



Building Permit Application

Howard County Maryland
 Department of Inspections, Licenses and Permits
 3430 Court House Drive
 Permits: 410-313-2455
 www.howardcountymd.gov

Date Received: _____

Permit No.: _____

Building Address: 14975 Old Frederick rd
 City: Woodbine State: MD Zip Code: 20797
 Suite/Apt. #: _____ SDP/WP/BA #: _____
 Subdivision: _____
 Lot: _____ Tax Map: 8 Parcel: 22

Existing Use: _____
 Proposed Use: Family room, garage
 Estimated Construction Cost: \$ 15,000
 Description of Work: Family room addition with covered porch

Garage addition with mud room and powder room

Occupant/Tenant Name: _____
 Was tenant space previously occupied? Yes No
 Contact Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Property Owner's Name: John Shaw
 Address: 14975 Old Frederick rd
 City: Woodbine State: MD Zip Code: 20797
 Phone: 443-812-3056 Fax: _____
 Email: JohnShaw901@gmail.com

Applicant's Name & Mailing Address, (if other than stated herein)
 Applicant's Name: John Shaw
 Address: 14975 Old Frederick rd
 City: Woodbine State: MD Zip Code: 20797
 Phone: 443-812-3056 Fax: _____
 Email: John Shaw 901@gmail.com

Contractor Company: OWNER to do work
 Contact Person: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 License No.: _____
 Phone: _____ Fax: _____
 Email: _____

Engineer/Architect Company: _____
 Responsible Design Prof.: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Commercial Building Characteristics	Residential Building Characteristics	
Height:	<input checked="" type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse	
No. of stories:	Depth	Width
Gross area, sq. ft./floor:	1 st floor: <u>46'9"</u>	<u>57'8"</u>
Area of construction (sq. ft.):	2 nd floor:	
Use group:	Basement: <u>32'11"</u>	<u>45'5"</u>
	<input type="checkbox"/> Finished Basement	
	<input checked="" type="checkbox"/> Unfinished Basement	
	<input checked="" type="checkbox"/> Crawl Space	
Construction type:	<input type="checkbox"/> Slab on Grade	
<input type="checkbox"/> Reinforced Concrete	No. of Bedrooms: <u>3</u>	
<input type="checkbox"/> Structural Steel	Multi-family Dwelling	
<input type="checkbox"/> Masonry	No. of efficiency units:	
<input type="checkbox"/> Wood Frame	No. of 1 BR units:	
<input type="checkbox"/> State Certified Modular	No. of 2 BR units:	
	No. of 3 BR units:	
	Other Structure:	
	Dimensions:	
<input checked="" type="checkbox"/> Roadside Tree Project Permit	Footings:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roof:	
Roadside Tree Project Permit #	<input type="checkbox"/> State Certified Modular	
	<input type="checkbox"/> Manufactured Home	

Utilities	
Electric:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Gas:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Water Supply	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Sewage Disposal	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Heating System	
<input checked="" type="checkbox"/> Electric	<input type="checkbox"/> Oil
<input type="checkbox"/> Natural Gas	<input type="checkbox"/> Propane Gas
<input type="checkbox"/> Other:	
Sprinkler System:	
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Grading Permit Number:	
Building Shell Permit Number:	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: John Shaw Print Name: John Shaw
 Email Address: JohnShaw901@gmail.com Date: 9/10/19
 Title/Company: owner

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
 PLEASE WRITE NEATLY & LEGIBLY
 -FOR OFFICE USE ONLY-

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health		<u>9/10/19 R. Buehler</u>

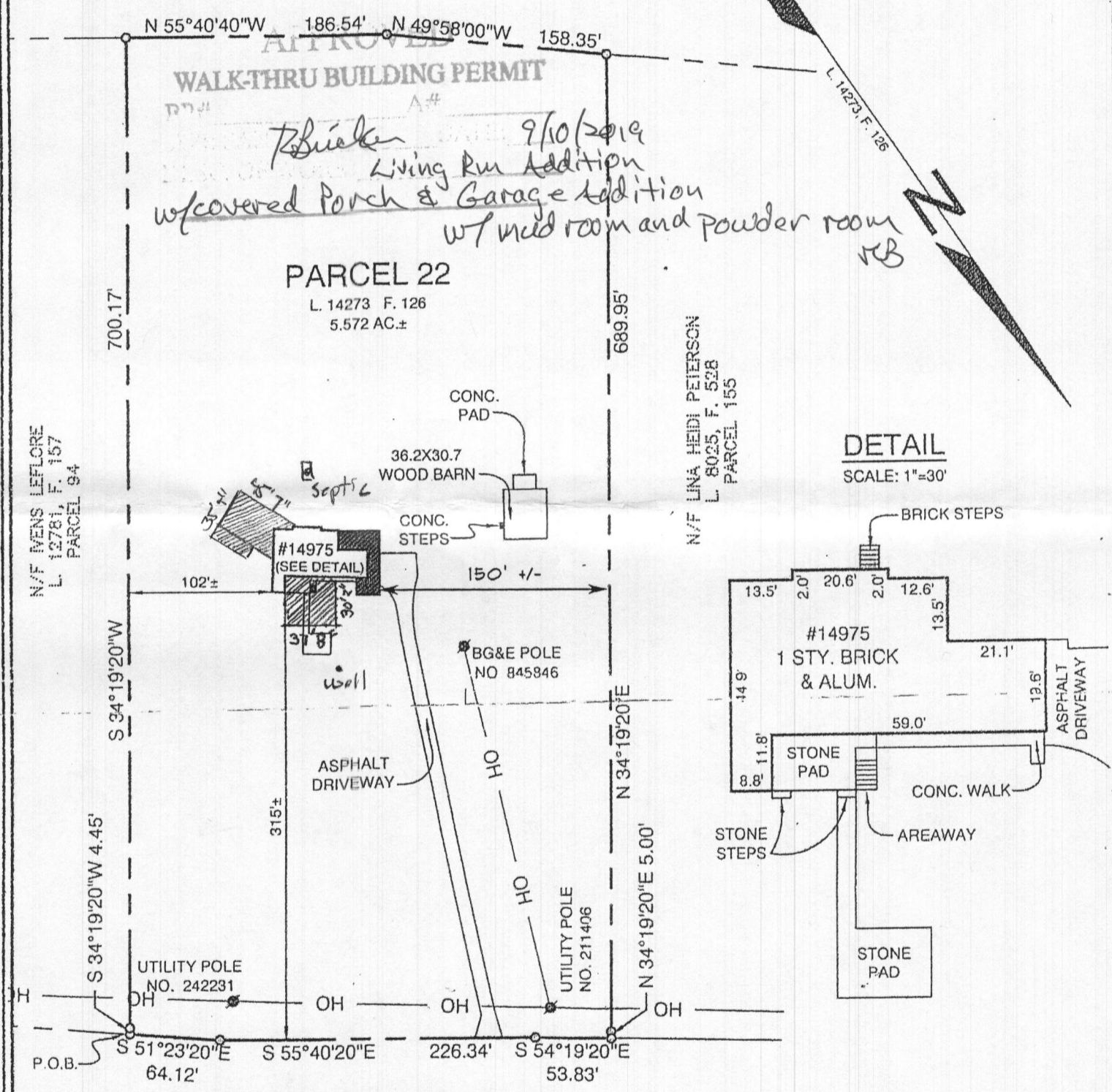
Is Sediment Control approval required for issuance? Yes No
 CONTINGENCY CONSTRUCTION START

DPZ SETBACK INFORMATION	
Front:	
Rear:	
Side:	
Side St.:	
All minimum setbacks met?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone:	
SDP/Red-line approval date:	

