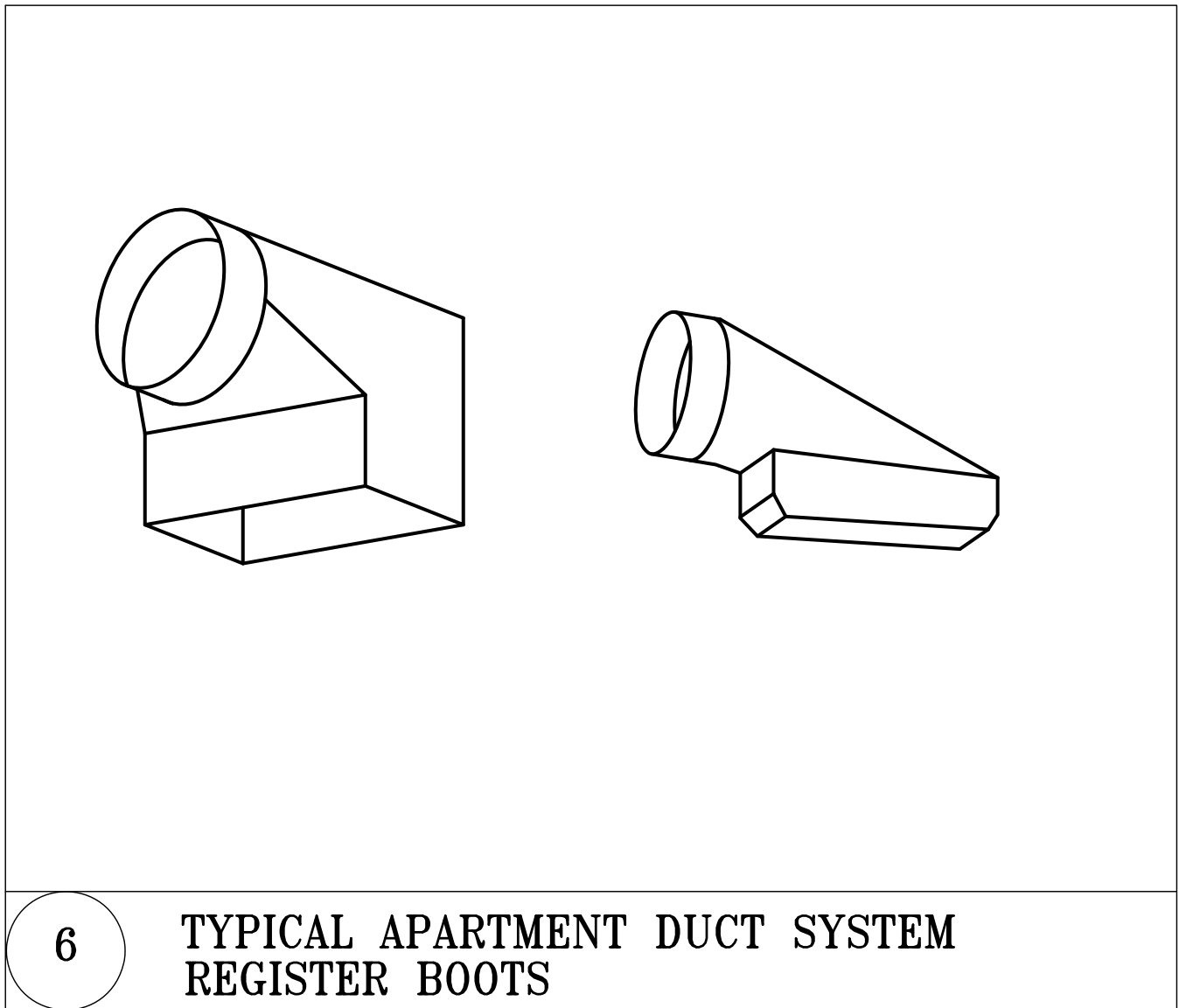
DATE: Permit 06/19/20

SHEET NAME:

MECHANICAL
SCHEDULES

SHEET #:

M007



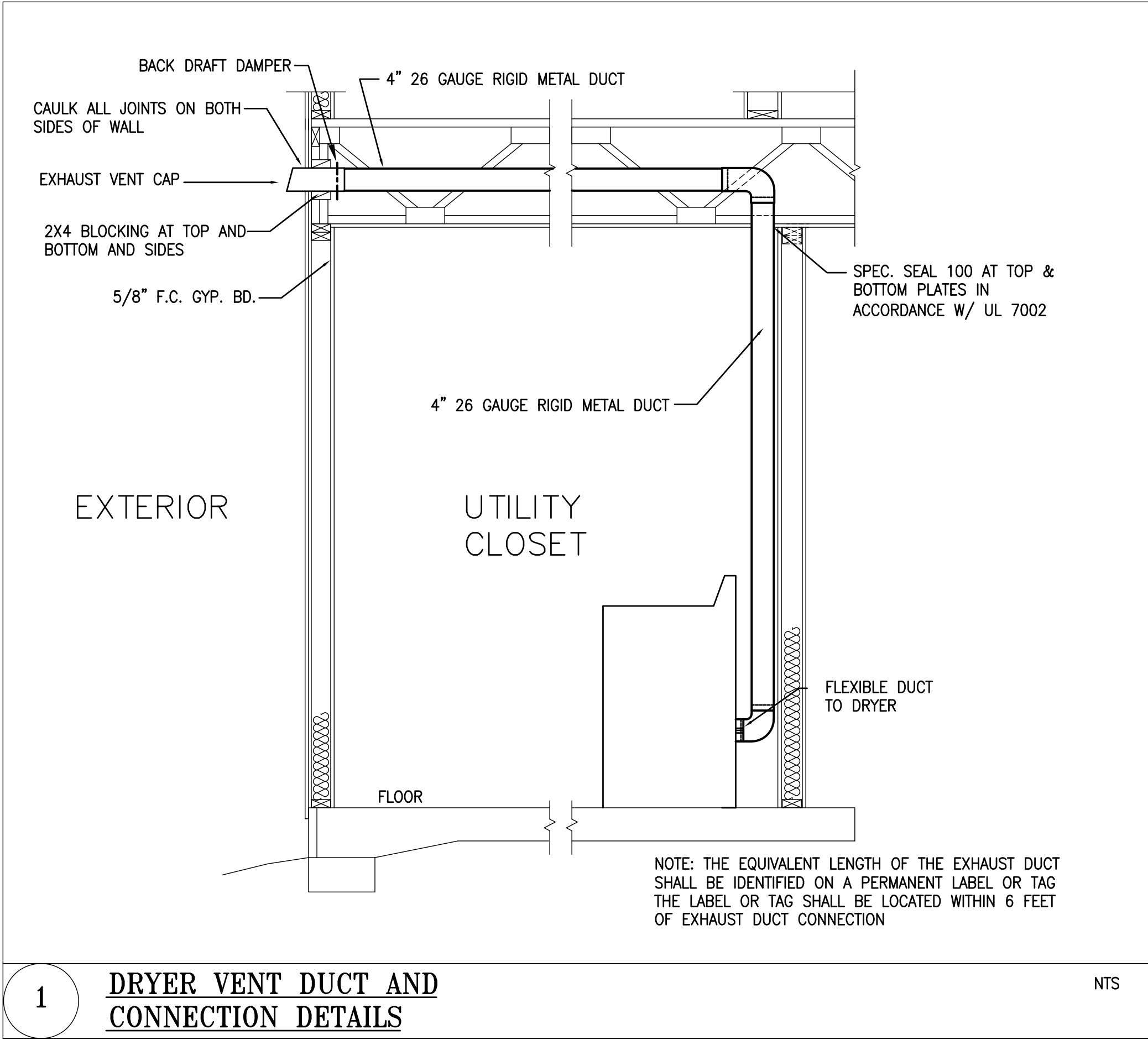
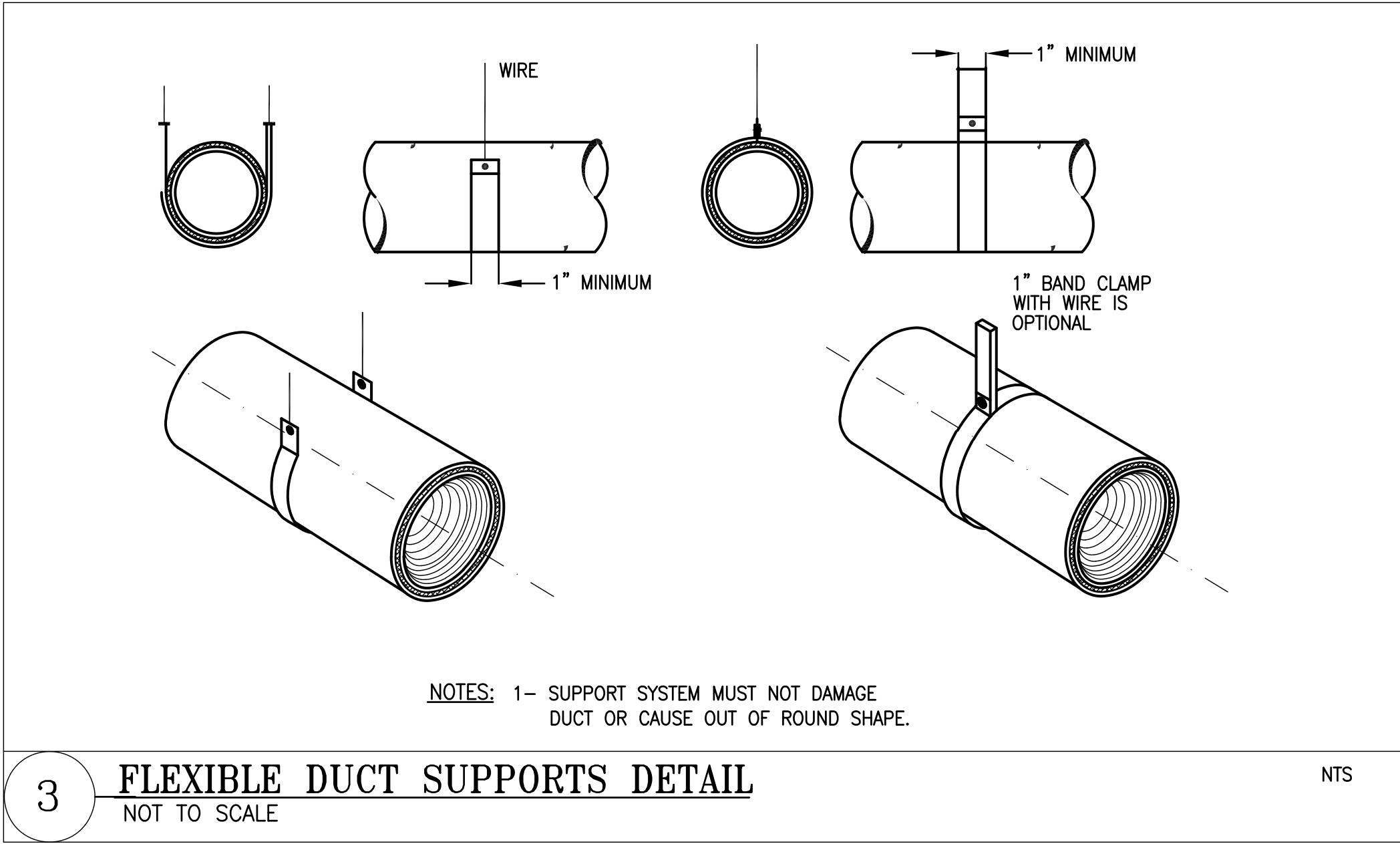
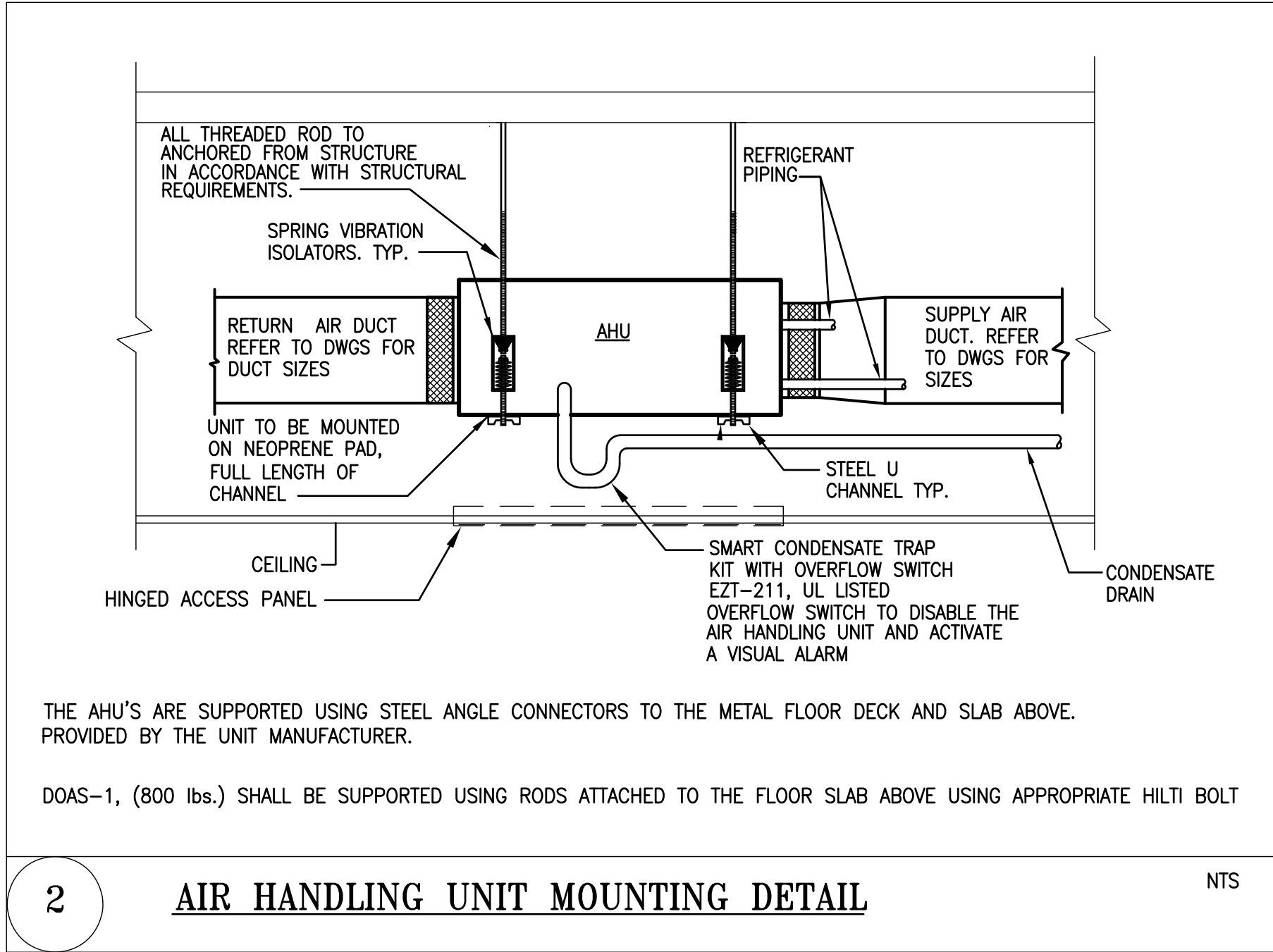
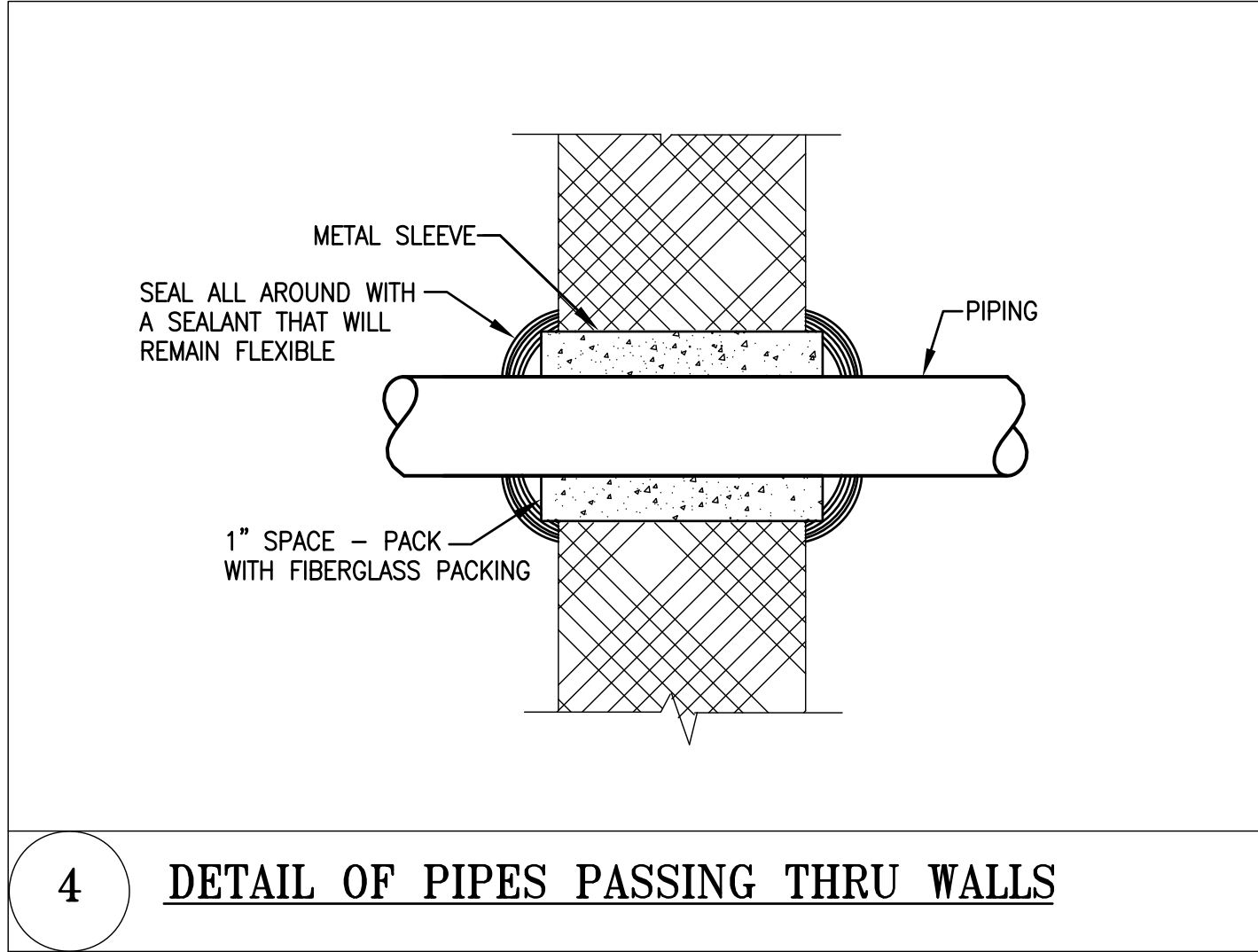
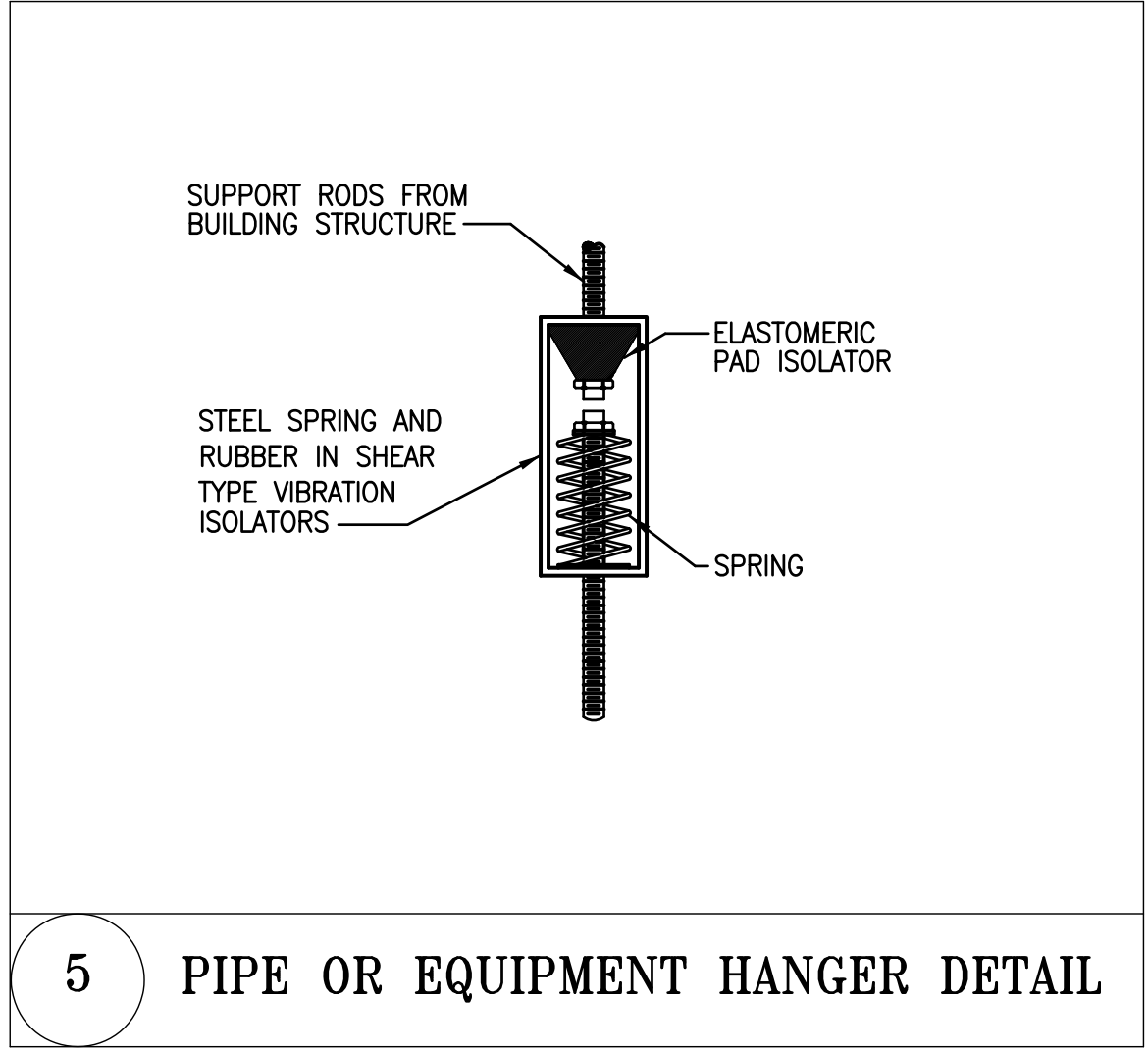
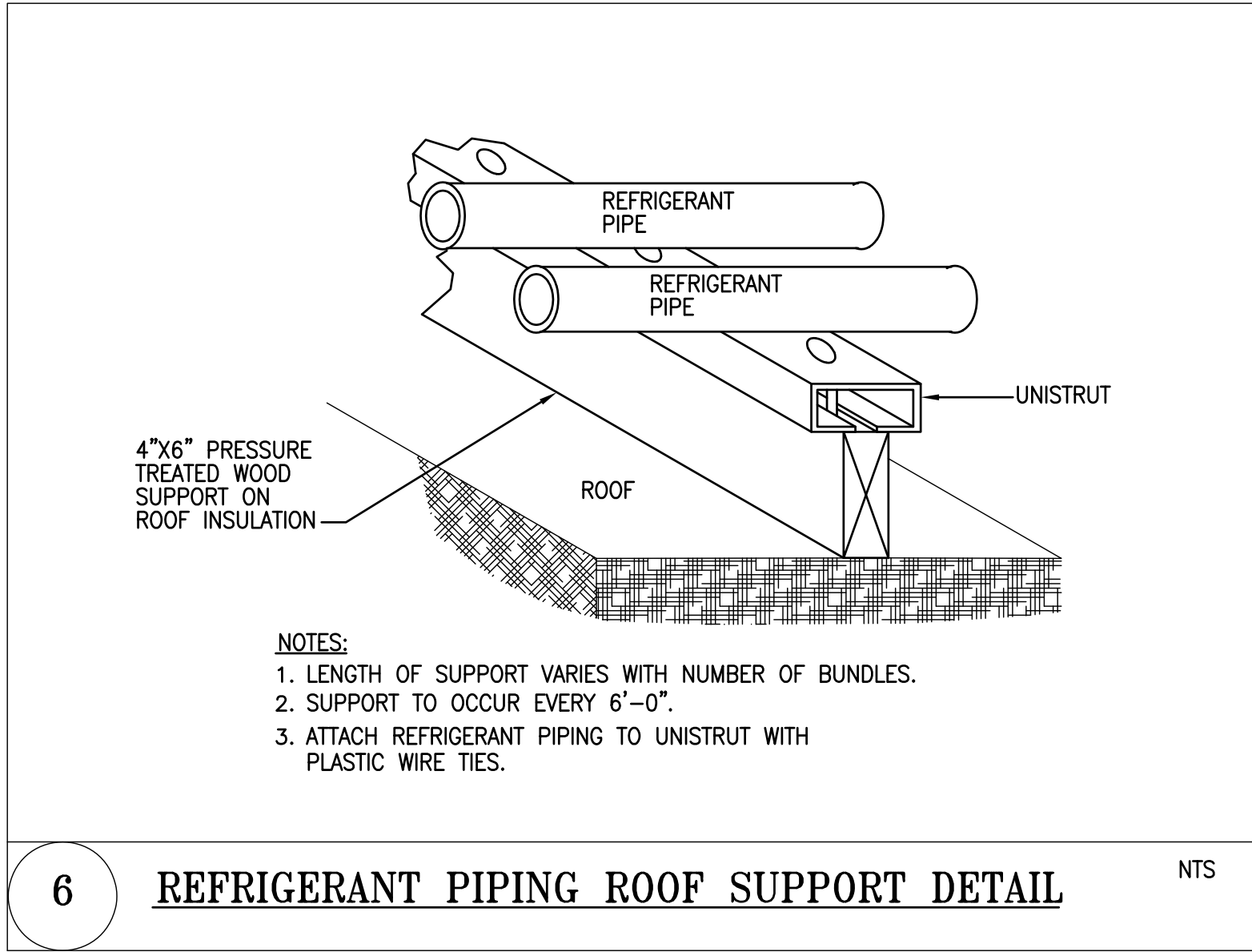
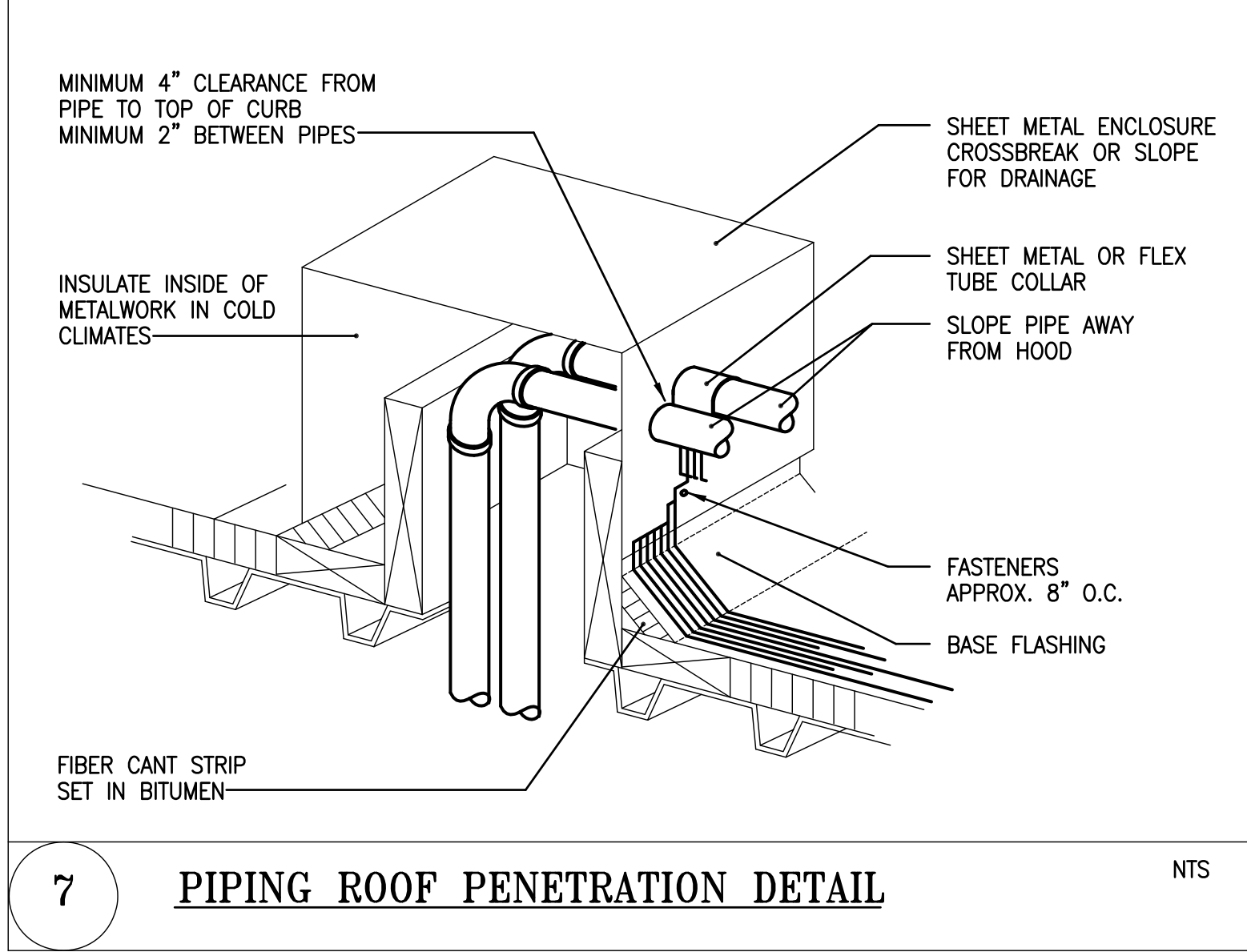
REVISIONS:	
△	Comments 07/29/20
△	Comments 08/04/20
△	Final Set 08/10/20
△	
△	
△	

DATE: Permit 06/19/20

SHEET NAME:
MECHANICAL
DETAILS

SHEET #:

M008

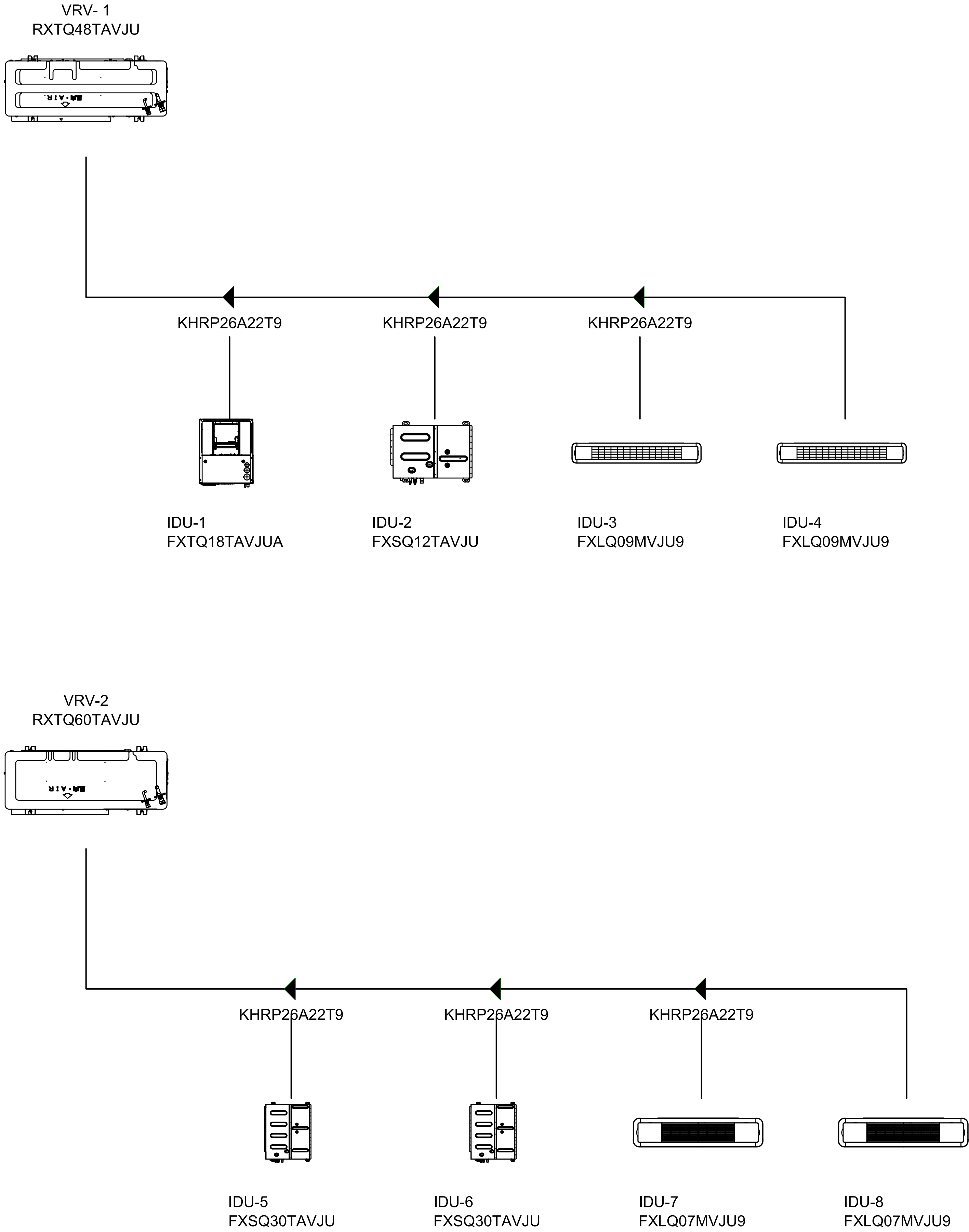


REVISIONS:		
△	Comments	07/29/20
△	Comments	08/04/20
△	Final Set	08/10/20
△		
△		
△		

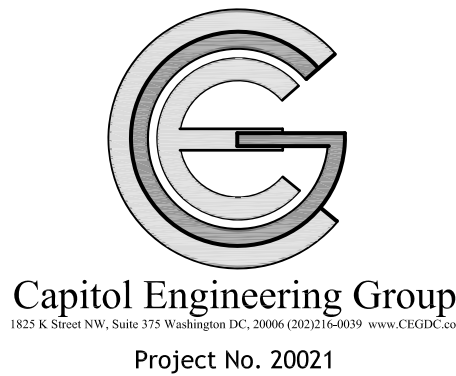
DATE: Permit 06/19/20

SHEET NAME:
MECHANICAL
DETAILS

SHEET #:



VRF SYSTEM - SCHEMATIC DIAGRAM



Atelier Mjk

ATELIER Mjk
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)–643–3995



LATVIAN EMBASSY
2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:	
△	Comments 07/29/20
△	Comments 08/04/20
△	Final Set 08/10/20
△	
△	
△	

DATE: Permit 06/19/20

SHEET NAME:
MECHANICAL
VRF DIAGRAM

SHEET #:
M010

PLUMBING

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE GOVERNING D.C. CODES AND REGULATIONS. WHERE ANY PORTION OF THE SYSTEM SHOWN IS NOT IN ACCORDANCE WITH ALL APPLICABLE LAWS, ORDINANCES, REGULATIONS OR CODES, THIS CONTRACTOR SHALL MAKE ALL CHANGES REQUIRED BY THE ENFORCING AUTHORITIES IN A MANNER APPROVED BY THE ENGINEER AND AT NO ADDITIONAL COST TO THE OWNER.
2. THIS CONTRACTOR SHALL ORDER AND OBTAIN ALL NECESSARY TESTS REQUIRED BY THE LOCAL A.H.J. PERMITS AND CERTIFICATES OF APPROVAL AND PAY ANY REQUIRED FEES FOR IT.
3. ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL EQUIPMENT, FIXTURES AND MATERIALS SHALL BE NEW AND SHALL BE INSTALLED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
4. EQUIPMENT CAPACITIES AND MANUFACTURER MODEL NUMBERS ARE INDICATED ON THE DRAWINGS.
5. ALL EQUIPMENT REQUIRING ELECTRIC POWER SHALL BE SUITED FOR USE WITH THE POWER TO BE SUPPLIED. SEE ELECTRICAL DRAWINGS. ALL ELECTRICAL REQUIREMENTS SHALL BE COORDINATED WITH THE ELECTRICAL CONTRACTOR.
6. THIS CONTRACTOR SHALL COORDINATE ALL HIS WORK WITH THE GENERAL CONTRACTOR FOR THE EXACT LOCATION OF CHASES, FURRING SPACES, DROPPED CEILINGS, STRUCTURE PENETRATIONS, PAINTING, ETC.
7. THIS CONTRACTOR SHALL INSTRUCT THE OWNER IN THE OPERATION AND MAINTENANCE OF ALL COMPONENTS OF THE INSTALLATION. A ONE YEAR SERVICE CONTRACT SHALL BE INCLUDED AS PART OF THIS WORK.
8. AFTER SLAB IS IN PLACE, CORE DRILLING SHALL NOT BE DONE UNTIL THE AREA TO BE DRILLED IS X-RAYED AND WRITTEN APPROVAL IS OBTAINED FROM THE PROJECT STRUCTURAL ENGINEER AND OWNER.

BASIC MATERIALS AND METHODS

1. ALL PIPING CONNECTIONS TO EQUIPMENT SHALL BE MADE WITH GROUND JOINT UNIONS.
2. PIPE HANGER AND SUPPORTS: CLEVIS OR SPLIT RING TYPE SPACING AND ROD SIZE AS RECOMMENDED IN MSSSP-69, MECHANICAL CODE AND IN ACCORDANCE WITH INDUSTRY PRACTICE. SELECT TO FIT AROUND BARE PIPE OR AROUND INSULATION WITH INSULATION SADDLE/SHIELD FOR INSULATED PIPING. HANGERS FOR COPPER PIPE SHALL BE COPPER OR COPPER PLATED. BAND IRON HANGERS SHALL NOT BE USED. HANGERS AND ACCESSORIES SHALL BE F&M CORPORATION OR APPROVED EQUAL.
3. PIPE SUPPORTS: SUPPORTS TO BE PROVIDED IN ACCORDANCE WITH APPLICABLE CODES AND IN ACCORDANCE WITH INDUSTRY PRACTICE. STEEL RISER CLAMPS WITH PLASTIC COATING OR COPPER PLATED OR COPPER PIPES. F & M CORPORATION OR EQUAL.

PIPING SPECIALTIES

1. PROVIDE FACTORY FABRICATED PIPING SPECIALTIES OF TYPES RECOMMENDED BY MANUFACTURERS FOR SERVICES INDICATED.
2. PROVIDE ESCUTCHEON PLATES WHEREVER PIPES PASS THROUGH WALLS, FLOORS OR CEILINGS, OUTSIDE DIAMETER TO COVER COMPLETELY PIPE PENETRATION HOLE OR PIPING SLEEVE, NICKEL OR CHROME FINISH FOR EXPOSED AREAS, PRIME PAINT FINISH FOR CONCEALED AREAS.
3. UNIONS: PROVIDE DIELECTRIC UNIONS AT CONNECTIONS BETWEEN FERROUS AND NON-FERROUS PIPING. EPCO, STOCKHAM OR EQUAL.
4. PROVIDE FLOAT-TYPE BACKWATER VALVE FOR EACH AREA DRAIN CONNECTED TO THE STORM DRAINAGE SYSTEM.

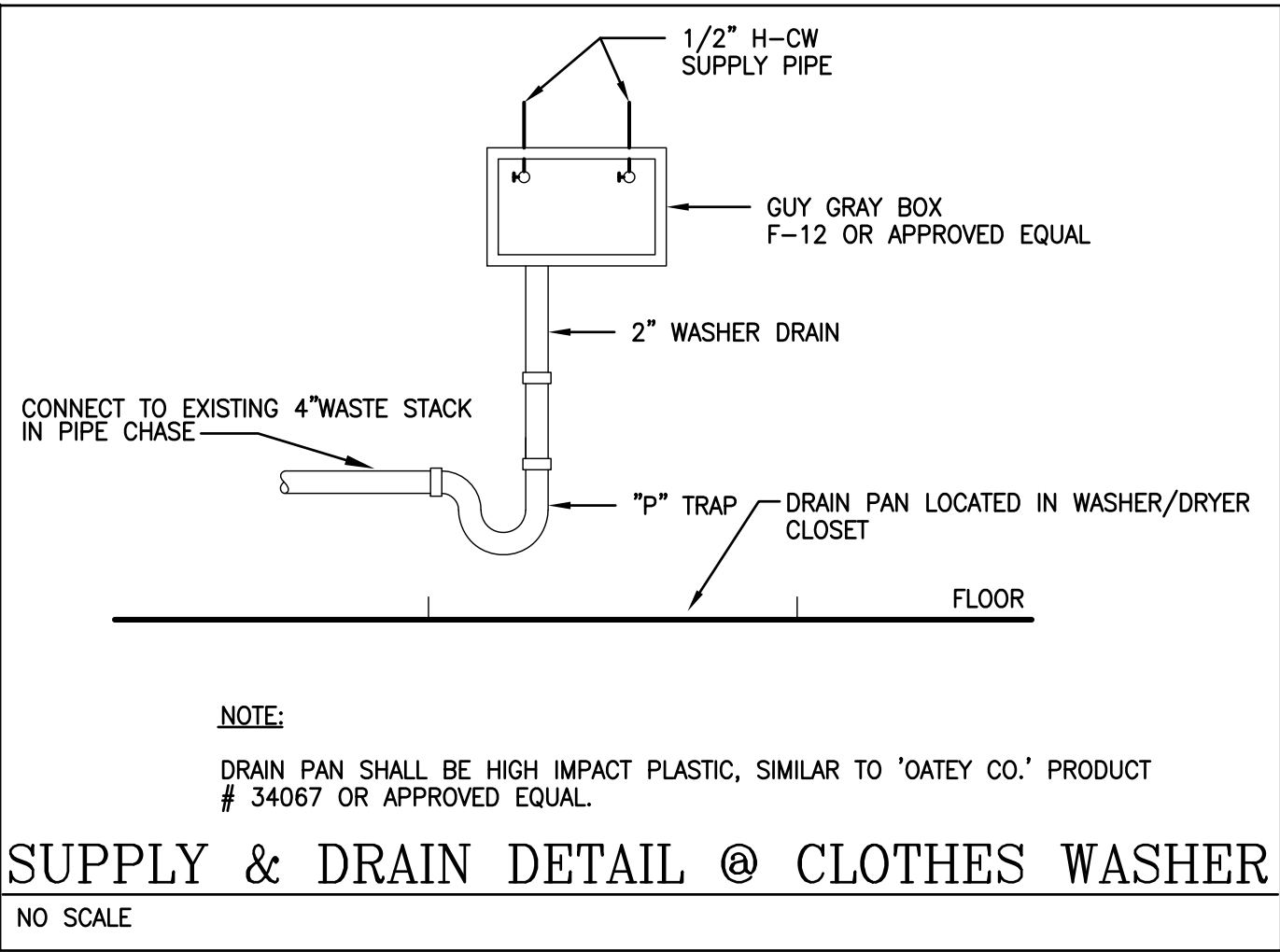
INSULATION

1. PROVIDE INSULATION FOR PIPING, AND EQUIPMENT OF TYPES AND THICKNESS SPECIFIED HEREIN. INSULATION SHALL HAVE A FLAME SPREAD RATING NOT EXCEEDING 25 AND A SMOKE DEVELOPED RATING NOT EXCEEDING 50. INSTALL INSULATION IN STRICT CONFORMANCE WITH THE MANUFACTURERS RECOMMENDATIONS. A CONTINUOUS VAPOR BARRIER SHALL BE PROVIDED ON ALL COLD WATER PIPING AND COLD AIR DUCTWORK. INSULATION SHALL BE ARMSTRONG, CERTAINTED, OWENS-CORNING OR JOHNS-MANVILLE.
2. FLEXIBLE ELASTOMERIC THERMAL INSULATION, SUCH AS ARMSTRONG ARMAFLEX II.
3. FOR THE SERVICES INDICATED USE INSULATION THICKNESSES AND TYPES AS FOLLOWS:
 - a. DOMESTIC COLD WATER PIPING MAINS OF 2" DIA. OR LESS - 1/2" THICK.
 - b. DOMESTIC COLD WATER PIPE OF >2" DIA. - 1" THICK
 - c. DOMESTIC HOT WATER MAINS AND RECIRCULATING PIPES - 1-1/2" THICK.

