

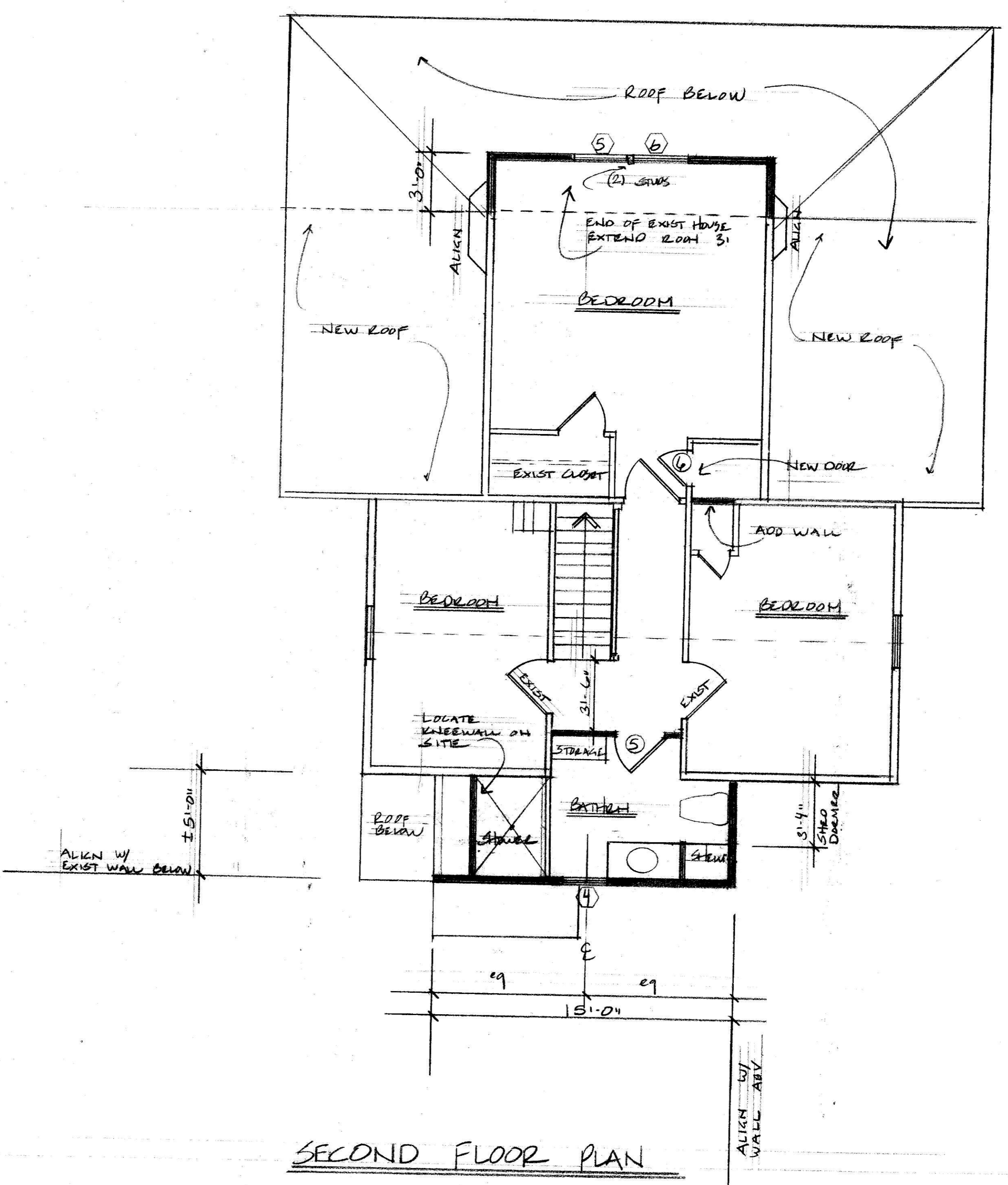
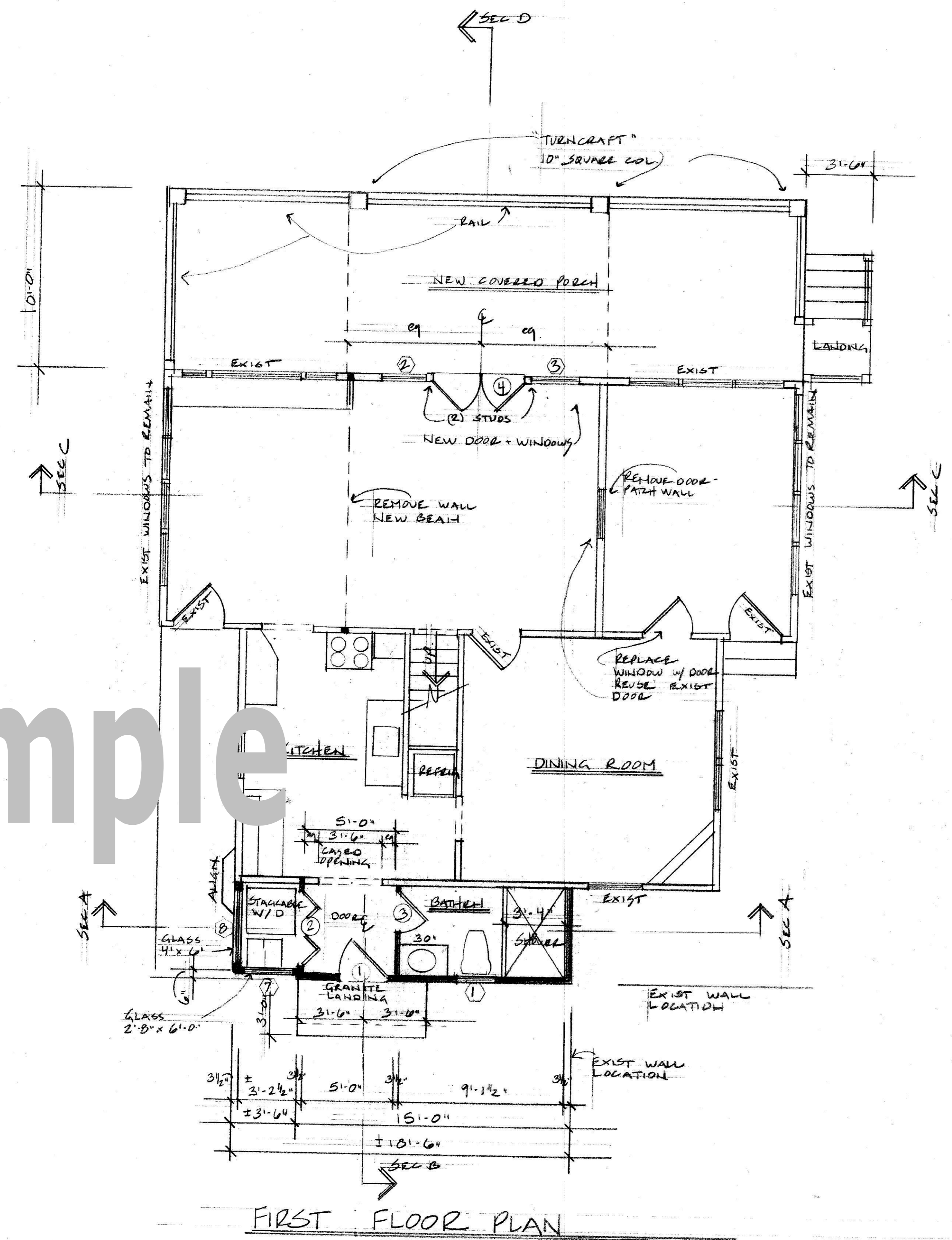


Reviewed for Code Compliance
Permitting and Inspections Department
Approved with Conditions
11/29/2018

REVISIONS	BY
6/25/18	

Elise Braceras Stone, Architects
288 Old Marlboro Road, Concord MA elstone@comcast.net
(617) 306-6339

Sample



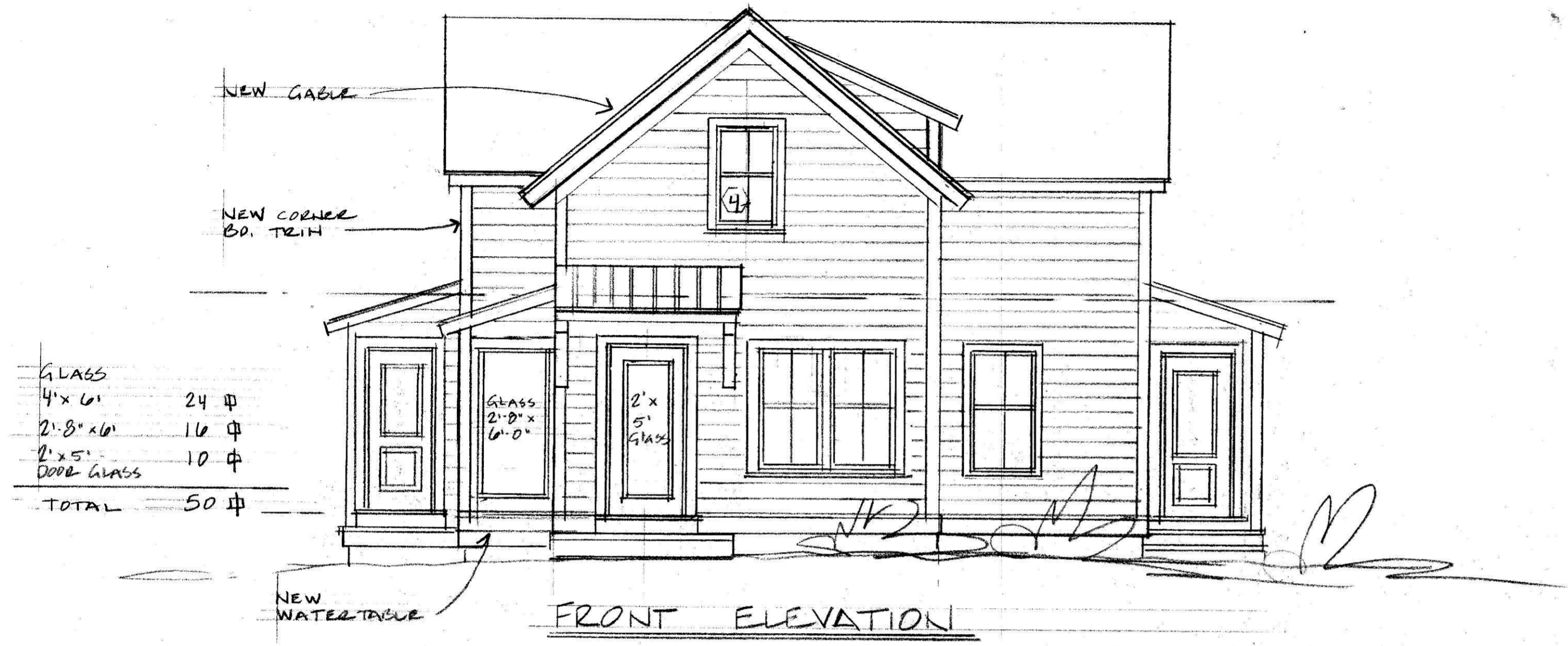
WELBRENER RESIDENCE
25 OAK AVE PEARS ISLAND MAINE
FLOOR PLANS

