### ENOS RESIDENCE 41 RIVERSIDE DRIVE ONSET, MA

### **ABBREVIATIONS**

A.S.F. ABOVE SUB-FLOOR ABOVE FINISH FLOOR BLDG. BUILDING BOT.

CLEAR **CONCRETE MASONRY** 

COL. CONCRETE CONT DOUBLE

DN DOWN EACH WAY

FTG FOOTING GA. GAUGE GALV. GALVANIZED GWB GYPSUM WALL BOARD HORIZ. HORIZONTAL

I.F. INSIDE FACE ON CENTER OUTSIDE FACE OPENING

REINFORCED REINF. REQUIRED REQ'D R00M RMRIGHT OF WAY R.O.W.

SCHEDULE SCHED. SIMILAR SIM. SQUARE SQ. SQUARE FOOT SQ.FT. STANDARD STD TO BE DETERMINED

### TBD TOP OF T.O. TOP OF WALL T.O.W. UNLESS NOTED UNO OTHERWISE V.I.F. VERIFY IN FIELD

### DRAWING LIST

### ARCHITECTURAL

A0.00 COVER SHEET A0.01 GENERAL NOTES

A1.00 BASEMENT FLOOR PLAN A1.01 FIRST FLOOR PLAN A1.02 ROOF PLAN

A3.01 BUILDING SECTIONS A3.02 BUILDING SECTIONS

### **STRUCTURAL**

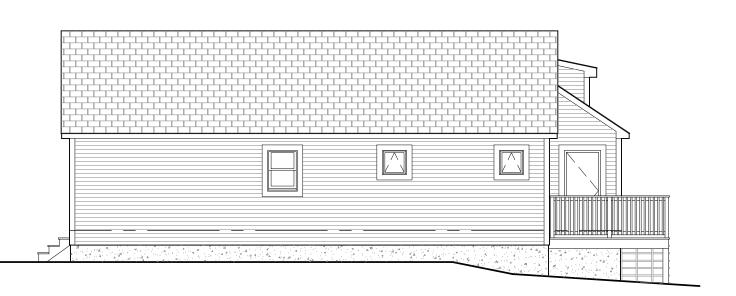
S-1 FOUNDATION PLAN S-3 CEILING FRAMING PLAN S-4 ROOF FRAMING PLAN

### FOR PERMIT - FOR CONSTRUCTION









USE GROUP: RESIDENTIAL (5) CONSTRUCTION TYPE: 5B

BUILDING DESIGN NOTES

DESIGN LOADS DESIGN WIND LOAD:

BASIC WIND SPEED 138 M.P.H. EXPOSURE ZONE C

COMPONENT AND CLADDING WIND PRESSURES IN ACCORDANCE WITH ASCE 07-10

**DESIGN SNOW LOAD:** GROUND SNOW LOAD  $P_g = 30 \text{ PSF}$ SNOW EXPOSURE FACTOR  $C_e = 1.00$ SNOW LOAD IMPORTANCE FACTOR  $I_s = 1.00$ THERMAL FACTOR  $C_t = 1.10$ FLAT ROOF SNOW LOAD  $P_f = 30 PSF$ 

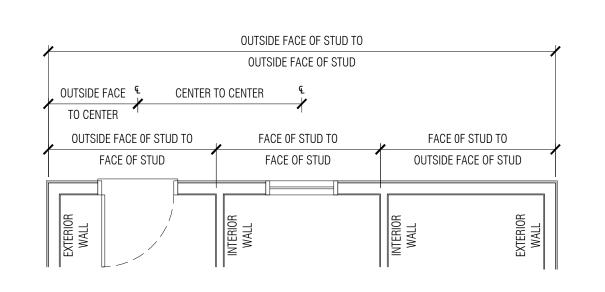
DESIGN LIVE LOADS: OCCUPIED AREAS 40 PSF ATTIC AREAS 20 PSF

### \*\*\* COPYRIGHT NOTE\*\*\*

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ASAP ENGINEERING AND DESIGN CO., INC. THESE DOCUMENTS SHALL NOT BE REPRODUCED, CHANGED OR COPIED IN ANY FORM. NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF

### TYPICAL DRAWING DIMENSIONING



### CONTRACTOR REVIEW

CONTRACTOR(S) ACKNOWLEDGES THAT HE HAS THOROUGHLY FAMILIARIZED HIMSELF WITH THE BUILDING SITE CONDITIONS, GRADES, ETC., WITH THE DRAWINGS AND SPECIFICATIONS AND ALL OTHER CONDITIONS WHICH MAY AFFECT THE OPERATION AND COMPLETION OF THE WORK AND ASSUMES ALL

CONTRACTOR(S) SHALL VERIFY ALL DIMENSIONS, UTILITY LOCATIONS AND SITE CONDITIONS PRIOR TO, AND DURING CONSTRUCTION.

### CONTRACT DOCUMENTS AND DRAWINGS

CONSTRUCTION DOCUMENTS ON THE JOB SITE DURING ALL PHASES OF CONSTRUCTION FOR USE OF ALL TRADES AND SHALL PROVIDE ALL SUBCONTRACTORS WITH CURRENT CONSTRUCTION DOCUMENTS AS REQUIRED. THE CONTRACTOR ASSUMES RESPONSIBILITY FOR THE WORK

THE CONSTRUCTION DOCUMENTS ARE PROVIDED TO ILLUSTRATE THE DESIGN AND GENERAL TYPE OF CONSTRUCTION DESIRED AND IMPLY THE FINEST QUALITY OF CONSTRUCTION, MATERIALS AND WORKMANSHIP THROUGHOUT

DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR(S) SHALL VERIFY AND BE MADE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS SHOWN. NO CHANGES SHALL BE MADE WITHOUT PRIOR APPROVAL OF ASAP ENGINEERING AND DESIGN CO., INC.

### ERRORS, OMISSIONS AND CONFLICTS

ANY ERRORS, OMISSIONS AND/OR CONFLICTS FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF ASAP ENGINEERING AND DESIGN CO., INC. AND THE OWNER BEFORE PROCEEDING WITH WORK.

ANY CONFLICTS OR DISCREPANCIES BETWEEN THE DRAWINGS AND SITE CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF ASAP ENGINEERING AND DESIGN CO., INC. AND THE OWNER BEFORE PROCEEDING WITH CONSTRUCTION.

ASAP ENGINEERING AND DESIGN CO., INC. WILL NOT BE RESPONSIBLE FOR ANY CHANGES IN PLANS, DETAILS, OR SPECIFICATIONS UNLESS APPROVED IN ADVANCE OF CONSRUCTION.

### MATERIALS AND EQUIPMENT

ALL MATERIALS USED IN THE CONSTRUCTION OF THIS SPACE MUST BE ASBESTOS

PROCEEDING WITH CONSTRUCTION IN THE PREMISES, TO COMPLY WITH ALL REQUIREMENTS OF ALL APPLICABLE LAWS CONCERNING HAZARDOUS SUBSTANCES. THE CONTRACTOR(S) SHALL NOT PERMIT THE INSTALLATION OR USE OF ANY HAZARDOUS SUBSTANCES IN ANY COMPONENT OF THE PREMISES.

CONTRACTOR(S) SHALL PROTECT NEW MATERIALS AND FINISHES FROM DAMAGE WHICH MAY OCCUR FROM CONSTRUCTION, DEMOLITION, DUST, WATER, ETC. DAMAGE TO NEW MATERIALS, FINISHES, STRUCTURES AND EQUIPMENT SHALL BE REPAIRED OR REPLACED.

CONTRACTOR(S) SHALL BE RESPONSIBLE FOR SUPPLYING ONLY THOSE MATERIALS SPECIFICALLY APPROVED BY THE LOCAL AUTHORITY HAVING JURISTICION

INSTALL ALL MATERIALS AND EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS.

### CURRENT BUILDING CODES

ASAP ENGINEERING AND DESIGN CO., INC.

2015 IBC/2015 IRC 780 CMR 9th EDITION

521 CMR 2006 248 CMR 10.00 IEBC 2015

IECC 2015 524 CMR **ISPSC 2015** 

### STRUCTURAL ENGINEER

ASAP ENGINEERING & DESIGN Co., Inc. 155 EAST GROVE STREET, RT. 28 MIDDLEBORO, MA 02346

> TEL: 508.946.3561 FAX: 508.946.1653

### **OWNER**

JAMES ENOS 41 RIVERSIDE DRIVE ONSET, MA

TEL: 508.509.9650

### CONTRACTOR

**ENOS CONSTRUCTION** 31 HARVESTWOOD DRIVE WEST BRIDGEWATER, MA

TEL: 508.509.9650

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V

ORIGINAL

Revision

-Provide  $1\frac{1}{4}$ " or  $1\frac{1}{8}$  " LSL or LVL, rim joists by same manufacturer as joists.

-Follow all manufacturer's recommended details for installation of joists.

-Provide blocking using same material as joists over all beams except flush beams where there is a wall above, and under all braced wall panels.

-Unless otherwise noted, floor sheathing shall be APA rated sheathing and underlayment, tongue-&-grooved,  $\frac{3}{4}$ " thick, minimum 24" o.c. span rating. Glue and nail floor sheathing to floor joists.