4. INSULATE ALL ROOF DRAIN BODIES WITH 1" THICK JOHNS MANVILLE MICRO-FLEX OR EQUAL, AND HORIZONTAL STORM PIPING WITHIN FINISHED AREAS OR ABOVE FINISHED CEILINGS WITH 1/2" THICK JOHNS MANVILLE MICRO-LOK FIBER GLASS PIPE INSULATION OR EQUAL.

PIPING

1. INSTALL PIPE TUBE AND FITTINGS IN ACCORDANCE WITH INDUSTRY PRACTICE WHICH WILL ACHIEVE PERMANENTLY LEAKPROOF PIPING SYSTEMS, CAPABLE OF PERFORMING EACH INDICATED SERVICE WITHOUT PIPING FAILURE. TEST PIPING FOR LEAKAGE. REPAIR PIPING SYSTEMS SECTIONS WHICH FAIL TEST BY DISASSEMBLY AND RE-INSTALLATION, USING NEW MATERIALS TO THE EXTENT REQUIRED TO OVERCOME LEAKAGE. UNDER NO CIRCUMSTANCES USE CHEMICALS, STOP-LEAK COMPOUNDS, MASTICS, TAPES OR OTHER TEMPORARY REPAIR METHODS.
2. ALL SANITARY PIPING SHALL BE SLOPED AS NOTED ON PLANS. WHERE NOT NOTED, SLOPE PIPING AT MINIMUM REQUIRED BY CODE.
3. ALL PIPING SHOWN ON THE FLOOR PLANS SHALL BE LOCATED ABOVE THE CEILING OR INSIDE CHASES UNLESS OTHERWISE NOTED.
4. STORM, WASTE AND VENT PIPING SHALL BE SERVICE WEIGHT NO-HUB CAST IRON PIPE AND FITTINGS CISPI 301, HUB & SPIGOT SOIL PIPE AND FITTINGS ASTM A-74, GALVANIZED STEEL PIPE WITH DRAINAGE PATTERN SCREWED GALVANIZED CAST IRON FITTINGS ANSI/ASTM A-74 OR DWV COPPER WITH WROUGHT COPPER FITTINGS, ASTM B306. OR SCHEDULE 40 PVC.
5. DOMESTIC WATER DISTRIBUTION PIPING SHALL BE CPVC WITHIN THE UNITS AND THE DISTRIBUTION WATER MAINS FROM THE WATER SERVICE ROOM TO BUILDING MAY BE CPVC WHERE ALLOWED BY CODE.



CLEANOUTS:

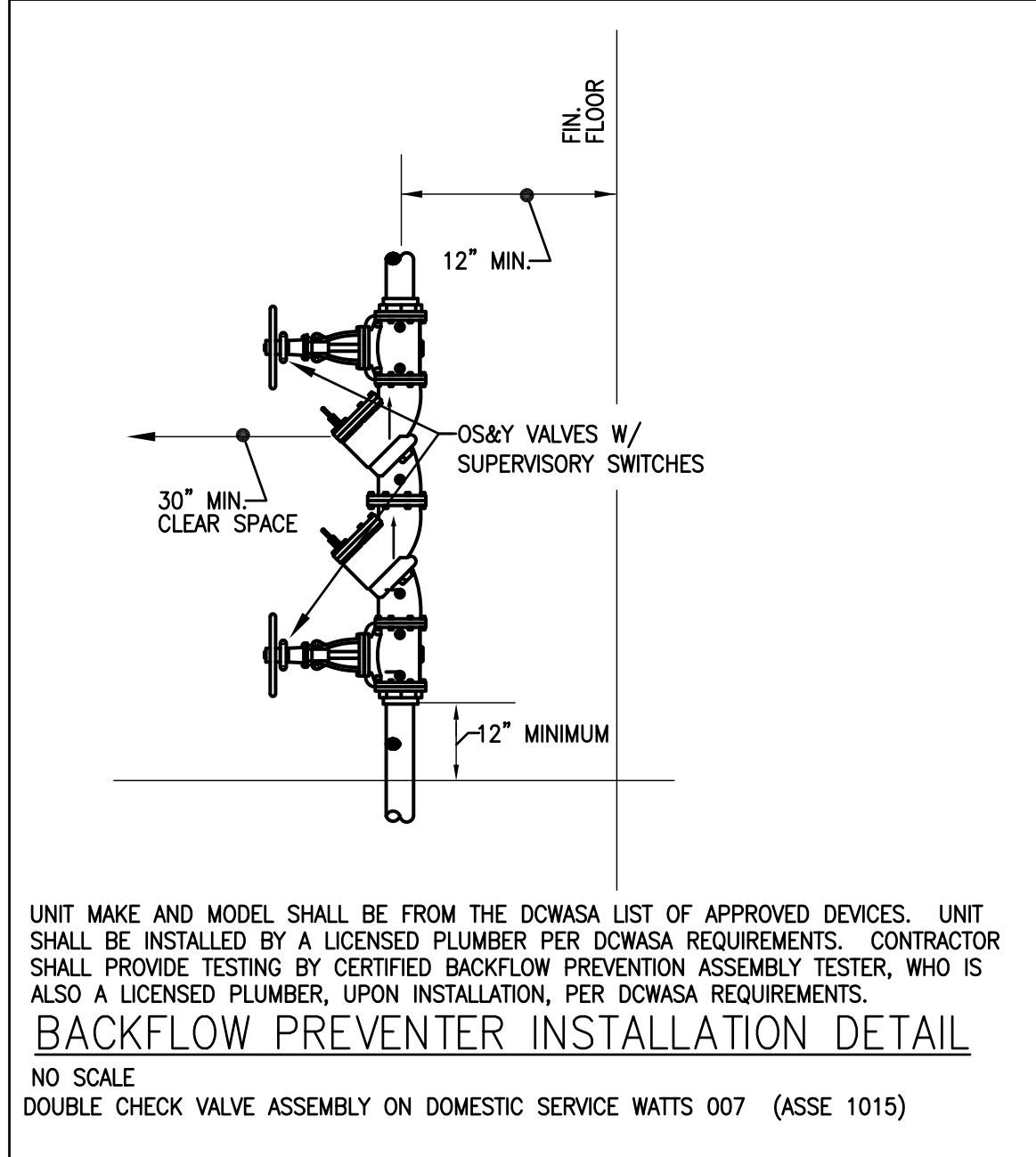
1. CLEANOUTS SHALL BE INSTALLED NOT MORE THAN 50 FT. APART IN HORIZONTAL DRAINAGE LINES. A CLEANOUT SHALL BE PROVIDED AT THE BASE OF EACH VERTICAL WASTE, SOIL STACK, OR RAINLEADER. THERE SHALL BE A CLEANOUT AT THE JUNCTION OF THE SANITARY BUILDING DRAINS AND BUILDING SEWERS, AND THE STORM AND BUILDING SEWERS.
2. CLEANOUTS ON CONCEALED PIPING SHALL BE EXTENDED THROUGH AND TERMINATE FLUSH WITH THE FINISHED WALL OR FLOOR WITH ACCESS COVER OF SUFFICIENT SIZE TO PERMIT REMOVAL OF THE CLEANOUT PLUG. CLEANOUTS SHALL NOT BE INSTALLED IN AREAS OF FLOORS TO RECEIVE TERRAZZO, CERAMIC TILE OR STONE FINISH.
3. CLEANOUTS SHALL BE INSTALLED SO THAT THE CLEANOUT OPENS IN THE DIRECTION OF THE DRAINAGE LINE OR AT RIGHT ANGLES THERETO.
4. CLEANOUTS SHALL BE OF THE SAME NOMINAL SIZE AS THE PIPES THEY SERVE UP TO 4" AND NOT LESS THAN ONE NOMINAL PIPE SIZE SMALLER FOR LARGER PIPE.
5. A FIXTURE TRAP OR A FIXTURE WITH INTEGRAL TRAP, READILY REMOVABLE WITHOUT DISTURBING CONCEALED PIPING, MAY BE ACCEPTED AS A CLEANOUT EQUIVALENT.
6. CLEANOUTS SHALL BE " ZURN", "JAY R. SMITH", "WADE", OR "JOSAM".
 - A. EXPOSED CONCRETE FLOOR: Z-1400-HB
 - B. KITCHEN FLOORS: ZN-1400
 - C. TILE FLOORS: ZN-1400-X
 - D. CARPETED FLOORS: ZN-1400-CM
 - E. FINISHED FLOORS: ZN-1400
 - F. FINISHED WALLS: Z-1445-1468 ACCESS COVER AND PLUG.
 - G. EXPOSED PIPING: Z-1445
 - H. EXTERIOR (CONCRETE): Z-1449

VALVES

1. GATE VALVES, 2-INCH AND SMALLER: MSS SP-80; CLASS 125, BODY AND BONNET OF ASTM B2 CAST BRONZE, WITH THREADED OR SOLDER ENDS, SOLID DISC, COPPER-SILICON ALLOY STEM, BRASS PACKING GLAND, "TEFLON" IMPREGNATED PACKING, AND MALLEABLE IRON HANDWHEEL. PROVIDE CLASS 150 VALVES MEETING THE ABOVE AND MALLEABLE IRON HANDWHEEL. PROVIDE CLASS 150 VALVES MEETING THE ABOVE WHERE SYSTEM PRESSURE REQUIRES. DO NOT USE SOLDER END VALVES FOR HOT WATER HEATING OR STEAM PIPING APPLICATIONS.
2. BALL VALVES: 2-PIECE, BRONZE BODY, BLOW-OUT PROOF STEM, METAL BALL, TEFLON SEAL RING, SCREWED OR SOLDERED ENDS, 400 LB. WOG. NIBCO OR STOCKHAM.
3. PROVIDE VALVES FOR THE FOLLOWING SERVICES:
 - a. DOMESTIC WATER 1" AND LARGER - GATE VALVE
 - b. DOMESTIC WATER SMALLER THAN 1" - BALL VALVE
4. LOCATE VALVES IN ACCESSIBLE LOCATIONS WHEREVER POSSIBLE, ABOVE SUSPENDED CEILINGS ETC. IF LOCATED ABOVE OR BEHIND DRYWALL CEILINGS OR WALLS, PROVIDE STEEL ACCESS PANELS DIRECTLY IN FRONT OF VALVES. LOCATION MUST BE COORDINATED AND APPROVED BY ARCHITECT PRIOR TO INSTALLATION OF PIPING SYSTEM.

FIXTURES

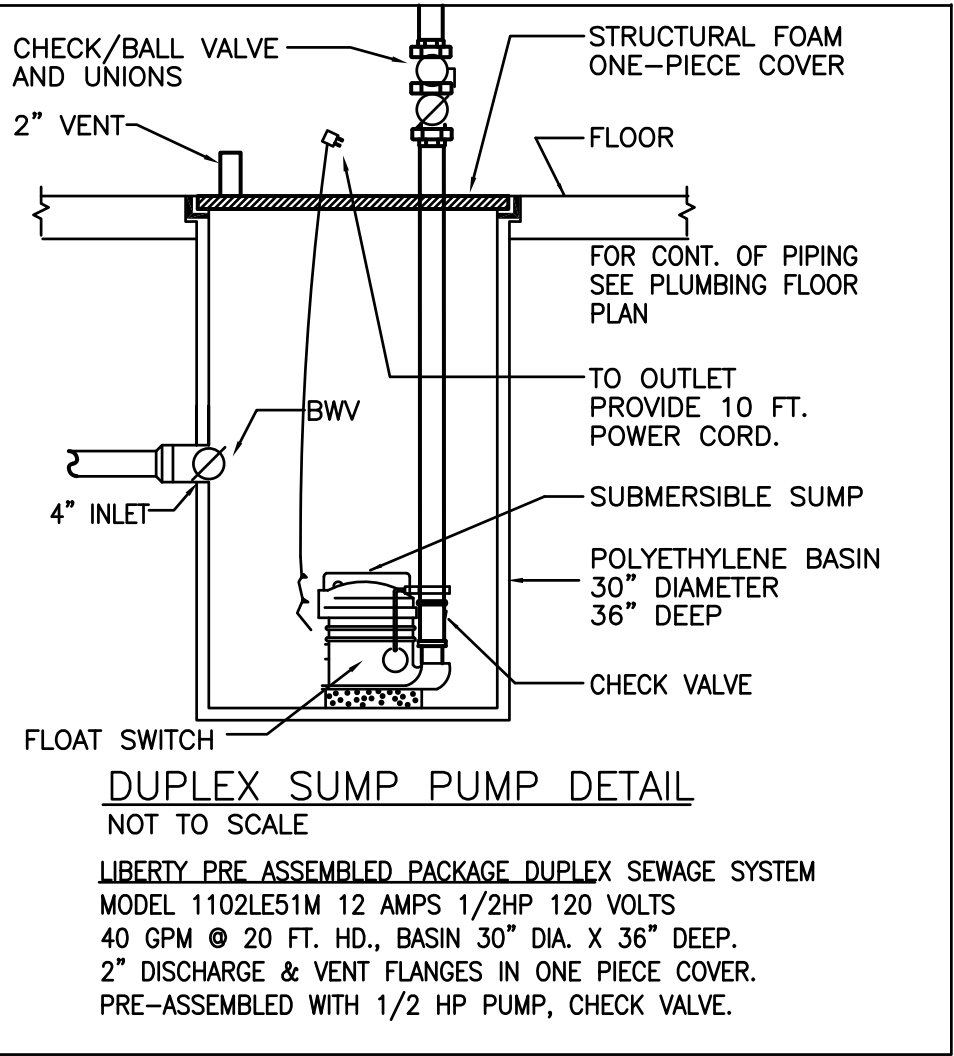
1. FIXTURES, FITTINGS, TRIM AND ACCESSORIES SHALL BE SAME MANUFACTURERS TO THE EXTENT POSSIBLE.
2. BARRIER FREE STANDARDS: COMPLY WITH APPLICABLE ANSI STANDARDS PERTAINING TO PLUMBING FIXTURES AND SYSTEMS INCLUDING ANSI A 117.1 STANDARD PERTAINING TO PLUMBING FIXTURES FOR THE HANDICAPPED. COMPLY WITH THE REQUIREMENTS OF THE "AMERICANS WITH DISABILITIES ACT". FIXTURES DESIGNATED BARRIER FREE ARE INTENDED TO BE "USABLE BY PHYSICALLY HANDICAPPED PEOPLE". FIXTURES FOR USE BY HANDICAPPED PEOPLE SHALL BE INSTALLED IN ACCORDANCE WITH ANSI A 117.1.
3. ENERGY CONSERVATION CODE COMPLIANCE: COMPLY WITH LOCAL AUTHORITY STANDARDS FOR PLUMBING FIXTURE FLOW CONTROLS. WHERE NO CODE OR STANDARD IS IN USE, USE THE CURRENT D.C. BASIC ENERGY CONSERVATION CODE. WHEN A SPECIFIED DEVICE IS MORE RESTRICTIVE THAN THE LOCAL STANDARDS, THE SPECIFIED DEVICE SHALL BE INSTALLED EXCEPT WHERE PROHIBITED.
4. SUBMIT MANUFACTURER'S SPECIFICATIONS FOR PLUMBING FIXTURES AND TRIM, INCLUDING CATALOG LITERATURE AND MANUFACTURER'S NAME OF EACH FIXTURE TYPE AND TRIM ITEM FURNISHED, ROUGHING-IN DIMENSIONED DRAWINGS, FIXTURE CARRIERS, AND INSTALLATION INSTRUCTIONS. PROPOSED SUBSTITUTIONS SHALL BE INDICATED AND DRAWINGS, CATALOG LITERATURE, OR OTHER DATA SHALL BE FURNISHED FOR COMPARISON.
5. FIXTURES SHALL BE WHITE EXCEPT WHERE INDICATED OTHERWISE OR WHERE FIXTURE IS PROVIDED IN A MANUFACTURED FINISH.
6. EXPOSED METAL FITTINGS, TRIM, AND ACCESSORIES SHALL HAVE POLISHED CHROME PLATED FINISH.
7. SUPPLIES: PROVIDE A STOP ON EACH WATER SUPPLY TO EACH FIXTURE. PROVIDE ACCESS PANELS FOR CONCEALED STOPS.
8. TRAPS: PROVIDE A TRAP ON EACH FIXTURE, EXCEPT WHERE FIXTURE SPILLS OVER A PROPERLY TRAPPED DRAIN OR OTHER RECEPTOR. ALL SINK AND LAVATORY TRAPS SHALL BE CHROME PLATED CAST BRASS SWIVEL PATTERN WITH CLEANOUT. ALL TUBING DRAINS SHALL BE MINIMUM 17 GAUGE THICKNESS CHROME PLATED METAL.
9. ESCUTCHEONS: PROVIDE DEEP PATTERN ESCUTCHEONS FOR SUPPLIES AND TRAPS WHERE ROUGH-IN PIPING WOULD BE VISIBLE USING STANDARD ESCUTCHEONS.
10. INSULATION: PROVIDE INSULATING KITS, TRUBRO OR EQUAL, FOR ALL LAVATORIES AND SINKS THAT ARE DESIGNATED FOR ADA ACCESSIBILITY (BARRIER FREE). KITS SHALL COVER ALL EXPOSED PIPING WITHIN KNEESPACE.



PLUMBING FIXTURE CONNECTION SCHEDULE						
ITEM	DESCRIPTION	WASTE	VENT	H.W.	C.W.	REMARKS
WC	WATER CLOSET	4"	2"	----	1/2"	FLOOR MOUNTED/TANK TYPE
LAV	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	VANITY
BT	BATH TUB	1-1/2	1-1/2	1/2"	1/2"	
KS	KITCHEN SINK	1-1/2"	1-1/2"	1/2"	1/2"	COUNTER TOP, WITH DW AND DISPOSER
SK	SINK	1-1/2"	1-1/2"	1/2"	1/2"	COUNTER TOP
DW	DISHWASHER	1"	1"	1/2"	----	DRAIN HOSE TO SINK
CW	WASHER MACHINE BOX	2"	1-1/2"	1/2"	1/2"	
HB	WALL HYDRANT	---	---	---	3/4"	FROST PROOF, LOOSE KEY
FLD	FLOOR DRAIN	2"	1-1/2"	----	----	ZURN # Z-415
AD	AREA DRAIN	3"	1-1/2"	----	----	ZURN # Z-504
OSD	OPEN SITE DRAIN	3"	1-1/2"	----	----	Z400 TYPE 1" ROUND STRAINER RAISED UP

PLUMBING FIXTURES:
SEE ARCHITECTS DRAWINGS FOR PLUMBING FIXTURE SPECIFICATIONS.

PLUMBING LEGEND		
THIS LEGEND IS A MASTER OF PLUMBING SYMBOLS AND IS NOT INTENDED TO BE A SPECIFICATION OF PRODUCTS FOR THIS PROJECT		
SYMBOL	DESCRIPTION	ABBREV.
---	SOIL/WASTE PIPE	SP/WP
---	STORM PIPE	ST
---	VENT PIPE	VP
---	COLD WATER PIPE	CW
---	HOT WATER PIPE	HW
---	HOT WATER CIRCULATING PIPE	HWC
---	GAS PIPE	G
---	FIRE PROTECTION PIPE	F
---	GATE VALVE/BALL VALVE	
---	OUTSIDE SCREW AND YOKE VALVE	OS&Y
---	CHECK VALVE	
---	GAS COCK	
---	BALANCING VALVE	
---	UNION	
---	REDUCED PRESSURE BACKFLOW PREVENTER	RPZBFP
---	DOUBLE CHECK VALVE ASSEMBLY BACKFLOW PREVENTER	BFP
---	PRESSURE REDUCING VALVE	PRV
---	CLEANOUTS	CO
---	SHOCK ABSORBER	SA
---	FIRE DEPARTMENT CONNECTION	FDC
---	WALL HYDRANT/HOSE BIBB	WH/HB
---	SOIL STACK	S
---	WATER RISER	W
---	FIRE STANDPIPE/RISER	F
---	GAS RISER	G
---	FLOOR DRAIN	FLD
---	FLOOR SINK	FLS
---	ROOF DRAIN	RD
---	EMERGENCY OVERFLOW DRAIN	OFL
---	DOWNSPOUT BOOT	DSB
---	VENT THRU ROOF	VTR
---	OPEN DRAIN	OD
---	SIDEWALL SPRINKLER	SPKR
---	PENDANT SPRINKLER	SPKR
---	UPRIGHT SPRINKLER	SPKR
---	DOWNSPOUT NOZZLE	
---	PIPING FROM ABOVE	FA
---	PIPING FROM BELOW	FB
---	PIPE UP	UP
---	PIPE DOWN	DN



EQUIPMENT SCHEDULE

WATER HEATER WH-1
SERVES: RESIDENTIAL TOWNHOUSE
CAPACITY: 80 GALLON W/21 GPH
90°F RECOVERY
ELECTRIC: 4.5 KW ELEMENT, 208V-1PH
14.4 AMPS PER ELEMENT
MANUFACTURER: A.O. SMITH
MODEL: EGR-80

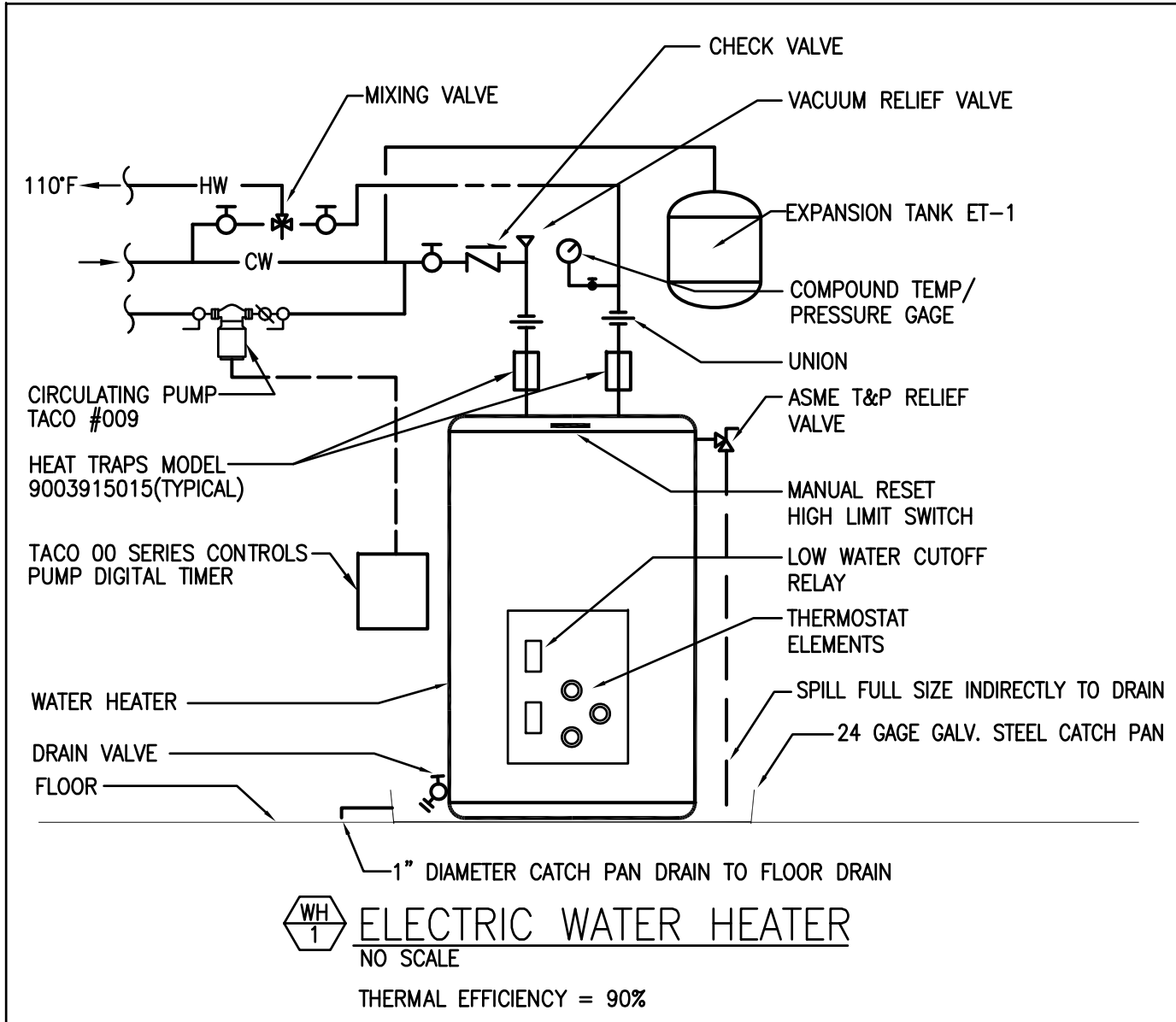
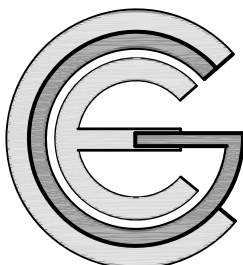
NOTE:

- * PROVIDE CATCH PAN

EXPANSION TANK ET-1
MAX. WORKING PRESSURE:
TOTAL VOLUME: 3.2 GALLONS
MAXIMUM ACCEPTANCE FACTOR:
MANUFACTURER: AMTROL
MODEL: ST-8

MIXING VALVE

SERVES: RESIDENTIAL UNITS
FLOW 10GPM
CONNECTION: 3/4"
PROVIDE CHECK VALVE ON COLD WATER SIDE
MODEL AM101C
MANUFACTURER: SPARCO
NOTE: SET OUTLET TEMPERATURE TO 110°F



Capitol Engineering Group
1822 K Street NW, Suite 770 Washington DC, 20006 (202) 221-0870 www.CEGG.com
Project No. 20021

Atelier Mjk

ATELIER Mjk
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995



LATVIAN EMBASSY
2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△	Comments	07/29/20
△	Comments	08/04/20
△	Final Set	08/10/20
△		
△		
△		

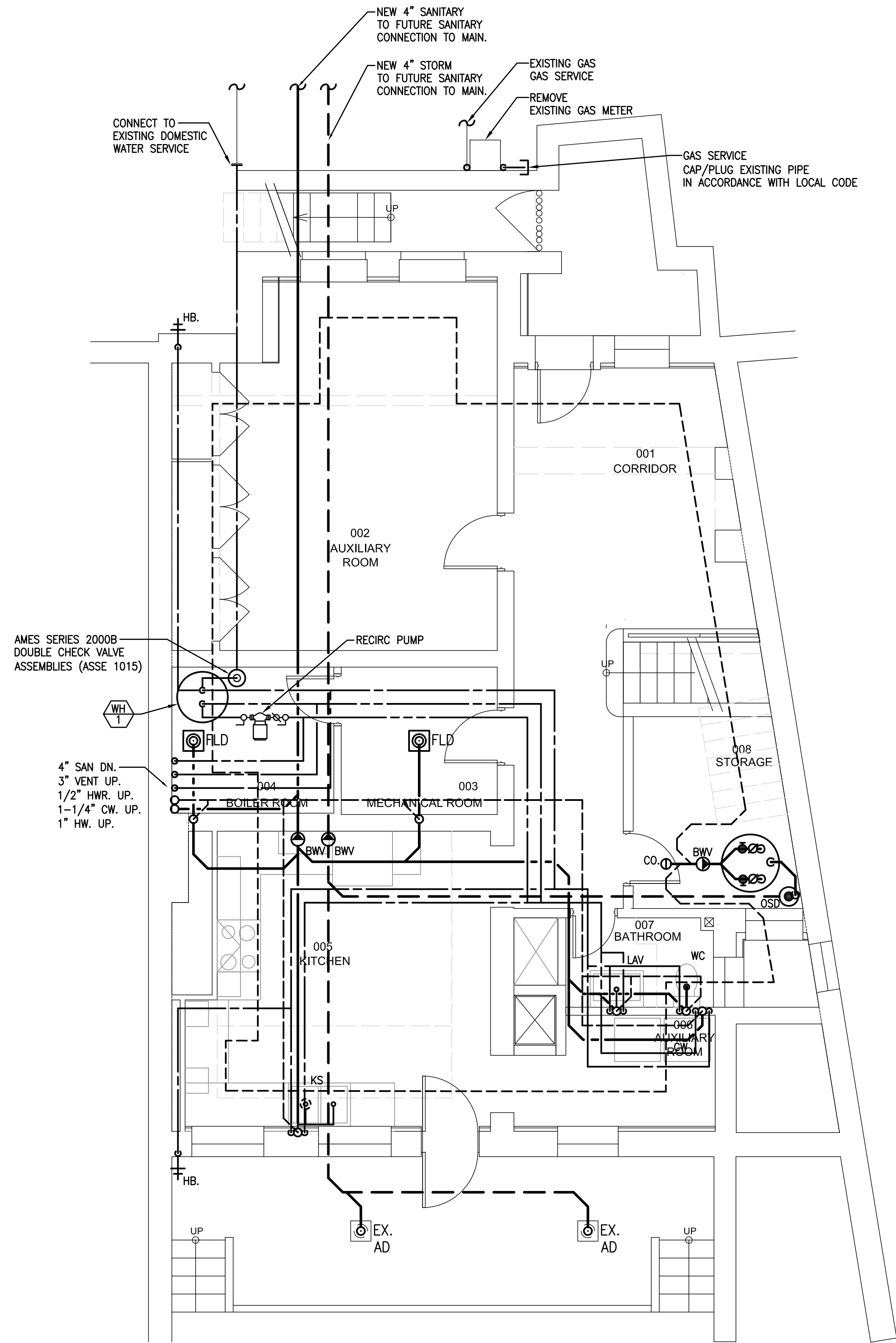
DATE: Permit 06/19/20

SHEET NAME:

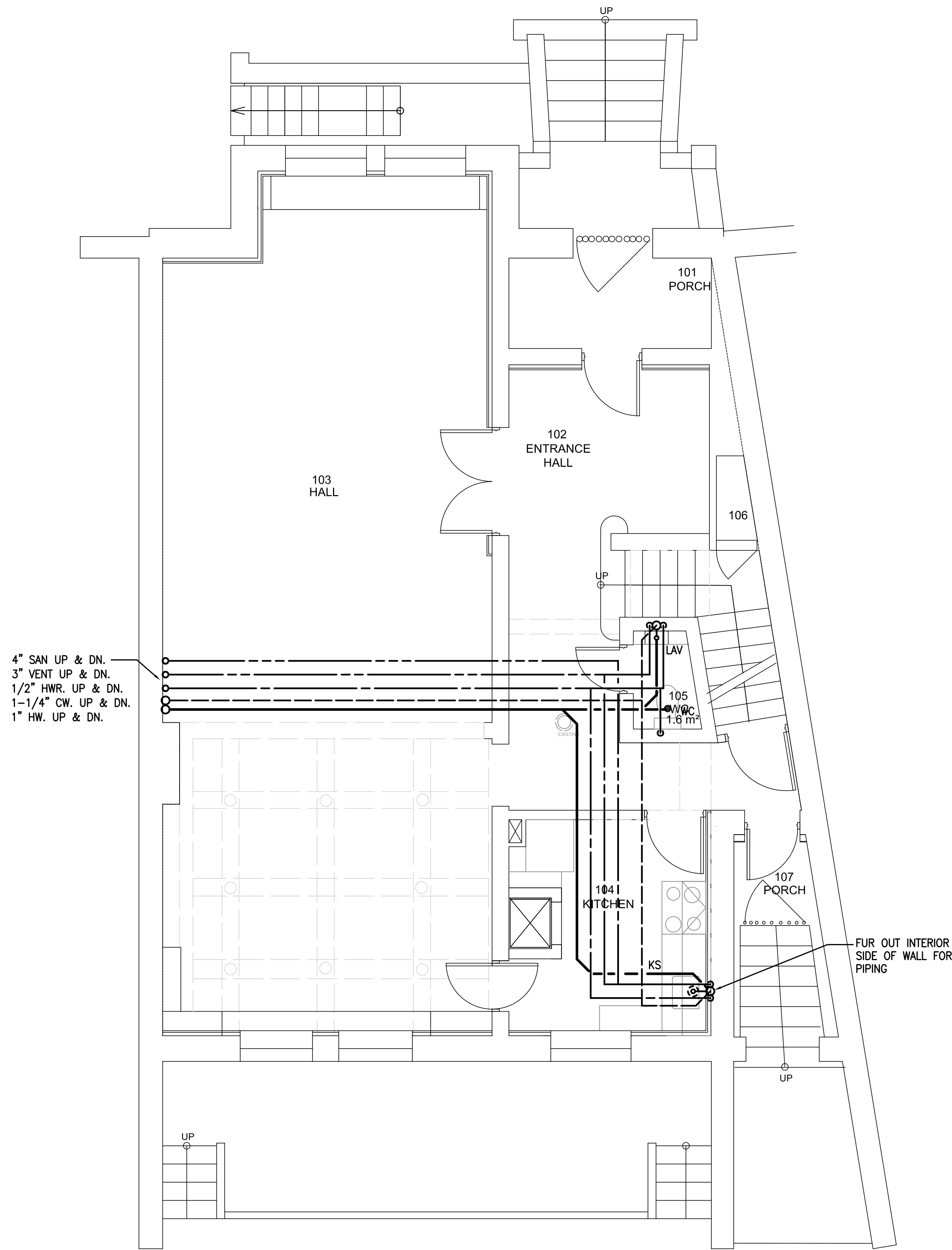
PLUMBING
COVER SHEET

SHEET #:

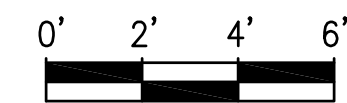
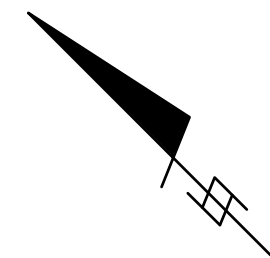
P001



1 PLUMBING BASEMENT PLAN
SCALE: 1/4" = 1' - 0"



2 PLUMBING FIRST FLOOR PLAN
SCALE: 1/4" = 1' - 0"

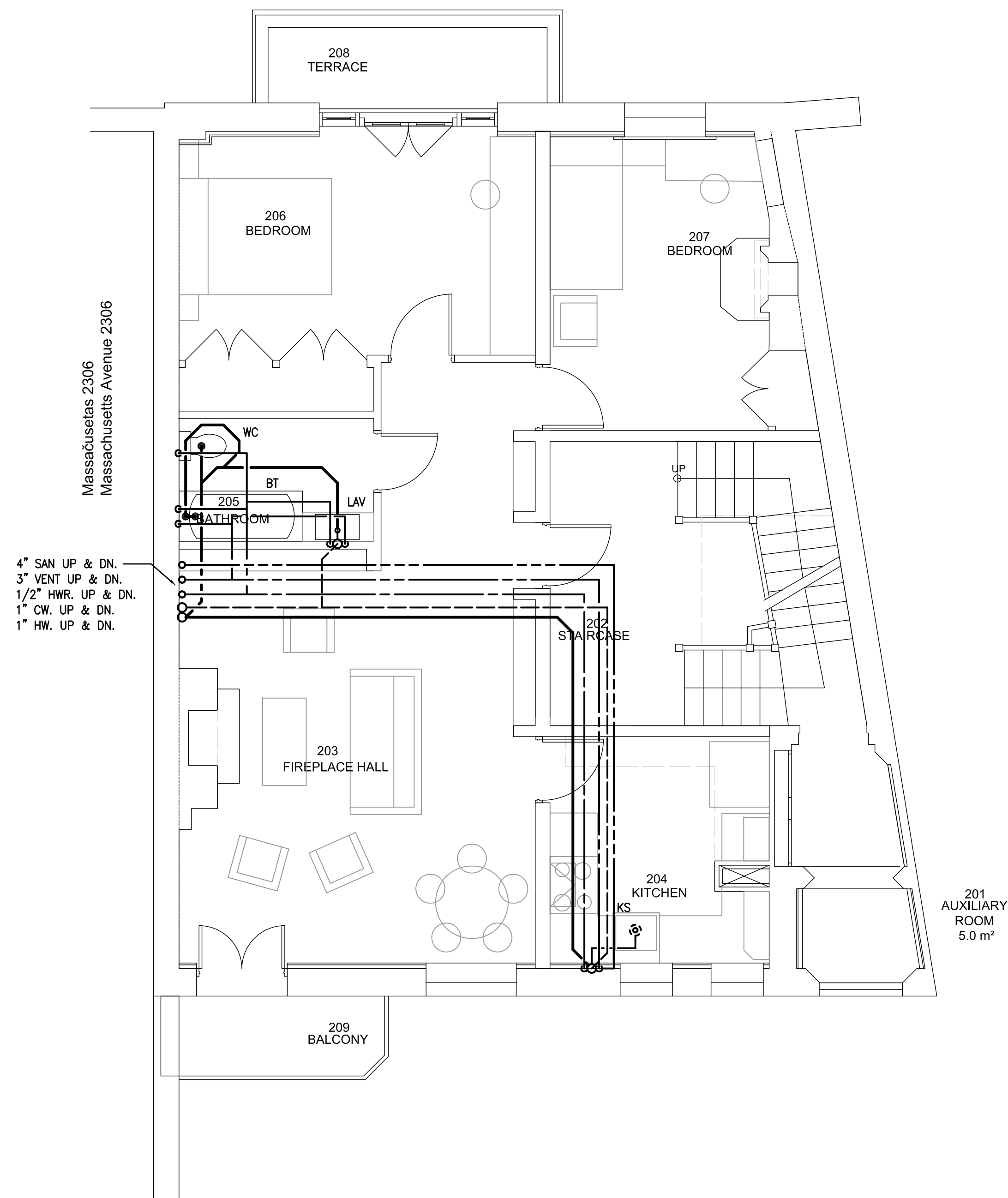


REVISIONS:	
△	Comments 07/29/20
△	Comments 08/04/20
△	Final Set 08/10/20
△	
△	
△	

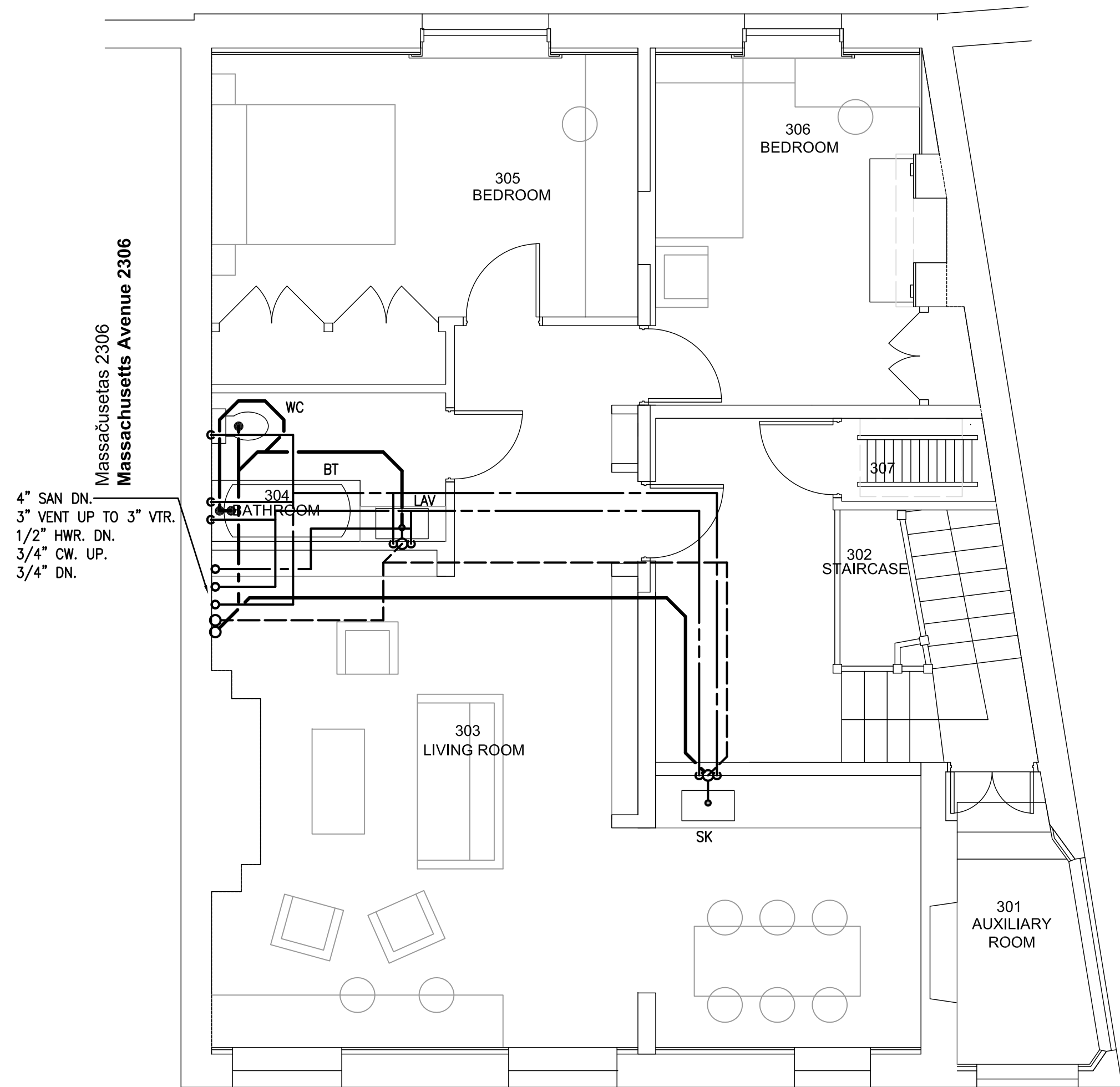
DATE: Permit 06/19/20

SHEET NAME:
PLUMBING
FLOOR PLANS

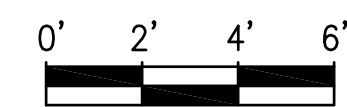
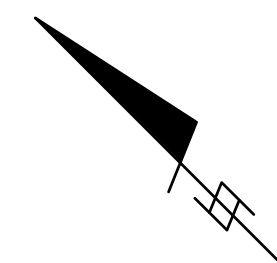
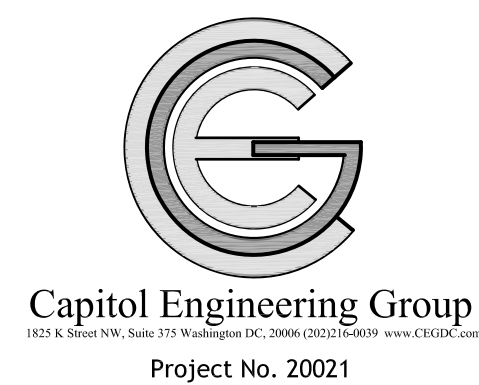
SHEET #:
P002