DRAWN
CHECKED
DATE 15/18
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JOB NO.
SHEET
A-1
OF SHEETS

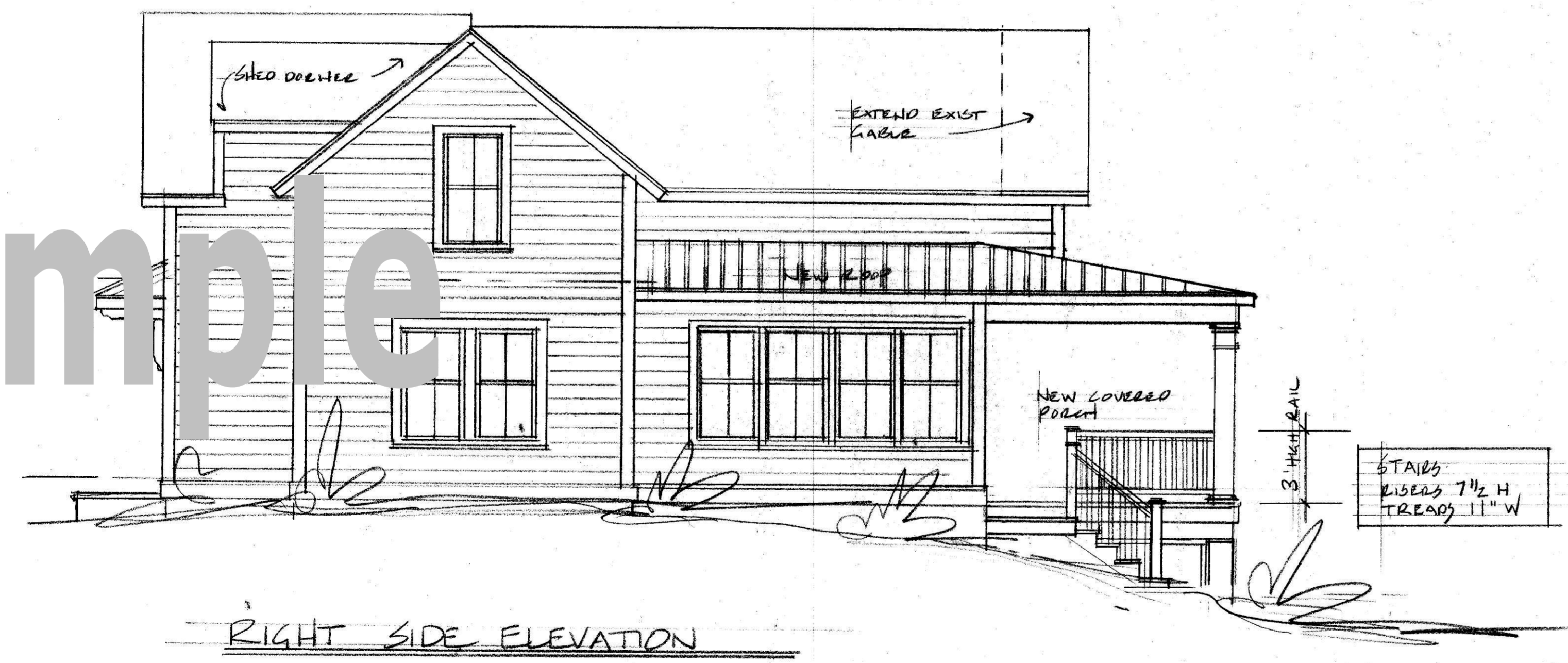


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 11/29/2018

REVISIONS	BY
6/25/18	



GLASS	
4' x 6'	24 #
2' 8" x 6"	16 #
2' x 5'	10 #
DOUBLE GLASS	
TOTAL	50 #



Sample

Elise Braceras Stone, Architects
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 (617) 306-6359
 elstone@comcast.net

WEILBRENNER RESIDENCE
 25 OAK AVE PEAS ISLAND MAINE
 ELEVATIONS

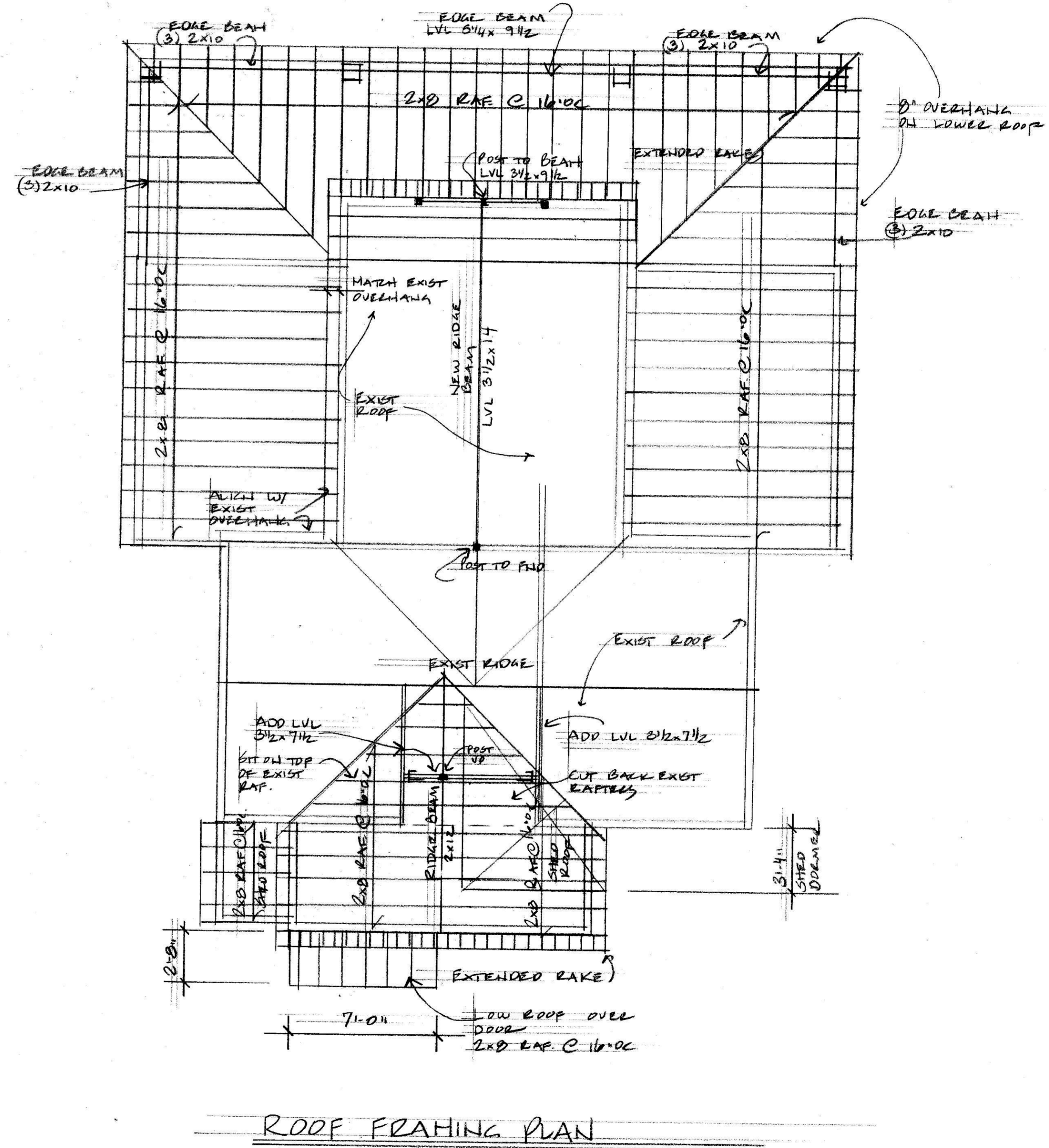
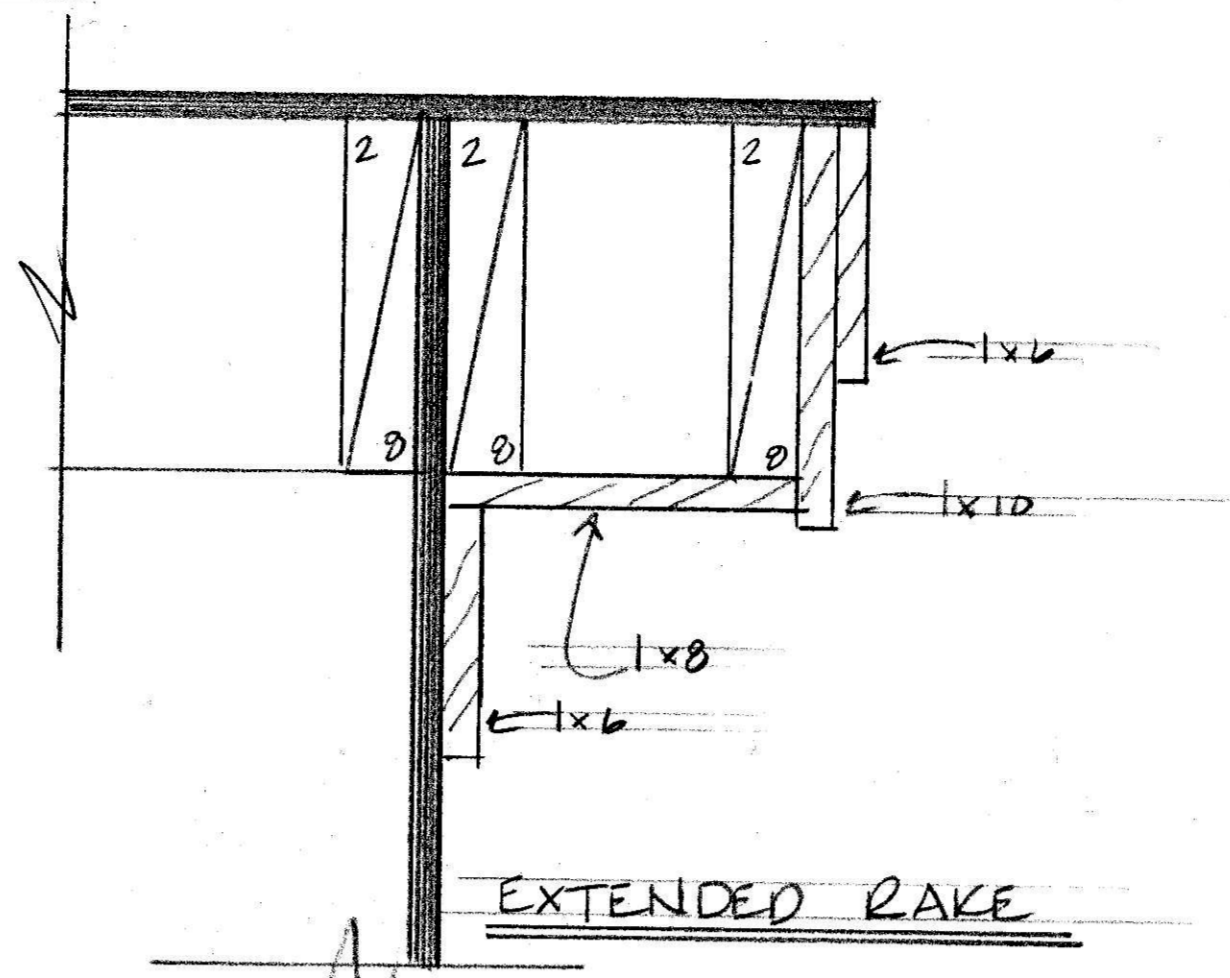
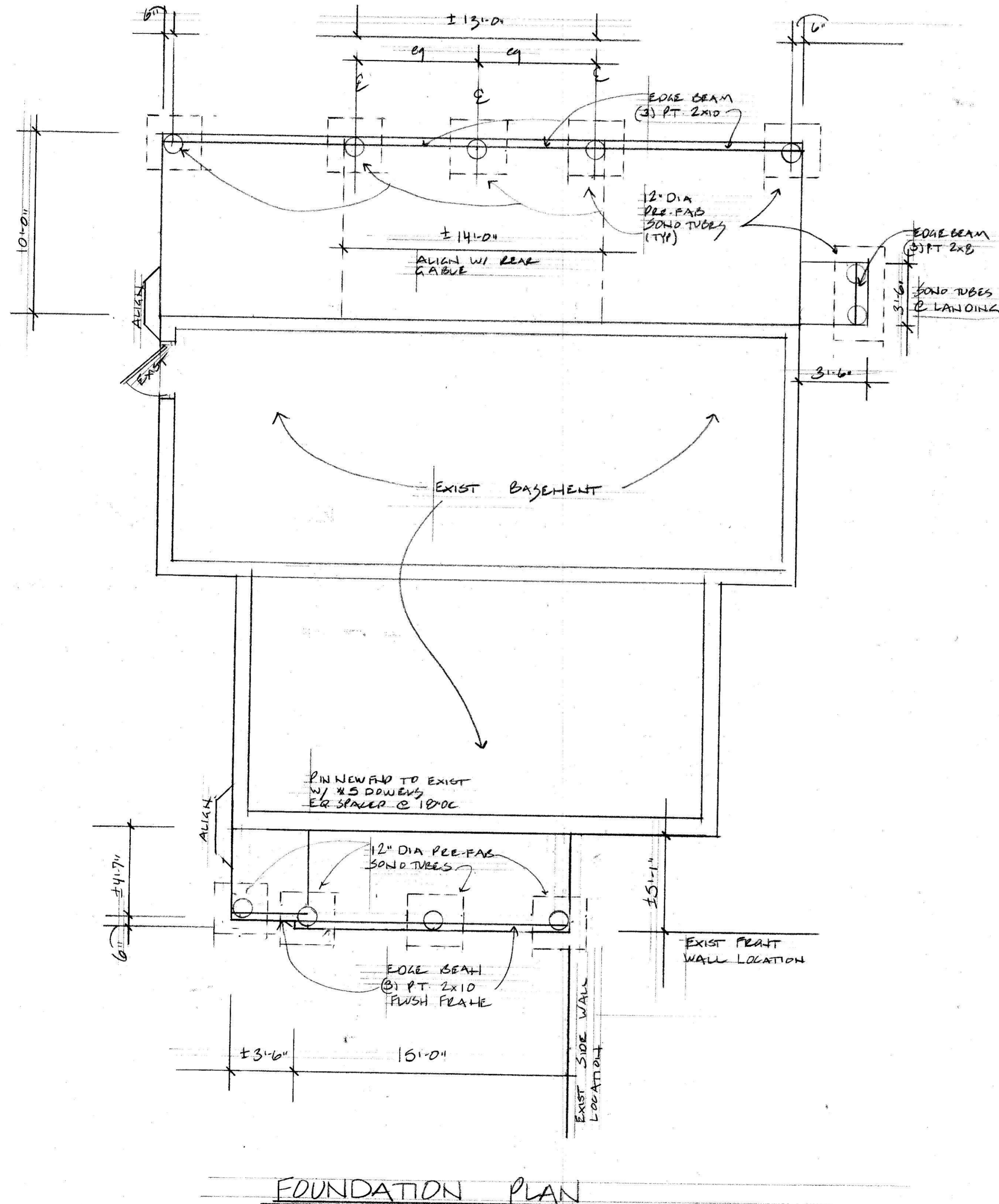
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CHECKED
DATE 1/15/18
SCALE 1/4" = 1'-0"
JOB NO.
SHEET A-2
OF SHEETS



