HISTORIC PRESERVATION COMMISSION

Marc Elrich
County Executive

Karen Burditt
Chair

Date: 8/27/2025

MEMORANDUM

TO: Rabbiah Sabbakhan
Department of Permitting Services

FROM: Dan Bruechert
Historic Preservation Section
Maryland-National Capital Park & Planning Commission

SUBJECT: Historic Area Work Permit # 1121582 - Partial Demolition and Building Addition, Fenestration Alteration, and Garage Construction

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The Montgomery County Historic Preservation Commission (HPC) has reviewed the attached applications for a Historic Area Work Permit (HAWP). This application was **approved** at the August 13, 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: KAB Holding, LLC
Address: 7329 Baltimore Ave., Takoma Park

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 Dan Bruechert at 301-563-3400 or dan.bruechert@montgomeryplanning.org to schedule a follow-up site visit.

FOR STAFF ONLY:
HAWP#_____
DATE ASSIGNED_____

APPLICATION FOR HISTORIC AREA WORK PERMIT

HISTORIC PRESERVATION COMMISSION
301.563.3400

APPLICANT:

Name: USA Sect. of Housing and Urban Development E-mail: _____

Address: 14002 E 21st Street STE 300 City: Tulsa OK Zip: 74134

Daytime Phone: _____ Tax Account No.: _____

AGENT/CONTACT (if applicable):

Name: Saul Architects E-mail: info@saularchitects.co

Address: 8114 Carroll Avenue City: Takoma Park Zip: _____

Daytime Phone: _____ r Registration No.: _____

LOCATION OF BUILDIN _____

Is the Property Located Name_____

al Site Name_____

Is there an Historic Pres nent on the Property? If YES, include a map of the easement, a der supporting this application.

APPROVED

Montgomery County

Historic Preservation Commission

Karen Burdette

REVIEWED
By Dan Bruechert at 2:28 pm, Aug 27, 2025

ng and/ Required as part of this Application? (Conditional Use Variance Record Plat, etc.)? If YES, include information on these reviews as supplemental information.

Building Number: 7329 Street: Baltimore Avenue

Town/City: Takoma Park Nearest Cross Street: _____

Lot: _____ Block: _____ Subdivision: _____ Parcel: _____

TYPE OF WORK PROPOSED: See the checklist on Page 4 to verify that all supporting items for proposed work are submitted with this application. Incomplete Applications will not be accepted for review. Check all that apply:

- ☐ New Construction
- ☐ Addition
- ☐ Demolition
- ☐ Grading/Excavation
- ☐ Deck/Porch
- ☐ Fence
- ☐ Hardscape/Landscape
- ☐ Roof
- ☐ Shed/Garage/Accessory Structure
- ☐ Solar
- ☐ Tree removal/planting
- ☐ Window/Door
- ☐ Other:_____

I hereby certify that I have the authority to make the foregoing application, that the application is correct and accurate and that the construction will comply with plans reviewed and approved by all necessary agencies and hereby acknowledge and accept this to be a condition for the issuance of this permit.

_____ _____

Signature of owner or authorized agent Date

MUNICIPAL STAMPS

BROWN RESIDENCE

ADDITION AND RENOVATION

7329 BALTIMORE AVENUE | TAKOMA PARK, MD 20912

PROJECT TEAM

OWNERS:
KEVIN BROWN
7329 BALTIMORE AVENUE
TAKOMA PARK, MD 20912
(202) 744-3574

ARCHITECT:
ERIC C. SAUL, RA
SAUL ARCHITECTS
8114 CARROLL AVENUE
TAKOMA PARK, MD 20912
(301) 270-0395

APPROVED
Montgomery County
Historic Preservation Commission

REVIEWED
By Dan Bruechert at 2:07 pm, Aug 27, 2025

SHEET INDEX

ARCHITECTURAL

GRAPHIC SYMBOLS

- SECTION CALLOUT / SHEET NUMBER
- DETAIL CALLOUT / SHEET NUMBER
- ELEVATION CALLOUT / SHEET NUMBER
- DETAIL NUMBER / SHEET NUMBER
- INTERIOR ELEVATION / SHEET NUMBER
- SPOT ELEVATION
- WINDOW IDENTIFIER
- DOOR IDENTIFIER
- FLOOR HEIGHT IDENTIFIER
- KEYNOTE
- REVISION INDICATOR

CODE ANALYSIS

SCOPE OF WORK:

ADDITION AND RENOVATION OF AN EXISTING SINGLE FAMILY HOUSE. NEW SECOND FLOOR ADDITION BUILT OVER THE FOOTPRINT OF THE EXISTING HOUSE TO CREATE A 3 BEDROOM/2 BATH LAYOUT. ALSO PROPOSED IS A NEW REAR 2-STORY ADDITON BUILT ON PIERS TO CREATE A SCREENED PORCH AND SUNROOM ON THE FIRST FLOOR AND MASTER BEDROOM SUITE ON THE 2ND FLOOR. A NEW REAR DECK AND FRONT PORCH IS ALSO PROPOSED.

LOT:	10B
BLOCK:	78
SUBDIVISION:	0025
CODE:	IRC 2021
ZONE:	R-60
CONSTRUCTION TYPE:	5B
NO. OF STORIES:	2 PLUS BASEMENT
SPRINKLERED:	NO

DESIGN CRITERIA:

GROUND SNOW LOAD	30 PSF
WIND SPEED	115 MPH
SEISMIC DESIGN CATEGORY	B
WEATHERING	SEVERE
FROST DEPTH LINE	30 IN.
TERMITE	MODERATE TO HEAVY
DECAY	SLIGHT TO MODERATE
WINTER DESIGN TEMP.	13° F
ICE SHIELD UNDERLAYMENT REQ'D	YES
FLOOD HAZARDS	JULY 2, 1979
AIR FREEZING INDEX	300
MEAN ANNUAL TEMP.	55° F

ALLOWED HEIGHT: 2 1/2 STORIES; 30'-0" MEAN HEIGHT
PROPOSED HEIGHT: 25'-5 1/4"

SETBACKS:

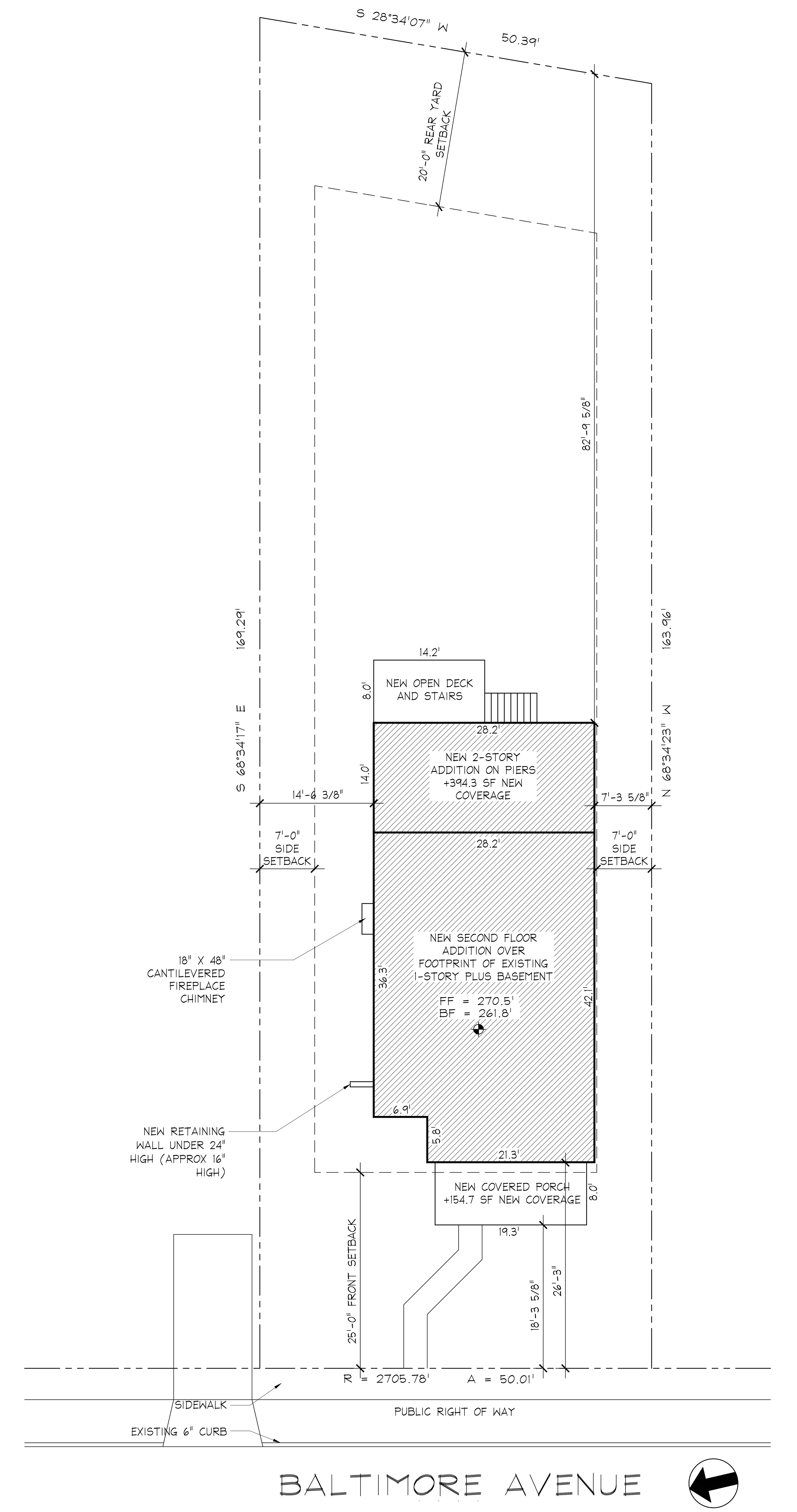
FRONT YARD	25'-0"
SIDE YARD	7'-0" (LOT RECORDED BEFORE 1954)
REAR YARD	20'-0"

LOT AREA CALCULATIONS:

LOT SIZE	8,329.0 SQ. FT. (100.0%)
MAX INFILL LOT COVERAGE 30 - (2,329.0 SF X .001) = 27.67% OR 2,304.6 SQ. FT.	
EXISTING COVERAGE	1,145.8 SQ. FT. (13.8%)
PROPOSED COVERAGE	1,694.8 SQ. FT. (20.3%)
INCREASED COVERAGE	549.0 SQ. FT. (6.5%)
ADDITIONAL LOT COVERAGE	**549 SQ. FT.**

FLOOR LIVING AREA CALCULATIONS:

EXISTING FLOOR AREA	
BASEMENT	1,145.8 SQ. FT.
FIRST FLOOR	1,145.8 SQ. FT.
TOTAL EXISTING	2,291.6 SQ. FT.
PROPOSED FLOOR AREA	
BASEMENT	1,145.8 SQ. FT.
FIRST FLOOR	1,341.8 SQ. FT.
SECOND FLOOR	1,694.8 SQ. FT.
TOTAL PROPOSED	4,182.4 SQ. FT.
INCREASE	1,890.8 SQ. FT. (82.5%)
SCREENED PORCH ADDITION	197.9 SQ. FT.
FRONT PORCH ADDITION	154.7 SQ. FT.
TOTAL ADDITION	**2,243.4 SQ. FT.**
REMODELED FLOOR AREA	
BASEMENT	1001 SQ. FT.
FIRST FLOOR	1057 SQ. FT.
TOTAL RENOVATION	**2,058 SQ. FT.**



1 CS SITE PLAN
1" = 10'-0"

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P. 3012700395
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REVISIONS

BALTIMORE AVENUE
ADDITION AND RENOVATION
7329 BALTIMORE AVENUE | TAKOMA PARK, MD 20912

PROFESSIONAL CERTIFICATION:
I, ERIC SAUL, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 14248, EXPIRATION DATE JUNE 30, 2027

PROJECT NUMBER: 25010

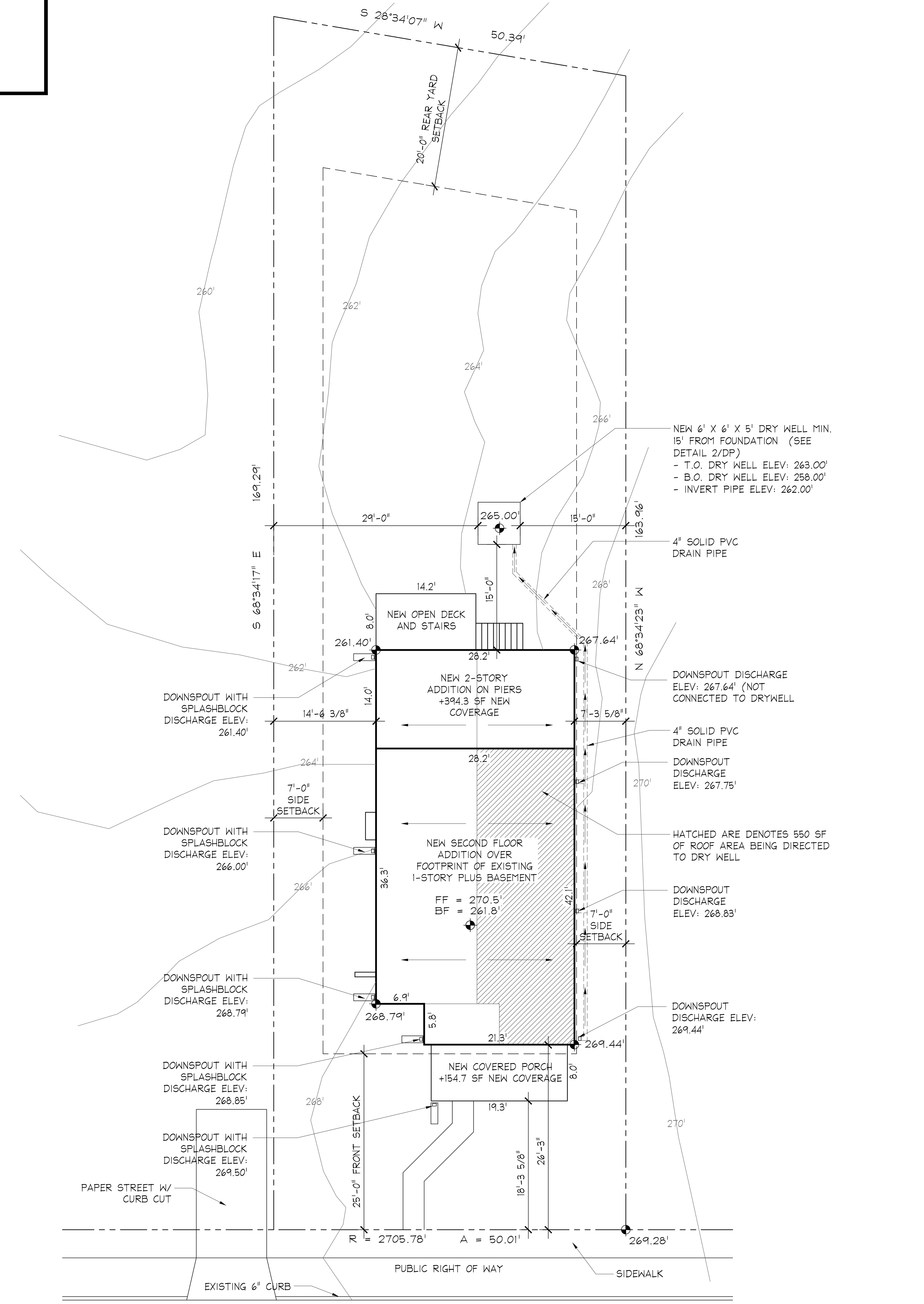
PRINTING LOG

DATE	PURPOSE
02.20.25	PRE-DESIGN
06.18.25	HAWP SUBMITTAL

ZONING AND CODE ANALYSIS

CS

MUNICIPAL STAMPS



DESCRIPTION OF WORK:

PROPOSED IS A DRY WELL IN THE REAR YARD. THE TOTAL NEW ROOF AREA IS 549 SQUARE FEET. DUE TO THE SIDEWAYS SLOPE OF THE PROPERTY AND THE PLACEMENT OF THE DRYWELL IN THE MIDDLE OF THE YARD, 556 SQUARE FEET OF THE EXISTING ROOF WILL BE DIRECTED TO THE NEW DRY WELL.

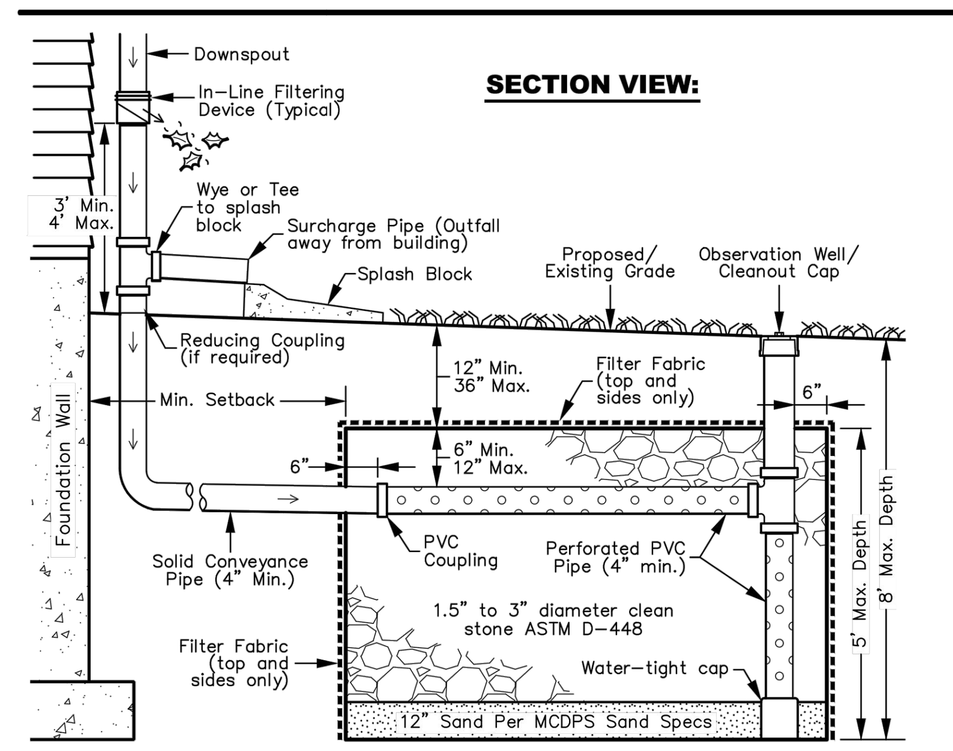
LOT SIZE	8,329.0 SQ. FT.
NEW 2 STORY ADDITION NEW FRONT PORCH	394.3 SQ. FT. 154.7 SQ. FT.
TOTAL ADDITIONAL LOT COVERAGE	549.0 SQ. FT.
TOTAL DOWNSPOUT ROOF COVERAGE	556 SQ. FT.
MIN. DRY WELL STORAGE	556/12 X 1.5 = 69.5 CF
PROPOSED DRY WELL SIZE	(6' X 6' X 5') X 0.4 = 72 CF

1/DP DRAINAGE PLAN
1" = 10'-0"

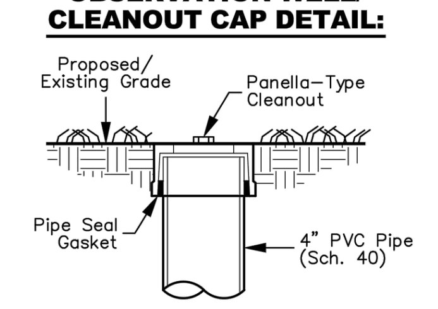
GENERAL NOTES:

1. Dry wells may receive water from roof downspouts only.
2. Length, width, and depth of each dry well is to be as specified by the design engineer on the approved plan.
3. Manufactured sand is not acceptable. Refer to the MCDPS Sand Specifications.
4. With the inspector's approval, dry well locations may be field adjusted for site conditions. All adjustments must meet the minimum setbacks.
5. Impermeable liners may be used when specified by the design engineer and shown on the plan.
6. Overflow pipes may be used when specified by the design engineer and shown on the plan. They shall be set at a minimum 2% slope. If the outfall is to daylight the outfall invert shall be shown.
7. Pop-up emitters may be used when specified by the design engineer and shown on the plan.

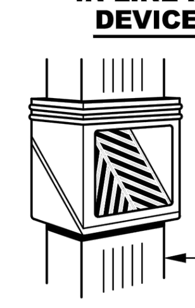
SECTION VIEW:



OBSERVATION WELL/ CLEANOUT CAP DETAIL:



IN-LINE FILTERING DEVICE DETAIL:



- Open/Doorless
- Filterless
- In-Line
- Angled Screen
- 3' - 4' from ground

LAYOUT GUIDANCE:

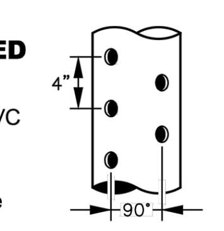
- Downspouts shall be shown on the plan view.
- Conveyance pipe(s) from the downspout(s) to the dry well shall be shown on the plan view, including connections from other downspouts. Standard, readily-available bends shall be used at couplings.
- When possible there should be only one conveyance pipe entering the dry well. It should be centered and should enter at 90 degrees.
- The interior 6" PVC perforated pipe shall be designed and shown on the plan to maximize distribution within the dry well.
- When a dry well's length is greater than its width, consider locating the perforated pipe along the longest dimension.
- The observation well with cleanout cap shall be shown on the plan view.

MINIMUM SETBACKS:

- 5 feet from property lines, Zero from R/W
- 10 feet from slab-on-grade buildings/pools
- 15 feet from buried foundations
- 15 feet from another dry well
- 30 feet from septic trench or tank
- 100 feet from primary well location or open loop geothermal well
- 50 feet from alternate well location or closed loop geothermal well
- So as to avoid basement seepage
- In accordance with other county requirements

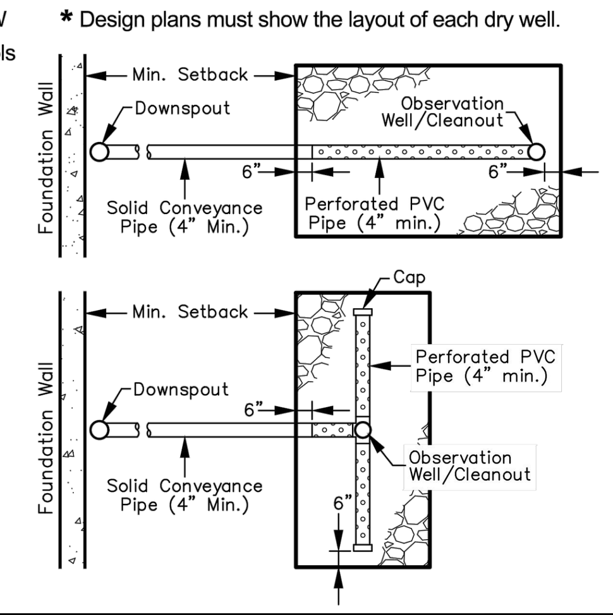
PERFORATED PVC PIPE:

- Schedule 40 PVC
- 3/8 Inch holes
- 4" on center
- 90° around pipe



EXAMPLE LAYOUTS* - PLAN VIEW:

* Design plans must show the layout of each dry well.



MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES
WATER RESOURCES SECTION

DRY WELL FOR ROOF RUNOFF DETAIL

DATE: SEPTEMBER 2021
SCALE: NONE

Linda Kobylski, Land Development Division Chief — September 1, 2021

APPROVED
Montgomery County
Historic Preservation Commission
Karen Burditt

REVIEWED
By Dan Bruechert at 2:07 pm, Aug 27, 2025

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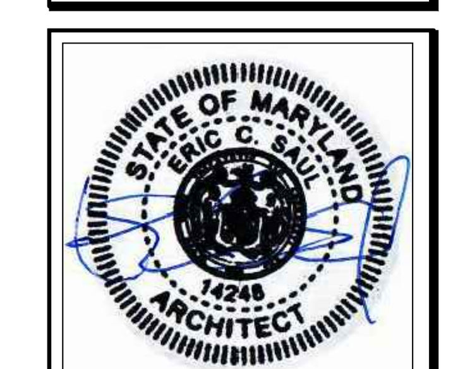

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PROJECT NUMBER: 25010

PRINTING LOG

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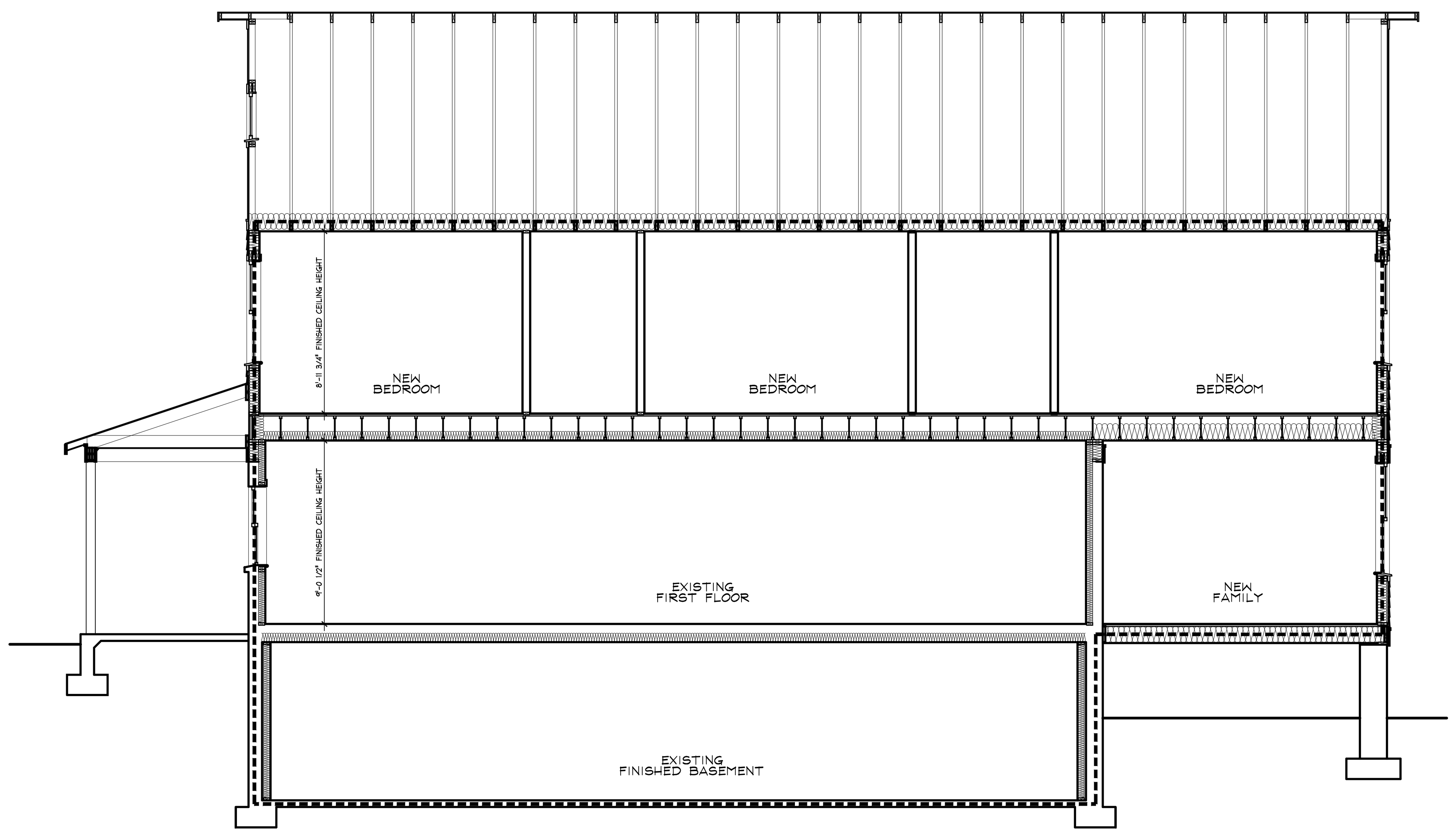
02.20.25	PRE-DESIGN
06.18.25	HAWP SUBMITTAL

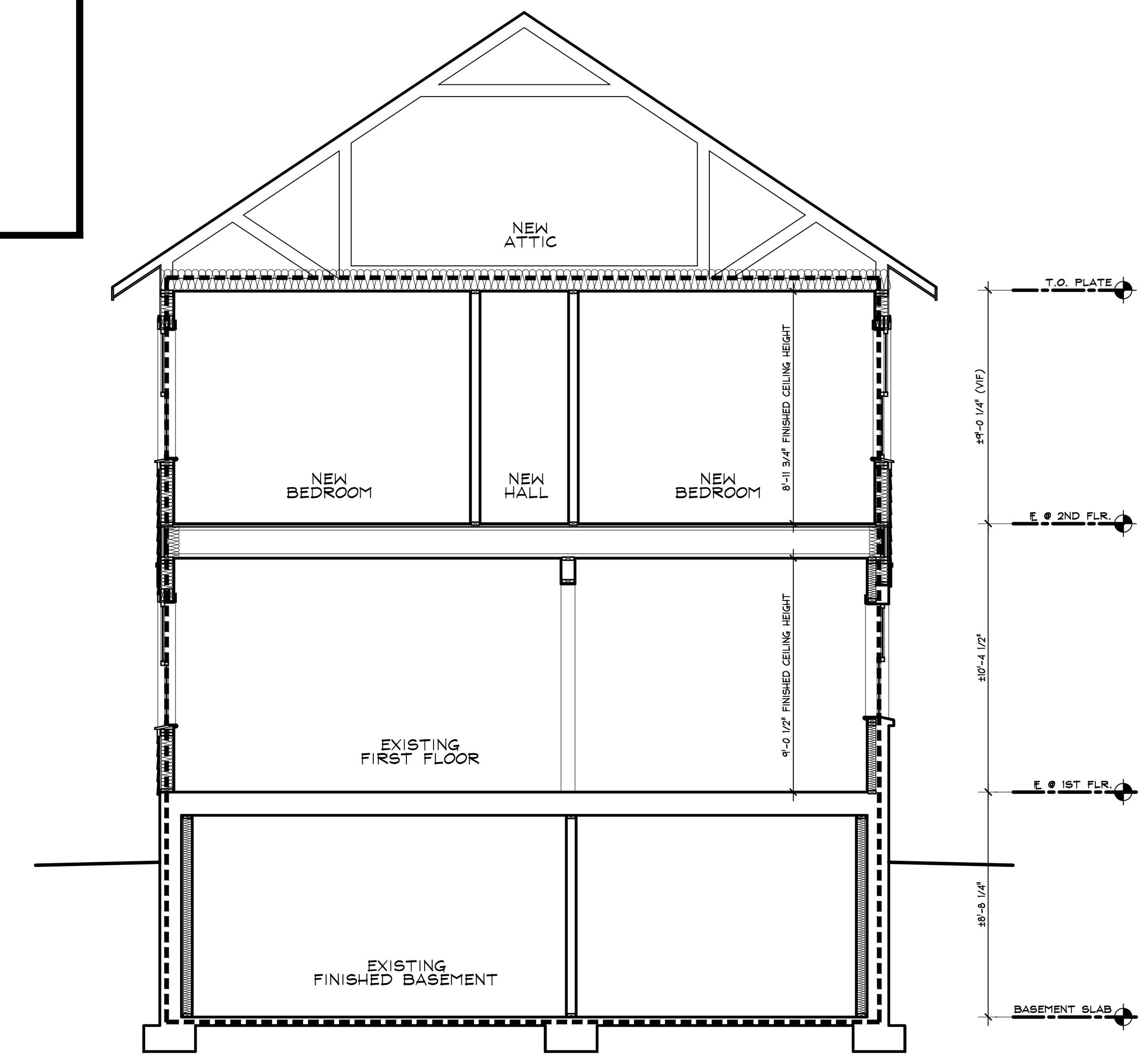
DRAINAGE PLAN

DP



5 LONGITUDINAL BUILDING ENVELOPE SECTION
EE1 3/16" = 1'-0"

MUNICIPAL STAMPS



4 BUILDING CROSS SECTION
EE1 3/16" = 1'-0"

AIR LEAKAGE:

PER IRC: 402.4.2

BUILDING THERMAL ENVELOPE. THE BUILDING THERMAL ENVELOPE SHALL BE DURABLY SEALED TO LIMIT INFILTRATION. THE SEALING METHODS BETWEEN DISSIMILAR MATERIALS SHALL ALLOW FOR DIFFERENTIAL EXPANSION AND CONTRACTION. THE FOLLOWING SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED, OR OTHERWISE SEALED WITH AN AIR BARRIER MATERIAL, SUITABLE FILM OR SOLID MATERIAL:

1. ALL JOINTS, SEAMS AND PENETRATIONS
2. SITE-BUILT WINDOWS, DOORS AND SKYLIGHTS
3. OPENINGS BETWEEN WINDOW AND DOOR ASSEMBLIES AND THEIR RESPECTIVE JAMBS AND FRAMING
4. UTILITY PENETRATIONS
5. DROPPED CEILINGS OR CHASES ADJACENT TO THE THERMAL ENVELOPE
6. KNEE WALLS
7. WALLS AND CEILINGS SEPARATING A GARAGE FROM CONDITIONED SPACES
8. BEHIND TUBS AND SHOWERS ON EXTERIOR WALLS
9. COMMON WALLS BETWEEN DWELLING UNITS
10. ATTIC ACCESS OPENINGS
11. RIM JOIST JUNCTION
12. OTHER SOURCES OF INFILTRATION

M1601.4 INSTALLATION.
DUCT INSTALLATION SHALL COMPLY WITH SECTIONS M1601.4.1 THROUGH M1601.4.7

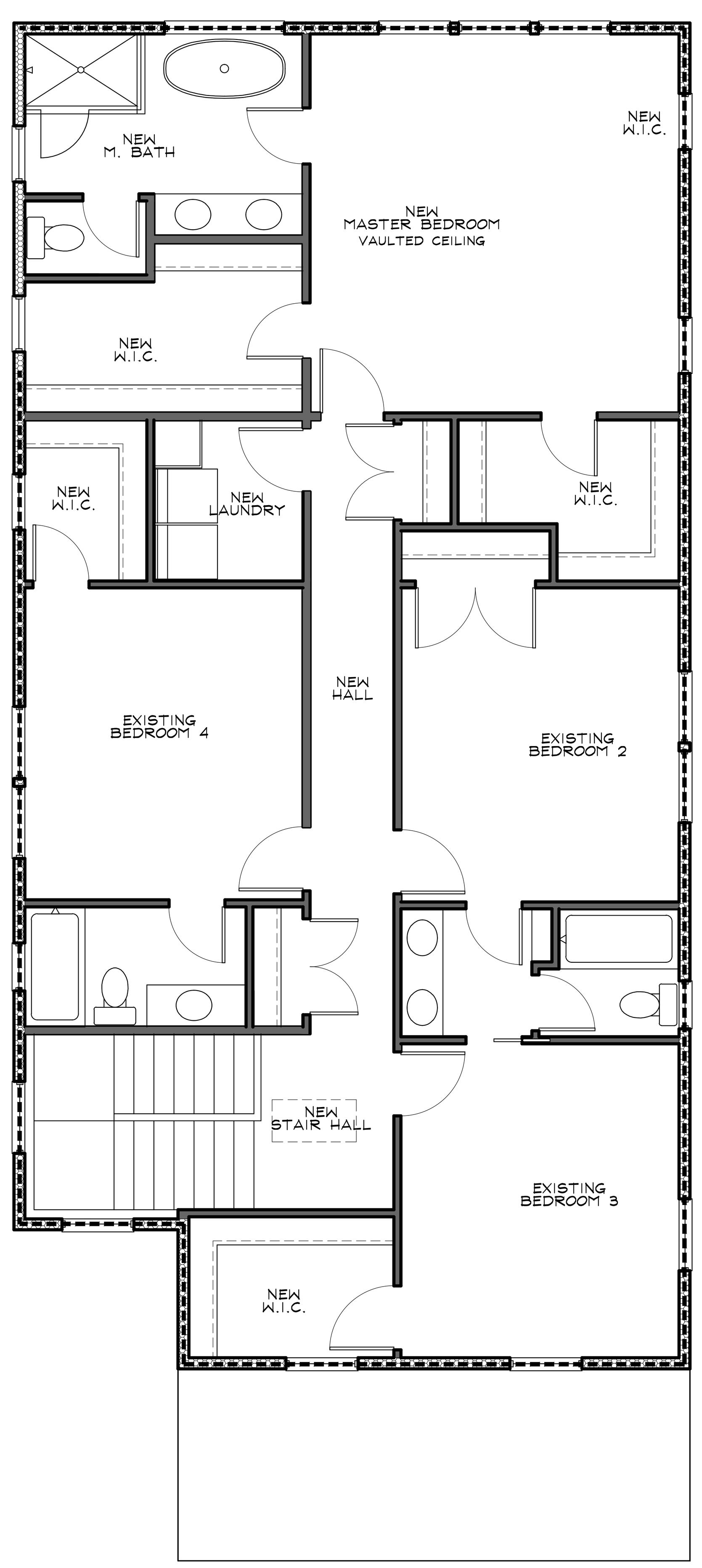
M1601.4.1 JOINTS AND SEAMS
JOINTS OF DUCT SYSTEMS SHALL BE MADE SUBSTANTIALLY AIRTIGHT BY MEANS OF TAPES, MASTICS, LIQUID SELANTS, GASKETING OR OTHER APPROVED CLOSURE SYSTEMS. CLOSURE SYTEMS USED WITH RIGID FIBROUS GLASS DUCTS SHALL COMPLY WITH UL181A AND SHALL BE MARKED 181A-P FOR PRESSURE SENSITIVE TAPE, 181A-M FOR MASTIC OR 181 A-H FOR HEAT-SENSITIVE TAPE. CLOSURE SYSTEMS USED WITH FLEXIBLE AIR DUCTS AND FLEXIBLE AIR CONECTORS SHALL COMPLY WITH UL 181B AND SHALL BE MARKED 181B-FX FOR PRESSURE-SENSITIVE TAPE OR 181B-M FOR MASTIC. DUCT CONNECTIONS TO FLANGES OF AIR DISTRIBUTION SYSTEM EQUIPMENT OR SHEET METAL FITTINGS SHALL BE MECHANICALLY FASTENED. MECHANICAL FASTENERS FOR USE WITH FLEXIBLE NONMETALLIC AIR DUCTS SHALL COMPLY WITH UL 181B AND SHALL BE MARKED 181B-C. CRIMP JOINTS FOR ROUND METAL DUCTS SHALL HAE A CONTACT LAP OF AT LEAST 1 ½ INCHES (38MM) AND SHALL BE MECHANICALLY FASTENED BY MEANS OF AT LEAST THREE SHEET-METAL SCREWS OR RIVETS EQUALLY SPACED AROUND THE JOINT. CLOSURE SYSTEMS USED TO SEAL METAL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

EXCEPTIONS:

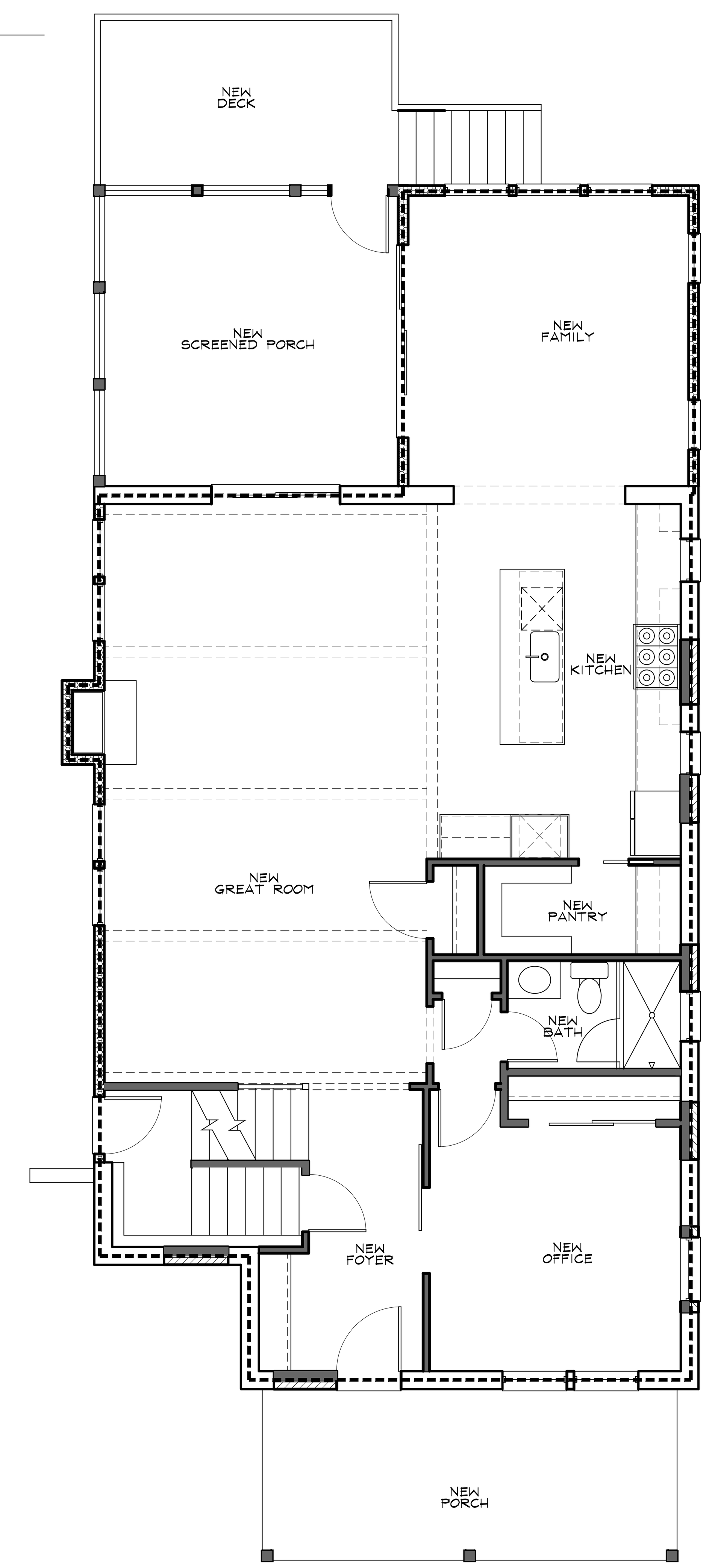
1. SPRAY POLYURETHANE FOAM SHALL BE PERMITTED TO BE APPLIED WITHOUT ADDITIONAL JOINT SEALS.

2. WHERE A DUCT CONNECTION IS MADE THAT IS PARTIALLY INACCESSIBLE, THREE SCREWS OR RIVETS SHALL BE EQUALLY SPACED ON THE EXPOSED PORTION OF THE JOINT SO AS TO PREVENT A HINGE FFECT.

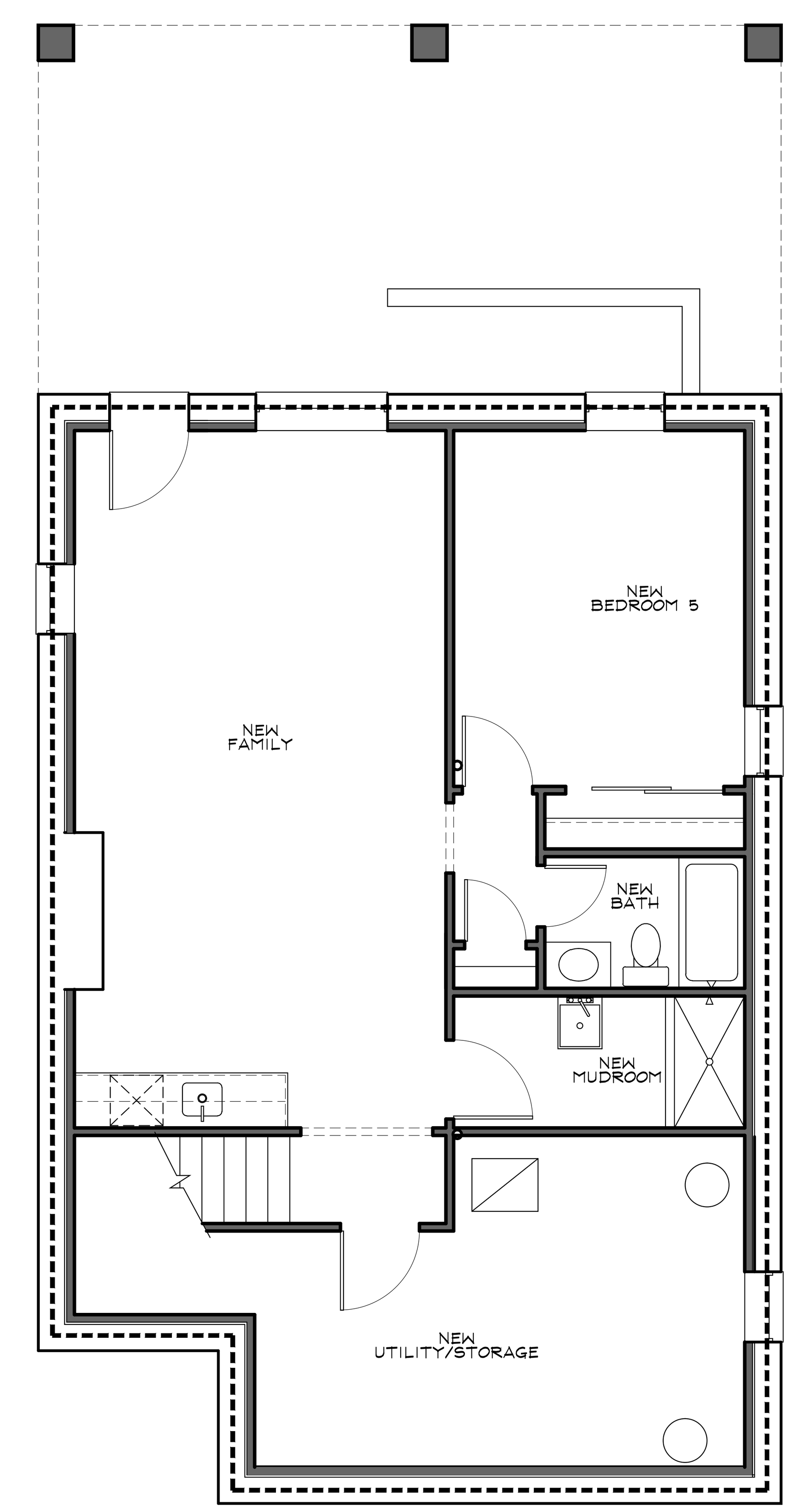
3. CONTIUOUSLY WELDED AND LOCKING TYPE LONGITUDINAL JOINTS AND SEAMS IN DUCTS OPERATING AT STATIS PRESSURES LESS THAN 2 INCHES OF WATER COLUMN (500 PA) PRESSURE CLASSIFICATION SHALL NOT REQUIRE ADDITIONAL CLOSURE SYSTEMS.



3 SECOND FLOOR ENERGY PLAN
EE1 3/16" = 1'-0"



2 FIRST FLOOR ENERGY PLAN
EE1 3/16" = 1'-0"



1 BASEMENT ENERGY PLAN
EE1 3/16" = 1'-0"

APPROVED
Montgomery County
Historic Preservation Commission

REVIEWED
By Dan Bruechert at 2:07 pm, Aug 27, 2025

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06.18.25	HAWP SUBMITTAL

ENERGY EFFICIENCY COMPLIANCE

EE1

APPROVED

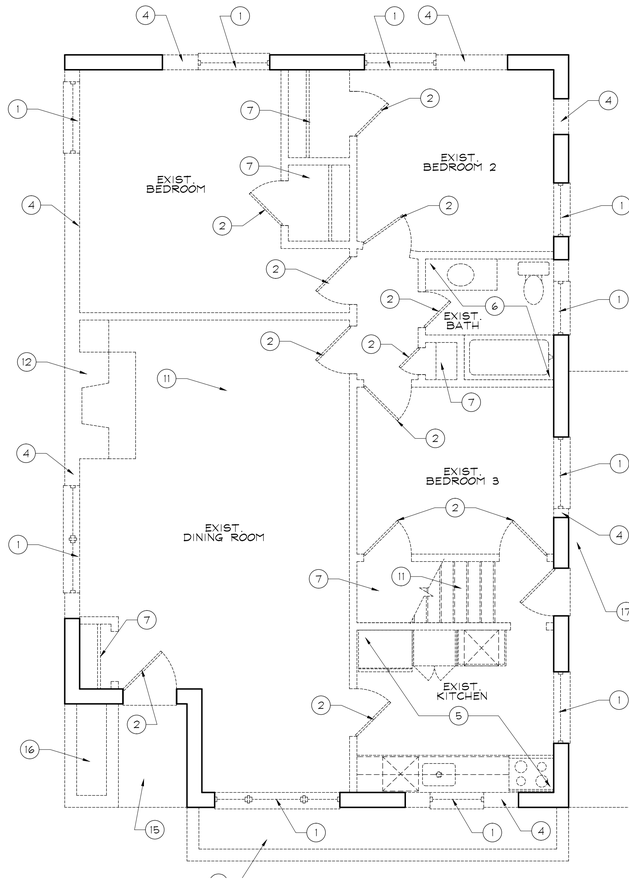
Montgomery County

Historic Preservation Commission

REVIEWED

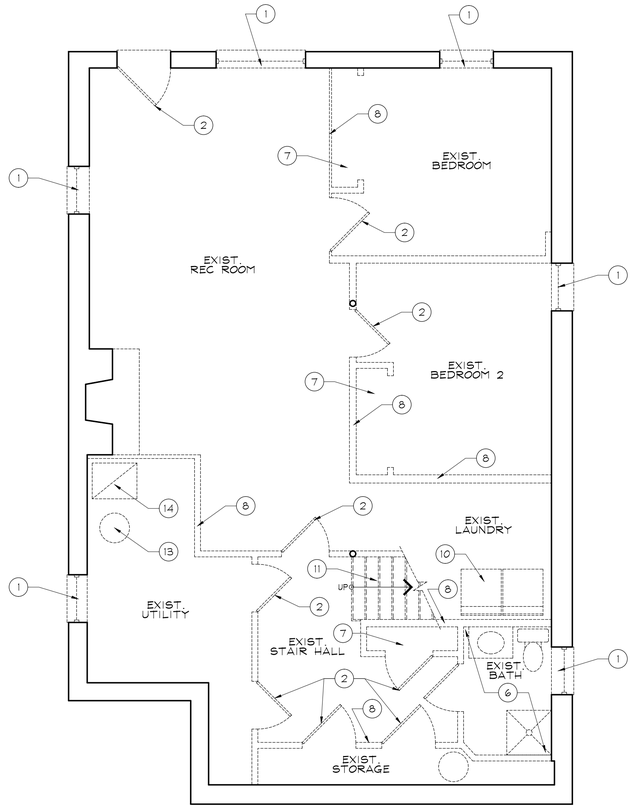
By Dan Bruechert at 2:07 pm, Aug 27, 2025

MUNICIPAL STAMPS



2 A1 EXISTING/DEMO FIRST FLOOR PLAN

1/4" = 1'-0"



1 A1 EXISTING/DEMO BASEMENT PLAN

1/4" = 1'-0"

DEMOLITION KEYNOTES:

1. EXISTING WINDOW TO BE REMOVED
2. EXISTING DOOR TO BE REMOVED
3. EXTERIOR BEARING WALL TO BE REMOVED
4. DEMO EXISTING BRICK WALL FOR NEW OPENING
5. COMPLETE DEMO OF EXISTING KITCHEN: REMOVE ALL CABINETS, PLUMBING FIXTURES, HARDWARE, FINISHES AND FLOORING. CAP ALL PLUMBING AND EXPOSE ALL MECHANICAL AND ELECTRICAL.
6. COMPLETE DEMO OF EXISTING BATHROOM: REMOVE ALL CABINETS, PLUMBING FIXTURES, HARDWARE, FINISHES AND FLOORING. CAP ALL PLUMBING AND EXPOSE ALL MECHANICAL AND ELECTRICAL.
7. EXISTING CLOSET TO BE DEMOLISHED
8. DEMO NON-LOAD BEARING WALL
9. COMPLETE DEMO OF EXISTING ROOF STRUCTURE
10. DEMO EXISTING LAUNDRY
11. DEMO EXISTING STAIRS
12. DEMO EXISTING FIREPLACE AND CHIMNEY DOWN TO LEVEL OF FIRST FLOOR
13. DEMO EXISTING WATER HEATER
14. DEMO EXISTING HVAC SYSTEM
15. DEMO EXISTING CONCRETE STOOP
16. DEMO EXISTING BRICK PLANTER
17. DEMO EXISTING COVERED PORCH

GENERAL DEMO NOTES

1. DEMOLITION DRAWINGS ARE SCHEMATIC AND ARE INCLUDED TO DESCRIBE THE DEMOLITION WORK IN A GENERAL MANNER.
2. EXISTING CONSTRUCTION SHALL REMAIN UNLESS NOTED OTHERWISE AND SHALL BE PROTECTED FROM DAMAGE DUE TO DEMOLITION, CONSTRUCTION, THEFT, VANDALISM, MOISTURE, WEATHER, ETC. ALL DISTURBED EXISTING ITEMS SHALL BE RESTORED TO ORIGINAL CONDITION.
3. SEAL OFF UNDISTURBED AREAS OF THE BUILDING FROM DEMOLITION AREAS TO PREVENT THE INFILTRATION OF DUST AND DEBRIS. SECURE BUILDING TO PREVENT UNWANTED ENTRY THROUGH OPENINGS CREATED DURING CONSTRUCTION.
4. EXISTING CONCEALED ELEMENTS WERE NOT NECESSARILY VERIFIED PRIOR TO DEMOLITION. ALL DISCOVERIES OF UNIDENTIFIED OR INCORRECTLY LOCATED EXISTING ELEMENTS SHALL BE REPORTED TO THE ARCHITECT BEFORE REMOVAL FOR FINAL DISPOSAL.
5. ALL ITEMS DESIGNATED FOR RE-USE TO BE VERIFIED BY OWNER. PROTECT ANY STORED ITEMS TO BE RE-USED FROM DAMAGE DUE TO DEMOLITION, CONSTRUCTION, THEFT, VANDALISM, MOISTURE, WEATHER, ETC.
6. ALL DEBRIS BECOMES THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES AT THE CONTRACTOR'S EXPENSE AND DISPOSED OF ACCORDING TO LOCAL CODES AND GOVERNING AUTHORITIES.