1 PLUMBING SECOND FLOOR PLAN
SCALE: 1/4" = 1' - 0"



2 PLUMBING THIRD FLOOR PLAN
SCALE: 1/4" = 1' - 0"



Atelier Mjk

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202) - 643-3995



LATVIAN EMBASSY
2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:	
△	Comments 07/29/20
△	Comments 08/04/20
△	Final Set 08/10/20
△	
△	
△	

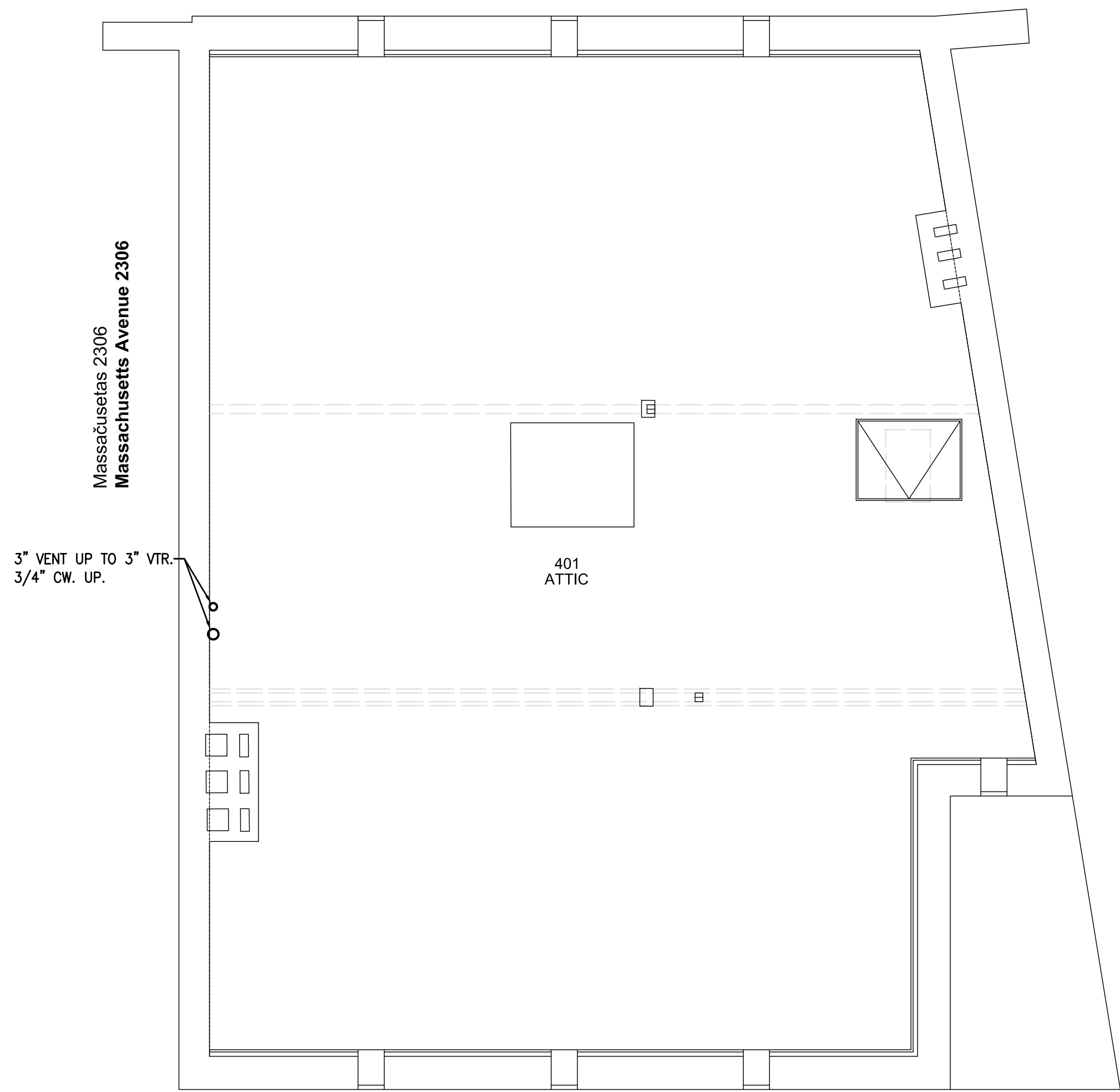
DATE: Permit 06/19/20

SHEET NAME:

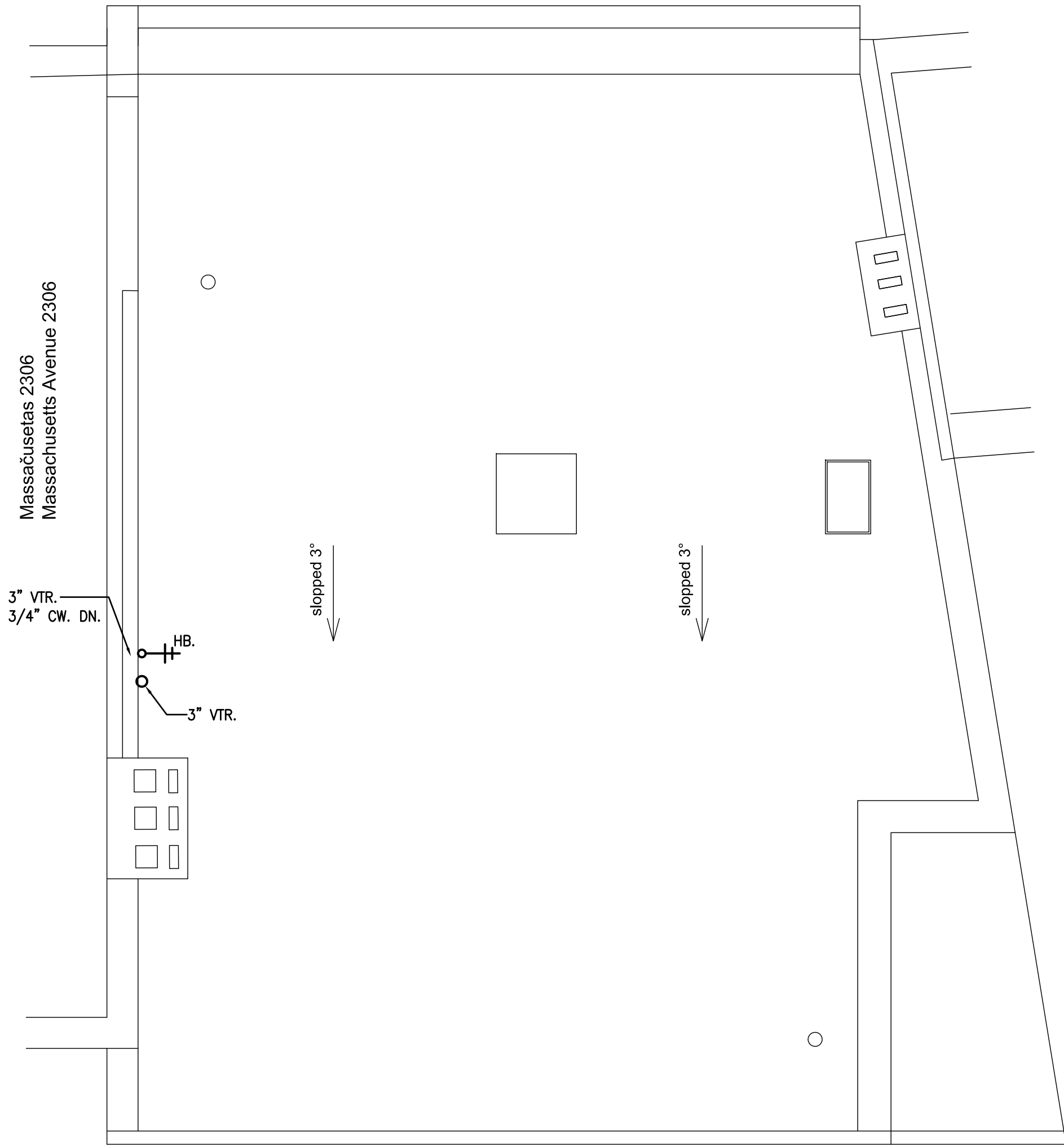
PLUMBING
FLOOR PLANS

SHEET #:

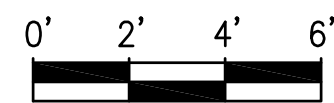
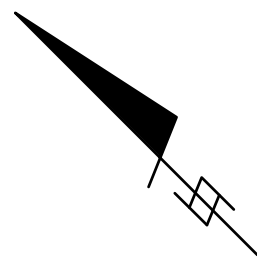
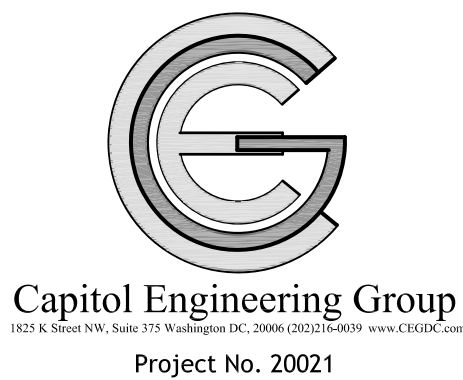
P003



1 PLUMBING ATTIC FLOOR PLAN
SCALE: 1/4" = 1' - 0"



2 PLUMBING ROOF PLAN
SCALE: 1/4" = 1' - 0"



Atelier Mjk

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202) - 643 - 3995



LATVIAN EMBASSY
2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:	
△	Comments 07/29/20
△	Comments 08/04/20
△	Final Set 08/10/20
△	
△	
△	

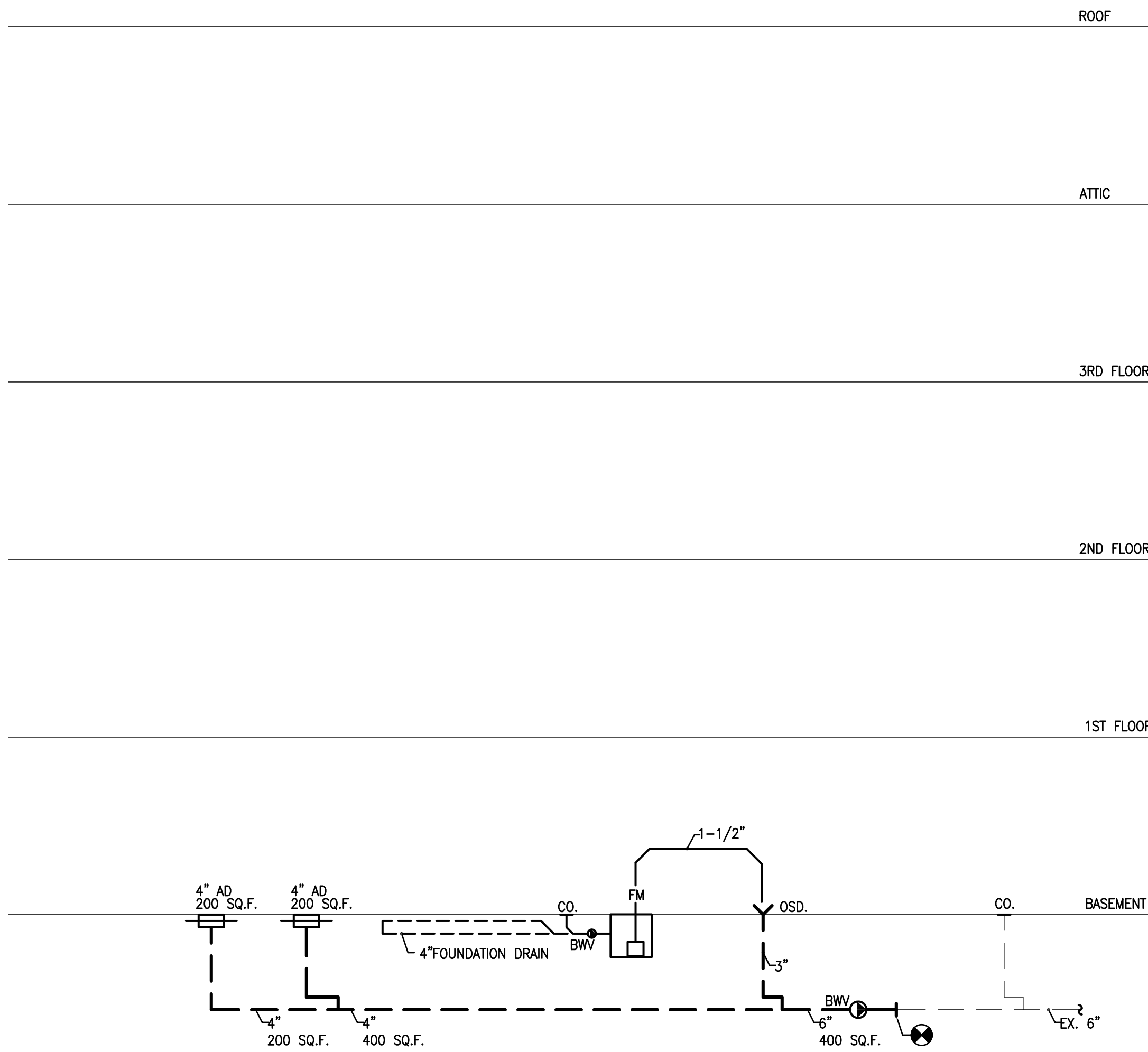
DATE: Permit 06/19/20

SHEET NAME:

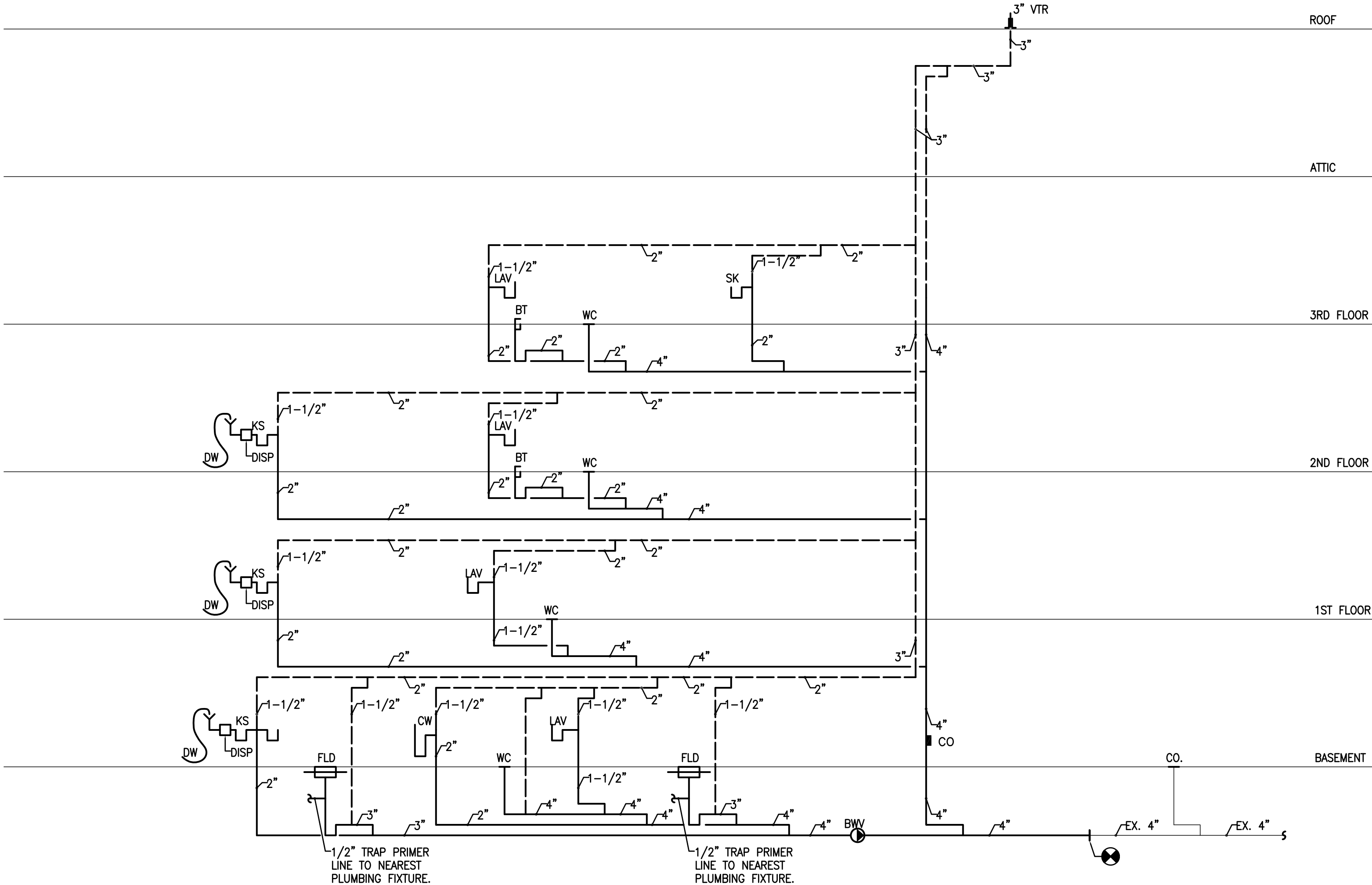
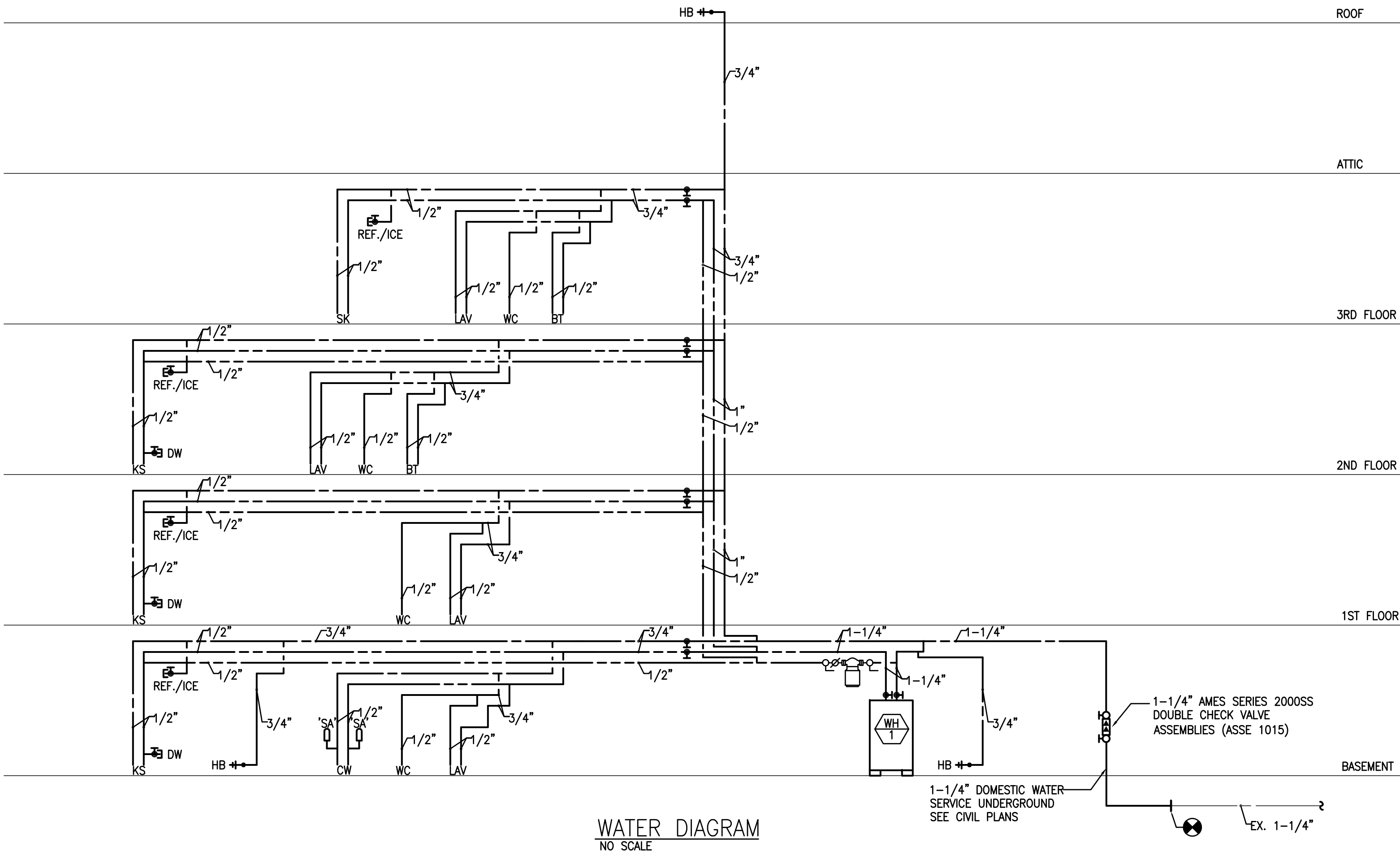
PLUMBING
FLOOR PLANS

SHEET #:

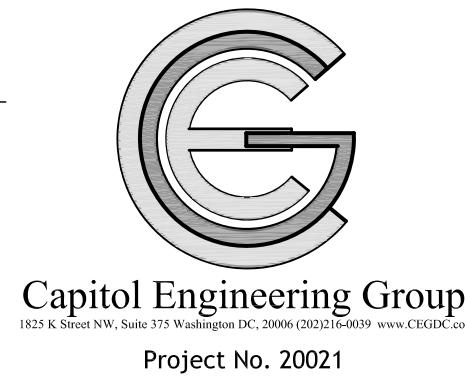
P004



STORM DIAGRAM
NO SCALE



WATER DIAGRAM
NO SCALE



Atelier Mjk

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202) 643-3995



LATVIAN EMBASSY
2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:		
△	Comments	07/29/20
△	Comments	08/04/20
△	Final Set	08/10/20
△		
△		
△		

DATE: Permit 06/19/20

SHEET NAME:
PLUMBING
DIAGRAMS

SHEET #:
P005

ELECTRICAL SPECIFICATIONS	
<div>1. WORK TO INCLUDE ALL DEMOLITION, FURNISHING AND INSTALLING ALL ELECTRICAL SYSTEMS AND EQUIPMENT AS SHOWN ON THE PLANS AND AS SPECIFIED HEREIN.</div> <div>2. THE CONTRACTOR SHALL EXAMINE THE DRAWINGS, AND THE JOB SITE AND FULLY INFORM HIMSELF OF ALL EXISTING CONDITIONS AND WORK REQUIRED BY THE DRAWINGS BEFORE SUBMITTING HIS BID. WAIVER OF RESPONSIBILITY OR REQUEST FOR ADDITIONAL PAYMENT BASED ON LACK OF KNOWLEDGE OF CONDITIONS AT THE SITE WILL NOT BE ACCEPTED OR CONSIDERED.</div> <div>3. THE ENTIRE ELECTRICAL INSTALLATION SHALL CONFORM TO THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE, LOCAL JURISDICTION REQUIREMENTS. AND LOCAL CODE REQUIREMENTS.</div> <div>4. ELECTRICAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR ELECTRICAL WORK.</div> <div>5. ALL ELECTRICAL EQUIPMENT SHALL BEAR THE UNDERWRITER'S LABORATORIES LABEL.</div> <div>6. PROVIDE SHOP DRAWINGS FOR THE FOLLOWING ITEMS:<div>A. LIGHTING FIXTURES, SWITCHES, RECEPTACLES, PANELBOARDS, AND DISCONNECT SWITCHES.</div></div> <div>7. ALL EQUIPMENT SUCH AS PANELBOARDS, AND DISCONNECTS SWITCHES TO BE AS MANUFACTURED BY GENERAL ELECTRIC, SQUARE-D, CUTLER-HAMMER OR SIEMENS.</div> <div>8. PROVIDE TEMPORARY SERVICE AS NECESSARY FOR LIGHTING AND POWER EQUIPMENT (DRILLS, SAWS, ETC.). VERIFY TEMPORARY REQUIREMENTS WITH GENERAL CONTRACTOR. TEMPORARY LIGHTING AND POWER SHALL MEET OSHA REQUIREMENTS AND LOCAL CODES.</div> <div>9. ADVANCE NOTICE TO BE GIVEN TO THE OWNER BEFORE COMMENCEMENT OF WORK, WHETHER OR NOT AN OUTAGE IS REQUIRED.</div> <div>10. ALL CIRCUITRY, EQUIPMENT, DEVICES, ETC., TO BE NEW UNLESS SPECIFICALLY NOTED ON THE PLANS</div> <div>11. THE FOLLOWING TERMINOLOGY AND MEANINGS WILL BE USED IN THESE SPECIFICATIONS:<div>A. PANELBOARDS "EQUIPPED SPACE" OR "SPACE": INCLUDE ALL NECESSARY BUS, DEVICE SUPPORTS AND CONNECTIONS FOR INSERTION OF A FUTURE DEVICE.</div><div>B. "PROVIDE": FURNISH AND INSTALL.</div></div> <div>12. ALL WORK HOURS TO BE AGREED WITH OWNER.</div> <div>13. FINAL TESTING: AT THE TIME OF FINAL INSPECTION AND TEST, ALL CONNECTIONS AT PANELBOARDS, DEVICES AND EQUIPMENT, AND ALL SPLICES MUST BE COMPLETED. EACH BRANCH CIRCUIT AND ITS RESPECTIVE CONNECTED EQUIPMENT MUST TEST FREE OF SHORT CIRCUITS. UPON COMPLETION OF THE WORK, CLEAN AND POLISH ALL EXPOSED SURFACES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.</div>	<div>LIGHTING FIXTURES<div>1. COORDINATE LOCATIONS OF LIGHTING FIXTURES WITH SPRINKLERS, MECHANICAL EQUIPMENT AND ARCHITECTURAL CEILING PLAN. LAYOUT ON PLANS IS APPROXIMATE, ADJUST AND COORDINATE LIGHTING FIXTURES IN FIELD PER ARCHITECTS CEILING PLAN.</div><div>2. LIGHTING FIXTURE TYPES SHALL BE COMPATIBLE WITH INSTALLATION COORDINATE ALL FIXTURE TYPES WITH ARCHITECT PRIOR TO ORDERING FIXTURES. PROVIDE ALL MOUNTING ATTACHMENTS FOR A COMPLETE INSTALLATION.</div><div>3. ALL NEW LIGHTING FIXTURES SHALL BE INSTALLED COMPLETE WITH LAMPS. SEE PLANS FOR SPECIFIC REQUIREMENTS.</div></div> <div>DISCONNECT SWITCHES<div>1. LOCATE DISCONNECT SWITCH FOR MECHANICAL EQUIPMENT TO PERMIT SERVICING OF EQUIPMENT. PROVIDE FUSES IF REQUIRED BY MANUFACTURER OF EQUIPMENT FOR UL APPROVAL. CHECK MOTORS FOR PROPER ROTATION. CONNECT CONDUCTORS AS REQUIRED BY MANUFACTURER.</div></div> <div>BRANCH CIRCUITRY<div>1. ALUMINUM CONDUIT IS NOT PERMITTED.</div><div>2. ALL CIRCUITRY RUNS ARE DIAGRAMMATIC. THE CONTRACTOR TO DETERMINE IN FIELD THE MOST SUITABLE ROUTES.</div><div>3. MINIMUM SIZE CONDUIT TO BE 3/4".</div><div>4. NONMETALLIC CONDUIT IS NOT TO BE USED FOR BRANCH CIRCUIT WORK ABOVE GRADE.</div><div>5. CIRCUITRY TO BE INSTALLED CONCEALED IN FINISHED AREAS.</div><div>6. CIRCUITRY TO BE INSTALLED TIGHT TO THE UNDERSIDE OF THE FLOOR SLAB ABOVE IN A NEAT WORKMANLIKE MANNER. ALL RUNS TO BE PARALLEL OR PERPENDICULAR TO BUILDING WALLS.</div><div>7. PROVIDE ALL EMPTY RACEWAYS WITH A DRAG WIRE. EMPTY RACEWAYS 2" OR LARGER IN SIZE TO HAVE A MAXIMUM OF 3-90 DEGREE BENDS.</div><div>8. MAKE FINAL CONNECTION TO ALL MOTORS AND VIBRATING EQUIPMENT WITH FLEXIBLE CONDUIT, MAXIMUM 6'-0" LENGTH</div><div>9. ALL CONDUIT/CABLE PENETRATIONS OF EXTERIOR WALLS, FIRE RATED WALLS AND FIRE RATED FLOORS, TO BE CAULKED AND SEALED WATERTIGHT. SEALS FOR FIRE RATED PENETRATIONS TO BE SEALED WITH UL LISTED PUTTY TYPE SEALING COMPOUND.</div><div>10. PROVIDE HACR TYPE CIRCUIT BREAKERS FOR ALL CIRCUIT BREAKERS SERVING HVAC EQUIPMENT</div><div>11. ALL WIRING TO BE 90 DEGREE C., MINIMUM #12 AWG, THHN</div></div> <div>INDOOR BRANCH CIRCUITRY<div>1. CONTRACTOR SHALL COORDINATE WITH BUILDING ENGINEER FOR EXISTING BUILDING STANDARDS. PROVIDE TRUNK LINES, FROM ELECTRICAL ROOM, IN EMT CONDUIT, END CONNECTIONS IN "MC" CABLE. ALL WIRE AND RACEWAYS TO BE INSTALLED CONCEALED IN FINISHED AREAS.</div><div>2. METAL CLAD CABLE (MC CABLE) IS PERMITTED TO SERVE RECEPTACLES AND OTHER EQUIPMENT LOAD. METAL CLAD CABLE (MC) IS PERMITTED IN CONCEALED AREAS SUCH AS CEILING SPACE AND FINISHED WALL AREAS ONLY. INSTALLATION OF CABLE TYPE TO BE APPROVED BY THE AUTHORITY HAVING JURISDICTION. ALL HOMERUN TO BE INSTALLED IN EMT.</div><div>3. ALL INDOOR WIRING TO BE INSTALLED IN GALVANIZED EMT OR HEAVY WALL GALVANIZED RIGID STEEL.</div></div> <div>OUTDOOR BRANCH CIRCUITRY<div>1. ALL EXTERIOR ABOVE GRADE CONDUITS SHALL BE HEAVYWALL GALVANIZED RIGID STEEL.</div><div>2. CONDUIT FOR UNDERGROUND INCOMING ELECTRICAL AND TELEPHONE SERVICE SHALL BE PVC SCHEDULE 40, MINIMUM 36" BELOW GRADE</div><div>3. LIQUID-TITE CONDUIT , MAXIMUM LENGTH 6'-0"</div></div> <div>WIRE AND CABLE<div>1. ALL WIRING INSULATION TO BE THW OR THHN-THWN.</div><div>2. ALL WIRING SHALL BE COLOR CODED THROUGHOUT.</div><div>3. ALL CONDUCTOR SHALL BE COPPER, MINIMUM NO. 12-EXCEPT CONTROL CONDUCTOR AND LIGHTING TAPS AS PERMITTED BY N.E.C. CONDUCTORS FOR SWITCHING LIGHTS SHALL NOT BE CONSIDERED CONTROL CONDUCTORS. ALL SIZES #8 OR LARGER SHALL BE THW OR EQUIVALENT. THW OR EQUIVALENT FOR HEATERS OR OTHER UL LISTED DEVICES RATED AT 75 DEG. F. SUPPLY FEED.</div><div>4. ALL RECEPTACLES, LIGHTING FIXTURES, MOTORS, ETC., SHALL BE GROUNDED.</div><div>5. INSTALL MULTIPLE HOMERUNS TO ALTERNATELY NUMBERED PANELBOARD CIRCUITS (i.e. 1, 3, 5) SERVING LIGHTING, GENERAL RECEPTACLES, AND MOTORS.</div><div>6. ALL 120 VOLT. CIRCUIT HOMERUNS OVER 100 LINEAR FEET TO BE A MINIMUM OF #10 CONDUCTORS UNLESS OTHERWISE INDICATED ON THE PLANS.</div></div>
<div>PANELBOARDS<div>1. BEFORE ORDERING PANELBOARDS, COORDINATE ALL MOTOR CIRCUIT BREAKER TRIPS WITH MECHANICAL EQUIPMENT MANUFACTURER'S REQUIREMENTS. COORDINATE CONDUCTOR SIZE WITH ACTUAL MOTORS AND OTHER MECHANICAL AND ARCHITECTURAL EQUIPMENT FURNISHED BEFORE INSTALLING CIRCUITRY.</div><div>2. ALL PANELBOARDS SHALL HAVE COMMON KEYED LOCKS. PROVIDE A MINIMUM OF TWO KEYS PER PANEL. PANELBOARDS SHALL BE COMPLETE WITH COVER AND TRIM AND SHALL CONTAIN A GROUND BUS.</div><div>3. SURFACE MOUNTED PANELBOARD CABINETS SHALL BE INSTALLED ON AN APPROVED STEEL FRAMEWORK TO DISTRIBUTE THE WEIGHT EVENLY TO THE WALL OR FLOOR AND TO PROVIDE A 1-INCH AIR SPACE BETWEEN WALL AND CABINET.</div><div>4. NEW PANELS SHALL BE COMMERCIAL GRADE AND PROVIDED WITH COPPER BUS.</div></div> <div>SWITCHES, RECEPTACLES & OUTLETS<div>1. PRIOR TO INSTALLATION OF ANY TELEPHONE, TV AND RECEPTACLE OUTLETS, THIS CONTRACTOR SHALL VERIFY ITS FINAL LOCATION WITH THE ARCHITECT. THE ARCHITECT MAY, AT HIS OPTION, RELOCATE ANY DEVICE WITHIN 5 FEET FROM THE LOCATION SHOWN ON THE DRAWINGS AT NO CHARGE TO THE OWNER.</div><div>2. WHERE TWO OR MORE DEVICES OF THE SAME VOLTAGE ARE SHOWN TOGETHER ON THE PLANS, A GANGED PLATE SHALL BE USED. DEVICES OF DIFFERENT VOLTAGES SHALL BE SEPARATED HORIZONTALLY BY 6" AND SHALL BE HORIZONTALLY OR VERTICALLY ALIGNED.</div><div>3. ALL RECEPTACLES, TELEPHONE, AND DATA OUTLETS SHOWN ON A WALL BACK TO BACK SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY.</div><div>4. WALL PLATES SHALL BE AS SELECTED BY THE ARCHITECT.</div><div>5. COORDINATE LIGHT SWITCHES SHOWN ON DRAWINGS WITH DOOR SWINGS. LOCATE LIGHT SWITCH ON LOCK SIDE OF DOOR.</div></div>	

GENERAL NOTES	
<div>GENERAL ELECTRICAL NOTES<div>G1. GENERALLY ALL LIGHTING FIXTURES SHALL BE SUITABLE FOR OPERATION AT 120 VOLTS. CONTRACTOR SHALL COORDINATE TO INSURE THAT EACH FIXTURE IS SUITABLE FOR THE VOLTAGE AT THE POINT OF CONNECTION. VOLTAGE AT THE POINT OF CONNECTION.</div><div>G2. CONTRACTOR SHALL NOT USE BACK-TO-BACK JUNCTION BOXES IN WALLS. JUNCTION BOXES SHALL BE MINIMUM 6" APART.</div><div>G3. CONTRACTOR SHALL PROVIDE NEW TYPED PANEL DIRECTORIES FOR ALL NEW PANELS UNDER THIS CONTRACT.</div><div>G4. ALL DEVICES SHOWN ON THE PROJECT PLANS (SWITCHES, RECEPTACLES, COMMUNICATION OUTLETS, ETC.) SHALL BE NEW UNLESS OTHERWISE NOTED. ALL NEW DEVICES SHALL MEET BUILDING STANDARDS. ALL NEW DEVICES SHALL BE WHITE IN COLOR WITH WHITE FACE PLATE.</div><div>G5. ALL BATTERY BACKED UNIT EQUIPMENT (EXIT LIGHTS, EMERGENCY BATTERY PACKS, ETC) SHALL BE INSTALLED AND CONNECTED IN ACCORDANCE WITH NEC ARTICLE 700-12(E)(F).</div><div>G6. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH NEC ARTICLES 370-23 AND 410-16, AND SHALL PROPERLY AND SUITABLY SUPPORT THE WEIGHT OF ANY FIXTURE INSTALLED.</div><div>G7. ALL WIRING RUN ABOVE HUNG CEILING IN SPACE USED AS AIR HANDLING PLENUM SHALL CONFORM TO NEC ARTICLE 300-22 PROVISIONS AS APPLICABLE.</div><div>G8. CONTRACTOR SHALL IDENTIFY ALL EXISTING & NEW CIRCUITS FOR ALL PANELS SERVING THIS BUILDING. PROVIDE NEW TYPE PANEL DIRECTORIES.</div><div>G9. MAINTAIN AND RESTORE, IF INTERRUPTED BY REMOVALS OR IN PATH OF NEW CONSTRUCTION, ALL CIRCUITS, CONDUITS AND FEEDERS PASSING THROUGH AND SERVING UNDISTURBED AREAS (SHOWN OR NOT SHOWN).</div><div>G10. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NEC, THE FIRE UNDERWRITERS AND ALL OTHER RULES AND REGULATIONS OF THE LOCAL ELECTRICAL AND BUILDING CODES.</div><div>G11. ALL WIRE MINIMUM No. 12 COPPER (CU) 75 DEG C UNLESS OTHERWISE NOTED. MINIMUM CONDUIT SIZE SHALL BE 3/4".</div><div>G12. ALL RACEWAYS AND WIRING SHALL BE RUN CONCEALED IN ALL FINISHED AREAS OF THE BUILDING SPACES.</div><div>G13. CONTRACTOR SHALL FOLLOW ARCHITECTURAL PLANS FOR DEMO, NEW PARTITIONS AND PROPOSED DEVICE/EQUIPMENT LOCATION. CONTRACTOR SHALL FOLLOW ELECTRICAL PLANS FOR DEVICE AND FIXTURE CONNECTIONS.</div><div>G14. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND SHALL NOTIFY ARCHITECT AND/OR ENGINEER IF A CONDITION EXISTS WHICH PREVENTS THE CONTRACTOR FROM ACCOMPLISHING THE INTENT OF THESE PLANS.</div><div>G15. GENERAL NOTE: FIRE ALARM SYSTEM SHALL BE NEW FOR THIS BUILDING. CONTRACTOR SHALL PROVIDE, INSTALL AND TEST NEW SYSTEM TO ASSURE A FULLY WORKING SYSTEM AND IN COMPLIANCE WITH ALL LOCAL CODES.</div><div>G16. PROVIDE SEPARATE INSULATED GREEN GROUND CONDUCTOR WITH THE BRANCH CIRCUIT OR FEEDER WIRING FOR ALL NEW SINGLE OR THREE PHASE CIRCUITS, SHOWN OR NOT SHOWN.</div><div>G17. THE ELECTRICAL PLANS ARE DIAGRAMMATIC IN NATURE. REFER TO ARCHITECTURAL PLANS FOR EXACT DIMENSION OF THE BUILDING.</div><div>G18. CONTRACTOR SHALL RUN EMPTY CONDUIT AND BACKBOXES FOR DATA/COMMUNICATION DEVICES. CONTRACTOR SHALL RUN CONDUIT FROM POINT TO POINT AND/OR TO CENTRAL LOCATION. FINAL CENTRAL LOCATION TO BE DETERMINED.</div></div>	

ELECTRICAL SITE COORDINATION NOTES	
<div>ELECTRICAL SITE COORDINATION NOTES<div>SC1. NEW FIRE ALARM SYSTEM. DEVICES AND EQUIPMENT LOCATIONS SHALL COMPLY WITH LOCAL CODES AND MANUFACTURERS SPECIFICATIONS.</div><div>SC2. CONTRACTOR SHALL COORDINATE WITH OWNER/BUILDING ENGINEERS FOR UTILITIES TAPS, OUTAGES, SERVICE LOCATIONS, TEMPORARY POWER, ETC.</div><div>SC3. MAINTAIN AND RESTORE, IF INTERRUPTED BY REMOVALS OR IN PATH OF NEW CONSTRUCTION, ALL CIRCUITS, CONDUITS AND FEEDERS PASSING THROUGH AND SERVING UNDISTURBED AREAS (SHOWN OR NOT SHOWN).</div></div>	