REVISIONS	BY
6/25/18	

Elise Braceras Stone, Architects
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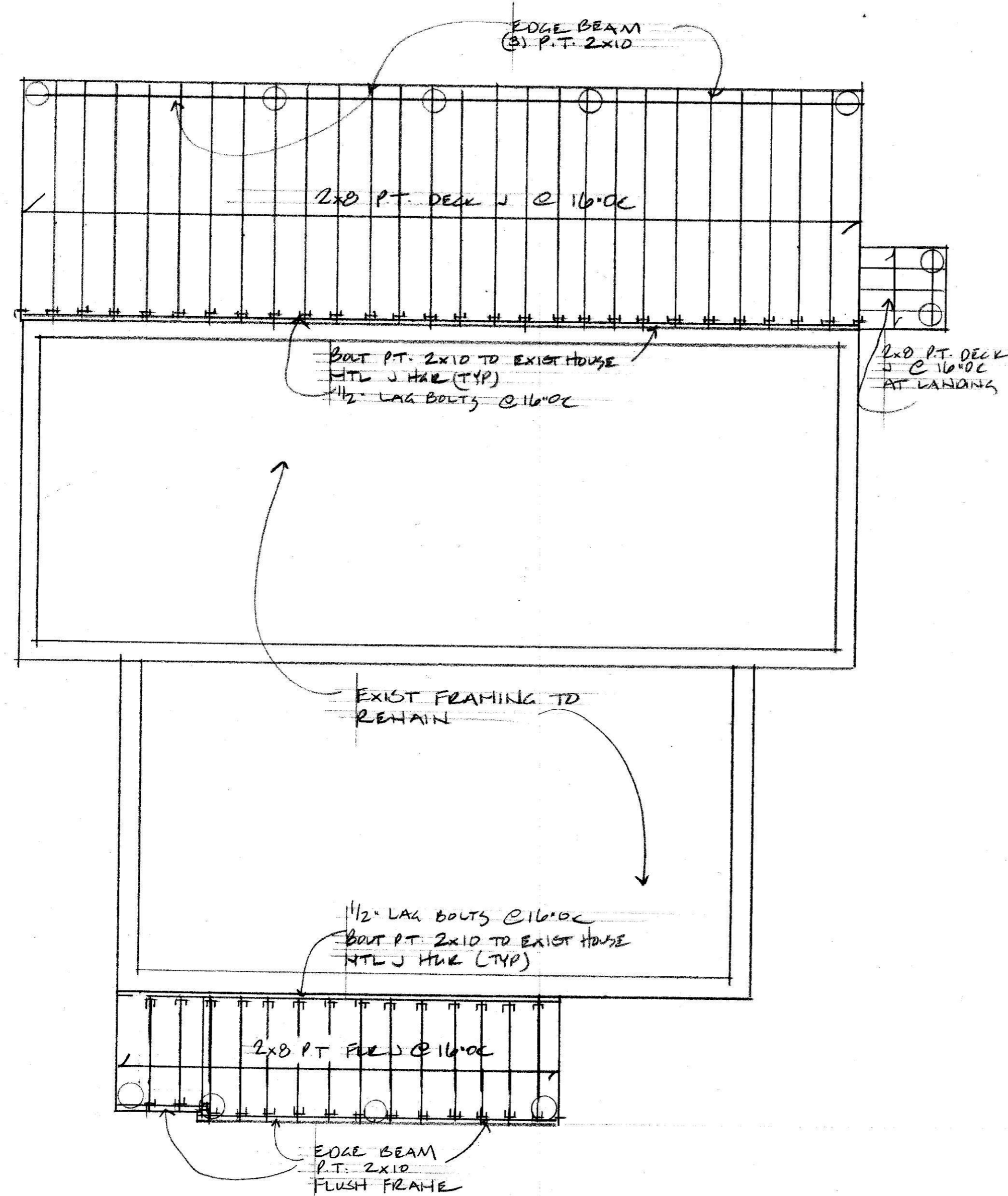
WELBRENNER RESIDENCE
25 ONE AVE PEAS ISLAND MAINE
FOUNDATION PLAN / ROOF FRAMING PLAN