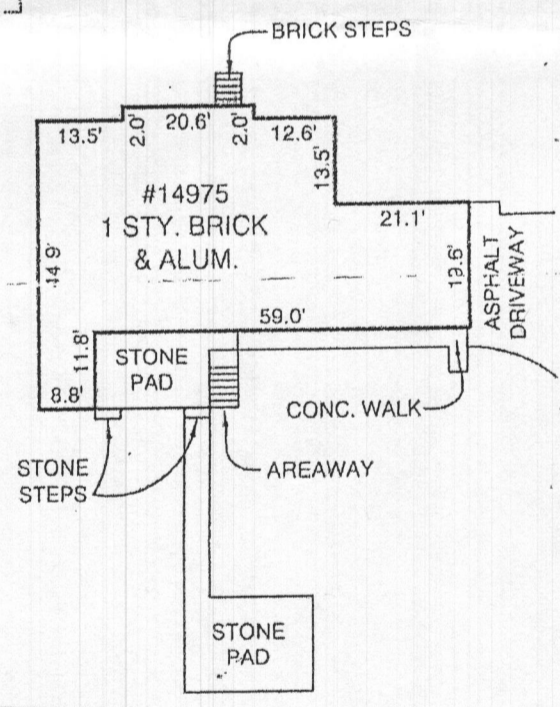
Filing Fee	\$ <u>25.00</u>
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$
Sub-Total Paid	\$
Balance Due	\$
Check	#

- NOTES:
- 1 THIS PLAT IS A BENEFIT TO THE CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR REFINANCING PURPOSES. THIS PLAT IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE STRUCTURES. THIS PLAT DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR FOR SECURING FINANCING OR REFINANCING.
 - 2 THE +/- SETBACK ACCURACY IS 1 FOOT
 - 3 THIS PLAN OR PLAT IS NOT INTENDED TO SHOW ALL MATTERS RELATED TO THE PROPERTY SHOWN HEREON.
 - 4 DEED PLOTTING ONLY.

INTERSTATE ROUTE 70
SRC PLAT NO. 40280



DETAIL
SCALE: 1"=30'



LOCATION DRAWING
14975 OLD FREDERICK ROAD
TAX MAP 8, PARCEL 22
LIBER 14273, FOLIO 126
ELECTION DISTRICT NO. 4
HOWARD COUNTY, MARYLAND

THIS LOT DOES NOT APPEAR TO LIE WITHIN THE 100 YEAR FLOOD PLAIN AS SHOWN ON THE F.E.M.A. FLOOD HAZARD MAP 240044-0008-B AS REVISED DECEMBER 4, 1986.

I HEREBY CERTIFY THAT I WAS IN RESPONSIBLE CHARGE OVER THE PREPARATION OF THIS LOCATION DRAWING AND THE SURVEY WORK REFLECTED HEREIN, IS IN COMPLIANCE WITH REQUIREMENTS SET FORTH IN THE CODE OF MARYLAND TITLE 9, SUBTITLE 13, CHAPTER 06, REGULATION 10, AND THE POSITION OF EXISTING IMPROVEMENTS AS SHOWN HEREON, ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

MICHAEL D. ADCOCK
PROFESSIONAL LAND SURVEYOR
No. 21257, EXPIRATION DATE: 06-16-2013

Sill · Adcock & Associates · LLC
Engineers · Surveyors · Planners
3300 North Ridge Road, Suite 160
Ellicott City, Maryland 21043
Phone: 443.325.7682 Fax: 443.325.7685
Email: mike@saaland.com

REFERENCE:	L. 14273, F. 126
DATE:	FEBRUARY 12, 2013
SCALE:	1"=100'
FILE NO.:	13-001-013

2015 IECC CODE COMPLIANCE

2015 IECC CODE COMPLIANCE R301.1 Climate zone 4A

R401.2 Compliance Method: Mandatory and Prescriptive Provisions

R402.1.1 Vapor Retarder: Wall assemblies in the building thermal envelope shall comply with vapor retarder requirements of Section R702.7 of the International Residential Code, 2015 Edition.

R402.1.2 Attic Insulation: Raised Heel Trusses R-49 R-38

R402.1.2 Wood Frame Wall: R-20 or R13 + R5 continuous insulation.

R402.1.2 Basement Wall Insulation: R-13/R-10 Foil Faced Continuous, uninterrupted Batts Full Height

R402.1.2 Crawl Space Wall Insulation: R-13/R-10 Foil faced Continuous Batts Full Height extending from floor above to finishgrade level and then vertically or horizontally an additional 2' -0".

R402.1.2 Floor Insulation over Unconditioned Space: R-19 batt insulation.

R402.1.2 Window U-Value/SHGC .35 (U-Value)/.40 (SHGC)

R402.2.10 Slab on Grade Floors Less Than 12" Below Grade: R-10 Rigid Foam Board Under Slab Extending Either 2' -0" Horizontally or 2'-0" Vertically

R402.2.4 Attic Access: Attic access scuttle will be weatherstripped and insulated R-49

R402.4 Building Thermal Envelope (air leakage): Exterior walls and penetrations will be sealed per this section of the 2015 IECC with caulk, gaskets, weatherstripping or an air barrier of suitable material. Sealing methods between dissimilar materials shall allow sealing for differential expansion and contraction.

R402.4.1.2 Building Thermal Envelope Tightness Test: Building envelope shall be tested and verified as having an air leakage rate of not exceeding 3 air changes per hour. Testing shall be conducted in accordance with ASTM E779 or ASTM E 1827 with (blower door) at a pressure of 0.2 inches w.g. (50 pascals). Testing shall be conducted by an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the building inspector. 7/15

R402.4.2 Fireplaces: New wood burning fireplaces will have tight-fitting flue dampers or doors, and outdoor combustion air. Fireplace doors shall be listed and labeled in accordance with UL 127 (factory built fireplace) and UL 907 (masonry fireplace).

R402.4.4 Rooms containing fuel-burning appliances where open combustion air ducts provide combustion air to open combustion fuel burning appliances, the appliances and combustion air shall be located outside the building thermal envelope or enclosed in a room isolated from inside the thermal envelope. Exceptions: 1. Direct vent appliances with both intake and exhaust pipes installed continuous to the outside. 2. Fireplaces and stoves complying with Section R402.4.2 and Section R1006 of the IRC.
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R402.4.5 Recessed Lighting: Recessed luminaires installed in the building thermal envelope shall be sealed to limit air leakage.

R403.1.1 Thermostat: All dwelling units will have at least (1) programmable thermostat for each separate heating and cooling system per 2015 IECC Section 403.1.1.

R403.1.2 Where a Heat pump system having supplementary electric resistance heat is used the thermostat shall prevent the supplementary heat from coming on when heat pump can meet heating load.

R403.3.1 Mechanical Duct Insulation: Supply and Return Ducts in Attic R-8 minimum, R-6 when less than 3 inches. Supply and Return Ducts outside of conditioned spaces R-8 minimum. All other ducts except those located completely inside the building thermal envelope R-6 minimum. Ducts located under concrete slabs must be R-6 minimum.

R403.3.2 Duct Sealing: All ducts, air handlers, filter boxes will be sealed. Joints and seams will comply with section M1601.4.1 of the IRC. A duct tightness test ("Duct Blaster" duct total leakage test) will be performed on all homes and shall be verified by either a post construction test or a rough-in test. Duct tightness test is not required if the air handler and all ducts are located within the conditioned space.

R403.6 Mechanical Ventilation: Outdoor (make-up and exhausts) air ducts to be provided with automatic or gravity damper that close when the ventilation system is not operating.

R403.6.1 Whole-house mechanical ventilation system fan efficiency to comply with TABLE R403.6.1.

R403.7 Equipment Sizing shall comply with R403.7.

R404.1 Lighting Equipment: A minimum of 75% of all lamps (lights) must be high-efficacy lamps. This contractor also responsible for generating Certificate of Compliance and affixing to electrical panel or within 6 feet of the electrical panel and be readily visible.

14975 Old Frederick Rd.
approved 9/10/2019
veB

NOTES:

DOUBLE ALL FLOOR JOISTS UNDER WALLS ABOVE, THAT ARE FRAMED PARALLEL TO FLOOR FRAMING UNLESS NOTED OTHERWISE ON THE PLANS.

ALL FLOOR JOISTS, CEILING JOISTS & RAFTERS ARE TO BE S.P.F.

PROVIDE SOLID 2x10 BLOCKING TO BE LOCATED BETWEEN FLOOR JOISTS WHERE POSTS, FROM ABOVE, CARRYING STRUCTURAL HEADERS LAND BETWEEN FLOOR JOIST BELOW. BLOCKING TO BE BUILT UP TO THE SAME WIDTH AS POST IT IS CARRYING ABOVE.

PROVIDE ADEQUATE CLEARANCE @ PLUMBING STACKS AS REQ.

ALL DIMENSIONS MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE START OF CONSTRUCTION. ANY DISCREPANCIES ON THE PLANS, OR SPECIFICATIONS, MUST BE REPORTED TO THE ARCHITECT OR ENGINEER PRIOR TO THE START OF CONSTRUCTION.