FLOOR PLAN LEGEND

- EXISTING WALL TO REMAIN
- NEW INT. 2X4 STUD WALL, U.N.O.
- NEW EXT. 2X4 STUD FURRED WALL R-13 MIN. INSULATION
- NEW EXTERIOR 2X6 STUD WALL; R-20 MIN. INSULATION
- NEW 8" CONC. MASONRY WALL
- NEW BRICK MASONRY WALL OR PIER
- EXISTING WALL TO BE REMOVED
- EXISTING ITEM TO BE REMOVED
- 8'-0" CEILING HEIGHT INDICATOR

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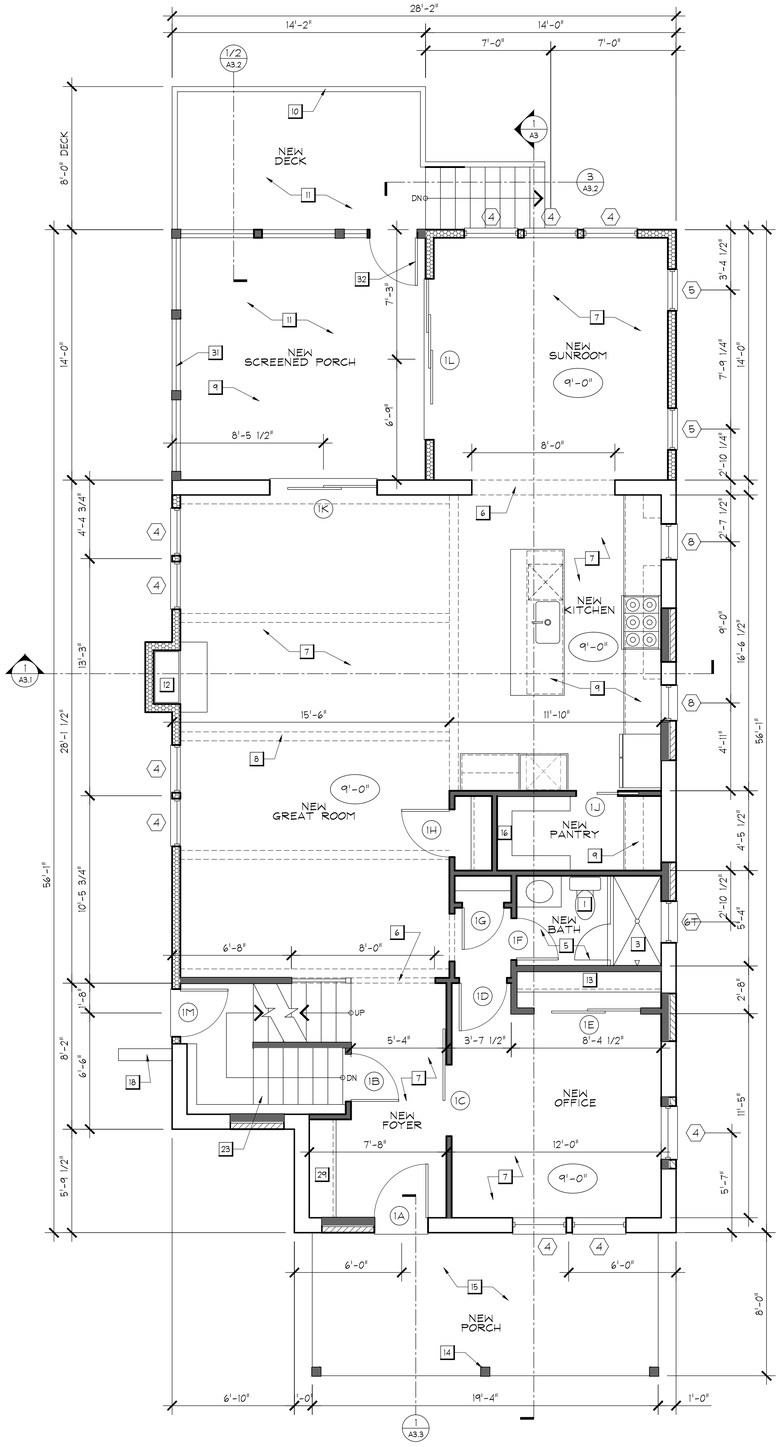
EXISTING/DEMO FLOOR PLANS

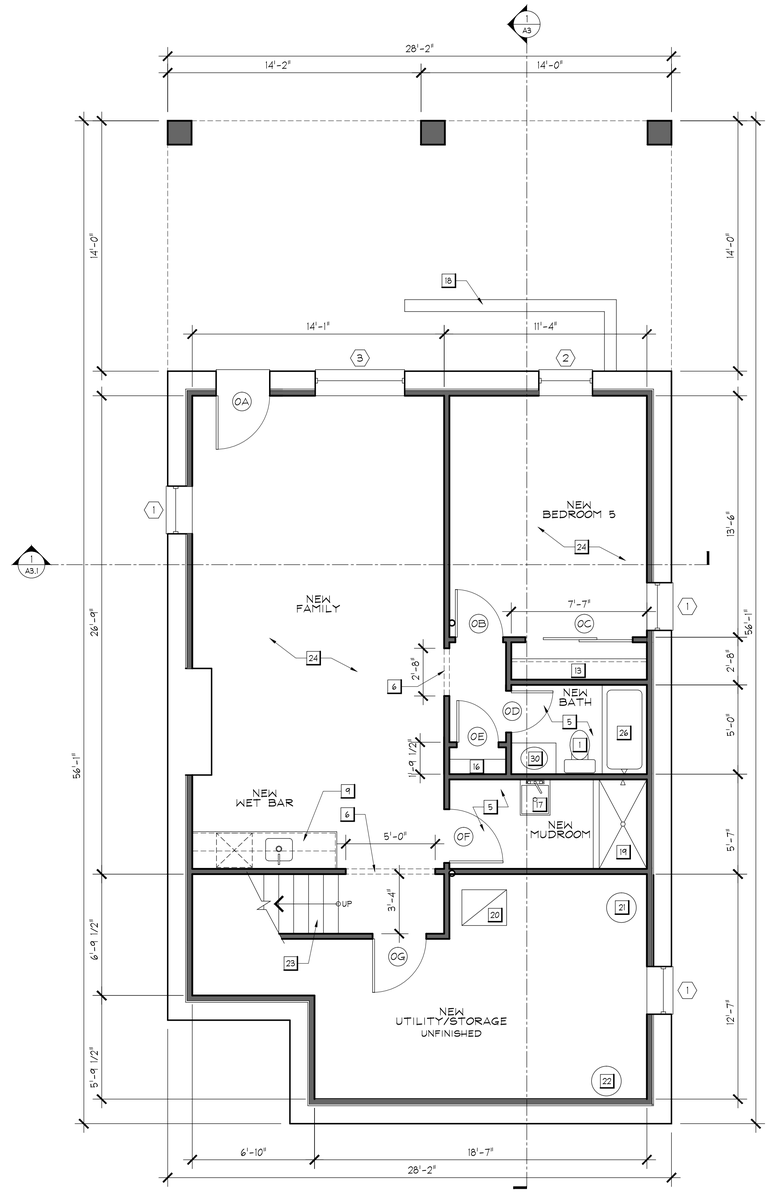
A1



2 A1.1 PROPOSED FIRST FLOOR PLAN

1/4" = 1'-0"

MUNICIPAL STAMPS



1 A1.1 PROPOSED BASEMENT PLAN

1/4" = 1'-0"

FLOOR PLAN KEYNOTES:

1. NEW TOILET
2. NEW 72" DOUBLE VANITY
3. NEW CUSTOM TILED SHOWER W/ GLASS ENCLOSURE AND TILED SOAP NICHE
4. NEW SOAKING TUB - SLECTED BY OWNER
5. NEW TILE FLOORING - SELECTED BY OWNER
6. NEW CASED OPENING
7. NEW HARDWOOD FLOORING
8. NEW 6" WIDE X 6" DEEP FAUX WOOD CEILING BEAMS
9. NEW KITCHEN/PANTRY CABINETS PER SEPARATE KITCHEN DESIGN DRAWINGS
10. NEW 36" HIGH DECK GUARDRAIL
11. COMPOSITE DECKING BOARDS
12. GAS FIREPLACE - SELECTED BY OWNER
13. CUSTOM CLOSET ORGANIZING
14. NEW 6X6 CEDAR POST
15. POURED CONCRETE PORCH SLAB
16. PANTRY/LINEN SHELVING TO BE DESIGNED BY OWNER
17. NEW UTILITY SINK
18. RETAINING LESS THAN 24" HIGH - BUILT WITH STACKABLE LANDSCAPE BLOCKS
19. NEW DOG SHOWER
20. NEW HVAC
21. NEW WATER HEATER
22. SUMP PUMP
23. NEW STAIR CASE PER CODE: 36" MIN. WIDTH; 80" MIN HEAD CLEARANCE; 7.75" MAX RISER; 10" MIN. TREAD DEPTH
24. LUXURY VINYL TILE FLOORING
25. WASHER/DRYER UNITS
26. 60" TUB/SHOWER COMBO
27. 48" VANITY
28. 60" DOUBLE VANITY
29. NEW BUILT-IN - DESIGNED BY OWNER
30. 30" VANITY
31. INSECT SCREENING PANELS
32. 32" X 80" SCREENED DOOR
33. ATTIC ACCESS PANEL W/ PULL-DOWN LADDER

APPROVED
Montgomery County
Historic Preservation Commission

REVIEWED
By Dan Bruechert at 2:07 pm, Aug 27, 2025

GENERAL NOTES:

1. ALL DIMENSIONS ARE TO FACE OF STUD, CONCRETE OR MASONRY ON NEW WALLS, AND TO FACE OF FINISH OF EXISTING WALLS.
2. ANGLED WALLS ARE 45° TO ADJACENT WALLS, U.N.O.
3. DOORS TO BE LOCATED 4" FROM WALL ON HINGE SIDE OR CENTER OF THE SPACE, U.N.O.

FLOOR PLAN LEGEND

- EXISTING WALL TO REMAIN
- NEW INT. 2X4 STUD WALL, U.N.O.
- NEW EXT. 2X4 STUD FURRED WALL R-13 MIN. INSULATION
- NEW EXTERIOR 2X6 STUD WALL; R-20 MIN. INSULATION
- NEW 8" CONC. MASONRY WALL
- NEW BRICK MASONRY WALL OR PIER
- EXISTING WALL TO BE REMOVED
- EXISTING ITEM TO BE REMOVED
- 8'-0" CEILING HEIGHT INDICATOR

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REVISIONS

BALTIMORE AVENUE
ADDITION AND RENOVATION
7329 BALTIMORE AVENUE | TAKOMA PARK, MD 20912

STATE OF MARYLAND · ERIC C. SAUL · 14248 · ARCHITECT

PROFESSIONAL CERTIFICATION:
I, ERIC SAUL, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 14248, EXPIRATION DATE JUNE 30, 2027

PROJECT NUMBER: 25010

PRINTING LOG

DATE	PURPOSE
02.20.25	PRE-DESIGN
06.18.25	HAWP SUBMITTAL

PROPOSED BASEMENT AND FIRST FLOOR PLANS

A1.1

DOOR SCHEDULE

DOOR NO.	ROOM NAME	DOOR SIZE	DOOR TYPE	HDWR SET	THRESH	DOOR DETAILS HEAD	JAMB	SILL	REMARKS
BASEMENT									
0A	FAMILY	3'-0" x 6'-8"	SWING	6	ALUM.	-	-	-	ENTRY DOOR TO BE SELECTED BY OWNER
0B	BEDROOM 5	2'-8" x 6'-8"	SWING	3	NONE	-	-	-	SOLID CORE 1-PANEL DOOR
0C	BDRM 5 CLOSET	6'-0" x 6'-8"	SLIDING	9	NONE	-	-	-	SLIDING CLOSET DOORS TO BE SELECTED BY OWNER
0D	BATHROOM	2'-4" x 6'-8"	SWING	3	TILE	-	-	-	SOLID CORE 1-PANEL DOOR
0E	LINEN	2'-4" x 6'-8"	SWING	5	NONE	-	-	-	SOLID CORE 1-PANEL DOOR
0F	MUDROOM	2'-8" x 6'-8"	SWING	1	TILE	-	-	-	SOLID CORE 1-PANEL DOOR
0G	UTILITY	3'-0" x 6'-8"	SWING	1	NONE	-	-	-	SOLID CORE 1-PANEL DOOR
FIRST FLOOR									
1A	FOYER	3'-0" x 6'-8"	SWING	6	ALUM.	-	-	-	ENTRY DOOR TO BE SELECTED BY OWNER
1B	STAIRS	2'-8" x 6'-8"	SWING	1	NONE	-	-	-	SOLID CORE 1-PANEL DOOR
1C	OFFICE	4'-0" x 6'-8"	SLIDING BARN	8	NONE	-	-	-	CUSTOM BARN DOOR TO BE SELECTED BY OWNER
1D	OFFICE	2'-8" x 6'-8"	SWING	3	NONE	-	-	-	SOLID CORE 1-PANEL DOOR
1E	OFFICE CLOSET	6'-0" x 6'-8"	SLIDING	9	NONE	-	-	-	SLIDING CLOSET DOORS TO BE SELECTED BY OWNER
1F	BATHROOM	2'-4" x 6'-8"	SWING	3	TILE	-	-	-	SOLID CORE 1-PANEL DOOR
1G	LINEN	2'-4" x 6'-8"	SWING	5	NONE	-	-	-	SOLID CORE 1-PANEL DOOR
1H	CLOSET	2'-8" x 6'-8"	SWING	5	NONE	-	-	-	SOLID CORE 1-PANEL DOOR
1J	PANTRY	2'-4" x 6'-8"	POCKET	4	TILE	-	-	-	SOLID CORE 1-PANEL DOOR
1K	SCREENED PORCH	6'-0" x 6'-8"	SLIDING GLASS	7	ALUM.	-	-	-	SLIDING GLASS DOOR TO BE SELECTED BY OWNER
1L	SUNROOM	9'-0" x 7'-6"	SLIDING GLASS	7	ALUM.	-	-	-	SLIDING GLASS DOOR TO BE SELECTED BY OWNER
1M	STAIR SIDE ENTRY	2'-8" x 6'-8"	SWING	6	ALUM.	-	-	-	ENTRY DOOR TO BE SELECTED BY OWNER
SECOND FLOOR									
2A	MASTER BEDROOM	2'-8" x 6'-8"	SWING	3	NONE	-	-	-	SOLID CORE 1-PANEL DOOR
2B	MASTER BATH	2'-4" x 6'-8"	SWING	3	TILE	-	-	-	SOLID CORE 1-PANEL DOOR
2C	MASTER TOILET	2'-4" x 6'-8"	SWING	3	TILE	-	-	-	SOLID CORE 1-PANEL DOOR
2D	MASTER W.I.C	2'-4" x 6'-8"	SWING	1	NONE	-	-	-	SOLID CORE 1-PANEL DOOR
2E	MASTER W.I.C	2'-4" x 6'-8"	SWING	1	NONE	-	-	-	SOLID CORE 1-PANEL DOOR
2F	HALL CLOSET	PR. 2'-0" x 6'-8"	DOUBLE SWING	2	NONE	-	-	-	SOLID CORE 1-PANEL DOOR
2G	LAUNDRY	2'-8" x 6'-8"	SWING	1	NONE	-	-	-	SOLID CORE 1-PANEL DOOR
2H	BEDROOM 4	2'-8" x 6'-8"	SWING	3	NONE	-	-	-	SOLID CORE 1-PANEL DOOR
2J	BEDROOM 4 W.I.C	2'-8" x 6'-8"	SWING	1	NONE	-	-	-	SOLID CORE 1-PANEL DOOR
2K	BATHROOM	2'-4" x 6'-8"	SWING	3	TILE	-	-	-	SOLID CORE 1-PANEL DOOR
2L	BEDROOM 2	2'-8" x 6'-8"	SWING	3	NONE	-	-	-	SOLID CORE 1-PANEL DOOR
2M	BDRM 2 CLOSET	PR. 2'-6" x 6'-8"	DOUBLE SWING	2	NONE	-	-	-	SOLID CORE 1-PANEL DOOR
2N	BATHROOM	2'-4" x 6'-8"	SWING	3	TILE	-	-	-	SOLID CORE 1-PANEL DOOR
2P	BEDROOM 3	2'-8" x 6'-8"	SWING	3	NONE	-	-	-	SOLID CORE 1-PANEL DOOR
2Q	BEDROOM 2 W.I.C	2'-4" x 6'-8"	SWING	1	NONE	-	-	-	SOLID CORE 1-PANEL DOOR
2R	BATHROOM	2'-4" x 6'-8"	POCKET	4	TILE	-	-	-	SOLID CORE 1-PANEL DOOR
2S	BEDROOM 3	2'-8" x 6'-8"	SWING	3	NONE	-	-	-	SOLID CORE 1-PANEL DOOR
2T	HALL CLOSET	PR. 2'-0" x 6'-8"	DOUBLE SWING	2	NONE	-	-	-	SOLID CORE 1-PANEL DOOR

HARDWARE SETS: (ALL HARDWARE FINISHES TO BE SELECTED BY OWNER)

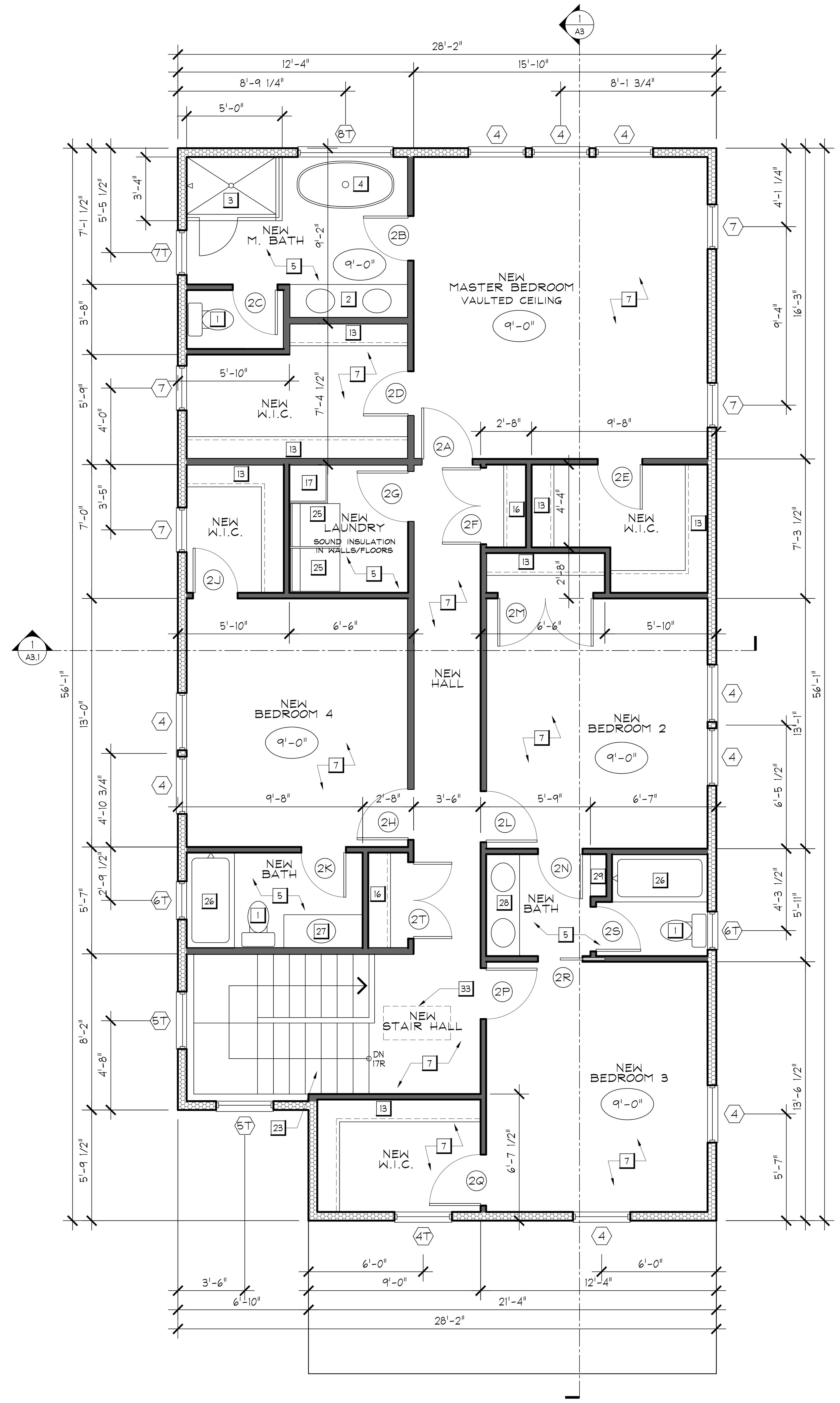
1. (2) 3.5" HINGES; PASSAGE LATCH
2. (2) 3.5" HINGES EACH DOOR; PLAIN DUMMY KNOB EACH DOOR
3. (2) 3.5" HINGES; PRIVACY LOCK
4. POCKET DOOR HARDWARE WITH LOCK
5. (2) 3.5" HINGES; PLAIN DUMMY KNOB
6. (3) 3.5" HINGES EACH DOOR; ENTRY LOCK AND DEADBOLT
7. SLIDING GLASS DOOR HARDWARE PER MANUFACTURER
8. CUSTOM INTERIOR SLIDING BARN DOOR HARDWARE PER MANUFACTURER
9. SLIDING CLOSET DOOR HARDWARE PER MANUFACTURER

WINDOW SCHEDULE

SYMB	MANUFACTURER	TYPE	MATERIAL	APPROX. UNIT SIZE	WINDOW DETAILS HEAD	JAMB	SILL	REMARKS
1	TBD	AWNING	VINYL	32" X 24"				QUANTITY = 3; REPLACEMENT WINDOW IN EXIST. OPENING
2	TBD	CASEMENT	VINYL	36" X 44"				QUANTITY = 1; EGRESS COMPLIANT (SET BOTTOM 44" A.F.F.)
3	TBD	SLIDER	VINYL	60" X 42" (VIF)				QUANTITY = 1; REPLACEMENT WINDOW IN EXIST. OPENING
4	TBD	DOUBLE HUNG	VINYL	36" X 62"				QUANTITY = 19; EGRESS COMPLIANT
4T	TBD	DOUBLE HUNG	VINYL	36" X 62"				QUANTITY = 1; EGRESS COMPLIANT - TEMPERED GLAZING
5	TBD	DOUBLE HUNG	VINYL	28" X 62"				QUANTITY = 2
5T	TBD	DOUBLE HUNG	VINYL	28" X 62"				QUANTITY = 2; TEMPERED GLAZING
6	TBD	AWNING	VINYL	28" X 28"				QUANTITY = 1
6T	TBD	AWNING	VINYL	28" X 28"				QUANTITY = 3; TEMPERED GLAZING
7	TBD	DOUBLE HUNG	VINYL	28" X 48"				QUANTITY = 4
7T	TBD	DOUBLE HUNG	VINYL	28" X 48"				QUANTITY = 1; TEMPERED GLAZING
8	TBD	DOUBLE HUNG	VINYL	24" X 48"				QUANTITY = 2
9T	TBD	FIXED	VINYL	60" X 36"				QUANTITY = 1; TEMPERED GLAZING

1. HARDWARE AND FINISH TO BE SELECTED BY OWNER
2. DOUBLE GLAZING, LOW E GLASS WITH ARGON
3. ARCHITECT TO REVIEW FINAL WINDOW ORDER BEFORE PURCHASING

MUNICIPAL STAMPS



1 A1.2 PROPOSED SECOND FLOOR PLAN
1/4" = 1'-0"

FLOOR PLAN KEYNOTES:

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2. NEW 72" DOUBLE VANITY
3. NEW CUSTOM TILED SHOWER W/ GLASS ENCLOSURE AND TILED SOAP NICHE
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APPROVED
Montgomery County
Historic Preservation Commission

REVIEWED
By Dan Bruechert at 2:07 pm, Aug 27, 2025

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SAUL ARCHITECTS
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REVISIONS

BALTIMORE AVENUE
ADDITION AND RENOVATION
7329 BALTIMORE AVENUE | TAKOMA PARK, MD 20912

STATE OF MARYLAND
ERIC G. SAUL
14248
ARCHITECT

PROFESSIONAL CERTIFICATION: I, ERIC SAUL, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 14248, EXPIRATION DATE JUNE 30, 2027