-Sills shall be (2) 2x6 pressure treated w/  $\frac{5}{8}$ "Øx12" long galvanized steel hooked anchor bolts @ 4'-0" max. o.c. and 12" from corners or splices. Garage anchors @ 24" o.c. (U.N.O.). Anchor bolts shall engage both plates and shall be fastened w/ 3"x3"x $\frac{1}{4}$ " plate washers.

-Provide posting at each end of all beams and at other locations as shown on structural plans.

See structural drawings for post sizes and locations. (2-2x min.)

-All posts shall be continuous down from their top point to foundation or carrying (transfer) beams. Posts are typically called out at their top most point. Provide same post size below (U.N.O.).

Provide solid blocking through floors beneath all posts.

### GARAGE SHEATHING

-The CDX plywood used on the garage door wall shall be installed both on the interior and exterior sides of the wall. The plywood on this wall shall be fastened to the sills, rim joist, and the wall studs on both sides with 8d nails spaced and staggered at no more than 4" apart around the edges, and no more than 12" apart in the field of the sheet.

### ATTACHED PORCHES

(post connections to foundation walls/ concrete tubes)

-Pier footings shall consist of "Bigfoot" bell footings or spread footings cast at or below frost depth that support 10" or 12" diameter "Sonotube" piers.

-Deck and porch posts shall be secured to the piers using Simpson ABU post base.

-Deck posts and porch beam assemblies shall be reinforced with Simpson BCS Series column caps (one per post to beam connection), or the beam can be let into the posts and through bolted to the post using two (2) 5/8"Ø through bolts. Corner posts shall be attached to the beam using Simpson ACE post caps.

-Deck and Porch framing shall be attached to the structure w/galvanized metal hangers and a pressure treated ledger board. The ledger board shall be attached to the rim-joist or into solid framing using 1/2"Ø lag- bolts or ledger-lag screw, two (2) rows spaced and staggered at 8" o.c..

### EXTERIOR WALL ASSEMBLIES

-Exterior sheathing shall consist of a minimum of ½" APA rated CDX plywood with 8d common nails at 4" spacing on the edges and 12" spacing on the field.

-Plywood sheets shall be applied horizontally w/ vertical joints. Joints shall be staggered a minimum of 32" between lifts (two (2) stud bays).

-Plywood shall span across the bottom and top plates to effectively tie the plates to the stud wall assembly.

-Horizontal blocking for nailing shall be provided within 48" of all outside corners.

-Blocking and connections shall be provided at panel edges perpendicular to roof framing members and shall be located in the first two (2) bays spaced at a maximum of 4 feet o.c..

-Plywood sheets shall be nailed to sills, plates, studs and rim joists w/ 8d common nails; 4" at perimeters and 8" in the field.

-Simpson HDU5 hold downs shall be installed in the outside corners consistent w/ the locations specified on the plans. The hold down assemblies shall extend from the foundation connection to the top floor top plate and roof assembly. This continuous connection can be accomplished by nailing a full height stud with two 16d common nails spaced 10" o.c. to the opposite side of the triple corner stud assembly to which the HDU5 hold downs shall be attached.

-Outside corners shall consist of built-up 2x6 solid corners and all exterior walls shall be framed using 2x6 framing (U.N.O.).

-Bottom plates of the wall assemblies shall be attached to the floor framing members using 16d common nails spaced and staggered 4" o.c.

-Window and door openings larger than 5 feet or closer than 3 feet from an outside corner shall have Simpson H4 hurricane clips installed per (WALL OPENING DETAIL). The H4 clips shall be installed at the top and bottom of the last (king) studs, as well as to the top and bottom of the first (jack) studs. The clips shall be installed to the interior sides of the king and jack studs and any pocketed studs between windows. Jack studs shall be connected to the headers using one (1) Simpson LSTA strap per jack to header.

-Window and door openings larger than 5 feet shall be framed using two (2) jack studs and three (3) king studs (U.N.O.). Window and door openings located 3 feet from an outside corner of the structure shall all be framed using two (2) jack studs and two (2) king studs (U.N.O.).

-The double top plates shall be lap-spliced w/ end-joints a minimum of 6 feet apart and contain forteen(14) 16d common nails per each side of the splice. The top plates shall overlap at corners of the structure and all intersections of interior or exterior load-bearing walls.

### ROOF FRAMING NOTES

-See structural drawings for rafter sizes. All rafters shall be SPF #1 / #2 or better (U.N.O.).

-See structural drawings for ledger size on top of sheathing for support and connection of rafters at overlay framing.

-Rafters shall be toe nailed to wall plates and face nailed to ceiling joists at supports and shall also be anchored for uplift w/ Simpson H1 rafter tie at each rafter (U.N.O.) on structural drawings.

-Fasten rafters to non-structural ridge w/ four (4) 16 d toe nails or three (3) 16d face nails each rafter. Fasten rafters to structural ridge with sloped-seat rafter hanger or Simpson LRU hanger or Simpson L90 framing anchor each side (U.N.O.) on structural drawings.

-Fasten rafters at ridge for uplift using either Option A or Option B, as follows:

Option A: Apply Simpson LSTA strap across the top of the ridge.

Option B: Install 2x6 ridge lock block across the rafters immediately below the ridge and fasten them to the rafters w/ a minimum of six (6) 10d nails.

-Roof sheathing shall be APA rated sheathing, exp. 1,  $\frac{5}{8}$ " thick,  $\frac{32}{16}$  or better span rating (U.N.O).

-See structural plans for all exterior wall, window & door header sizes w/ ½" plywood spacers (U.N.O.).

-All headers in interior 2x4 bearing walls shall be (2) 2x6's w/ $\frac{1}{2}$ " plywood spacers (U.N.O.). Exterior wall headers (up to 6' span) shall be (3) 2x8 (U.N.O.).

-Provide posting at each end of all beams and at other locations as shown on plans. See structural drawings for post sizes and locations. (2-2x min.).

-All posts shall be continuous down from their top point to foundation or carrying (transfer) beams.

Posts are typically called out at their top most point. Provide same post size below (U.N.O.). Provide solid blocking through floors beneath all posts.

-The roof shingle system applied to the sheathing must meet the wind velocity specification for the required wind velocity zone for the location of the structure (i.e. 110 MPH zone).

-The rafters shall be connected to the framing below using Simpson H1 rafter clips per space (U.N.O.) between the rafters that are attached to the structural ridge or ledger board shall be attached to the structural ridge or ledger board using adjustable rafter hangers .

-Sizes given for nails are common wire sizes. Box and pneumatic low carbon nails of equivalent diameter and equal or greater length to the specified common nails may be substituted. All mechanical connectors shall be installed following all manufacturers specifications for proper installation and nailing requirements.

### **FOUNDATIONS**

-G.C. shall coordinate all dimensions, openings, and elevations w/ architectural drawings and manufacturer's specifications.

-Excavate to lines and grades required to properly install the foundations on inorganic, undisturbed soil or controlled structural backfill as required by the engineer. No footing shall be placed upon frozen ground or in water.

-Backfill below footings and slabs shall be made w/ approved granular materials placed in 6" layers. Layers shall be compacted to 95% density at optimum moisture content, as defined by ASTM D1557, Method D.

-Exterior footings shall be placed on approved soil at a minimum depth of 4 feet, or as modified by the structural engineer, below the lowest adjacent ground exposed to freezing. Any adjustments of footing elevations due to field conditions must have the approval of the engineer.

-Soil bearing capacity: footings must be placed on soil w/ a minimum bearing capacity of 3000 pounds per square foot.

-Backfilling against walls or piers may only be done after walls or piers are braced to prevent movement. For wood framed residential construction, no backfilling of walls may take place until the first floor deck has been framed and sheathed, unless written approval is given by the engineer.

-Provide foundation drainage, waterproofing/ damp-proofing, and foundation wall insulation as indicated on the architectural drawings and shall be no less than requirements of the state building code.

-Provide metal or PVC sleeves in the foundation walls for sewer, gas, electric, and water lines, as required.

-Any site conditions requiring a deviation from these plans shall be brought to the attention of the engineer immediately.

### CONCRETE

-Footings shall be poured on undisturbed soil and shall be formed and have a 2x4 key way.

-Slab on grade shall be poured over a 10 mil polyethylene vapor barrier. Precaution shall be taken to prevent puncturing the vapor barrier during pouring operations.

-Install 4" PVC perforated drain pipe in crushed stone at interior perimeter of all foundation walls. Drain to sump or to daylight.

-All concrete work shall be preformed in conformance w/ the latest edition of ACI-318, "Building Code Requirements For Reinforced Concrete".

-Concrete shall achieve a minimum 28 day design strength as follows: footings, walls, interior slab-on-grade, and other concrete not otherwise specified - 3000 PSI. Exterior slabs exposed to weather - 4000 PSI.

-Reinforcing steel: typical - ASTM A615, Grade 60. Field bent - ASTM A615, Grade 40. All steel reinforcing bars shall be free of mill scale and rust. All reinforcing bars below base flood elevation shall be epoxy coated or galvanized.

-All wire mesh for slabs shall be ASTM A185 fabric set at the mid-depth of the slab. All reinforcing wire mesh below base flood elevation shall be epoxy coated or galvanized.

-Concrete cover provided for reinforcing bars shall be as follows:

Minimum

cover, inches.

(a) Concrete cast against and

D31 wire, and smaller.