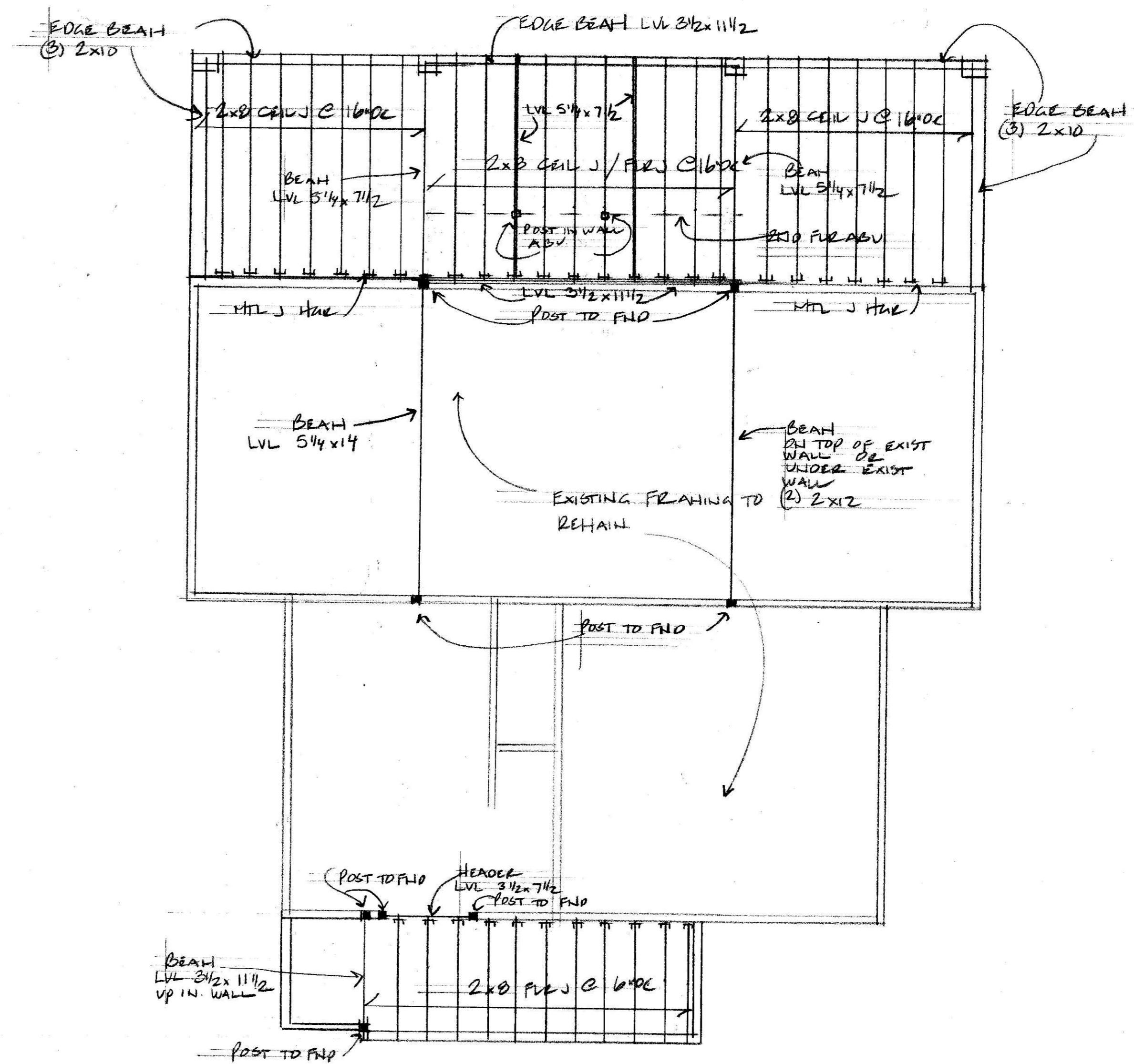


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 11/29/2018

REVISIONS	BY
6/25/19	



FIRST FLOOR FRAMING PLAN



SECOND FLOOR FRAMING PLAN

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 elstone@comcast.net

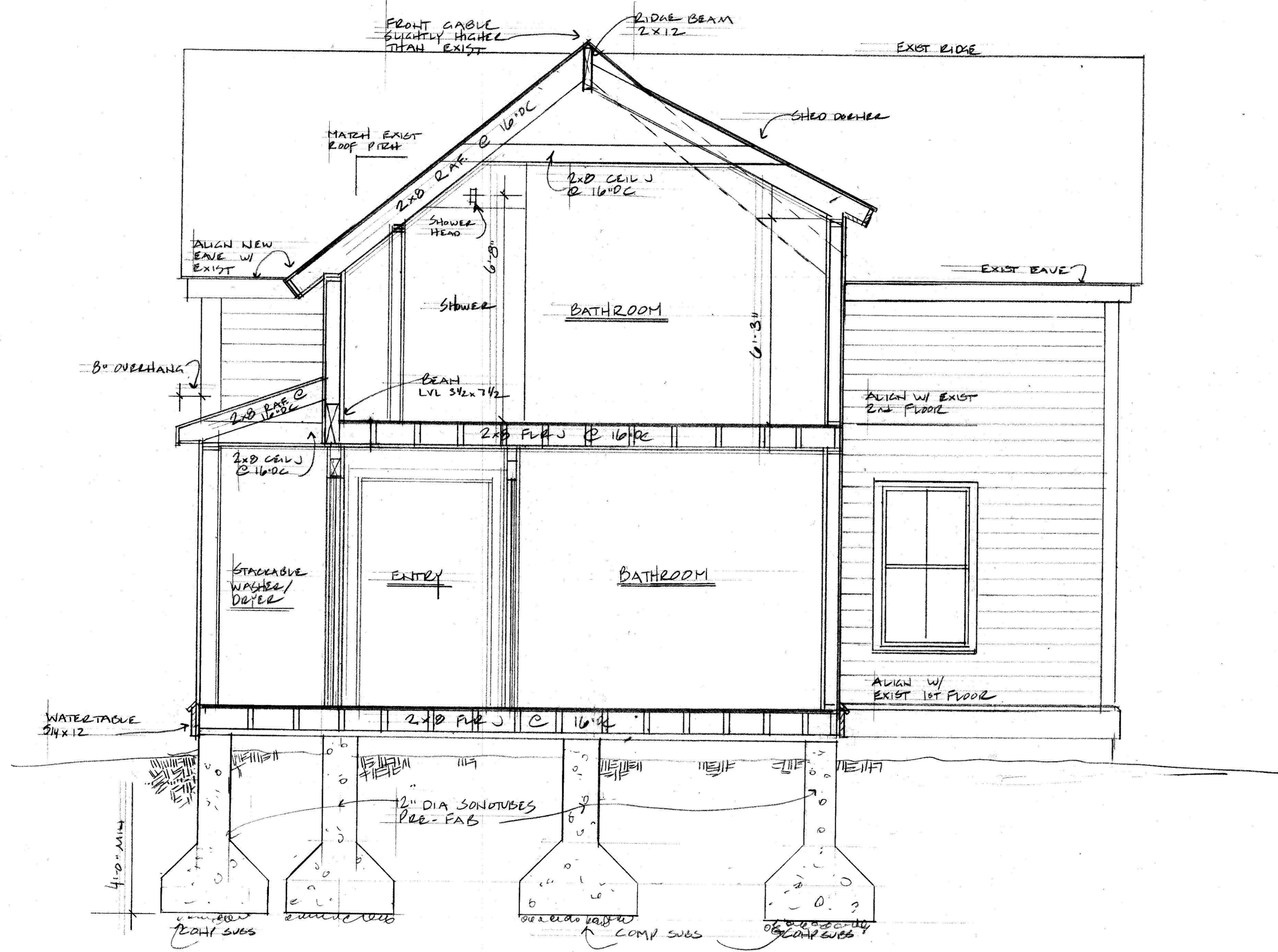
WEILBRENNER RESIDENCE
 25 OAK AVE PEARS ISLAND MAINE
 FRAMING PLANS

DRAWN
CHECKED
DATE 1/15/18
SCALE 1/4" = 1'-0"
JOB NO.
SHEET A-4
OF SHEETS

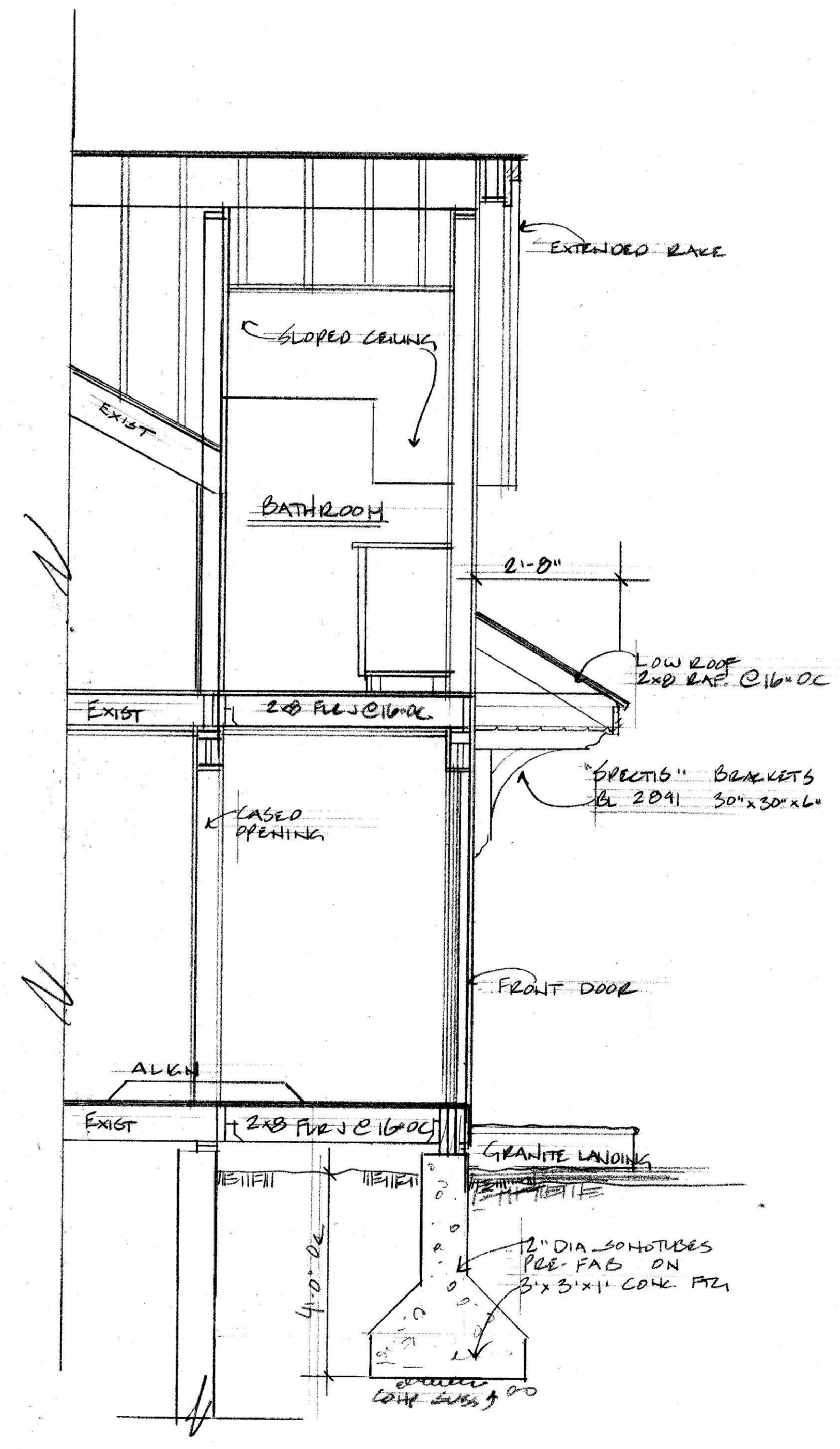


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 11/29/2018

REVISIONS	BY
6/25/18	



SECTION A



SECTION B

Elise Braceras Stone, Architects
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 elstone@comcast.net
 (617) 306-6359