ANY VARIATION FROM THESE PLANS THAT WILL REQUIRE CHANGES TO THE STRUCTURAL MEMBERS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.

WHERE APPLICABLE, REFER TO ENGINEERED LUMBER MFR'S SPECIFICATIONS FOR MULTI-MEMBER INSTALLATION & CONNECTION REQUIREMENTS

FASTEN MULTIPLE MEMBER JACKS TOGETHER W/ MIN. 10d NAILS @ 8" O.C. STAGGERED ALONG ENTIRE LENGTH OF MEMBERS. PROVIDE NAILING W/IN 3" OF TOP OR BOTTOM OF MEMBERS.

FASTEN MULTIPLE MEMBER BEAMS TOGETHER W/ MIN 16d NAILS @ 12" O.C. STAGGERED ALONG ENTIRE LENGTH OF MEMBERS. TWO ROWS REQUIRED FOR DEPTHS UP TO 12". THREE ROWS REQUIRED FOR DEPTHS OF 12-18". PROVIDE NAILING W/IN 22" OF EACH END OF MEMBERS. FOR BEAMS 7" OR GREATER IN WIDTH PROVIDE BOLTED CONNECTION W/ ASTM GRADE A-307 (OR BETTER) 1/2" DIA. BOLTS IN TWO ROWS 3" FROM EACH END OF BEAM @ 24" O.C. STAGGERED.

DRAWING LIST

0.01	COVER SHEET
0.02	GENERAL INFO
1.01	ELEVATIONS
1.02	ELEVATIONS
2.01	FOUNDATION PLAN
3.01	FIRST FLOOR PLAN
3.02	SECOND FLOOR PLAN
4.01	ROOF PLAN
5.01	SECTION A-A
5.02	SECTION B-B

DESIGN CRITERIA

CLIMATE AND GEOGRAPHIC DESIGN CRITERIA - table 301.2 (1)

GROUND SNOW LOAD (lbs./s.f.)	30
WIND PRESSURE (pounds per square foot)	17 +/- (90 m.p.h.)
SEISMIC CONDITION BY ZONE	B
SUBJECT TO DAMAGE	WEATHERING SEVERE
	FROST LINE DEPTH 30
	TERMITE MODERATE
	DECAY MODERATE
WINTER DESIGN TEMP. FOR HEAT. FACILITIES	13'
RADON RESISTANT CONSTRUCTION REQ	
FLOOD ZONE	

CODE INFORMATION

ALL WORK SHALL COMPLY WITH INTERNATIONAL CODE W/ LOCAL AMENDMENTS

International Residential Code, 2015 Edition
2011 National Electrical Code with Local Amendments (NFPS 70)
International Mechanical Code, 2012 Edition
The Life Safety Code, 2012 Edition
2009 National Standard Plumbing Code Illustrated
2009 National Fuel Gas Code (NFPA 54)
International Energy Conservation Code, 2015 Edition

ITEMS OF PARTICULAR NOTE

- Contractor, sub-contractor or supplier shall verify all job conditions and measurements prior to commencing work or ordering materials. Discrepancies between dimensions shown on drawings and actual field conditions should be brought to the Architect and Owner's attention immediately for clarification prior to proceeding with work. These plans are not to be scaled for construction purposes. Written dimensions and notes supersede all scaled reference. If there are any conflicts, discrepancies or ambiguity with dimensioning the Contractor shall notify the Architect immediately for clarification. Field verify ALL proposed dimensions

- As a matter of record, JRArchitecture, LLC shall not be responsible for construction means and methods or omissions by the contractor, sub-contractor or any other persons performing work in accordance with these drawings.

- On this Project, the Contractor shall have sole supervision over, and exclusive responsibility for: demolition and temporary construction; construction means, methods, techniques, sequences, procedures, safety precautions and safety programs in connection with all demolition and construction work; and protection of persons and property during construction until final completion is attained. Services performed by Architect or its consultants during construction, if any, are intended to promote the goal that, in general, the construction work, when fully completed, will be consistent with the design intent reflected in the permit or construction drawings. Means and methods responsibility always shall be the exclusive responsibility of the Contractor and Contractor shall separately engage specialty engineers or other consultants as required to fulfill this responsibility.

AREA INFO

FLOOR	SQUARE FOOTAGE
GARAGE	733 s.f.
FIRST FLOOR	1,102 s.f.
NEW	804 s.f.
SECOND FLOOR	508 s.f.

REVISIONS

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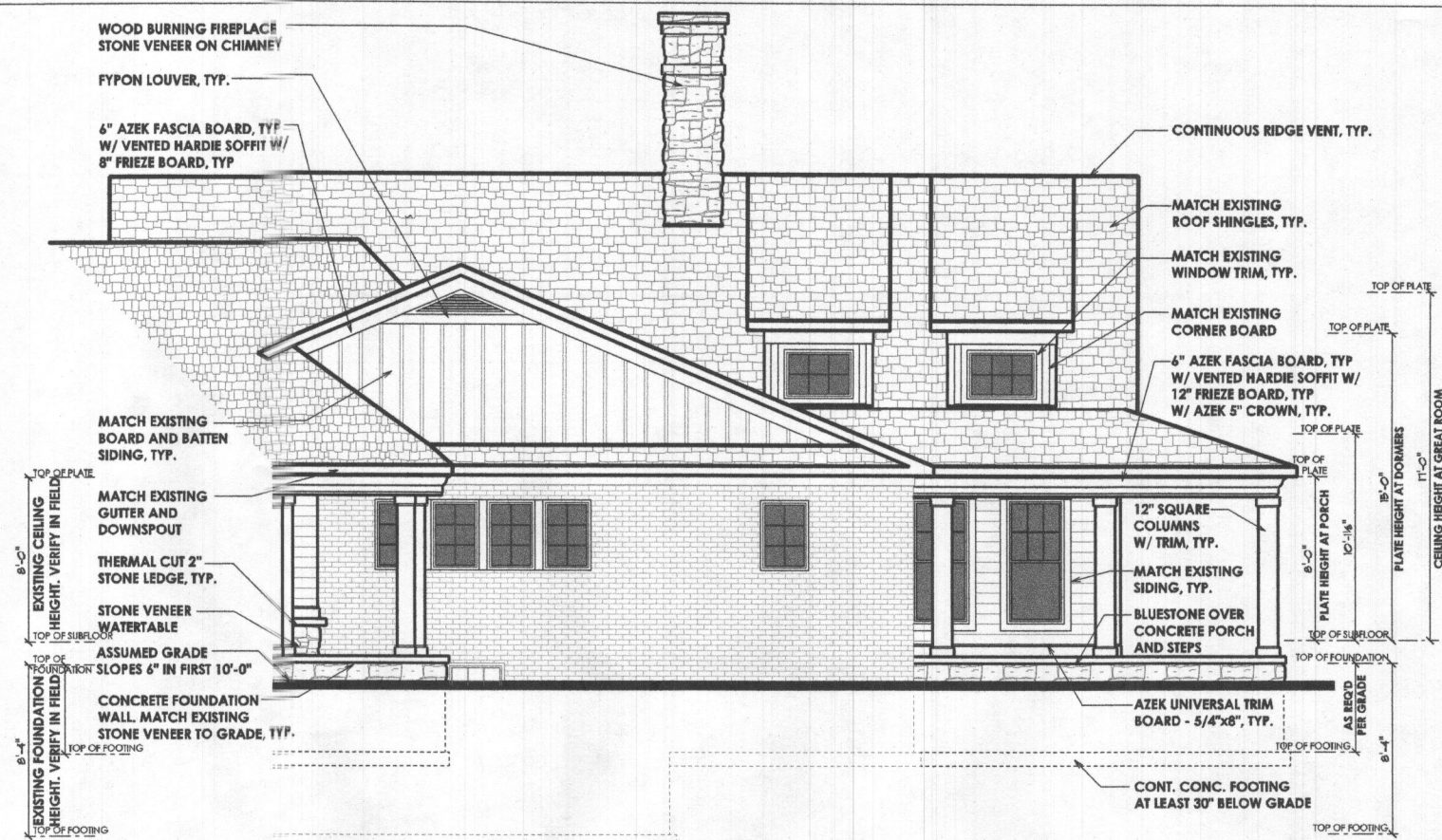
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01-03-19 REVIEW