PROJECT NUMBER: 25010

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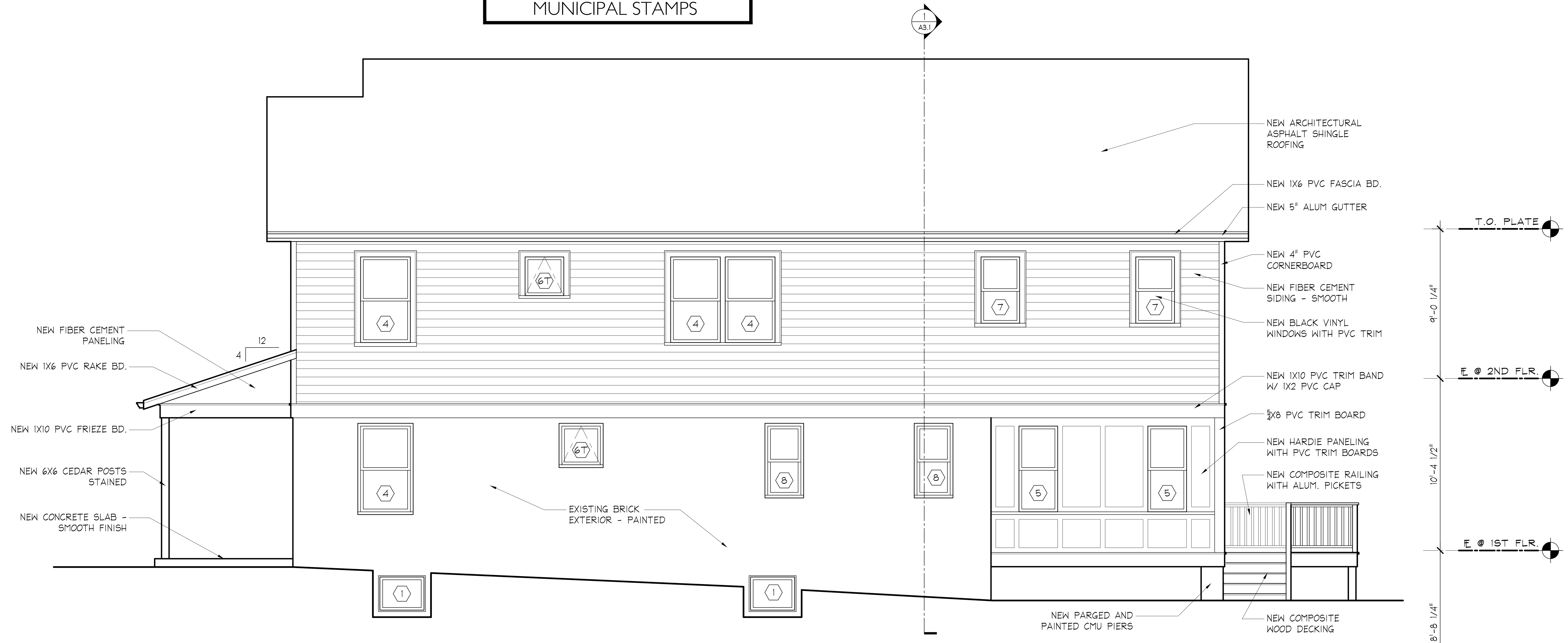
02.20.25	PRE-DESIGN
06.18.25	HAWP SUBMITTAL

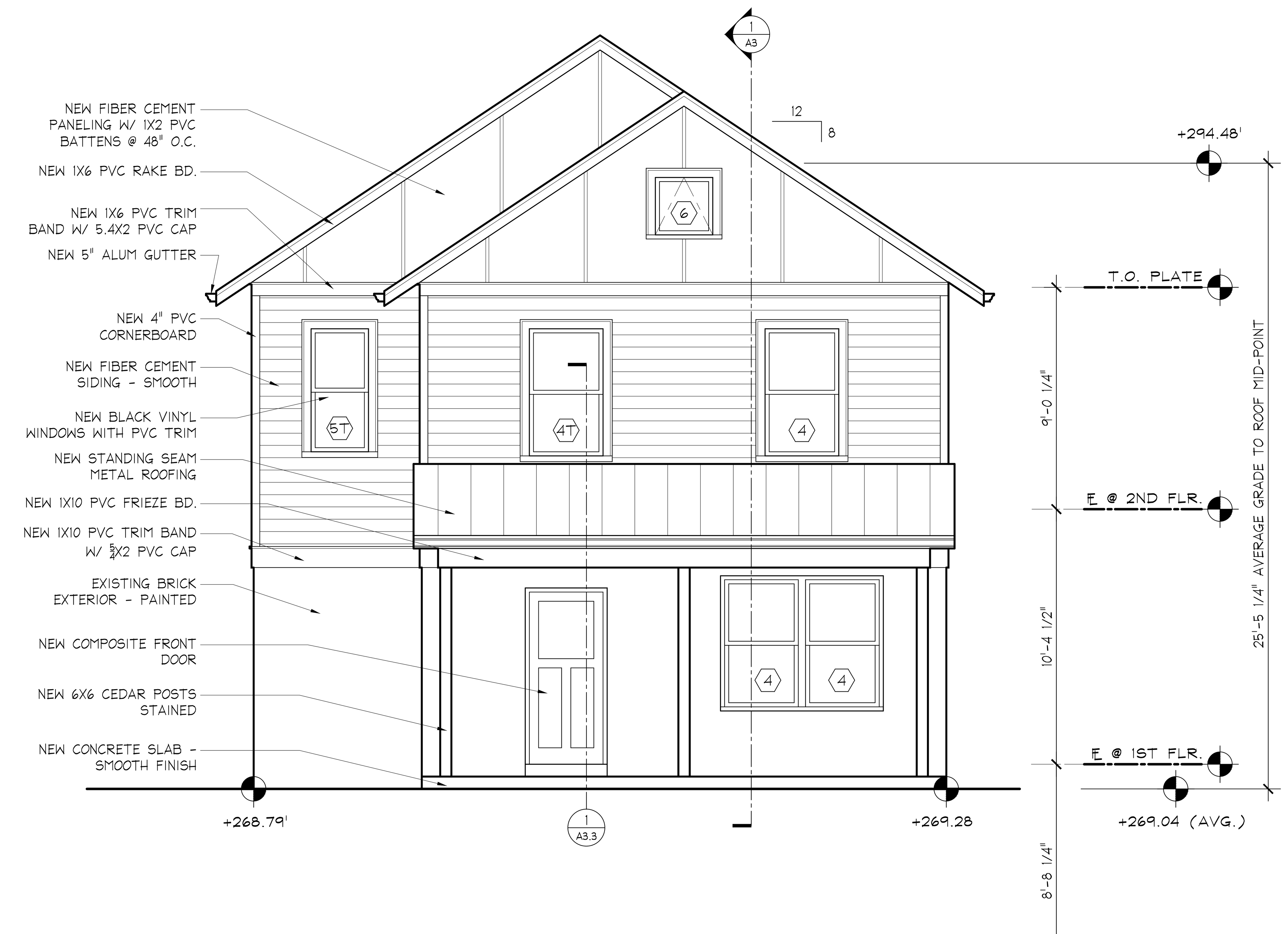
PROPOSED 2ND FLOOR PLAN & DOOR/WINDOW SCHEDULES

A1.2

MUNICIPAL STAMPS



2 A2 PROPOSED SIDE (WEST) ELEVATION
1/4" = 1'-0"



1 A2 PROPOSED FRONT ELEVATION
1/4" = 1'-0"

APPROVED
Montgomery County
Historic Preservation Commission
Karen Burditt

REVIEWED
By Dan Bruechert at 2:08 pm, Aug 27, 2025

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STATE OF MARYLAND ERIC C. SAUL 14248 ARCHITECT

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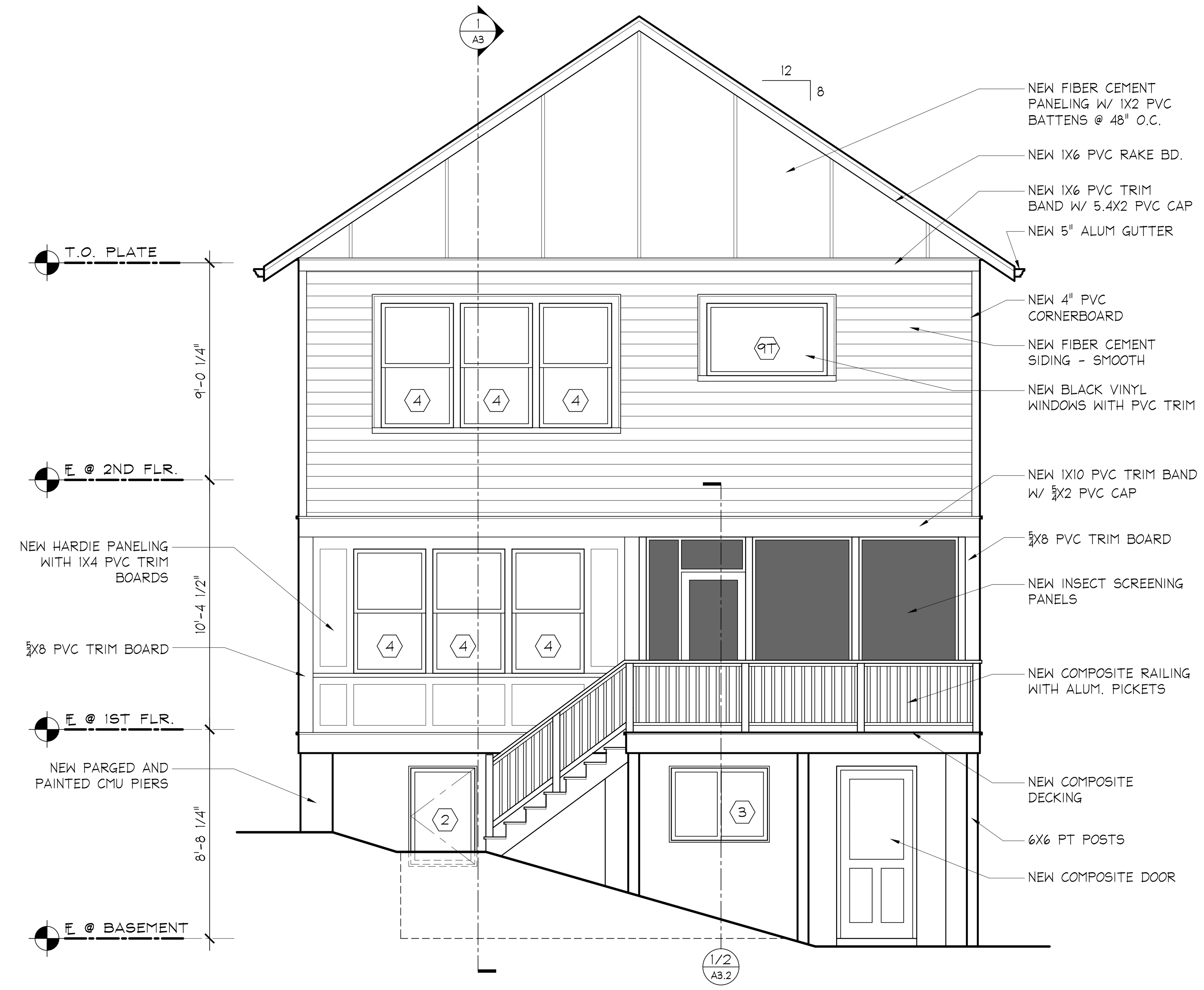
EXTERIOR ELEVATIONS

A2

MUNICIPAL STAMPS

2 A2.1 PROPOSED SIDE (EAST) ELEVATION
1/4" = 1'-0"



1 A2.1 PROPOSED REAR ELEVATION
1/4" = 1'-0"

APPROVED
Montgomery County
Historic Preservation Commission

REVIEWED
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EXTERIOR ELEVATIONS

A2.1

APPROVED

Montgomery County

Historic Preservation Commission

REVIEWED

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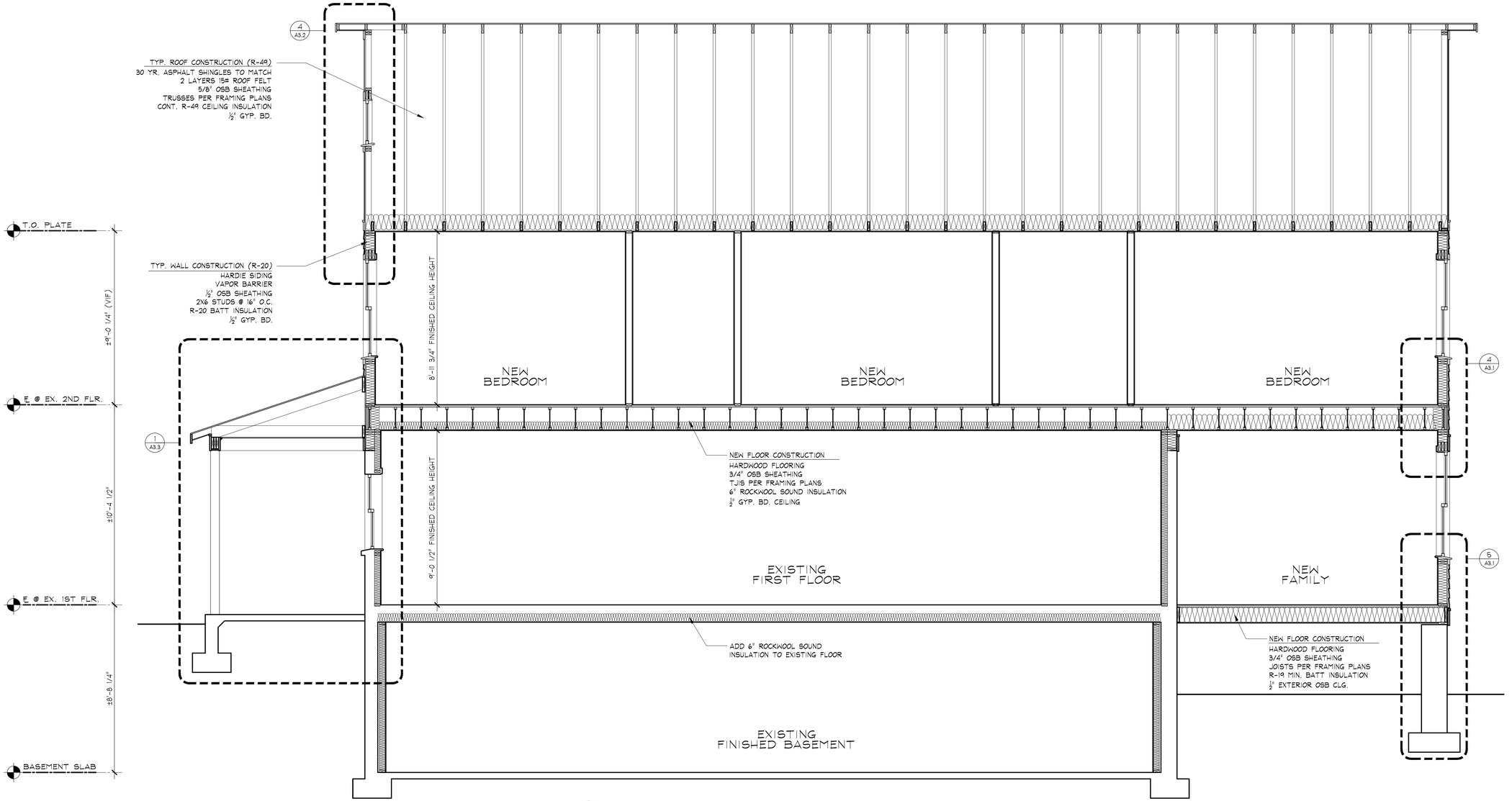
MUNICIPAL STAMPS



1 / A3 BUILDING SECTION

3/8" = 1'-0"

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STATE OF MARYLAND · ERIC C. SAUL · 14248 · ARCHITECT

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BLDG. SECTIONS AND DETAILS

A3

MUNICIPAL STAMPS

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Historic Preservation Commission

REVIEWED
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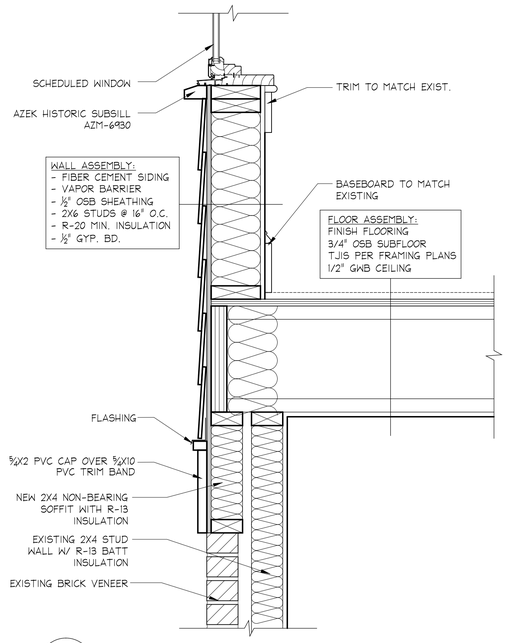
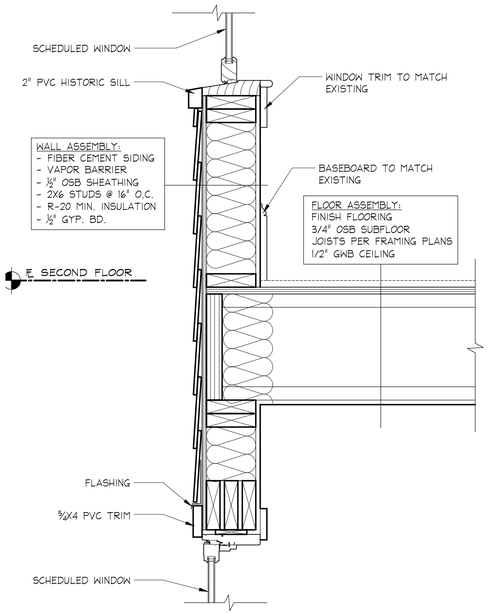
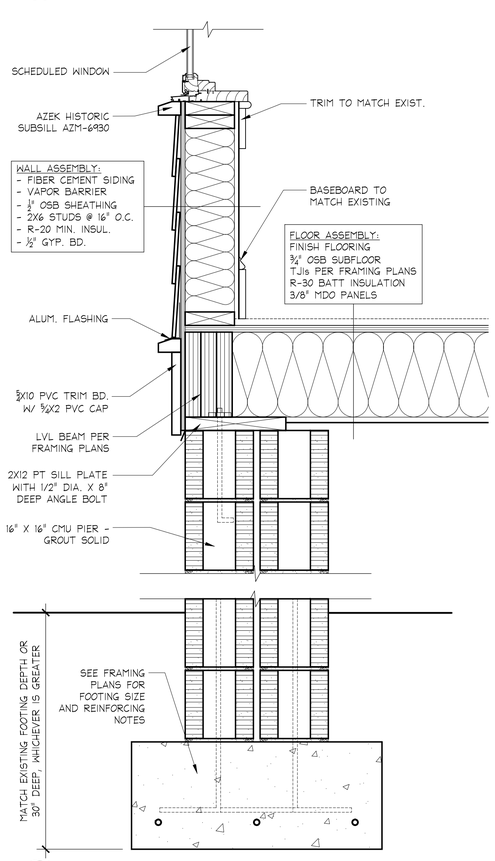


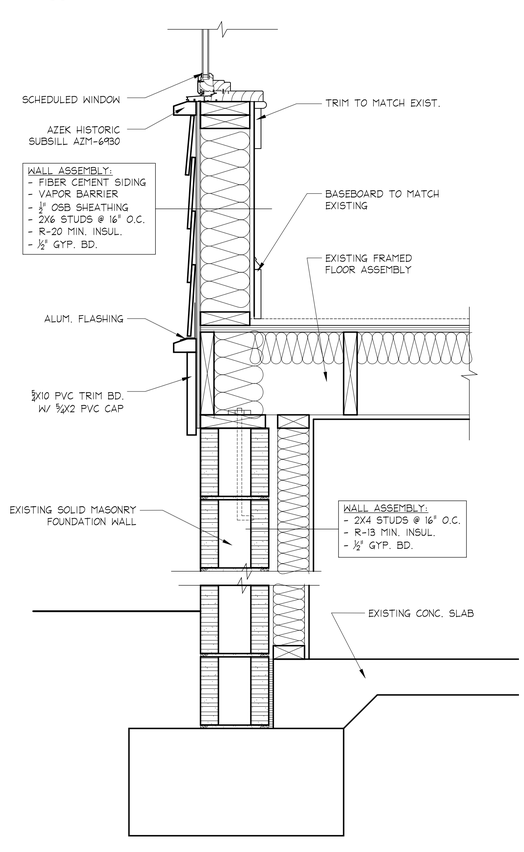
6 A3.1 FLOOR/EXISTING WALL DETAIL
1 1/2" = 1'-0"



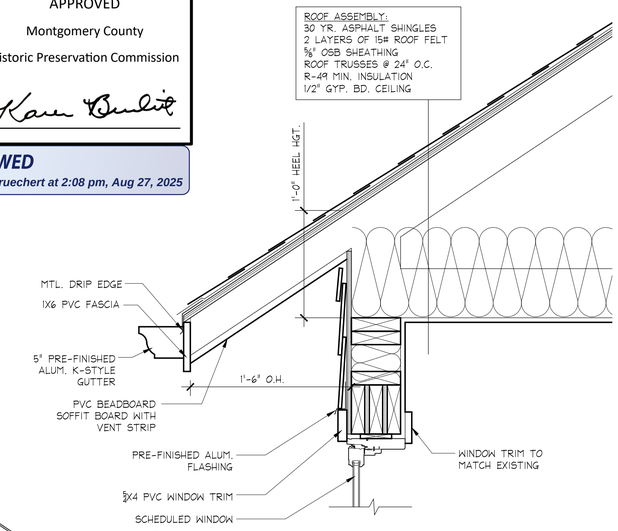
4 A3.1 TYP. FLOOR/WALL DETAIL
1 1/2" = 1'-0"



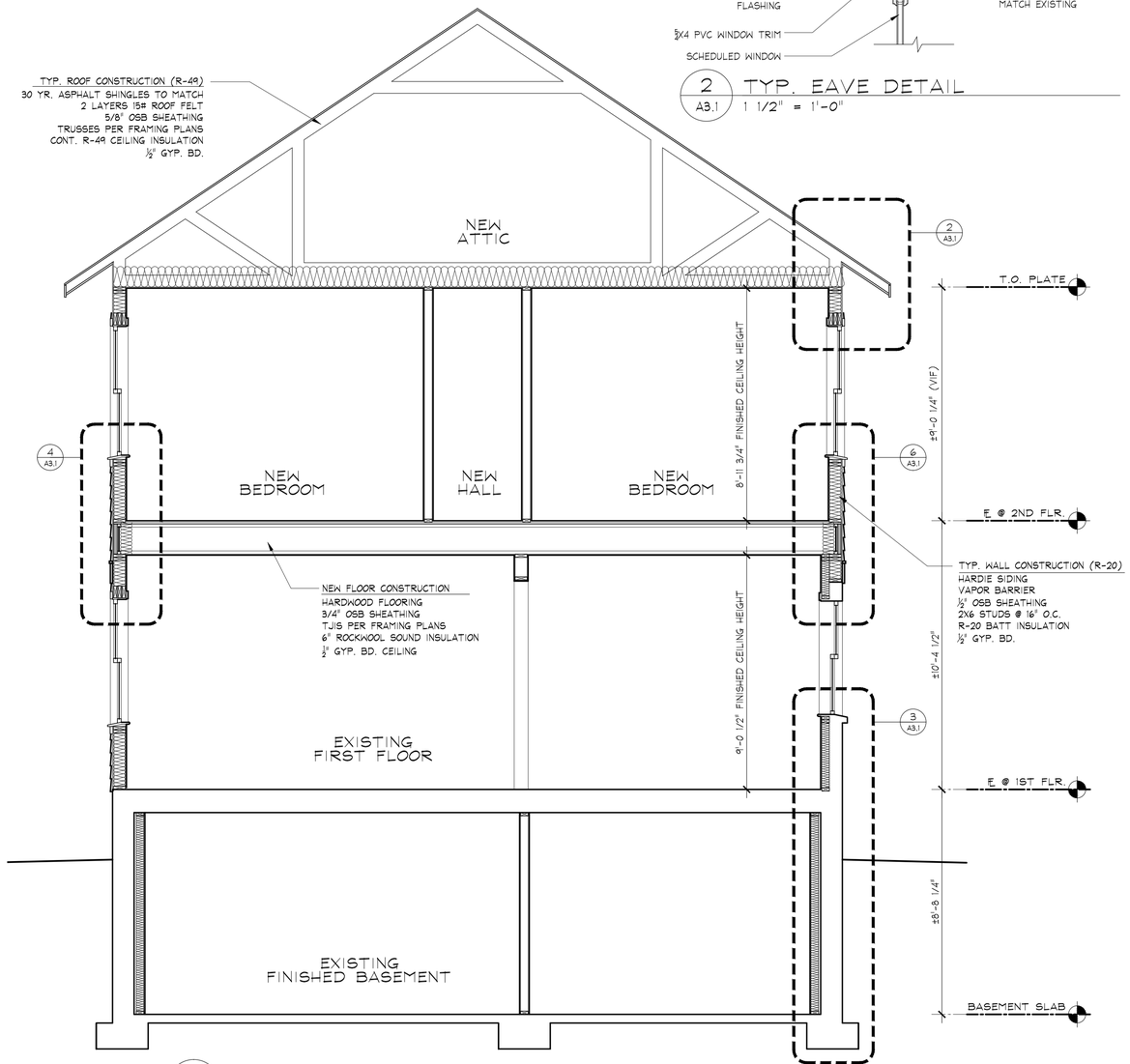
5 A3.1 PIER FOUNDATION DETAIL
1 1/2" = 1'-0"



3 A3.1 FINISHED BASEMENT DETAIL
1 1/2" = 1'-0"



2 A3.1 TYP. EAVE DETAIL
1 1/2" = 1'-0"



1 A3.1 BUILDING CROSS SECTION
3/8" = 1'-0"

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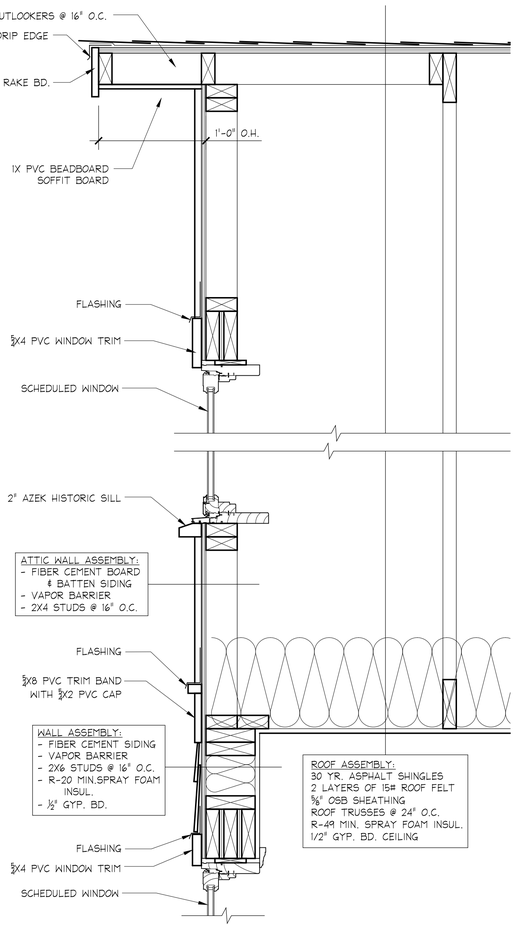
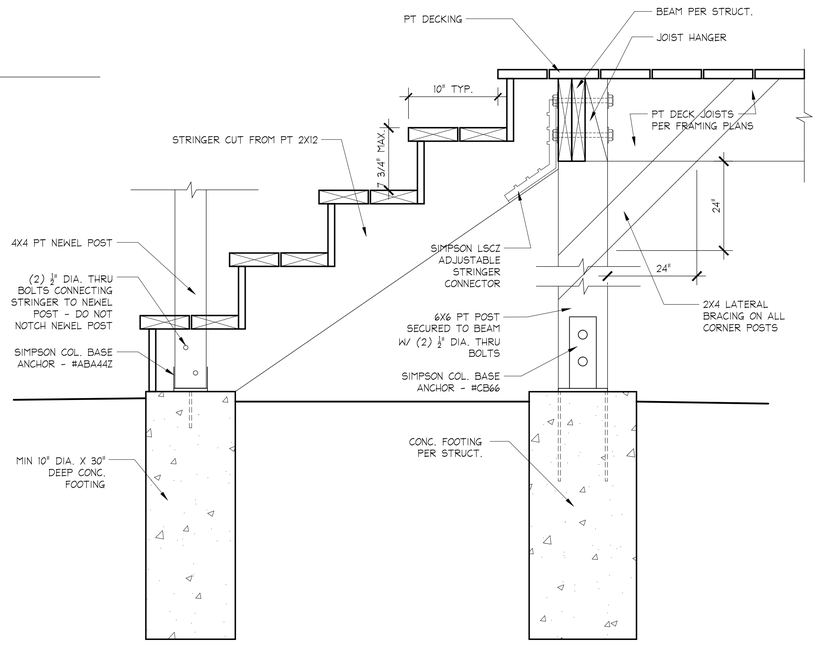
BUILDING SECTION AND DETAILS