No. 11 bar and smaller..... $\frac{3}{4}$ Beams, columns:

Primary reinforcement, ties,

### STRUCTURAL STEEL

stirrups, sprials

-Structural steel work shall conform to the American Institute of Steel Construction: "Specification for Structural Steel for Buildings", latest edition. Steel beams shall conform to ASTM A992, w/ a minimum yield strength of 50 KSI.

- The Contractor shall measure, verify and coordinate all dimensions in the field.

-Plate, angles, channels, and misc. fabricated hardware shall conform to ASTM A36, w/ a minimum yield strength of 36 KSI, rectangular steel tubing shall conform to ASTM A500, Grade B, with a minimum yield strength of 46 KSI.

-All steel to steel field connections shall be made by high strength bolting with ASTM A325 bolts or welding with E70-XX electrodes (U.N.O.).

-Welding to conform w/ AWS D1.1, using only certified welders and fabricators.

-Provide bearing plates for beams seated on concrete, wood or masonry.

-Steel shall be shop-painted w/ a modified alkyd primer (U.N.O.).

-All structural steel exposed to the weather shall be galvanized (U.N.O.).

-Structural steel shop drawings shall be prepared and submitted to the engineer for approval prior to fabrication. These drawings shall show complete and accurate member layout, sizes, grade, dimensions, connections, openings, accessories and all other information necessary for complete and accurate fabrication and assembly of the members. Provide templates or locations drawings for installation of anchor bolts.

-No cutting of or openings through steel will be permitted without the written approval of the engineer.

# ROBERT M. STANDERS STANDERS

Route 6-1653

Street 02346 ax 508-

5 East Grove S leborough, MA .946-3561 - Fa

Engine esign

V

5

### PERMIT SET FOR CONSTRUCTION

Sheet Title

Title

Tritle

And Address

ENOS RESIDENCE

A1 RIVERSIDE DRIVE

ONSET, MA

ONSET, MA

Contract
2020-099

Project
Enos Residence
Date
Dec. 15, 2020

Sheet

A 0 1

NAILIN	NG SCHEDULE	<u> </u>	
	EN FOR NAILS ARE COMMON WIRE SIZE AL OR GREATER LENGTH TO THE SPECIF TITUTED UNLESS OTHERWISE NOTED.		S
JOINT DESCRIPTION	NUMBER OF COMMON NAILS	NUMBER OF BOX NAILS	NAIL SPACING
ROOF FRAMING			
BLOCKING TO RAFTER (TOE-NAILED)	(2) 8d	(2) 10d	EACH END
RIM BOARD TO RAFTER (END-NAILED)	(2) 16d	(3) 16d	EACH END
WALL FRAMING		4	<u> </u>
TOP PLATES AT INTERSECTIONS (FACE-NAILED)	(4) 16d	(5) 16d	AT JOINTS
STUD TO STUD (FACE-NAILED)	(2) 16d	(2) 16d	24" o/c
HEADER TO HEADER (FACE-NAILED)	16d	16d	16" o/c ALONG EDGES
FLOOR FRAMING			_
JOIST TO SILL, TOP PLATE OR GIRDER (TOE-NAILED)	(4) 8d	(4) 10d	PER JOIST
BLOCKING TO JOIST (TOE-NAILED)	(2) 8d	(2) 10d	EACH END
BLOCKING TO SILL OR TOP PLATE (TOE-NAILED)	(3) 16d	(4) 16d	EACH BLOCK
LEDGER STRIP TO BEAM OR GIRDER (FACE-NAILED)	(3) 16d	(4) 16d	EACH JOIST
JOIST ON LEDGER TO BEAM (TOE-NAILED)	(3) 8d	(3) 10d	PER JOIST
BAND JOIST TO JOIST (END-NAILED)	(3) 16d	(4) 16d	PER JOIST
BAND JOIST TO SILL OR TOP PLATE (TOE-NAILED)	(2) 16d	(3) 16d	PER FOOT
ROOF SHEATHING (WOOD STRUCTURAL	PANELS)		
RAFTERS OR TRUSSES SPACED UP TO 16" o/c	8d	10d	6" EDGE / 6" FIELD
RAFTERS OR TRUSSES SPACED OVER 16" o/c	8d	10d	4" EDGE / 4" FIELD
GABLE ENDWALL RAKE OR RAKE TRUSS WITHOUT GABLE OVERHANG	8d	10d	6" EDGE / 6" FIELD
GABLE ENDWALL RAKE OR RAKE TRUSS	8d	10d	6" EDGE / 6" FIELD
WITH STRUCTRUAL OUTLOOKERS GABLE ENDWALL RAKE OR RAKE TRUSS w/LOOKOUT BL	OCKS 8d	10d	4" EDGE / 4" FIELD
CEILING SHEATHING			
GYPSUM WALLBOARD	5d COOLERS		7" EDGE / 10" FIELD
WALL SHEATHING		1	
WOOD STUCTURAL PANELS - STUDS SPACED UP TO 24	" 0/C 8d	10d	4" EDGE / 12" FIELD
1/2" AND 23/32" FIBERBOARD PANELS	8d <sup>1</sup>		3" EDGE / 6" FIELD
1/2" GYPSUM WALLBOARD	5d COOLERS		7" EDGE / 10" FIELD
FLOOR SHEATHING (WOOD STRUCTURA	.L PANELS)	11	<u>  L</u>
1" OR LESS	8d	10d	6" EDGE / 12" FIELD
1 OILEGO	-	16d	6" EDGE / 6" FIELD

		CL	IMATE ZO	NE 5 (RESIDEN	TIAL PROVISION	DNS)			
FENESTRATION U-FACTOR <sup>b</sup>	SKYLIGHT U-FACTOR <sup>b</sup>	GLAZED FENESTRATION SHGC <sup>b,c</sup>	CEILING R-VALUE	WOOD FRAME WALI R-VALUE	MASS WALL	FLOOR R-VALUE	BASEMENT WALL R-VALUE <sup>c</sup>	SLAB R-VALUE & DEPTH <sup>d</sup>	CRAWL SPACE WALL R-VALUE
0.32	0.55	NR	49	20 or 13+5	13 / 17	30 <sup>g</sup>	15 / 19	10, 2 ft	15 / 19
b. THE FENESTRAI EXCLUDED FRO EXCEED 0.30. C. "15/19" MEANS BASEMENT WAI INSULATION ON d. R-5 SHALL BE A WHICHEVER IS e. THE ARE NO SH f. BASEMENT WAI g. OR INSULATION	ION U-FACTOR C M GLAZED FENES R-15 CONTINUOL L. "15/19" SHALL THE INTERIOR OI SULATION AT THE DDED TO THE RE LESS IN CLIMATE GC REQUIREMEN L. INSULATION IS SUFFICIENT TO F IE IS CAVITY INSU	ILATION, THE INSTAL OLUMN EXCLUDES. ITRATION SHGC REQ US INSULATION ON T BE PERMITTED TO 1 EXTERIOR OF THE I INTERIOR OF THE B QUIRED SLAB EDGE ZONES 1 THROUGH TS IN THE MARINE Z NOT REQUIRED IN V ILL THE FRAMING C JUATION. THE SECON	SKYLIGHTS. " UIREMENTS "HE INTERIOF BE MET WITH HOME. "10/1: ASEMENT W. R-VALUES FI 3 FOR HEAT ONE. VARM-HUMIE AVITY, R-19 I	THE SHGC COLUM IN CLIMATE ZONES OR EXTERIOR OF IR-13 CAVITY INSI S" MEANS R-10 CO ALL. OR HEATED SLABS ED SLABS. O LOCATIONS AS E MINIMUM.	I APPLIES TO ALL 1 THROUGH 3 WI THE HOME OR R-1 LATION ON THE II NTINUOUS INSUL INSULATION DEF	GLAZED FENE HERE THE SHO 9 CAVITY INSI VITERIOR OF TI ATION ON THE TH SHALL BE E R301.1 AND	ESTRATION. EXC GC FOR SUCH SI JULATION AT THE HE BASEMENT V INTERIOR OR EX THE DEPTH OF TABLE R301.1.	EPTION: SKYLIG (YLIGHTS DOE INTERIOR OF TAIL PLUS R-5 (YERIOROF THI	GHTS MAY BE S NOT THE CONTINUOUS E HOME OR OR 2 FEET,
		WHEN MORE THAN I							
				102.1.4 EC			RS <sup>a</sup>		
	T	CL	IMATE ZO	NE 5 (RESIDEN	TIAL PROVISIO	JNS)			
	SKYLIGHT U-FACTOI		R	A/AII	ASS WALL FACTOR <sup>b</sup>	FLOOR U-FACTOR	BASEN WAI U-FAC	LL SP	CRAWL ACE WALL -FACTOR
FENESTRATION U-FACTOR	U-I ACTO								
0.32	0.55	0.026 CTORS SHALL B		0.060	0.082	0.033	0.0		0.055