SYMBOLS	
<div>ELECTRICAL SYMBOLS<div>FLUORESCENT LIGHT FIXTURE- CEILING MOUNTED</div><div>RECESSED LIGHT FIXTURE- CEILING MOUNTED</div><div>CABINTRY SPOT LIGHT FIXTURE</div><div>UNDER CABINET FLUORESCENT STRIP FIXTURE</div><div>CEILING MOUNTED LIGHT FIXTURE</div><div>WALL MOUNTED SCONCE LIGHT FIXTURE</div><div>CEILING MOUNTED TRACK LIGHT</div><div>EXIT LIGHT - NOTES G3</div><div>SINGLE POLE LIGHTING SWITCH- 20A., 125V.</div><div>THREE-WAY LIGHTING SWITCH- 20A., 125V.</div><div>MOTOR STARTING SWITCH</div><div>DIMMER SWITCH</div><div>TIMER SWITCH</div><div>DUPLEX RECEPTACLE (D.R.)- NEMA 5-20R UON</div><div>DUPLEX RECEPTACLE @ BASEBOARD</div><div>DUPLEX RECEPTACLE @ BASEBOARD SURFACE MTD</div><div>DOUBLE DUPLEX RECEPTACLE- NEMA 5-20R UON</div><div>DUPLEX RECEPTACLE GFI TYPE- NEMA 5-20R UON</div><div>DUPLEX RECEPTACLE GFI/WEATHERPROOF</div><div>18" OUTLET STRIP</div><div>MOTORIXED DAMPER (120V)</div><div>JUNCTION BOX (J.B.)</div><div>JUNCTION BOX (J.B.)- MOUNTED ABV. HUNG CEILING</div><div>EXHAUST FAN CONNECTION</div><div>ELECTRICAL PANELBOARD</div><div>DISCONNECT SWITCH</div><div>FIRE ALARM WALL MTD BELL SIGNAL</div><div>FIRE ALARM STRIKING STATION- BUILD'G STD.</div><div>FIRE ALARM WALL MTD STROBE SIGNAL- NUMERALS DENOTES CANDELA LEVEL- BUILDING STANDARD.</div><div>SMOKE DETECTOR- BUILDING STANDARD</div><div>BRANCH CIRCUIT WIRING INSTALLED IN WALL OR ABOVE CEILING. NUMBER OF CROSSMARKS INDICATE NUMBER OF CONDUCTORS IN RUN. RUNS WITHOUT CROSSMARKS INDICATE TWO (2) CONDUCTORS MINIMUM #12 AWG. PROVIDE GROUND CONDUCTOR (NOT SHOWN) WITH EACH RUN.</div><div>HOMERUN TO ASSOCIATED PANELBOARD. NUMBER OF ARROWS DENOTES NUMBER OF CIRCUITS IN RUN.</div><div>DENOTES 208 VOLT HOMERUN.</div></div>	
15cd	6'-8"
50"	
15cd	6'-8"
-	

ABBREVIATIONS	
<div>ABBREVIATIONS<div>EC - EMPTY CONDUIT</div><div>C.L. - CENTER LINE</div><div>CLG. - CEILING</div><div>WP. - WEATHERPROOF</div><div>UON - UNLESS OTHERWISE NOTED</div><div>GFI - GROUND FAULT INTERRUPT</div><div>E (E) - EXISTING DEVICE TO REMAIN</div><div>ER - EXISTING DEVICE NEW LOCATION</div><div>N (N) - NEW DEVICE</div><div>R - REMOVE EXISTING DEVICE</div><div>CKT - CIRCUIT</div><div>D - DEDICATED</div><div>CKT - CIRCUIT</div><div>C - CONDUIT</div><div>MTD. - MOUNTED</div><div>JB - JUNCTION BOX</div><div>MTG. - MOUNTING</div><div>HT. - HEIGHT</div><div>ABV - ABOVE</div><div>HWH - HOT WATER HEATER</div><div>MW - MICROWAVE</div><div>T.C. - TIME CLOCK</div><div>Ref - REFRIGERATOR</div><div>Disp - DISPOSAL UNIT</div><div>DW - DISHWASHER</div><div>BS - BASEBOARD</div><div>N.I.C. - NOT IN CONTRACT</div><div>FSS - FUSED SAFETY SWITCH</div></div>	

ATELIER MJK

1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009

(202)-643-3995

DISTRICT OF COLUMBIA
MAROKH KHATANI
No. 0294
REGISTERED
PROFESSIONAL ENGINEER

LATVIAN EMBASSY

2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:

Comments

07/29/20

Comments

08/04/20

Final Set

08/10/20

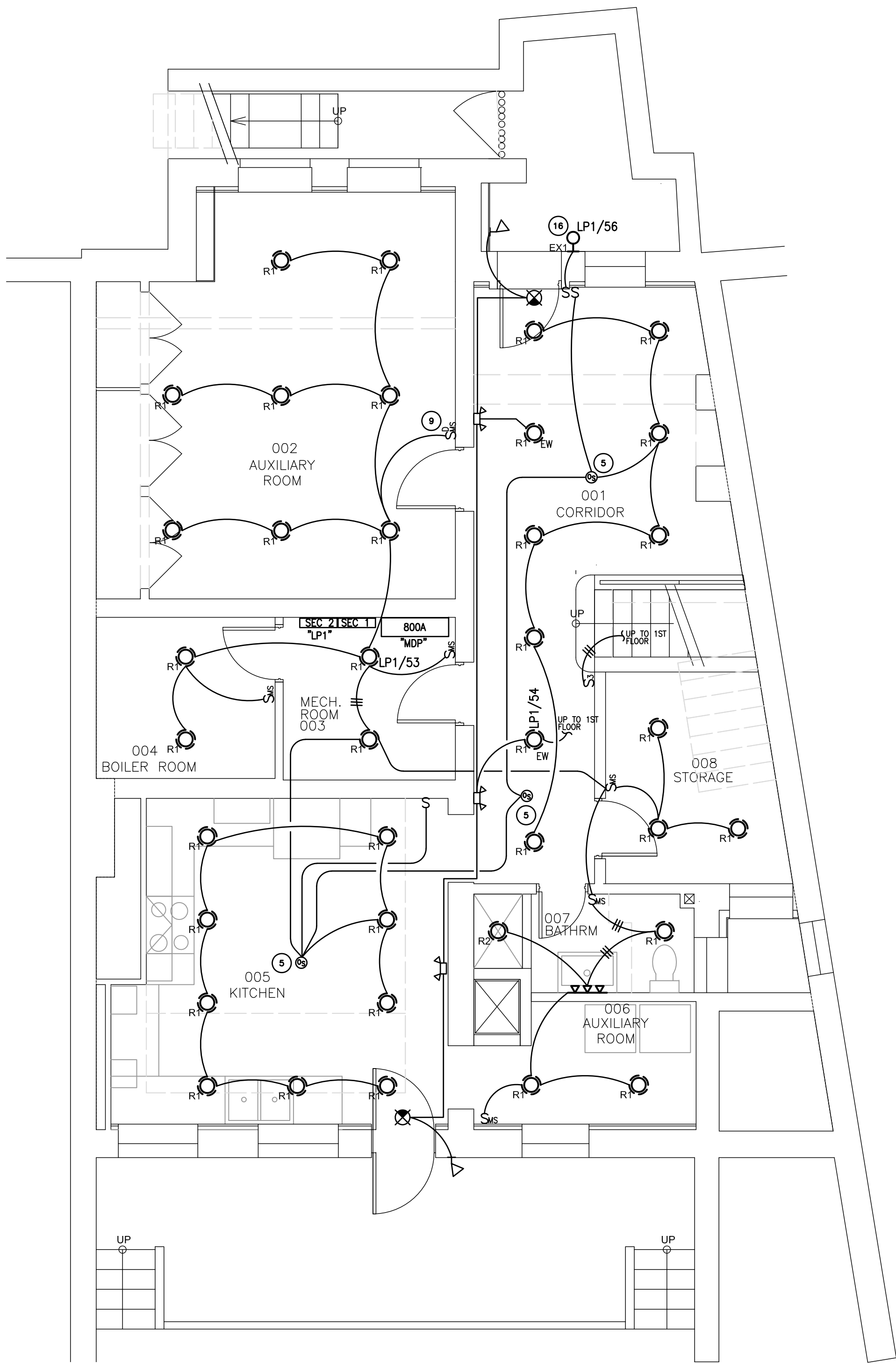
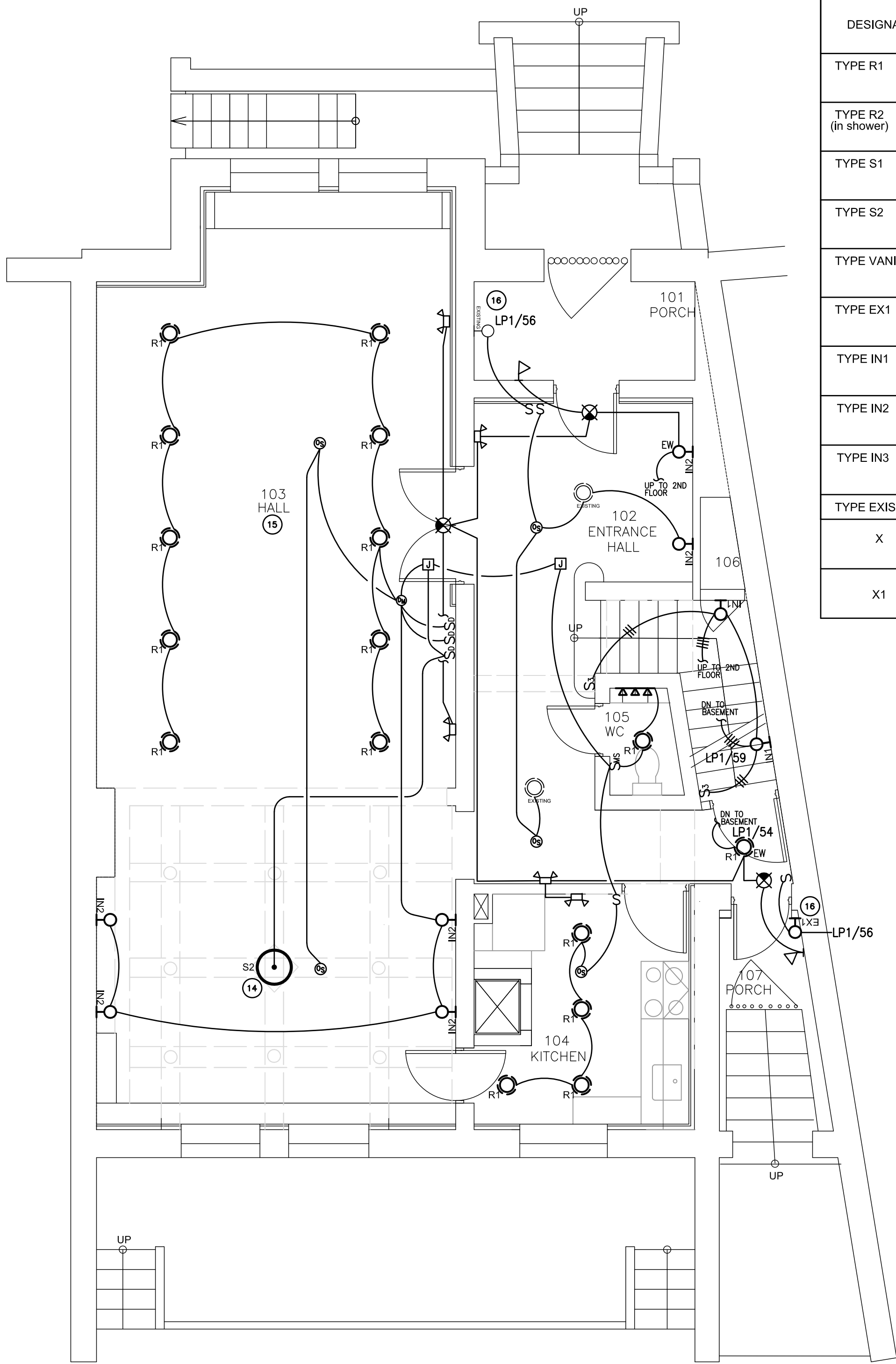
DATE: Permit 06/19/20

SHEET NAME:

ELECTRICAL
COVER SHEET

SHEET #:

E001



DESIGNATION	SYMBOL	DESCRIPTION
TYPE R1		New 6" square apert. LED downlight, 0-10V Dimming, 1100L, Manufacturer: Caliber commercial Cat#: 6SQLFL2X-NF 1100L 35K E1 (10W Led)
TYPE R2 (in shower)		New 6" square apert. LED downlight, 0-10V Dimming, 980L, Manufacturer: Caliber commercial Cat#: 6SQLFL2X1100 35K E1 (10W Led)
TYPE S1		New FINURA 5 LIGHT PENDANT, 5x6W LED Candelabra lamps Manufacturer: Quorum International Cat#: 819-S-65 (Dimmable, 30W Led)
TYPE S2		New Seng 1 - Light Unique / Statement Geometric LED Pendant Manufacturer: Orren Ellis, 27K, 3713L Cat#: Twisted E30645-MW (ELV Dimmable, 83W Led)
TYPE VANITY LIGHT		New Linear Wall Lamp (horizontal position), 3000K, 2050L Manufacturer: PERFORMANCE IN LIGHTING Cat#: QUASAR 60 TECH EMPK 070418 (19W Led)
TYPE EX1		New exterior wall mounted luminaire, 3000k, 486L, Manufacturer: Sistemalux Cat#: 4551-0024-080-120-LTE (10W Led)
TYPE IN1		New Linear Wall Lamp (vert. position), 3000K, 4026L, 0-10V Dim Manufacturer: PERFORMANCE IN LIGHTING Cat#: QUASAR 60 B DOUBLE TECH 3100851 (38W Led)
TYPE IN2		New Linear Wall Mount Direct/Indirect (vert. position), 3000K, Manufacturer: Inter-lux, (0-10V Dimming) Cat#: WVG-20LDI direct/indirect (3/6.4 W/Ft, 19.2W Led)
TYPE IN3		New Linear Wall Lamp, 3000K, 8388L, 0-10V Dimmable Manufacturer: PERFORMANCE IN LIGHTING Cat#: MIMIK 50 B TYPE IV 079875 (78W Led)
TYPE EXISTING		Existing lighting fixture
X		New LED Exit Sign Manufacturer: Lithonia Lighting Quantum Cat#: LHQM LED R HO SD w/ ELA Q L0309 SD
X1		New LED Remote Head Manufacturer: Lithonia Lighting Quantum Cat#: LHQM LED R HO SD w/ ELA Q L0309 SD

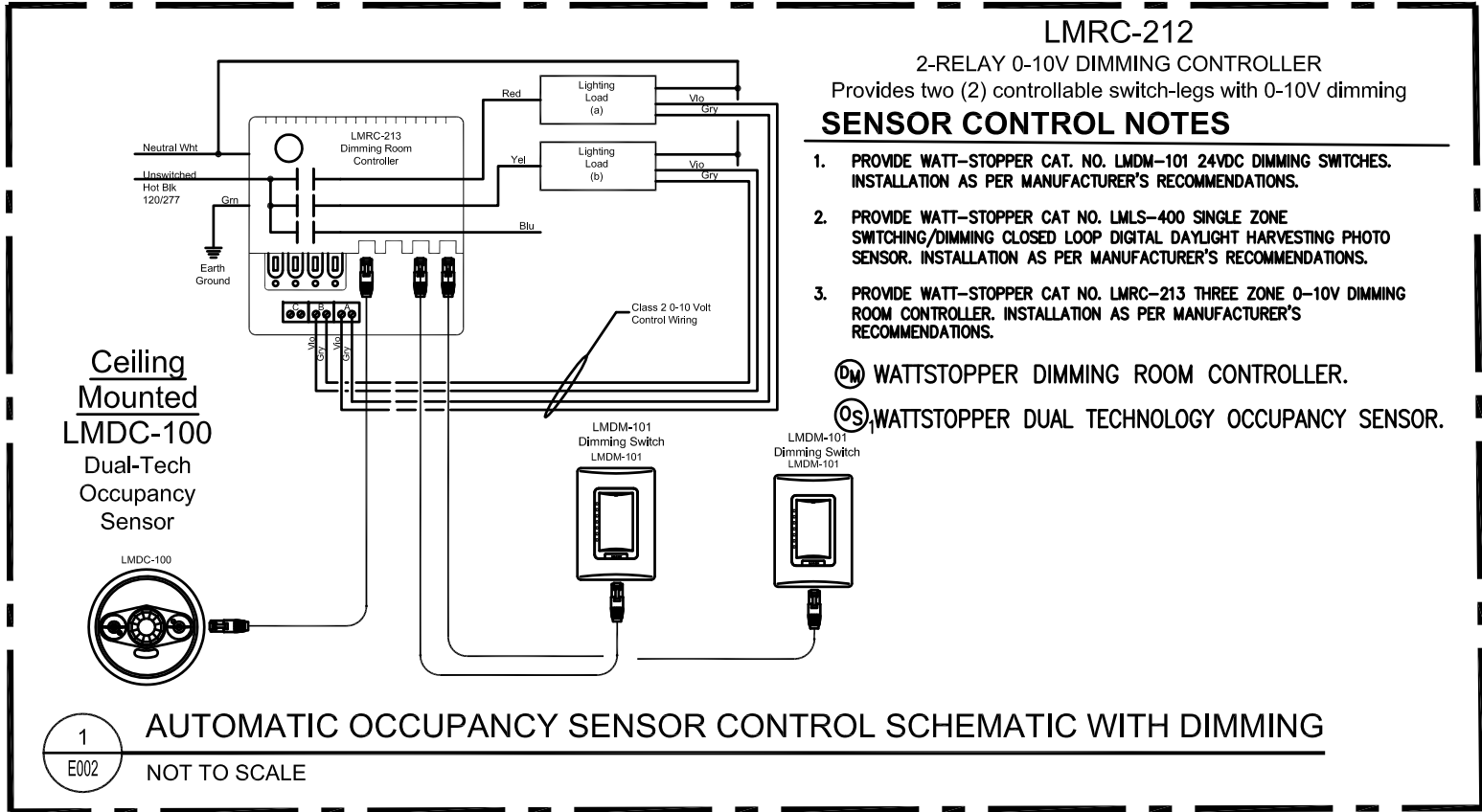
LIGHTING LEGEND	
	NEW LED EMERGENCY EXIT SIGN WITH EMERGENCY BATTER BACKUP DRIVERS, ARROWS INDICATE PATH OF TRAVEL.
	NEW REMOTE EXTERIOR EMERGENCY LIGHT CONNECTED TO EXIT SIGN.
	NEW LED EMERGENCY BATTERY PACK CONNECTED AHEAD OF ANY LOCAL SWITCHES.
S	WALL MOUNTED TOGGLE LIGHT SWITCH.
S ₀	WALL MOUNTED DIMMER LIGHT SWITCH.
S ₃	WALL MOUNTED 3-WAY LIGHT SWITCH.
S ₄	WALL MOUNTED 4-WAY LIGHT SWITCH.
S _{4s}	WALL MOUNTED COMBINATION OCCUPANCY SENSOR/DIMMER SWITCH.
S _{4s}	NEW WALL MOUNTED MOTION SENSOR, WATTSTOPPER LINE VOLTAGE DUAL TECHNOLOGY #DW-100-W.
CS	CEILING MOUNTED OCCUPANCY SENSOR, WATTSTOPPER LINE VOLTAGE DUAL TECHNOLOGY #DT-355/CA-1.

1 ELECTRICAL BASEMENT PLAN - LIGHTING
SCALE: 1/4"= 1' - 0"

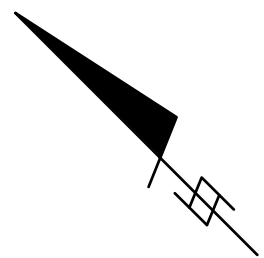
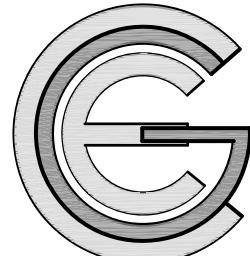
2 ELECTRICAL FIRST FLOOR PLAN - LIGHTING
SCALE: 1/4"= 1' - 0"

DRAWING LIGHTING GENERAL NOTES

- ALL LIGHT FIXTURE SHALL BE NEW UNLESS OTHERWISE NOTED. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS FOR FINAL FIXTURE SELECTION. NEW LIGHT FIXTURES SHALL NOT EXCEED WATTAGES DESIGNATED ON ELECTRICAL LIGHT FIXTURE SCHEDULE.
- ALL DEVICES MARKED WITH SUBSCRIPT "E" ARE EXISTING TO REMAIN. ALL DEVICES SHALL BE NEW UNLESS OTHERWISE NOTED.
- GENERAL NOTE: BUILDING ELECTRICAL SERVICE SHALL BE NEW BASED ON 120/208V, 3Ø-4W. NEW ELECTRICAL SERVICE SHALL BE LOCATED IN BASEMENT LEVEL. ALL PANELBOARDS SHALL BE NEW AND SHALL ALL BE FROM ONE MANUFACTURER FOR EASE OF MAINTENANCE.
- GENERAL NOTE: LIGHT FIXTURES WITH "EW" SUBSCRIPT SHALL BE CONNECTED TO EMERGENCY LIGHTING CIRCUIT AND AHEAD OF ANY LOCAL SWITCHES. EMERGENCY LIGHTS SHALL OPERATE 24/7.
- GENERAL NOTE: AREA LIGHTS SHALL BE CONTROLLED BY CEILING MOUNTED OCCUPANCY SENSOR (IE: WATTSTOPPER DUAL TECHNOLOGY LINE VOLTAGE #DT-355/CA-1, SUITABLE FOR OPERATION AT 120V) AND AREA WALL SWITCHES. ALL SENSORS AND SWITCHES SHALL BE NEW.
- GENERAL NOTE: AREA LIGHTS SHALL BE CONTROLLED BY WALL MOUNTED OCCUPANCY SENSOR (IE: WATTSTOPPER DUAL TECHNOLOGY LINE VOLTAGE #DW-100, SUITABLE FOR OPERATION AT 120V).
- GENERAL NOTE: ALL NEW DEVICES SHALL BE DECOR RECTANGULAR TYPE, WHITE IN COLOR WITH WHITE COVER PLATE.
- GENERAL NOTE: WALL MOUNTED EMERGENCY BATTERY PACK SHALL BE CONNECTED AHEAD OF LOCAL AREA SWITCH.
- GENERAL NOTE: AREA LIGHTS SHALL BE CONTROLLED BY WALL MOUNTED OCCUPANCY SENSOR WITH 0-10V DIMMING (IE: WATTSTOPPER DUAL TECHNOLOGY LINE VOLTAGE #DW-311, SUITABLE FOR OPERATION AT 120V).
- GENERAL NOTE: ALL LIGHT FIXTURES SHALL BE SUITABLE FOR OPERATION AT 120 VOLT. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH LIGHTING OWNER/ARCHITECT/LIGHTING VENDOR FOR FINAL FIXTURE SELECTIONS.
- GENERAL NOTE: ALL LIGHT FIXTURES SHALL BE NEW HIGH EFFICIENCY TYPE FIXTURE SUITABLE FOR OPERATION AT 120 VOLT. 75% LAMPS IN PERMANENT FIXTURES OR 75% PERMANENT FIXTURES USE HIGH EFFICIENCY LAMPS.
- GENERAL NOTE: CONTRACTOR SHALL PROVIDE NEW TYPED PANEL DIRECTORY FOR ALL PANELS.
- GENERAL NOTE: EXISTING TO REMAIN LIGHT FIXTURE SHALL BE RETROFITTED WITH LED LAMPS.
- GENERAL NOTE: FIXTURE TYPE S2 SHALL BE CONTROLLED BY WALL MOUNTED ELV DIMMER SWITCH.
- GENERAL NOTE: SEE WIRING DIAGRAM DETAIL 1/E002 FOR HALL 103 LIGHTING CONTROLS.
- EXTERIOR LIGHTS SHALL BE CONTROLLED BY TIME CLOCK FOR THE ON/OFF OPERATION.



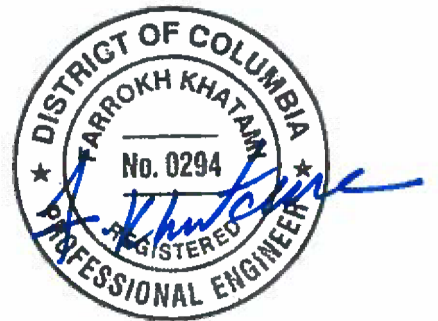
0' 2' 4' 6'



Capitol Engineering Group
1823 K Street NW, Suite 370 Washington, DC 20006 (202) 215-0870 www.CEGROUP.com
Project No. 20021

Atelier Mjk

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995



LATVIAN EMBASSY
2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△	Comments	07/29/20
△	Comments	08/04/20
△	Final Set	08/10/20
△		
△		
△		

DATE: Permit 06/19/20

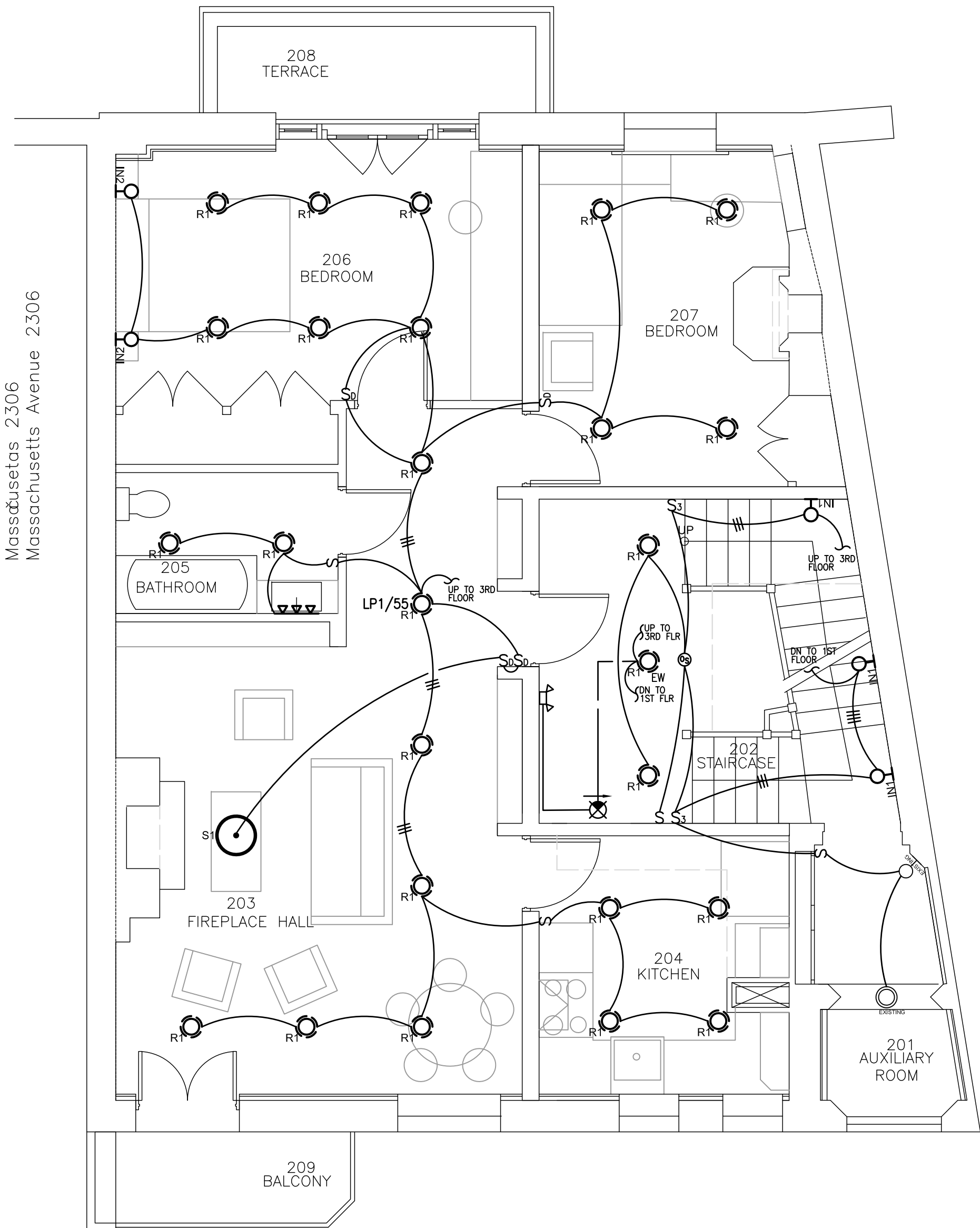
SHEET NAME:

ELECTRICAL
FLOOR PLANS
LIGHTING

SHEET #:

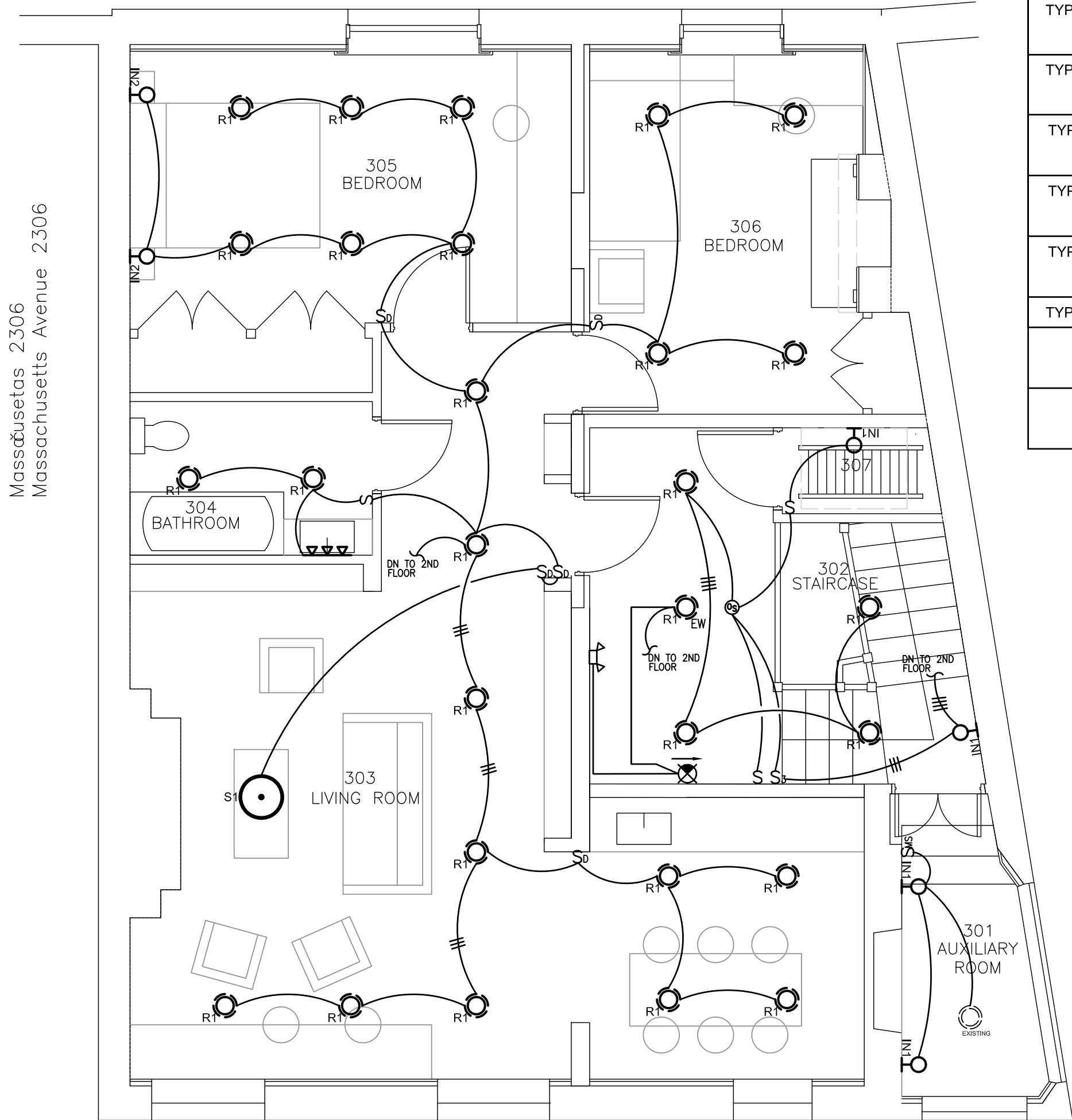
E002

Massachusetts 2306
Massachusetts Avenue 2306



1 ELECTRICAL SECOND FLOOR PLAN – LIGHTING
SCALE: 1/4"= 1' – 0"

Massachusetts 2306
Massachusetts Avenue 2306



2 ELECTRICAL THIRD FLOOR PLAN – LIGHTING
SCALE: 1/4"= 1' – 0"

DESIGNATION	SYMBOL	DESCRIPTION
TYPE R1		New 6" square apert, LED downlight, 0-10V Dimming, 1100L, Manufacturer: Caliber commercial Cat#: 6SOLF2X-NF 1100L 35K E1 (10W Led)
TYPE R2 (In shower)		New 6" square apert, LED downlight, 0-10V Dimming, 980L, Manufacturer: Caliber commercial Cat#: 6SOLF2X1100 35K E1 (10W Led)
TYPE S1		New FINURA 5 LIGHT PENDANT, 5x6W LED Candelabra lamps Manufacturer: Quorum International Cat#: 819-5-65 (Dimmable, 30W Led)
TYPE S2		New Seng 1 - Light Unique / Statement Geometric LED Pendant Manufacturer: Oren Elvik, 27K, 3713L Cat#: Twisted ES30645-MW (ELV Dimmable, 83W Led)
TYPE VANITY LIGHT		New Linear Wall Lamp (horizontal position), 3000K, 2050L Manufacturer: PERFORMANCE IN LIGHTING Cat#: QUASAR 60 TECH EMPK 070418 (19W Led)
TYPE EX1		New exterior wall mounted luminaire, 3000K, 486L, Manufacturer: Sistemalux Cat#: 4551-0024-080-120-LTE (10W Led)
TYPE IN1		New Linear Wall Lamp (vert. position), 3000K, 4026L, 0-10V Dim Manufacturer: PERFORMANCE IN LIGHTING Cat#: QUASAR 60 B DOUBLE TECH 3100851 (38W Led)
TYPE IN2		New Linear Wall Mount Direct/Indirect (vert. position), 3000K, Manufacturer: Inter-lux, (0-10V Dimming) Cat#: WG-20LD1 direct/indirect (376.4 W/Infl, 19.2W Led)
TYPE IN3		New Linear Wall Lamp, 3000K, 8388L, 0-10V Dimmable Manufacturer: PERFORMANCE IN LIGHTING Cat#: MIMIK 50 B TYPE IV 079875 (78W Led)
TYPE EXISTING		Existing lighting fixture
X		New LED Exit Sign Manufacturer: Lithonia Lighting Quantum Cat#: LHQM LED R HO SD w/ ELA Q LO309 SD
X1		New LED Remote Head Manufacturer: Lithonia Lighting Quantum Cat#: LHQM LED R HO SD w/ ELA Q LO309 SD

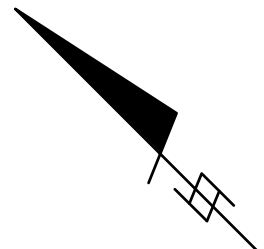
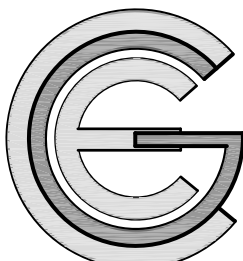
LIGHTING LEGEND

- NEW LED EMERGENCY EXIT SIGN WITH EMERGENCY BATTER BACKUP DRIVERS, ARROWS INDICATE PATH OF TRAVEL.
- NEW REMOTE EXTERIOR EXTERIOR EMERGENCY LIGHT CONNECTED TO EXIT SIGN.
- NEW LED EMERGENCY BATTERY PACK CONNECTED AHEAD OF ANY LOCAL SWITCHES.
- WALL MOUNTED TOGGLE LIGHT SWITCH.
- WALL MOUNTED DIMMER LIGHT SWITCH.
- WALL MOUNTED 3-WAY LIGHT SWITCH.
- WALL MOUNTED 4-WAY LIGHT SWITCH.
- WALL MOUNTED COMBINATION OCCUPANCY SENSOR/DIMMER SWITCH.
- NEW WALL MOUNTED MOTION SENSOR, WATTSTOPPER LINE VOLTAGE DUAL TECHNOLOGY #DW-100-W.
- CEILING MOUNTED OCCUPANCY SENSOR, WATTSTOPPER LINE VOLTAGE DUAL TECHNOLOGY #DT-355/CA-1.

DRAWING ELECTRICAL NOTES

- GENERAL NOTE: ALL RECESSED LIGHT FIXTURES INSTALLED IN INSULATED CEILINGS SHALL BE PROVIDED WITH IC INSULATED HOUSING. IC-RATED RECESSED LIGHTING FIXTURES SEALED AT HOUSING/INTERIOR FINISH AND LABELED TO INDICATE ≤ 2.0 CFM LEAKAGE AT 75 Pa.
- ALL DEVICES SHALL BE NEW UNLESS OTHERWISE NOTED. NEW DEVICES SHALL BE WHITE WITH WHITE COVER PLATES.
- ALL LIGHT FIXTURES SHALL BE NEW HIGH EFFICIENCY TYPE FIXTURE SUITABLE FOR OPERATION AT 120 VOLT. 75% LAMPS IN PERMANENT FIXTURES OR 75% PERMANENT FIXTURES USE HIGH EFFICIENCY LAMPS.
- THE ELECTRICAL PLANS ARE DIAGRAMATIC IN NATURE, CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY EXISTING CONDITIONS AND ADJUST ACCORDANTLY.
- GENERAL NOTE: ALL RECEPTACLES SHALL BE TAMPER RESISTANT UNLESS OTHERWISE NOTED.
- GENERAL NOTE: SMOKE/Co2 DETECTOR/Co2 – 120V WITH BATTERY BACKUP.
- GENERAL NOTE: ALL 125 VOLT, SINGLE PHASE, 15 AND 20 AMP APARTMENT BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT (E.G. SWITCHES, LIGHTS, SMOKE ALARM, ETC) IN FAMILY ROOMS, LIVING ROOMS, LIBRARIES, DENS, BEDROOMS, CLOSETS, HALLWAYS OR SIMILAR ROOMS SHALL BE PROTECTED BY A LISTED COMBINATION-TYPE ARC-FAULT CIRCUIT INTERRUPTER TO PROVIDE PROTECTION OF BRANCH CIRCUIT.