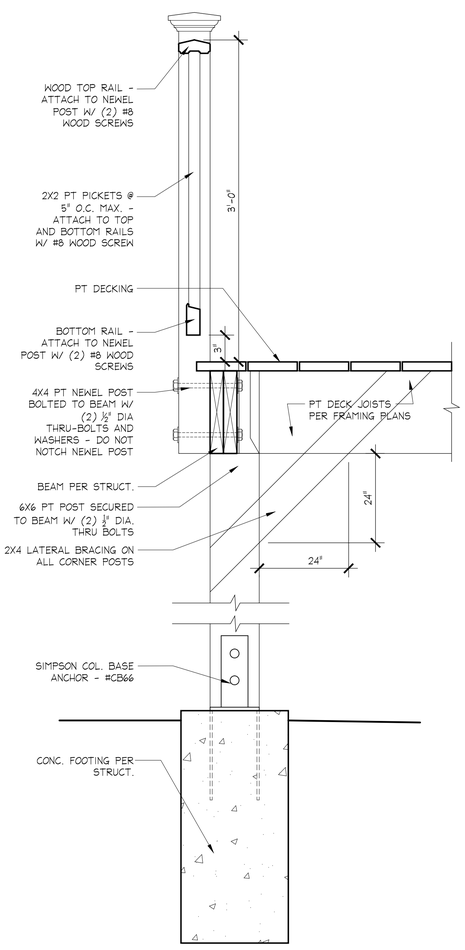
A3.1



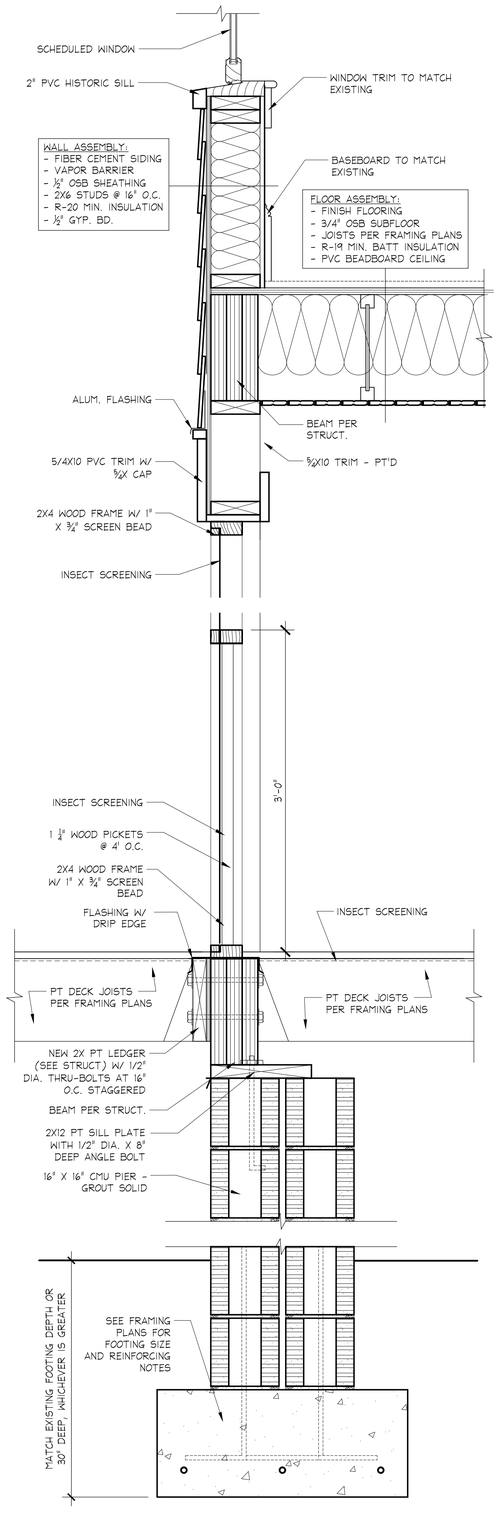
4 A3.2 BALCONY DETAIL
1 1/2" = 1'-0"



3 A3.2 TYP. DECK STAIR DETAIL
1 1/2" = 1'-0"



2 A3.2 TYP. DECK RAILING DETAIL
1 1/2" = 1'-0"



1 A3.2 TYP. DECK CONNECTION DETAIL
1 1/2" = 1'-0"

MUNICIPAL STAMPS

APPROVED
Montgomery County
Historic Preservation Commission

REVIEWED
By Dan Bruechert at 2:08 pm, Aug 27, 2025

SAUL ARCHITECTS
8114 CARROLL AVENUE | TAKOMA PARK, MD 20912
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REVISIONS

BALTIMORE AVENUE
ADDITION AND RENOVATION
7329 BALTIMORE AVENUE | TAKOMA PARK, MD 20912

STATE OF MARYLAND · ERIC C. SAUL · 14248 · ARCHITECT

PROFESSIONAL CERTIFICATION:
I, ERIC SAUL, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 14248, EXPIRATION DATE JUNE 30, 2027

PROJECT NUMBER: 25010

PRINTING LOG

DATE	PURPOSE
02.20.25	PRE-DESIGN
06.18.25	HAWP SUBMITTAL

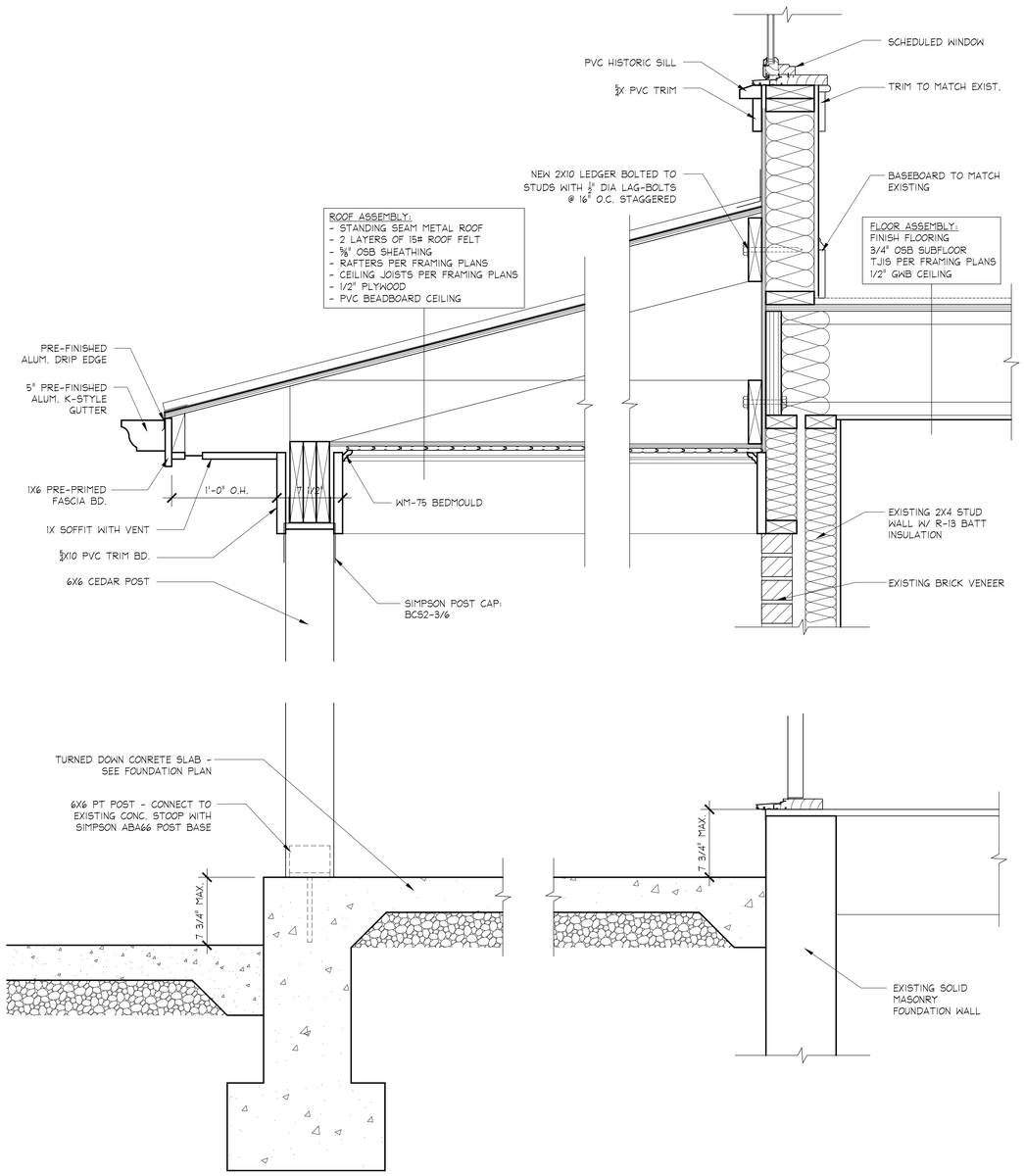
DECK/SCREENED PORCH DETAILS

A3.2

MUNICIPAL STAMPS

APPROVED
Montgomery County
Historic Preservation Commission

REVIEWED
By Dan Bruechert at 2:08 pm, Aug 27, 2025



1 / A3.3 FRONT PORCH SECTION DETAIL
1 1/2" = 1'-0"

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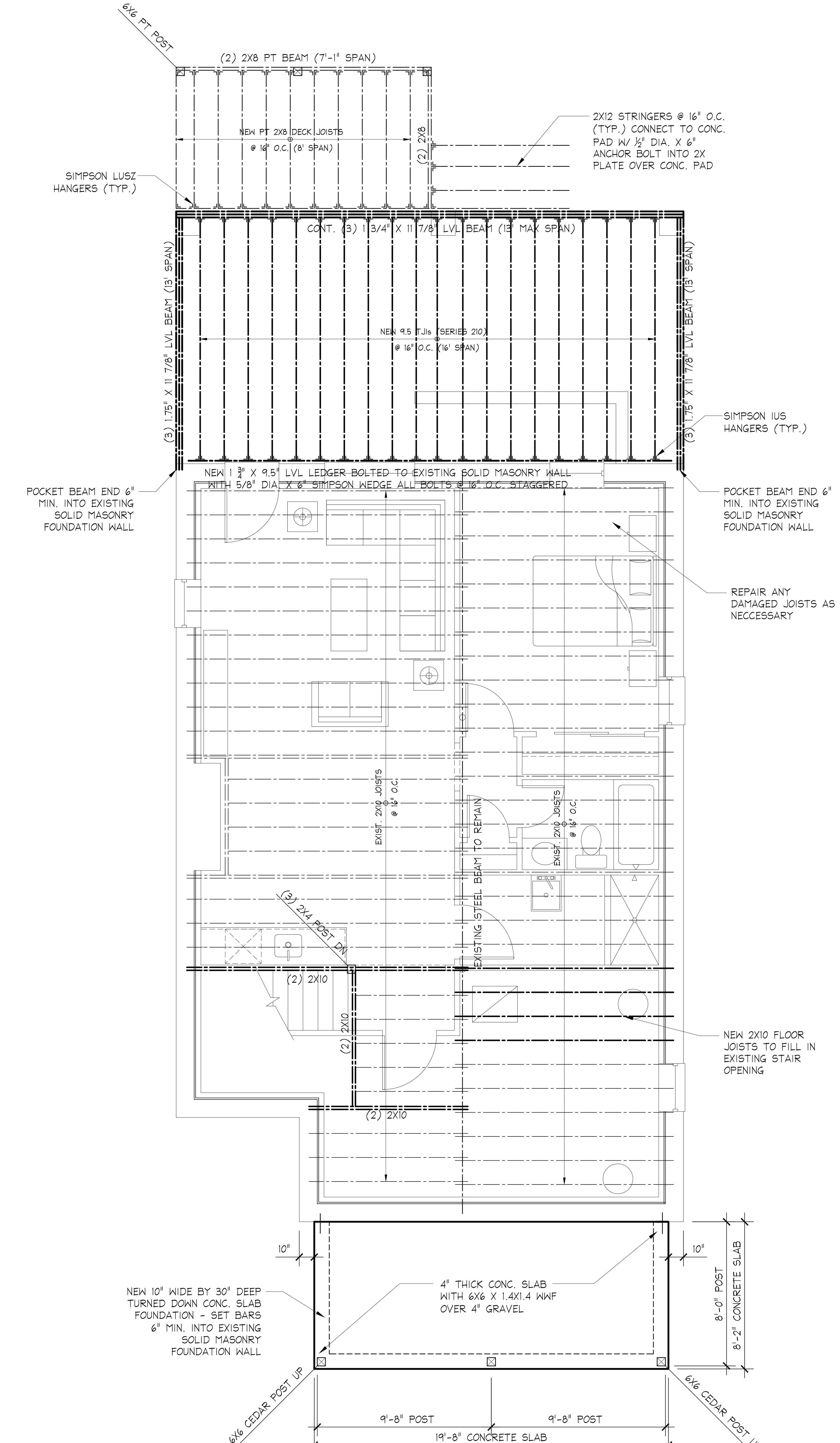
06.18.25	HAWP SUBMITTAL

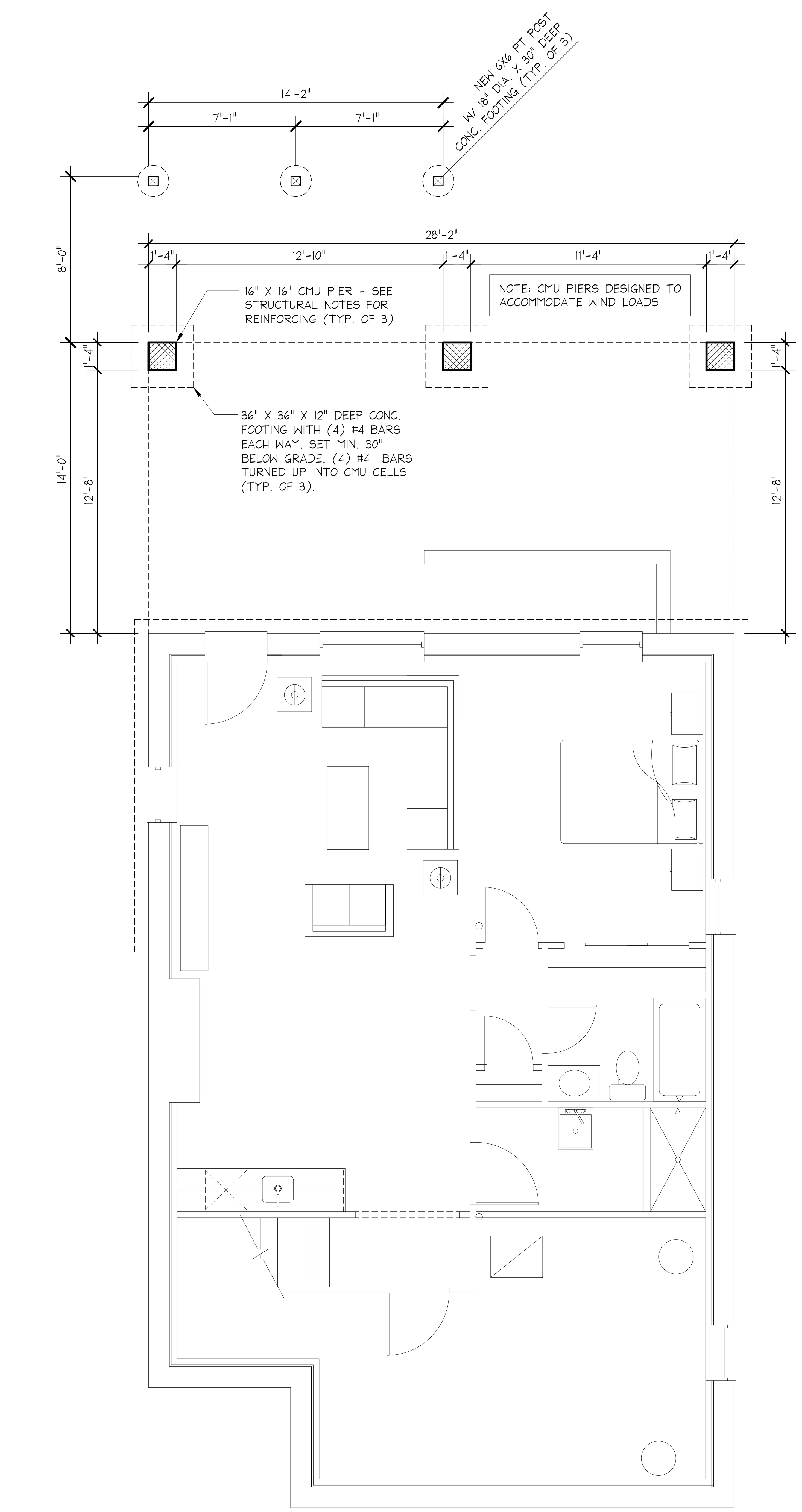
FRONT PORCH DETAILS

A3.3



2 / S1 FIRST FLOOR FRAMING PLAN
1/4" = 1'-0"

MUNICIPAL STAMPS



1 / S1 FOUNDATION PLAN
1/4" = 1'-0"

STRUCTURAL NOTES:

1. USE MONTGOMERY COUNTY, MD. BUILDING CODE IRC 2021.
2. LOADS- LIVE -FLOOR RESIDENTIAL - 40PSF; ROOF - 30 PSF - SNOW; WIND 115 MPH EXPOSURE B IMPORTANCE 1
3. FOUNDATIONS ARE DESIGNED FOR 2000 PSF SOIL. FOOTING BOTTOMS SHALL BE AT LEAST 30" BELOW GRADE AND A MINIMUM OF 12" INTO EXISTING NATURAL SOIL. EXISTING FOUNDATIONS ARE ADEQUATE FOR NEW LOADS
4. CONCRETE - 3000 PSI @ 28 DAYS MINIMUM. REINFORCING STEEL ASTM A615 GRADE 60. USE ACI STANDARDS. CONC. FOUNDATION WALL REINFORCEMENT: #4 BARS @ 24" O.C. HORIZ. AND VERTICAL - EMBED 8" INTO FOOTING.
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8. STRUCTURAL STEEL SHALL BE ASTM A-36. USE AISC STANDARDS
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10. STRUCTURAL ENGINEER CERTIFIES THAT THE EXISTING STRUCTURE IS ADEQUATE TO HANDLE ADDITIONAL LOADS FROM THE ADDITION AND WILL PROVIDE CERTIFICATION DURING INSPECTION PROCESS.

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NOTE: USE CONTINUOUS WALL BRACING METHOD (#3) PER IRC: R602.10.4

CS-WSP = 1/2" WOOD STRUCTURAL PANEL (SEE STRUCTURAL NOTE #6 FOR CONNECTION CRITERIA)

APPROVED
Montgomery County
Historic Preservation Commission
[signature]

REVIEWED
By Dan Bruechert at 2:08 pm, Aug 27, 2025

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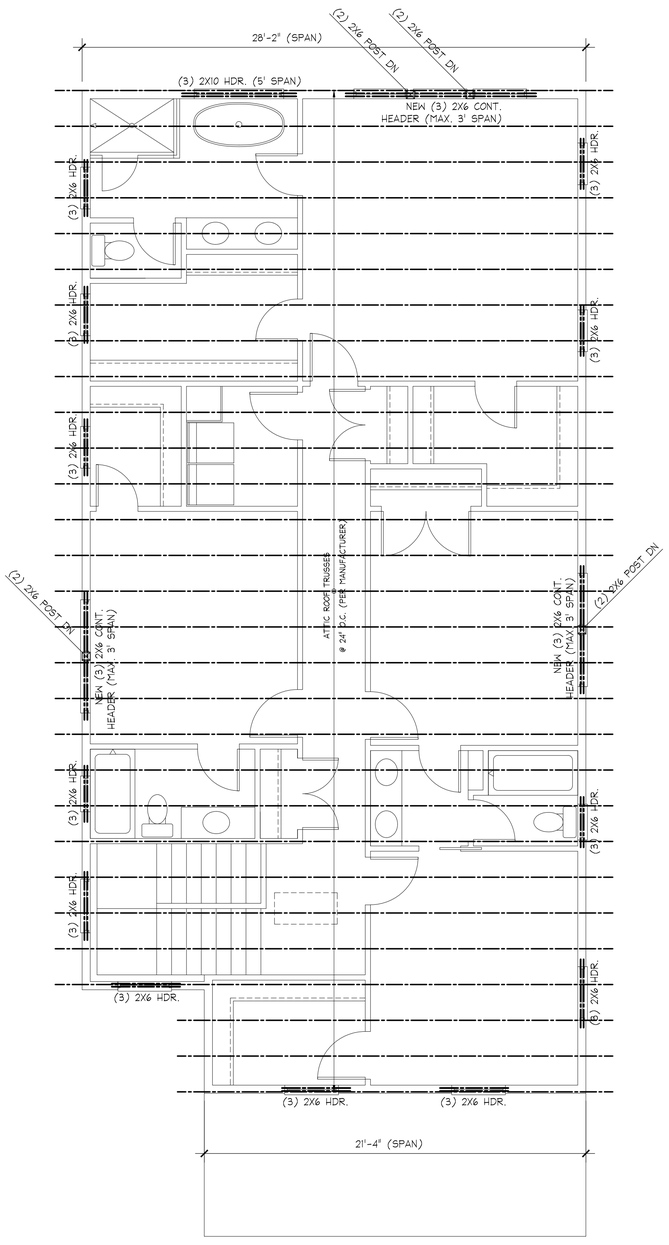
06.18.25	HAWP SUBMITTAL

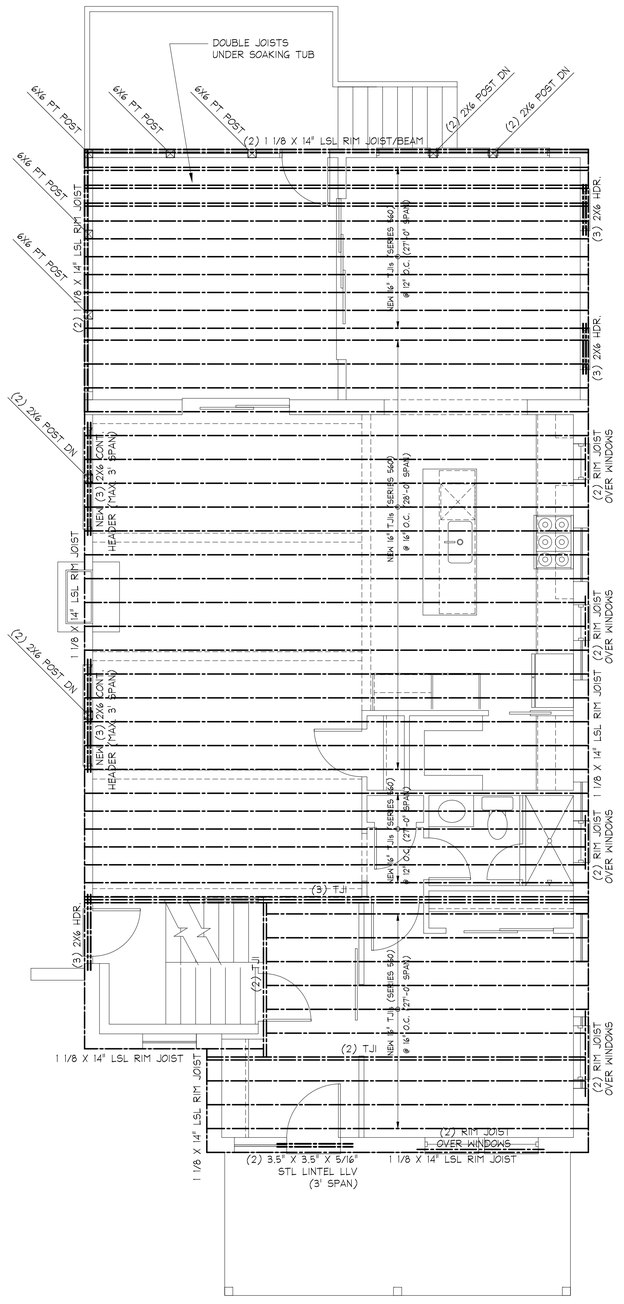
STRUCTURAL PLANS

S1

MUNICIPAL STAMPS



2 S2 ROOF FRAMING PLAN
1/4" = 1'-0"



1 S2 SECOND FLOOR FRAMING PLAN
1/4" = 1'-0"

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APPROVED
Montgomery County
Historic Preservation Commission

REVIEWED
By Dan Bruechert at 2:08 pm, Aug 27, 2025

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REVISIONS

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ADDITION AND RENOVATION
7329 BALTIMORE AVENUE | TAKOMA PARK, MD 20912

PROJECT NUMBER: 25010

PRINTING LOG

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02.20.25	PRE-DESIGN
06.18.25	HAWP SUBMITTAL

