

HISTORIC PRESERVATION COMMISSION

Marc Elrich

County Executive

Karen Burditt Chair

Date: 4/10/2025

MEMORANDUM

TO:	Rabbiah Sabbakhan
	Department of Permitting Services
FROM:	Laura DiPasquale
	Historic Preservation Section
	Maryland-National Capital Park & Planning Commission
SUBJECT:	Historic Area Work Permit #1109308- Porch reconstruction, patio construction, and tree removal

The Montgomery County Historic Preservation Commission (HPC) has reviewed the attached application for a Historic Area Work Permit (HAWP). This application was **approved** at the April 9, 2025 HPC meeting.

The HPC staff has reviewed and stamped the attached submission materials.

THE BUILDING PERMIT FOR THIS PROJECT SHALL BE ISSUED CONDITIONAL UPON ADHERENCE TO THE ABOVE APPROVED HAWP CONDITIONS AND MAY REQUIRE APPROVAL BY DPS OR ANOTHER LOCAL OFFICE BEFORE WORK CAN BEGIN.

Applicant:Elizabeth Williams; Avantika Dalal, Agent.Address:20 W Kirke Street, Chevy Chase

This HAWP approval is subject to the general condition that the applicant will obtain all other applicable Montgomery County or local government agency permits. After the issuance of these permits, the applicant must contact this Historic Preservation Office if any changes to the approved plan are made. Once work is complete, the applicant will contact Laura DiPasquale at 301-495-2167 or <u>laura.dipasquale@montgomeryplanning.org</u> to schedule a follow-up site visit.



Description of Property: Please describe the building and surrounding environment. Include information on significant structures, landscape features, or other significant features of the property:

Description of Work Proposed: Please give an overview of the work to be undertaken:

REVIEWED

By Laura DiPasquale at 8:53 am, Apr 10, 2025

APPROVED

Montgomery County

Historic Preservation Commission

Work Item 1:	
Description of Current Condition:	Proposed Work:
Work Item 2:	
Description of Current Condition:	Proposed Work:

Work Item 3:	
Description of Current Condition:	Proposed Work:
	APPROVED
	Montgomery County
REVIEWED	Historic Preservation Commission
By Laura DiPasquale at 8:53 am, Apr 10, 2	Karen Bunlit

HISTORIC AREA WORK PERMIT

Address: 20 W Kirke St., Chevy Chase MD Applicant: Applicant's Agent: Date: 03/18/2025 HAWP #1109308 Written Narrative

Alteration

The proposed project includes restoration/ reconstruction of side porch and interior renovations to (2) second floor bedroom suites, including bathrooms.

Landscaping

Addition of stone patio and 18" height seat wall entirely on owner's property as shown on Site Plan. Tree Removal

On the East side of the house, an existing tree separates the proposed outdoor areas. The project proposes to remove the tree to unify the outdoor spaces.

REVIEWED

By Laura DiPasquale at 8:54 am, Apr 10, 2025

APPROVED

Montgomery County

Historic Preservation Commission

Karen Denli



Photo 1: Existing East side of the house- Showing porch doors to be removed and second floor bedroom to be renovated



Photo 2: North-West corner of the house. Showing porch window to be removed

APPROVED

Montgomery County Historic Preservation Commission

Karen Dunlik



Photo 3: Showing East side of the house- Porch doors to be removed



Photo 4: East side house. Showing evergreen tree to be removed.

Karen Bulit



Photo 5: Showing evergreen tree to be removed



Montgomery County

Historic Preservation Commission

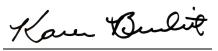




Photo 5: East side house. Showing preferred outdoor seating area.



Municipality Letter for Proposed Construction Project

Subject Property: Property Owner: Proposed Work:

20 West Kirke Street, Chevy Chase, MD 20815 **Elizabeth Williams** Project Manager/Contractor: Avantika Dalal /Moody Graham Landscape Architecture Restoration/reconstruction of side porch and interior renovations to second floor bedroom suites, including bathrooms

3/4/2025

Rabbiah Sabbakhan, Director Department of Permitting Services of Montgomery County 255 Rockville Pike, 2nd floor Rockville, MD 20850

Dear Mr. Sabbakhan,

This letter is to inform your department that the above homeowner/contractor has notified Chevy Chase Village that he or she plans to apply for both county and municipal permits for the above summarized construction project. Chevy Chase Village will not issue any municipal building permit(s) for this proposed project until Montgomery County has issued all necessary county permits and the applicant has provided Chevy Chase Village with copies of county-approved and stamped plans. We have advised the homeowner/contractor that a permit from Montgomery County does not guarantee a permit from this municipality unless the project complies with all our municipal rules and regulations.

If this homeowner/contractor later applies for an amended county permit, please do not approve that application until you have received a Municipality Letter from us indicating that the homeowner/contractor has notified us of that proposed amendment to the permit.

If you have any questions about this proposed project and the municipal regulation of it by Chevy Chase Village, do not hesitate to have your staff contact my office. The Village Permitting can Coordinator be reached by phone at 301-654-7300 or by e-mail at ccvpermitting@montgomerycountymd.gov.

Sincerely,

Shana R. Davis-Cook Chevy Chase Village Manager

CHEVY CHASE VILLAGE

5906 Connecticut Avenue Chevy Chase, Maryland 20815 Phone (301) 654-7300 Fax (301) 907-9721

ccv@montgomerycountymd.gov www.chevychasevillagemd.gov

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LEGAL COUNSEL SUELLEN M. FERGUSON

ADD'L ADJ AFF ALT ALUM APPL AMP	ADDITIONAL ADJUSTABLE ABOVE FINISH FLOOR ALTERNATE ALUMINUM APPLICABLE AMPERE	LAV LB LF LH LTG LTS LVT/LVP	LAVATORY POUND LINEAR FOOT/FEET LEFT HAND LIGHTING LIGHTS LUXURY VINYL TILE / PLANK
APPROX ARCH ACT BD	APPROXIMATELY ARCHITECTURAL ACOUSTICAL CEILING TILE BOARD	MANUF MAS MAT'L MAX	MANUFACTURER MASONRY MATERIAL MAXIMUM
BLDG BLKG B. <i>O</i> . BOT BRG	BUILDING BLOCKING BOTTOM OF BOTTOM BEARING	MECH MEMB MIN MISC MO	MECHANICAL MEMBRANE MINIMUM MISCELLANEOUS MASONRY OPENING
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		WWF YD	WELDED WIRE FABRIC YARD
GEN	NERAL NOTES		

 BEFORE COMMENCEMENT OF ANY WORK THAT CHANGES THE CONTRACT SUM OR CONTRACT TIME, WRITTEN AUTHORIZATION MUST BE OBTAINED FROM THE ARCHITECT. WORK THAT PROCEEDS WITHOUT WRITTEN AUTHORIZATION FROM THE ARCHITECT IS AT THE CONTRACTOR'S OWN RISK
THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL WORK,

3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINAT THIS INCLUDES BUT IS NOT LIMITED TO:

- a. PRE-BID SITE VISIT FOR VERIFICATION OF EXISTING CONDITIONS.
- b. FIELD DIMENSIONS AS REQUIRED
- c. CONCEALMENT OF MECHANICAL/ELECTRICAL SERVICES BEHIND BUILDING FINISHES
- UNLESS NOTED OTHERWISE.
- d. ALL MEANS AND METHODS
- 4. CONSTRUCTION SHALL CONFORM TO ALL CODES AND REGULATIONS HAVING JURISDICTION FOR THIS PROJECT.
- 5. THE MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS SHALL BE UPDATED AS REQUIRED. GENERAL CONTRACTOR SHALL PROVIDE PROPOSALS AND SHOP DRAWINGS FOR REVIEW AND APPROVAL BY ARCHITECT AND OWNER
- 6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL NECESSARY PERMITS ARE OBTAINED PRIOR TO PROCEEDING. WORK THAT PROCEEDS WITHOUT A PERMIT IS AT THE CONTRACTOR'S RISK.



WILLIAMS RESIDENCE 20 WEST KIRKE STREET CHEVY CHASE, MD 20815

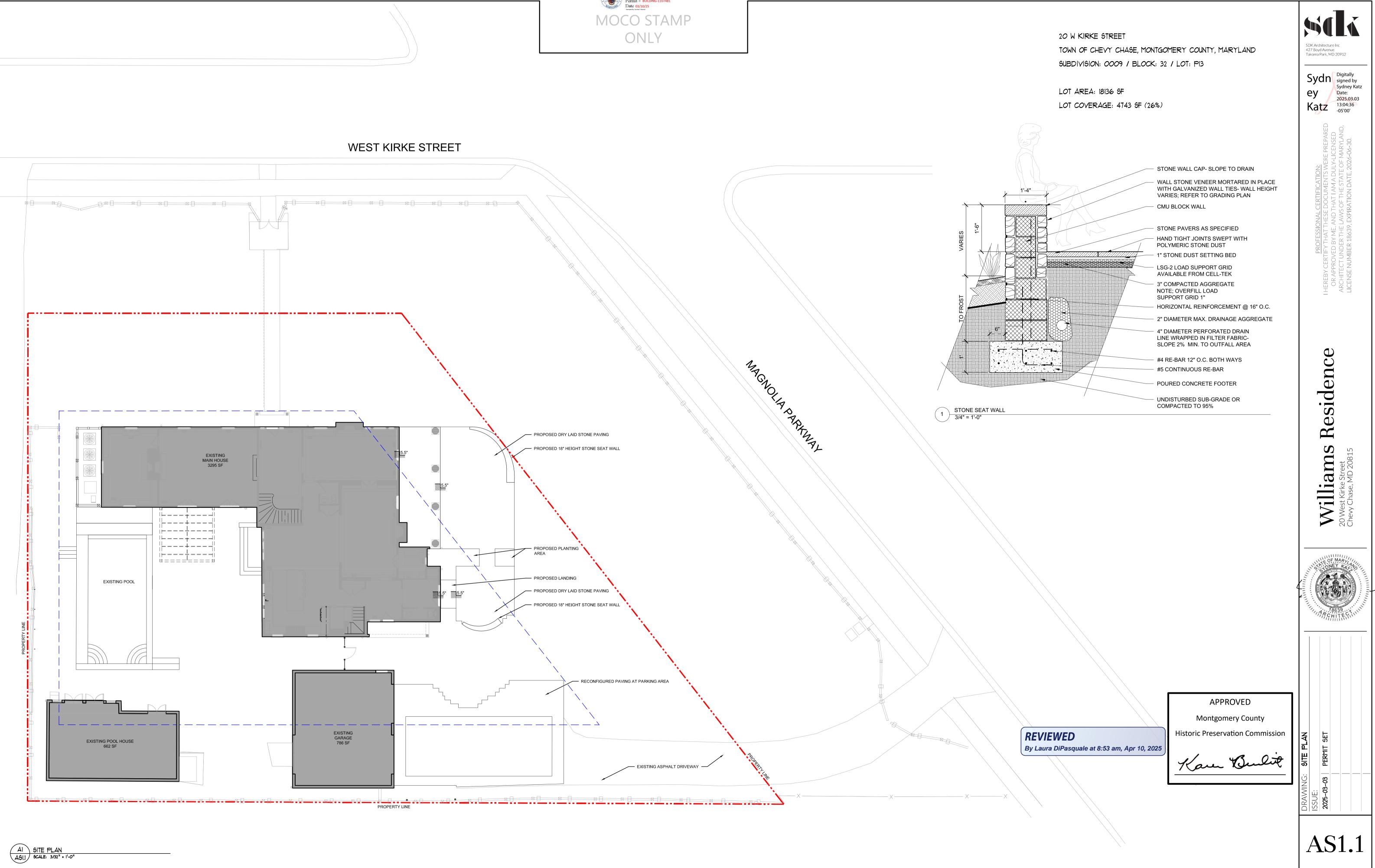
ADDITIONS, ALTERATIONS AND REPAIRS ON EXISTING STRUCTURES SHALL COMPLY WITH IRC 2018 SECTION R-102.7.1

GENERAL DATA SCK GENERAL DATA: SDK Architecture Inc 427 Boyd Avenue Takoma Park, MD 20912 20 W KIRKE STREET, ADDRESS: TOWN OF CHEVY CHASE, MONTGOMERY COUNTY, MARYLAND Sydn Digitally signed by PARCEL ID: SUBDIVISION: 0009 / BLOCK: 32 / LOT: PI3 Sydney Katz R-60 ZONING DISTRICT: ey Date: 2025.03.0 Katz 09:44:37 -05'00' PROJECT SCOPE: RESTORATION/RECONSTRUCTION OF SIDE PORCH AND INTERIOR RENOVATIONS TO (2) SECOND FLOOR BEDROOM SUITES, INCLUDING BATHROOMS NO. DWELLING UNITS: 1 (N.C.) NO. OF STORIES: 2 PLUS BASEMENT (N.C.) E.T.R. (N.C.) BUILDING HEIGHT: 5,638 SF ABOVE GRADE (N.C.) BUILDING AREA (UA): LOT AREA: 18.136 S.F. LOT COVERAGE: 4,743 S.F. WORK AREA (WA): 1,115 S.F. BUILDING CODES EXECUTIVE REGULATION 31-19 2018 INTERNATIONAL RESIDENTIAL CODE (IRC) 2018 INTERNATION EXISTING BUILDING CODE (IEBC) 2018 INTERNATIONAL ENERGY CONSERVATION CODE - RESIDENTIAL PROVISIONS (IECC) OCCUPANCY USE GROUP: R-3 sidence CONSTRUCTION TYPE: VB PROJECT TEAM <u>ARCHITECT:</u> SDK ARCHITECTURE INC <u>CONTRACTOR:</u> APEX BUILDERS GROUP STRUCTURAL ENGINEER: COBB ARCH. ENGINEERS LLC SYDNEY D KATZ NADER KALHOR CHRIS COBB Re 1427 BOLTON ST., STE I 427 BOYD AVENUE 210 N LEE STREET BALTIMORE, MD 21217 TAKOMA PARK, MD ALEXANDRIA, VA 22314 310-467-5907 703-350-4151 443-850-6885 SDK@SDK-ARCH.COM CCOBB@COBBAE.COM NADER@APEXBUILDERSGRP.COM lams INTERIOR DESIGNER: <u>OWNER:</u> WILLIAMS MONA ROSS BERMAN INTERIORS 20 WEST KIRKE STREET 3747 RIDGE AVE CHEVY CHASE, MD 20815 PHILADELPHIA, PA 19132 • — MONA R. BERMAN (215) 680-5953 **Wi** ^{20 West} FULL DRAWING INDEX STRUCTURAL SHEETS: ARCHITECTURAL SHEETS: CO-COVER SHEET 5001-GENERAL NOTES 5002-LEGEND AND SCHEDULES SITE PLAN FIRST FLOOR FRAMING PLAN ASI.I-5201-SECOND FLOOR FRAMING PLAN 5202-A2.0-DEMOLITION PLAN - LOWER LEVEL ROOF FRAMING PLAN 5203-DEMOLITION PLAN - FIRST FLOOR S300- DETAILS A2.I-DEMOLITION PLAN - SECOND FLOOR A2.2-A3.0-PROPOSED PLAN - LOWER LEVEL PROPOSED PLAN - FIRST FLOOR A3.I-A3.2-PROPOSED PLAN - SECOND FLOOR EXTERIOR ELEVATIONS A4.I-A4.2-BUILDING SECTION APPROVED Montgomery County **Historic Preservation Commission** REVIEWED