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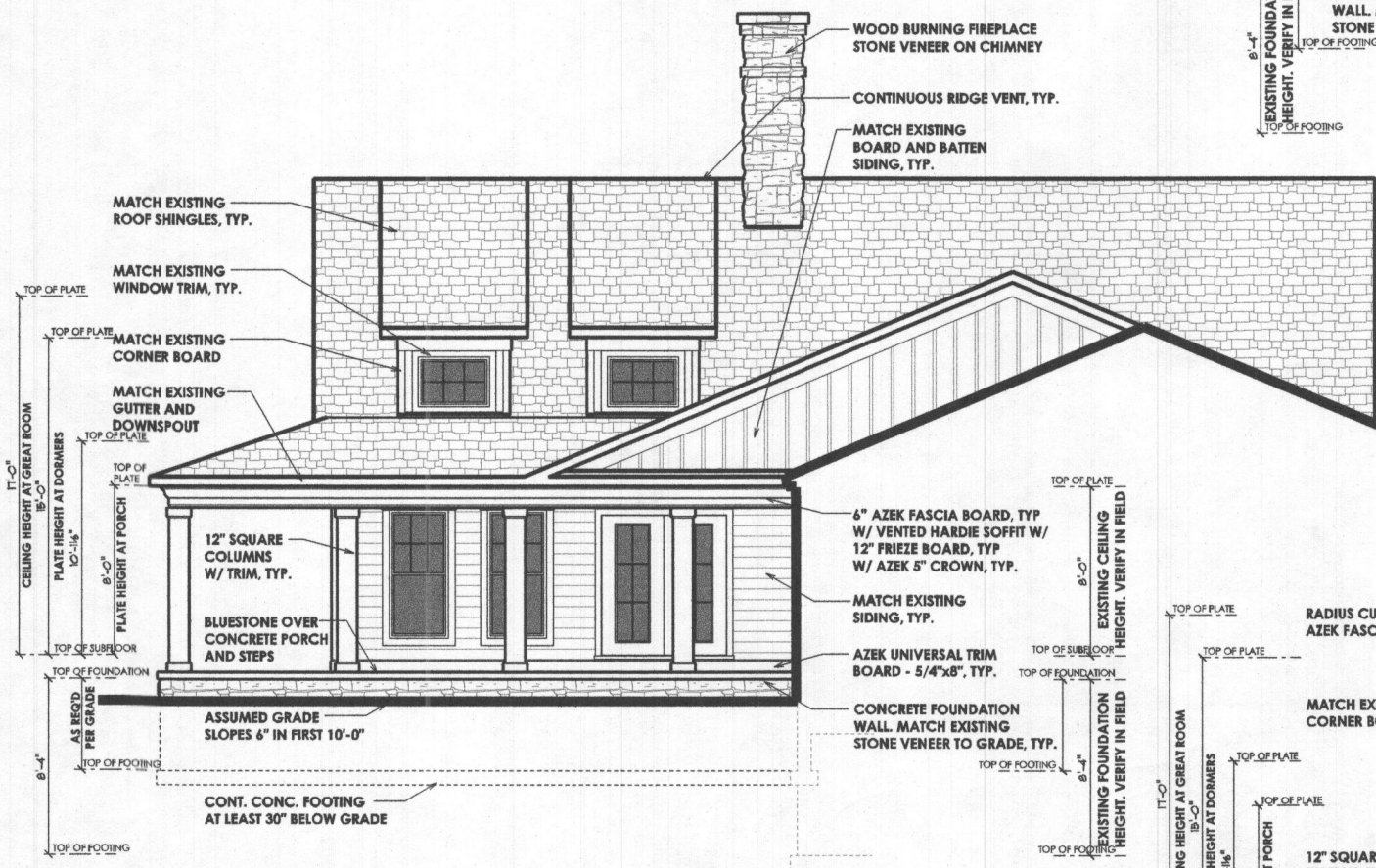
COVER SHEET

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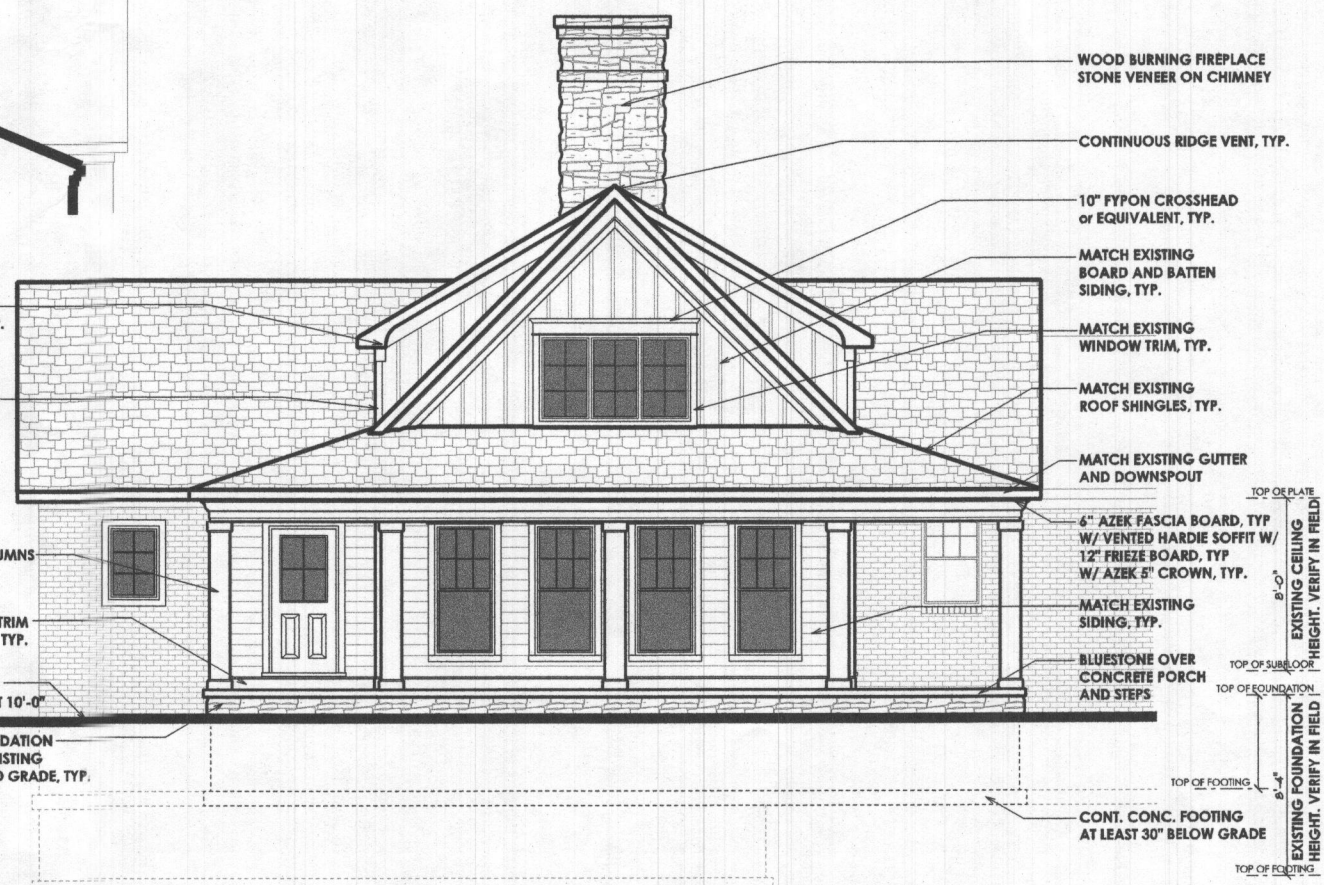
PRINT DATE:
Monday, January 28, 2019



GREAT ROOM - LEFT ELEVATION



GREAT ROOM - RIGHT ELEVATION



GREAT ROOM - FRONT ELEVATION

NOTE:
 STAIRS WITH 2 OR MORE RISERS SHALL BE PROVIDED WITH HANDRAILS. HANDRAILS SHALL BE A MINIMUM OF 34" IN HEIGHT AND NOT MORE THAN 38" IN HEIGHT. RAILS ARE TO BE MEASURED VERTICALLY FROM THE NOSING OF THE TREADS.