WALL OPENING FRAMING SCHEDULE - U.O.N.						
HEADER SPAN	LOADBEARING WALL MINIMUM HEADER SIZE	NON-LOADBEARING WALL MINIMUM HEADER SIZE	OPENING LOCATION	NO. OF KING STUDS	NO. OF JACK STUDS	
2ғт	2 - 2x4	1 - 2x4 (FLAT)	≤ 3'-0" FROM OUTSIDE CORNER	2	2	
3ғт	2 - 2x4	1 - 2x4 (FLAT)	S 5-0 FROM OUTSIDE CONNER	2	2	
4 <sub>FT</sub>	2 - 2x4	1 - 2x4 (FLAT)	> 3'-0" FROM OUTSIDE CORNER	2	1	
5 <sub>FT</sub>	2 - 2x4	1 - 2x4 (FLAT)		3		
<b>6</b> FT	2 - 2x6	2 - 2x4				
<b>7</b> FT	2 - 2x8	2 - 2x4	ALL LOCATIONS		2	
8FT	2 - 2x12	2 - 2x4				
9 <sub>FT</sub>	3 - 2x10	2 - 2x6				
10 <sub>FT</sub>	3 - 2x12	2 - 2x6	ALLLOGATIONS			
11ғт	4 - 2x10	2 - 2x6	ALL LOCATIONS	4	2	
<b>12</b> FT	MUST BE ENGINEERED	2 - 2x6	ALL LOCATIONS	5	2	

WALL OPENING FRAMING SCHEDULE				
WINDOW SIZE WINDOW LOCATION		NO. OF KING STUDS	NO. OF JACK STUDS	
≥ 5'-0"	≤ 3'-0" FROM OUTSIDE CORNER	3	2	
< 5'-0"	≤ 3'-0" FROM OUTSIDE CORNER	2	2	
< 5'-0"	> 3'-0" FROM OUTSIDE CORNER	2	1	

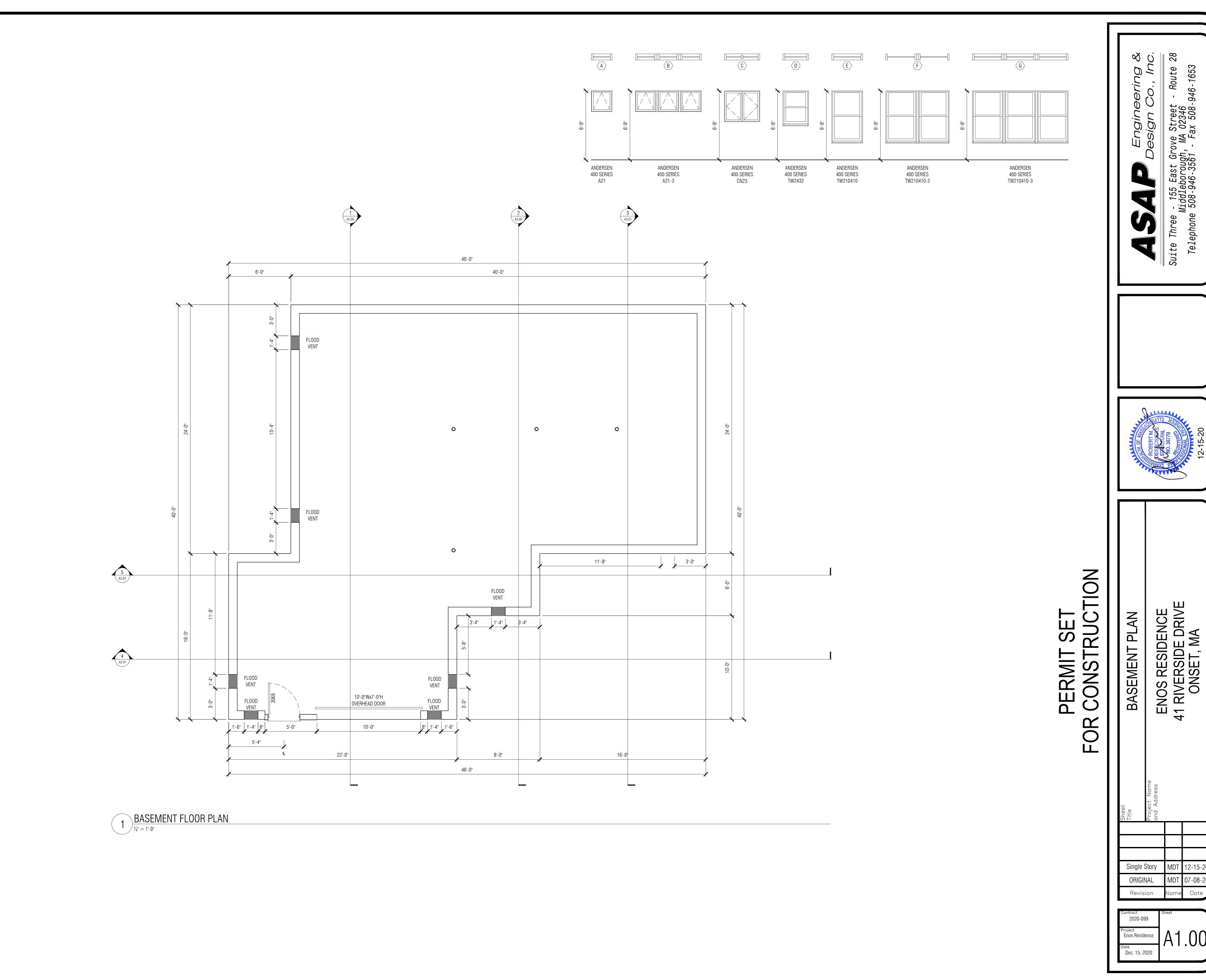
### NATIVE LUMBER NOTES:

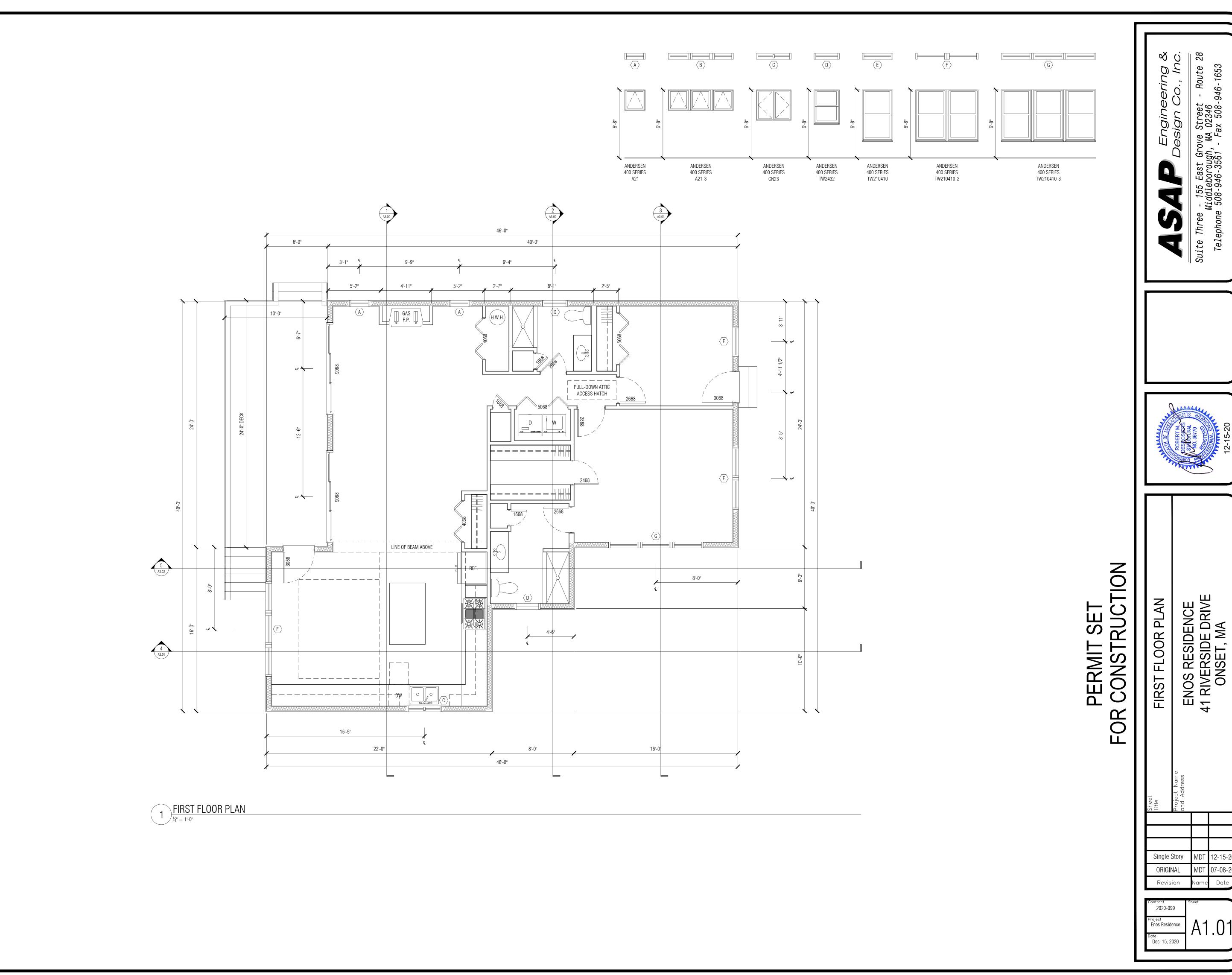
- All 2x (actual) framing lumber to be native eastern white pine. Lumber is designed in accordance with 780 CMR 110.R4 and Chapter 23 of the International Building Code 2009 w/ Massachusetts Amendments.