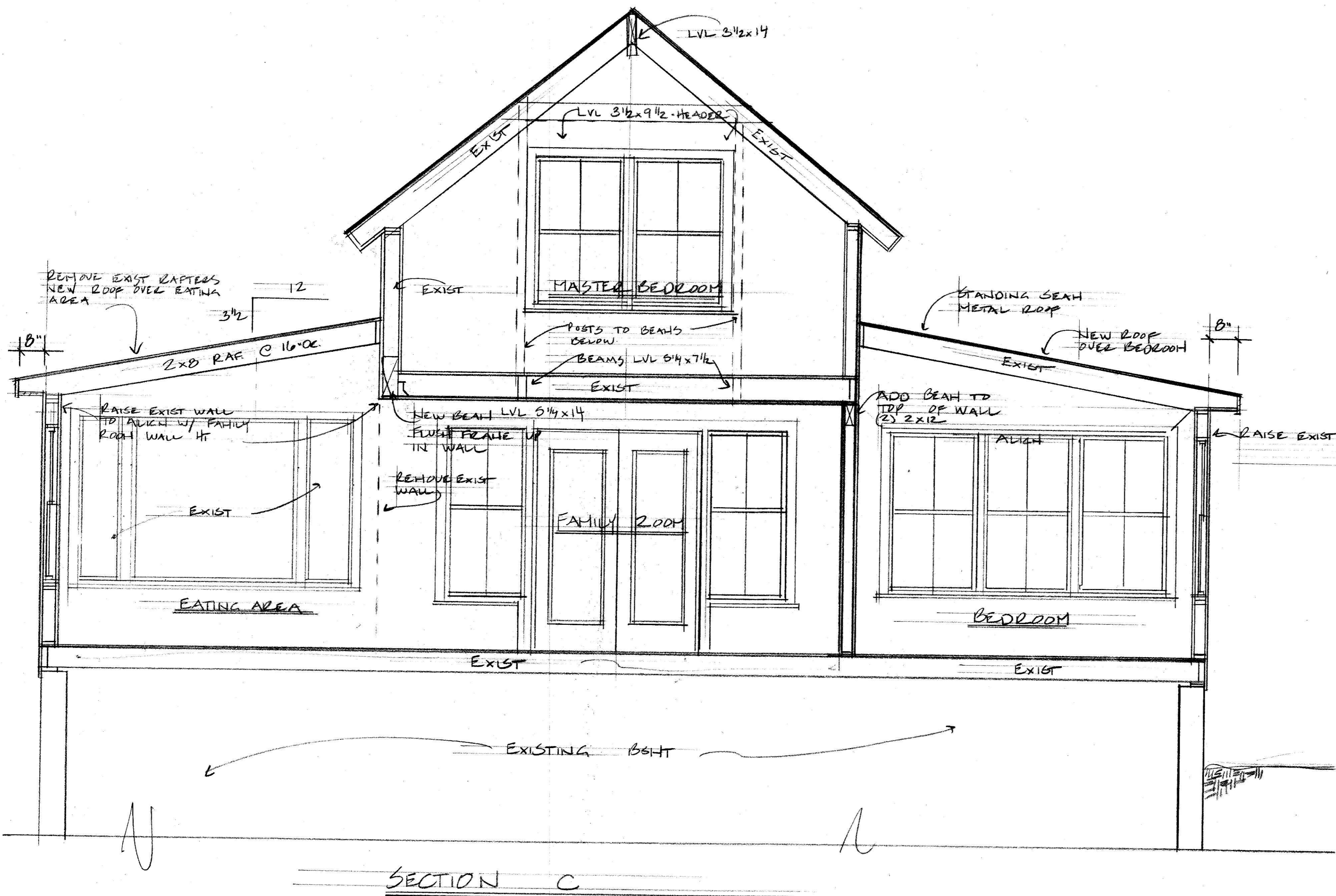
WEILBRENNER RESIDENCE
 25 OAK AVE PEAKS ISLAND MAINE
 SECTION A - B

DRAWN
CHECKED
DATE 1/15/18
SCALE 1/2" = 1'-0"
JOB NO.
SHEET A-5
OF SHEETS



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11/29/2018

REVISIONS	BY



NO.	MANUF.	MODEL #	SIZE	RD.	TYPE	LOCATION
1	ANDERSEN	A-21	2'-3 1/2" x 2'-0"		AWNING 4LT TAPERED	BATHRM - 1ST FLR
2		TW2446	2'-6 1/2" x 4'-8 3/4"		DOUBLE 2/2	FAMILY ROOM
3						
4		TW2032	2'-2 1/2" x 3'-4 7/8"		DOUBLE 2/2 TAPERED	BATHRM - 2ND FLR
5		TW2042	2'-8 1/2" x 4'-4 7/8"			MASTER BEDRM
6						

NO.	MANUF.	MODEL #	SIZE (ACTUAL UNLESS NOTED)	TYPE	LOCATION
1	SHRON	7222	3'-0" x 6'-8"	3/4 FRENCH DOOR	ENTRY
2			(2) 2'-0" x 6'-8"	BIPAD MATCH EXIST	LAUNDRY
3			2'-2" x 6'-8"	INT DOOR	BATHRM
4	ANDERSEN		(2) 2'-6" x 5'-0"	FRENCH DR INSWING	FAMILY RM
5			2'-0" x 6'-8"	INT DOOR	BATHRM
6			1'-9" x 6'-8" (VERIFY ON SITE)		CLOSET

Elise Braceras Stone, Architects
 288 Old Marlboro Road, Concord MA 01735
 elstone@comcast.net
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WEILBRENNER RESIDENCE
 25 OAK AVE PEAKS ISLAND MAINE
 SECTION C

DRAWN
 CHECKED
 DATE 1/15/18
 SCALE 1/2" = 1'-0"
 JOB NO.
 SHEET
 A-6
 OF SHEETS



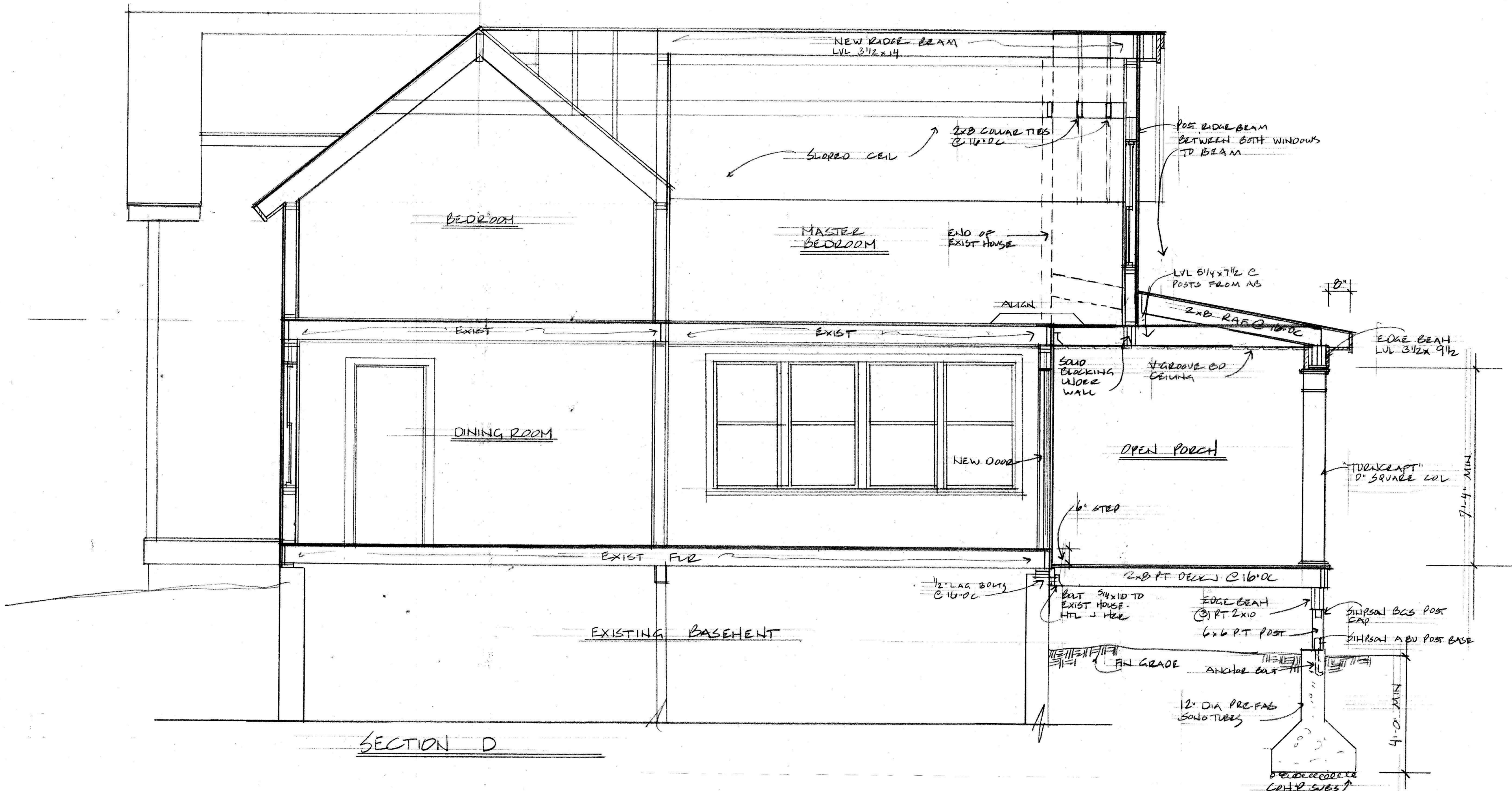
Reviewed for Code Compliance
 Permitting and Inspections Department
 Approved with Conditions
 11/29/2018

REVISIONS	BY

Elise Braceras Stone, Architects
 288 Old Marlboro Road, Concord MA, elstone@comcast.net
 (617) 306-0339