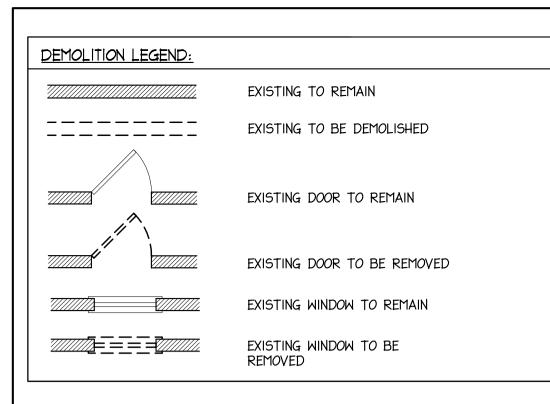
By Laura DiPasquale at 8:53 am, Apr 10, 2025

HISTORIC Preservation Commission



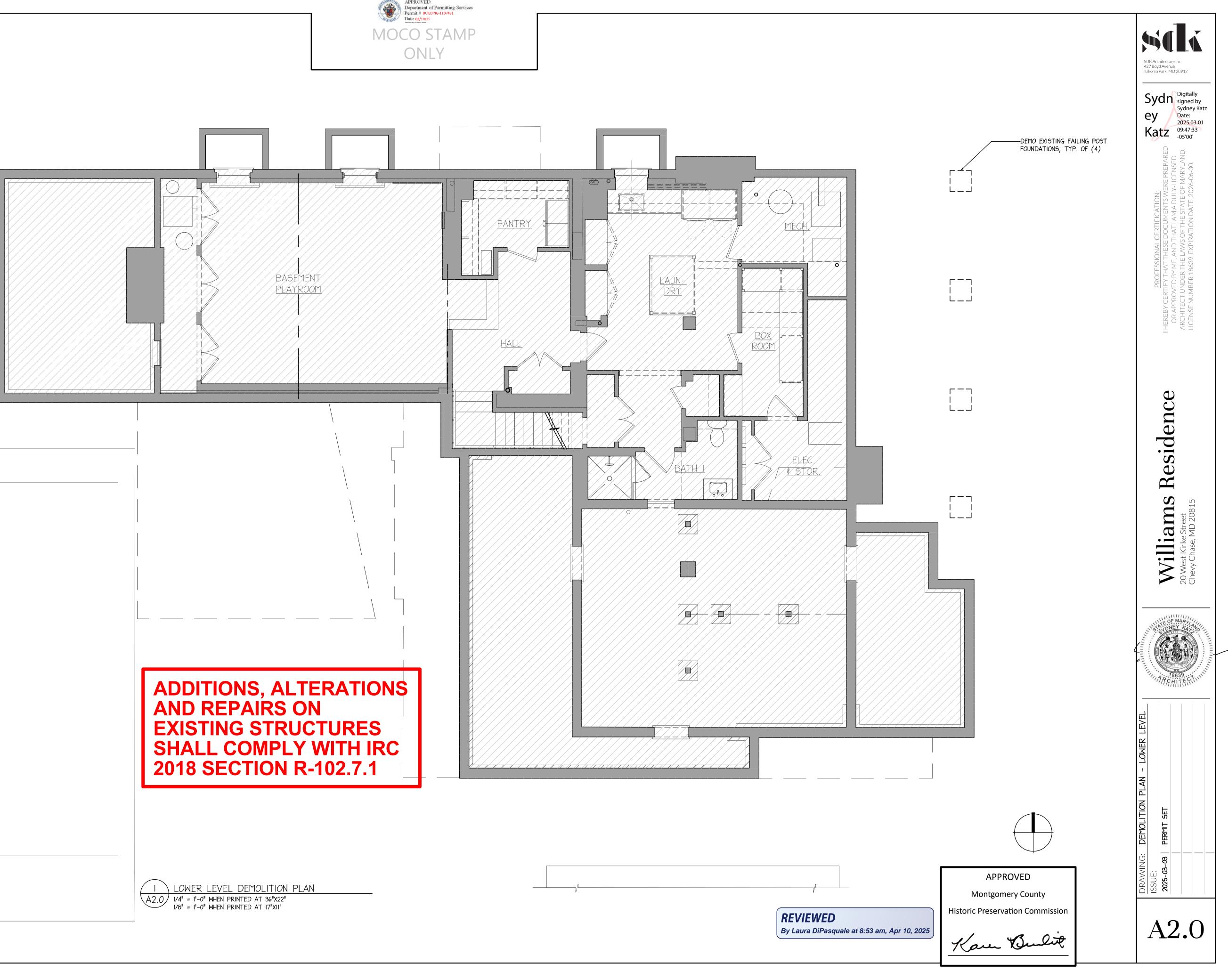




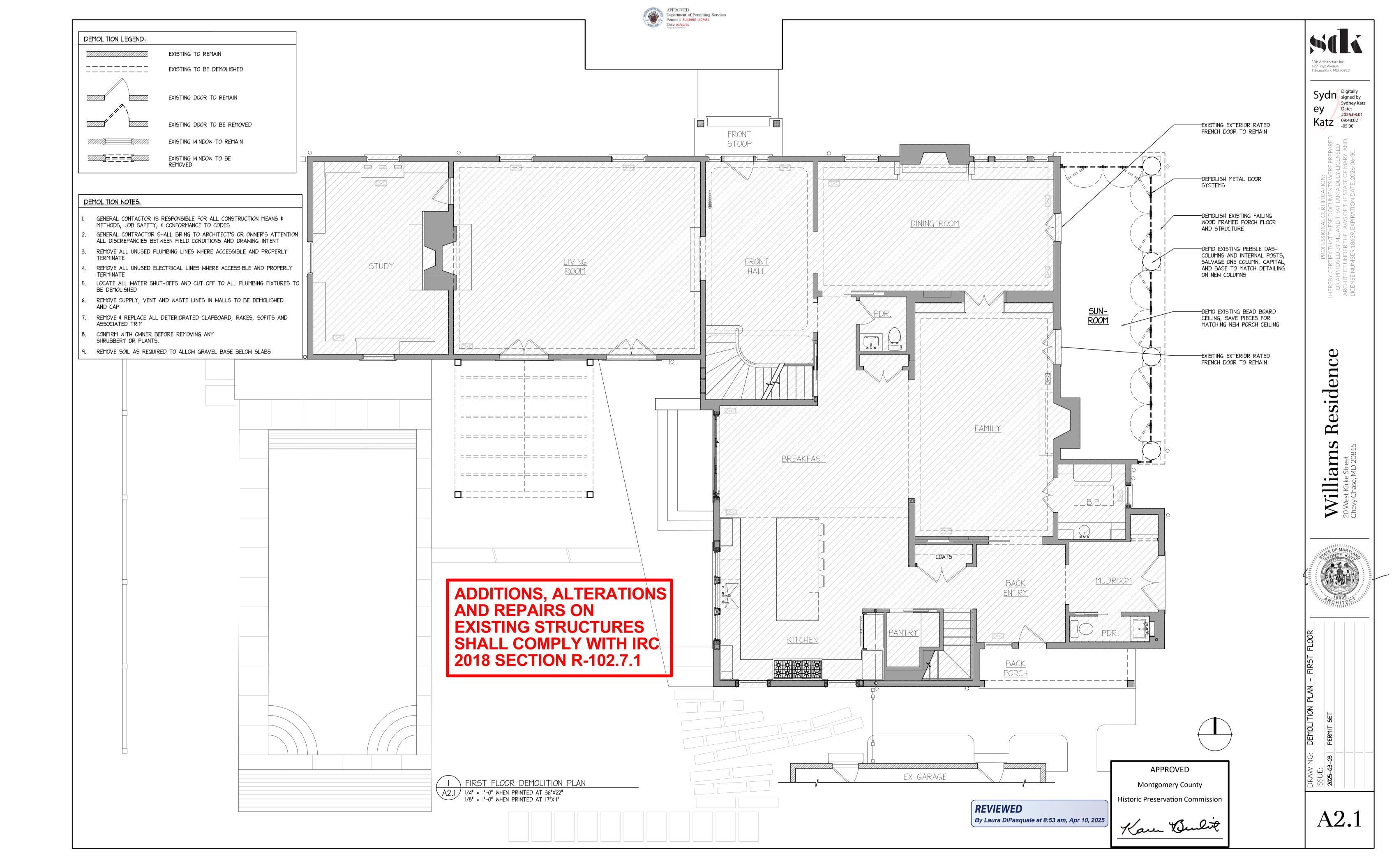


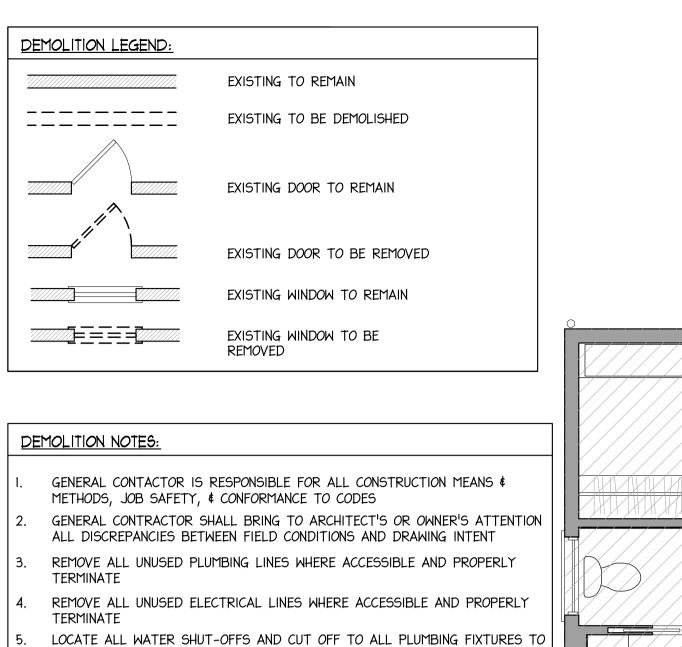
DEMOLITION NOTES:

- GENERAL CONTACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION MEANS \$ METHODS, JOB SAFETY, & CONFORMANCE TO CODES
- GENERAL CONTRACTOR SHALL BRING TO ARCHITECT'S OR OWNER'S ATTENTION ALL DISCREPANCIES BETWEEN FIELD CONDITIONS AND DRAWING INTENT
- REMOVE ALL UNUSED PLUMBING LINES WHERE ACCESSIBLE AND PROPERLY TERMINATE REMOVE ALL UNUSED ELECTRICAL LINES WHERE ACCESSIBLE AND PROPERLY 4.
- TERMINATE LOCATE ALL WATER SHUT-OFFS AND CUT OFF TO ALL PLUMBING FIXTURES TO BE DEMOLISHED
- REMOVE SUPPLY, VENT AND WASTE LINES IN WALLS TO BE DEMOLISHED AND CAP
- REMOVE & REPLACE ALL DETERIORATED CLAPBOARD, RAKES, SOFITS AND ASSOCIATED TRIM
- CONFIRM WITH OWNER BEFORE REMOVING ANY SHRUBBERY OR PLANTS.
- 9. REMOVE SOIL AS REQUIRED TO ALLOW GRAVEL BASE BELOW SLABS