STRUCTURAL FRAMING PLANS

S2

MUNICIPAL STAMPS

APPROVED
Montgomery County
Historic Preservation Commission

REVIEWED
By Dan Bruechert at 2:08 pm, Aug 27, 2025

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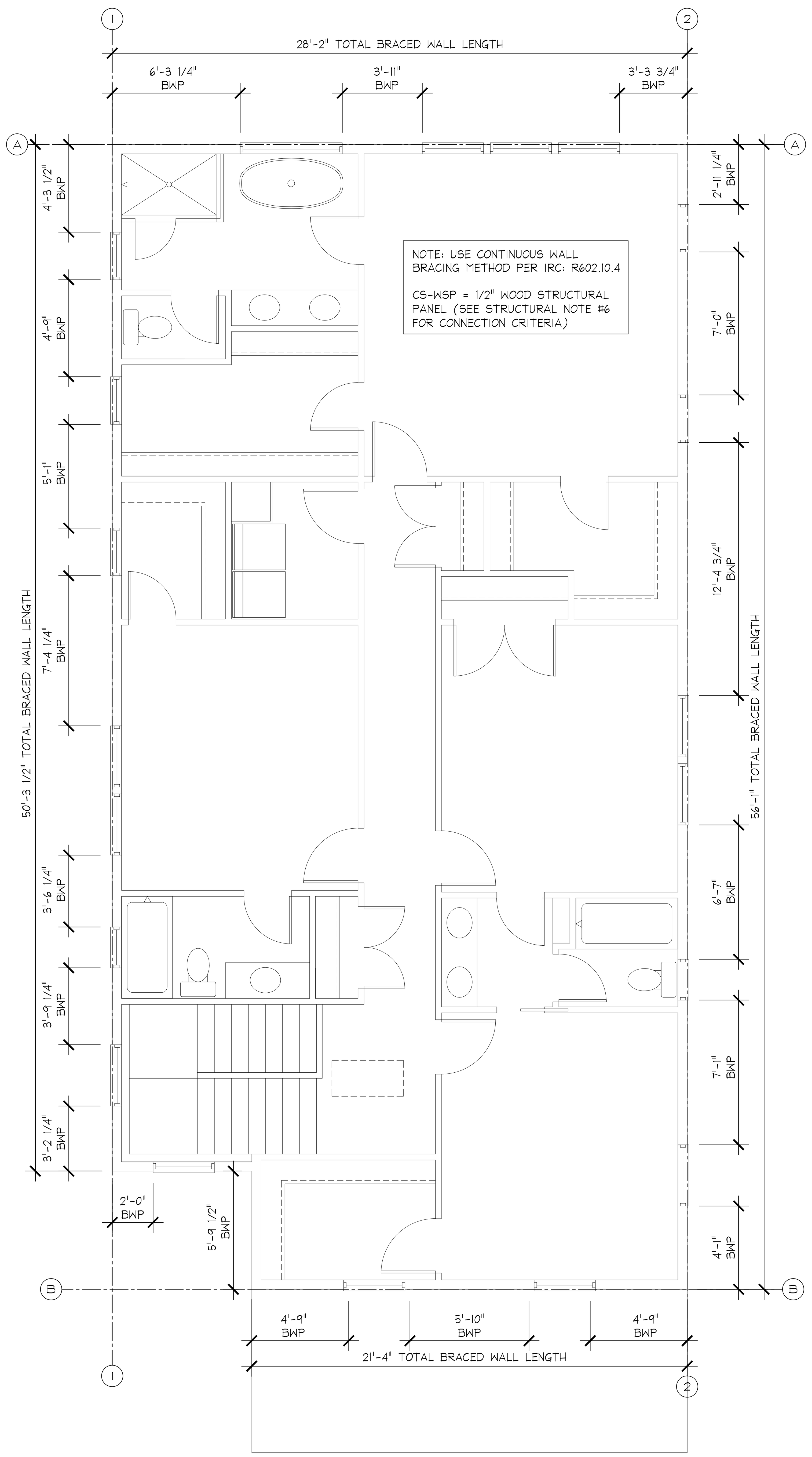
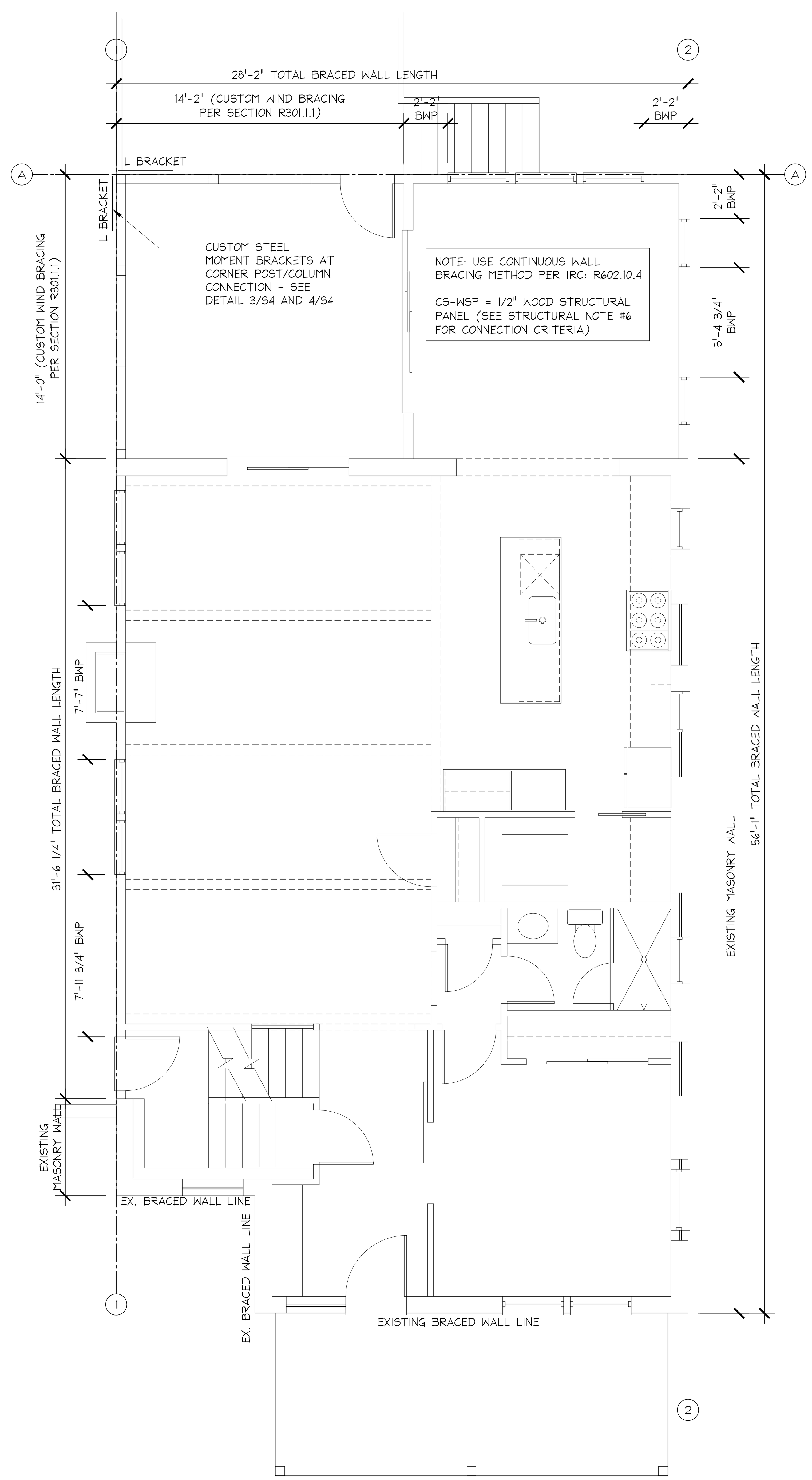
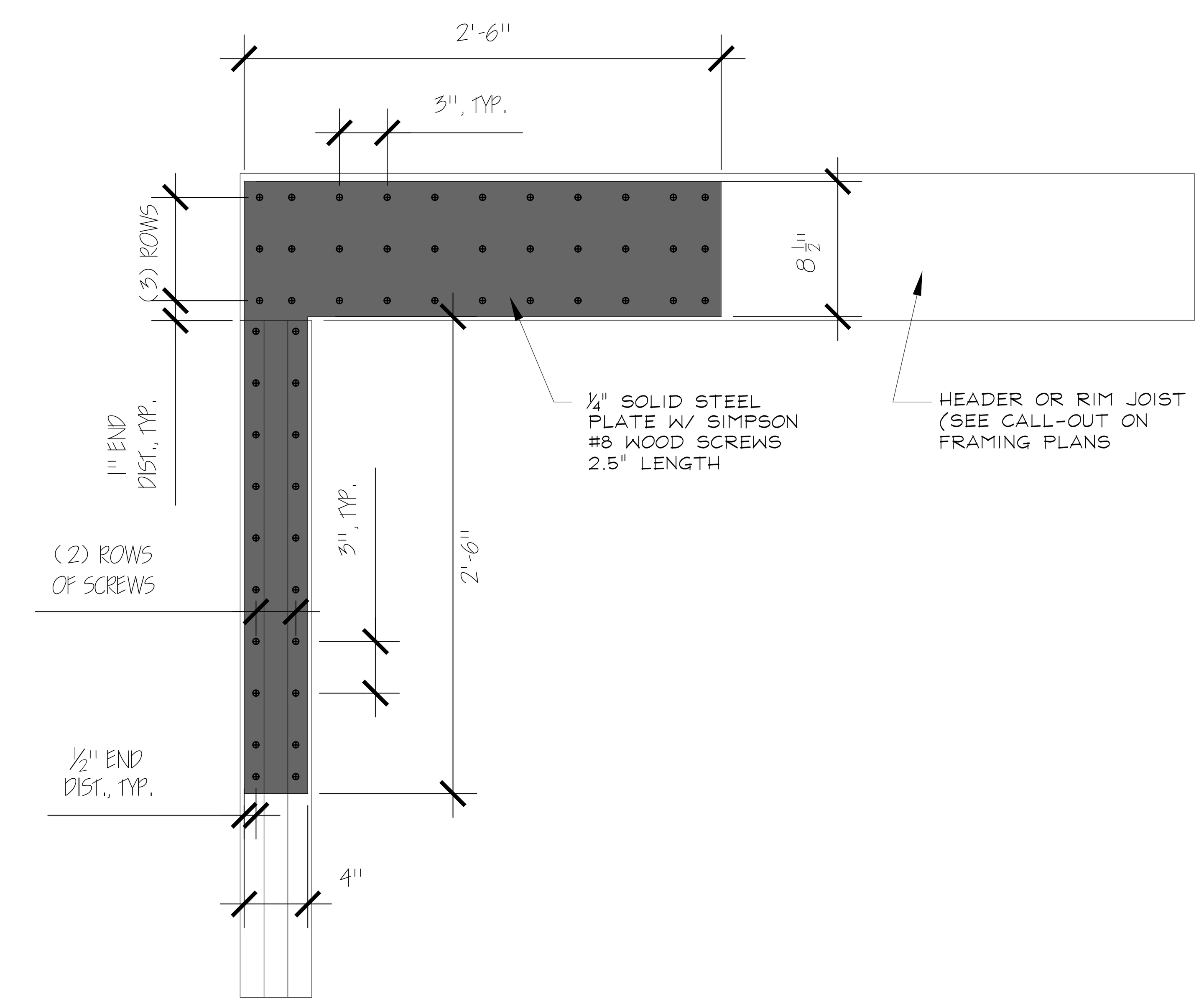


2 SECOND FLOOR WIND BRACING DIAGRAM
S3 1/4" = 1'-0"



1 FIRST FLOOR WIND BRACING DIAGRAM
S3 1/4" = 1'-0"



3 MOMENT BRACKET DETAIL
S3 1/4" = 1'-0"

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PRINTING LOG

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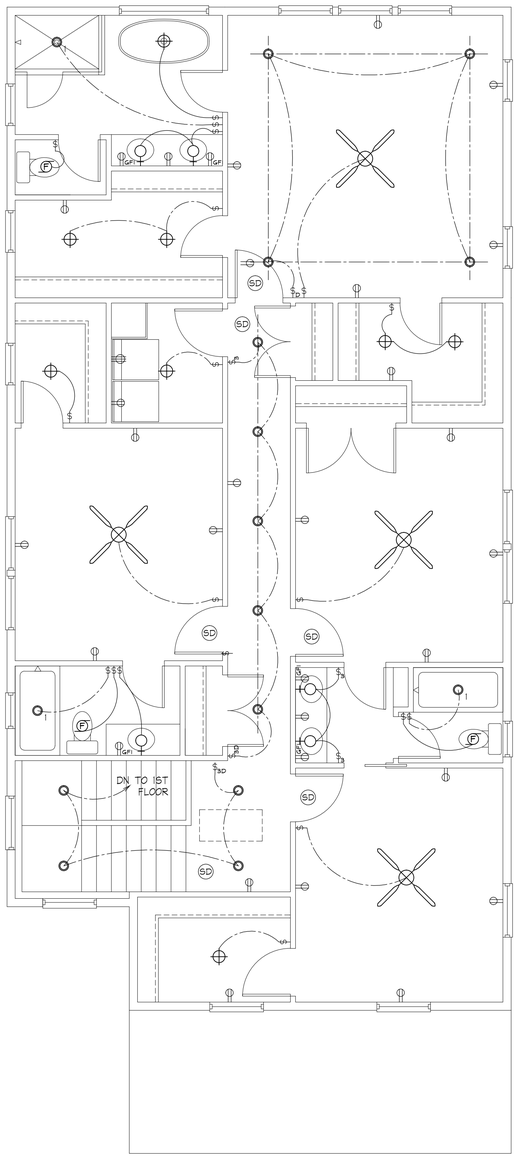
06.18.25	HAWP SUBMITTAL

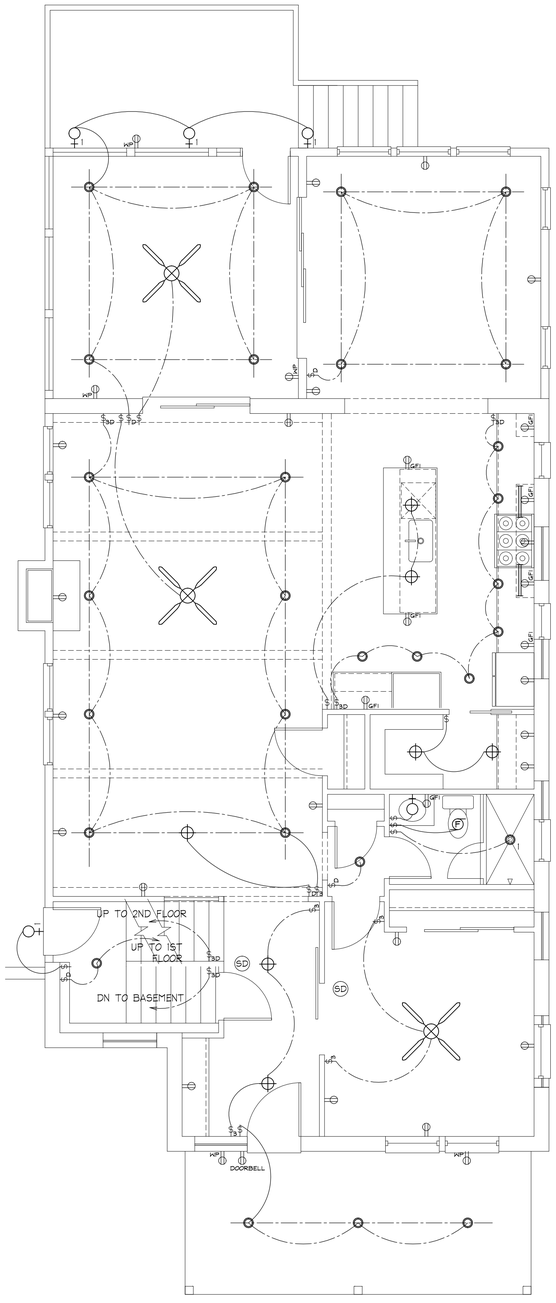
WIND BRACING DIAGRAM

S3

MUNICIPAL STAMPS



3 E1 SECOND FLOOR ELECTRICAL PLAN
1/4" = 1'-0"



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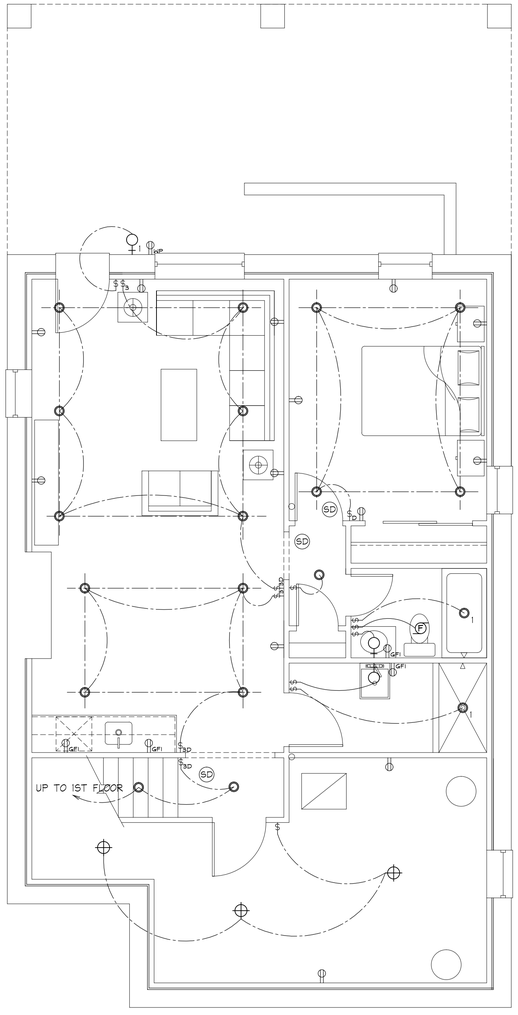
1/4" = 1'-0"



1 E1 BASEMENT ELECTRICAL PLAN
1/4" = 1'-0"

ELECTRICAL SYMBOLS

- SWITCH
- THREE-WAY SWITCH
- JAMB SWITCH
- SWITCH WITH DIMMER
- AIR SWITCH FOR DISPOSAL
- DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE W/ USB PORTS
- QUADRUPLEX RECEPTACLE
- SWITCHED OUTLET
- GROUND FAULT PROTECTED RECEPTACLE
- WATERPROOF RECEPTACLE
- 220V RECEPTACLE
- FLOOR MOUNTED DUPLEX RECEPTACLE
- CEILING MOUNTED WIRELESS ACCESS POINT JACK
- CABLE TELEVISION JACK W/ DUAL CAT6 DATA WIRING
- TELEPHONE JACK/INTERNET/DATA
- SMOKE DETECTOR
- SURFACE MOUNTED CEILING FIXTURE (OSC)
- RECESSED CEILING FIXTURE
- RECESSED CEILING FIXTURE - RATED FOR WET LOCATION
- RECESSED WALL WASH FIXTURE
- WALL MOUNTED FIXTURE
- EXTERIOR WALL MOUNTED FIXTURE
- WALL SCONCE
- FLOODLIGHT
- BATHROOM EXHAUST FAN
- CEILING FAN (OSC)
- UNDER CABINET/OVER DOOR LED STRIP LIGHT

GENERAL ELECTRICAL NOTES:

1. ELECTRICAL LAYOUT TO MEET REQUIREMENTS OF THE CURRENT NATIONAL ELECTRICAL CODE.
2. SMOKE DETECTORS ARE TO BE HARDWIRED TOGETHER SO THAT ACTIVATION OF ONE DETECTOR ACTIVATES ALL. PROVIDE BATTERY BACK-UPS.
3. INSTALL CARBON MINOXIDE DETECTOR ON EACH FLOOR
4. WIRE ENTIRE HOUSE FOR INTERNET SERVICE

APPROVED
Montgomery County
Historic Preservation Commission

REVIEWED
By Dan Bruechert at 2:08 pm, Aug 27, 2025

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ELECTRICAL PLANS

E1

CONCEALED FASTENER

GIBRALTAR
BUILDING ACCESSORIES DIVISION

SEM-LOK
METAL ROOFING

APPROVED

Montgomery County

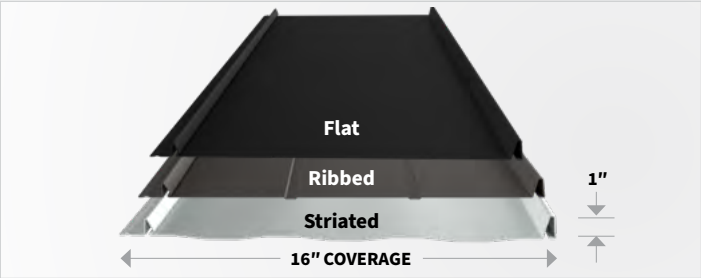
Historic Preservation Commission

REVIEWED
By Dan Bruechert at 3:36 pm, Aug 27, 2025

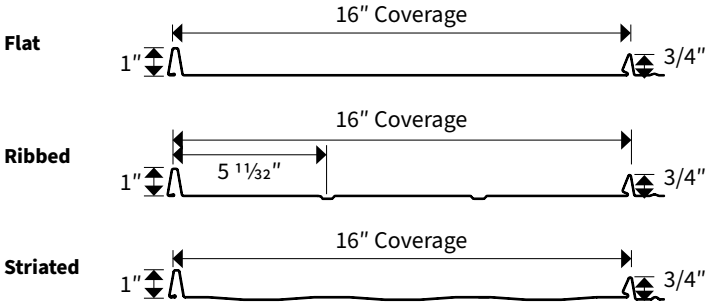
CONCEALED FASTENER ROOF SYSTEM

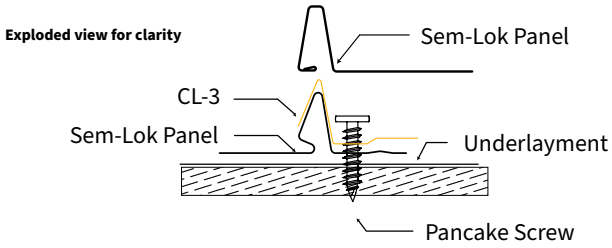
SEM-LOK METAL ROOFING

- Flat, Ribbed and Striated Profiles
- Concealed fastener system
- 1" Rib Height
- Recommend Roof Slope 3:12 or greater
- Provides 16 in. roof coverage
- Fire Resistant
- Suitable for Residential, Architectural and Commercial Applications
- Wide Variety of color panels and accessories
- Technical Support



PROFILE & SIDE LAP DETAIL





SPECIFICATIONS

Substrate	Min. 19/32" CDX Plywood inside Miami-Dade for new construction Min. 15/32" CDX Plywood for re-roofing Min. 15/32" CDX Plywood outside Miami-Dade	**Warranty**	• 40-year warranted Silicone Modified Polyester (SMP) • 45- year warranted 70% Fluoropolymer (PVDF) • 25-year warranted Acrylic coated Galvalume®, Mill Finish
Finish	• Silicone Modified Polyester (SMP) Paint • Fluoroplymer(PVDF) Paint • Bare Mill-Finished Galvalume®	**Approvals***	

Colors

SMP - 40-Year Paint Finish Warranty

Bright White	Polar White	Ivory	Light Gray	Smoke
Armadillo	Black	Black Crinkle	Light Stone	Timber Tan
Desert Sand	Brown	Burnished Slate	Crimson Red	Rustic Red
Hawaiian Blue	Gallery Blue	Colony Green	Pine	Copper Penny

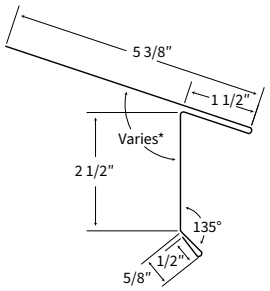
PVDF - 45-Year Paint Finish Warranty

Regal White	Snow White	Almond	Sandstone	Brownstone
Surrey Beige	Medium Bronze	Aged Bronze	Mansard Brown	Ash Gray
Slate Gray	Charcoal Gray	Dark Bronze	Matte Black	Regal Red
Colonial Red	Evergreen	Regal Blue	Pre-Weathered Galvalume	Copper Penny

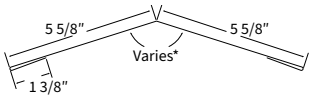
Manufacturer Locations	**Jacksonville , Florida (SEMCO)**	24 Gauge (PVDF Paint Finish), 26 Gauge (SMP Paint Finish)
	San Antonio, Texas (DOT)	Coming Soon!

*Please refer to detail manual for full information

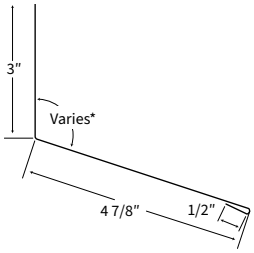
1. EAVE DRIP/EAVE FLASHING
ED-2/ED-2R/EF-5



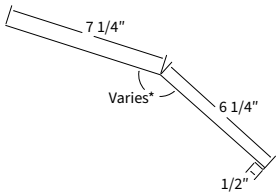
2. RIDGE/HIP CAP
RC-10



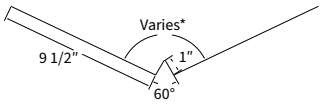
3. END WALL FLASHING
EW-3



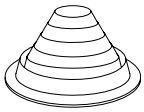
4. GAMBREL FLASHING
GF-2



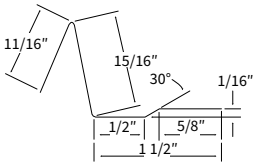
5. PREFORMED VALLEY
PV-3



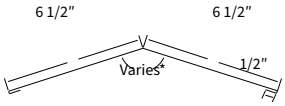
6. PIPE BOOT



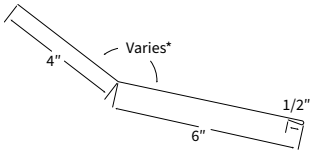
7. HVHZ CLEAT
CL-3



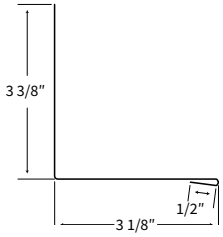
8. VENTED RIDGE
RC-20 (not pictured above)



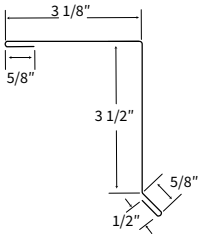
9. TRANSITION FLASHING
TF-2 (not pictured above)



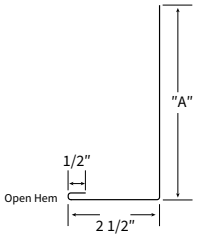
10. SIDE WALL FLASHING
SW-3 (not pictured above)



11. GABLE RAKE
GR-9 (not pictured above)



12. FASCIA COVER
FC-5/FC-7/FC-9
(not pictured above)



ACCESSORY TRIMS

- **Cleat** CL-1
- **Cleat** CL-2
- **Counter Flashing** CF-1
- **High Side Eave** HS-1
- **Reglet Flashing** RF-1

**Additional product details can be reviewed in the detail manual*

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Historic Preservation Commission

HOW TO ORDER

We strive to provide you the best product possible. To purchase this product or any accessories for your metal roofing n

Jacksonville, Florida

Service Areas
Alabama, Florida, Georgia, North Carolina, South Carolina, Tennessee

Job Site Delivery Available - All Service Areas*
** If manufacturer supplies equipment neccessary for jobsite delivery service area must be within 200 Miles from Jacksonville Plant Location.*

REVIEWED
By Dan Bruechert at 3:37 pm, Aug 27, 2025

dotcustomerservice@gibraltar1.com

Code Compliance Research Report
CCRR-0301

Issue Date: 03-20-2019
Revision Date: 03-13-2023
Renewal Date: 03-31-2024

DIVISION: 06 00 00 – WOOD, PLASTICS AND COMPOSITES
Section: 06 53 00 - Plastic Decking

REPORT HOLDER:
TREX COMPANY, INC.
160 Exeter Drive
Winchester, VA 22603
www.trex.com

REPORT SUBJECT:
TREX Enhance® Basics and Naturals composite deck boards
TREX Select® 1x6 and 2x6 composite deck boards
TREX Transcend® Tropicals and Earth Tones 1x6 and 2x6 composite deck boards
TREX Transcend® Lineage™ composite deck boards
TREX Signature® composite deck boards

APPROVED
Montgomery County
Historic Preservation Commission

REVIEWED
By Dan Bruechert at 3:37 pm, Aug 27, 2025

1.0 SCOPE OF EVALUATION

1.1 This Research Report addresses compliance with the following Codes:
- 2021 and 2018 *International Building Code®* (IBC)
- 2021 and 2018 *International Residential Code®* (IRC)

NOTE: This report references 2021 Code sections. Section numbers in earlier versions of the Codes may differ.