PORCHES, DECKS, BALCONIES OR RAISED FLOOR SURFACES LOCATED MORE THAN 30" ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDS A MINIMUM OF 36" HIGH.

RISERS ARE TO BE CLOSED SUCH THAT THE OPENING BETWEEN THE TREADS DOES NOT PERMIT THE PASSAGE OF A 4" DIA SPHERE.

Shaw Residence
 PROPOSED ADDITION
 14975 Old Frederick Road, Woodbine, MD 21797

REVISIONS

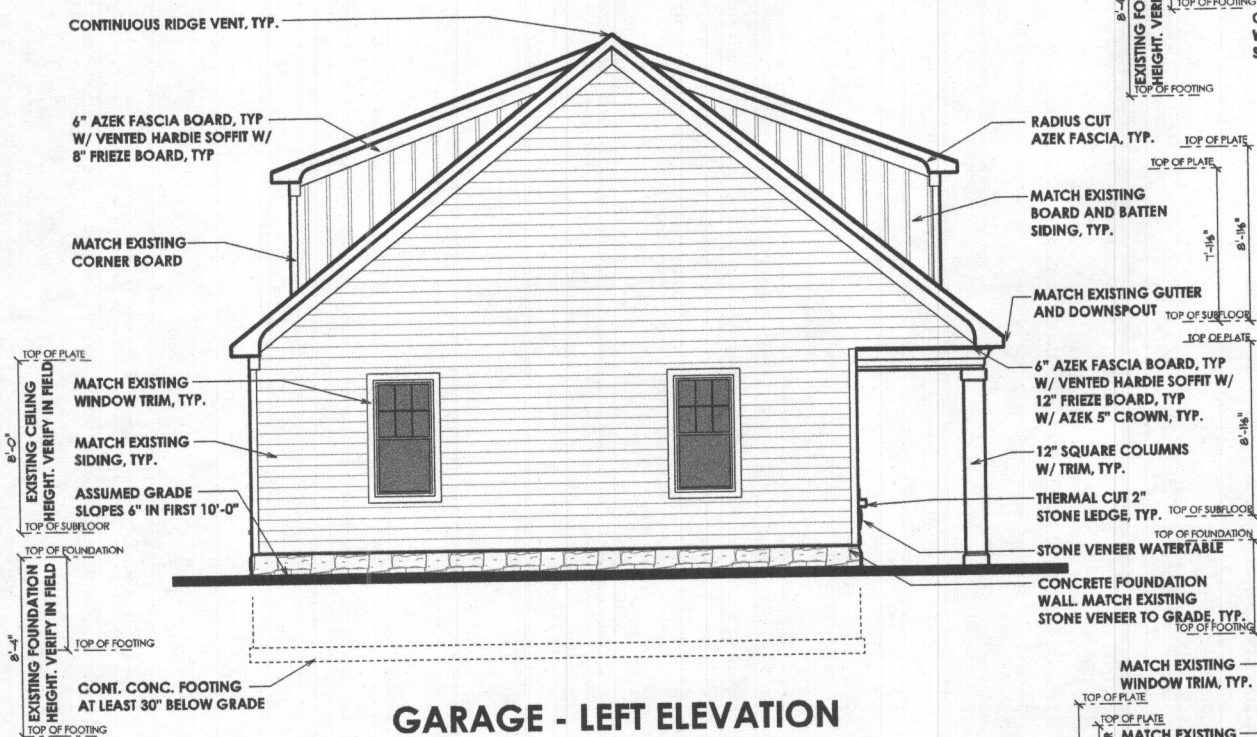
ISSUE DATES:
 01-03-19 REVIEW

SCALE: 1/4" = 1'-0"
ELEVATIONS
1.01
 PRINT DATE:
 Monday, January 28, 2019



GARAGE - REAR ELEVATION

NOTE:
 STAIRS WITH 2 OR MORE RISERS SHALL BE PROVIDED WITH HANDRAILS. HANDRAILS SHALL BE A MINIMUM OF 34" IN HEIGHT AND NOT MORE THAN 38" IN HEIGHT. RAILS ARE TO BE MEASURED VERTICALLY FROM THE NOSING OF THE TREADS.
 PORCHES, DECKS, BALCONIES OR RAISED FLOOR SURFACES LOCATED MORE THAN 30" ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDS A MINIMUM OF 36" HIGH.
 RISERS ARE TO BE CLOSED SUCH THAT THE OPENING BETWEEN THE TREADS DOES NOT PERMIT THE PASSAGE OF A 4" DIA SPHERE.



GARAGE - LEFT ELEVATION



GARAGE - FRONT ELEVATION

Shaw Residence
 PROPOSED ADDITION
 14975 Old Frederick Road, Woodbine, MD 21797

REVISIONS

ISSUE DATES:

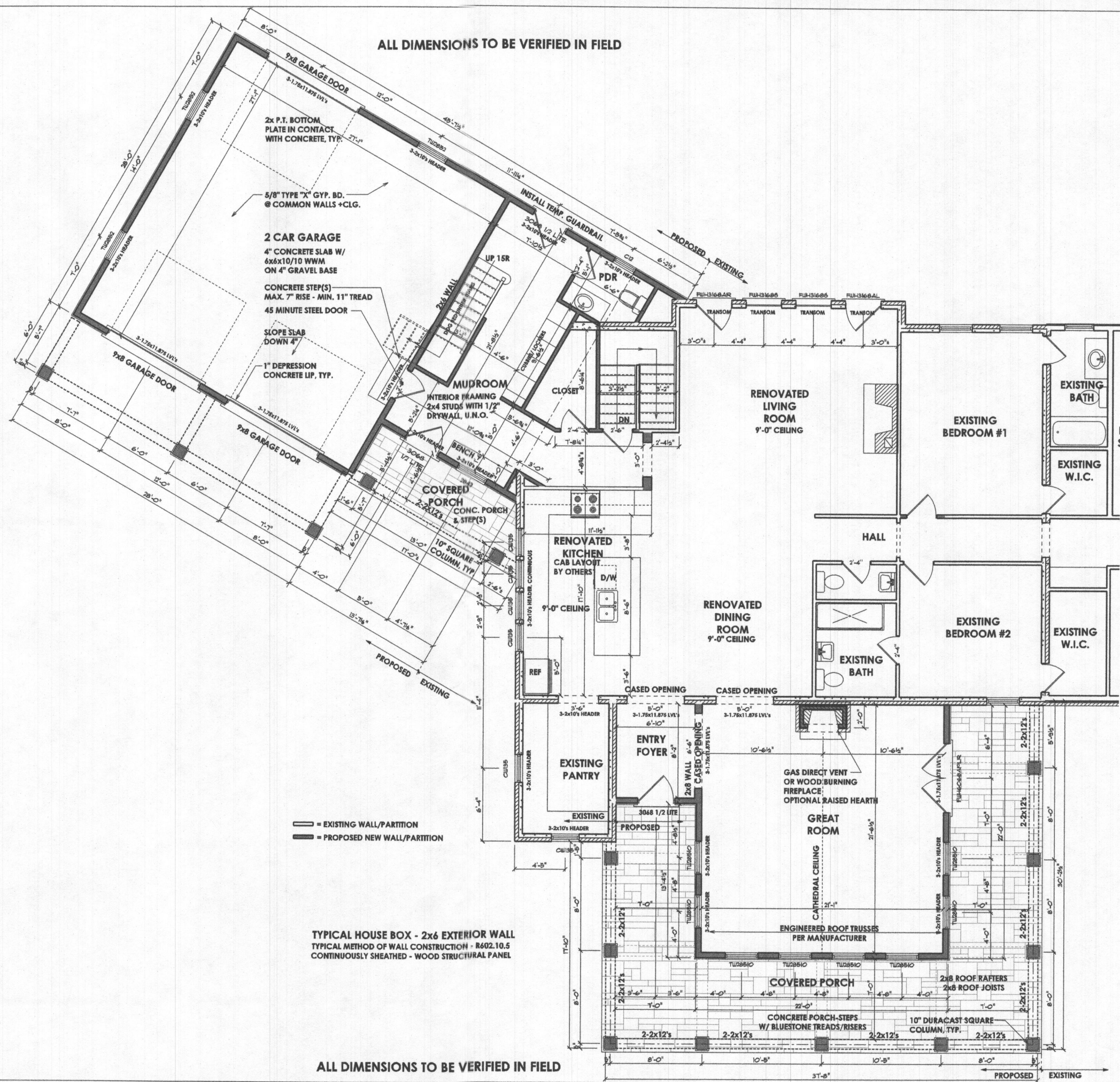
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SCALE: 1/4" = 1'-0"