WELBRENNER RESIDENCE
 25 OAK AVE PEARS ISLAND MAINE
 SECTION D

DRAWN
CHECKED
DATE 1/15/18
SCALE 1/2" = 1'-0"
JOB NO.
SHEET A-7
OF SHEETS

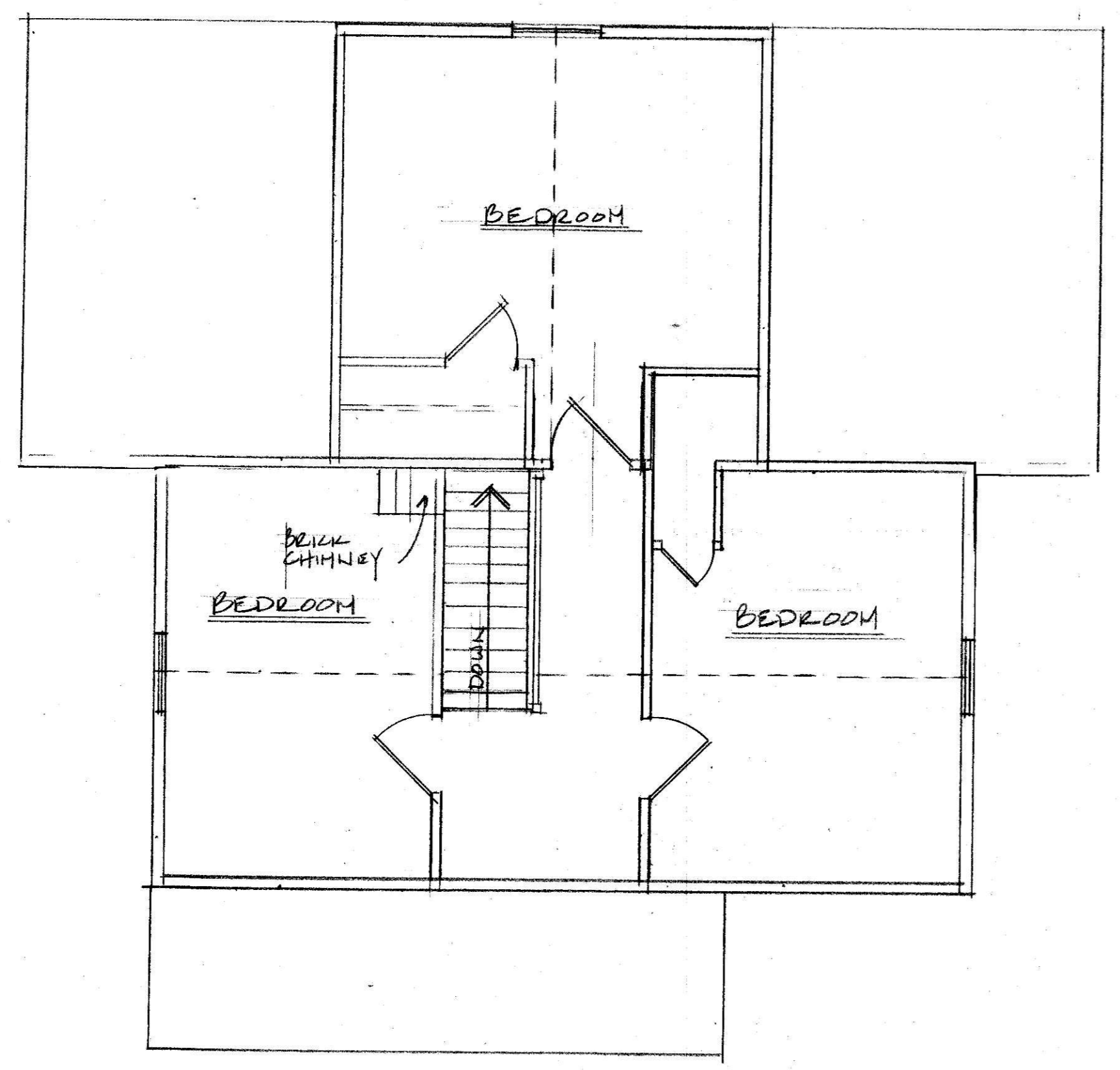


- Notes:
1. Typical roof – Architectural grade fiberglass roof shingles – on 15# felt udlmt paper on 5/8" CDX Plywood Sth. Ice and water shield at all eaves – minimum 6' back
 On lower porch roof – standing seam metal roof on 3/4" CDX plywood ssth.
 2. Typical Exterior Wall: Siding – to match existing, "zip wall" Plywood ssth on 2 x 6 studs @ 16" O.C.
 3. Typical Interior Partition: 2 x 4 studs @ 16" O.C. Insulate walls around all bathrooms and laundry with cellulose insulation.
 4. Typical Ceiling: 1/2" blueboard with skim coat plaster – smooth finish on 1 x wd fur @ 16" O/C.
 5. Typical Floor: finish floor and udlmt as determined by Owner on 3/4" CDX Ply adhered with glue to joists and nailed at 6" spacing along the edges and at 10" spacing in the center.
 6. Do not scale off the drawings – contact architect with any questions.



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 Permitting and Inspections Department
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 11/29/2018

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SECOND FLOOR PLAN



REAR ELEVATION



LEFT SIDE ELEVATION

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 chstone@comcast.net
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WELLBLENNER RESIDENCE

25 OAL AVE PEAKS ISLAND MAINE

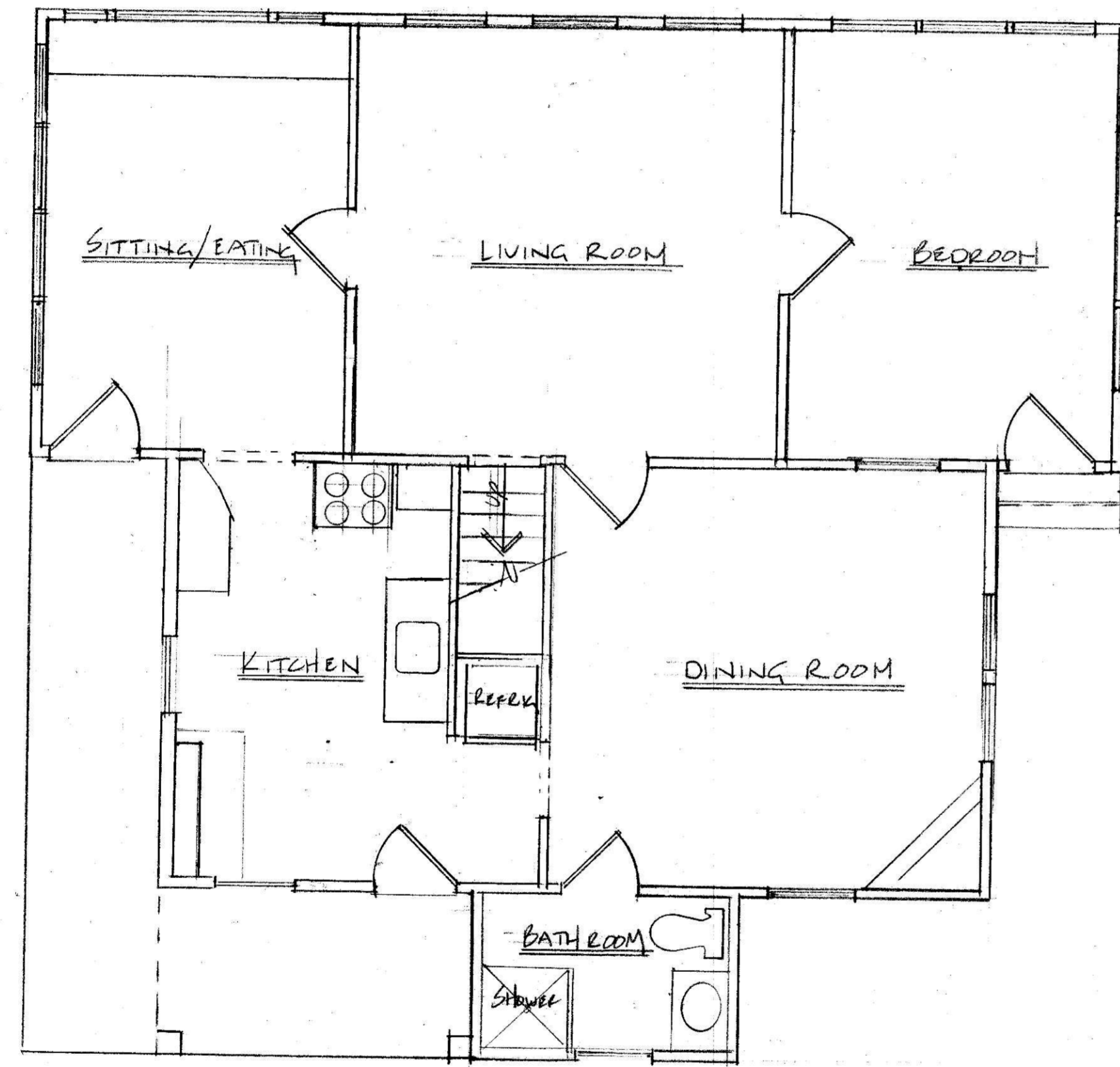
SECOND FLOOR, ELEVATIONS - AS BUILT

DRAWN
CHECKED
DATE 1/15/18
SCALE 1/4" = 1'-0"
JOB NO.
SHEET A-8
OF SHEET

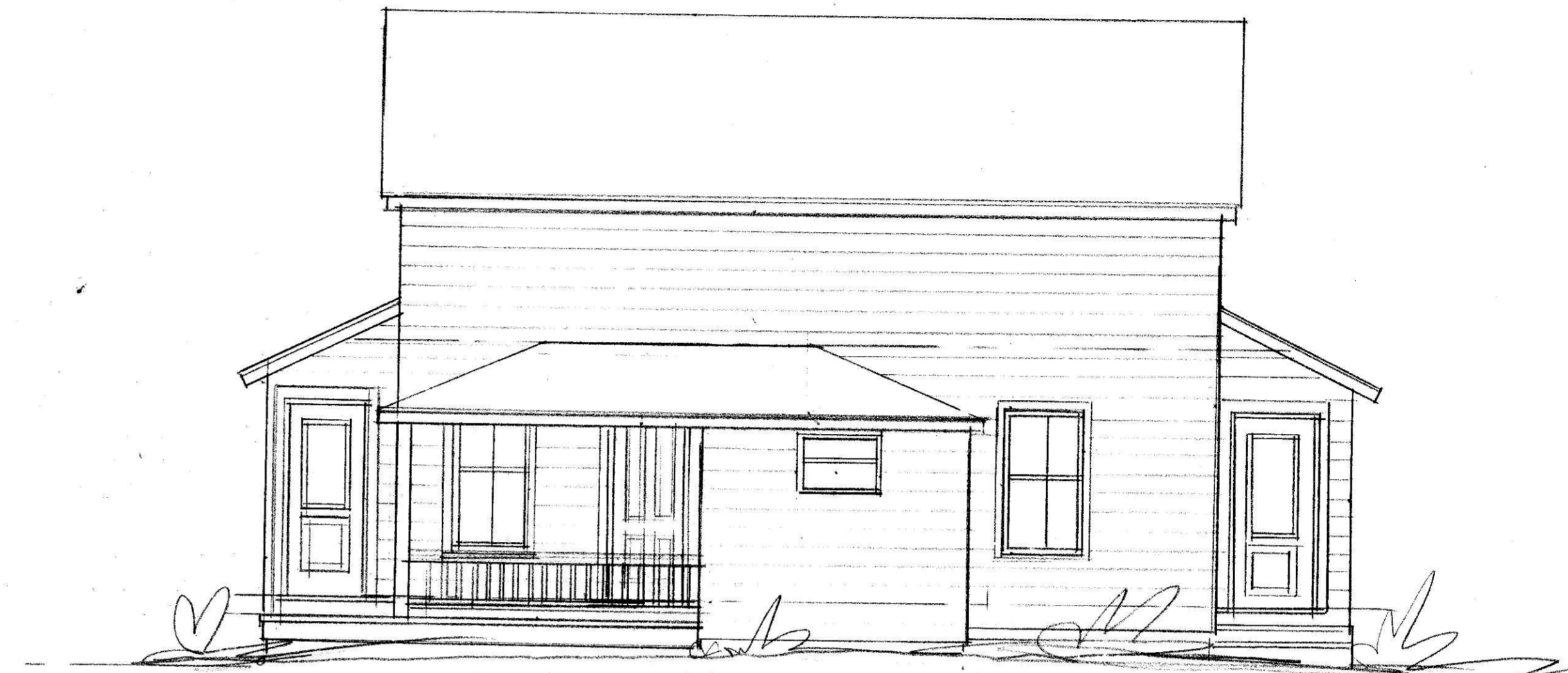


Reviewed for Code Compliance
 Permitting and Inspections Department
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 11/29/2018