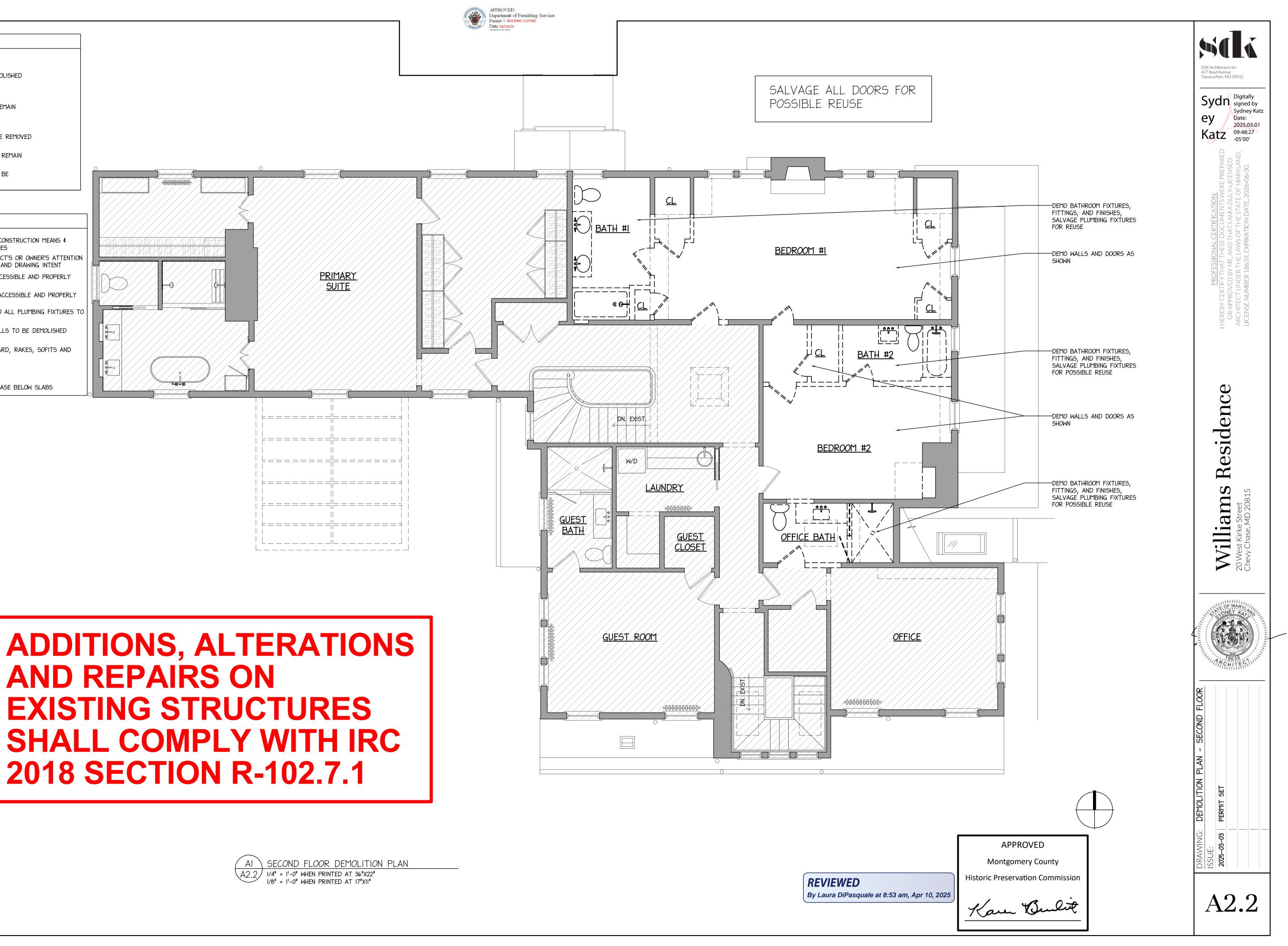






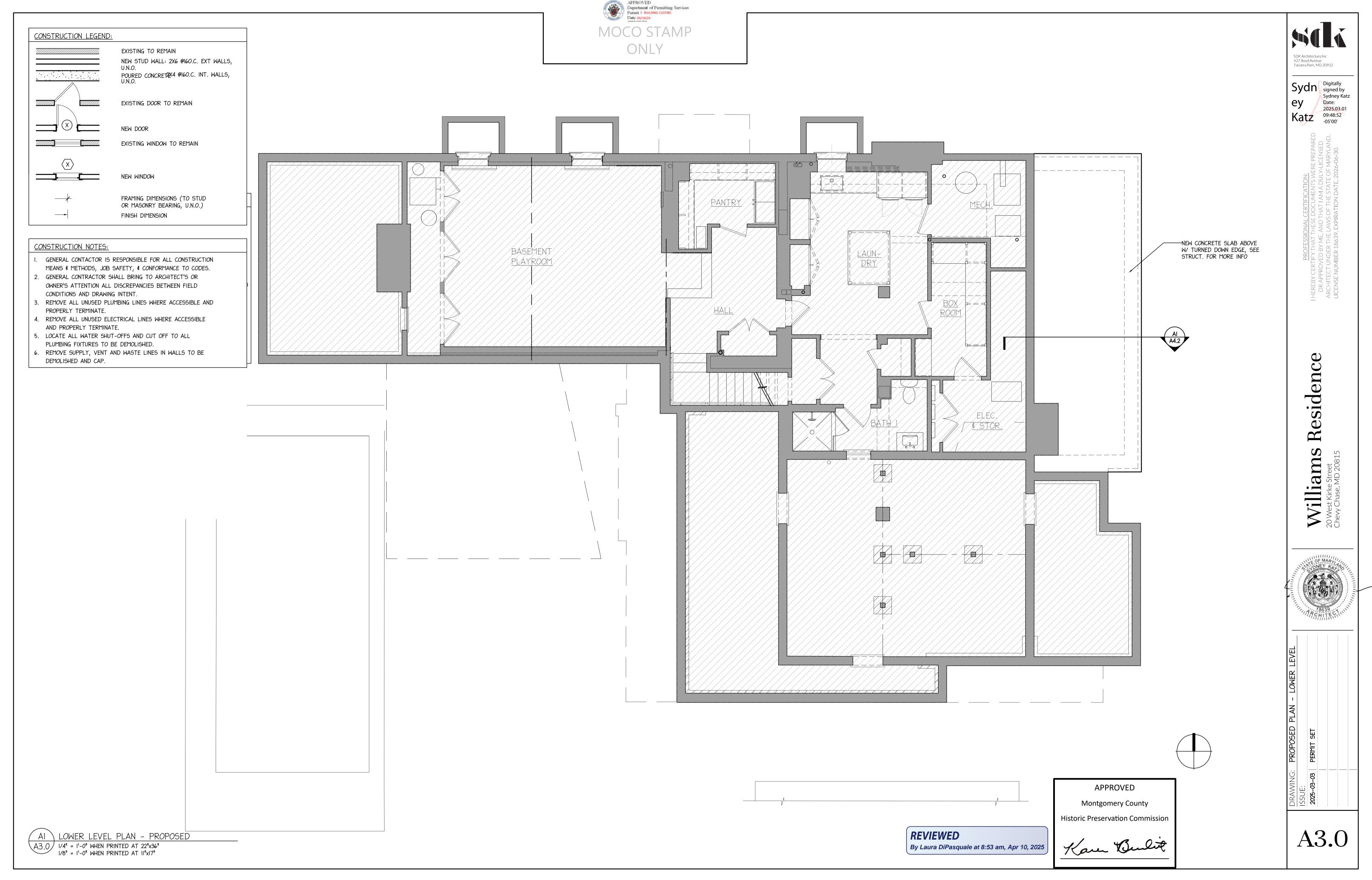


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- REMOVE SOIL AS REQUIRED TO ALLOW GRAVEL BASE BELOW SLABS

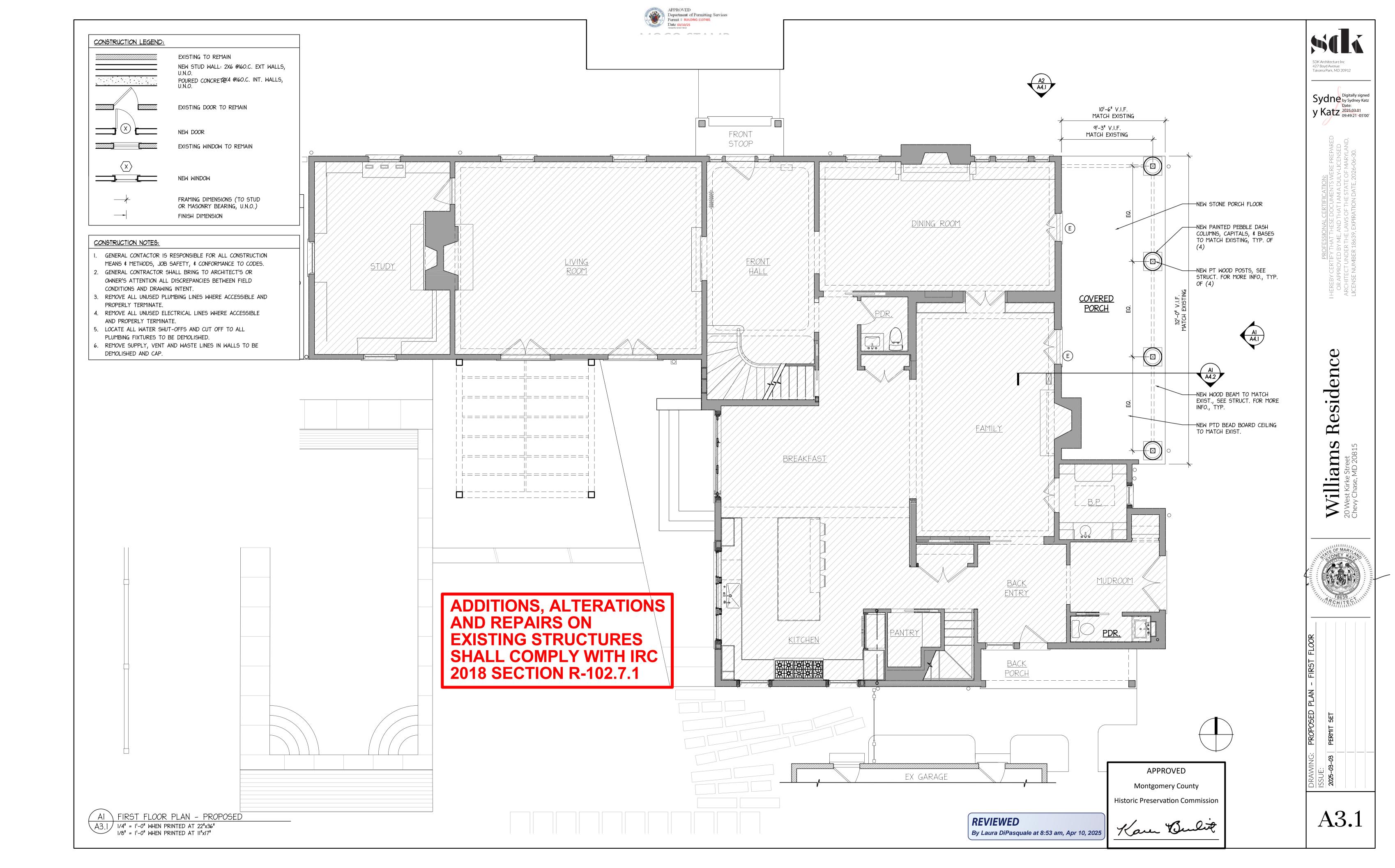


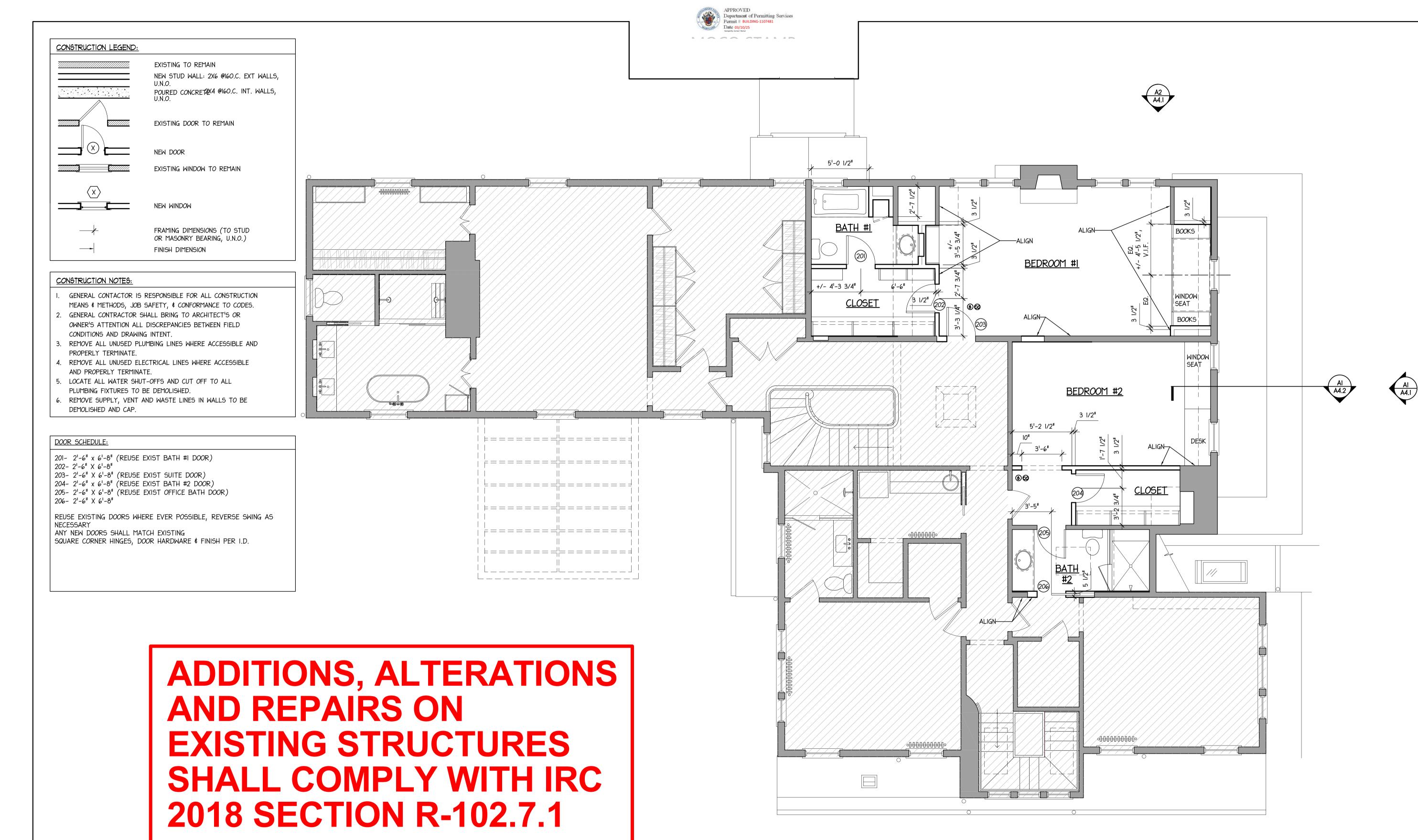
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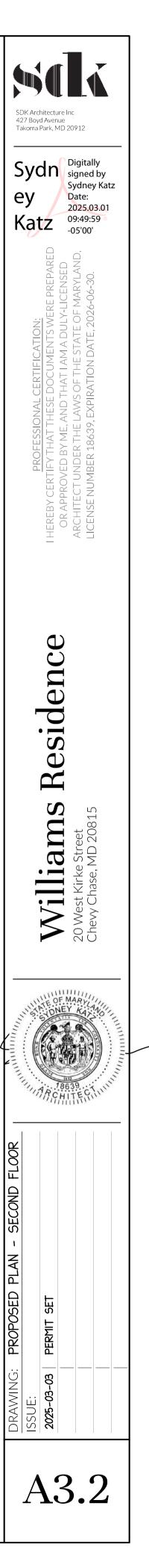