0' 2' 4' 6'



Capitol Engineering Group
1823 K Street NW, Suite 372 Washington, DC, 20006 (202)233-6879 www.CEGG.com
Project No. 20021

Atelier Mjk

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)–643–3995



LATVIAN EMBASSY
2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:

	Comments 07/29/20
	Comments 08/04/20
	Final Set 08/10/20

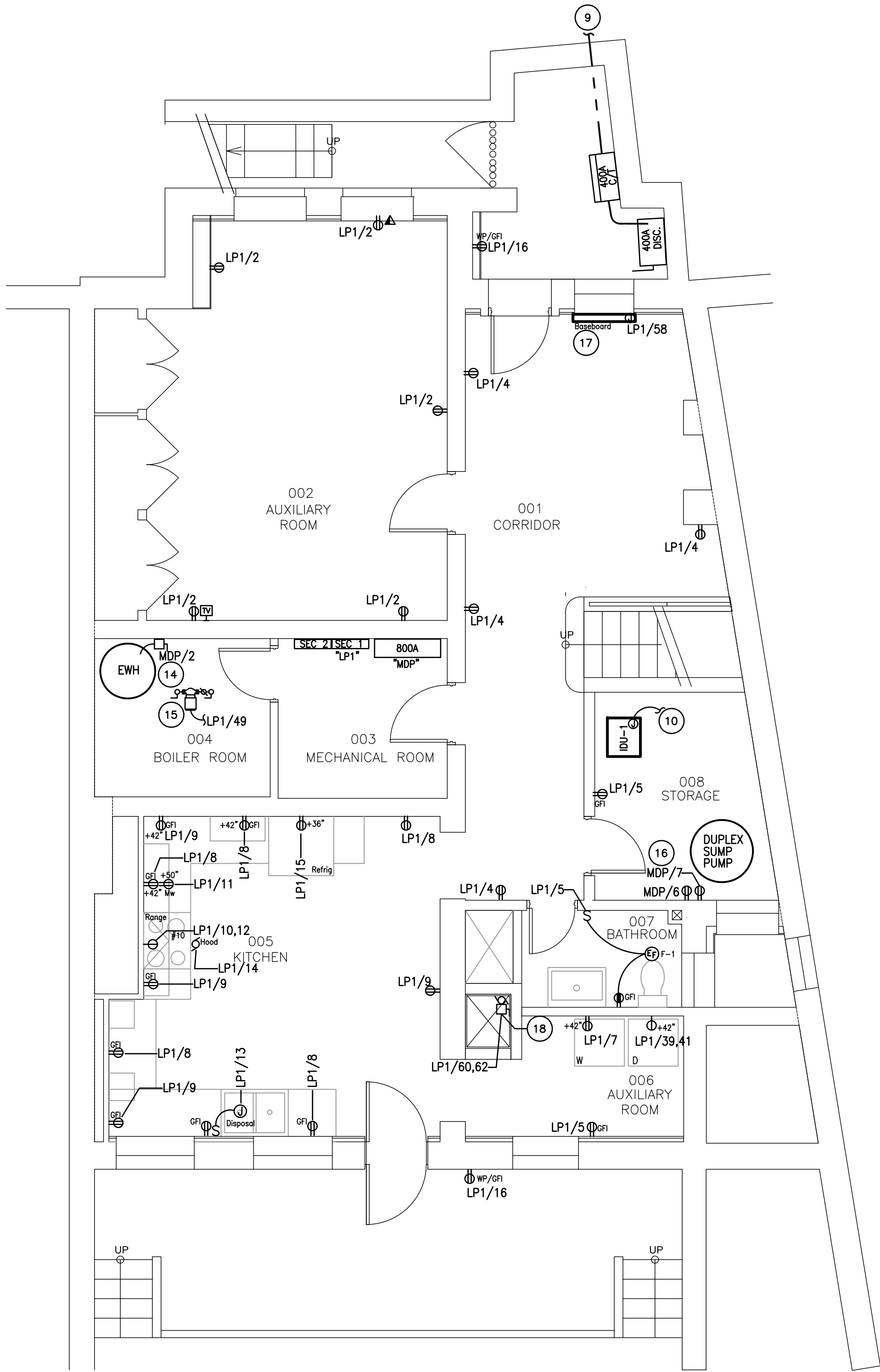
DATE: Permit 06/19/20

SHEET NAME:

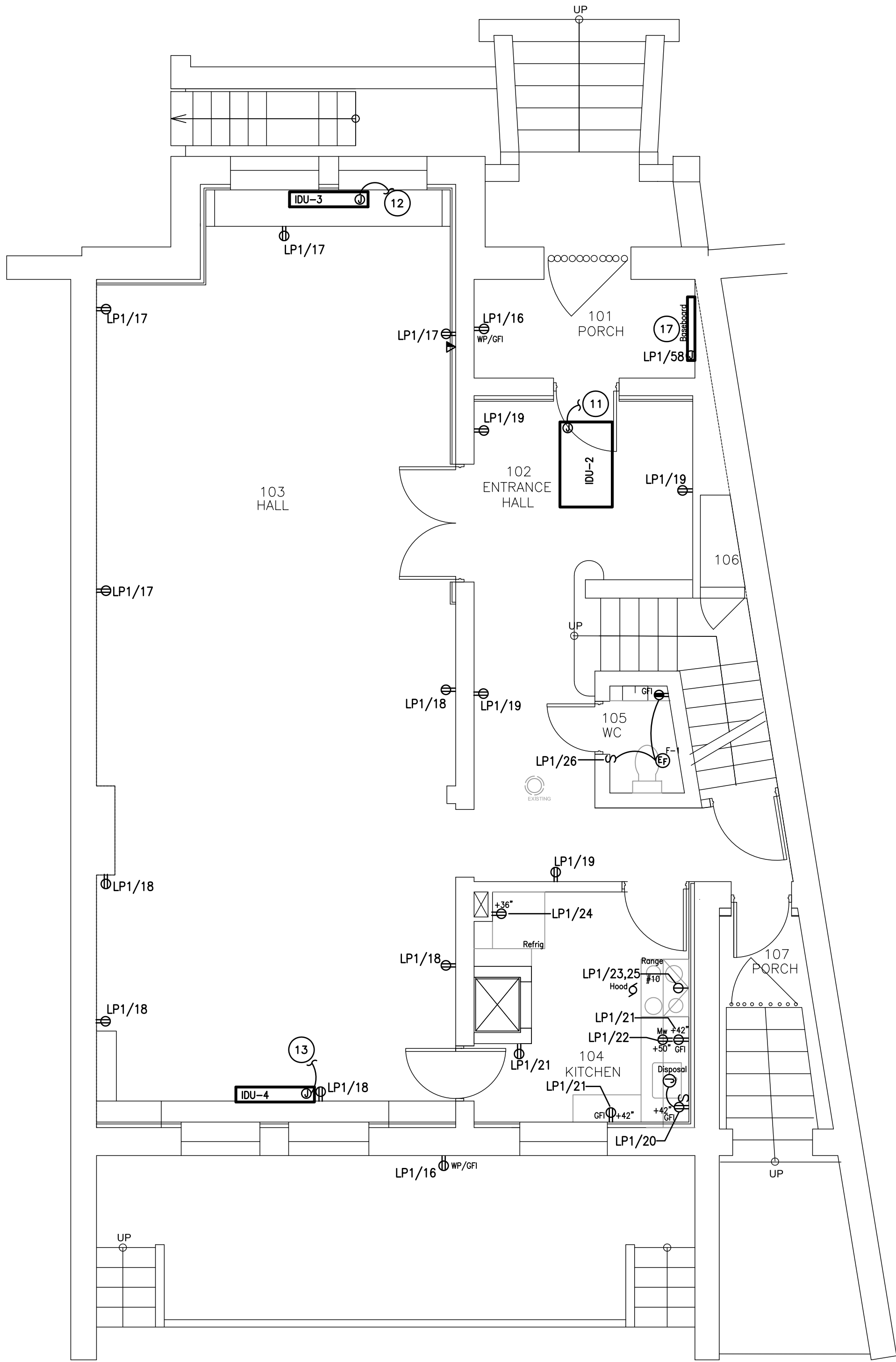
ELECTRICAL
FLOOR PLANS
LIGHTING

SHEET #:

E003



1 ELECTRICAL BASEMENT PLAN – POWER
SCALE: 1/4"= 1' – 0"



2 ELECTRICAL FIRST FLOOR PLAN – POWER
SCALE: 1/4"= 1' – 0"

POWER LEGEND

- S WALL MOUNTED TOGGLE SWITCH MTD @ +48" UON.
- DOUBLE DUPLEX RECEPTACLE – MTD @ +18" UON.
- DUPLEX RECEPTACLE – MTD @ +18" UON.
- DUPLEX RECEPTACLE – GFCI TYPE MTD @ +44" UON.
- DUPLEX RECEPTACLE – WEATHERPROOF/GFCI TYPE MTD @ +18" UON.
- DUPLEX RECEPTACLE – GFCI TYPE MTD @ +42" UON.
- SIMPLEX RECEPTACLE – NEMA CONFIGURATION AS REQUIRED BY MANUFACTURER +44" UON.
- FLUSH FLOOR BOX W/DUPLEX RECEPTACLE.
- DATA/NETWORK/TELEPHONE OUTLET – MTD @ +18" UON.
- CABLE TV OUTLET – MTD @ +18" UON.
- CEILING MOUNTED COMBINATION SMOKE/Co2 DETECTOR 120V HARD WIRED WITH BATTERY BACKUP.
- FUSE SAFETY SWITCH.
- MOTOR RATED SWITCH.
- TOILET EXHAUST FAN
- MOTORIZED DAMPER

DRAWING ELECTRICAL NOTES

- THE ELECTRICAL PLANS ARE DIAGRAMTIC IN NATURE, CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT DIMENSIONS.
- ALL DEVICES SHALL BE NEW UNLESS OTHERWISE NOTED. NEW DEVICES SHALL BE RECTANGULAR DECOR STYLE WHITE IN COLOR WITH WHITE COVER PLATES.
- GENERAL NOTE: ALL NEW DEVICES SHALL BE DECOR RECTANGULAR TYPE, WHITE IN COLOR WITH WHITE COVER PLATE.
- GENERAL NOTE: COMBINATION SMOKE/Co2 DETECTOR – 120V WITH BATTERY BACKUP.
- GENERAL NOTE: ALL RECEPTACLES IN THE RESIDENTIAL AREAS SHALL BE TAMPER RESISTANT UNLESS OTHERWISE NOTED.
- GENERAL NOTE: SMOKE/Co2 DETECTOR/Co2 – 120V WITH BATTERY BACKUP.
- GENERAL NOTE: ALL 125 VOLT, SINGLE PHASE, 15 AND 20 AMP BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN RESIDENTIAL AREAS (E.G. SWITCHES, LIGHTS, SMOKE ALARM, ETC) IN FAMILY ROOMS, LIVING ROOMS, LIBRARIES, DENs, BEDROOMS, CLOSETS, HALLWAYS OR SIMILAR ROOMS SHALL BE PROTECTED BY A LISTED COMBINATION-TYPE ARC-FAULT CIRCUIT INTERRUPTER TO PROVIDE PROTECTION OF BRANCH CIRCUIT. CONTRACTOR MAY USE ARC-FAULT C/B AS MAY BE REQUIRED.
- KITCHEN APPLIANCES:
 - a) REFRIGERATOR.
 - b) ELECTRIC RANGE.
 - c) DISPOSAL.
 - d) DISHWASHER.
 - e) MICROWAVE.
- NEW INCOMING UNDERGROUND ELECTRICAL SERVICE FROM PEPCO. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH PEPCO FOR NEW SERVICE REQUIREMENTS.
- NEW IDU-1 FED FROM VRV-1. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION AND POINT OF CONNECTION.
- NEW IDU-2 FED FROM IDU-1. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION AND POINT OF CONNECTION.
- NEW IDU-3 FED FROM IDU-2. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION AND POINT OF CONNECTION.
- NEW IDU-4 FED FROM IDU-3. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION AND POINT OF CONNECTION.
- NEW ELECTRIC HOT WATER HEATER: 4.5KW, 208V/1Ø, PROVIDE 2/30/30 FSS AT UNIT LOCATION, PROVIDE 2P30A HACR CIRCUIT BREAKER AT DESIGNATED PANEL WITH #10 AWG IN 3/4" CONDUIT. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH PLUMBING CONTRACTOR FOR EXACT LOCATION AND POINT OF CONNECTION.
- TACO RECIRC PUMP: 115V/1Ø, 1.4A, 3/4HP. ELECTRICAL CONTRACTOR SHALL CONNECT TO LOCAL 120V SOURCE FOR POWER. CONTRACTOR SHALL COORDINATE WITH PLUMBING CONTRACTOR FOR EXACT LOCATION AND POINT OF CONNECTION.
- NEW DUPLEX SUMP PUMP: 3/4HP EACH, 120V/1Ø, PROVIDE GFCI OUTLET AT UNIT LOCATION, PROVIDE 1P20A HACR CIRCUIT BREAKER AT DESIGNATED PANEL WITH #12 AWG IN 3/4" CONDUIT. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH PLUMBING CONTRACTOR FOR EXACT LOCATION AND POINT OF CONNECTION.
- NEW ELECTRIC BASEBOARD HEATER: 120V/1Ø, 150W/FT, EACH 450 WATTS, CONNECT POWER TO BASEBOARD CONTROLS, PROVIDE 1P20A HACR CIRCUIT BREAKER AT DESIGNATED PANEL WITH #12 AWG IN 3/4" CONDUIT TO CONTROL BOTH UNITS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION AND POINT OF CONNECTION.
- NEW DUMBWATER: 208V/1Ø, 1HP, PROVIDE 2/30/20 FUSE SAFETY SWITCH AT DUMBWATER MOTOR LOCATION AT ACCESS POINT, PROVIDE 2P20A HACR CIRCUIT BREAKER AT DESIGNATED PANEL WITH #12 AWG IN 3/4" CONDUIT. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH EQUIPMENT VENDOR FOR EXACT LOCATION AND POINT OF CONNECTION.

Atelier Mjk

ATELIER Mjk
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)–643–3995



LATVIAN EMBASSY
2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△	Comments	07/29/20
△	Comments	08/04/20
△	Final Set	08/10/20
△		
△		
△		

DATE: Permit 06/19/20

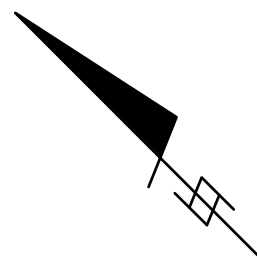
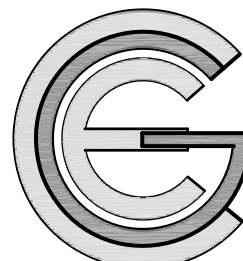
SHEET NAME:

ELECTRICAL
FLOOR PLANS
POWER

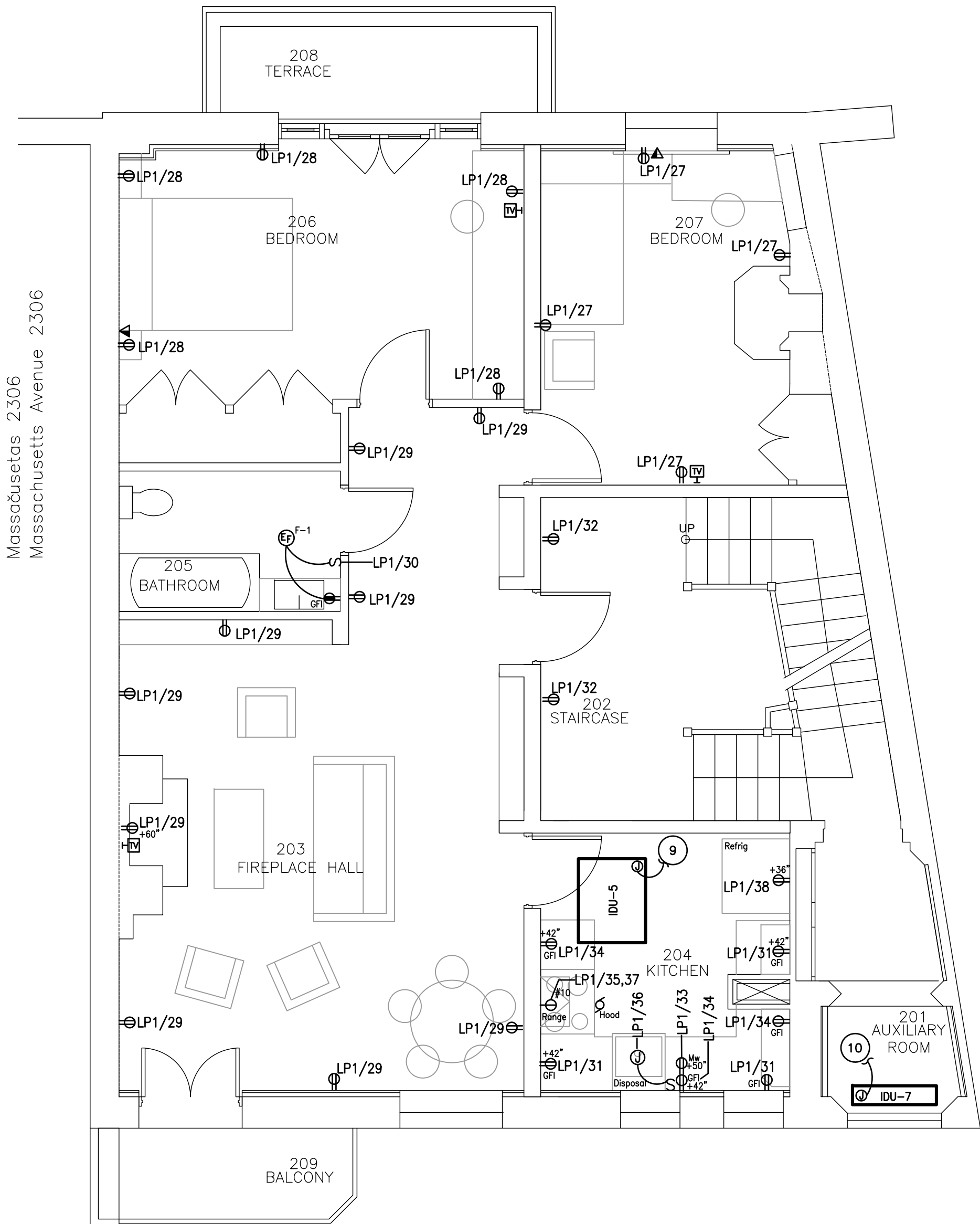
SHEET #:

E004

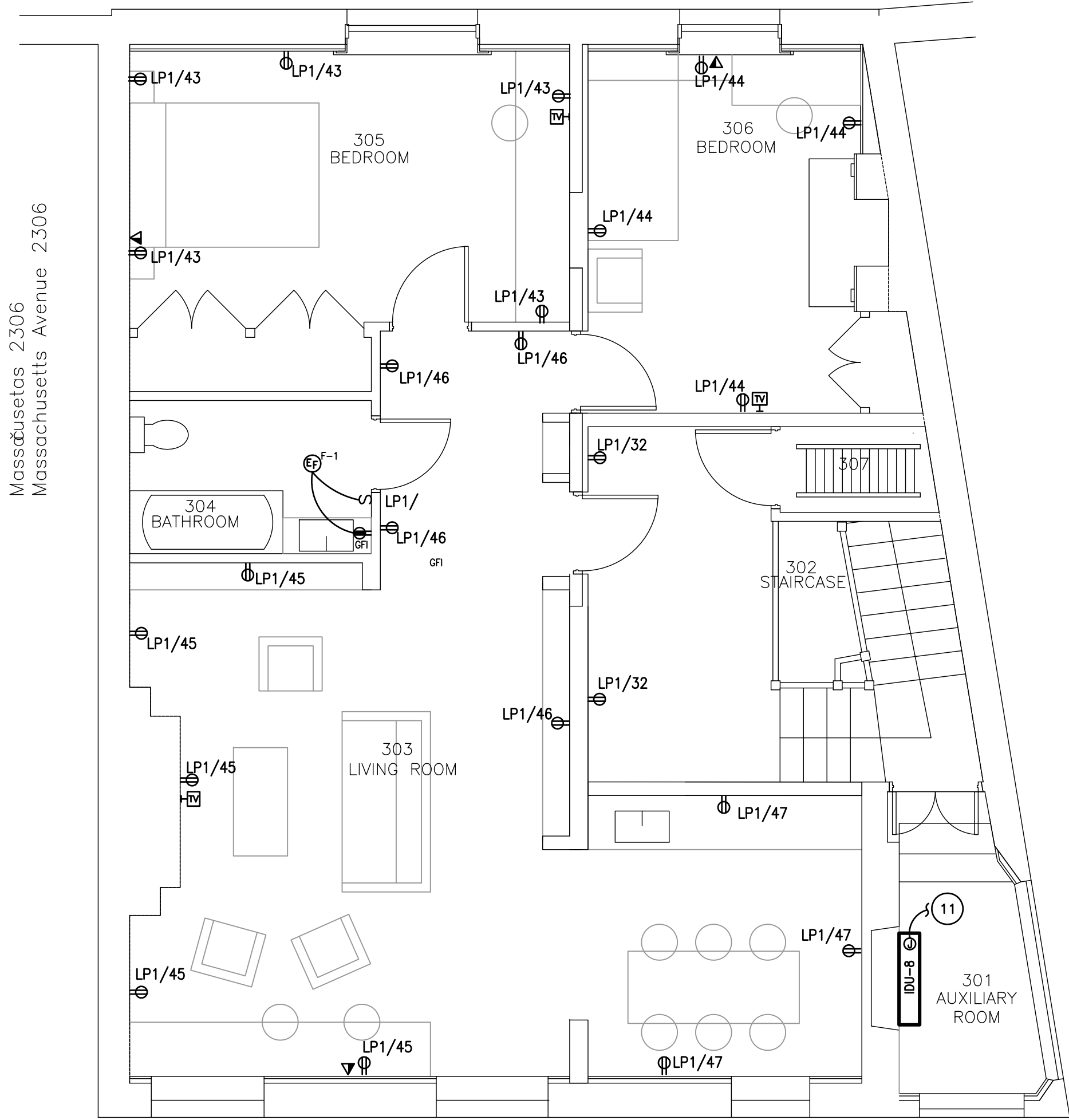
0' 2' 4' 6'



Capitol Engineering Group
1825 K Street NW, Suite 770 Washington DC, 20006 (202)251-0870 www.CEGG.com
Project No. 20021



1 ELECTRICAL SECOND FLOOR PLAN – POWER
SCALE: 1/4"= 1' – 0"



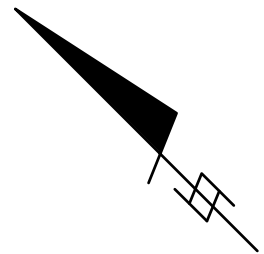
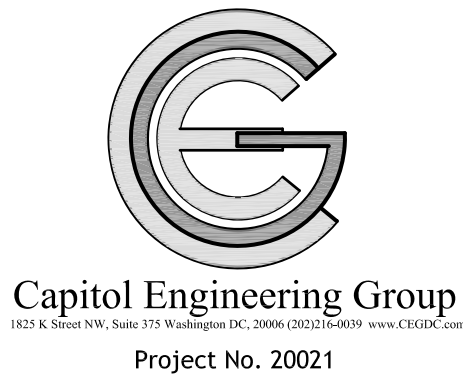
2 ELECTRICAL THIRD FLOOR PLAN – POWER
SCALE: 1/4"= 1' – 0"

POWER LEGEND

S WALL MOUNTED TOGGLE SWITCH MTD @ +48" UON.
DOUBLE DUPLEX RECEPTACLE – MTD @ +18" UON.
DUPLEX RECEPTACLE – MTD @ +18" UON.
DUPLEX RECEPTACLE – GFCI TYPE MTD @ +44" UON.
DUPLEX RECEPTACLE – WEATHERPROOF/GFCI TYPE MTD @ +18" UON.
DUPLEX RECEPTACLE – GFCI TYPE MTD @ +42" UON.
SIMPLEX RECEPTACLE – NEMA CONFIGURATION AS REQUIRED BY MANUFACTURER +44" UON.
FLUSH FLOOR BOX W/DUPLEX RECEPTACLE.
DATA/NETWORK/TELEPHONE OUTLET – MTD @ +18" UON.
CABLE TV OUTLET – MTD @ +18" UON.
CEILING MOUNTED COMBINATION SMOKE/Co2 DETECTOR 120V HARD WIRED WITH BATTERY BACKUP.
FUSE SAFETY SWITCH.
MOTOR RATED SWITCH.
TOILET EXHAUST FAN
MOTORIZED DAMPER

- DRAWING ELECTRICAL NOTES**
- THE ELECTRICAL PLANS ARE DIAGRAMATIC IN NATURE, CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT DIMENSIONS.
 - ALL DEVICES SHALL BE NEW UNLESS OTHERWISE NOTED. NEW DEVICES SHALL BE RECTANGULAR DECOR STYLE WHITE IN COLOR WITH WHITE COVER PLATES.
 - GENERAL NOTE: ALL NEW DEVICES SHALL BE DECOR RECTANGULAR TYPE, WHITE IN COLOR WITH WHITE COVER PLATE.
 - GENERAL NOTE: COMBINATION SMOKE/Co2 DETECTOR – 120V WITH BATTERY BACKUP.
 - GENERAL NOTE: ALL RECEPTACLES IN THE RESIDENTIAL AREAS SHALL BE TAMPER RESISTANT UNLESS OTHERWISE NOTED.
 - GENERAL NOTE: SMOKE/Co2 DETECTOR/Co2 – 120V WITH BATTERY BACKUP.
 - GENERAL NOTE: ALL 125 VOLT, SINGLE PHASE, 15 AND 20 AMP BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN RESIDENTIAL AREAS (E.G. SWITCHES, LIGHTS, SMOKE ALARM, ETC) IN FAMILY ROOMS, LIVING ROOMS, LIBRARIES, DENS, BEDROOMS, CLOSETS, HALLWAYS OR SIMILAR ROOMS SHALL BE PROTECTED BY A LISTED COMBINATION-TYPE ARC-FAULT CIRCUIT INTERRUPTER TO PROVIDE PROTECTION OF BRANCH CIRCUIT. CONTRACTOR MAY USE ARC-FAULT C/B AS MAY BE REQUIRED.
 - KITCHEN APPLIANCES:
a) REFRIGERATOR.
b) ELECTRIC RANGE.
c) DISPOSAL.
d) DISHWASHER.
e) MICROWAVE.
 - NEW IDU-5 FED FROM VRY-2. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION AND POINT OF CONNECTION.
 - NEW IDU-7 FED FROM IDU-6. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION AND POINT OF CONNECTION.
 - NEW IDU-8 FED FROM IDU-7. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION AND POINT OF CONNECTION.

0' 2' 4' 6'



Atelier Mjk

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)–643–3995



LATVIAN EMBASSY
2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:		
△	Comments	07/29/20
△	Comments	08/04/20
△	Final Set	08/10/20
△		
△		
△		

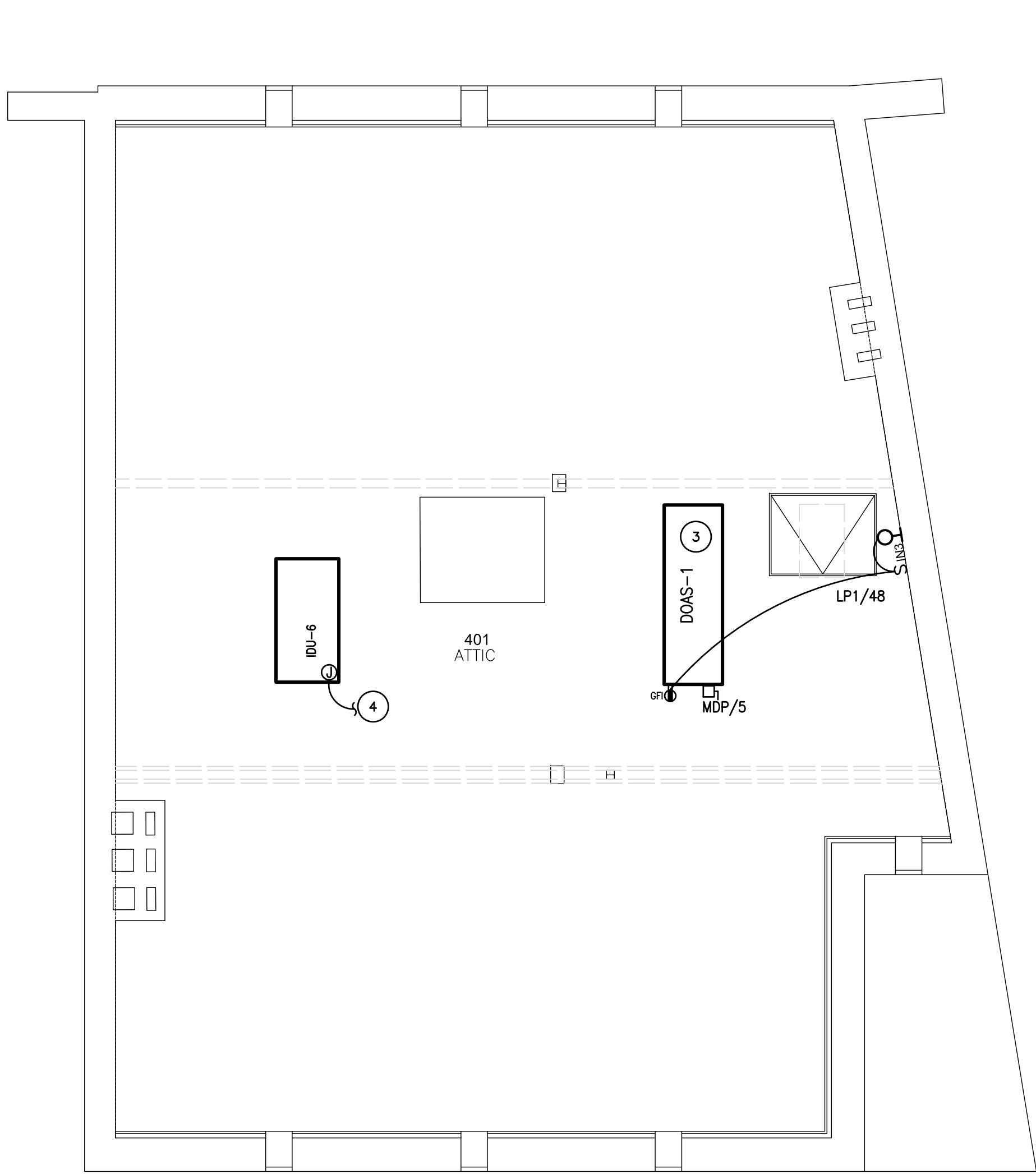
DATE: Permit 06/19/20

SHEET NAME:

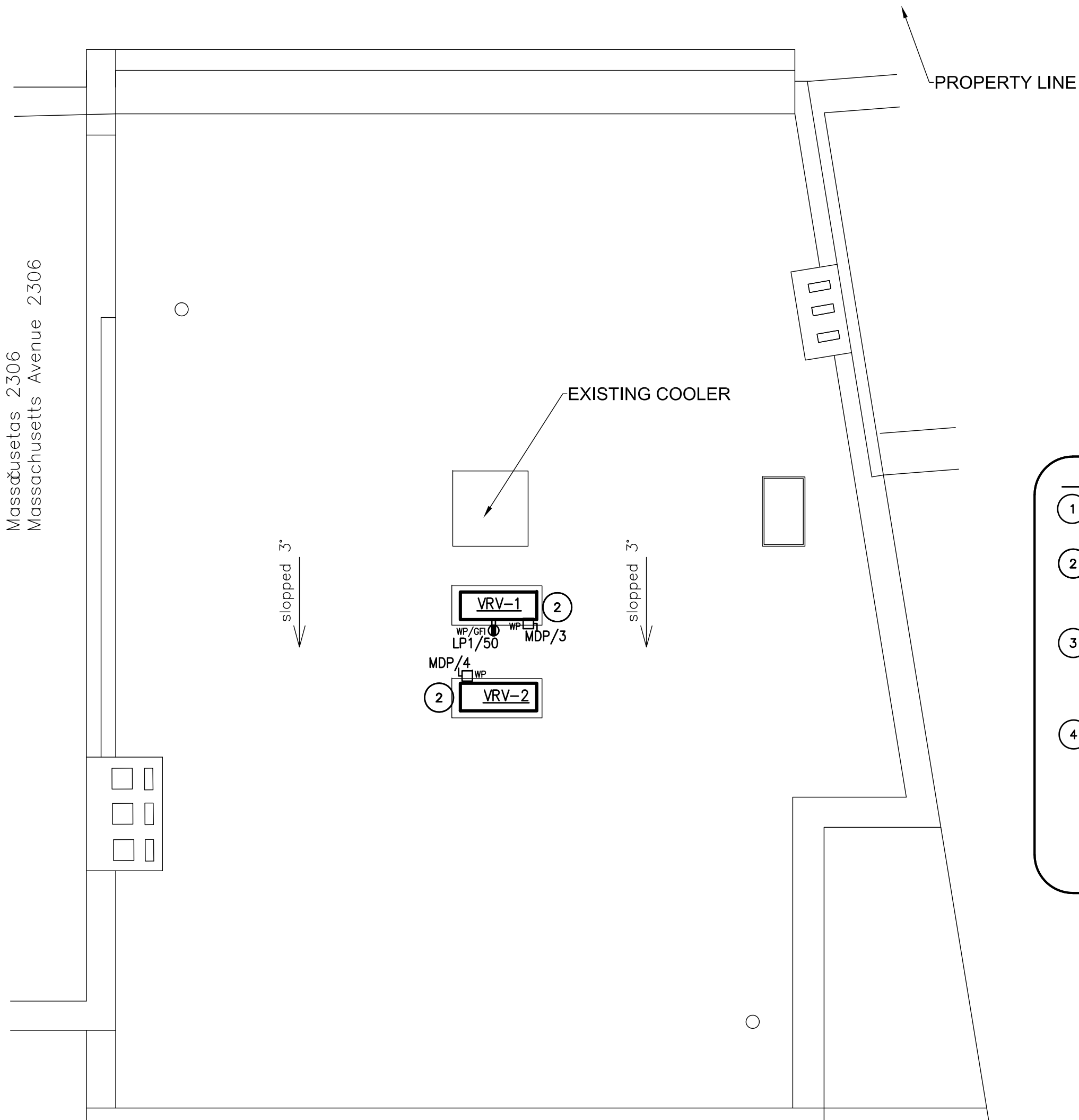
ELECTRICAL
FLOOR PLANS
POWER

SHEET #:

E005



1 ELECTRICAL ATTIC FLOOR PLAN
SCALE: 1/4"= 1' - 0"



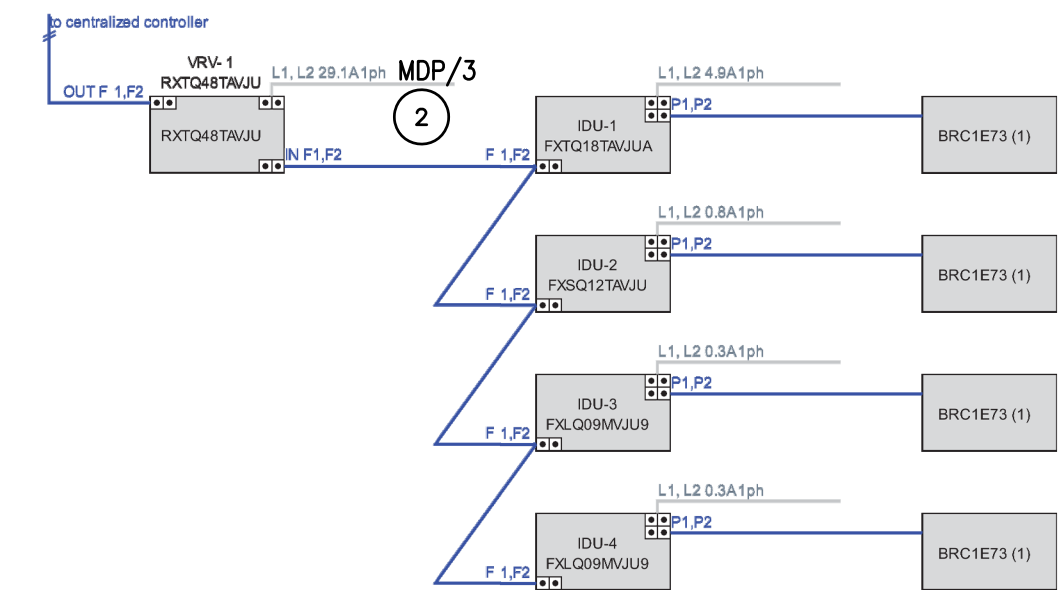
2 ELECTRICAL ROOF PLAN
SCALE: 1/4"= 1' - 0"

- DRAWING ELECTRICAL NOTES**
- 1 THE ELECTRICAL PLANS ARE DIAGRAMTIC IN NATURE, CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY EXISTING CONDITIONS AND ADJUST ACCORDANTLY.
 - 2 NEW VRV-1 (ROOF MTD, VRV-2 SIMILAR): 208V/1Ø, MCA=29.1A, MOCp= 35A, PROVIDE 2/60/35 WEATHERPROOF FSS AT UNIT LOCATION, PROVIDE 2P35 HACR CIRCUIT BREAKER AT DESIGNATED PANEL WITH #8 AWG IN 3" CONDUIT. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION AND POINT OF CONNECTION.
 - 3 NEW DOAS-1 (ATTIC MTD): 208V/1Ø, MCA= 10.2A, MOCp= 15A, PROVIDE 2/30/15 WEATHERPROOF FSS AT UNIT LOCATION, PROVIDE 2P15 HACR CIRCUIT BREAKER AT DESIGNATED PANEL WITH #10 AWG IN 3" CONDUIT. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION AND POINT OF CONNECTION.
 - 4 NEW IDU-6 FED FROM IDU-5. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION AND POINT OF CONNECTION.



Wiring diagrams

Wiring VRV- 1

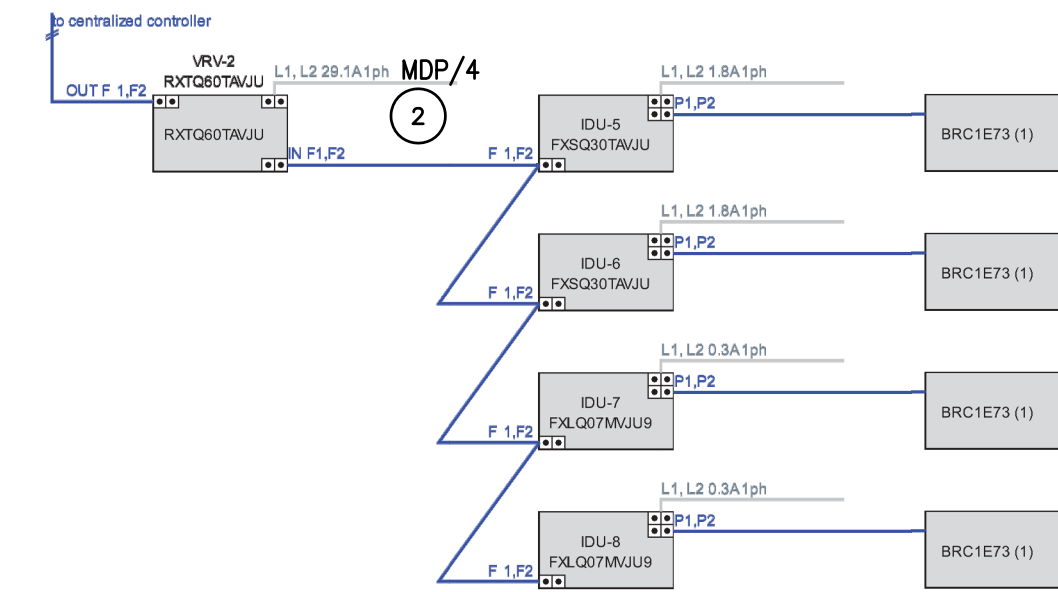


Remarks

F1F2 = AWG 18-2 is required - however always refer to local code for further information.
P1P2 = AWG 18-2 is required - however always refer to local code for further information.

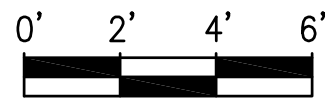
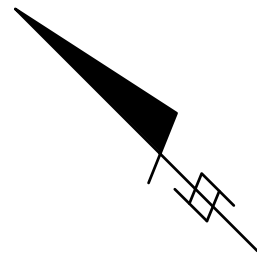
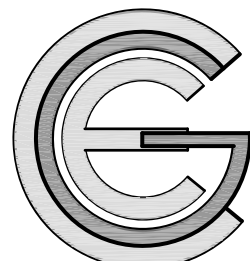


Wiring VRV-2



Remarks

F1F2 = AWG 18-2 is required - however always refer to local code for further information.
P1P2 = AWG 18-2 is required - however always refer to local code for further information.



Capitol Engineering Group
1822 K Street NW, Suite 372 Washington, DC, 20006 (202)255-6879 www.CEGGDC.com
Project No. 20021

Atelier Mjk

ATELIER Mjk
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995



LATVIAN EMBASSY
2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:

△	Comments	07/29/20
△	Comments	08/04/20
△	Final Set	08/10/20
△		
△		
△		

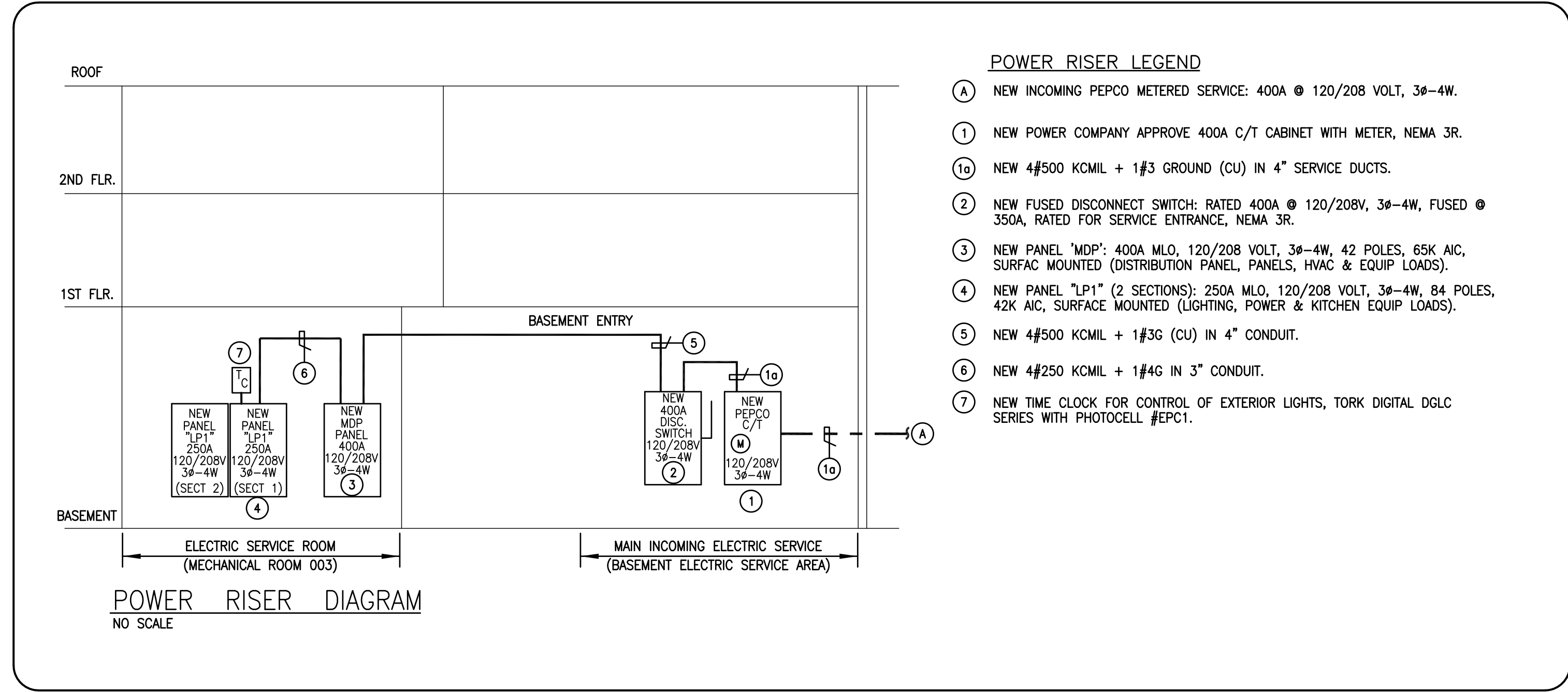
DATE: Permit 06/19/20

SHEET NAME:

ELECTRICAL
FLOOR PLANS

SHEET #:

E006



- DRAWING ELECTRICAL DEMOLITION NOTES
- D1. CONTRACTOR SHALL REMOVE ALL EXISTING NETWORK AND COMMUNICATION CABLES CURRENTLY LOCATED ABOVE HUNG CEILING THAT SERVE TENANT SPACE. EXISTING BACKBOXES, CONDUIT AND WALL RINGS, LOCATED ON PARTITIONS SCHEDULE TO REMAIN, SHALL BE REMOVED AND OPENINGS FILLED, PATCHED AND PAINTED. CONTRACTOR SHALL NOT REMOVE EXISTING TELEPHONE TRUNK LINES, THESE SHALL BE REUSED BY NEW TENANT.
 - D2. GENERAL NOTE: ALL EXISTING HOMERUNS, BRANCH CIRCUITS AND WIRING ARE SCHEDULED FOR REMOVAL. ALL SHALL BE CUT BACK TO SOURCE.
 - D3. GENERAL NOTE: ALL EXISTING ELECTRICAL SERVICE EQUIPMENT (IE: SERVICE METER, DISCONNECT SWITCHES, PANELBOARDS, OLD SERVICE EQUIPMENT, ETC) ARE SCHEDULED TO BE REMOVED. CONTRACTOR SHALL COORDINATE WITH PEPCO FOR EXISTING SERVICE SHUT DOWN AND FOR THE NEW SERVICE HEAVY UP.
 - D4. CONTRACTOR SHALL MAINTAIN AND RESTORE, IF INTERRUPTED BY REMOVALS OR IN PATH OF NEW CONSTRUCTION, ALL CIRCUITS, CONDUITS AND FEEDERS PASSING THROUGH AND SERVING UNDISTURBED AREAS (SHOWN OR NOT SHOWN).
 - D5. ALL ELECTRICAL DEVICES (SWITCHES, POWER & COMM. OUTLETS, ETC.) CURRENTLY EXISTING ON PARTITIONS SCHEDULED FOR DEMOLITION SHALL BE REMOVED. EXISTING BRANCH CIRCUITS SHALL BE TERMINATED PER NOTE D2 ABOVE.
 - D6. EXISTING LIGHT FIXTURES SCHEDULED FOR REMOVAL BUT NOT SCHEDULED FOR REUSE SHALL BE TURNED OVER TO THE BUILDING ENGINEER FOR DISPOSITION.
 - D7. EXISTING CABLE SCHEDULED TO REMAIN SHALL BE PROPERLY TIED AND SUPPORTED FROM BUILDING STRUCTURE.
 - D8. GENERAL NOTE: CONTRACTOR SHALL COORDINATE WITH EMBASSY SECURITY CONTACT FOR THE DISPOSITION OF EXISTING SECURITY SYSTEM.