1.2 *TREX* deck boards have been evaluated for the following properties:
- Structural performance
- Durability
- Surface Burning
- Decay Resistance
- Termite Resistance
- Wind Uplift

1.3 *TREX* deck boards have been evaluated for the following uses:
- Exterior walking surface on exterior decks, balconies, porches walkways and stair tread.
- The deck boards identified in this report may be used in One- and Two-Family Dwellings regulated by the IRC and

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3.0 DESCRIPTION

3.1 *TREX* deck boards are co-extruded and semi-capped composite material composed of polyethylene and wood fiber.

3.2 *TREX Enhance® Basics and Naturals* solid and grooved edged boards measure a nominal 1 inch thick and 5-1/2 inch wide and have five flutes running the entire length along the bottom of the deck board. Grooved edge deck boards additionally include 5/16 inch deep by 1/8 inch high grooves on each of the long edges. See Figure 1.

3.2.1 *TREX Enhance® Basics and Naturals* are available in seven colors:

3.2.1.1 Basics are solid colors available as Saddle, Clam Shell and Beach Dune.

3.2.1.2 Naturals are a solid base color with streaks available as Rocky Harbor, Foggy Wharf, Toasted Sand, and Coastal Bluff.

3.3 *TREX Select®* are provided in two thicknesses; 1x6 measuring a nominal 5-1/2 inch wide and 7/8 inch thick, and 2x6 measuring a nominal 5-1/2 inch wide and 1-3/8 inch thick. See Figure 2. 1x6 grooved edge deck boards include a 5/16 inch deep by 1/8 inch high groove on each of the long edges.

3.3.1 *TREX Select®* are available in five colors: Madeira, Pebble Grey, Saddle, Woodland Brown.

3.4 *TREX Transcend®* Tropicals and Earth Tones are provided in two thicknesses; 1x6 measuring a nominal 5-1/2 inch wide and 15/16 inch thick, and 2x6 measuring a nominal 5-1/2 inch wide and 1-3/8 inch thick. See Figure 3. 1x6 grooved edge deck boards include a 5/16 in. deep by 1/8 in. high groove on each of the long edges.

3.4.1 *TREX Transcend® Tropicals and Earth Tones* are available in eight colors: Gravel Path, Vintage Lantern, Havana Gold, Island Mist, Lava Rock, Rope Swing, Spiced Rum, Tiki Torch.

3.5 *TREX Transcend® Lineage* measures nominally 5-1/2 inch wide and 15/16 inch thick. See Figure 4. Grooved edge deck boards include a 5/16 in. deep by 1/8 in. high groove on each of the long edges.

3.5.1 *TREX Transcend® Lineage* are available in four colors: Biscayne, Carmel, Jasper and Rainier.

3.6 *TREX Signature®* solid and grooved boards measure a nominal 1 in. thick and 5-1/2 in. wide. Grooved deck boards additionally include 5/16 in. deep by 1/8 in. high grooves on each of the long edges. The top surface has an embossed simulated wood-grain pattern.

3.6.1 *TREX Signature®* is available in two colors: Whidbey and Ocracoke.

4.0 PERFORMANCE CHARACTERISTICS

4.1 *TREX* deck boards are rated for uniform live load ratings as identified in Table 2.

4.2 Deck boards used as stair treads are rated for the code-prescribed concentrated load equal to 300 lbs. when installed with a maximum support spacing identified in Table 2. Deck boards used as stair treads shall be installed in a minimum two-span condition.

4.3 *TREX* deck boards have wind uplift resistance ratings as indicated in Table 2 with the fastening specified.

4.4 *TREX* deck boards have a flame spread index of less than 200 when tested in accordance with ASTM E84.

4.5 Materials are deemed equivalent to preservative treated or naturally durable wood for resistance to weathering effect, attack from termites, and fungus decay.

4.6 Structural performance has been demonstrated for a temperature range from -20 °F to 125 °F.

5.0 INSTALLATION

5.1 *TREX* deck boards must be installed in accordance with the manufacturer's published installation instructions, the applicable Code, and this Research Report. A copy of the manufacturer's instructions must be available on the jobsite during installation**.**

5.2 Decking can be installed on full runs or uniformly staggered on the deck support structure. See Table 1 for fastening descriptions and uplift ratings.

6.0 CONDITIONS OF USE

6.1 Installation must comply with this Research Report, the manufacturer's published installation instructions, and the applicable Code. In the event of a conflict, this report governs.

6.2 Deck boards placed at an angle other than 90 degrees to the supporting joist will require support framing at a reduced spacing such that the span of the deck board does not exceed the maximum span in Table 2.

6.3 The wind uplift resistance rating recognized in this report is based on attachment to treated Southern Pine framing (specific gravity, G=0.55). Installation on wood framing with a lesser specific gravity may result in a lower wind uplift rating.

6.4 Where required by the building official, engineering calculations and details shall be provided. The calculation shall verify that the anchorage complies with the building code for the type of framing and condition of the supporting construction.

6.5 Compatibility of the supporting construction materials with all metal fasteners are subject to approval by the code official.

6.6 The deck board has not been evaluated for use in areas subject to Formosan termite attack.

6.7 The *TREX* deck boards are manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc.

7.0 SUPPORTING EVIDENCE

7.1 Manufacturer's drawings and installation instructions.

7.2 Reports of testing in accordance with ICC-ES AC174, *Acceptance Criteria for Deck Board Span Ratings and Guardrail Systems (Guards and Handrails)*, revised December 2014.

7.3 The reports of testing and engineering analysis demonstrating compliance with the performance requirements of ASTM D7032-17, *Standard Specification for Establishing Performance Ratings for Wood-Plastic Composite and Plastic Lumber Deck Boards, Stair Treads, Guards, and Handrails* and ANSI/AWC NDS-2015 – Wind Uplift Analysis.

7.4 Documentation of an Intertek approved quality control system for the manufacturing of products recognized in this report.

8.0 IDENTIFICATION

The *TREX* deck boards are identified with the manufacturer's name (*TREX Company, Inc.)* the website address www.trex.com, the product name, the Intertek Mark as shown below and, the Code Compliance Research Report number (CCRR-0301).

9.0 OTHER CODES

This section is not applicable.

10.0 CODE COMPLIANCE RESEARCH REPORT USE

10.1 Approval of building products and/or materials can only be granted by a building official having legal authority in the specific jurisdiction where approval is sought.

10.2 Code Compliance Research Reports shall not be used in any manner that implies an endorsement of the product by Intertek.

10.3 Reference to the https://bpdirectory.intertek.com is recommended to ascertain the current version and status of this report.

Table 1 – Fastening Schedule and Wind Uplift Ratings

Product		Fastening Description	Wind Uplift Resistance
Trex Enhance® Basics and Naturals	Solid	Two #8 x 2-1/2 in. stainless steel screws on support framing spaced 16 in. on center	150 psf
	Grooved	Trex Hideaway Hidden Fastener system on support framing spaced 16 in. on center using one #8 x 1-5/8 in. trim head stainless screw as supplied with the clips. Stainless steel Trex® Hideaway® Start Clips are attached to the ledger board at each joist location with one #8-10 x 1-5/8" star drive stainless screw. See Figure 6.	139 psf
Trex Select®	*1x6* Solid	Two #10 x 2-3/4 inch TrapEase II Composite Deck Screws on support framing spaced 16 inch span	724 psf
	1x6 Grooved	Trex Hideaway Hidden Fastener system on support framing spaced 16 in. on center using one #8 x 1-5/8 in. trim head stainless screw as supplied with the clips. Stainless steel Trex® Hideaway® Start Clips are attached to the ledger board at each joist location with one #8-10 x 1-5/8" star drive stainless screw. See Figure 4.	117 psf
	2x6 Solid	Two #8 (0.178 in. major dia.), 2-1/2 inch long HEADDCOTE stainless steel screws on support framing spaced 16 in. on center	429 psf
		Two #8 (0.178 in. major dia.), 2-1/2 inch long HEADDCOTE stainless steel screws on support framing spaced 24 in. on center	286 psf
Trex Transcend® Tropical and Earth Tones	*1x6* Solid	Two #8 (0.178 in. major dia.), 2-1/2 inch long HEADDCOTE stainless steel screws on support framing spaced 16 in. on center	561 psf
	1x6 Grooved	Trex Hideaway Hidden Fastener system on support framing spaced 16 in. on center using one #8 x 1-5/8 in. trim head stainless screw as supplied with the clips. Stainless steel Trex® Hideaway® Start Clips are attached to the ledger board at each joist location with one #8-10 x 1-5/8" star drive stainless screw. See Figure 6.	131 psf
	2x6 Solid	Two #8 (0.178 in. major dia.), 2-1/2 inch long HEADDCOTE stainless steel screws on support framing spaced 16 in. on center	429 psf
		Two #8 (0.178 in. major dia.), 2-1/2 inch long HEADDCOTE stainless steel screws on support framing spaced 24 in. on center	286 psf
Trex Transcend® Lineage	Solid	Two #8 (0.178 in. major dia.), 2-1/2 inch long HEADDCOTE stainless steel screws on support framing spaced 16 in. on center	561 psf
	Grooved	Trex Hideaway Hidden Fastener system on support framing spaced 16 in. on center using one #8 x 1-5/8 in. trim head stainless screw as supplied with the clips. Stainless steel Trex® Hideaway® Start Clips are attached to the ledger board at each joist location with one #8-10 x 1-5/8" star drive stainless screw. See Figure 6.	131 psf
Trex Signature	Solid	Two TrapEase II® composite deck screws	150 psf
	Grooved	Trex Hideaway Hidden Fastener system on support framing spaced 16 in. on center using one #8 x 1-5/8 in. trim head stainless screw as supplied with the clips. Stainless steel Trex® Hideaway® Start Clips are attached to the ledger board at each joist location with one #8-10 x 1-5/8" star drive stainless screw. See Figure 6.	117 psf

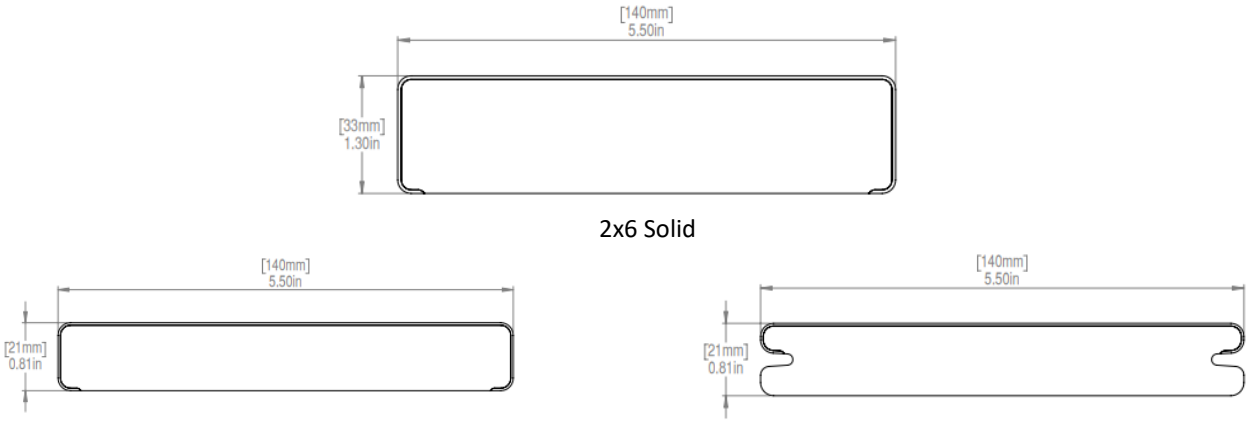
Table 2 – Span/Load and Stair Tread Span Ratings

Product	Span/Load Rating (inches/psf)	Maximum Stair Tread Span[(1)]
Trex Enhance® Basics and Naturals	16/100	9 inches
Trex Select® 1x6	16/100	12 inches
Trex Select® 2x6	16/200, 24/100	16 inches
Trex Transcend® Tropical and Earth Tones 1x6	16/100	12 inches
Trex Transcend® Tropicals and Earth Tones 2x6	16/200, 24/100	16 inches
Trex Transcend Lineage	16/100	12 inches
Trex Signature	16/100	12 inches

[(1)] Deck boards used as stair treads shall be installed in a minimum two-span condition.

Solid Grooved

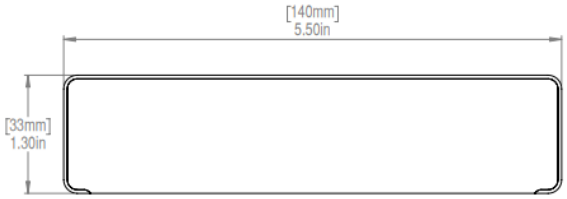
FIGURE 1 – *ENHANCE® BASICS AND NATURALS* DECK BOARD



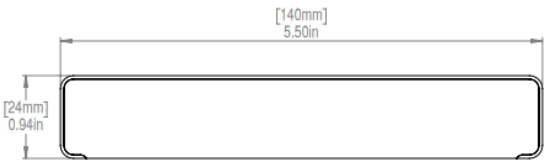
2x6 Solid

1x6 Solid 1x6 Grooved

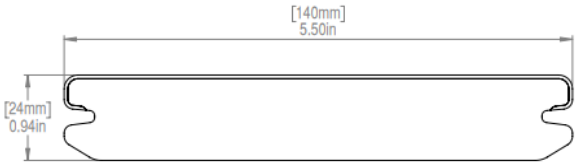
FIGURE 2 – *SELECT®* 2X6 AND 1X6 DECK BOARD



2x6 Solid

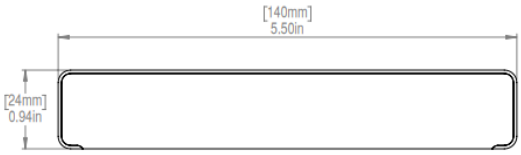


1x6 Solid

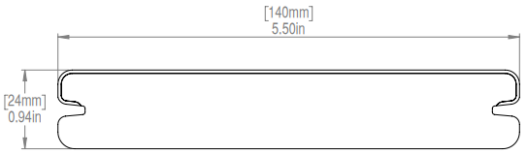


1x6 Grooved

FIGURE 3 – *TRANSCEND® TROPICALS AND EARTH TONES* 2X6 AND 1X6 DECK BOARD

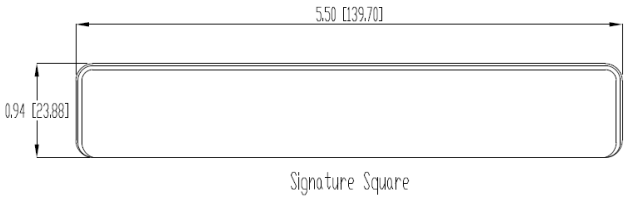


1x6 Solid

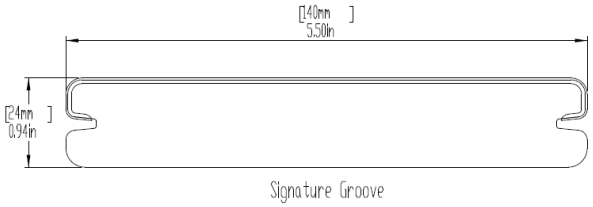


1x6 Grooved

FIGURE 4 – *TRANSCEND® LINEAGE™* DECK BOARD



Solid



Grooved

FIGURE 5 – *SIGNATURE®* DECK BOARDS

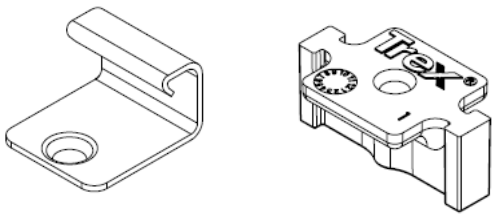


FIGURE 6 – *START CLIP* (LEFT) AND *TREX HIDEAWAY FASTENER* (RIGHT) FOR GROOVED EDGE DECK BOARDS

Code Compliance Research Report
CCRR-0132

Issue Date: 12-01-2008
Revision Date: 03-27-2025
Renewal Date: 03-31-2026

DIVISION: 06 00 00 – WOOD, PLASTICS AND COMPOSITES
Section: 06 63 00 – Plastic Railings

REPORT HOLDER:
Trex® Company, Inc.
2500 Trex Way
Winchester, VA 22601
(540) 542-6300
www.trex.com

REPORT SUBJECT:
***Trex Transcend®* Railing**
***Trex Select®* Railing**
***Trex Enhance®* Railing**

1.0 SCOPE OF EVALUATION

1.1 This Research Report addresses compliance with the following Codes:

- 2024, 2021 and 2018 *International Building Code®* (IBC)
- 2024, 2021 and 2018 *International Residential Code®* (IRC)

NOTE: This Report references 2024 Code sections. Section numbers in earlier versions of the Codes may differ.

1.2 *Trex® Transcend®*, *Select®* and *Enhance®* railing systems have been evaluated for the following properties:

- Structural Performance
- Durability
- Surface Burning
- Decay Resistance
- Termite Resistance

1.3 *Trex® Transcend®*, *Select®* and *Enhance®* railing systems have been evaluated for the following uses:

- *Trex® Transcend®*, *Select®* and *Enhance®* railing systems are guardrails (guards) under the definitions of the referenced Codes and are intended for use on elevated walking areas in buildings and walkways, including stairs and ramps, as required by the referenced Codes.
- Guardrail systems are provided as level guards for level walking areas such as decks, balconies and porches, and sloped guards for open sides of stairways.
- Guardrail systems recognized in this Report may be used in One- and Two-Family Dwellings regulated by the IRC and all construction types regulated by the IBC in accordance with IBC Sections 705.2.2 and 705.2.3.1, Exceptions 2 and 3. Guardrails less than 42" high are limited to use in One- and Two-Family Dwellings (IRC). See Table 1 for additional restrictions based upon Use and Occupancy Classification.

2.0 STATEMENT OF COMPLIANCE

Trex® Transcend®, *Select®* and *Enhance®* railing systems comply with the Codes listed in Section 1.1, for the properties stated in Section 1.2 and uses stated in Section 1.3, when ins itions of

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Historic Preservation Commission

3.0

luster , post dings.

posite pacers either w or aluminum extrusions. Rail b and decorative moldings are injection-m

REVIEWED
By Dan Bruechert at 3:37 pm, Aug 27, 2025

3.3 *Trex® Transcend®* railing is produced in Classic White, Charcoal Black, Gravel Path, Rope Swing, Tree House and Vintage Lantern, consisting of the following components (see Figure 2):

3.3.1 The top rail is a crown profile with overall dimensions of 3.312" wide by 2.453" tall.

3.3.2 The bottom rail is an "H" profile with overall dimensions of 3.000" wide by 2.004" tall.

3.3.3 Infill Options:

3.3.3.1 Balusters are available in a 1.418" square composite profile, 0.750" square aluminum profile or 0.750" round aluminum profile. Balusters are inserted into holes in baluster spacers snapped into the top and bottom rails. Rail inserts are installed into the top and bottom rails when using aluminum balusters.

3.3.3.2 Glass panel of 1/4 inch thick tempered glass. The glass panel is inserted into the top rail and slides up, to clear the bottom rail. The glass panel is aligned with the bottom insert and pushed down into the insert.

3.3.4 Rails are attached to posts with nylon brackets.

3.3.5 The post sleeve is a 4.450" square profile with three internal ribs on each wall.

3.4 *Trex® Select® Classic* railing is produced in Classic White and Charcoal Black, and *Trex Enhance®* railing is produced in Classic White, Charcoal Black, Saddle and Vintage Lantern. Both railing systems consist of the following components (see Figure 4):

3.4.1 The top and bottom rails are rectangular profiles with overall dimensions of 2.750" wide by 2.000" tall. The top rail is oriented flatwise, and the bottom rail is oriented edgewise.

3.4.2 Balusters are only available in a 0.750" round aluminum profile.

3.4.3 Rails are attached to posts with nylon brackets.

3.4.4 The post sleeve is a 4.450" square profile with three internal ribs on each wall.

3.5 *Trex® Select® T-Rail* railing is produced in Classic White. The railing system consist of the following components (see Figure 6):

3.5.1 The top rail is a T-shaped profile with top width of 3.500" and overall height of 2.960"

3.5.2 Balusters are available in a 1.000" square composite profile and a 0.750" round aluminum profile.

3.5.3 Rails are attached to posts with nylon brackets.

3.5.4 The post sleeve is a 4.450" square profile with three internal ribs on each wall.

4.0 PERFORMANCE CHARACTERISTICS

4.1 The guardrail systems described in this Report have demonstrated the capacity to resist the design loadings specified in Chapter 16 of the IBC and Section R301 of the IRC when tested in accordance with ICC-ES AC174 and ASTM D7032.

4.2 Structural performance has been demonstrated for a temperature range from -20 °F to 125 °F.

4.3 Materials used are deemed equivalent to preservative treated or naturally durable wood for resistance to weathering effects, decay and attack from termites. See Section 6.6 for limitations.

4.4 Materials used have a flame spread index of less than 200 when tested in accordance with ASTM E84.

5.0 INSTALLATION

5.1 General

Trex Transcend®, *Select®* and *Enhance®* railing systems must be installed in accordance with the manufacturer's published installation instructions, the applicable Code and this Research Report. A copy of the manufacturer's instructions must be available on the jobsite during installation.

5.2 *Trex® Transcend®* Railing (Figure 1)

5.2.1 The top and bottom rails are attached via bracket connections to conventional 4x4 wood posts covered with composite post sleeves. See Table 2 for fastening schedule.

5.2.2 Baluster spacers are snapped into the top and bottom rails and secured by a friction fit, and balusters are inserted into holes punched in the baluster spacers. When using aluminum balusters, rail inserts are installed into the top and bottom rails prior to installing the baluster spacers.

5.2.3 The foot block is an adjustable support installed between the deck surface and bottom rail using one #8-10 x 1-1/4" bugle head wood screw. At least one foot-block shall be installed at the midspan of the railing. For IBC use at spans over 6' OC, two foot-blocks shall be installed at the one-third points of the railing.

5.3 *Trex® Select® Classic/Enhance®* Railing (Figure 3)

5.3.1 The top and bottom rails are attached via bracket connections to conventional 4x4 wood posts covered with composite post sleeves. See Table 2 for fastening schedule.

5.3.2 Balusters are inserted into holes routed in the top and bottom rails.

5.3.3 The foot block is an adjustable support installed between the deck surface and bottom rail using one #8-10 x 1-1/4" bugle head wood screw. One foot block shall be installed at the midspan of the railing.

5.4 *Trex® Select® T-Rail* Railing (Figure 5)

5.4.1 The top and bottom rails are attached via bracket connections to conventional 4x4 wood posts covered with composite post sleeves. See Table 2 for fastening schedule.

5.4.2 Balusters are inserted into holes routed in the top and bottom rails.

5.4.3 The foot block is an adjustable support installed between the deck surface and bottom rail using one #8-10 x 1-1/4" bugle head wood screw. One foot block shall be installed at the midspan of the railing.

5.5 The wood in the supporting structure, including support posts, shall have a specific gravity of 0.55 or greater (Southern Yellow Pine or better) and a minimum thickness to allow full penetration of the bracket mounting screws.

6.0 CONDITIONS OF USE

6.1 Installation must comply with this Research Report, the manufacturer's published installation instructions and the applicable Code. In the event of a conflict, this Report governs.

6.2 See Section 1.3 for construction types and use classifications.

6.3 Conventional wood supports, including support posts for guardrails, are not within the scope of this Report and are subject to evaluation and approval by the building official. Supports must satisfy Section R507.10 of the 2024 IRC, satisfy the design load requirements specified in Chapter 16 of the IBC, and must provide suitable material for anchorage of the rail brackets. Where required by the building official, engineering calculations and details shall be provided.

6.4 Only those types of fasteners and fastening methods described in this Report have been evaluated for the installation of the products listed in Section 1.0; other methods of attachment are outside the scope of this Report.

6.5 Compatibility of fasteners and other metallic components with the supporting structure, including chemically treated wood, is not within the scope of this Report.

6.6 The wood-plastic composite material used in the *Trex®* guardrail systems described in this Report has not been evaluated for use in areas subject to Formosan termite attack.

6.7 The glass infill panel of railings are considered a hazardous location as defined by Sections 2406.4 of the IBC. Glass must be identified by permanent etching as required by Section 2406.3 of the IBC. Each section of glass must bear the manufacturer's name or mark and the applicable test standard (Class A of ANSI Z97.1 and Category II of 16 CFR 1201). Railings with glass infill are not approved for use in wind-borne debris regions as defined by the IBC in accordance with Section 2407.1.4.

6.8 *Trex®* railing systems are manufactured in Winchester, VA, in accordance with the manufacturer's approved quality control system, with inspections by Intertek Testing Services, Inc.

7.0 SUPPORTING EVIDENCE

7.1 Drawings and installation instructions submitted by the manufacturer.

7.2 The reports of testing and engineering analysis demonstrating compliance with the performance requirements of ICC-ES AC174, *Acceptance Criteria for Deck Board Span Ratings and Guardrail Systems (Guards and Handrails)*, approved January 2012, editorially revised April 2024.