Montgomery County Historic Preservation Commission

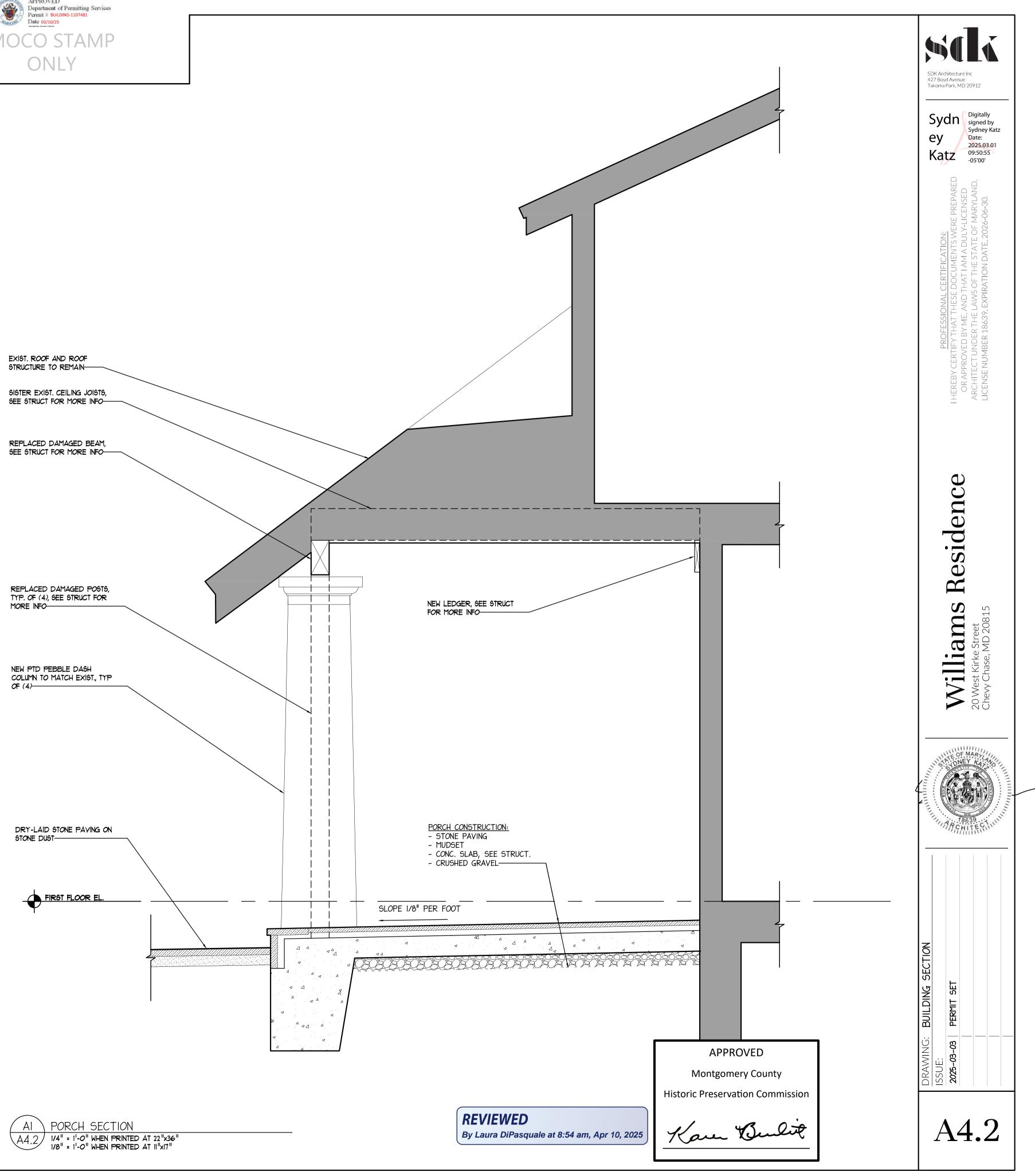
Karen Bulit

APPROVED











<u>GENERAL</u>

- CONTRACTOR SHALL PROVIDE TEMPORARY SHORING, BRACING, SHEETING AND MAKE SAFE ALL FLOORS, ROOFS, WALLS AND ADJACENT PROPERTY, AS PROJECT CONDITIONS REQUIRE. A PROFESSIONAL ENGINEER, LICENSED BY THE STATE OF MARYLAND AND HIRED BY THE CONTRACTOR, SHALL DESIGN ALL SHORING AND SHEETING AND SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR THE OWNER'S REVIEW.
- ALL STRUCTURAL WORK SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND SHALL CONFORM TO THE PROJECT SPECIFICATIONS, INCLUDING THE INTERNATIONAL RESIDENTIAL CODE (2018) AS MODIFIED BY THE GOVERNING LOCALITY.
- DIMENSIONS AND ELEVATIONS OF EXISTING CONSTRUCTION GIVEN IN STRUCTURAL DRAWINGS ARE BASED ON INFORMATION CONTAINED IN VARIOUS ORIGINAL DESIGN AND CONSTRUCTION DOCUMENTS PROVIDED BY THE OWNER, AND LIMITED FIELD OBSERVATIONS AND MEASUREMENTS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION PERTAINING TO EXISTING CONDITIONS BY ACTUAL MEASUREMENT AND OBSERVATION AT THE SITE. ALL DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN IN THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT FOR EVALUATION BEFORE THE AFFECTED CONSTRUCTION IS PUT IN PLACE.
- THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS REPRESENTS THE DESIGN INTENT OF THE PROPOSED CONSTRUCTION. ELECTRONIC VERSIONS (PDF, DWG) OF THESE DRAWINGS SHOULD NOT BE USED TO DETERMINE DIMENSIONS OR GATHER ANY INFORMATION THAT IS NOT SPECIFICALLY LABELED OR OTHERWISE DENOTED IN PLAN, SECTION, OR DETAIL. DUPLICATION OF THESE DRAWINGS FOR USE IN THE PREPARATION OF SHOP DRAWINGS IS NOT ACCEPTABLE. THIS INCLUDES ANNOTATED HARD-COPIES AND DIRECT REUSE OF ELECTRONIC FILES.

FOUNDATIONS

- BUILDING FOUNDATIONS SHALL BEAR ON UNDISTURBED SOIL HAVING MINIMUM BEARING CAPACITY OF 1500 PSF. ADEQUACY OF BEARING STRATUM SHALL BE VERIFIED IN FIELD PRIOR TO PLACING CONCRETE. ADJUST BOTTOM OF FOOTING ELEVATIONS AS REQUIRED.
- FINISH ALL FOOTING EXCAVATIONS BY HAND. NO FOOTINGS SHALL BE PLACED IN WATER OR ON FROZEN GROUND. PROTECT FOOTINGS FROM FROST AFTER THEY ARE PLACED.
- AT INTERSECTIONS BETWEEN NEW AND EXISTING WALLS, STEP NEW FOOTING TO MATCH EXISTING. DRILL AND GROUT 2-#5 BARS x 2'-6" LONG INTO EXISTING FOOTING IN HILTI HIT-HY200 ADHESIVE WITH 6" EMBEDMENT.
- 4. DO NOT PLACE FILL AGAINST FOUNDATION WALLS UNLESS ADEQUATELY BRACED BY COMPLETED FLOORS OR OTHER MEANS DEEMED APPROPRIATE BY THE ARCHITECT.
- FILL AND BACKFILL MATERIAL- CLEAN RUN OF BANK MATERIAL, FREE OF DELETERIOUS ORGANIC MATERIALS. ALL EXTERIOR FOOTINGS SHALL BE PLACED A MINIMUM OF 2'-6" BELOW FINAL GRADE.

CAST-IN-PLACE CONCRETE

- ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4500 PSI AT 28 DAYS. SLUMP SHALL BE 4" FOR SLABS ON GRADE AND 5" FOR ALL OTHER CONCRETE.
- ALL FOUNDATION CONCRETE SHALL INCLUDE 5% AIR ENTRAINMENT ($\pm 1.5\%$). ADJUST AIR ENTRAINMENT FOR EXPOSURE CLASS AS REQUIRED.
- REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60. REINFORCING STEEL SHALL BE DETAILED ACCORDING TO THE ACI MANUAL OF CONCRETE PRACTICE (ACI 315), LOCALLY APPROVED EDITION. WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185, WITH A MINIMUM ULTIMATE TENSILE STRENGTH OF 70.000 PSI.
- CONCRETE WORK SHALL BE DESIGNED, REINFORCED, PLACED AND CURED IN CONFORMANCE WITH THE LOCALLY APPROVED EDITION OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE", AND ALL RECOMMENDED PRACTICES CONTAINED THEREIN SHALL BE CONSIDERED MANDATORY FOR THIS PROJECT. PROVIDE MINIMUM TEMPERATURE REINFORCEMENT, AS REQUIRED BY ACI-318, IN ALL SLABS AND WALLS WHERE
- REINFORCEMENT IS NOT INDICATED ON DRAWINGS.
- COORDINATE SIZE AND LOCATION OF ALL OPENINGS AND PIPE SLEEVES WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. MINIMUM CONCRETE BETWEEN SLEEVES SHALL BE 6".
- 8. PROVIDE CLEARANCE FROM FACE OF CONCRETE TO REINFORCEMENT AS FOLLOWS:

SLABS:	
BEAMS, COLUMNS:	
FOOTINGS:	
EXTERIOR WALLS:	
INTERIOR WALLS:	

- 2" FOR #6 OR LARGER, 1 1/2" FOR #5 OR SMALLER
- ALL GROUT SHALL BE NON-SHRINK WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI. 10. UNLESS SPECIFICALLY WAIVED BY ENGINEER OF RECORD, CEMENTITIOUS MATERIAL REPLACEMENT FOR CONCRETE MIXES AT ALL CAST-IN-PLACE CONCRETE SHALL BE 10% MINIMUM AND 33% MAXIMUM USING ONE OF THE FOLLOWING:
- GROUND GRANULATED BLAST FURNACE SLAG (GGBFS) OR FLY ASH. . WHERE CONCRETE IS PLACED AGAINST AND DOWELED TO HARDENED CONCRETE AND/OR WHERE A ROUGHENED SURFACE IS INDICATED IN THE STRUCTURAL DRAWINGS, THE HARDENED CONCRETE SURFACE SHALL BE CLEAN AND FREE OF LAITANCE AND SHALL BE ROUGHENED TO A FULL AMPLITUDE OF APPROXIMATELY 1/4".

WOOD STRUCTURAL PANEL SHEATHING

- PROVIDE STRUCTURAL I PLYWOOD OR OSB SHEATHING WITH BOND CLASSIFICATIONS APPROPRIATE TO THE END USE: "EXTERIOR" (PERMANENT EXPOSURE), OR "EXPOSURE I" (CONSTRUCTION EXPOSURE ONLY)
- FLOOR SHEATHING: NOM. 3/4" THICK T & G PLYWOOD OR OSB (48/24 SPAN RATING), APA STURD-I-FLOOR, OR ADVANTECH SUBFLOOR.
- ROOF SHEATHING (STANDARD): NOM. 5/8" THICK T & G PLYWOOD OR OSB (48/24 SPAN RATING).
- 4. ROOF SHEATHING (UNDER SLATE OR CLAY TILE): NOM. 3/4" THICK T & G PLYWOOD OR OSB (48/24 SPAN RATING). WALL SHEATHING (STANDARD): NOM. 1/2" THICK PLYWOOD (32/16 SPAN RATING).
- WALL SHEATHING (BEHIND SLATE, CLAY TILE, OR MASONRY VENEER): NOM. 3/4" THICK PLYWOOD (48/24 SPAN RATING)
- ALL FLOOR SHEATHING SHALL BE GLUED AND SCREWED TO FLOOR JOISTS USING AN APA APPROVED ADHESIVE
- (LOKTITE PL400 OR EQUAL). 8. USE PLY CLIPS OR OTHER EDGE SUPPORT AS REQUIRED FOR SHEATHING.
- 9. LEAVE 3/6" SPACE AT ALL PLYWOOD PANEL END JOINTS AND 3/6" SPACE AT ALL PLYWOOD PANEL EDGE JOINTS EXCEPT WHEN USING T & G PANELS
- 10. UNLESS NOTED OTHERWISE, WALL SHEATHING SHALL BE FASTENED TO FRAMING WITH 10d COMMON NAILS @ 4" O.C. AT EACH SHEET PERIMETER AND 12" O.C. ELSEWHERE. PROVIDE 2x6 BLOCKING AT ALL FREE EDGES. 1. UNLESS NOTED OTHERWISE, FLOOR SHEATHING UP TO 3/4" THICK SHALL BE FASTENED TO FRAMING WITH 2-1/2" LONG SIMPSON WSNTL QUIK DRIVE SCREWS (0.175" DIA.). AND FLOOR SHEATHING GREATER THAN
- 3/4" SHALL BE FASTENED TO FRAMING WITH 3" LONG SIMPSON WSNTL QUIK DRIVE SCREWS. FLOOR SHEATHING SHALL ALSO BE GLUED TO FRAMING USING AN APA-APPROVED ADHESIVE. 12. UNLESS NOTED OTHERWISE, ROOF SHEATHING SHALL BE FASTENED TO FRAMING WITH 10d COMMON NAILS.
- 13. UNLESS NOTED OTHERWISE, FLOOR AND ROOF DIAPHRAGMS SHALL BE UNBLOCKED. A. UNBLOCKED DIAPHRAGMS: UNLESS NOTED OTHERWISE, FASTENERS OF SHEATHING TO FRAMING SHALL BE SPACED @ 6" O.C. AT SUPPORTED SHEATHING PANEL EDGES AND AT ALL DIAPHRAGM BOUNDARIES (PERIMETER OF FLOOR/ROOF; PERIMETER OF ALL OPENINGS; AND ALL RIDGES, VALLEYS, HIPS, AND OTHER CHANGES IN SLOPE) AND @ 12"O.C. ELSEWHERE.
 - B. BLOCKED DIAPHRAGMS: UNLESS NOTED OTHERWISE, FASTENERS OF SHEATHING TO FRAMING SHALL BE SPACED @ 6" O.C. AT ALL SHEATHING PANEL EDGES AND @ 12" O.C. ELSEWHERE. PROVIDE 2x BLOCKING AT ALL UNSUPPORTED PANEL EDGES TO RECEIVE FASTENERS.