PANEL SCHEDULE:			LP1 (NEW)								
PANEL FED FROM MDP VIA 3P250A C/B			PANELBOARD NOTES: 1. PROVIDE FEED--THRU LUGS.					SECTION 1 22K AIC			
VOLTAGE: 120/208V, 3ø-4W								BUS SIZE: 250A			
LOCATION: MECH RM 003								MAIN: 250A MLO			
DESCRIPTION	KVA	RATING	NO.	POLE	NO.	RATING	KVA	DESCRIPTION			
SMOKE/Co2 DETECTORS	0.5	20/1	1	A	2	20/1	0.9	RECEPTACLE (AUX RM/002)			
FIRE ALARM CONTROL PANEL	0.5	20/1	3	B	4	20/1	0.7	RECEPTACLE (CORRIDOR/001)			
RECEPTACLE (RMS/006,008)	0.2	20/1	5	C	6	20/1	0.5	FAN/RECEPTACLE (BATHROOM/007)			
WASHER (AUX RM/006)	1.5	20/1	7	A	8	20/1	1.5	APPLIANCE CKT (KITCHEN/005)			
APPLIANCE CKT (KITCHEN/005)	1.5	20/1	9	B	10	30/2	5.0	RANGE (KITCHEN/005)			
MICROWAVE (KITCHEN/005)	1.2	20/1	11	C	12	—	—	—			
DISPOSAL (KITCHEN/005)	1.2	20/1	13	A	14	20/1	0.3	HOOD FAN (KITCHEN/005)			
REFRIGERATOR (KITCHEN/005)	0.6	20/1	15	B	16	20/1	0.5	UTILITY OUTLET (EXTERIOR)			
RECEPTACLE (HALL/103)	0.7	20/1	17	C	18	20/1	0.9	RECEPTACLE (HALL/103)			
RECEPTACLE (ENTRANCE HALL/102)	0.7	20/1	19	A	20	20/1	1.5	APPLIANCE CKT (KITCHEN/104)			
APPLIANCE CKT (KITCHEN/104)	1.5	20/1	21	B	22	20/1	1.2	MICROWAVE (KITCHEN/104)			
RANGE (KITCHEN/104)	5.0	30/2	23	C	24	20/1	0.6	REFRIGERATOR (KITCHEN/104)			
—	—	—	25	A	26	20/1	0.5	FAN/RECEPTACLE (WC/105)			
RECEPTACLE (BEDROOM/207)	0.7	20/1	27	B	28	20/1	0.9	RECEPTACLE (BEDROOM/206)			
RECEPTACLE (GENERAL/203)	1.3	20/1	29	C	30	20/1	0.5	FAN/RECEPTACLE (BATHROOM/205)			
APPLIANCE CKT (KITCHEN/204)	1.5	20/1	31	A	32	20/1	0.7	RECEPTACLE (STAIR/202,302)			
MICROWAVE (KITCHEN/204)	1.2	20/1	33	B	34	20/1	1.5	APPLIANCE CKT (KITCHEN/204)			
RANGE (KITCHEN/204)	5.0	30/2	35	C	36	20/1	1.2	DISPOSAL (KITCHEN/204)			
—	—	—	37	A	38	20/1	0.6	REFRIGERATOR (KITCHEN/104)			
DRYER	5.0	30/2	39	B	40	20/1	—	SPARE			
—	—	—	41	C	42	20/1	—	SPARE			
PANELBOARD NEW CONNECTED LOAD: 81.1 KVA											
PANELBOARD NEW DEMAND LOAD: 68.8 KVA											

PANEL SCHEDULE:		LP1 (NEW)									
PANEL FED FROM LP1 SEC 1 VIA LUGS		PANELBOARD NOTES: 1. PROVIDE FEED-THRU LUGS.									
VOLTAGE: 120/208V, 3ø-4W		SECTION 2 22K AIC BUS SIZE: 250A MAIN: 250A MLO									
LOCATION: MECH RM 003											
DESCRIPTION	KVA	RATING	NO.	POLE	NO.	RATING	KVA	DESCRIPTION			
RECEPTACLE (BEDROOM/305)	0.9	20/1	43	A	44	20/1	0.7	RECEPTACLE (BEDROOM/306)			
RECEPTACLE (LIVING RM/303)	0.9	20/1	45	B	46	20/1	0.7	RECEPTACLE (HALL/303)			
RECEPTACLE (GENERAL/303)	0.5	20/1	47	C	48	20/1	0.4	UTILITY OUTLET & LIGHT (ATTIC)			
RECIRCULATING PUMP (BOILER RM)	0.2	15/1	49	A	50	20/1	0.2	UTILITY OUTLET (ROOF)			
SMOKE/Co2 DETECTOR	0.5	20/1	51	B	52	20/1	0.4	LIGHTS (FISRT FLOOR)			
LIGHTS (BASEMENT)	0.4	20/1	53	C	54	20/1	0.2	LIGHTS (EMERGENCY)			
LIGHTS (2ND & 3RD FLOORS)	0.7	20/1	55	A	56	20/1	0.5	LIGHTS (EXTERIOR)			
TIME CLOCK (EXTERIOR LIGHTS)	0.5	20/1	57	B	58	20/1	0.9	BASEBOARD HEATER (BASMT/1ST FLR)			
LIGHTS (STAIRS)	0.4	20/1	59	C	60	20/2	1.8	DUMBWATER- POWER (BASEMENT)			
SPARE	-	20/1	61	A	62	-	-	-			
SPARE	-	20/1	63	B	64	20/1	-	SPARE			
SPARE	-	20/1	65	C	66	20/1	-	SPARE			
SPARE	-	20/1	67	A	68	-/1	-	SPACE			
SPACE	-	-/1	69	B	70	-/1	-	SPACE			
SPACE	-	-/1	71	C	72	-/1	-	SPACE			
SPACE	-	-/1	73	A	74	-/1	-	SPACE			
SPACE	-	-/1	75	B	76	-/1	-	SPACE			
SPACE	-	-/1	77	C	78	-/1	-	SPACE			
SPACE	-	-/1	79	A	80	-/1	-	SPACE			
SPACE	-	-/1	81	B	82	-/1	-	SPACE			
SPACE	-	-/1	83	C	84	-/1	-	SPACE			

PANELBOARD SCHEDULE		MDP (NEW)						65K AIC	
400A MLO, 120/208V, 3Ø, 4 WIRE MECH RM 003	CIRCUIT NUMBER	SERVICE	PROTECTIVE DEVICE					FEEDER	
			KVA	TYPE	RATING (AMPS)	POLES	TRIP (NEMA)		
	1	PANEL "LP1"	47.6	CB	250	3	250	4#250 KCMIL+ 1#4 GROUND IN 3" CONDUIT	
	2	WATER HEATER	4.5	CB	30	2	30	3#10+ 1#10 GROUND IN 3/4" CONDUIT	
	3	VRV-1 (ROOF)	6.1	CB	35	2	35	2#8 + 1#8 GROUND 3/4" CONDUIT	
	4	VRV-1 (ROOF)	6.1	CB	35	2	35	2#8 + 1#8 GROUND 3/4" CONDUIT	
	5	DOAS-1	2.1	CB	15	2	15	2#10 + 1#10 GROUND 3/4" CONDUIT	
	6	SUMP PUMP	1.2	CB	20	1	20	2#12 + 1#12 GROUND 3/4" CONDUIT	
	7	SUMP PUMP	1.2	CB	20	1	20	2#12 + 1#12 GROUND 3/4" CONDUIT	
	8	SPACE	-	CB	-	3	-	-	
	9	SPACE	-	CB	-	3	-	-	
	10	SPACE	-	CB	-	3	-	-	
	11	SPACE	-	CB	-	3	-	-	
	12	SPACE	-	CB	-	3	-	-	
	13	SPACE	-	CB	-	3	-	-	
	14	SPACE	-	CB	-	3	-	-	
	15	SPACE	-	CB	-	3	-	-	
	16	SPACE	-	CB	-	3	-	-	
	17	SPACE	-	CB	-	3	-	-	
	18	SPACE	-	CB	-	3	-	-	
PANELBOARD CONNECTED LOAD: _____ KVA									

NEW PANEL "MDP" DEMAND LOAD (N.E.C.) (120/208 VOLT, 3ø-4W, 400 AMP MLO)	
NEW LOAD:	
LIGHTING LOAD:	0.0 KVA @ 125% = 0.0 KVA
HVAC LOAD:	14.3 KVA @ 100% = 14.3 KVA
MISC. LOAD:	6.9 KVA @ 100% = 6.9 KVA
PANEL LOAD:	47.6 KVA @ 100% = 47.6 KVA
TOTAL	68.8 KVA
68.8 KVA x 1000 = 191.1 AMPS (208V x 1.73)	

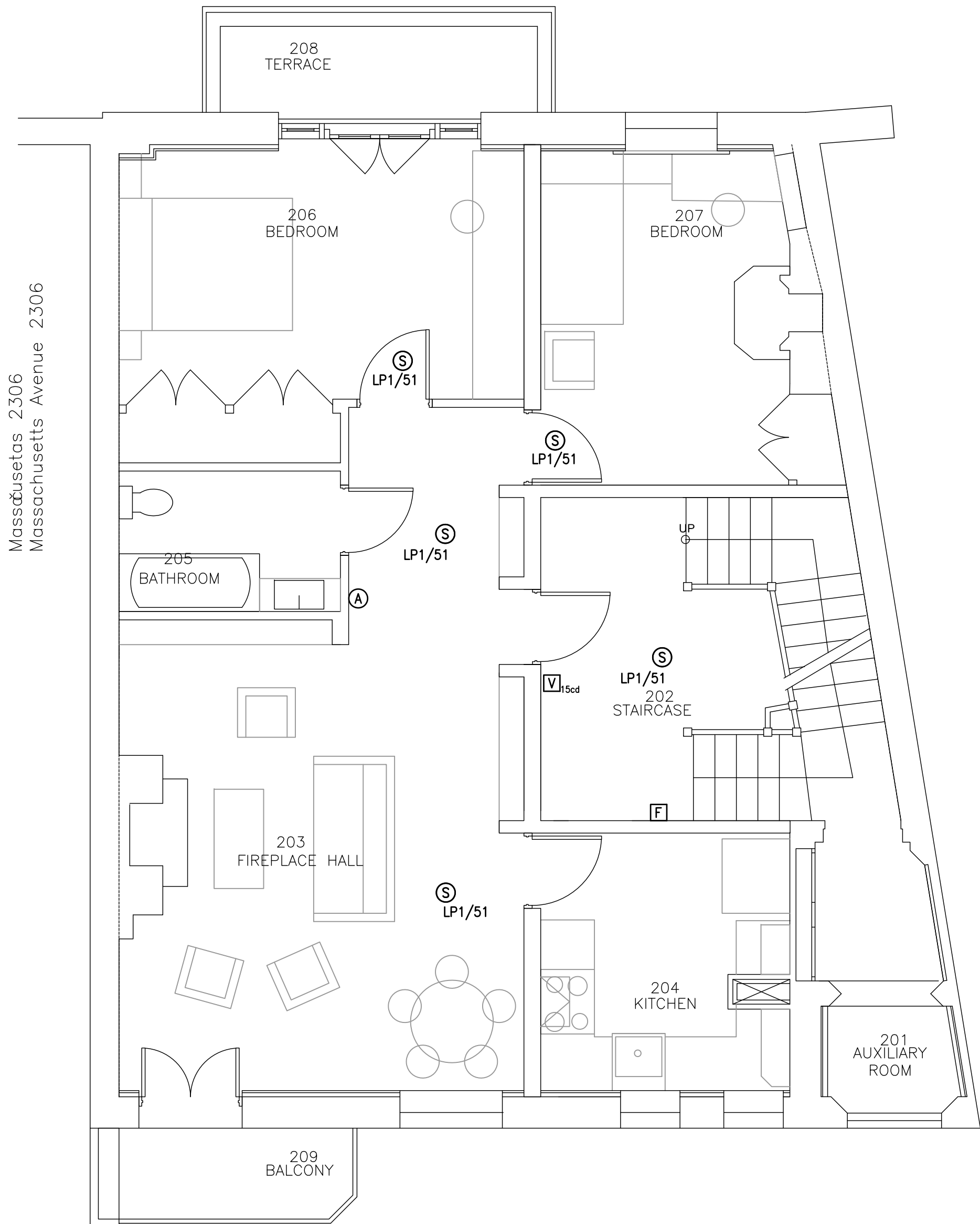
NEW PANEL "LP1" DEMAND LOAD (N.E.C.) (120/208 VOLT, 3ø-4W, 250 AMP MLO)	
NEW LOAD:	
LIGHTING LOAD:	2.6 KVA @ 125% = 3.3 KVA
HVAC LOAD:	1.2 KVA @ 100% = 1.2 KVA
MISC. LOAD:	10.5 KVA @ 100% = 10.5 KVA
KITCHEN LOAD:	31.8 KVA @ 65% = 20.7 KVA
RECEPTACLE LOADS: (13.8 KVA)	
1ST 10KVA @ 100%= 10.0KVA	
3.8 KVA @ 50% = 3.8KVA	
TOTAL	47.6 KVA
47.6 KVA x 1000 = 132.2 AMPS (208V x 1.73)	

REVISIONS:		
△	Comments	07/29/20
△	Comments	08/04/20
△	Final Set	08/10/20
△		
△		
△		

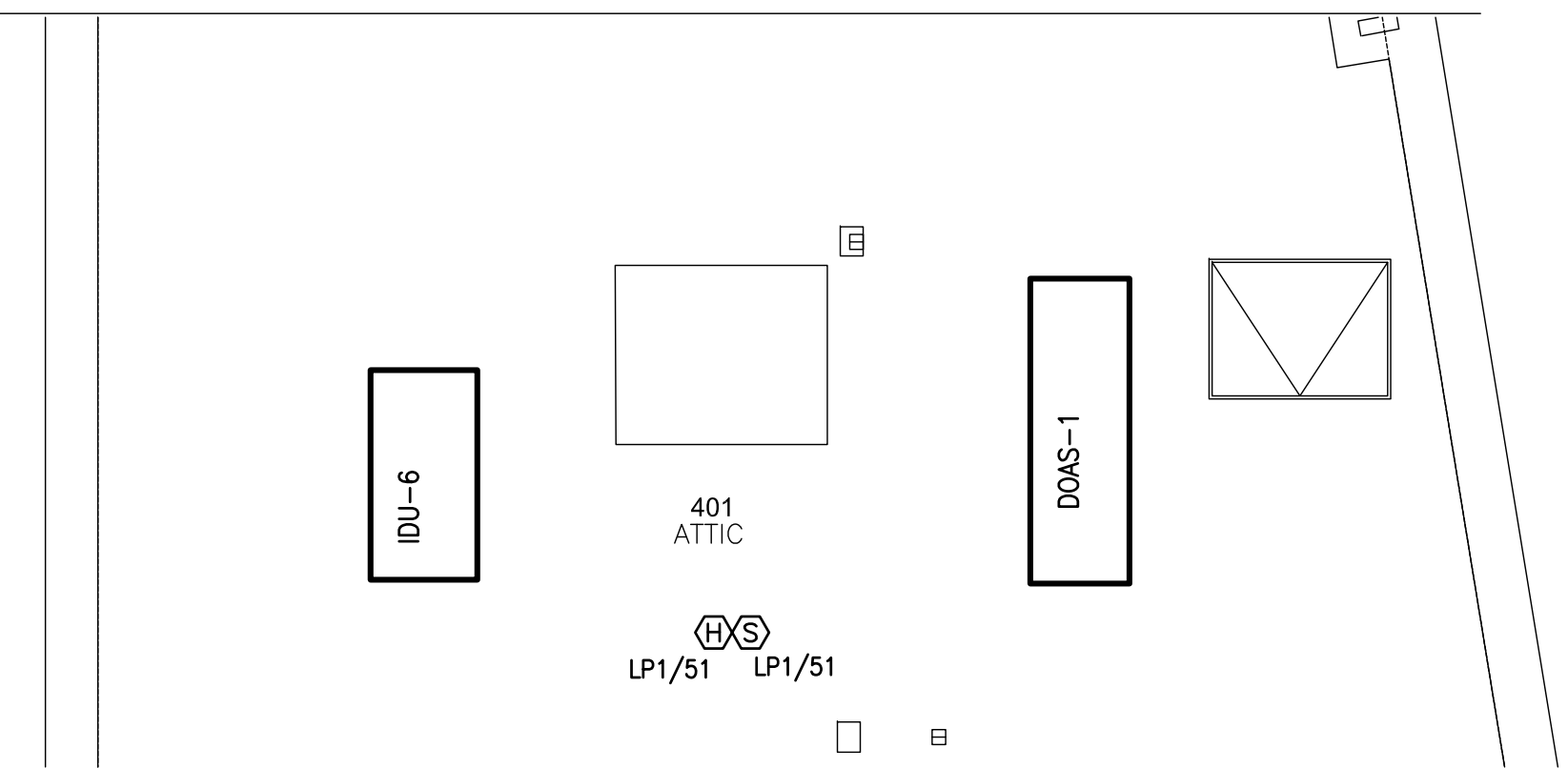
DATE: Permit 06/19/20

SHEET NAME:
RISER DIAGRAM, NOTES
AND SCHEDULES

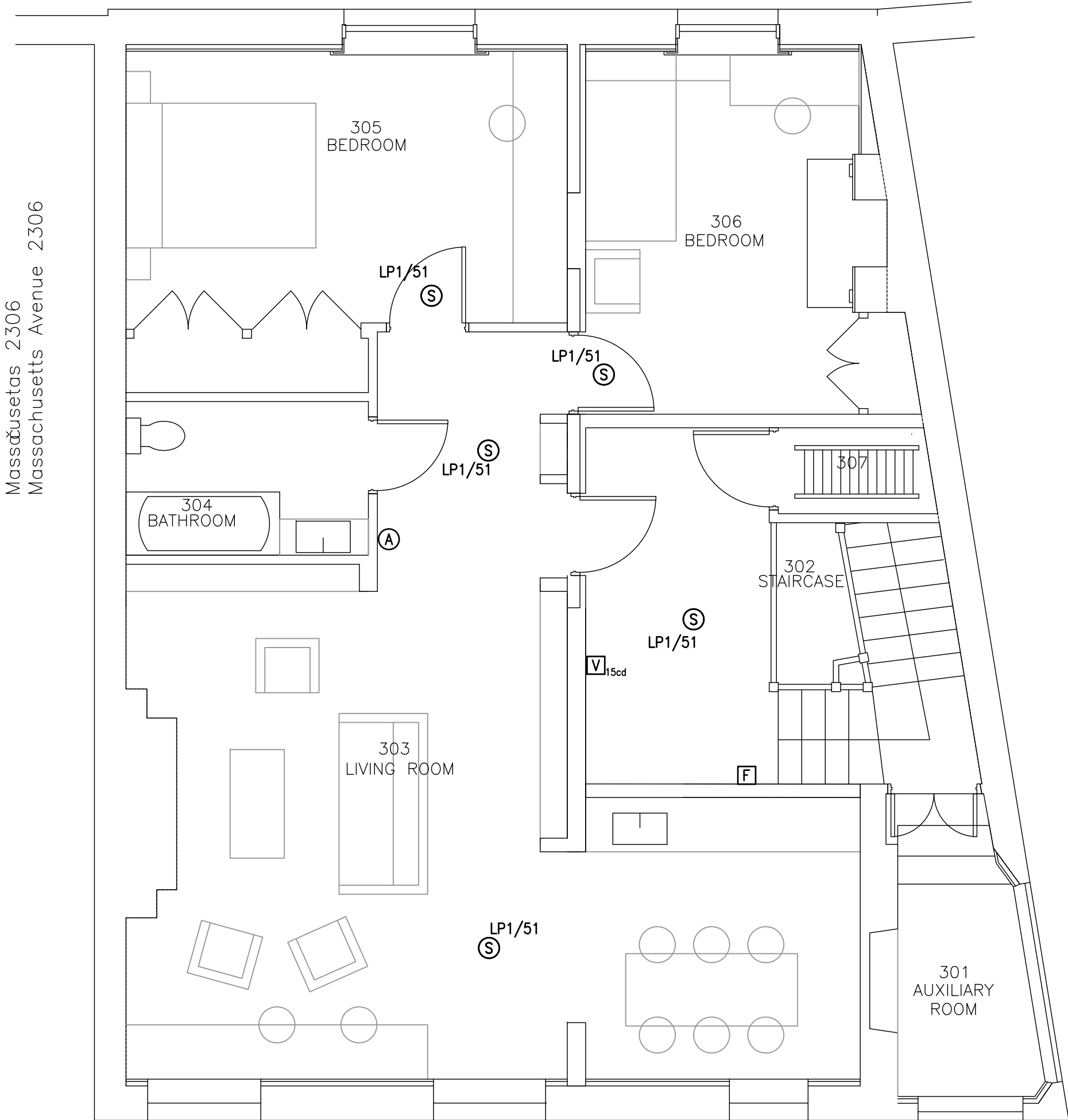
SHEET #:
E007



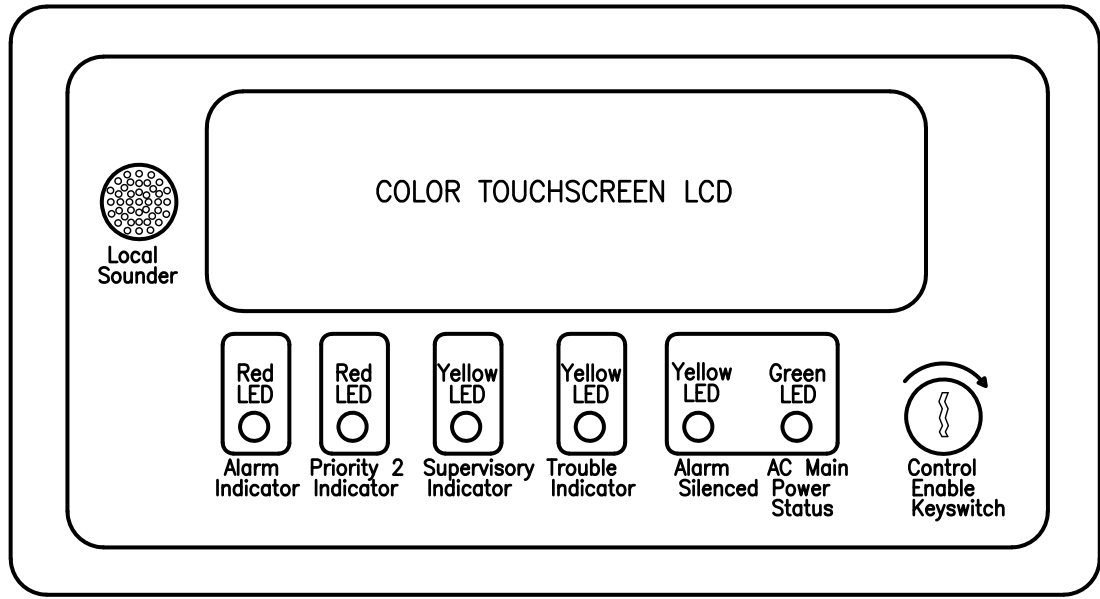
1 FIRE ALARM SECOND FLOOR PLAN
SCALE: 1/4" = 1' - 0"



3 FIRE ALARM PARTIAL ATTIC FLOOR PLAN
SCALE: 1/4" = 1' - 0"

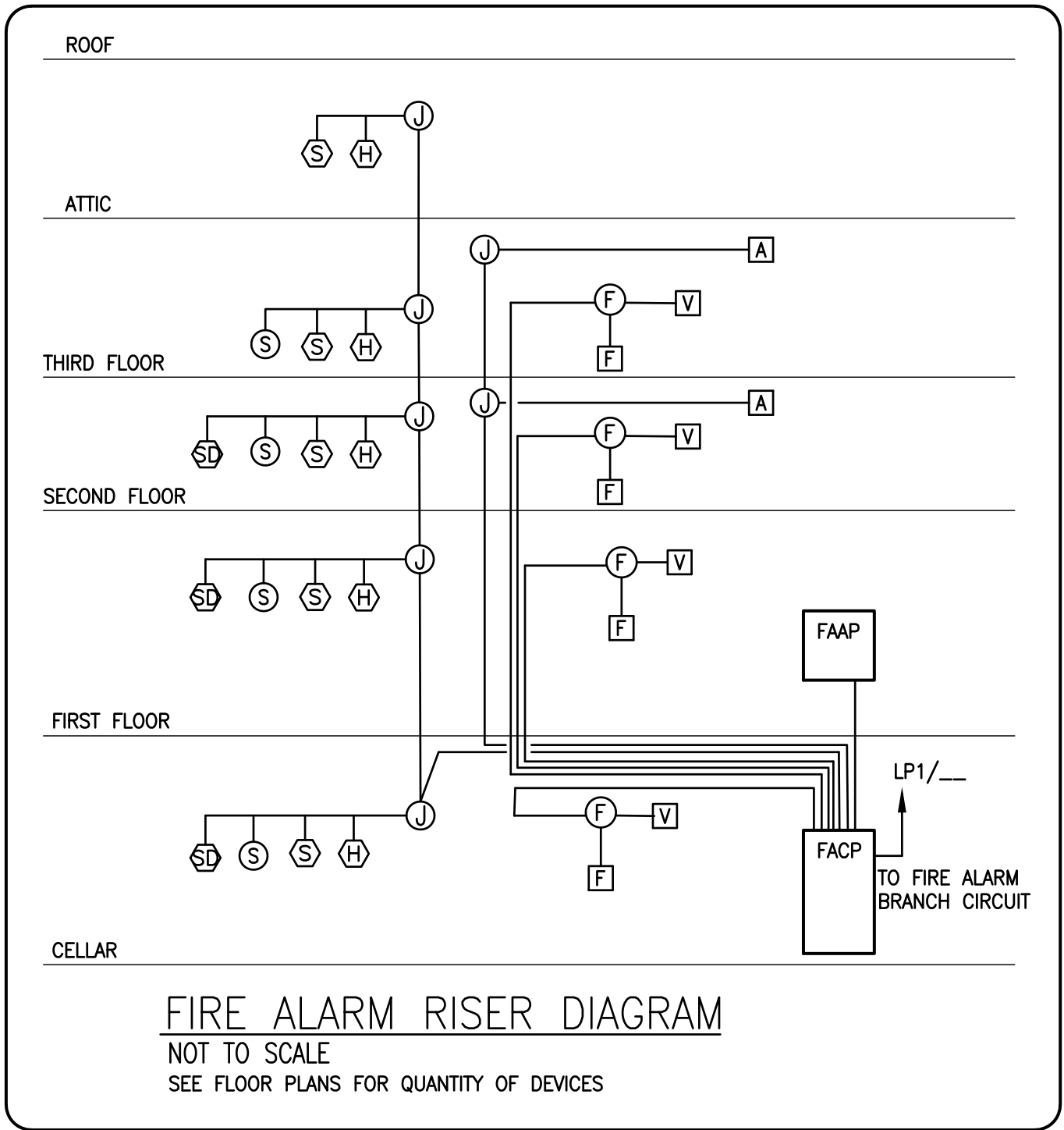


2 FIRE ALARM THIRD FLOOR PLAN
SCALE: 1/4" = 1' - 0"



LCD FIRE ALARM ANNUNCIATOR
NO SCALE
1. BASED ON SIMPLEX 4606 SERIES COLOR TOUCHSCREEN LCD ANNUNCIATORS FOR 4007ES FIRE ALARM CONTROL PANEL.

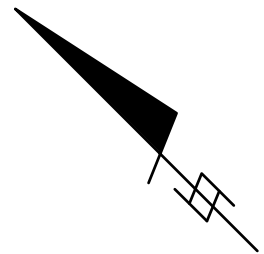
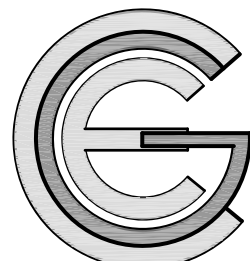
FIRE ALARM LEGEND	
	WALL MOUNTED PULL STATION MTD @ +48" UON.
	CEILING MTD STROBE - SUBSCRIPT DENOTES CANDELA LEVEL.
	WALL MTD STROBE SIGNAL - MTD @ +6,-8". SUBSCRIPT DENOTES CANDELA LEVEL.
	CEILING MTD COMBINATION HORN/STROBE. SUBSCRIPT DENOTES CANDELA LEVEL.
	WALL MTD COMBINATION HORN/STROBE - MTD @ +6" BELOW CEILING. SUBSCRIPT DENOTES CANDELA LEVEL.
	WALL MTD WEATHERPROOF FIRE ALARM HORN - MTD @ +80".
	RESIDENTIAL AREA WALL MTD AUDIBLE DEVICE - MTD @ +80".
	CEILING MOUNTED COMBINATION SMOKE/Co2 DETECTOR 120V HARD WIRED WITH BATTERY BACKUP.
	SMOKE DETECTOR
	HEAT DETECTOR
	DUCT SMOKE DETECTOR
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL



DRAWING FIRE ALARM NOTES

- 1 PROPOSED NEW FIRE ALARM SYSTEM BASED ON SIMPLEX 4007ES SERIES FIRE ALARM CONTROL PANEL WITH 4606 SERIES ANNUNCIATOR OR APPROVED EQUAL.
- 2 NEW FIRE ALARM SYSTEM INSTALLATION PART OF THIS CONTRACT.
- 3 GENERAL NOTE: FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR THE PURCHASE, INSTALLATION, DOCUMENTATION, TESTING AND COMMISSIONING OF THE NEW FIRE ALARM SYSTEM PACKAGE.
- 4 PROPOSED LOCATION OF NEW FIRE ALARM CONTROL PANEL AT BASEMENT LEVEL, MECHANICAL ROOM 003.
- 5 PROPOSED LOCATION OF NEW FIRE ALARM ANNUNCIATOR PANEL AT 1ST FLOOR LEVEL, MAIN ENTRY.

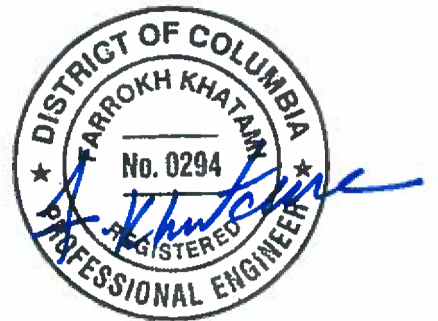
0' 2' 4' 6'



Capitol Engineering Group
1823 K Street NW, Suite 370 Washington, DC, 20006 (202)251-6870 www.CEGG.com
Project No. 20021

Atelier Mjk

ATELIER Mjk
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)-643-3995



LATVIAN EMBASSY
2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:

	Comments	07/29/20
	Comments	08/04/20
	Final Set	08/10/20

DATE: Permit 06/19/20

SHEET NAME:

FIRE ALARM
FLOOR PLANS

SHEET #:

F002

DCRA Energy Verification Sheet

Single Family & Low-Rise Residential

Version 1.2_2015

The Energy Verification Sheet (EVS) is a communication tool between the code official and the project team. It was developed by the District Department of Consumer and Regulatory Affairs (DCRA) based on the Department of Energy's Score and Store spreadsheets and adapted to the 2013 DC Energy Conservation Code (ECC). In design, it serves as an Energy Code checklist, during plan review it points the reviewer to the location in the drawings where the ECC is addressed, and in the field it is used by the inspector to understand what is required of the project. Please note, this Energy Verification Sheet does not replace the ECC, but references to where the ECC is being complied with in the drawings, specifications or other documents that have been submitted to DCRA. If you have questions about how to fill out the EVS, please visit our website at www.buildgreendc.org or email us at green.building@dc.gov.

Address: 2304 MASSACHUSETTS AVE NW, WASHINGTON, D.C., 20008

Compliance Approach Used:

☐ Prescriptive

☐ Performance

Project Type:

☐ New Building

☐ Addition

☒ Level 3 Alteration

2013 DC Energy Code	Final Inspections	Prescriptive Code Value	DWG Page	Additional Notes
302.1, 403.6 MR	Heating and Cooling equipment is sized per ACCA Manual S based on loads calculated per ACCA Manual J	-		
2013 DC Energy Code	Foundation Inspections	Prescriptive Code Value	DWG Page	Additional Notes
402.1.1 SR	Slab Insulation R-value. Perimeter insulation extending downward from the top of the slab surface	Unheated R-10 Heated R-15	N/A	
402.1.1 SR	Slab Insulation depth.	2 feet	N/A	
402.1.1 SR	Conditioned basement wall insulation R-value. Where internal insulation is used, verification to occur during insulation inspection	Continuous R-10 Cavity: R-13	10/A-501	
303.2 I	Conditioned basement wall insulation installed per manufacturer instructions.	-	A-501	
402.2.8 SR	Conditioned basement wall insulation depth of burial or distance from top of wall.	10 ft or to bsmt. floor	10/A-501	
402.2.10 SR	Unvented crawlspace wall insulation R-value	Continuous: R-10 Cavity: R-13	N/A	THERE IS NO CRAWLSPACE
303.2 I	Unvented crawlspace installed per manufacturer's instructions	-	N/A	THERE IS NO CRAWLSPACE
402.2.10 SR	Unvented crawlspace continuous vapor retarder installed over exposed earth, joints overlapped by 6 in. and sealed, extending at lest 6 in. up and attached to the wall.	Continuous R-10 Cavity: R-13	N/A	THERE IS NO CRAWLSPACE
402.2.10 SR	Unvented crawlspace wall insulation depth of burial or distance from top of wall	To finished grade +24 in. vert. & / or horiz.	N/A	THERE IS NO CRAWLSPACE
303.2.1 S	A protective covering is installed to protect exposed exterior insulation and extends a minimum of 6 in. below grade.	-	N/A	
403.8 ER	Snow and Ice-melting system controls installed.	-	N/A	

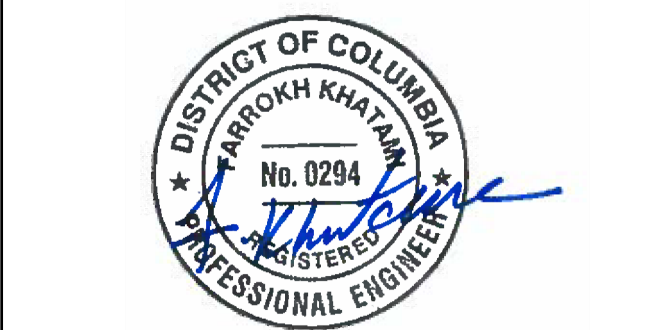
2013 DC Energy Code	Framing/ Rough-In Inspection	Prescriptive Code Value	DWG Page	Additional Notes
402.1.1, 402.3.4 SR	Door U-factor	U-0.35	1/A-502	
402.1.1, 402.3.1, 402.3.3 SR	Glazing U-factor (Area weighted average, show proof of average if any u-value is less than 0.35)	U-0.35	2/A-502	
402.1.1, 402.3.2, 402.3.3, 402.3.6, SR	Glazing SHGC value (Area weighted average)	SHGC: 0.4	2/A-502	

2013 DC Energy Code	Framing/ Rough-In Inspection	Prescriptive Code Value	DWG Page	Additional Notes
303.1.3 I	U-factors of fenestration products are determined in accordance with the NFRC or the default table values.	-	A-502	
402.1.1, 402.3.3, 402.3.6 SR	Skylight U-factor	U-0.55 (15 square foot exemption)	N/A	NO SKYLIGHT
402.1.1, 402.3.3, 402.3.6 SR	Skylight SHGC	SHGC: 0.30 (0.5 max w/ tradeoff. 15ft²exempt	N/A	
303.1.3 I	SHGC values were determined in accordance with the NFRC or the default table values.	-	A-502	
402.1.1 SR	Mass wall exterior insulation R-value.	R-13 Interior R-8 Exterior	1/A-501	INTERIOR INSULATION = R-13
303.2 I	Mass wall exterior insulation installed per manufacturer's instructions.	-	A-501	
402.3.5 SR	Fenestration in thermally isolated sunrooms has a max. U-factor of 0.45. All other sunroom fenestration must meet code requirements.	Not Isolated 0.35 Isolated:0.45	N/A	NO SUNROOM
402.3.5 SR	Skylights in thermally isolated sunrooms has a max. U-factor of 0.7. All other sunroom skylights must meet code requirements.	Not Isolated 0.55 Isolated:0.7	N/A	NO SKYLIGHT
402.4.1.2 SR	Additions, alterations, renovations and replair shall be completed in accordance with Table 402.4.1.1.	Not Isolated 0.55 Isolated:0.7	A-501	
402.4.1.1 I	Air and Thermal Barrier installed per Manufacturer's instructions.	-	A-501	
402.4.3 I	Fenestration is listed and labeled as meeting AAMA/ WDMA/CSA 101/I.S. 2/A440 or does not exceed code limits per NFRC 400.	0.3 CFM/ft²	A-502	
402.4.4 E	IC-rated recessed lighting fixtures sealed at housing/interior finish and labeled to indicate ≤ 2.0 CFM leakage at 75 Pa.	-		
403.2.1 MR	Supply Ducts in attic are insulated to ≥ R-8. All other ducts in unconditioned spaces or outside the building envelope are ≥ R-6.	Attic: R-8 Other: R-6	M001	
403.2.2 MR	All joints and seams of air ducts, air-handlers, and filter boxes are sealed.	-	M001	
403.2.3 MR	Building cavities are not used as ducts or plenums.	-	M002, M003 M0004,M0005	
403.3 MR	HVAC piping carrying fluids > 105°F or fluids < 55°F are insulated to ≥ R-3.	HVAC Pipe ≥ R-3	M001	
403.3.1 MR	Protection of insulation on HVAC piping.	-	M005	
403.4.2 MR	Hot water pipes are insulated to ≥ R-3.	-		
403.5 MR	Auto./ gravity dampers install on all intakes/ exhausts.	-	M002, M003 M0004,M0005	

2013 DC Energy Code	Insulation Inspections	Prescriptive Code Value	DWG Page	Additional Notes
303.1 I	All installed insulation labeled or installed R-values provided.	-	A-501	
402.1.1, 402.2.6 SR	Floor Insulation R-value	Wood: R-19 Steel: R-19+6	2/A-501 3/A-501 8/A-501	WOOD FRAMED FLOOR = R-19
303.2, 402.2.7 SR	Floor insulation installed per mnfr instructions, and substantial contact with underside of floor.	-	A-501	
402.1.1, 402.2.5 402.2.6 SR	Wall insulation R-value. If a mass wall with ½ insulation on the wall exterior. ext insulation applies.	Wood:R-20 or R-13+5 Mass: R-13 Int. R-8 Ext. Steel:R19+8	1/A-501	WOOD FRAMED WALLS = R-20
402.1.1 SR	Mass wall exterior insulation R-value.	R-13 Interior R-8 Exterior	1/A-502	INTERIOR INSULATION = R-13
402.2.12 S	Walls of thermally isolated sunrooms have a min. R-13. All other sunrooms must meet code requirements.	Isolated:R13	N/A	NO SUNROOM
302.2 I	Sunroom walls insulation installed per manufacturer's instructions.	-	N/A	NO SUNROOM
402.2.12 S	Ceilings of thermally isolated sunrooms have min. R-24. All other sunroom ceilings must meet code requirements	Isolated: R-24	N/A	NO SUNROOM
302.2 I	Sunroom ceiling insulation installed per manufacturer's instructions.	-	N/A	NO SUNROOM
2013 DC Energy Code	Final Inspections	Prescriptive Code Value	DWG Page	Additional Notes
402.2.1 402.2.6 SR	Ceiling insulation R-value	Wood: R-49 Steel: U-0.026	4/A-501	WOOD FRAMED CEILING = R-49
303.1.1.1 303.2 I	Ceiling insulation installed per mnfrs instructions. Blown ins. marked every 300ft²	-	A-501	
402.2.3 SR	Baffle over air permeable insulation adjacent to soffit and eave vents.	-	A-501	
402.2.4 SR	Attic access hatch and door insulation ≥ R-value of adjacent assembly.	SR-value of adjacent assembly	A-504	
402.4.1.2 I	Blower door test @ 50 Pa≤5 Air Changes per Hour. Applies to Level 3, Gut Rehab, New	ACH50≤5.0	M001	
402.4.1.2 I	Wood burning fireplaces have tight fitting flue dampers and outdoor air for combustion.	-		
403.2.2 I	Total Duct leakage test ≤8 CFM/100 ft² with air-handler installed.	≤8 CFM/ 100 ft²	M001	
403.2.2.1 I	Air-handler leakage designed by mfr. at ≤2% of air-flow.	-	M001	
403.6 I	HVAC equipment type and capacity as per plans.	-	COMPLIES	SEE MANUAL "J"
403.1.1 MR	Programmable thermostats installed on forced air furnace	-	M001 M005	
403.1.2 MR	Heat pump thermostat installed on heat pumps.	-		
403.4.1 MR	Circulating hot water systems have auto. or accessible manual controls.	-	P001	
404.1 ER	75% lamps in permanent fixtures or 75% permanent fixtures use high effic. lamps	-	COMPLIES E002	

Atelier Mjk

ATELIER MJK
1875 CONNECTICUT AVENUE,
10TH FLOOR
WASHINGTON, D.C., 20009
(202)–643–3995



LATVIAN EMBASSY
2304 MASSACHUSETTS AVE, NW,
WASHINGTON, D.C.,
20008

REVISIONS:	
△	Comments 07/29/20
△	Comments 08/04/20
△	Final Set 08/10/20
△	
△	
△	

DATE: Permit 06/19/20

SHEET NAME:

ENERGY
VERIFICATION
SHEET

SHEET #:

EVS001

ELEKTRONISKO SAKARU SISTĒMAS

CONDITIONAL DESIGNATIONS:	
LABELING	TITLE
	EVOHD 192-Zone control panel on box 11" x11" x 3" with akumulator 12V 7Ah
	Paradox PS45 COMBUS Supervised Backup Power Supply with akumulator 12V 7Ah
 KEY.1	Paradox TM50 COMBUS TM50 Touch Intuitive Touchscreen keypad
	Paradox DM70 COMBUS High-Performance Infrared Motion Detector
	Paradox DG457 COMBUS Glassbreak detector
	Paradox zc1 COMBUS Door Contact
	Paradox DG85 COMBUS Outdoor High-Security Digital Motion Detector
	Paradox NVX80 COMBUS Outdoor High End Motion Detector with Anti-Mask
-----	Cable 22AWG for touchscreen keypad, (4 wire) COMBUS
—————	Cable 22AWG for detectors, (4 wire) COMBUS
-----	Outdoor cable 22AWG for detectors, (4 wire) COMBUS
h=4.9ft	Device installation height

LIST OF DRAWING SHEETS	
Title of drawings	Parts
General information	ESS-AS-1
Block diagram of the security alarm system	ESS-AS-2
Basement and first floor with security alarm system	ESS-AS-3
Second and third floor with security alarm system	ESS-AS-4
Attica and roof floor with security alarm system	ESS-AS-5
Proposed site plan with security alarm system	ESS-AS-6
Equipment and material specification	ESS-AS-7

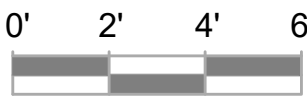
KEY INSTRUCTIONS:

The security systems design of the security alarm system has been developed based on the solutions of the architects and the tasks of the construction parts, in accordance with the construction norms and USA standards issued.