ELEVATIONS

1.02

PRINT DATE:
 Monday, January 28, 2019



ALL DIMENSIONS TO BE VERIFIED IN FIELD

ALL DIMENSIONS TO BE VERIFIED IN FIELD

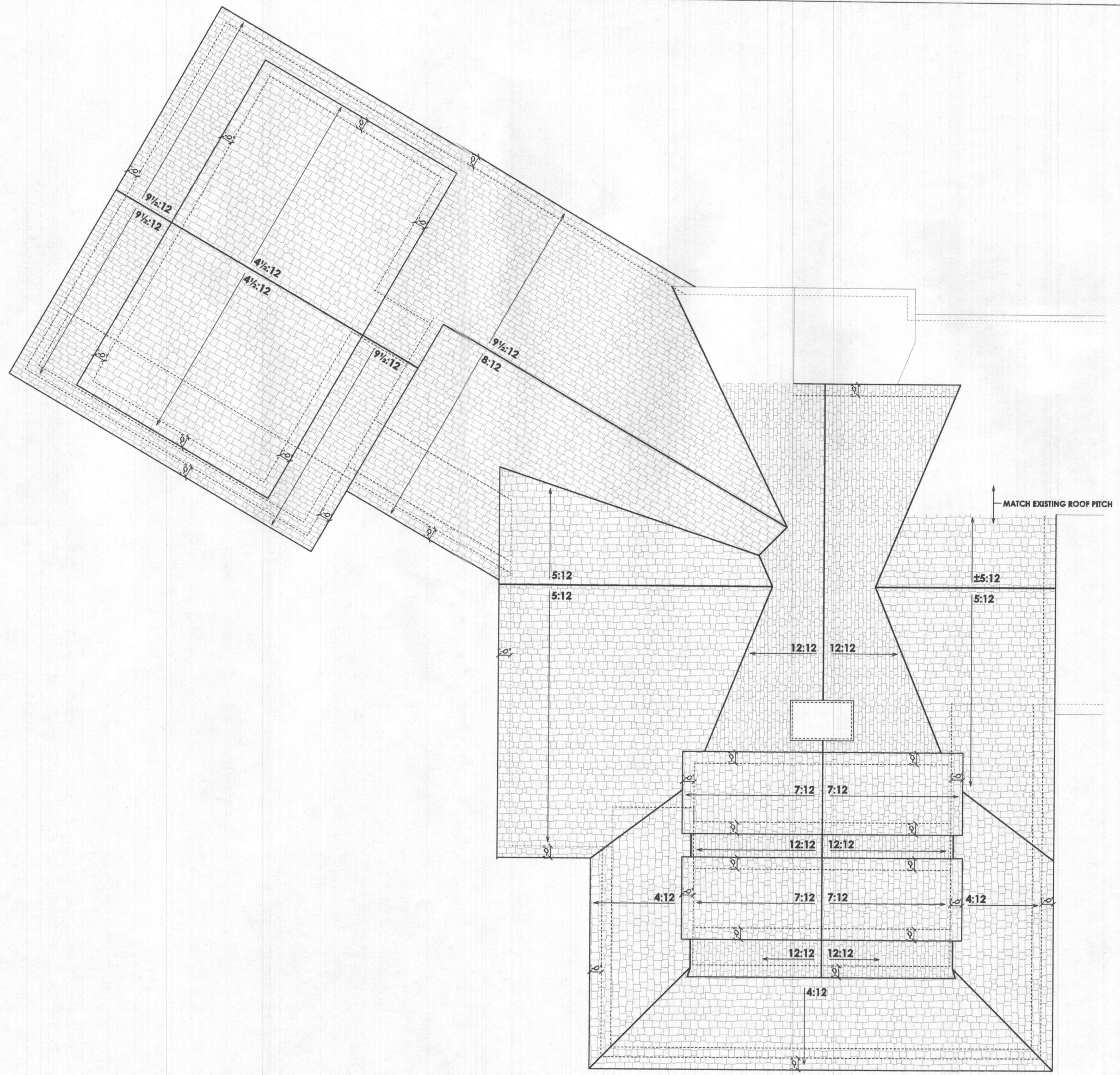
Shaw Residence
 PROPOSED ADDITION
 14975 Old Frederick Road, Woodbine, MD 21797

REVISIONS

ISSUE DATES:

01-08-19	REVIEW

SCALE: 1/4"=1'-0"
FIRST FLOOR
3.01
 PRINT DATE: Monday, January 28, 2019



Shaw Residence
 PROPOSED ADDITION
 14975 Old Frederick Road, Woodbine, MD 21797

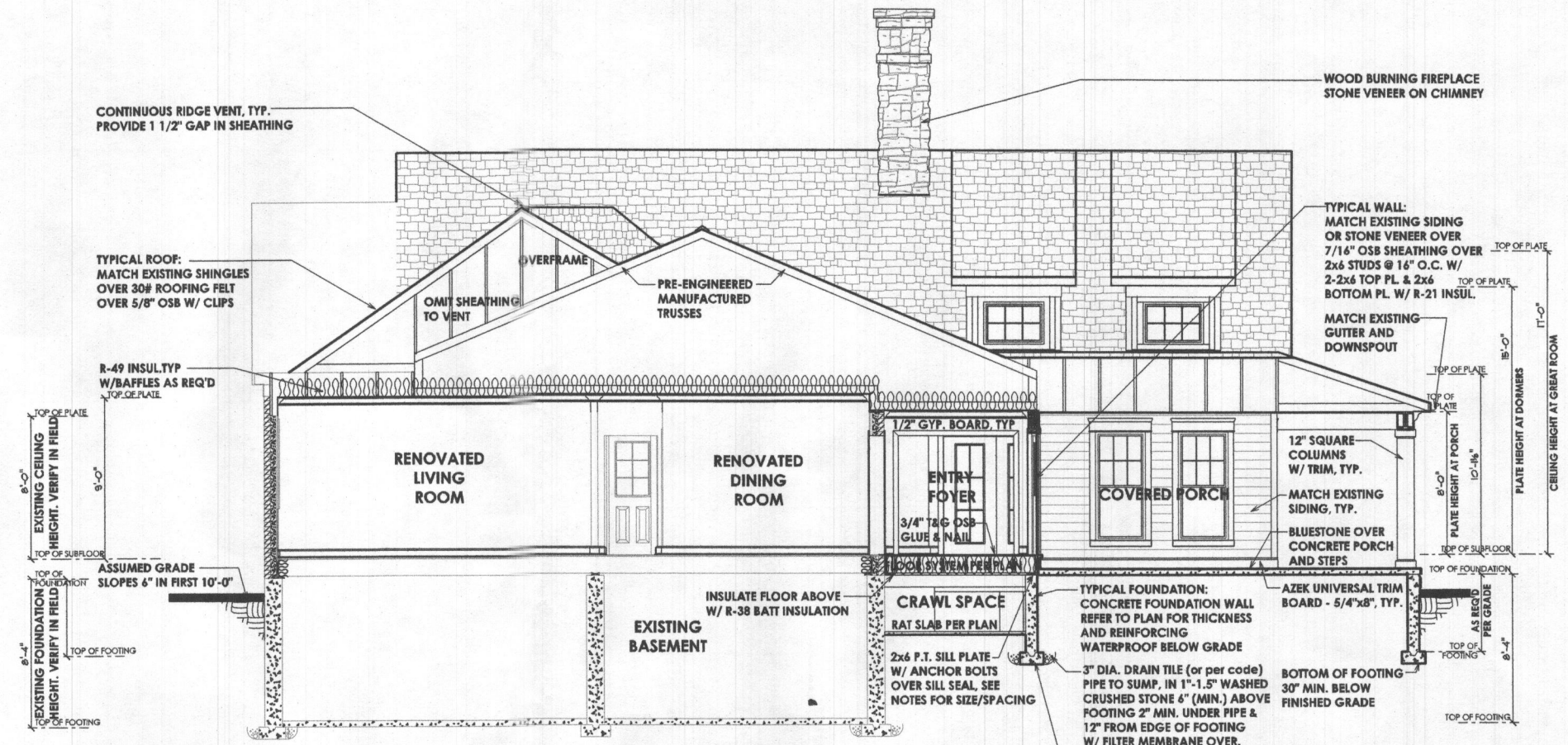
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ISSUE DATES:
 01-03-19 REVIEW