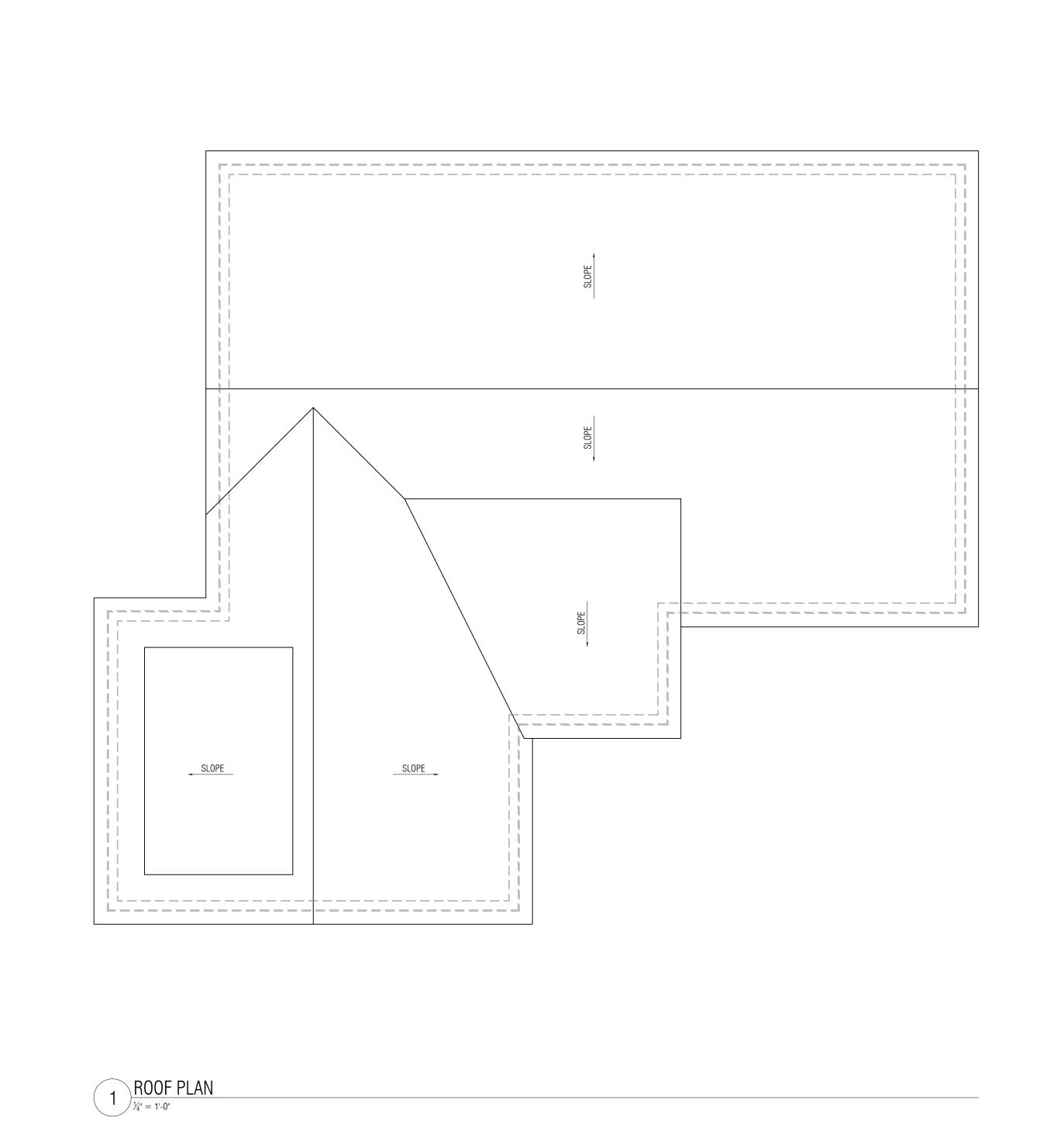
-All framing lumber be produced by a registered Massachusetts Native Lumber producer and shall be stamped with the name and registration number of the producer in accordance with 780 CMR 110.R4 and bear an approved mark indentifying the species of wood.

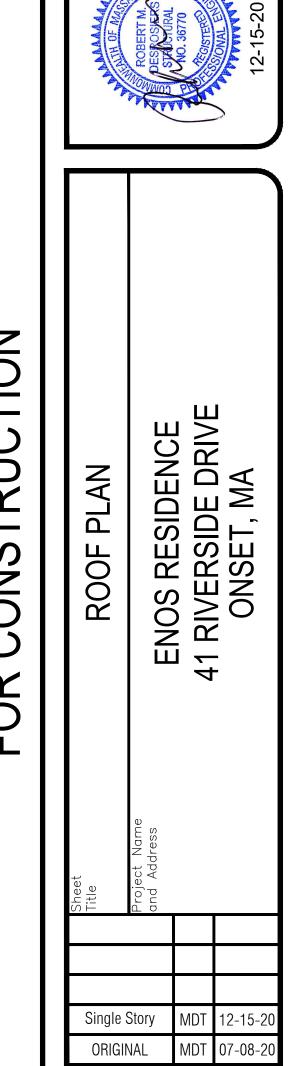
### PERMIT SET OR CONSTRUCTION

Sheet Title GENERAL TABLES & SCHEDULES	Project Name and Address	41 RIVERSIDE DRIVE	ONSET, MA
<i>0)</i> ⊢			
Single	Story	MDT	12-15-20
	ORIGINAL		07-08-20
Revi	Revision		Date
Contract 2020-(		Sheet	
Project Enos Resi		۸ ۸	$\cap$
55 1,561		/ \ I	/









Revision

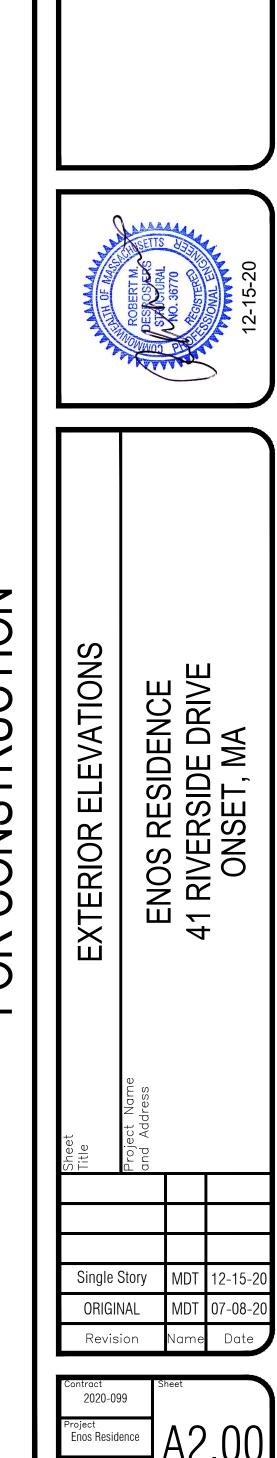
**1** 1 EXTERIOR ELEVATIONS

1/4" = 1'-0"