The solutions adopted in the project documentation ensure the safe and efficient operation of the system in case the requirements of the regulatory enactments, standards, maintenance work regulations and the internal work schedule regulations of the facility will be observed during its operation. See all explanations of the project in the explanatory description.

Equipment and materials must be certified.

The installation of the equipment must be performed in accordance with the requirements of the regulatory enactments of the Republic of Latvia, observing the requirements of the technical (instructions) of the equipment and materials. All active equipment must be installed in accordance with other communications so that it can be easily serviced.



Reg. Nr. 40103680902, Duntes street 28-3, Riga, Latvia, LV-1005, Reg.Nr. 11096-R, phone. +371 26451630, info@jaunriga-eco.lv			Object:	LATVIAN EMBASSY			
			Adress:	2304 MASSACHUSETTS AVE, NW, WASHINGTON, D.C., 20008			
Date:	22.06.2020.		Customer:	State real estate Talejas str.1, Riga, Latvia, LV-1026	Stage	Parts	Page nr.
					CP	ESS-AS	ESS-AS-1
	V. Surname:	Signature:	Drawing:	General information	Cust. nr	Archive nr.	Scale
PM	I.Musijenko						
Engineer	I.Musijenko				01R000/ 19-54	1-11/2019	

ROO FLOOR

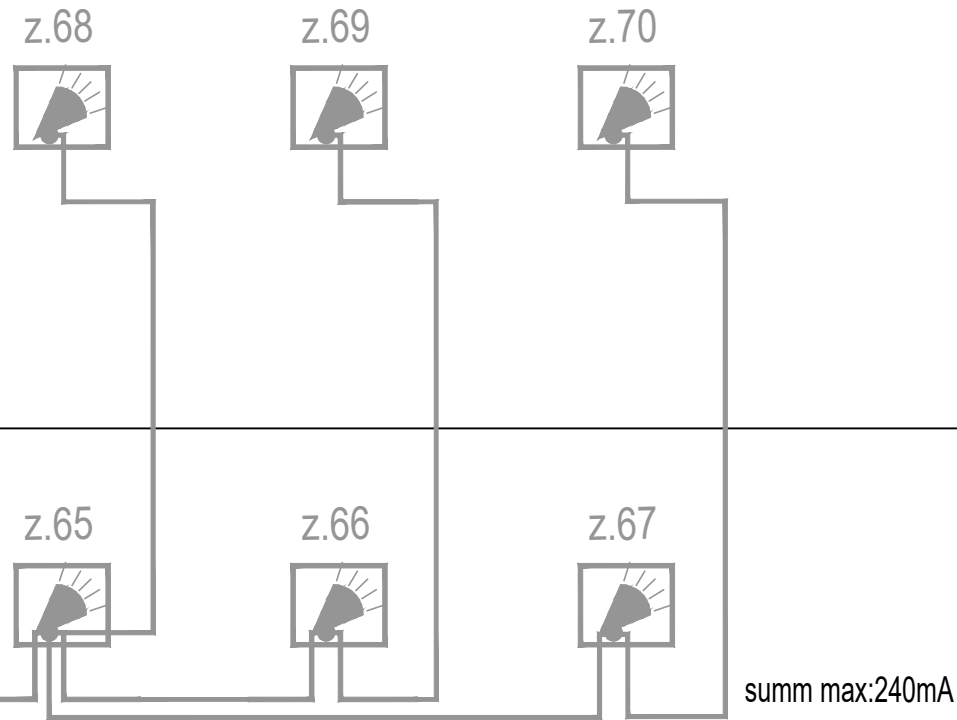
ATTICA FLOOR

FIRD FLOOR

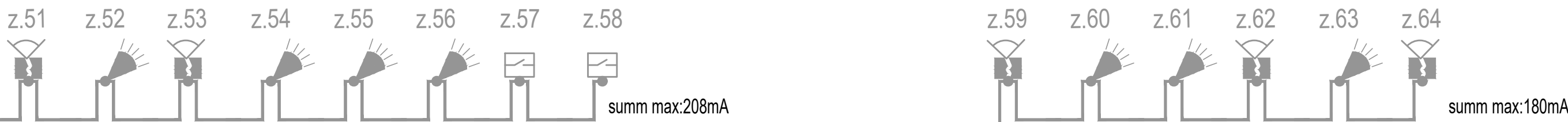
SECOND FLOOR

FIRST FLOOR

BASEMENT FLOOR



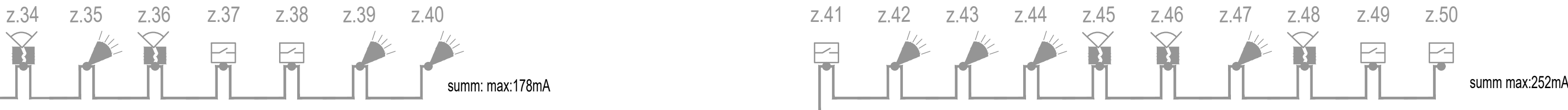
One cables 22AWG for detectors, (4 wire) COMBUS



KEY.4

max:230mA

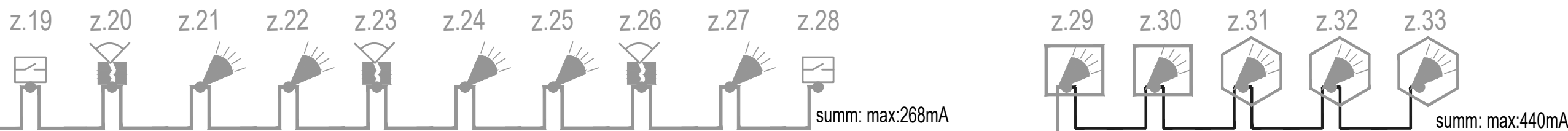
One cables 22AWG for keypad, (4 wire) COMBUS
Three cables 22AWG for detectors, (4 wire) COMBUS



KEY.3

max:230mA

Two cables 22AWG for keypad, (4 wire) COMBUS
Five cables 22AWG for detectors, (4 wire) COMBUS



KEY.2

max:230mA

Three cables 22AWG for keypad, (4 wire) COMBUS
Seven cables 22AWG for detectors, (4 wire) COMBUS

Three cables 22AWG for keypad, (4 wire) COMBUS
Four cables 22AWG for detectors, (4 wire) COMBUS

KEY.1

max:230mA

Four cables 22AWG for keypad, (4 wire) COMBUS

EVOHD

summ: max:1690mA
AUX 2.0A
COMBUS

PS45

summ: max:1112mA
AUX 4.5A
COMBUS

Battery
12Vdc 7A

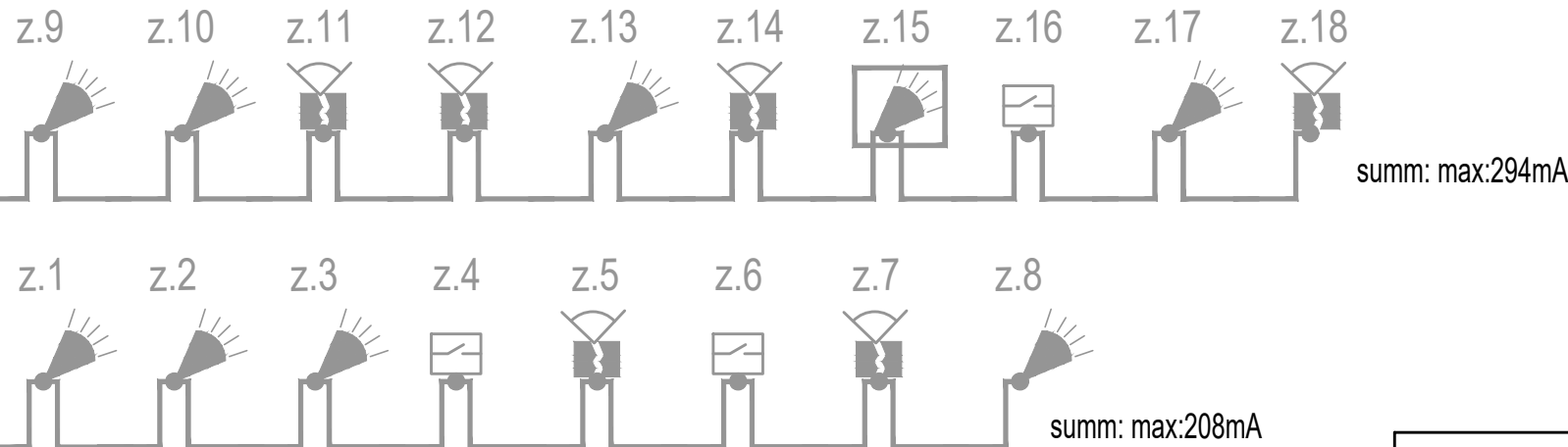
~110Vac-
~16Vac 2,5A

Paradox metal box 11"x11"x3"

Battery
12Vdc 7A

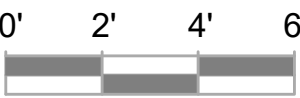
~110Vac-
~16Vac 5A

Paradox metal box 11"x11"x3"

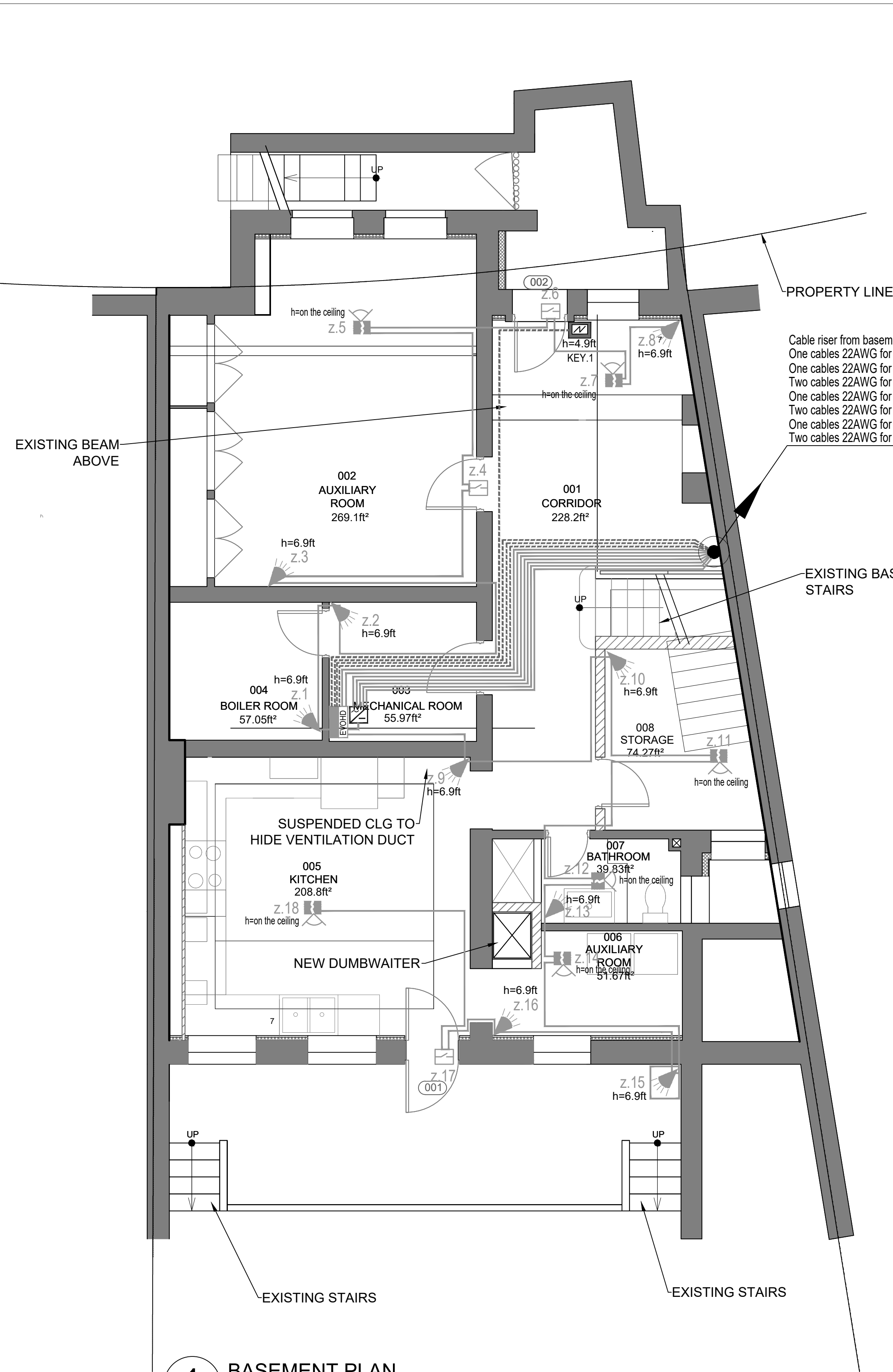


CONDITIONAL DESIGNATIONS:

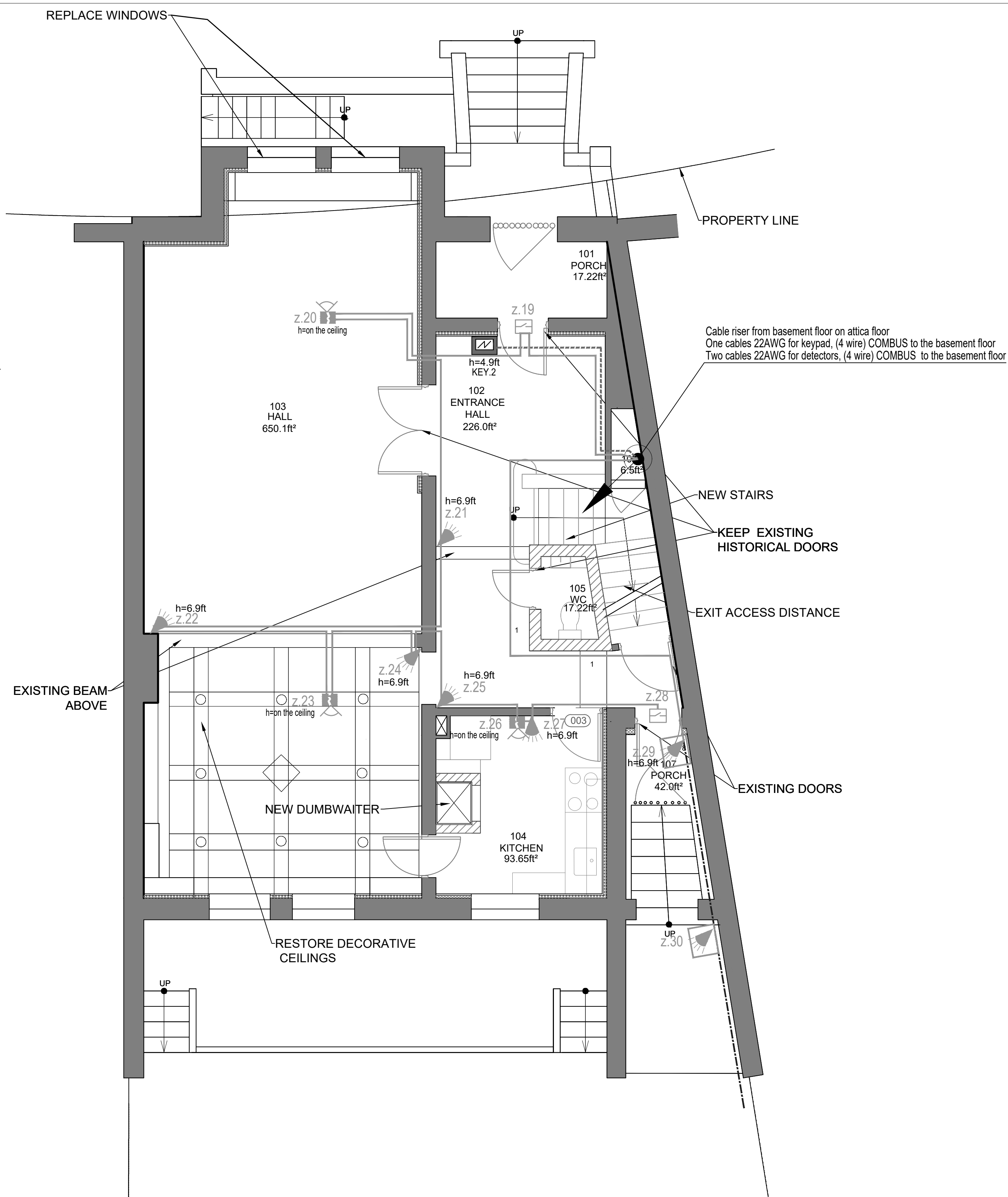
LABELING	TITLE
EVO1HD	EVOHD 192-Zone control panel on box 11" x11" x 3" with akumulator 12V 7Ah
	Paradox PS45 COMBUS Supervised Backup Power Supply with akumulator 12V 7Ah
KEY.1	Paradox TM50 COMBUS TM50 Touch Intuitive Touchscreen keypad
	Paradox DM70 COMBUS High-Performance Infrared Motion Detector
	Paradox DG457 COMBUS Glassbreak detector
	Paradox zc1 COMBUS Door Contact
	Paradox DG85 COMBUS Outdoor High-Security Digital Motion Detector
	Paradox NVX80 COMBUS Outdoor High End Motion Detector with Anti-Mask
-----	Cable 22AWG for touchscreen keypad, (4 wire) COMBUS
—————	Cable 22AWG for detectors, (4 wire) COMBUS
-----	Outdoor cable 22AWG for detectors, (4 wire) COMBUS
h=4.9ft	Device installation height



Reg. Nr. 40103680902, Duntes street 28-3, Riga, Latvia, LV-1005, Reg.Nr. 11096-R, phone. +371 26451630, info@iaunriga-eco.lv			Object:	LATVIAN EMBASSY			
			Adress:	2304 MASSACHUSETTS AVE, NW, WASHINGTON, D.C., 20008			
Date: 22.06.2020.			Customer:	State real estate Talejas str.1, Riga, Latvia, LV-1026	Stage	Parts	Page nr.
					CP	ESS-AS	ESS-AS-2
V. Surname:			Signature:				
PM	I.Musijenko		Drawing:	Block diagram of the security alarm system	Cust. nr	Archive nr.	Scale
Engineer	I.Musijenko				01R000/ 19-54	1-11/2019	

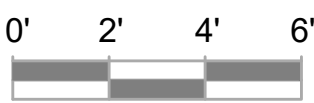


1 BASEMENT PLAN
SCALE: 1/4"= 1' - 0"

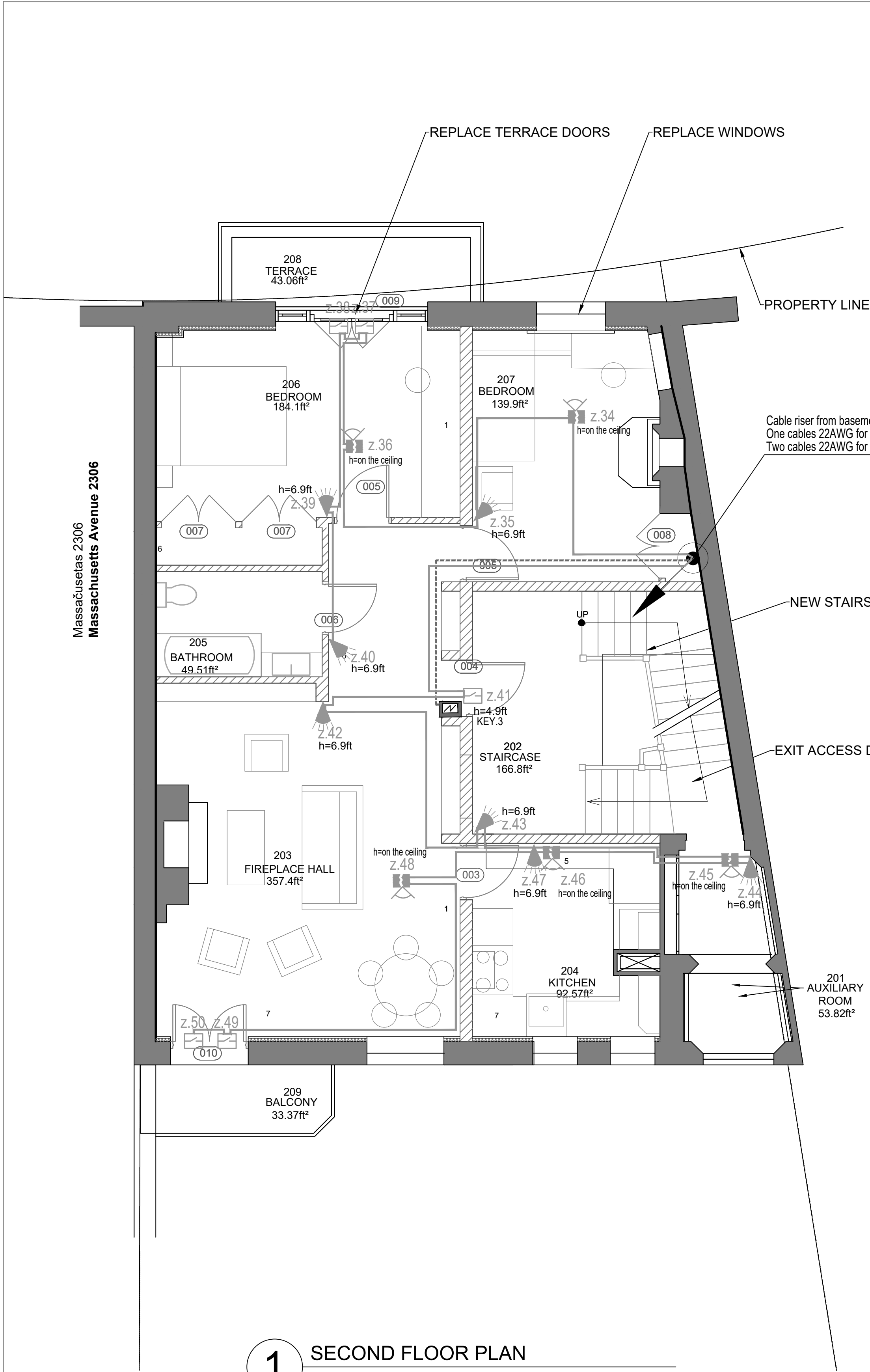
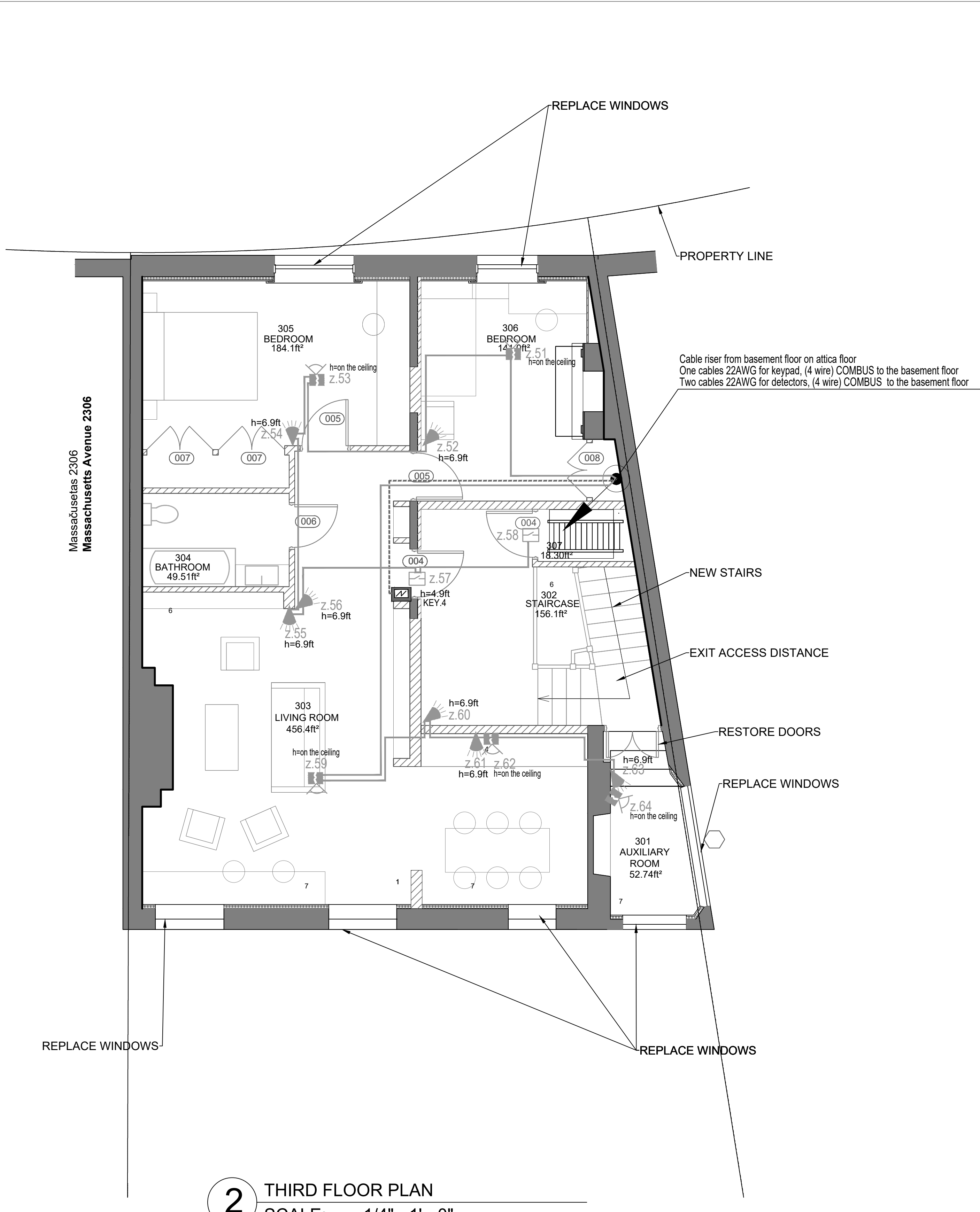


2 FIRST FLOOR PLAN
SCALE: 1/4"= 1' - 0"

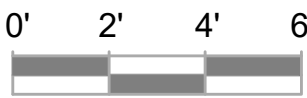
CONDITIONAL DESIGNATIONS:	
LABELING	TITLE
EVO1HD	EVOHD 192-Zone control panel on box 11" x11" x 3" with akumulator 12V 7Ah
	Paradox PS45 COMBUS Supervised Backup Power Supply with akumulator 12V 7Ah
KEY.1	Paradox TM50 COMBUS TM50 Touch Intuitive Touchscreen keypad
	Paradox DM70 COMBUS High-Performance Infrared Motion Detector
	Paradox DG457 COMBUS Glassbreak detector
	Paradox zc1 COMBUS Door Contact
	Paradox DG85 COMBUS Outdoor High-Security Digital Motion Detector
	Paradox NVX80 COMBUS Outdoor High End Motion Detector with Anti-Mask
	Cable 22AWG for touchscreen keypad, (4 wire) COMBUS
	Cable 22AWG for detectors, (4 wire) COMBUS
	Outdoor cable 22AWG for detectors, (4 wire) COMBUS
h=4.9ft	Device installation height



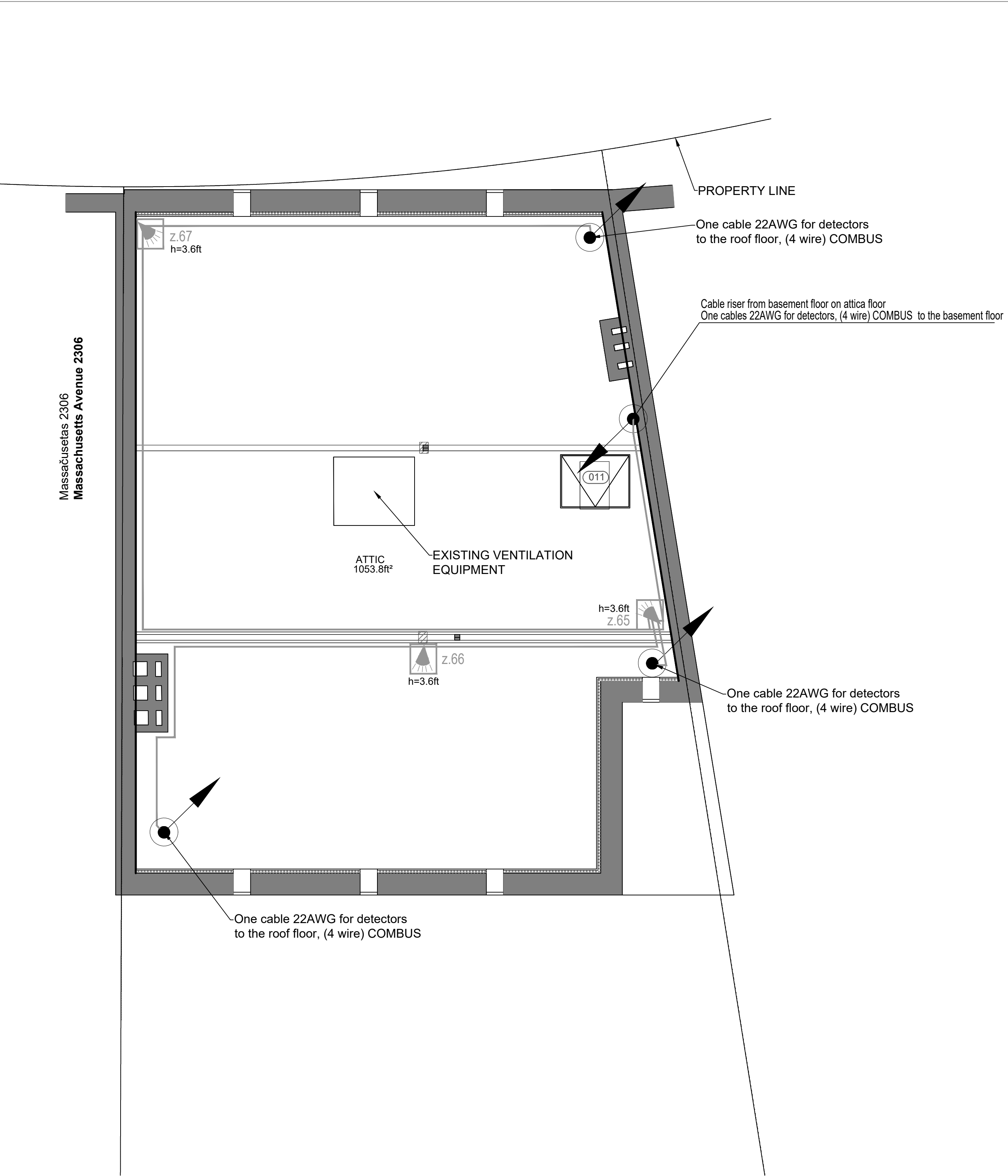
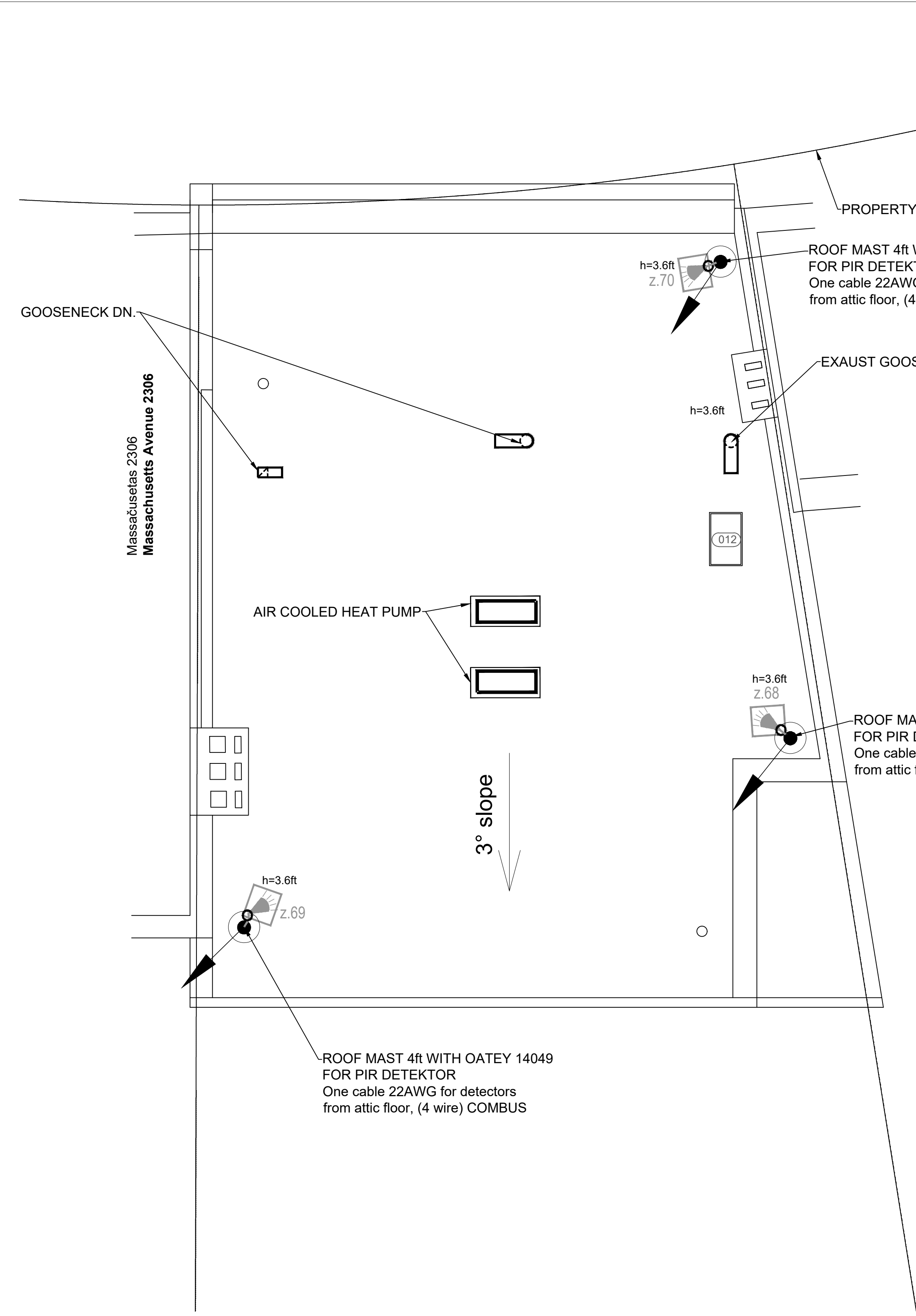
Reg. Nr. 40103680902, Duntes street 28-3, Riga, Latvia, LV-1005, Reg.Nr. 11096-R, phone. +371 26451630, info@iaunriga-eco.lv			Object:	LATVIAN EMBASSY			
			Adress:	2304 MASSACHUSETTS AVE, NW, WASHINGTON, D.C., 20008			
Date: 22.06.2020.			Customer:	State real estate Talejas str.1, Riga, Latvia, LV-1026	Stage	Parts	Page nr.
					CP	ESS-AS	ESS-AS-3
V. Surname:			Signature:		PM	I.Musijenko	
PM			I.Musijenko				
Engineer			I.Musijenko				



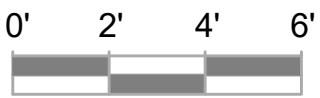
CONDITIONAL DESIGNATIONS:	
LABELING	TITLE
EVO1HD	EVOHD 192-Zone control panel on box 11" x11" x 3" with akumulator 12V 7Ah
	Paradox PS45 COMBUS Supervised Backup Power Supply with akumulator 12V 7Ah
KEY.1	Paradox TM50 COMBUS TM50 Touch Intuitive Touchscreen keypad
	Paradox DM70 COMBUS High-Performance Infrared Motion Detector
	Paradox DG457 COMBUS Glassbreak detector
	Paradox zc1 COMBUS Door Contact
	Paradox DG85 COMBUS Outdoor High-Security Digital Motion Detector
	Paradox NVX80 COMBUS Outdoor High End Motion Detector with Anti-Mask
-----	Cable 22AWG for touchscreen keypad, (4 wire) COMBUS
-----	Cable 22AWG for detectors, (4 wire) COMBUS
-----	Outdoor cable 22AWG for detectors, (4 wire) COMBUS
h=4.9ft	Device installation height



Reg. Nr. 40103680902, Dunties street 28-3, Riga, Latvia, LV-1005, Reg.Nr. 11096-R, phone. +371 26451630, info@jaunriga-eco.lv			Object: LATVIAN EMBASSY			
			Address: 2304 MASSACHUSETTS AVE, NW, WASHINGTON, D.C., 20008			
Date:	22.06.2020.		Customer: State real estate Talejas str.1, Riga, Latvia, LV-1026	Stage	Parts	Page nr.
	V. Surname:	Signature:		CP	ESS-AS	ESS-AS-4
PM	I.Musijenko		Drawing:	Cust. nr	Archive nr.	Scale
Engineer	I.Musijenko		Second and third floor with security alarm system	01R000/ 19-54	1-11/2019	



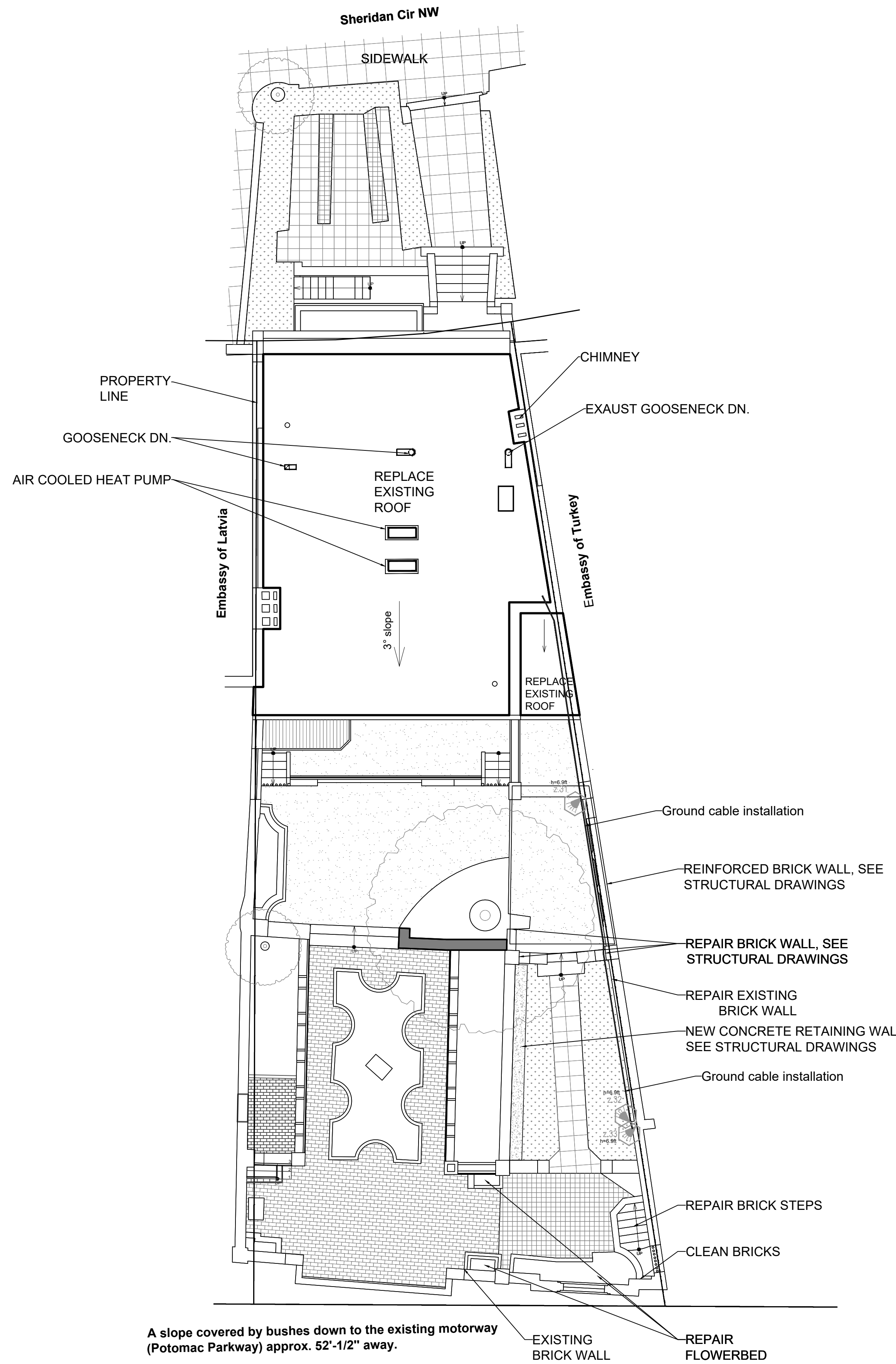
CONDITIONAL DESIGNATIONS:	
LABELING	TITLE
EVO1HD	EVOHD 192-Zone control panel on box 11" x11" x 3" with akumulator 12V 7Ah
	Paradox PS45 COMBUS Supervised Backup Power Supply with akumulator 12V 7Ah
KEY.1	Paradox TM50 COMBUS TM50 Touch Intuitive Touchscreen keypad
	Paradox DM70 COMBUS High-Performance Infrared Motion Detector
	Paradox DG457 COMBUS Glassbreak detector
	Paradox zc1 COMBUS Door Contact
	Paradox DG85 COMBUS Outdoor High-Security Digital Motion Detector
	Paradox NVX80 COMBUS Outdoor High End Motion Detector with Anti-Mask
-----	Cable 22AWG for touchscreen keypad, (4 wire) COMBUS
-----	Cable 22AWG for detectors, (4 wire) COMBUS
-----	Outdoor cable 22AWG for detectors, (4 wire) COMBUS
h=4.9ft	Device installation height