FRAMING LUMBER

- RAFTERS AND JOISTS: HEM-FIR #2 OR SPRUCE-PINE-FIR #2
- STUDS AND PLATES: HEM-FIR STUD GRADE OR SPRUCE-PINE-FIR STUD GRADE TIMBER LUMBER SHALL CONFORM TO THE FOLLOWING SPECIES AND GRADE:
- POST AND TIMBER: HEM-FIR #1 OR SPRUCE-PINE-FIR #1 BEAMS AND STRINGERS: HEM-FIR #1 OR SPRUCE-PINE-FIR #'PRESERVATIVE-TREATED WOOD: PROVIDE TREATED SOUTHERN PINE #2 LUMBER COMPLYING WITH ACQ-D (CARBONATE), COPPER AZOLE (CA-B), OR SODIUM BORATE (SBX (DOT) WITH NaSIO2) AT ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY, OR AS OTHERWISE INDICATED ON ARCHITECTURAL OR STRUCTURAL DRAWINGS. ACZA TREATMENT IS NOT PERMITTED. TREATED LUMBER AND/OR PLYWOOD SHALL BEAR THE LABEL OF AN ACCREDITED AGENCY SHOWING 0.40 PCF RETENTION. WHERE LUMBER AND/OR PLYWOOD IS CUT OR DRILLED AFTER TREATMENT, THE TREATED SURFACE SHALL BE FIELD-TREATED WITH COPPER NAPTHENATE (THE
- CONCENTRATION OF WHICH SHALL CONTAIN A MINIMUM OF 2% COPPER METAL) BY REPEATED BRUSHING. DIPPING, OR SOAKING UNTIL THE WOOD ABSORBS NO MORE PRESERVATIVE. 4. ALL WOOD FRAMING INCLUDING DETAILS FOR BRIDGING, BLOCKING, FIRE STOPPING, ETC., SHALL CONFORM TO
- THE LOCALLY APPROVED EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" AND ITS SUPPLEMENTS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE (SEE DESIGN LOADS AND FACTORS TABLE FOR IRC EDITION). 5. FASTENING SHALL BE IN ACCORDANCE WITH THE MOST RESTRICTIVE OF: THE INTERNATIONAL RESIDENTIAL CODE. OR THE MANUFACTURER'S RECOMMENDED FASTENING SCHEDULES. (SEE DESIGN LOADS AND FACTORS TABLE FOR IRC EDITION)
- 6. ALL FLUSH FRAMED CONNECTIONS SHALL BE MADE WITH APPROVED GALVANIZED STEEL JOIST OR BEAM
- HANGERS, MINIMUM 18 GAUGE, INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. 7. WHERE FRAMING LUMBER IS FLUSH FRAMED TO MICROLLAM, STEEL OR FLITCH-PLATE GIRDER, SET THESE GIRDERS ¼" CLEAR (MIN.) BELOW TOP OF FRAMING LUMBER, TO ALLOW FOR SHRINKAGE.
- 8. STUD BEARING WALLS ARE TO BE 2x6. @ 16" O.C., UNLESS NOTED OTHERWISE ON PLAN.
- . LAP ALL PLATES AT CORNERS AND AT INTERSECTION OF PARTITIONS. 10. STAGGER ALL TOP AND BOTTOM PLATE SPLICES A MINIMUM OF 32 INCHES.
- 11. USE DOUBLE STUDS @ ENDS OF WALL AND ENDS OF WALL OPENINGS. 12. AT THE ENDS OF ALL BEAMS, HEADERS AND GIRDERS PROVIDE A BUILT UP OR SOLID POST WHOSE WIDTH IS AT LEAST EQUAL TO THE WIDTH OF THE MEMBER IT IS SUPPORTING AND WHOSE DEPTH IS 4" (NOM.) AT INTERIOR WALLS AND 6" (NOM.) AT EXTERIOR WALLS.
- 13. USE DOUBLE TRIMMERS AND HEADERS AT ALL FLOOR OPENINGS WHERE BEAMS ARE NOT DESIGNATED. 14. BRIDGING FOR SPANS UP TO 14 FT., PROVIDE 1 ROW. BRIDGING FOR SPANS OVER 14 FT., PROVIDE 2 ROWS. 15. BUILT-UP BEAMS LESS THAN 8" DEEP SHALL BE SPIKED TOGETHER WITH (2) 16D NAILS @ 16" O.C.
- BUILT-UP BEAMS GREATER THAN 8" DEEP SHALL BE SPIKED TOGETHER WITH (3) 16D NAILS @ 16" O.C. 16. WHERE THERE IS NO PLYWOOD WALL SHEATHING, PROVIDE DIAGONALS AT ALL EXTERIOR CORNERS OF STUD WALLS AT EACH FLOOR. (1"x4" BRACES LET INTO STUDS AND NAILED AT EACH STUD CROSSING WITH (2) 10D
- NAILS) 17. WHERÉ CANTILEVERED BEAMS ARE INDICATED, THE FAR CONNECTOR SHALL BE CAPABLE OF RESISTING AN
- UPLIFT OF 1000 LBS. MIN., U.N.O. 18. NO NEW OR EXISTING JOISTS SHALL BE CUT OR NOTCHED WITHOUT APPROVAL.
- 19. ALL LIGHT-GAGE HANGERS SUPPORTING PRESERVATIVE TREATED WOOD SHALL MEET OR EXCEED G185 (1.85 oz OF ZINC PER SQUARE FOOT). ALTERNATIVELY, STAINLESS STEEL CONNECTORS MAY BE USED. FASTENERS SHALL MATCH THE SELECTED HANGER FINISH AND MATERIAL
- 20. WHERE JOIST ORIENTATION IS PARALLEL TO EXTERIOR STUD OR FOUNDATION WALLS, PROVIDE FULL-SECTION BLOCKING FOR 3 BAYS @ 4'-0" O.C. MAX. A. WHERE SHEATHING IS NOT CONTINUOUSLY FASTENED TO TOP OF JOISTS, PROVIDE 18 GA.x 1/2"x12" (MIN.)
- FLAT TENSION STRAPS BETWEEN ALIGNED BLOCKING MEMBERS. B. WHERE SHEATHING IS NOT CONTINUOUSLY FASTENED TO BOTTOM OF JOISTS, PROVIDE 18 GA.x 1/2"x12"
- (MIN.) FLAT TENSION STRAPS BETWEEN ALIGNED BLOCKING MEMBERS. 22. ALL SILL PLATES SHALL BE P.T. AND ANCHORED TO FOUNDATION WALLS W/ ½" DIA. HEADED ANCHOR BOLTS
- (ASTM F1554) @ 4'-0" O.C. THERE SHALL BE A MINIMUM OF (2) BOLTS PER PLATE SECTION WITH (1) BOLT LOCATED NOT MORE THAN 12" OR LESS THAN 7x BOLT DIA. FROM THE END OF EACH PLATE SECTION. ANCHOR BOLTS SHALL HAVE A MINIMUM 7" EMBEDMENT INTO CONCRETE OR GROUTED CMU CELLS. THE BOLTS SHALL BE LOCATED WITHIN THE MIDDLE THIRD OF THE PLATE WIDTH AND HAVE A TIGHTENED NUT AND
- WASHER. 23. WOOD BEAMS, JOIST, STUDS AND OTHERS COMBUSTIBLE MATERIAL SHALL HAVE A CLEARANCE OF NOT LESS THAN 2 INCHES (51 mm) FROM THE FRONT AND SIDES OF MASONRY FIREPLACES AND NOT LESS THAN 4 INCHES (102 mm) FROM THE BACK FACES OF MASONRY FIREPLACES. THE AIRSPACES SHALL NOT BE FILLED, EXCEPT TO PROVIDE FIREBLOCKING WITH SECTION R1001.12.

WOOD HEADER SCHEDULE

ROUGH OPENING WIDTH:	HEAD	ER:	JACK STUDS	KING	STUDS
	2x4 WALL	2x6 WALL	ALL	INTERIOR	EXTERIOR
LESS THAN 3'–0"	(2) 2x6	(3) 2x8	1	1	1
3'-1 TO 4'-0"	(2) 2x8	(3) 2x8	1	1	2
4'-1" TO 6'-0"	(2) 2x10	(3) 2x10	2	2	2
6'-1" TO 8'-0"	(2) 2x12	(3) 2x12	2	2	3
OVER 8'-0"		S	EE PLANS		

ENGINEERED WOOD PRODUCTS

- 1. WOOD I-JOISTS: PROVIDE ENGINEERED WOOD I-JOISTS. SIZES AND SERIES AS SHOWN, AS MANUFACTURED BY WEYERHAUSER OR APPROVED EQUAL. INSTALL IN STRICT COMPLIANCE WITH THE MANUFACTURER'S STANDARD RECOMMENDATIONS AND DETAILS, INCLUDING CONSTRUCTION BRACING, MINIMUM BEARING LENGTHS, WEB STIFFENERS, SQUASH BLOCKS, BLOCKING, KNOCKOUTS AND HOLES, ETC. THE JOIST SPACING IDENTIFIED ON PLAN MAY BE EXCEEDED AT ISOLATED LOCATIONS TO ACCOMMODATE THE WORK OF OTHER TRADES PROVIDED THE FOLLOWING CONDITIONS ARE MET:
- A. THE SUM OF TWO ADJACENT JOISTS SPACINGS SHALL NOT EXCEED TWO TIMES THE AVERAGE SPACING SHOWN ON PLAN.
- B. NO SINGLE JOIST SPACING SHALL EXCEED 21" 2. RIM BOARDS: PROVIDE CONTINUOUS 14" THICK RIM BOARDS, TIMBERSTRAND LSL AS MANUFACTURED BY WEYERHAUSER, OR APPROVED EQUAL. INSTALL IN COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AT THE
- PERIMETER OF ALL FLOOR PLATFORMS. 3. MICROLLAM BEAMS: PROVIDE ENGINEERED BEAMS, SIZES AS SHOWN, MICROLLAM LVL (Fb=2600 PSI, E=2,000,000 PSI) OR PARALLAM PSL (Fb=2900 PSI, E=2,000,000 PSI) AS MANUFACTURED BY WEYERHAUSER OR APPROVED
- EQUAL. INSTALL IN STRICT COMPLIANCE WITH THE MANUFACTURER'S STANDARD RECOMMENDATIONS AND DETAILS. 117-04 DESIGN STANDARD SPECIFICATIONS FOR STRUCTURAL GLUED LAMINATED TIMBER OF SOFTWOOD SPECIES.
- 4. GLUED LAMINATED TIMBER (SOFTWOOD): PROVIDE ENGINEERED BEAMS, SIZES AS SHOWN, IN ACCORDANCE WITH AITC UNLESS NOTED OTHERWISE, ALL LAMINATIONS SHALL BE SOUTHERN PINE. A. ANTHONY POWER COLUMNS: COMBINATION 50 SOUTHERN PINE N1D14
 - B. ANTHONY POWER PRESERVED COLUMNS: COMBINATION 50 SOUTHERN PINE N1D14 C. ANTHONY POWER BEAMS: 3000 Fb - 2.1E - 300 Fv
- D. ANTHONY POWER PRESERVED BEAMS: $24F \sqrt{5}M1/SP$ (2400 Fb 1.8E 300 Fv) 5. WHERE JOIST ORIENTATION IS PARALLEL TO EXTERIOR STUD OR FOUNDATION WALLS, PROVIDE FULL-SECTION BLOCKING FOR 3 BAYS @ 4'-0" O.C. MAX.
- B. WHERE SHEATHING IS NOT CONTINUOUSLY FASTENED TO TOP OF JOISTS, PROVIDE 18 GA.X 1/3"x12" (MIN.) FLAT TENSION STRAPS BETWEEN ALIGNED BLOCKING MEMBERS. C. WHERE SHEATHING IS NOT CONTINUOUSLY FASTENED TO BOTTOM OF JOISTS, PROVIDE 18 GA.X 1/2"X12" (MIN.)
- FLAT TENSION STRAPS BETWEEN ALIGNED BLOCKING MEMBERS.
- 5. USE DOUBLE TRIMMERS AND HEADERS AT ALL FLOOR OPENINGS WHERE BEAMS ARE NOT DESIGNATED. 7. BRIDGING FOR SPANS UP TO 14 FT., PROVIDE 1 ROW. BRIDGING FOR SPANS OVER 14 FT., PROVIDE 2 ROWS.

- 1. UNLESS NOTED OTHERWISE IN PLAN, PROVIDE HEADERS PER THE FOLLOWING:



- 1. FRAMING LUMBER SHALL HAVE EACH PIECE GRADE STAMPED, SHALL BE SURFACED DRY (EXCEPT STUDS, WHICH SHALL BE KILN-DRIED) AND SHALL CONFORM TO THE FOLLOWING SPECIES AND GRADE:
 - BEAMS, GIRDERS AND HEADERS: HEM-FIR #1 OR SPRUCE-PINE-FIR #1

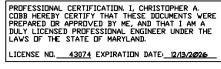
NOTES: AT FLUSH FRAMED BEAMS PROVIDE THE REQUIRED NUMBER OF KING STUDS NOTED, 2 MINIMUM.