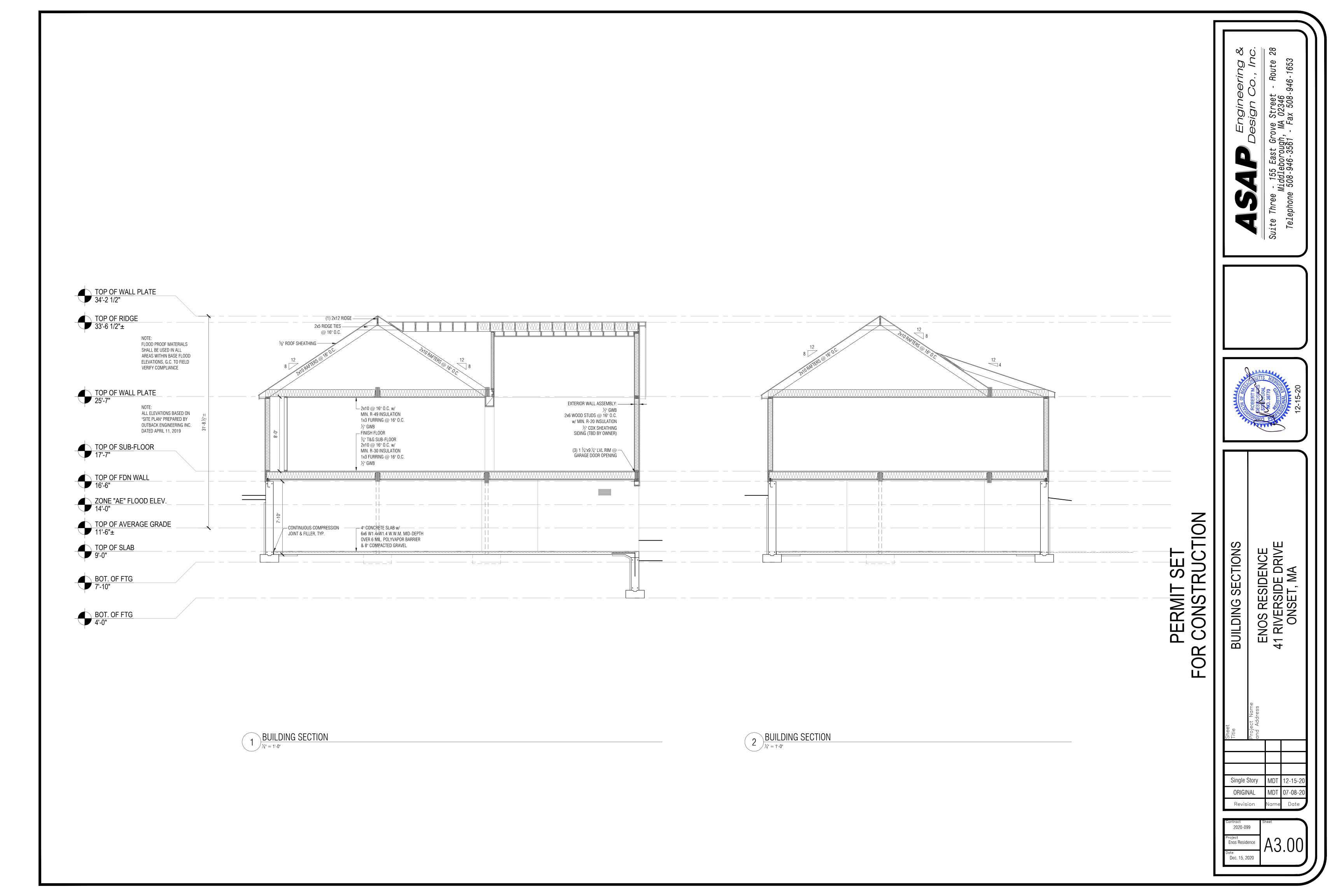


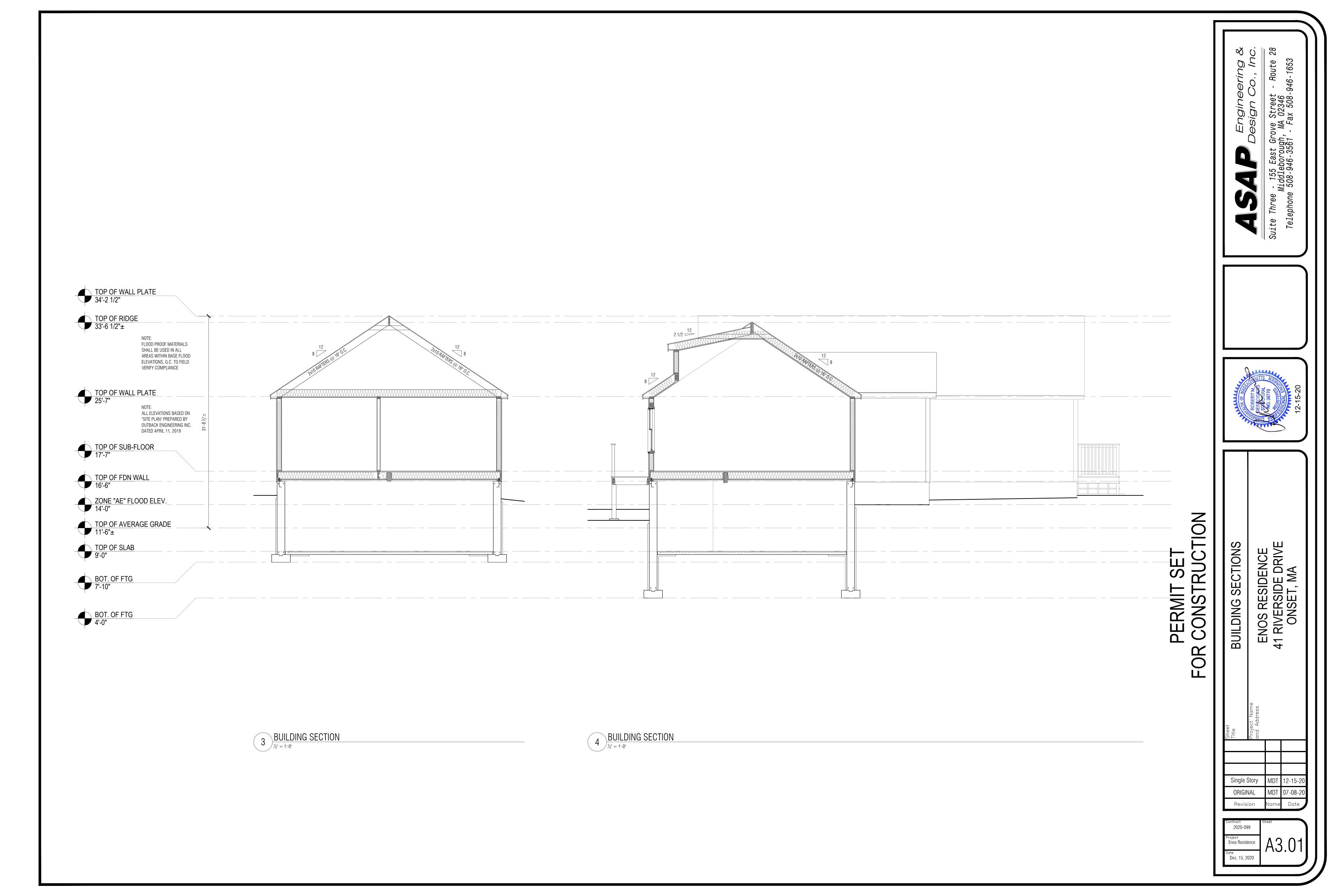
# PERMIT SET FOR CONSTRUCTION

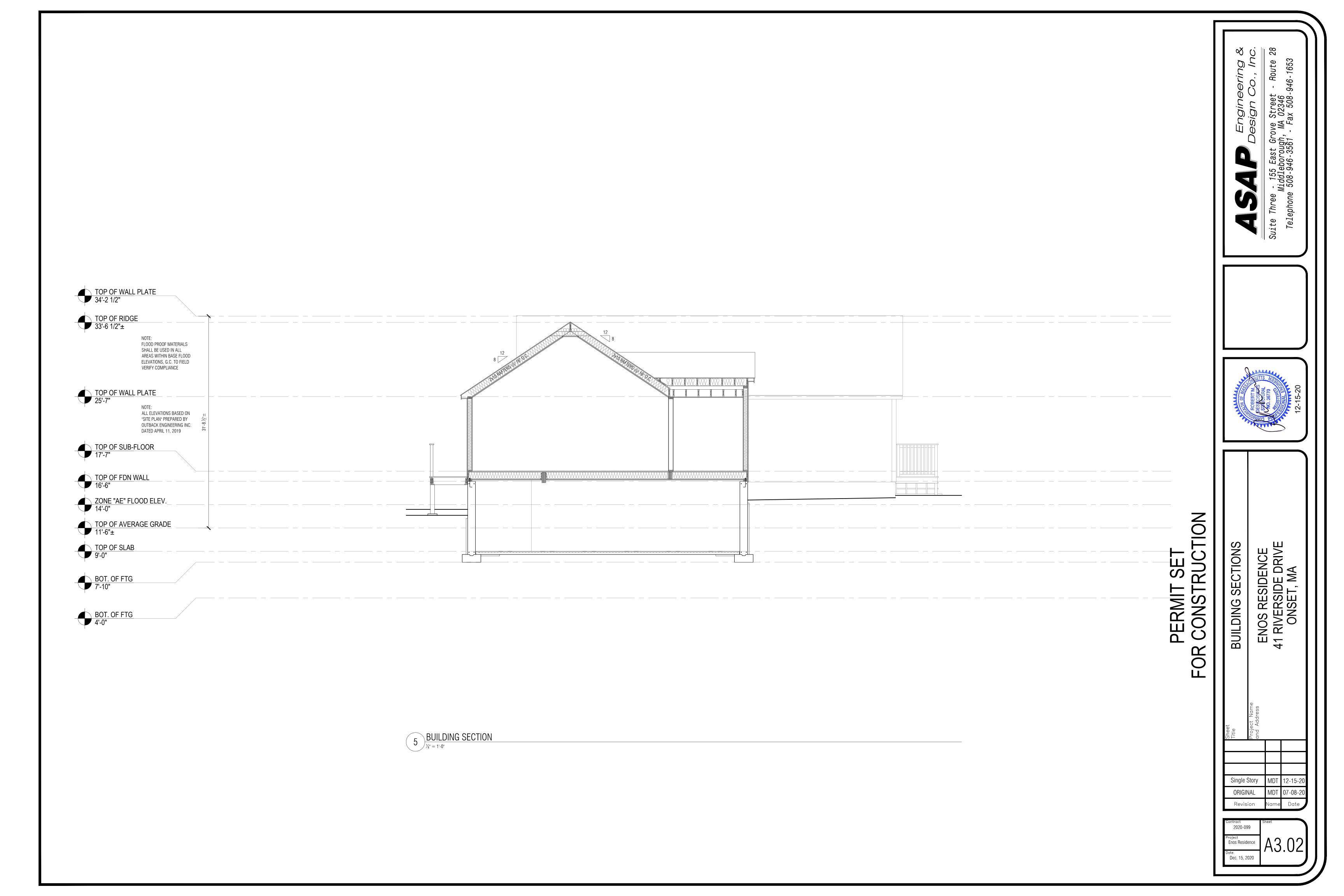


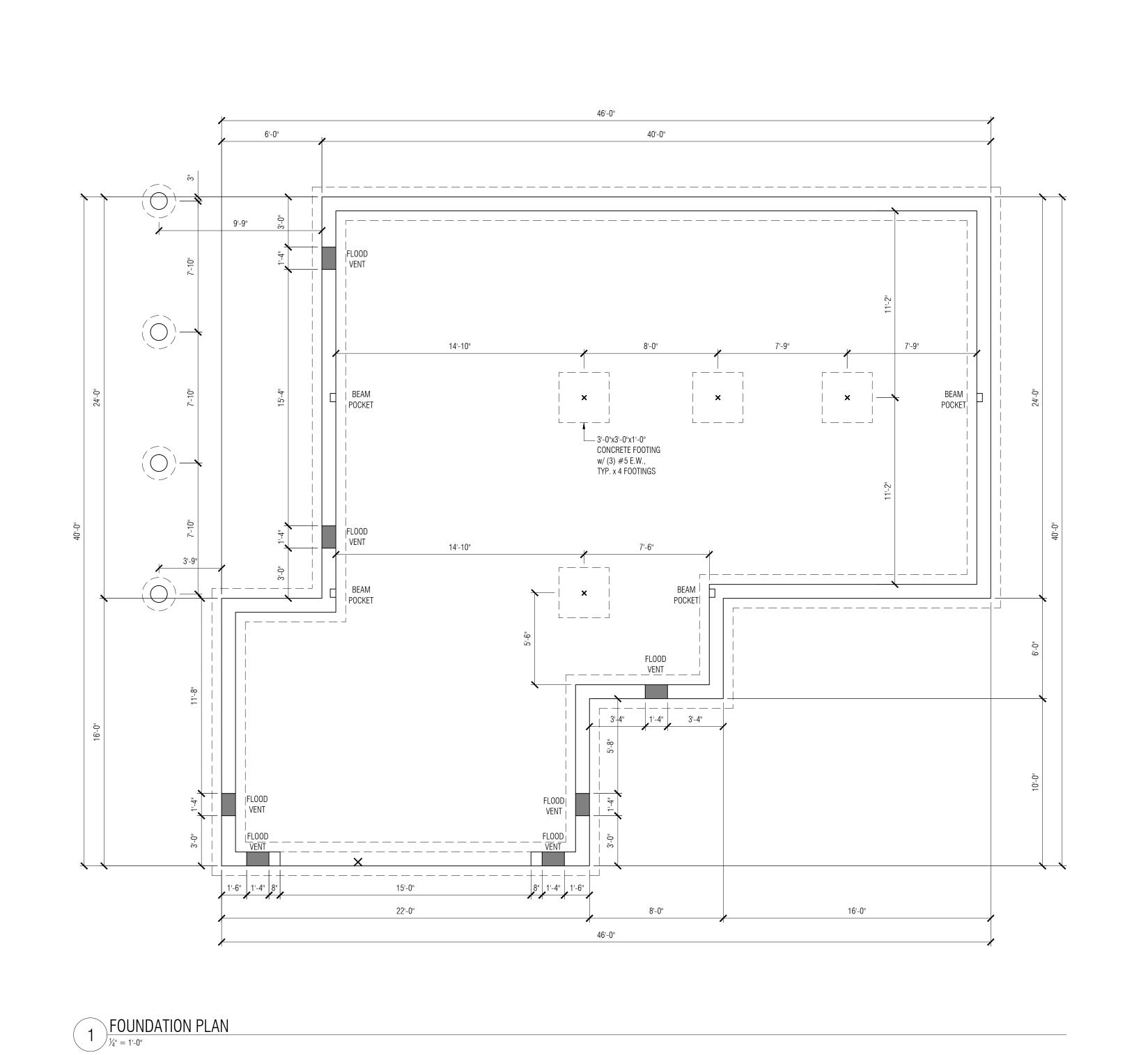