7.3 The reports of testing and engineering analysis demonstrating compliance with the performance requirements of ASTM D7032-21, *Standard Specification for Establishing Performance Ratings for Wood-Plastic Composite and Plastic Lumber Deck Boards, Stair Treads, Guards, and Handrails*; with additional testing including increased test loads to address 2021 IBC Section 2407.1.1 for assemblies that utilize a glass infill panel.

7.4 Documentation of an Intertek-approved quality control system for the manufacturing of products recognized in this Report.

8.0 IDENTIFICATION

The *Trex®* railing systems described in this Report shall be identified with labeling on the packaging to include the following:

8.1 Name and/or trademark of the manufacturer and the manufacturer's web address.

8.2 The following statement: "See CCRR-0132 at bpdirectory.intertek.com for use and performance levels." For railing systems limited to IRC use in Table 1, the label shall also include the phrase, "For Use in One- and Two-Family Dwellings Only."

8.3 The Intertek Code Compliance Research Report mark and number (CCRR-0132).

CODE COMPLIANCE
Intertek
CCRR-0132

9.0 OTHER CODES

This section is not applicable.

10.0 CODE COMPLIANCE RESEARCH REPORT USE

10.1 Approval of building products and/or materials can only be granted by a building official having legal authority in the specific jurisdiction where approval is sought.

10.2 Code Compliance Research Reports shall not be used in any manner that implies an endorsement of the product by Intertek.

10.3 Reference to https://bpdirectory.intertek.com is recommended to ascertain the current version and status of this Report.

TABLE 1 – LEVEL GUARDRAIL SYSTEM BUILDING CODE RECOGNITION

Guardrail System	Balusters	Guardrail System Size (Length x Height) [(1)]	Number of Foot Blocks	Code Recognition
Trex Transcend®	1.418” Square Composite Baluster or 0.750” Round Aluminum Baluster	72" x 36"	1	IRC – One- and Two-Family Dwellings
		72" x 42"	1	IRC – One- and Two-Family Dwellings IBC – All Use Groups
		96” x 36”	1	IRC – One- and Two-Family Dwellings
		96” x 42”	1	IRC – One- and Two-Family Dwellings
	1/4" thick, 36" tall, 59-1/2" wide, Tempered Glass Panel	68” x 42”	1	IRC – One- and Two-Family Dwellings
Trex Select® Classic	0.750” Round Aluminum Baluster	72" x 36"	1	IRC – One- and Two-Family Dwellings
		72" x 42"	1	IRC – One- and Two-Family Dwellings
		96” x 36” (see Note 2)	1	IRC – One- and Two-Family Dwellings
		96” x 42” (see Note 2)	1	IRC – One- and Two-Family Dwellings
Trex Select® T-Rail	1.000” Square Composite Baluster or 0.750” Round Aluminum Baluster	72" x 36"	1	IRC – One- and Two-Family Dwellings
		72" x 42"	1	IRC – One- and Two-Family Dwellings
		96” x 36” (see Note 3)	1	IRC – One- and Two-Family Dwellings
		96” x 42” (see Note 3)	1	IRC – One- and Two-Family Dwellings

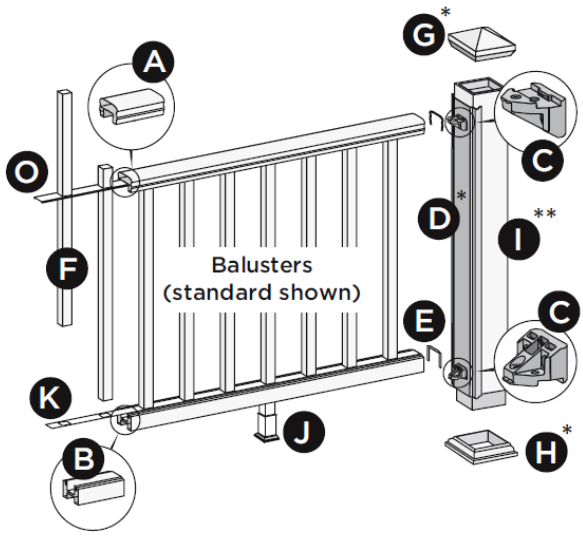
TABLE 1 – LEVEL GUARDRAIL SYSTEM BUILDING CODE RECOGNITION (CONTINUED)

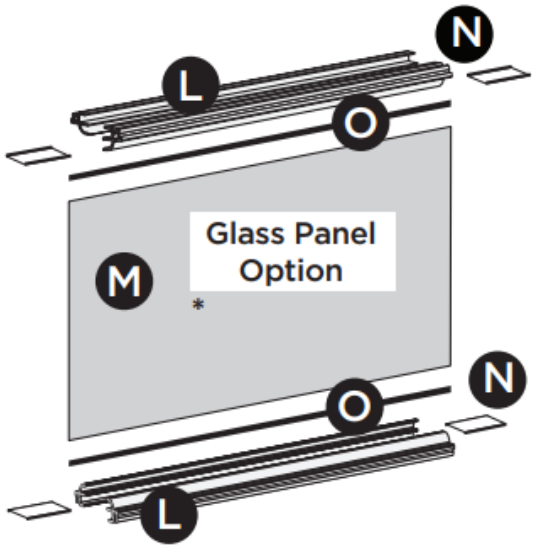
Trex Enhance®	0.750” Round Aluminum Baluster	72” x 36”	1	IRC – One- and Two-Family Dwellings
		72” x 42”	1	IRC – One- and Two-Family Dwellings
		96” x 36” (see Note 2)	1	IRC – One- and Two-Family Dwellings
		96” x 42” (see Note 2)	1	IRC – One- and Two-Family Dwellings

(1)Level railing length is the maximum clear length between supports. Railing height is the minimum installed height from the walking surface to the top of the top rail.
(2)Guardrail system length greater than 72" requires aluminum reinforcement in top rail (see Figure 4).
(3)Guardrail system length greater than 72" requires aluminum reinforcement in top rail (see Figure 6).

TABLE 2 – GUARDRAIL ASSEMBLY/FASTENING SCHEDULE

Connection	Fasteners
Trex Transcend®	
Rail Bracket to Post	Two #8-10 x 2” bugle head, #2 square drive, coated, steel wood screws
Rail Bracket to Rail	Three #8-18 x 1-1/4” pan head, #2 square drive, coated, steel self-drilling screws
Balusters to Rails	Inserted into holes in baluster spacers snapped into rails
Glass Infill Panel to Rails	Inserted into rails by snapping into the panel support molding
Foot Block to Bottom Rail	Inserted into pre-drilled hole in rail
Trex Select® Classic/Enhance®	
Rail Bracket to Post	Two #9-16 x 2” bugle head, #2 square drive, coated, steel wood screws
Rail Bracket to Rail	Three #8-18 x 1” pan head, #2 square drive, coated, steel self-drilling screws
Balusters to Rails	Inserted into holes in rails
Foot Block to Bottom Rail	Inserted into pre-drilled hole in rail
Trex Select® T-Rail	
Top Rail Bracket to Post	Two #9-16 x 2" flat head, #2 square drive, coated, steel screws
Top Rail Bracket to Rail	Four #8-18 x 1" pan head, #2 square drive, coated, steel self-drilling screws
Bottom Rail Bracket to Post	Two #9-16 x 2" flat head, Phillips drive, coated, steel screws
Bottom Rail Bracket to Rail	Three #8-18 x 1" pan head, #2 square drive, coated, steel self-drilling screws
Balusters to Rails	Inserted into holes in rails
Foot Block to Bottom Rail	Inserted into pre-drilled hole in rail

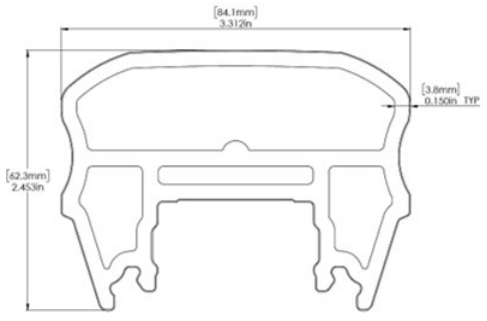




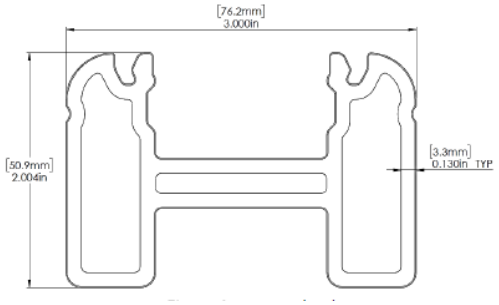
A. Crown or Universal Rail
B. Universal Rail
C. Railing Support Bracket (RSB)
D. TrexExpress™ Railing Assembly Template*
E. Rail gaskets
F. Balusters
G. Post sleeve cap*
H. Post sleeve skirt*
I. Post sleeve – 4″ x 4″ (102 mm x 102 mm) or 6″ x 6″ (152 mm x 152 mm)**
J. Adjustable foot block (quantity of one is required for all railing span lengths)
K. Baluster spacer

Trex Transcend Glass Panel Parts List
L. Panel support molding
M. Tempered glass panel*
N. Panel support molding spacer
O. Weather-stripping

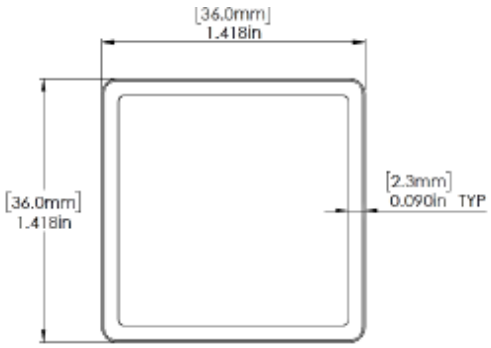
FIGURE 1 – *TREX® TRANSCEND®* RAILING ASSEMBLY



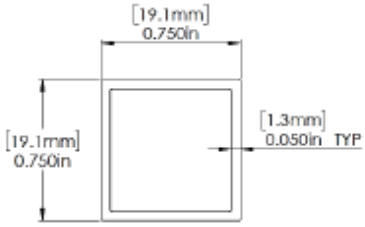
Top (Crown) Rail



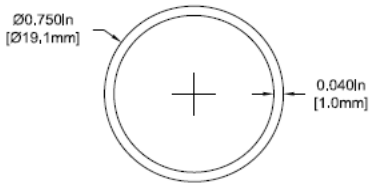
Bottom (Universal) Rail



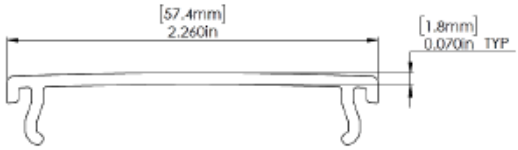
Square Composite Baluster



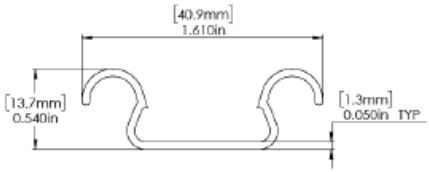
Square Aluminum Baluster



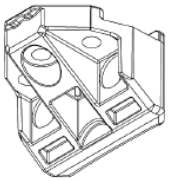
Round Aluminum Baluster



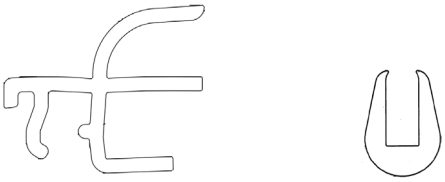
Baluster Spacer



Rail Insert (For Aluminum Balusters Only)

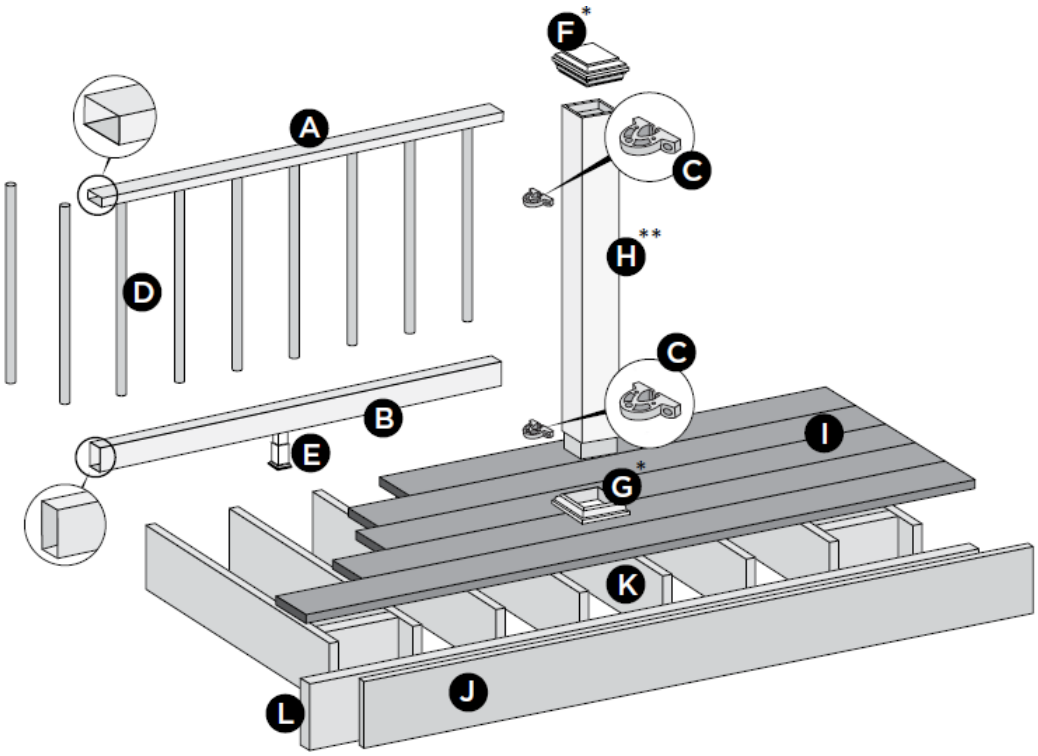


Rail Bracket



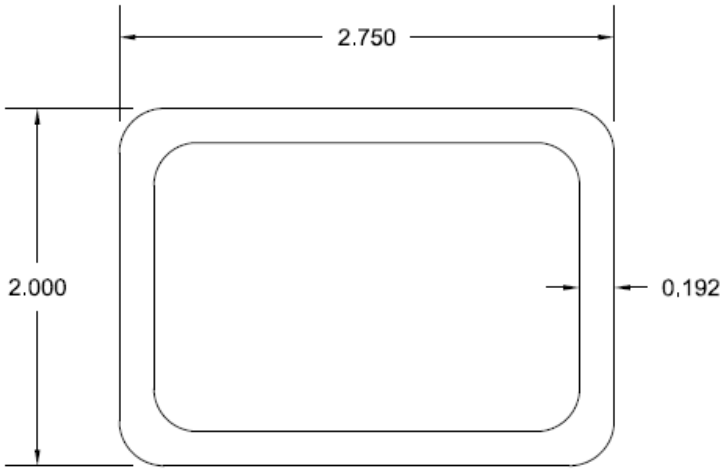
Glass Panel Support Molding and Gasket

FIGURE 2 – *TREX® TRANSCEND®* GUARDRAIL COMPONENTS

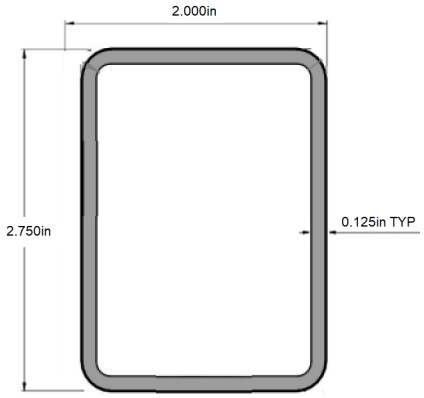


A. Top Rail
B. Bottom Rail
C. Brackets
D. Aluminum Round Balusters
E. Adjustable Foot Block
F. Post Sleeve Cap*
G. Post Sleeve Skirt*
H. Post Sleeve**
   - 4″ x 4″ x 48″
I. Trex Decking
J. Trex Fascia
K. Code-approved Wood Joist***
   - 2″ x 8″
L. Code-approved Wood Rim Joist***
   - 2″ x 8″ or Larger

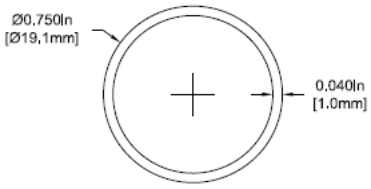
FIGURE 3 – *TREX® SELECT® CLASSIC/ENHANCE®* RAILING ASSEMBLY



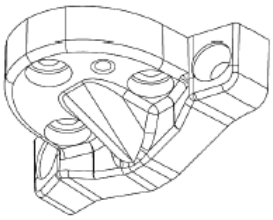
Top Rail



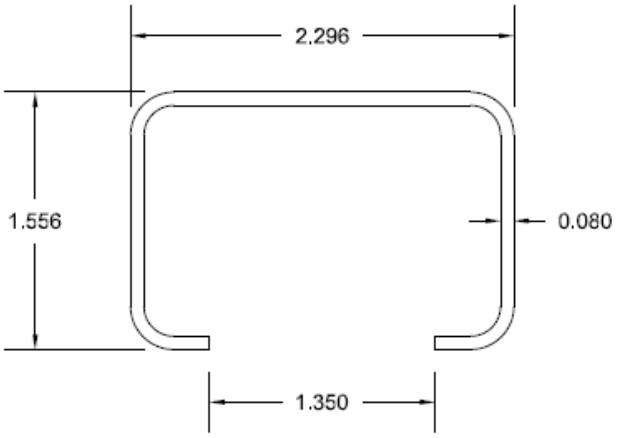
Bottom Rail



Round Aluminum Baluster

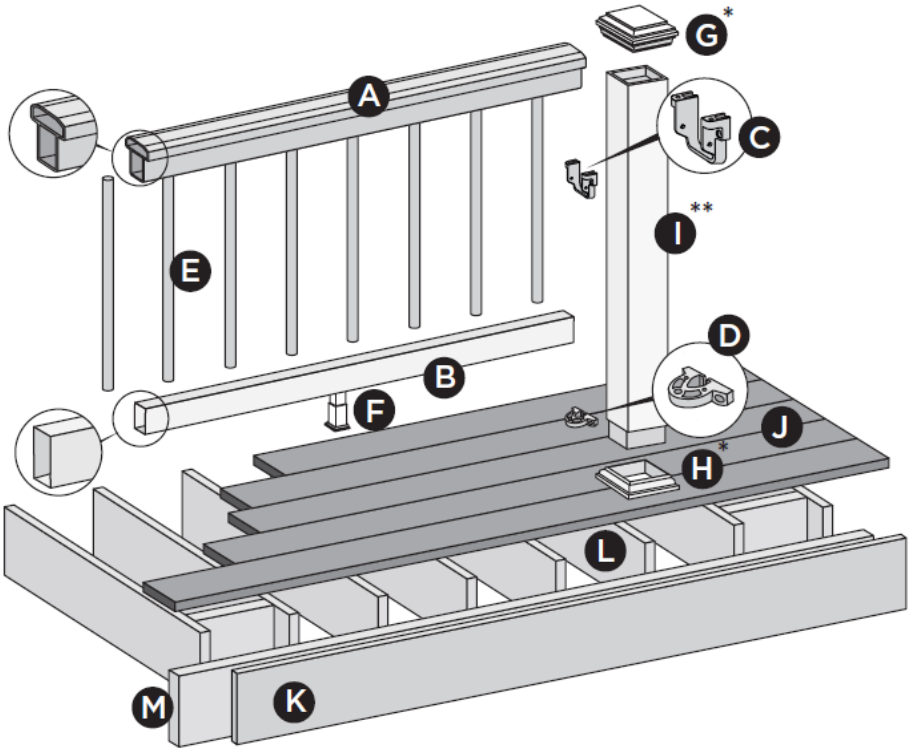


Rail Bracket



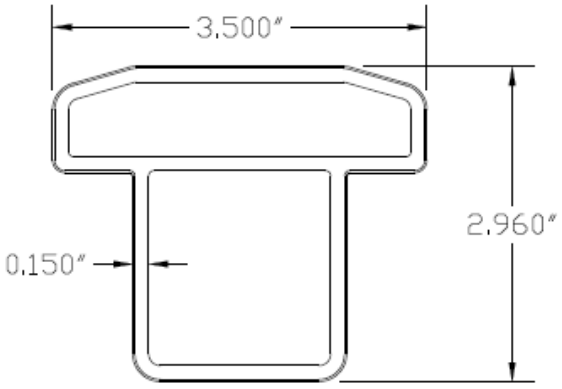
Top Rail Aluminum Reinforcement

FIGURE 4 – *TREX® SELECT® CLASSIC/ENHANCE®* GUARDRAIL COMPONENTS

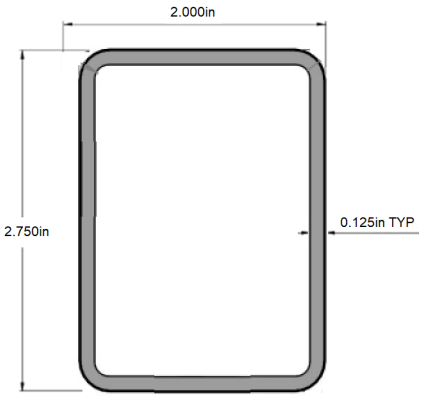


A. T-Rail
B. Bottom Rail
C. T-Rail Brackets
D. Bottom Rail Brackets
E. Balusters
F. Adjustable Foot Block
G. Post Sleeve Cap*
H. Post Sleeve Skirt*
I. Post Sleeve**- 4″ x 4″ x 48″
J Trex Decking
K. Trex Fascia
L. Code-approved Wood Joist - 2″ x 8″
M. Code-approved Wood Rim Joist - 2″ x 8″ or Larger

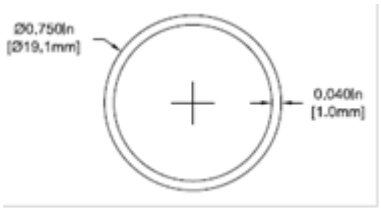
FIGURE 5 – *TREX® SELECT® T-RAIL* RAILING ASSEMBLY



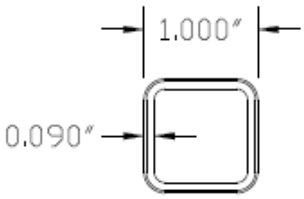
Top Rail



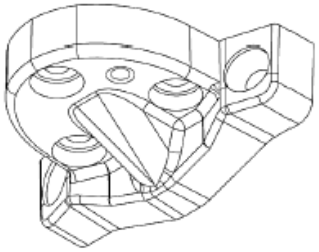
Bottom Rail



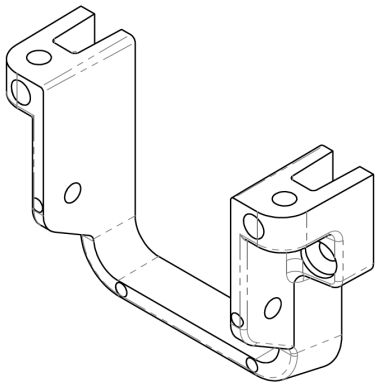
Round Aluminum Baluster



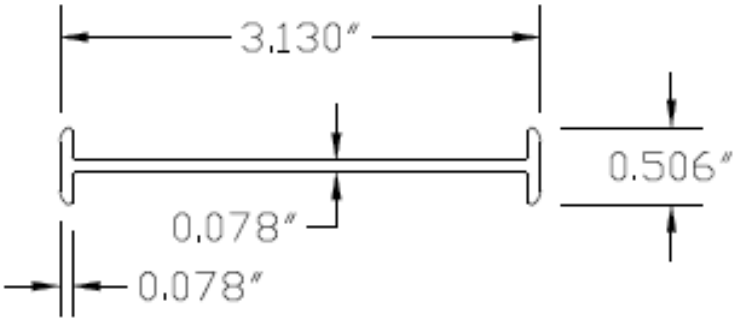
Square Composite Baluster



Bottom Rail Bracket



Top Rail Bracket



Top Rail Reinforcement

FIGURE 6 – *TREX® SELECT® T-RAIL* GUARDRAIL COMPONENTS

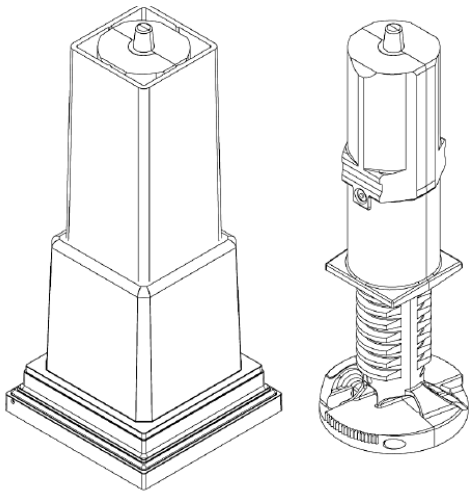


FIGURE 7 – FOOT BLOCK

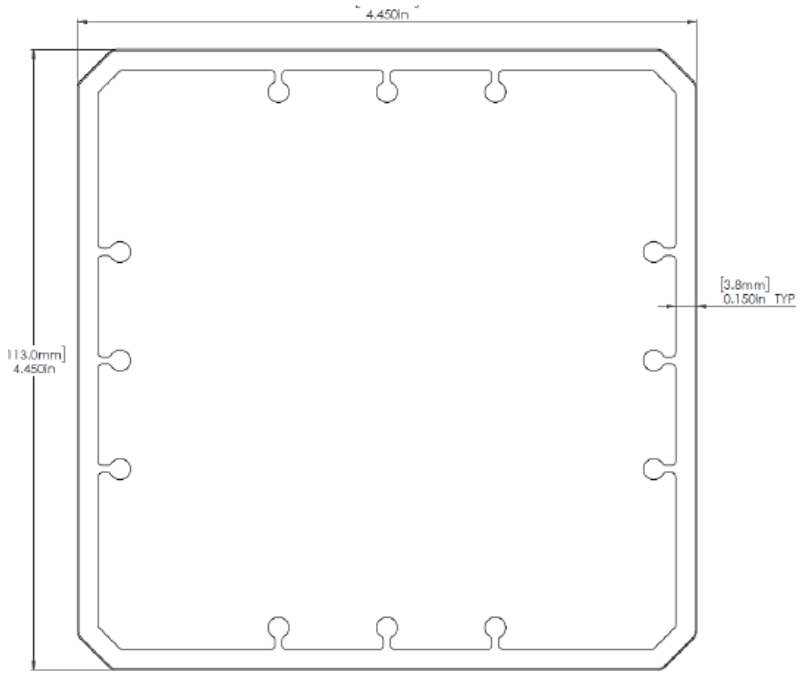


FIGURE 8 – 4X4 POST SLEEVE