INSPECTION AND TESTING

- 1. THE FOLLOWING MINIMUM INSPECTIONS SHALL BE PERFORMED BY A TESTING AGENCY ENGAGED BY THE OWNER. ADDITIONAL INSPECTIONS MAY BE REQUIRED BY THE LOCAL JURISDICTION'S SPECIAL INSPECTIONS PROGRAM (SEE ITEM 2).:
 - A. WELDING B. SUBGRADE FOR FOUNDATIONS
- C. HIGH STRENGTH BOLTING
- D. QUALITY CONTROL OF CONCRETE MATERIALS, BATCHING, STRENGTH, SLUMP, AIR CONTENT, UNIT WEIGHT, TEMPERATURE, FORMS, SIZE AND PLACEMENT OF REINFORCEMENT. E. STABILITY OF BUILDING CONSTRUCTION.
- 2. WHERE REQUIRED BY THE LOCAL JURISDICTION, A SEPARATE SCHEDULE OF INSPECTIONS WILL BE COMPLETED IN ACCORDANCE WITH THE JURISDICTION'S REQUIREMENTS. THE TESTING AGENCY SHALL FILE THIS SCHEDULE AND ALL OTHER NECESSARY FORMS WITH THE BUILDING DEPARTMENT
- 3. CAST-IN-PLACE CONCRETE (IF NO SPECIFICATION DOCUMENT PROVIDED): A. INSPECT THE FORMWORK AND REINFORCING STEEL PLACEMENT FOR COMPLIANCE WITH THE CONTRACT
- DOCUMENTS AND SHOP DRAWINGS B. MONITOR STRUCTURAL CONCRETE PLACEMENT FOR CONFORMANCE BASED ON ACI STANDARDS C. AT THE TIME OF CONCRETE PLACEMENT, CAST CYLINDERS AND TAKE COMPOSITE CONCRETE SAMPLES FOR
- THE PURPOSES OF TESTING AIR ENTRAINMENT, SLUMP, DENSITY, AND COMPRESSIVE STRENGTH AS FOLLOWS:
- 1. SAMPLE FRESH CONCRETE IN ACCORDANCE WITH ASTM C172. MOLD TEST CYLINDERS IN ACCORDANCE WITH ASTM C31.
- 2. CAST AND LAB CURE THE FOLLOWING NUMBER OF TEST CYLINDERS FOR EACH DAY'S POUR OR EACH 50 CUBIC YARDS, WHICHEVER RESULTS IN MORE TEST CYLINDERS: – 2 FOR 7–DAY TEST
- 3 FOR 28-DAY TEST.
- 1 HELD FOR CHECKING LOW BREAK RESULTS. 3. FIELD-CURED CYLINDERS SHALL BE CAST FOR HOT AND COLD WEATHER CONCRETE PLACEMENTS (2
- FOR 7-DAY AND 2 FOR 28-DAY). COLD WEATHER CONCRETE PLACEMENTS OCCUR WHEN THE AVERAGE EXPECTED AIR TEMPERATURES FOR 3 CONSECUTIVE DAYS FOLLOWING THE PLACEMENT ARE LESS THAN 40 DEGREES, RESPECTIVELY. HOT WEATHER CONCRETE PLACEMENTS OCCUR WHEN THE AIR TEMPERATURE AT THE TIME OF PLACEMENT EXCEEDS 90 DEGREES
- 3. FOR LIGHTWEIGHT CONCRETE, TESTS SHALL BE MADE TO VERIFY THAT THE CONCRETE DENSITY
- CONFORMS TO THE RANGE OF 110-115 PCF (NOT REQUIRED FOR NORMAL WEIGHT CONCRETE). 4. MAKE ADDITIONAL TESTS OF IN-PLACE CONCRETE AT THE CONTRACTOR'S EXPENSE WHEN CYLINDER
- TEST RESULTS INDICATE SPECIFIED CONCRETE STRENGTHS HAVE NOT BEEN ATTAINED (DIRECTED BY THE A/E TEAM), OR WHEN REQUESTED BY THE CONTRACTOR FOR EARLY FORMWORK REMOVAL.
- 4. STRUCTURAL STEEL (IF NO SPECIFICATION DOCUMENT PROVIDED): A. VISUALLY INSPECT ALL FILLET WELDS, AND BOLTED CONNECTIONS.
- B. MONITOR THE INSTALLATION OF BOLTS REQUIRING PRE-TENSIONING FOR CONFORMANCE WITH SPECIFIC PRE-CALIBRATED TIGHTENING PROCEDURES.
- C. PERFORM WELDING INSPECTION AND TESTING PROCEDURES IN ACCORDANCE WITH THE AWS CODE. 1. TEST EACH FULL PENETRATION BUTT OR GROOVE WELD AND ALL PARTIAL PENETRATION WELDS, AS WELL AS ANY SUSPECT POOR QUALITY FILLET WELD PER ONE OF THE FOLLOWING PROCEDURES:
 - a. LIQUID PENETRANT INSPECTION: ASTM E 165. RESERVE THIS TEST FOR FILLET WELDS ONLY. b. MAGNETIC PARTICLE INSPECTION: ASTM E 709; PERFORMED ON ROOT PASS AND ON FINISHED WELDS. CRACKS OR ZONES OF INCOMPLETE FUSION OR PENETRATION ARE NOT ACCEPTED. c. ULTRASONIC INSPECTION: ASTM E 164.
 - d. RADIOGRAPHIC INSPECTION: ASTM E 94

PLANS REVIEWED AS PERFORMANCE **COMPLIANCE WITH IRC 2018 SECTION** R-301.1.3. AND APPLICABLE **ENGINEERING DESIGN STANDARDS.**









DRAWING:	DRAWING: GENERAL NOTES
ISSUE:	
2025-02-21	PERMIT SET

APPROVED

Montgomery County

Historic Preservation Commission

REVIEWED By Laura DiPasquale at 8:54 am, Apr 10, 2025



DESIGN LOADS AND FACTORS							DESIGN CODE: 2018 IRC AS MODIFIED JURISDICTION	BY THE	_OCAL					
LIVE LOAD DATA		ROOF LOAD DATA		DEAD LOAD D	ATA	WIND LOAD DATA	4	EARTHQUAKE DESIGN DATA		SOIL DESIGN DATA		DEFLECTIONS LIMITS FOR WOC	D FRA	<i>I</i> ING
FLOOR OR ROOF AREA	LOAD (PSF)) LOAD TYPE	VALUE (PSF)	AREA	VALUE (PSF)	PARAMETER	VALUE	PARAMETER	VALUE	PARAMETER	VALUE		LL	TL Δπ.(
TYP. FLOOR (U.N.O.)	40	GROUND SNOW LOAD (P_g)	30	FLOOR	15	ULTIMATE DESIGN WIND SPEED	115 MPH	SHORT-PERIOD MAP VALUE (S _S)	15.0% g	AT-REST PRESSURE CONDITION	65 PSF/FT	RAFTERS	L/360	L/240 0.7
EXTERIOR BALCONIES	60	NON-DRIFT SNOW	30	PARTITION	10	WIND EXPOSURE	В	SEISMIC SITE CLASS	D	ACTIVE PRESSURE CONDITION	45 PSF/FT	ROOF BEAMS	L/240	L/180 0.7
DECKS	40	DRIFTING SNOW	PER CODE	ROOF	15	IMPORTANCE FACTOR	1.0	SHORT-PERIOD DESIGN SPECTRAL	16.0% g	PASSIVE PRESSURE CONDITION	180 PSF/FT	JOIST	L/480	L/360 0.6
STAIRS	40							RESPONSE ACCELERATION (S _{DS})	10.0% g	SURCHARGE LOADS	100 PSF	FLOOR BEAMS	L/360	L/240 0.7
SLEEPING ROOMS	30							RESIDENTIAL SEISMIC DESIGN CATEGORY	A	S.O.G. COEFFICIENT OF SLIDING FRICTION	0.3	JOISTS/BEAMS-TILE OR STONE FINISH	L/600	L/480 0.
ATTICS WITH STORAGE	20					SHEAR WALL TYPE		PER R301.2.2, THE SEISMIC PROVISIONS OF THE RESIDENTIAL BUILDING		FACTORS OF SAFETY (OTM & SLIDING)	1.5	MASONRY LINTELS (OR XFER BEAMS		
ATTICS WITHOUT STORAGE	10					CS-WSP (U.N.O.)		CODE ARE NOT APPLICABLE TO DETACHED ASSIGNED TO SEISMIC DESIGN CATEGORY		TOTAL/DIFFERENTIAL SETTLEMENT	1/.5 INCH	OF EXIST MASONRY)	L/600	L/600 0.

	<u> </u>	<u>EGEND</u>	
	EXIST. CONCRETE FOOTING	<u> </u>	WOOD JOIST
	CONCRETE FOOTING	0	WOOD RAFTER
	EXIST. BRICK MASONRY	2K/2J 2J/2K	WOOD BEAM, #J INDICATES NO. OF JACK STUDS, #K INDICATES NO. OF KING STUDS
	BRICK MASONRY		WOOD HEADER
	EXIST. CONCRETE MASONRY (CMU)		STEEL BEAM
	CONCRETE MASONRY (CMU)		INDICATES EXIST. WOOD POST THRU OR DOWN
	EXIST. CONCRETE WALL	·	INDICATES EXIST. WOOD POST ABOVE
	CONCRETE WALL		INDICATES EXIST. STEEL POST THRU OR DOWN
	EXIST. WOOD BEARING WALL		INDICATES EXIST. STEEL POST UP
	WOOD BEARING WALL (2x6 @ 16" U.N.O.) WALL BELOW TO BE REMOVED	□	INDICATES WOOD POST THRU OR DOWN (APC POSTS SUPPORTING GIRDERS TO BE CONTINUOUS THROUGH FLOOR CONSTRUCTION DOWN TO THE FOUNDATION
	BEARING WALL ABOVE		LEVEL) INDICATES WOOD POST ABOVE (REFER TO NOTES FOR WOOD POST THRU OR DOWN)
<u> </u>	EXIST. WOOD JOIST	<u> </u>	INDICATES STEEL POST UP
0	EXIST. WOOD RAFTER	_	INDICATES STEEL POST THRU OR DOWN
	EXIST. WOOD BEAM	₩ ⟨¥⟩	DENOTES CONNECTION REQUIREMENTS (SEE SCHED.)
//////	EXIST. WOOD FRAMING TO BE REMOVED	(""")	INDICATES TOP OF FOOTING ELEVATION
	EXIST. STEEL BEAM	(##'-##")	INDICATES TOP OF FOOTING ELEVATION







Residence

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PROFESSIONAL CERTIFICATION. I, CHRISTOPHER A. CDBB HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. <u>43074</u> EXPIRATION DATE: <u>12/13/2026</u>

STANDARD ABBREVIATIONS

ADD'L ADDITIONAL ADJ. ADJACENT A/E DESIGN TEAM OF RECORD ALT. ALTERNATIVE APC ANTHONY POWER COLUMN APPROX. APPROXIMATE ARCH. ARCHITECTURAL/ARCHITECT B.O. BOTTOM OF BLDG. BUILDING BEAM BOT. BOTTOM BRG BEARING BSMT BASEMENT CANT. CANTILEVERED (C.E.) CONCRETE ENCASED MEMBER CFS COLD FORMED STEEL C.I. CAST IRON C.I.P. CAST IN PLACE C.J. CONTROL JOINT CLG CEILING CLR CLEAR CMU CONCRETE MASONRY UNIT COL. COLUMN CONC. CONCRETE COORD. COORDINATE CONTR. CONTRACTOR COTR. CONTRACT OFFICER'S TECHNICAL REP. CTR. CENTER D.B.A. DEFORMED BAR ANCHOR DBL DOUBLE DEMO DEMOLITION DETAIL DIAMETER DIAGONAL DIMENSION D.L. DEAD LOAD DOWN DO DITTO DWG(S) DRAWING(S) DWL DOWEL (E) EXISTING MEMBER OR DIMENSION EXIST. EXISTING EA. EACH E/ EDGE OF E.A. EACH FACE E.J. EXPANSION JOINT E.L. ELEVATION EMBED. EMBEDMENT ENGR ENGINEER E.O.R. ENGINEER OF RECORD EQ. EQUAL E.S. EACH SIDE EXT. EXTERIOR E.W. EACH WAY FNDN FOUNDATION FIN. FINISH FLR. FLOOR FRMG FRAMING F.S. FAR SIDE FTG FOOTING F.P. FIRE PROTECTION F.W. FLAT WISE GA. GAUGE GALV. GALVANIZE G.B. GRADE BEAM G-LAM GLUE LAMINATED LUMBER HORIZ. HORIZONTAL H.P. HIGH POINT HT. HEIGHT HVAC HEATING, VENTILATION & AIR CONDITIONING I.D. INSIDE DIAMETER INSIDE FACE ISOLATION JOINT INFO. INFORMATION INT. INTERIOR JT. JOINT

L.L.	LIVE LOAD	
LLH	LONG LEG HORIZONTAL	
LLV	LONG LEG VERTICAL	
LSL	LAMINATED STRAND LUMBER	
LVL	LAMINATED VENEER LUMBER	
L-W	LONG WAY	
L.P.	LOW POINT	
	LIGHT WEIGHT	
	MAXIMUM	
	MECHANICAL	
	MECHANICAL, ELECTRICAL, PL	
	F.P.	
	MANUFACTURER	
	MISCELLANEOUS	
	MASONRY OPENING	
	NEAR FACE	
	NOT IN CONTRACT	
NO.	NUMBER	
NOM.	NOMINAL	
N.S.	NEAR SIDE	
N.T.S.	NOT TO SCALE	
0.C.	ON CENTER	
0.D.	OUTSIDE DIAMETER	
	OUTSIDE FACE	
	OPENING	
	OPPOSITE	
	POWER ACTUATED FASTENER	
PC.		
	PRECAST CONCRETE	
	PERPENDICULAR	
PL.	PLATE	
PLF	POUND PER LINEAR FOOT	
PSI	POUND PER SQUARE INCH	
PSL	PARALLEL STRAND LUMBER	
P-T	POST TENSIONED	
P.T.	PRESERVATIVE TREATED	
REINF.	REINFORCED	
REQ'D	REQUIRED	
REV.	REVISION	
	ROUGH OPENING	
	SCHEDULE	
	SECTION	
	SIMILAR	
	STEP IN FOOTING	
	SLAB ON GRADE	
	SPECIFICATION	
	SQUARE	
	STAINLESS STEEL	
	STANDARD	
	STIFFENER	
STIR.	STIRRUP	
STL.	STEEL	
SQR.	SQUARE	
S-W	SHORT WAY	
SYM.	SYMMETRICAL	
T.C.	TERRA COTTA	
Т.О.	TOP OF	
T&B	TOP AND BOTTOM	
TEMP.	TEMPORARY	
T&G		
THK.	THICK(NESS)	
T.L.S.	TENSION LAP SPLICE	
TR.	TRANSFER	
TYP.	TYPICAL	
U.N.O.	UNLESS NOTED OTHERWISE	
U-P	UNDERPINNING	
	VERTICAL	
	VERIFY IN FIELD	
W/	WITH	
W.A.	WORK POINT	
W-P	WATER PROOF	
WWF	WELDED WIRE FABRIC	
#	NUMBER	
" ዊ	CENTER LINE	
Ψ Ø	DIAMETER	
ዋ	PROPERTY LINE	
		APPRO\