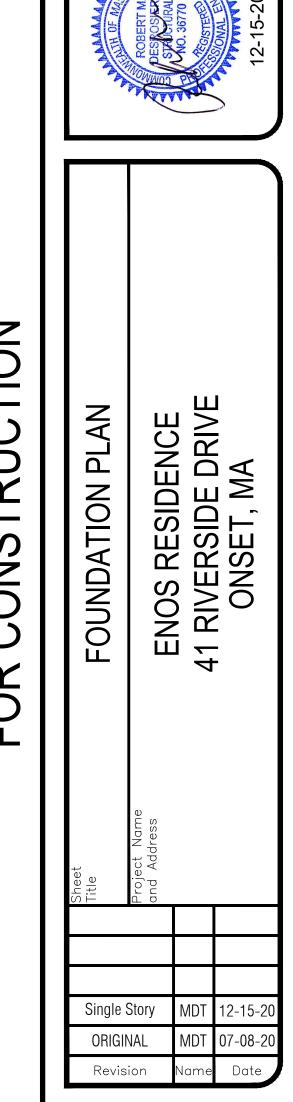




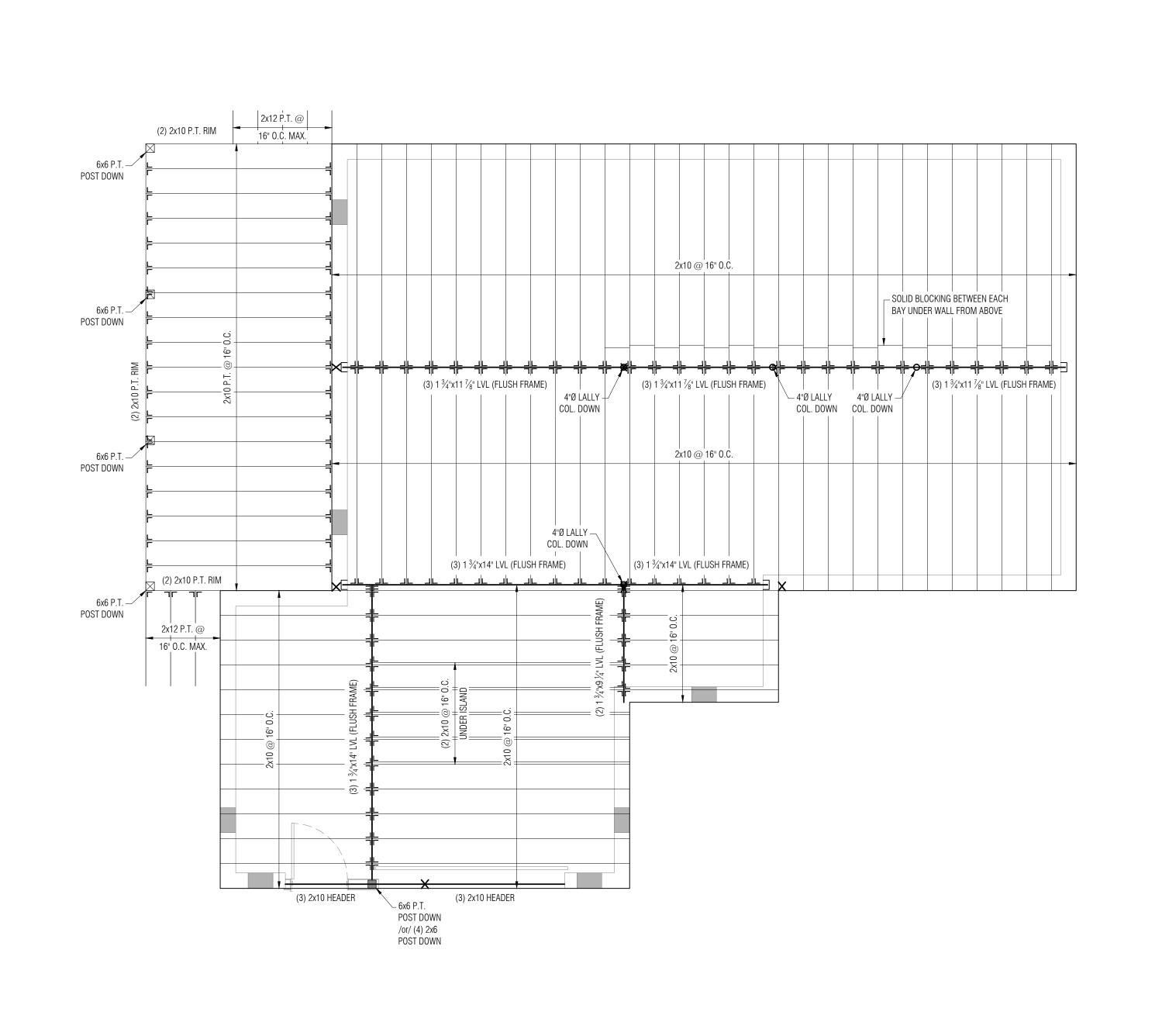






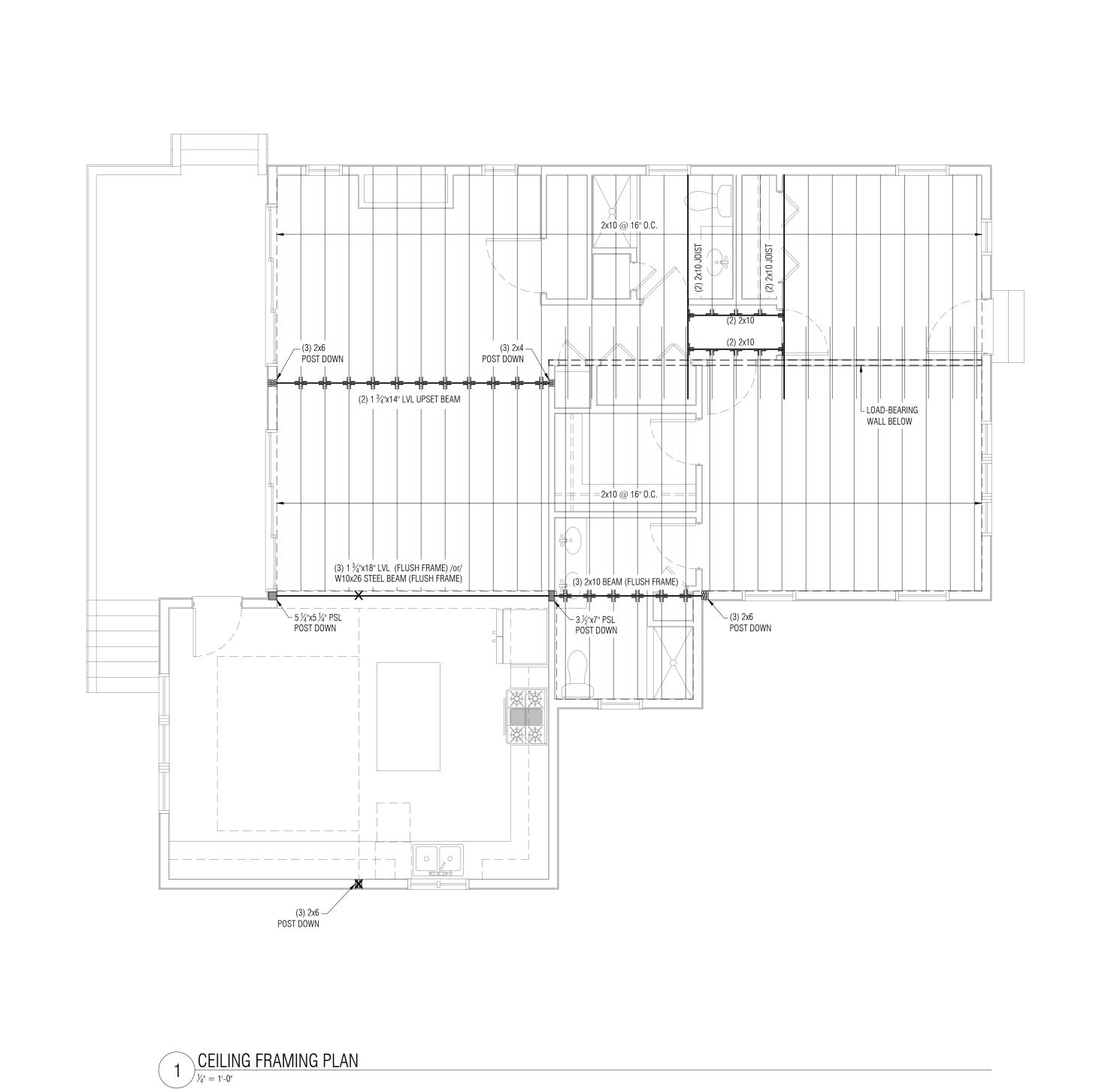


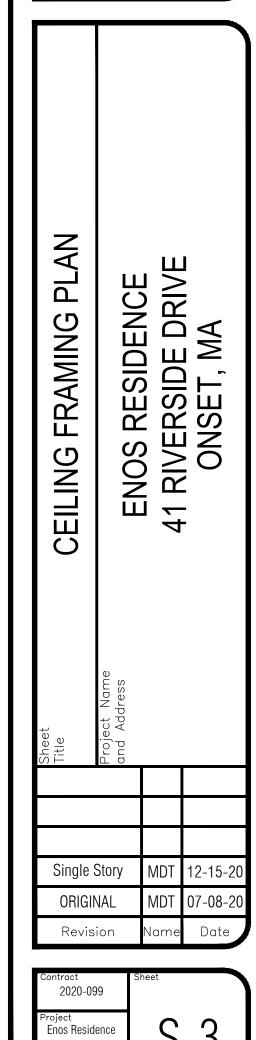