REVISIONS	BY



FIRST FLOOR PLAN



FRONT ELEVATION



RIGHT SIDE ELEVATION

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 (617) 306-6359

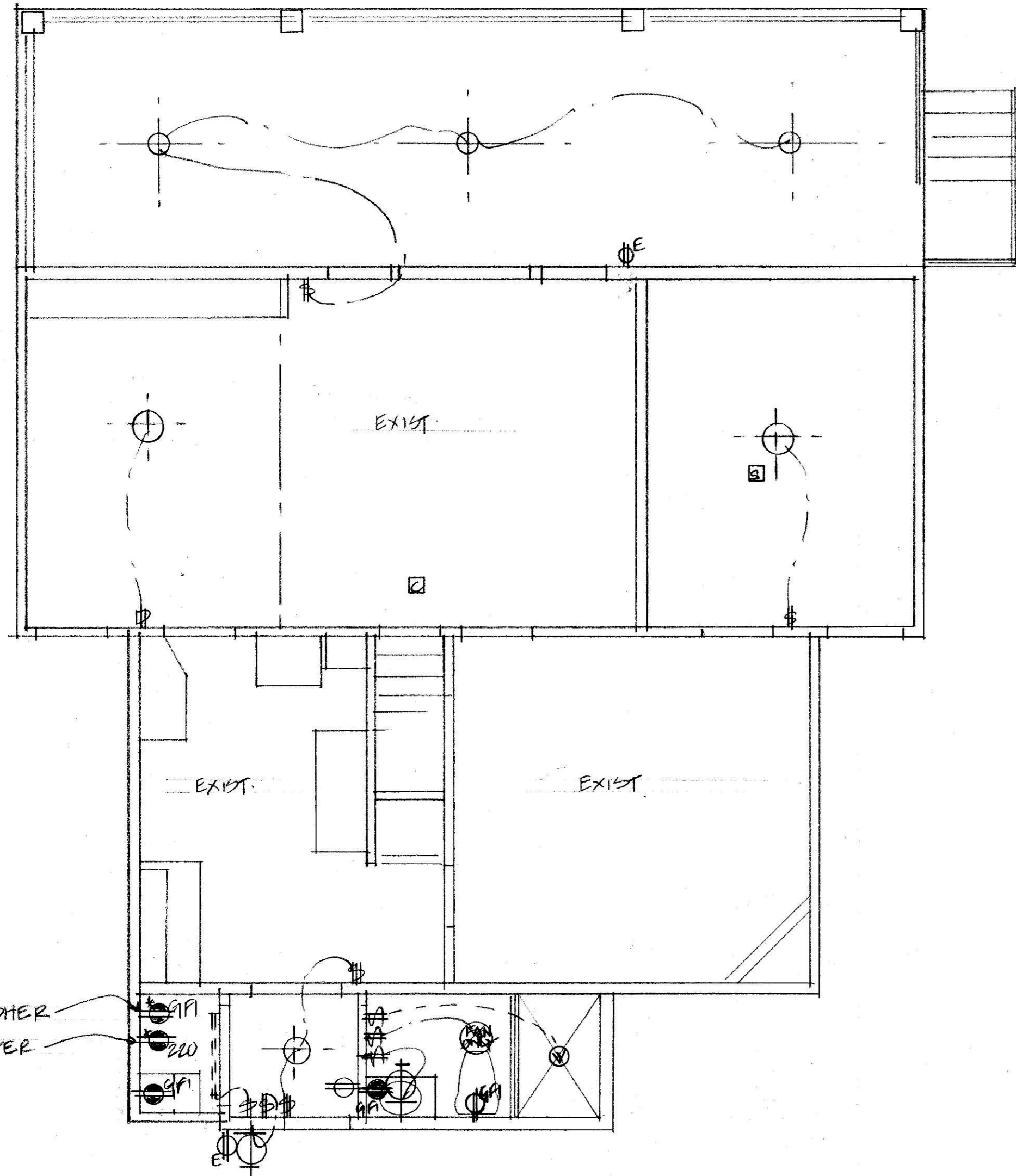
WEILBRENNER RESIDENCE
 25 OAK AVE PEAKS ISLAND MAINE
 FIRST FLOOR PLAN, ELEVATIONS - AS-BUILTS

DRAWN
CHECKED
DATE 1/15/18
SCALE 1/4" = 1'-0"
JOB NO.
SHEET A-9
OF SHEETS

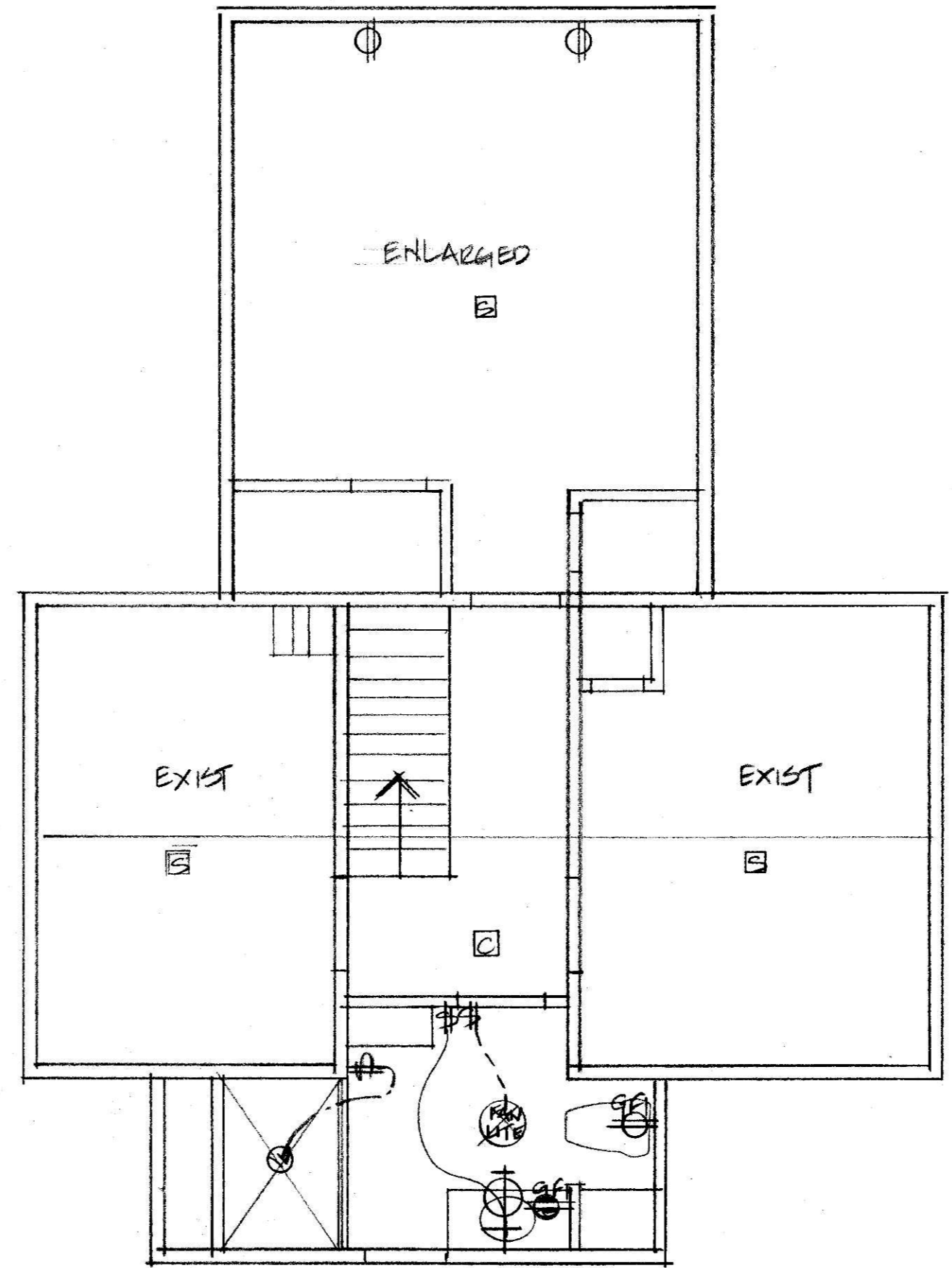


Reviewed for Code Compliance
 Permitting and Inspections Department
 Approved with Conditions
 11/29/2018

REVISIONS	BY



FIRST FLOOR ELECTRICAL PLAN



SECOND FLOOR ELECTRICAL PLAN

ELECTRICAL SCHEDULE

SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE TO BE MOUNTED @ 12' O.C. A.F.F.
	DUPLEX RECEPTACLE TO BE MOUNTED @ 42' O.C. A.F.F.
	DUPLEX RECEPTACLE TO BE MOUNTED @ 36' O.C. A.F.F.
	SPECIAL RECEPTACLE - SEE NOTE ATTACHED
	DUPLEX RECEPTACLE GROUND FAULT INTERRUPT - SEE NOTE ATTACHED
	EXTERIOR DUPLEX RECEPTACLE
	CEILING MOUNTED DUPLEX RECEPTACLE FOR GARAGE DOOR OPENER
	RECESSED LIGHT
	RECESSED MINI 3' HOCKEY PUCK LOW VOLTAGE LIGHT
	CEILING MOUNTED OUTLET
	WALL MOUNTED FLOOD LIGHT
	WALL MOUNTED OUTLET
	CEILING MOUNTED FLUORESCENT CLOSET LIGHT
	LIGHT/EXTRACTION FAN COMBINATION UNIT
	CABLE TO BE MOUNTED @ HEIGHT OF ADJACENT DUPLEX RECEPTACLE
	TELEPHONE JACK
	SWITCH
	DIMMER
	DUPLEX REC. LOCATED IN ISLAND CAP SIDEWAYS @ 36' O.C. A.F.F.
	UP/DOWN SWITCH LOC. IN DOOR JAMBS
	HAND HELD PENDANT FIXTURE
	CEILING MOUNTED FLUORESCENT CLOSET FIXTURE
	SMOKE + CARBON MON. DETECTOR TO BE LOC. BY OTHERS
	CARBON MONOXIDE DET.

WEILBRENNER RESIDENCE
 25 OAK AVE. PEARS ISLAND, MAINE
 ELECTRICAL PLANS

DRAWN	
CHECKED	
DATE	1/15/18
SCALE	1/4" = 1'-0"
JOB NO.	
SHEET	E-1
OF	
SHEETS	



2002 Lincoln Drive West, Suite E, Marlton, NJ 08053
888-453-8358 x6112



Reviewed for Code Compliance
Permitting and Inspections Department
November 5, 2018
Approved with Conditions

11/29/2018

Brad Morris
Moore Lumber & Hardware Co., Inc.
22 W Main Street
Ayer, MA 01432

Dear Recipient,

Subject: Tech Call #95283, 25 Oak Ave, Peaks Island, ME

Attached are Trus Joist® structural member calculations we were asked to provide for the referenced project. The attached calculations were prepared using accepted design values for Trus Joist® products and in conformance with accepted engineering practices. With respect to design values for Trus Joist® products as well as conditions of use, and design and installation guidance, please refer to International Code Council Evaluation Report ICC-ES ESR-1387 and ESR-1153; ICC reports can be obtained via the Internet at www.icc-es.org.