1 ATTIC PLAN
SCALE: 1/4"= 1' - 0"

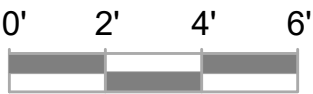
2 ROOF PLAN
SCALE: 1/4"= 1' - 0"

Reg. Nr. 40103680902, Duntes street 28-3, Riga, Latvia, LV-1005, Reg.Nr. 11096-R, phone. +371 26451630, info@jaunriga-eco.lv			Object: LATVIAN EMBASSY Address: 2304 MASSACHUSETTS AVE, NW, WASHINGTON, D.C., 20008		
Date:	22.06.2020.		Customer: State real estate Talejas str.1, Riga, Latvia, LV-1026	Stage	Parts
	V. Surname:	Signature:		CP	ESS-AS
PM	I.Musijenko		Drawing: Attica and roof floor with security alarm system	Cust. nr	Archive nr.
Engineer	I.Musijenko			01R000/ 19-54	1-11/2019
					ESS-AS-5
					Scale



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

CONDITIONAL DESIGNATIONS:	
LABELING	TITLE
EVO1HD	EVOHD 192-Zone control panel on box 11" x11" x 3" with akumulator 12V 7Ah
	Paradox PS45 COMBUS Supervised Backup Power Supply with akumulator 12V 7Ah
KEY.1	Paradox TM50 COMBUS TM50 Touch Intuitive Touchscreen keypad
	Paradox DM70 COMBUS High-Performance Infrared Motion Detector
	Paradox DG457 COMBUS Glassbreak detector
	Paradox zc1 COMBUS Door Contact
	Paradox DG85 COMBUS Outdoor High-Security Digital Motion Detector
	Paradox NVX80 COMBUS Outdoor High End Motion Detector with Anti-Mask
-----	Cable 22AWG for touchscreen keypad, (4 wire) COMBUS
————	Cable 22AWG for detectors, (4 wire) COMBUS
-----	Outdoor cable 22AWG for detectors, (4 wire) COMBUS
h=4.9ft	Device installation height

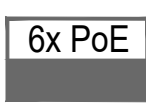
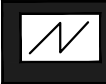


Reg. Nr. 40103680902, Duntes street 28-3, Riga, Latvia, LV-1005, Reg.Nr. 11096-R, phone. +371 26451630, info@jaunriga-eco.lv			Object:	LATVIAN EMBASSY			
			Adress:	2304 MASSACHUSETTS AVE, NW, WASHINGTON, D.C., 20008			
			Customer:	State real estate Talejas str.1, Riga, Latvia, LV-1026	Stage	Parts	Page nr.
Date:	22.06.2020.				CP	ESS-AS	ESS-AS-6
	V. Surname:	Signature:					
PM	I.Musijenko		Drawing:	Proposed site plan with security alarm system	Cust. nr	Archive nr.	Scale
Engineer	I.Musijenko				01R000/ 19-54	1-11/2019	

Security alarm systems specification				
Brand / type	Title	Unit of measurement.	Quantity	Note
Paradox Metal Box	Metal Boxe for Paradox EVOHD control panel 11"x11"x 3"	pcs	1	Or equivalent
Paradox TK278	Tamper Kit	pcs	1	Or equivalent
	Transformer 110Vac to 16Vac, 75VA	pcs	1	Or equivalent
Paradox EVOHD	192-Zone Control Panel, 8 areas, (max 2A power available for COMBUS modules/devices (requires a 75VA transformer)	pcs	1	Or equivalent
Paradox PS45	Supervised Backup Power Supply (COMBUS) 75W 100-240 Vac or 13.8 Vdc Battery	pcs	1	Or equivalent
Power Sonic PS-1270	Accumulator battery 12Vdc, 7Ah	pcs	2	Or equivalent
Paradox TM50	Intuitive Touchscreen keypads (COMBUS), max 230mA	pcs	4	Or equivalent
Paradox DM70	Indoor High-Security Motion Detector Module with Pet Immunity (COMBUS)	pcs	27	Or equivalent
Paradox SB469	Swivel Mount Bracket For use with DM70 motion detectors	pcs	27	Or equivalent
Paradox DG85	Outdoor high-Security Digital Motion Detector Module (COMBUS)	pcs	9	Or equivalent
Paradox SB85	Heavy duty Outdoor Swivel Bracket (For use with the DG85 outdoor digital PIRs)	pcs	9	Or equivalent
Paradox NVX80	Outdoor high End Motion Detector with Anti-Mask (COMBUS) and wall mount bracket	pcs	3	Or equivalent
Paradox DG457	Glassbreak Bus Detector (COMBUS)	pcs	19	Or equivalent
Paradox ZC1	Door Contact Module overhead (COMBUS) (2.9"x0.8"x 1.2")	pcs	12	Or equivalent
	Roof mast for PIR detectors 4ft	kit	3	Or equivalent
OATEY 14049	Master Flash 0.25" - 5.75" pipe diameter Roof Flashing 8" x 8" Base,Black	kit	3	Or equivalent
	Indoor cable AWG22 4wire	ft	2400	Or equivalent
	Outdoor cable AWG22 4wire	ft	160	Or equivalent
	PVC pipe for cable	kit	1	Or equivalent
	Other expenses (screws, metal fasteners, boxes and other materials, transport, adjustment and programming works.)	kit	1	Or equivalent

Reg. Nr. 40103680902, Duntes street 28-3, Riga, Latvia, LV-1005, Reg.Nr. 11096-R, phone. +371 26451630, info@jaunriga-eco.lv			Object: LATVIAN EMBASSY		
			Adress: 2304 MASSACHUSETTS AVE, NW, WASHINGTON, D.C., 20008		
Date: 22.06.2020.			Customer: State real estate Talejas str.1, Rīga, Latvia, LV-1026	Stage	Parts
				CP	ESS-AS
V. Surname: Signature:			Drawing: Equipment and material specification	Cust. nr	Archive nr.
PM I.Musijenko				01R000/ 19-54	1-11/2019
Engineer I.Musijenko					Scale

CONDITIONAL DESIGNATIONS:

LABELING	TITLE
	Hikvision DS-KAD606-P 6 x IP PoE switch for video doorphones Hikvision
	Power supply for electric strike 12Vdc 2A
	Hikvision DS-KV8413 4 Buttons Metal Villa Door Station (IP PoE)
	Assa Abloy Outdoor electric strike 12Vdc
	Hikvision DS-KH8350-WTE1 KH8 Series Indoor Station
	Cables UTP kat.5e for IP series intercom (IP PoE)
	Cables 22AWG for outdoor electric strike, (2 wire) 12Vdc
h=4.9ft	Device installation height

LIST OF DRAWING SHEETS

Title of drawings	Parts
General information	ESS-PK-1
Block diagram of the videointercom network and specification	ESS-PK-2
Basement and first floor with videointercom network	ESS-PK-3
Second and third floor with videointercom network	ESS-PK-4

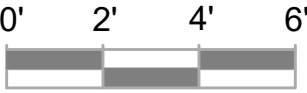
KEY INSTRUCTIONS:

The video intercom design of the security alarm system has been developed based on the solutions of the architects and the tasks of the construction parts, in accordance with the construction norms and USA standards issued.

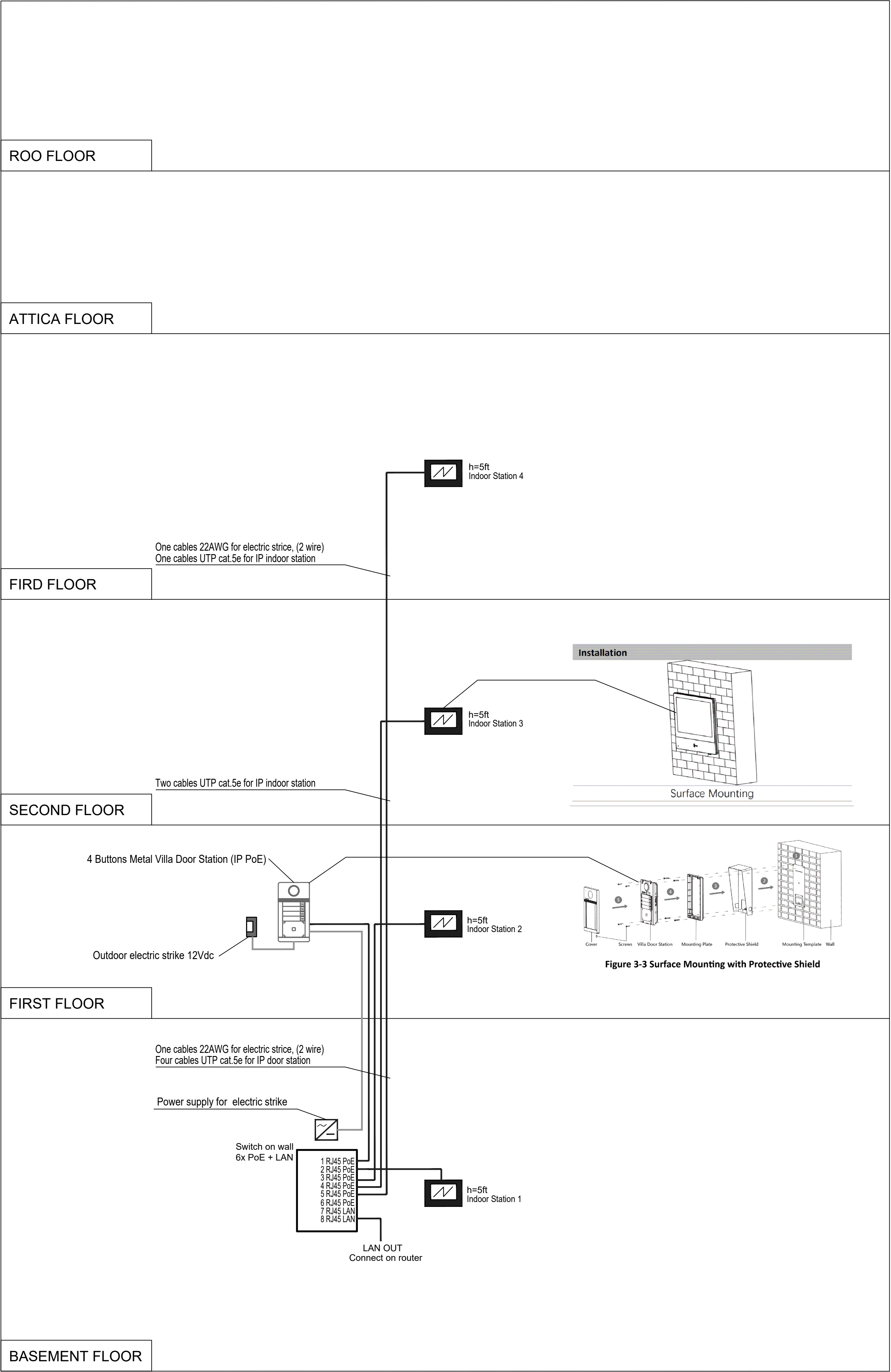
The solutions adopted in the project documentation ensure the safe and efficient operation of the system in case the requirements of the regulatory enactments, standards, maintenance work regulations and the internal work schedule regulations of the facility will be observed during its operation. See all explanations of the project in the explanatory description.

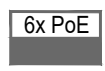
Equipment and materials must be certified.

The installation of the equipment must be performed in accordance with the requirements of the regulatory enactments of the Republic of Latvia, observing the requirements of the technical (instructions) of the equipment and materials. All active equipment must be installed in accordance with other communications so that it can be easily serviced.



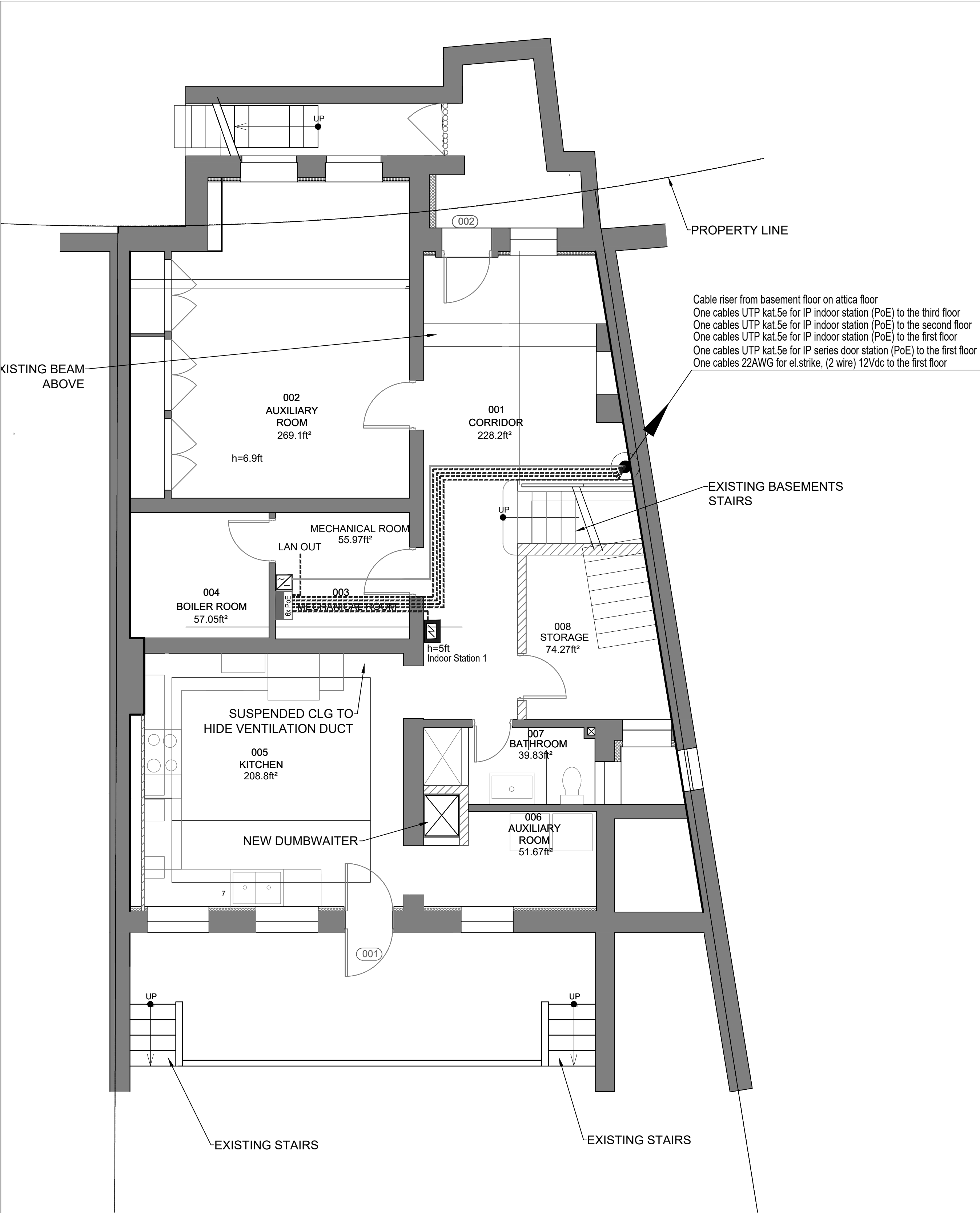
Reg. Nr. 40103680902, Duntes street 28-3, Riga, Latvia, LV-1005, Reg.Nr. 11096-R, phone. +371 26451630, info@jaunriga-eco.lv			Object:	LATVIAN EMBASSY			
			Adress:	2304 MASSACHUSETTS AVE, NW, WASHINGTON, D.C., 20008			
Date:	22.06.2020.		Customer:	State real estate Talejas str.1, Riga, Latvia, LV-1026	Stage	Parts	Page nr.
					CP	ESS-PK	ESS-PK-1
PM	I.Musijenko	Signature:	Drawing:	General information	Cust. nr	Archive nr.	Scale
Engineer	I.Musijenko				01R000/ 19-54	1-11/2019	



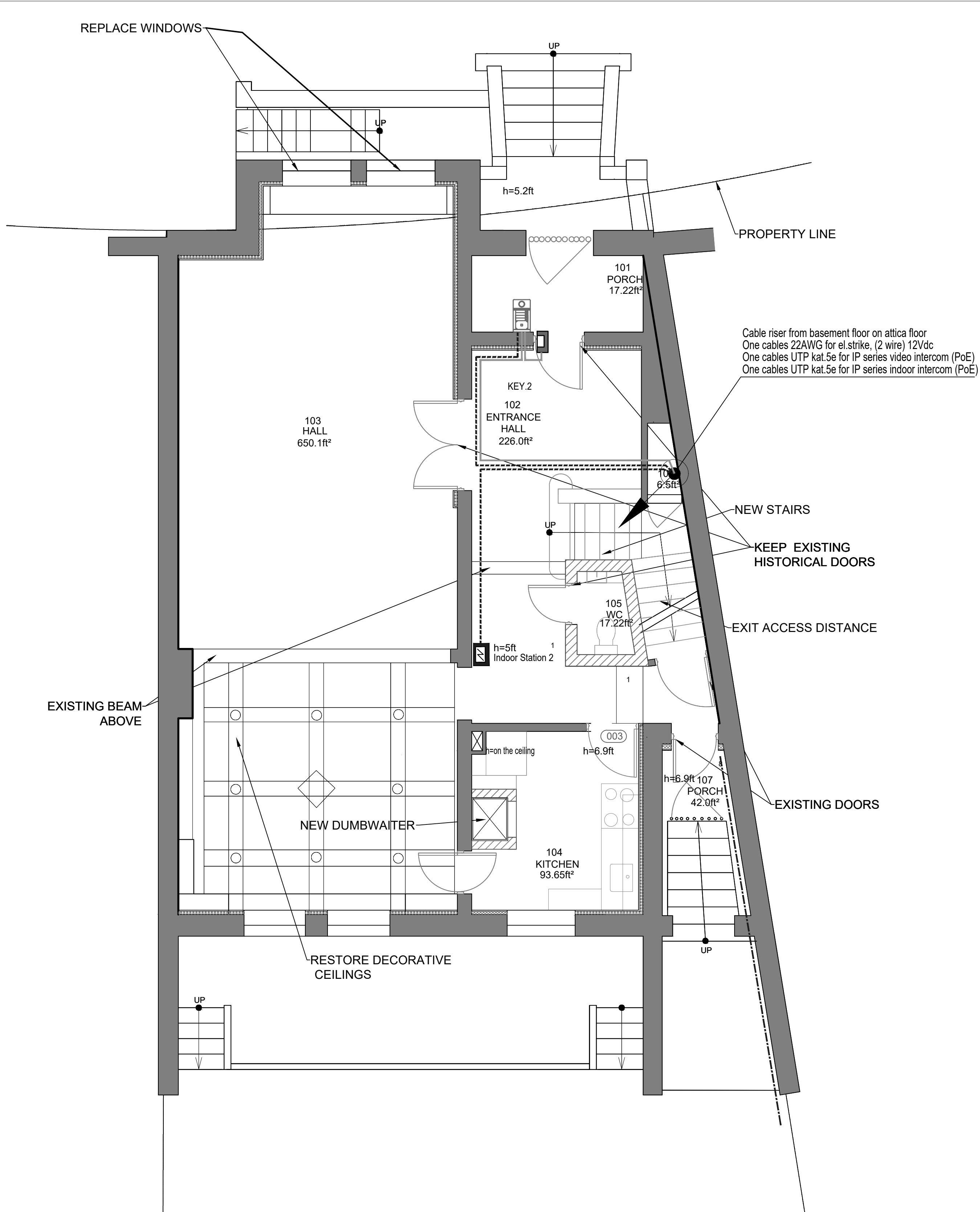
CONDITIONAL DESIGNATIONS:	
LABELING	TITLE
	Hikvision DS-KAD606-P 6 x IP PoE switch for video doorphones Hikvision
	Power supply for electric strike 12Vdc 2A
	Hikvision DS-KV8413 4 Buttons Metal Villa Door Station (IP PoE)
	Assa Abloy Outdoor electric strike 12Vdc
	Hikvision DS-KH8350-WTE1 KH8 Series Indoor Station
	Cables UTP kat.5e for IP series intercom (IP PoE)
	Cables 22AWG for outdoor electric strike, (2 wire) 12Vdc
h=4.9ft	Device installation height

Reg. Nr. 40103680902, Duntes street 28-3, Riga, Latvia, LV-1005, Reg.Nr. 11096-R, phone. +371 26451630, info@jaunriga-eco.lv			Object:	LATVIAN EMBASSY			
			Address:	2304 MASSACHUSETTS AVE, NW, WASHINGTON, D.C., 20008			
Date:	22.06.2020.		Customer:	State real estate Talejas str.1, Riga, Latvia, LV-1026	Stage	Parts	Page nr.
					CP	ESS-PK	ESS-PK-2
	V. Surname:	Signature:	Drawing:	Block diagram of the videointercom network network and specification	Cust. nr	Archive nr.	Scale
PM	I.Musijenko						
Engineer	I.Musijenko						

Video intercom network specification					
Nr.	Brand / type	Title	Unit of measure ment.	Quantity	Note
1	Hikvision DS-KV8413	4 Buttons Metal Villa Door Station, 2MP HD Camera with IR supplement, Standard IP PoE/12 VDC, flush mounting with protective shield	kit	1	Or equivalent
2	Hikvision DS-KABV8113-RS/Surface	Surface Mounting protective shield for KV8113/8213/8413 series villa door station	kit	1	Or equivalent
3	Hikvision DS-KAW50-1	12V Power Adapter for electric strike	kit	1	Or equivalent
4	Assa Abloy	Electric strike 12Vdc	kit	1	Or equivalent
5	Hikvision DS-3T0310HP-E/HS	L2, Unmanaged, 8 10/100M RJ45 PoE ports, 1 Gigabit RJ45, 1 Gigabit SFP uplink port, 802.3af/at/bt, port 1-2 support Hi-PoE 90w, PoE power budget 110W video doorphones	kit	1	Or equivalent
6	Hikvision DS-KH8350-WTE1	KH8 Series IP PoE Indoor Station, 7" Touch-Screen	kit	4	Or equivalent
7		Indoor cable AWG22 2wire	ft	110	Or equivalent
8		Indoor cable UTP cat.5e	ft	350	Or equivalent
9		PVC pipe for cable	kit	1	Or equivalent
10		Other expenses (screws, metal fasteners, boxes and other materials, transport, adjustment and programming works.)	kit	1	Or equivalent

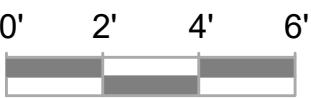


1 BASEMENT PLAN
SCALE: 1/4"= 1' - 0"

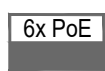
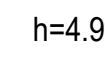


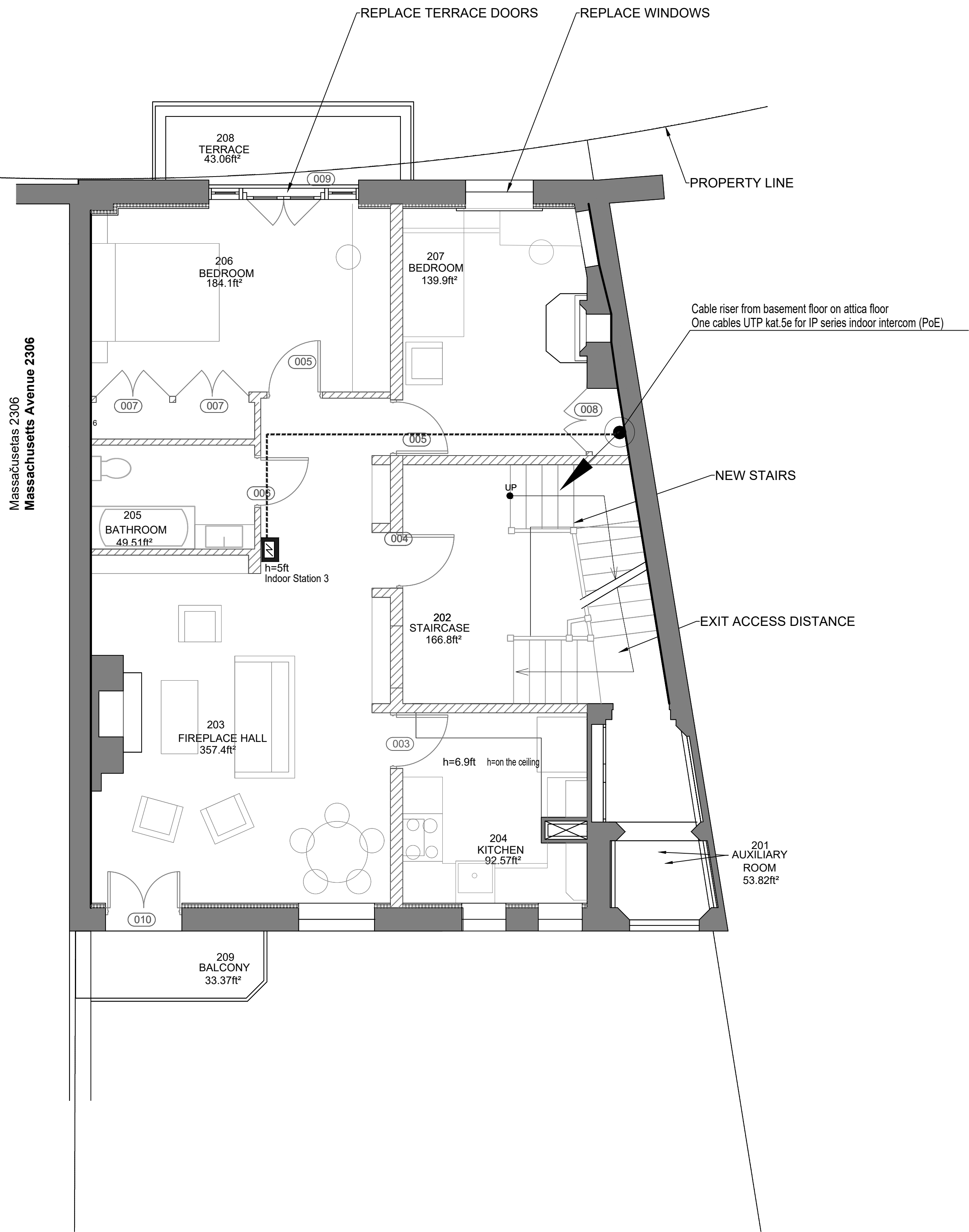
2 FIRST FLOOR PLAN
SCALE: 1/4"= 1' - 0"

CONDITIONAL DESIGNATIONS:	
LABELING	TITLE
	Hikvision DS-KAD606-P 6 x IP PoE switch for video doorphones Hikvision
	Power supply for electric strike 12Vdc 2A
	Hikvision DS-KV8413 4 Buttons Metal Villa Door Station (IP PoE)
	Assa Abloy Outdoor electric strike 12Vdc
	Hikvision DS-KH8350-WTE1 KH8 Series Indoor Station
	Cables UTP kat.5e for IP series intercom (IP PoE)
	Cables 22AWG for outdoor electric strike, (2 wire) 12Vdc
	Device installation height

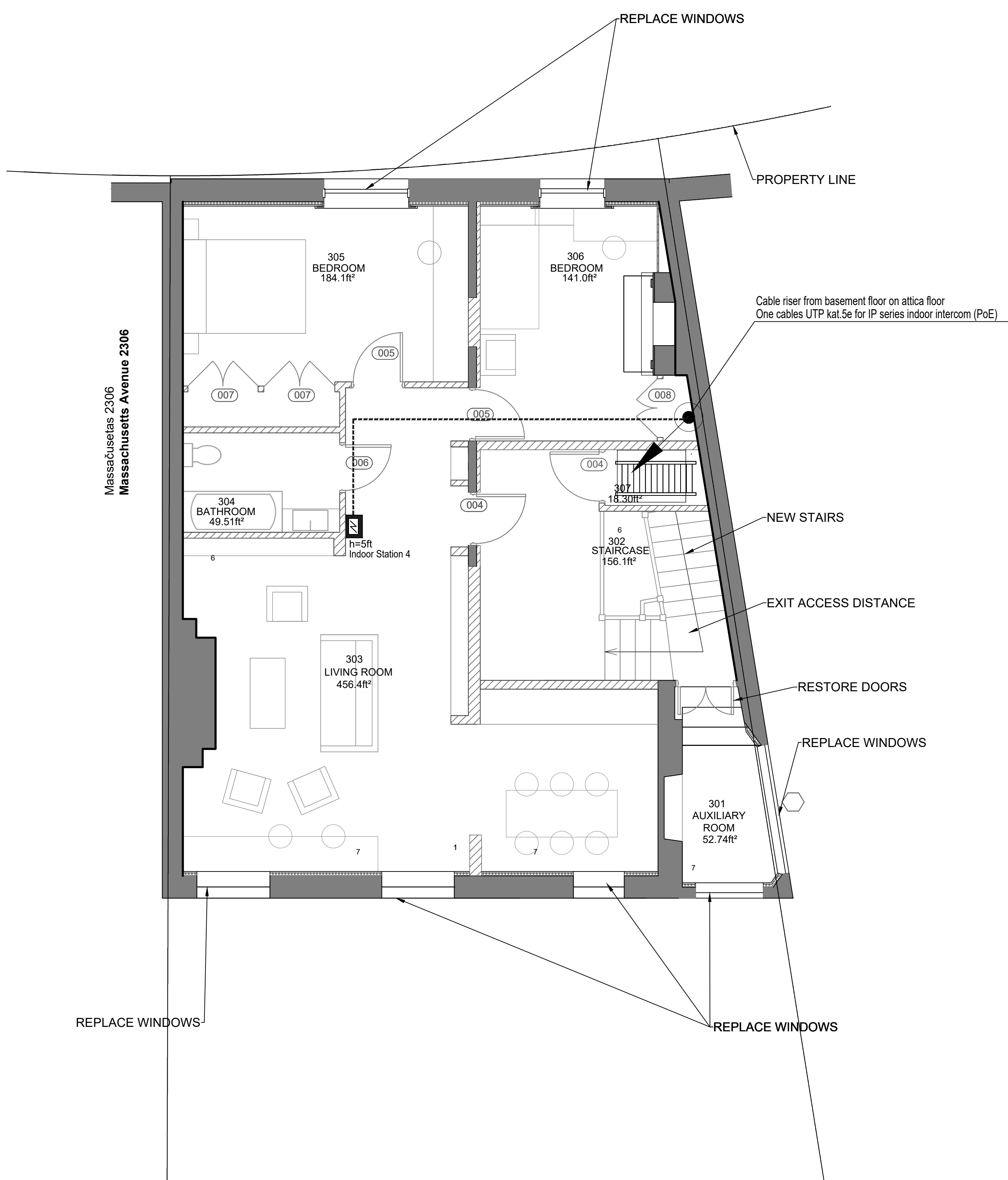


Reg. Nr. 40103680902, Duntes street 28-3, Riga, Latvia, LV-1005, Reg.Nr. 11096-R, phone. +371 26451630, info@jaunriga-eco.lv			Object: LATVIAN EMBASSY			
			Adress: 2304 MASSACHUSETTS AVE, NW, WASHINGTON, D.C., 20008			
Date:	22.06.2020.		Customer: State real estate Talejas str.1, Riga, Latvia, LV-1026	Stage	Parts	Page nr.
				CP	ESS-PK	ESS-PK-4
	V. Surname:	Signature:	Drawing: Basement and first floor with videointercom network	Cust. nr	Archive nr.	Scale
PM	I.Musijenko			01R000/ 19-54	1-11/2019	
Engineer	I.Musijenko					

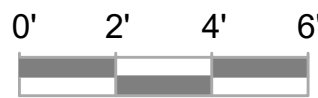
CONDITIONAL DESIGNATIONS:	
LABELING	TITLE
	Hikvision DS-KAD606-P 6 x IP PoE switch for video doorphones Hikvision
	Power supply for electric strike 12Vdc 2A
	Hikvision DS-KV8413 4 Buttons Metal Villa Door Station (IP PoE)
	Assa Abloy Outdoor electric strike 12Vdc
	Hikvision DS-KH8350-WTE1 KH8 Series Indoor Station
	Cables UTP kat.5e for IP series intercom (IP PoE)
	Cables 22AWG for outdoor electric strike, (2 wire) 12Vdc
h=4.9ft	Device installation height



1 SECOND FLOOR PLAN
SCALE: 1/4"= 1' - 0"



2 THIRD FLOOR PLAN
SCALE: 1/4"= 1' - 0"



Reg. Nr. 40103680902, Duntes street 28-3, Riga, Latvia, LV-1005, Reg.Nr. 11096-R, phone. +371 26451630, info@jaunriga-eco.lv			Object: LATVIAN EMBASSY			
			Adress: 2304 MASSACHUSETTS AVE, NW, WASHINGTON, D.C., 20008			
Date:	22.06.2020.		Customer: State real estate Talejas str.1, Riga, Latvia, LV-1026	Stage	Parts	Page nr.
				CP	ESS-PK	ESS-PK-4
	V. Surname:	Signature:	Drawing: Second and third floor with videointercom network	Cust. nr	Archive nr.	Scale
PM	I.Musijenko			01R000/ 19-54	1-11/2019	
Engineer	I.Musijenko					

Security alarm systems specification

Nr.	Brand / type	Title	Unit of measure ment.	Quantity	Note
1	Paradox Metal Box	Metal Boxe for Paradox EVOHD control panel 11"x11"x 3"	pcs	1	Or equivalent
2	Paradox TK278	Tamper Kit	pcs	1	Or equivalent
3		Transformer 110Vac to 16Vac, 75VA	pcs	1	Or equivalent
4	Paradox EVOHD	192-Zone Control Panel, 8 areas, (max 2A power available for COMBUS modules/devices (requires a 75VA transformer)	pcs	1	Or equivalent
5	Paradox PS45	Supervised Backup Power Supply (COMBUS) 75W 100-240 Vac or 13.8 Vdc Battery	pcs	1	Or equivalent
6	Power Sonic PS-1270	Accumulator battery 12Vdc, 7Ah	pcs	2	Or equivalent
7	Paradox TM50	Intuitive Touchscreen keypads (COMBUS), max 230mA	pcs	4	Or equivalent
8	Paradox DM70	Indoor High-Security Motion Detector Module with Pet Immunity (COMBUS)	pcs	27	Or equivalent
9	Paradox SB469	Swivel Mount Bracket For use with DM70 motion detectors	pcs	27	Or equivalent
10	Paradox DG85	Outdoor high-Security Digital Motion Detector Module (COMBUS)	pcs	9	Or equivalent
11	Paradox SB85	Heavy duty Outdoor Swivel Bracket (For use with the DG85 outdoor digital PIRs)	pcs	9	Or equivalent
12	Paradox NVX80	Outdoor high End Motion Detector with Anti-Mask (COMBUS) and wall mount bracket	pcs	3	Or equivalent
13	Paradox DG457	Glassbreak Bus Detector (COMBUS)	pcs	19	Or equivalent
14	Paradox ZC1	Door Contact Module overhead (COMBUS) (2.9"x0.8"x 1.2")	pcs	12	Or equivalent
15		Roof mast for PIR detectors 4ft	kit	3	Or equivalent
16	OATEY 14049	Master Flash 0.25" - 5.75" pipe diameter Roof Flashing 8" x 8" Base,Black	kit	3	Or equivalent
17		Indoor cable AWG22 4wire	m.	840	Or equivalent
18		Outdoor cable AWG22 4wire	m.	60	Or equivalent
19		Pipe corrugated, 29-35mm, metal spiral, for cable	m.	900	Or equivalent
20		Other expenses (screws, metal fasteners, boxes and other materials, transport, adjustment and programming works.)	kit	1	Or equivalent

Video intercom network					
Nr.	Brand / type	Title	Unit of measure ment.	Quantity	Note
1	Hikvision DS-KV8413	4 Buttons Metal Villa Door Station, 2MP HD Camera with IR supplement, Standard IP PoE/12 VDC, flush mounting with protective shield	kit	1	Or equivalent
2	Hikvision DS-KAW50-1	12V Power Adapter for electric strike	kit	1	Or equivalent
3	Assa Abloy	Electric strike 12Vdc	kit	1	Or equivalent
4	Hikvision DS-KAD606-P	Switch 6 x RJ45 PoE + 2 xRJ45 LAN for IP PoE video doorphones	kit	1	Or equivalent
5	Hikvision DS-KH8350-WTE1	KH8 Series IP PoE Indoor Station, 7" Touch-Screen	kit	4	Or equivalent
6		Indoor cable AWG22 2wire	m.	40	Or equivalent
7		Indoor cable UTP cat.5e	m.	120	Or equivalent
8		Pipe corrugated, 29-35mm, metal spiral, for cable	ft	160	Or equivalent
9		Other expenses (screws, metal fasteners, boxes and other materials, transport, adjustment and programming works.)	kit	1	Or equivalent

DATA/TELEPHONE NETWORK					
Nr.	Brand / type	Title	Unit of measurement	Quantity	Note
1	SRW12US	Tripp Lite 12U Wall Mount Rack Enclosure Cabinet, Hinged, 20.5" Deep, Switch-Depth	kit.	1	Or equivalent
2	CLOUDPLATE T2	AC Infinity CLOUDPLATE T2, Rack Mount Fan 1U, Network 19" Racks	kpl.	1	Or equivalent
3	CyberPower PDU41001	Switched PDU, 120V/15A, 8 Outlets, 1U Rackmount	kit.	1	Or equivalent
4	Intellinet	Intellinet 24-Port 1U Cat6 Patch Panel, 19"	kit.	1	Or equivalent
5	Cisco	24 Gigabit port switch with 1U rackmount case	kit.	1	Or equivalent
6	Cisco	Ethernet routers	kit.	1	Or equivalent
7		Patch cord UTP kat.6 (19.68inc)	pcs	16	Or equivalent
8	ABB	Flush-mounted installation box for outlet	kit.	7	Or equivalent
9	ABB	Data outlet 2xRJ45 kat.6	kit.	7	Or equivalent
10	TrueCABLE Cat6	TrueCABLE Cat6 Riser (CMR), 1000ft, Blue, 23AWG 4 Pair Solid Bare Copper, 550MHz	m.	320	Or equivalent
11		Pipe corrugated, 29-35mm, metal spiral, for cable	m.	160	Or equivalent
12		Other expenses (screws, metal fasteners, boxes and other materials, transport, adjustment and programming works, network configuration.)	kit	1	Vai ekvivalets
TV NETWORK					
1	TV	TV Splitter for 7 TV outlet	kit.	1	Or equivalent
2		Wall Mount box for TV splitter installation	kit.	1	Or equivalent
3	ABB	Flush-mounted installation box for outlet	kit.	7	Or equivalent
4	ABB	TV outlet	kit.	7	Or equivalent
5		White RG6 Coaxial Cable (Coax Cable), CableTV, Antenna, and Satellite	m.	180	Or equivalent
6		Coax cable connectors	kit.	14	Or equivalent
7		Pipe corrugated, 29-35mm, metal spiral, for cable	ft	100	Or equivalent
8		Other expenses (screws, metal fasteners, boxes and other materials, transport, adjustment and programming works, network configuration.)	kit	1	Vai ekvivalets

DATA/TELEPHONE NETWORK					
Nr.	Brand / type	Title	Unit of measurement.	Quantity	Note
1	Simplex 4007ES	Fire Alarm Control Panel with touchscreen LCD one loop module and city circuit module and network interface card	kit.	1	Or equivalent
2	Simplex 4606 RED	LCD annunciators with touchscreen LCD and Surface Mounting box	kit.	1	Or equivalent
3	FirstPower	Akkumulator battery 12Vdc 18Ah	pcs	2	Or equivalent
4	Simplex	Wall mounted Addressable Manual Pull Stations MTD	kit.	5	Or equivalent
5	Simplex	Wall MTD strobe signāl MTD@ +6-8	kit.	9	Or equivalent
6	Simplex	Wall MTD combination horn/strobe MTD@ +6	kit.	2	Or equivalent
7	Simplex	Residential area wall MTD udible device MTD@+80	kit.	2	Or equivalent
8	Simplex	Ceiling mounted combination SMOKE/CO2 detector 120V hard wired with battery backup	kit.	14	Or equivalent
9	Simplex	Addressable smoke detector	kit.	5	Or equivalent
10	Simplex	Addressable heat detector	kit.	3	Or equivalent
11		Fire Resistant communication cable 18 AWG unshielded twister pair	m.	20	Or equivalent
12		Fire Resistant power 24Vdc cable 18 AWG plus Earth Ground	m.	20	Or equivalent
13		Fire Resistant adress loop cable 16 AWG two-wire	m.	300	Or equivalent
14	Hilti CFS	Firestop silicone sealant	pcs	4	Or equivalent
15		Pipe corrugated, 29-35mm, metal spiral, for cable	m.	250	Or equivalent
16		Other expenses (screws, metal fasteners, boxes and other materials, transport, adjustment and programming works, network configuration.)	kit	1	Vai ekvivalets