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

ROOF PLAN
4.01
 PRINT DATE:
 Monday, January 28, 2019

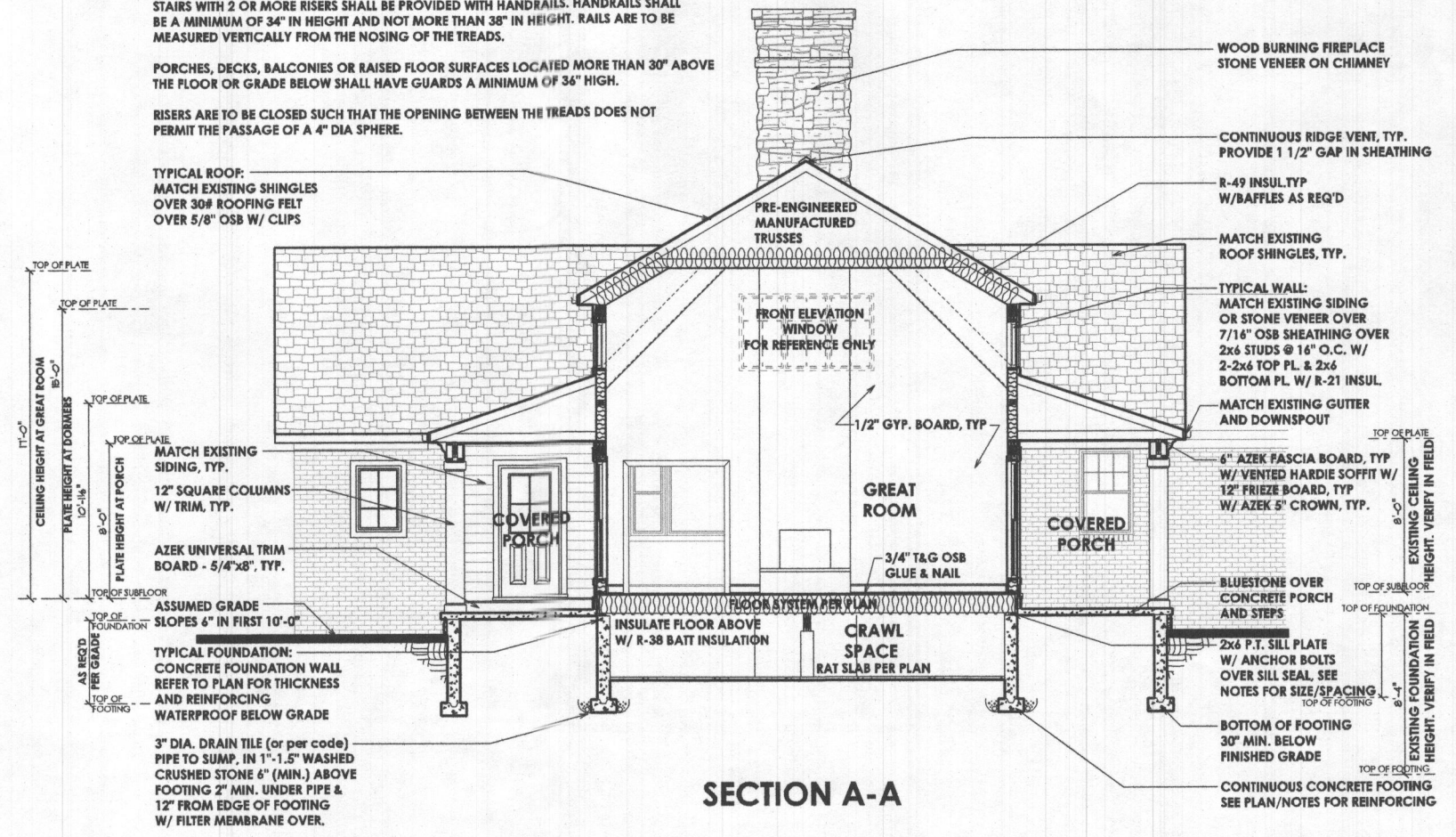


SECTION B-B

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PORCHES, DECKS, BALCONIES OR RAISED FLOOR SURFACES LOCATED MORE THAN 30" ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDS A MINIMUM OF 36" HIGH.

RISERS ARE TO BE CLOSED SUCH THAT THE OPENING BETWEEN THE TREADS DOES NOT PERMIT THE PASSAGE OF A 4" DIA SPHERE.



SECTION A-A

- SECTION NOTES**
- 1) 2000 PSF MIN SOIL BEARING CAPACITY ASSUMED
 - 2) BEAMS, JOISTS, HEADERS & RAFTERS TO BE SPF #1/#2 OR EQ. TYP THROUGH U.N.O.
 - 3) ALL LOCATIONS FOR HVAC, SUMP PUMPS, ROUGH-INS, H/W/H, A/H AND OTHER FEATURES ARE SUBJECT TO BUILDER DISCRETION ON SITE
 - 4) FOUNDATION WALL MIN. THICKNESS 10" WHERE STEM WALL AT BRICK LEDGE EXCEEDS 16" HIGH
 - 5) MIN. 1/2" HOOKED ANCHOR BOLTS EMBEDDED A MIN. 7" INTO CONC. SHALL BE SPACED AT 4" O.C. AND LOCATED 4" & 12" FROM EACH END OF ALL SILL PLATE PIECES.

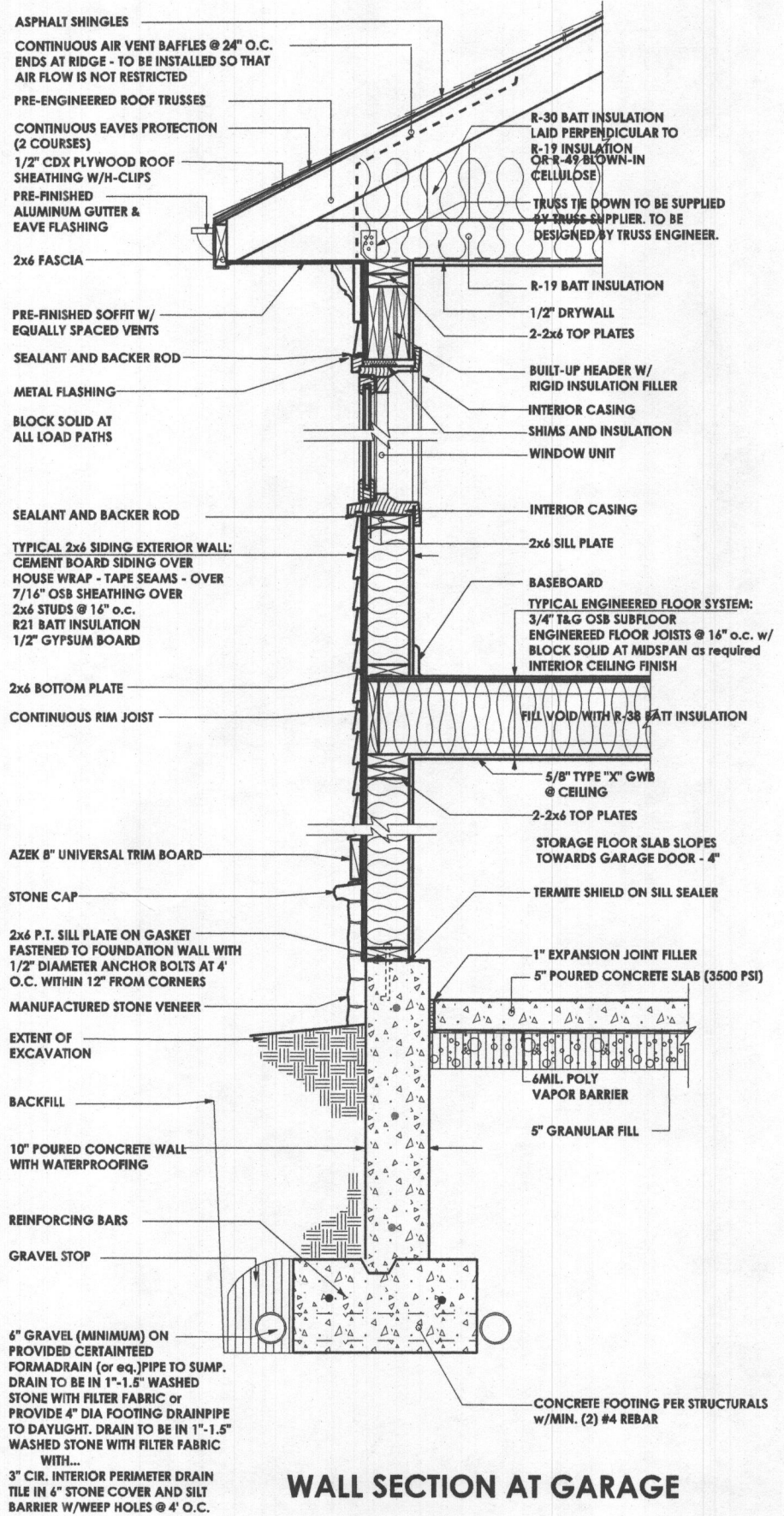
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REVISIONS