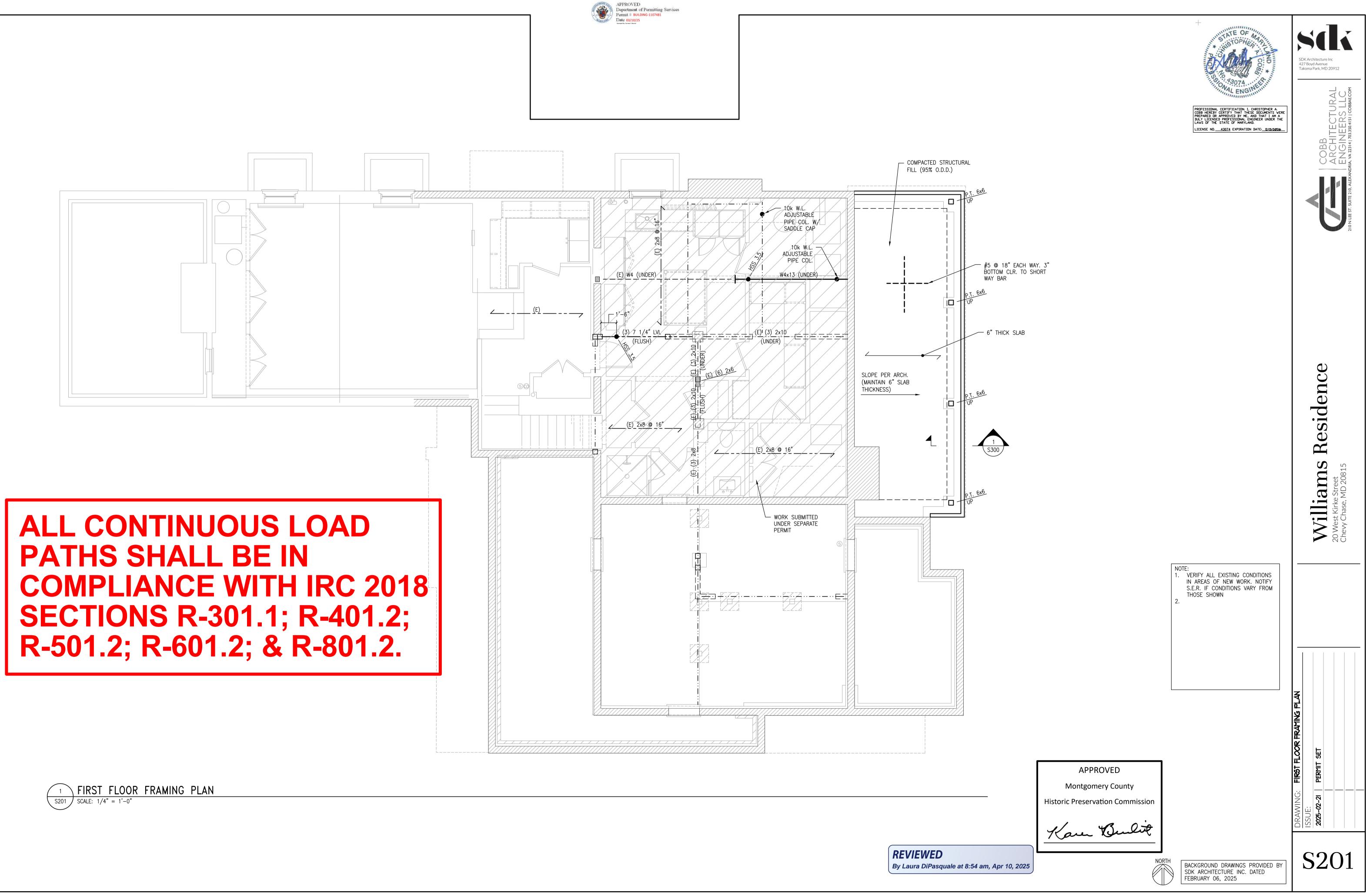
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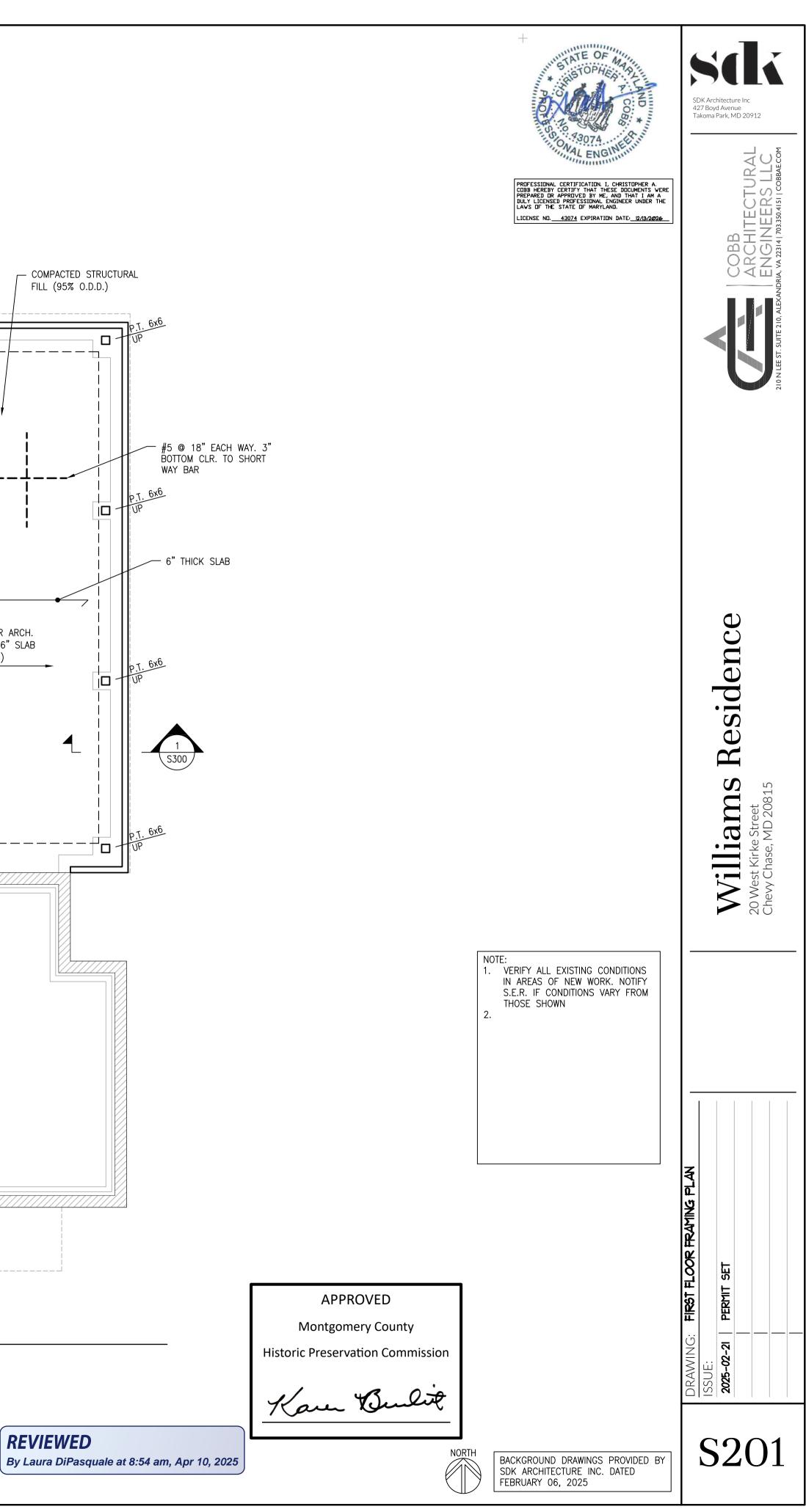
Historic Preservation Commission

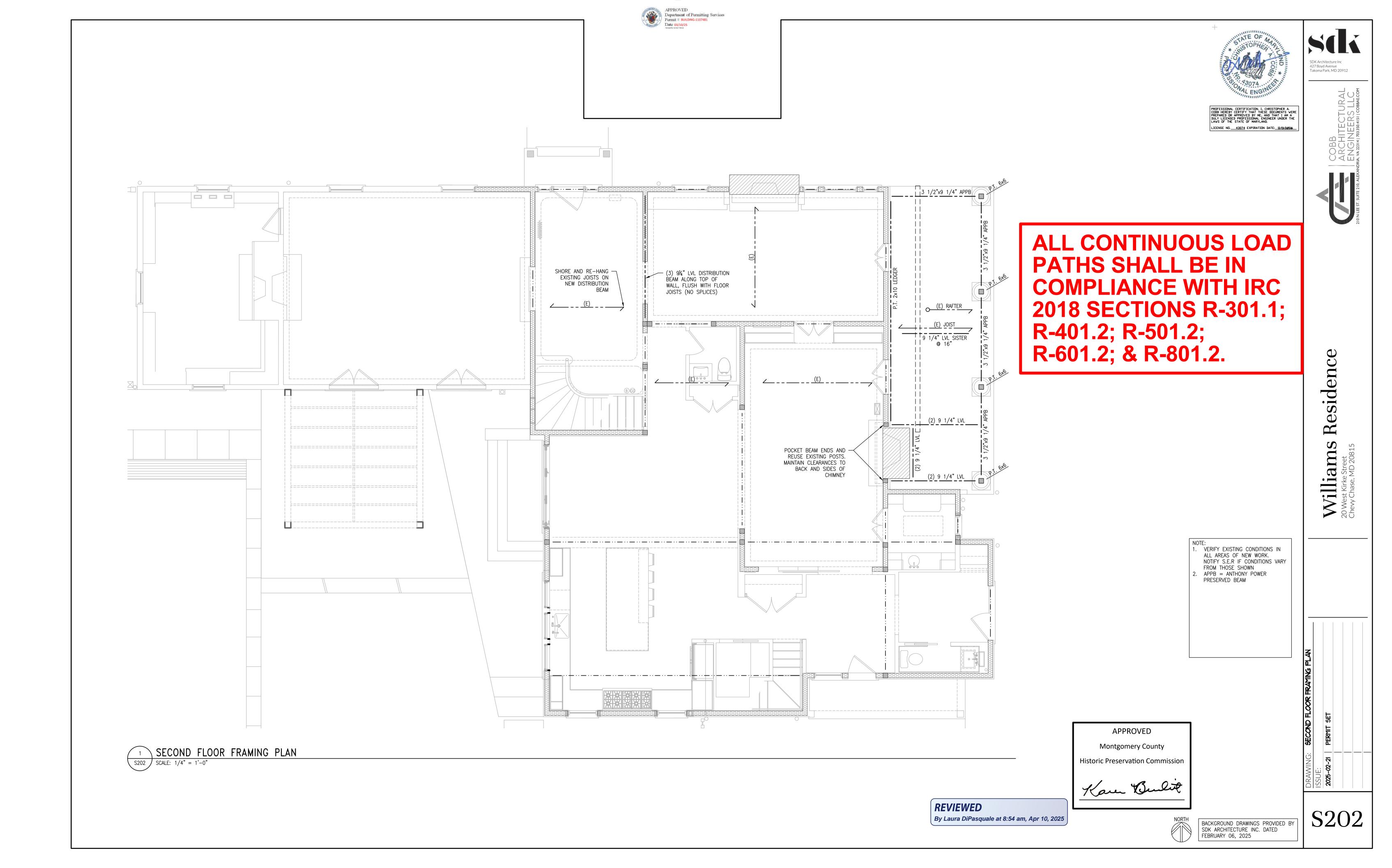
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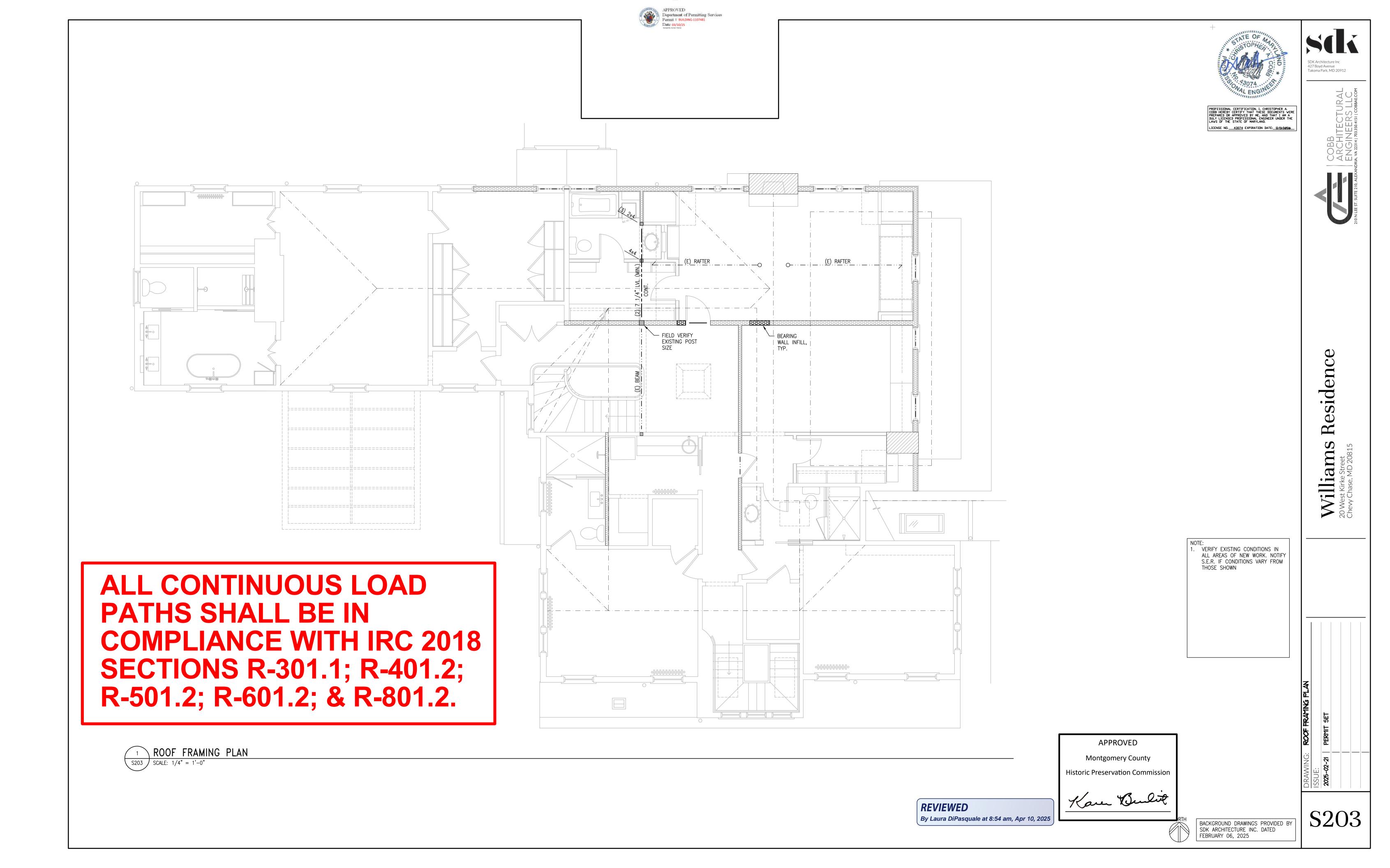
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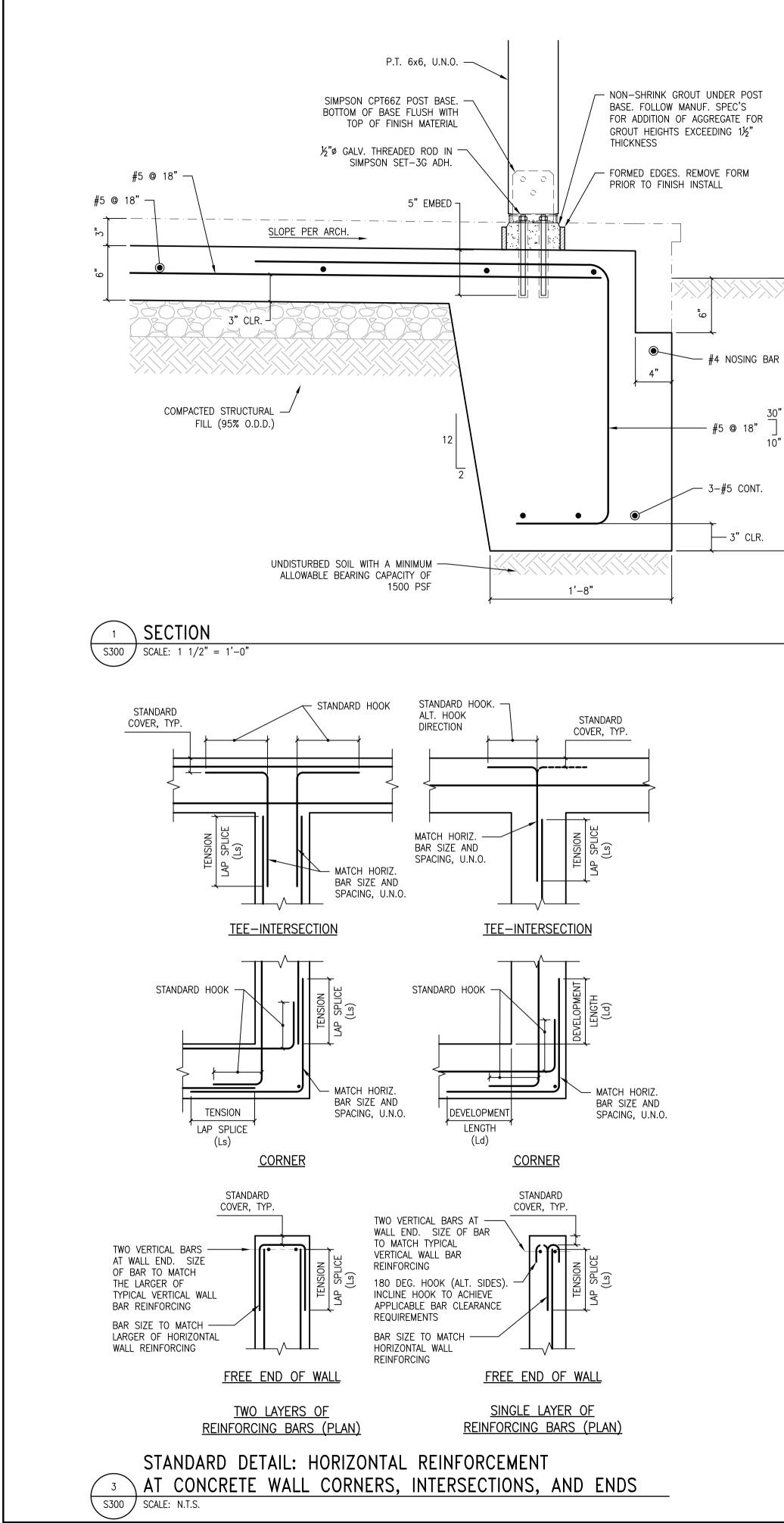