Enos Residence

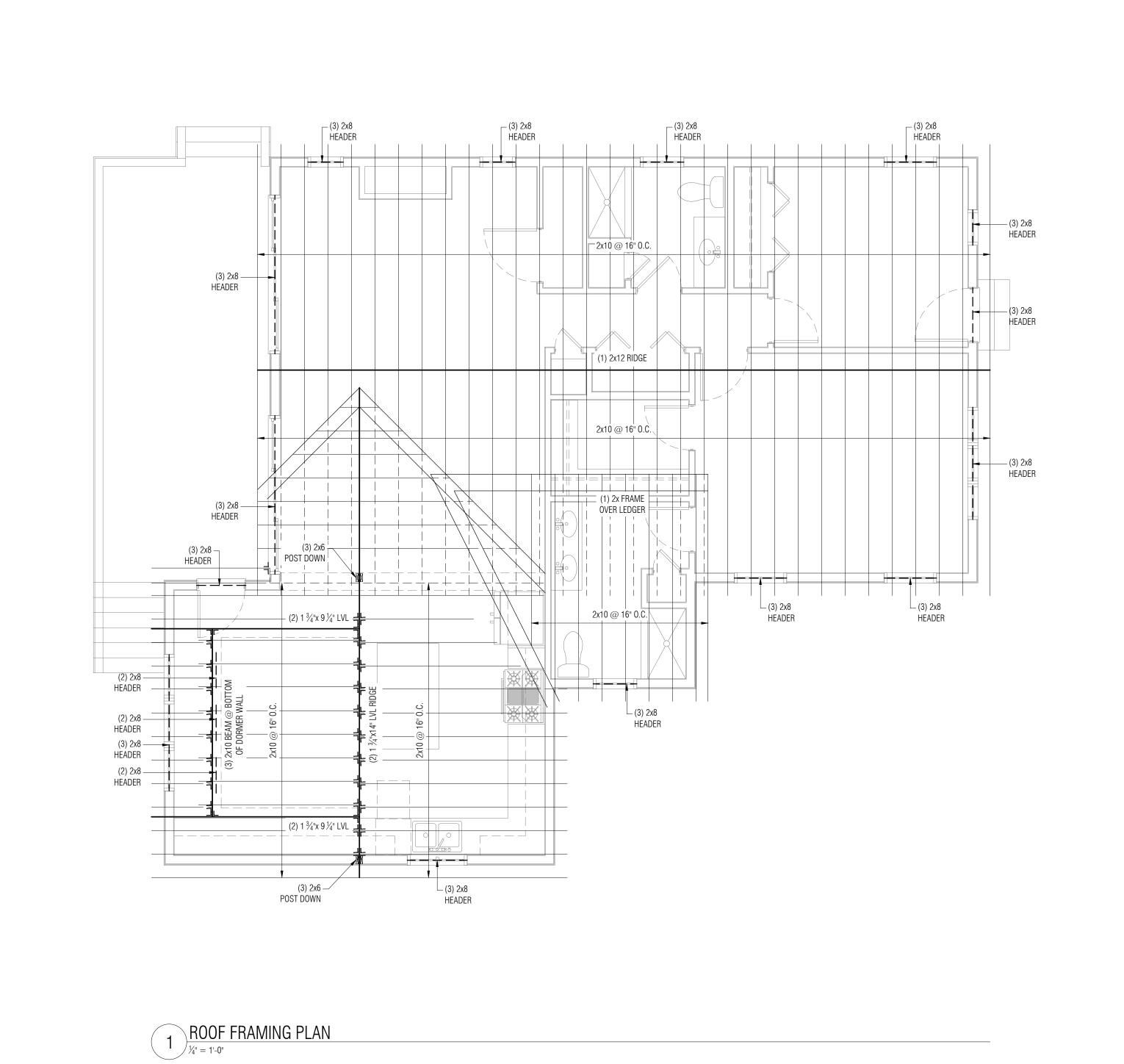


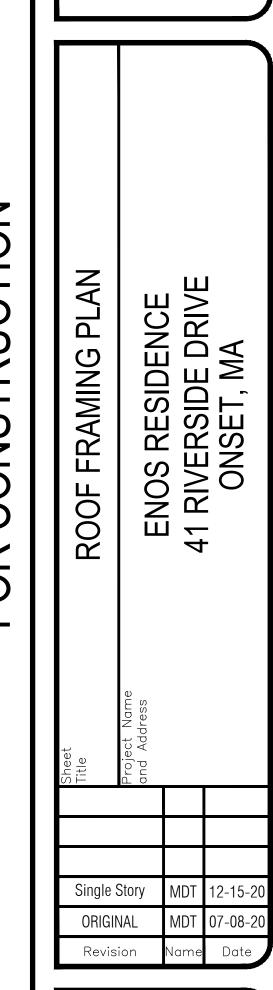
# PERMIT SET FOR CONSTRUCTION











Project Enos Residence