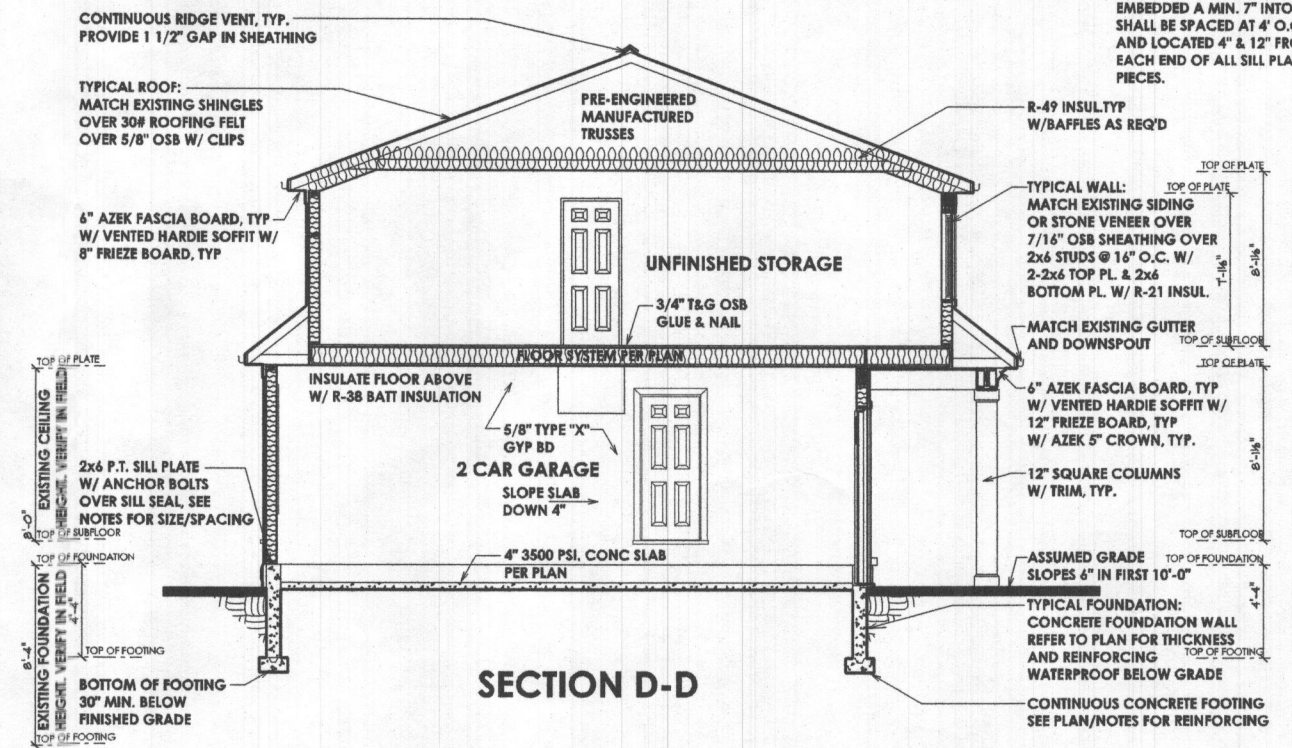
ISSUE DATES:
 01-03-19 REVIEW

SCALE: 1/4" = 1'-0"
SECTION A-A
5.01
 PRINT DATE:
 Monday, January 28, 2019

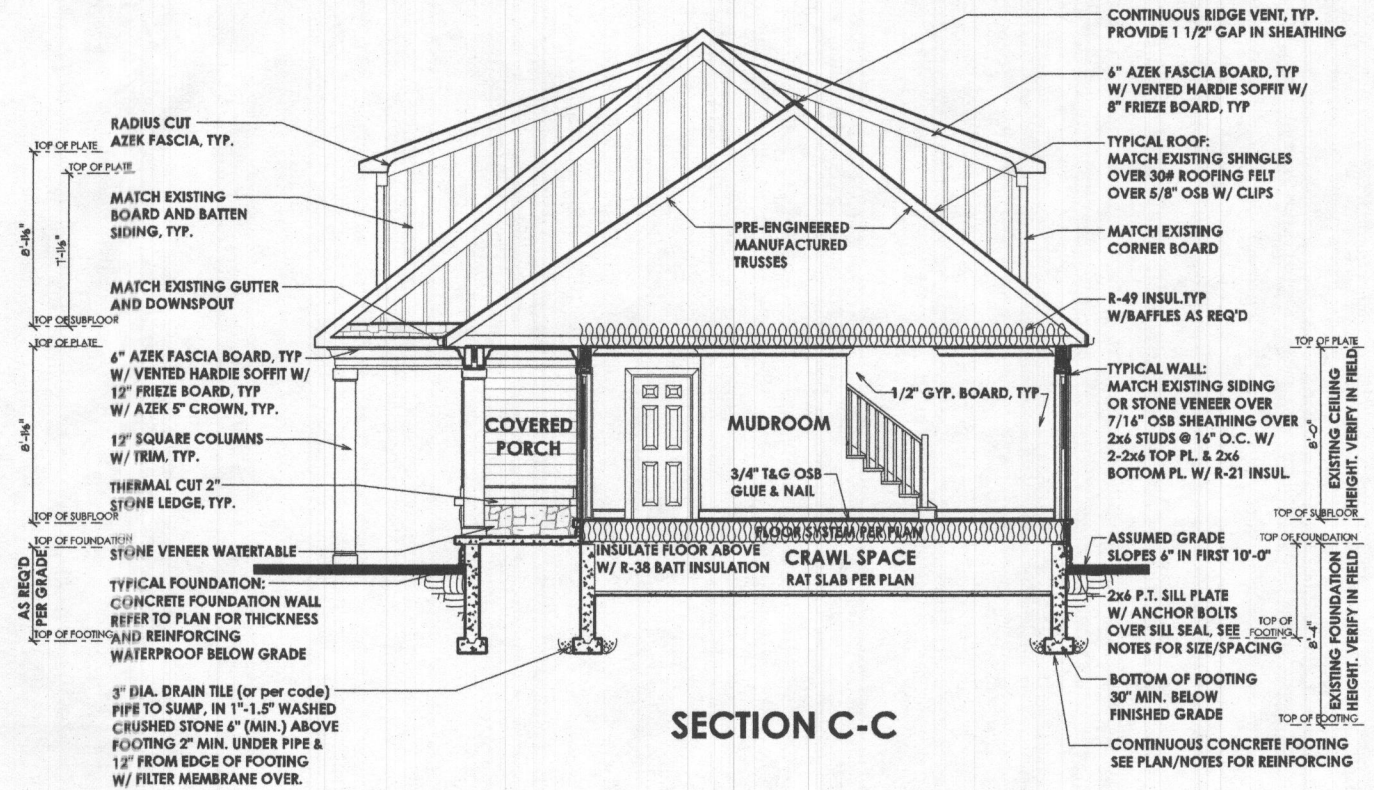
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WALL SECTION AT GARAGE



SECTION D-D



SECTION C-C

Shaw Residence
 PROPOSED ADDITION
 14975 Old Frederick Road, Woodbine, MD 21797

REVISIONS

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