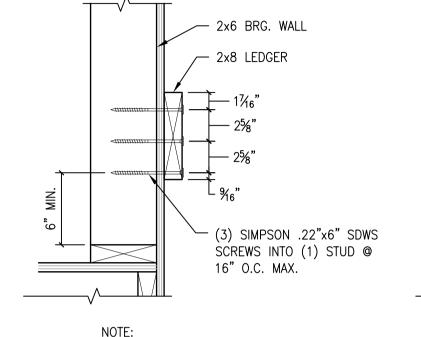






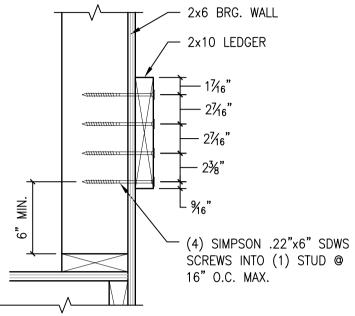






APPROVED Department of Permitting Services Permit # BUILDING-1107481

Date 03/10/25

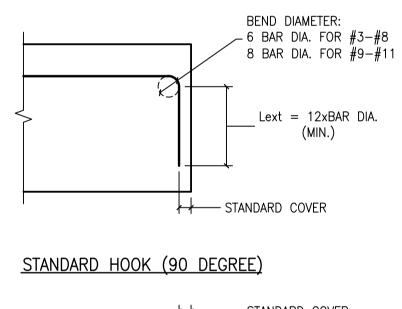


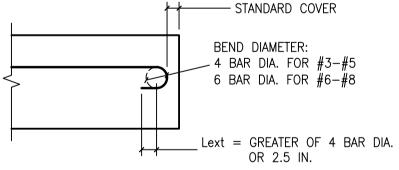
1. SCREWS SHALL BE CENTERED ON WIDTH OF STUD

- 2. STUD WIDTH SHALL NOT BE LESS THAN $1\frac{1}{2}$ "
- 3. WHERE SCREWS ARE LOCATED WITHIN THE END 6" OF THE LEDGER, PREDRILL HOLE WITH $\frac{5}{22}$ " BIT 4. WHERE 2x10 SOUTHERN PINE LEDGERS ARE SPECIFIED, ONLY INSTALL TOP (3) SCREWS



DEF	ORME	D BA	R TE	NSION	I DEV	'ELOP	MENT	LEN	GTH	(Ld)
	3000) PSI	3500) PSI	4000) PSI	4500) PSI	5000) PSI
BAR SIZE	CASE I	CASE II								
#3	17	25	16	23	15	22	14	21	13	20
#4	22	33	21	30	19	29	18	27	17	26
#5	28	42	26	38	24	36	23	34	22	32
#6	33	50	31	46	29	43	27	41	26	39
#7	48	72	45	67	42	63	40	59	38	56
#8	55	83	51	77	48	72	45	68	43	64
#9	62	93	58	86	54	81	51	76	48	72
#10	70	105	65	97	61	91	57	86	54	81
#11	78	116	72	108	67	101	64	95	60	90





STANDARD HOOK (180 DEGREE)

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BAR SIZE	CASE I	CASE II								
# 3	23	33	21	30	20	29	19	28	17	26
#4	29	43	28	40	25	38	24	36	23	34
# 5	37	55	34	50	32	47	30	45	29	42
#6	43	65	41	60	38	56	36	54	34	51
# 7	63	94	59	88	55	82	52	77	50	73
#8	72	108	67	101	63	94	59	89	56	84
# 9	81	121	76	112	71	106	67	99	63	94
# 10	91	137	85	127	80	119	75	112	71	106
#11	102	151	94	141	88	132	84	124	78	117

<u>NOTES</u>

1. VALUES PROVIDED IN THE TENSION DEVELOPMENT LENGTH AND TENSION LAP SPLICE TABLES CORRESPOND TO NORMAL WEIGHT CONCRETE AND UNCOATED BARS. TABLES ARE NOT APPLICABLE FOR HOOKED BARS, HEADED BARS, OR MECHANICALLY ANCHORED BARS.

THE FOLLOWING CASES SHALL BE CONSIDERED IN THE DETERMINATION OF REQUIRED DEVELOPMENT LENGTH AND TENSION LAP SPLICES: – CASE I:

- CLEAR SPACING AND CLEAR COVER OF BARS OR WIRES BEING DEVELOPED OR LAP SPLICED IS NOT LESS THAN THE BAR DIAMETER, AND STIRRUPS OR TIES THROUGHOUT Ld NOT LESS THAN CODE MINIMUM; OR

- CLEAR SPACING OF BARS OR WIRES BEING DEVELOPED OR LAP SLICED NOT LESS THAN 2x BAR DIAMETER, AND CLEAR COVER NOT LESS THAN THE BAR DIAMETER. - CASE II: ALL OTHER CONDITIONS 4. FOR LIGHTWEIGHT CONCRETE, MULTIPLY TABLE VALUES BY 1.33.

5. FOR EPOXY COATED BARS WITH: - CLEAR COVER LESS THAN 3 BAR DIAMETER OR CLEAR SPACING LESS THAN 6 BAR DIAMETER, MULTIPLY TABLE VALUES BY 1.5.

- ALL OTHER CONDITIONS, MULTIPLY TABLE VALUES BY 1.2. 6. IF MORE THAN 12 IN. OF FRESH CONCRETE IS PLACED BELOW HORIZONTAL REINFORCEMENT, MULTIPLY TABLE VALUES BY 1.3. THIS CONDITION INCLUDES, BUT IS NOT LIMITED TO, TOP BARS IN SLABS, FOOTINGS AND BEAMS THAT ARE GREATER THAN 13" THICK, AND ALL HORIZONTAL WALL REINFORCING.

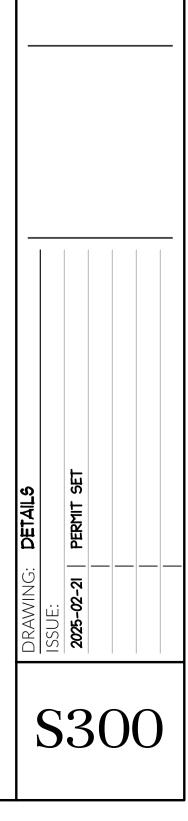
STANDARD DETAIL: TENSION DEVELOPMENT LENGTH AND SPLICING OF STEEL REINFORCING IN CONCRETE

4 S300 / SCALE: N.T.S.

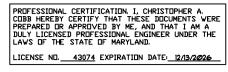








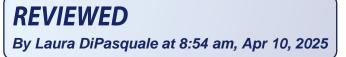




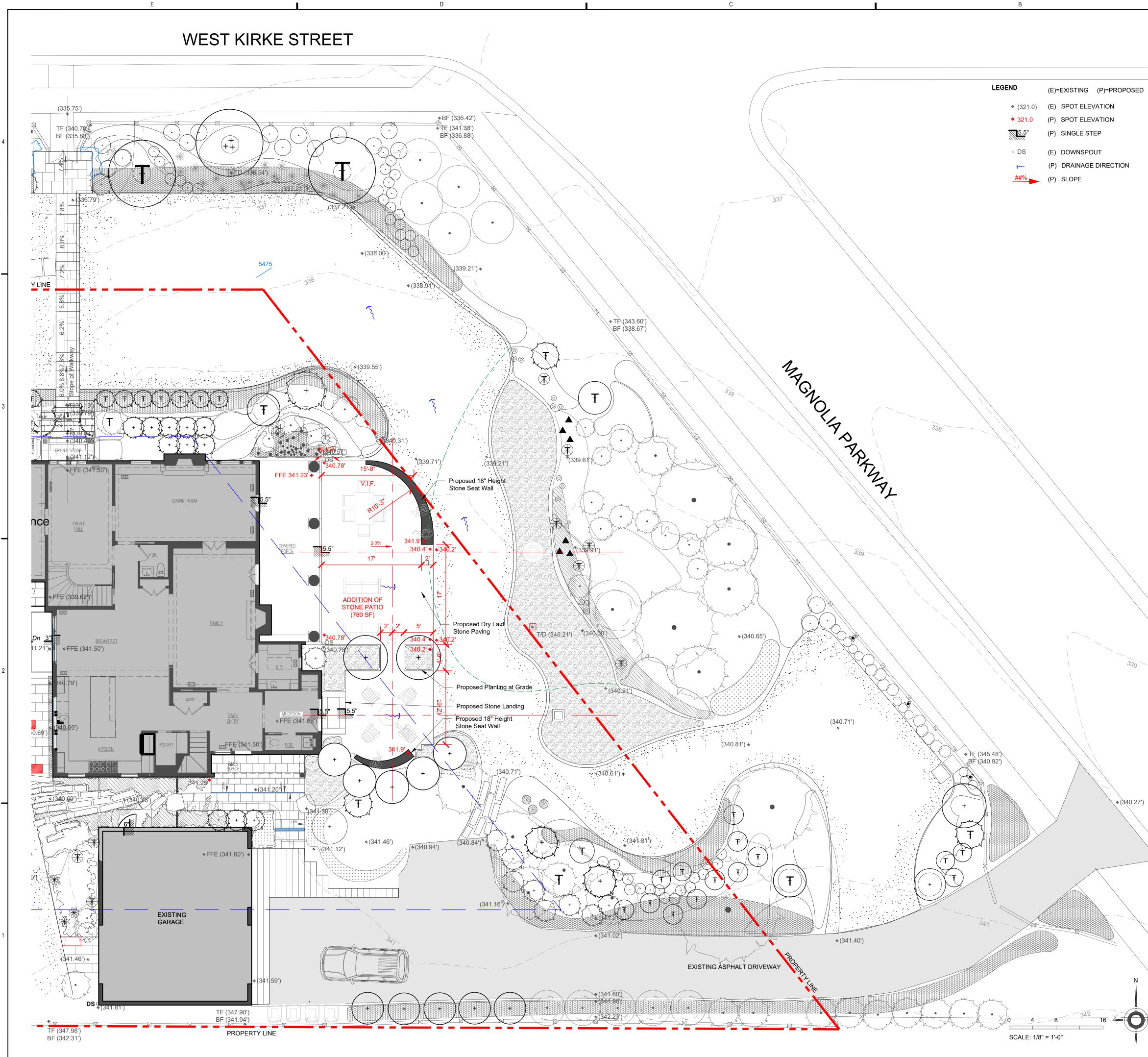
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PRECEDENT IMAGE: STONE SEAT WALL





PRECEDENT IMAGES: STONE PAVING

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Project Name / Client

WILLIAMS MOORE

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Client Emergency Contact Number: (111) 111-1111

Landscape Architect



C 2024 Moody Graham Landscape Architecture

Project Team

Architect s d k sdk architecture inc 310 467 5907 www.sdk-arch.com

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