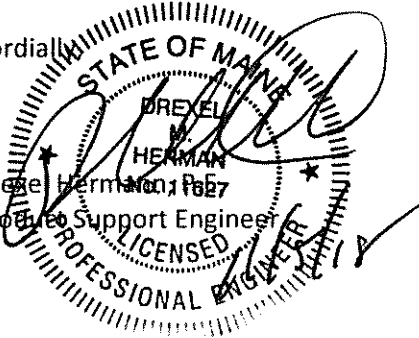
The attached calculations are provided as a supplement to the work of the design professional of record. We expect the owner’s representative or the building code officer with jurisdiction to review the attachments and confirm they are consistent with the intent of the overall building design. If the attached calculations are not consistent with the building design they should be rejected or returned to us to be corrected.

Weyerhaeuser prepared the calculations using information provided to us by Mike McCarthy, BlueLinx CO. We expect the owner’s representative to review the calculation inputs to assure they are appropriate for this project. The calculations apply only to Trus Joist® products for the referenced project.

Neither the undersigned engineer nor Weyerhaeuser NR Company is acting as the engineer of record for the referenced project.

Please call if you have any questions.

Cordially,


Drexel Herman, No. 10627
Project Support Engineer
LICENSED PROFESSIONAL ENGINEER

Signed for attached Forte® Member Calculations dated:
11/5/2018, 10:40:49 AM 12 pages

cc: Mike McCarthy

01: Level			
Member Name	Results	Current Solution	Comments
RB-01	Passed	2 Piece(s) 1 3/4" x 14" 2.0E Microllam® LVL	
WH-01	Passed	2 Piece(s) 1 3/4" x 9 1/4" 2.0E Microllam® LVL	
FB-01	Passed	3 Piece(s) 1 3/4" x 11 7/8" 2.0E Microllam® LVL	
FB-02	Passed	3 Piece(s) 1 3/4" x 7 1/4" 2.0E Microllam® LVL	
FB-03	Passed	3 Piece(s) 1 3/4" x 7 1/4" 2.0E Microllam® LVL	
FB-04	Passed	3 Piece(s) 1 3/4" x 7 1/4" 2.0E Microllam® LVL	
FB-05	Passed	3 Piece(s) 1 3/4" x 7 1/4" 2.0E Microllam® LVL	
RH-01	Passed	3 Piece(s) 1 3/4" x 11 7/8" 2.0E Microllam® LVL	
FB-06	Passed	3 Piece(s) 1 3/4" x 14" 2.0E Microllam® LVL	
WH-02	Passed	2 Piece(s) 1 3/4" x 7 1/4" 2.0E Microllam® LVL	
FB-07	Passed	2 Piece(s) 1 3/4" x 11 7/8" 2.0E Microllam® LVL	



Reviewed for Code Compliance
 Permitting and Inspections Department
 Approved with Conditions

11/29/2018

Forte Software Operator	Job Notes
Drexel Hermann Weyerhaeuser.com (888) 453-8358 drexel.hermann@weyerhaeuser.com	25 Oak Ave Peaks Island, ME Tech Call #95283



Overall Length: 12'



Reviewed for Code Compliance
 Permitting and Inspections Department
 Approved with Conditions

11/29/2018

All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDf	Load: Combination (Pattern)
Member Reaction (lbs)	3917 @ 4"	6322 (4.25")	Passed (62%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	2906 @ 1' 7 1/2"	10707	Passed (27%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	10666 @ 6'	27897	Passed (38%)	1.15	1.0 D + 1.0 S (All Spans)
Live Load Defl. (in)	0.135 @ 6'	0.378	Passed (L/999+)	--	1.0 D + 1.0 S (All Spans)
Total Load Defl. (in)	0.179 @ 6'	0.567	Passed (L/759)	--	1.0 D + 1.0 S (All Spans)

System : Roof
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC 2015
 Design Methodology : ASD
 Member Pitch : 0/12

- Deflection criteria: LL (L/360) and TL (L/240).
- Top Edge Bracing (Lu): Top compression edge must be braced at 11' 10" o/c unless detailed otherwise.
- Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 11' 10" o/c unless detailed otherwise.

Supports	Bearing			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Snow	Total	
1 - Stud wall - SPF	5.50"	4.25"	2.63"	984	3000	3984	1 1/4" Rim Board
2 - Beam - LVL	5.50"	4.25"	1.50"	984	3000	3984	1 1/4" Rim Board

- Rim Board is assumed to carry all loads applied directly above it, bypassing the member being designed.

Loads	Location (Side)	Tributary Width	Dead (0.90)	Snow (1.15)	Comments
0 - Self Weight (PLF)	1 1/4" to 11' 10 3/4"	N/A	14.3		
1 - Uniform (PSF)	0 to 12' (Front)	5'	15.0	50.0	ROOF
2 - Uniform (PSF)	0 to 12' (Back)	5'	15.0	50.0	ROOF

Weyerhaeuser Notes

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The product application, input design loads, dimensions and support information have been provided by Mike McCarthy - BlueLinX Co

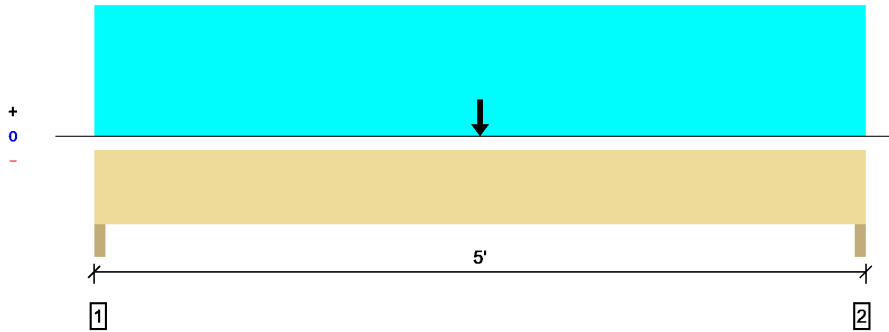


Forte Software Operator	Job Notes
Drexel Hermann Weyerhaeuser.com (888) 453-8358 drexel.hermann@weyerhaeuser.com	25 Oak Ave Peaks Island, ME Tech Call #95283

11/5/2018 10:40:49 AM
 Forte v5.4, Design Engine: V7.1.1.3
 25 OAK AVE PEAKS ISLAND ME.4te



Overall Length: 5'


 Reviewed for Code Compliance
 Permitting and Inspections Department
 Approved with Conditions

11/29/2018

All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	2191 @ 1 1/2"	7613 (3.00")	Passed (29%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	2110 @ 1' 1/4"	7074	Passed (30%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	4955 @ 2' 6"	12884	Passed (38%)	1.15	1.0 D + 1.0 S (All Spans)
Live Load Defl. (in)	0.040 @ 2' 6"	0.158	Passed (L/999+)	--	1.0 D + 1.0 S (All Spans)
Total Load Defl. (in)	0.053 @ 2' 6"	0.237	Passed (L/999+)	--	1.0 D + 1.0 S (All Spans)

 System : Wall
 Member Type : Header
 Building Use : Residential
 Building Code : IBC 2015
 Design Methodology : ASD

- Deflection criteria: LL (L/360) and TL (L/240).
- Top Edge Bracing (Lu): Top compression edge must be braced at 5' o/c unless detailed otherwise.
- Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 5' o/c unless detailed otherwise.

Supports	Bearing			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Snow	Total	
1 - Trimmer - SPF	3.00"	3.00"	1.50"	553	1638	2191	None
2 - Trimmer - SPF	3.00"	3.00"	1.50"	553	1638	2191	None

Loads	Location (Side)	Tributary Width	Dead (0.90)	Snow (1.15)	Comments
0 - Self Weight (PLF)	0 to 5'	N/A	9.4		
1 - Uniform (PSF)	0 to 5'	1'	15.0	55.0	ROOF
2 - Point (lb)	2' 6"	N/A	984	3000	FROM RB-01

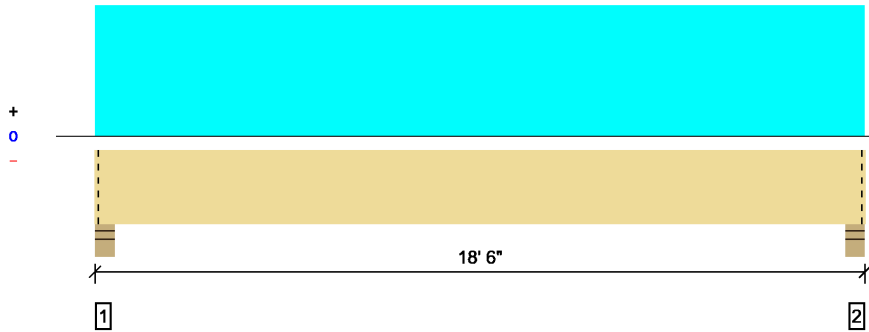
Weyerhaeuser Notes
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Forte Software Operator	Job Notes
Drexel Hermann Weyerhaeuser.com (888) 453-8358 drexel.hermann@weyerhaeuser.com	25 Oak Ave Peaks Island, ME Tech Call #95283

 11/5/2018 10:40:49 AM
 Forte v5.4, Design Engine: V7.1.1.3
 25 OAK AVE PEAKS ISLAND ME.4te

Overall Length: 18' 6"


 Reviewed for Code Compliance
 Permitting and Inspections Department
 Approved with Conditions

11/29/2018

All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	3665 @ 3 3/4"	11714 (5.25")	Passed (31%)	--	1.0 D + 1.0 L (All Spans)
Shear (lbs)	3099 @ 1' 5 1/8"	11845	Passed (26%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	15823 @ 9' 3"	26772	Passed (59%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.443 @ 9' 3"	0.596	Passed (L/484)	--	1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.650 @ 9' 3"	0.894	Passed (L/330)	--	1.0 D + 1.0 L (All Spans)

 System : Floor
 Member Type : Drop Beam
 Building Use : Residential
 Building Code : IBC 2015
 Design Methodology : ASD

- Deflection criteria: LL (L/360) and TL (L/240).
- Top Edge Bracing (Lu): Top compression edge must be braced at 18' o/c unless detailed otherwise.
- Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 18' 6" o/c unless detailed otherwise.

Supports	Bearing			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
1 - Stud wall - SPF	5.25"	5.25"	1.64"	1167	2498	3665	Blocking
2 - Stud wall - SPF	5.25"	5.25"	1.64"	1167	2498	3665	Blocking

- Blocking Panels are assumed to carry no loads applied directly above them and the full load is applied to the member being designed.

Loads	Location (Side)	Tributary Width	Dead (0.90)	Floor Live (1.00)	Comments
0 - Self Weight (PLF)	0 to 18' 6"	N/A	18.2		
1 - Uniform (PSF)	0 to 18' 6" (Back)	9'	12.0	30.0	MASTER BEDROOM

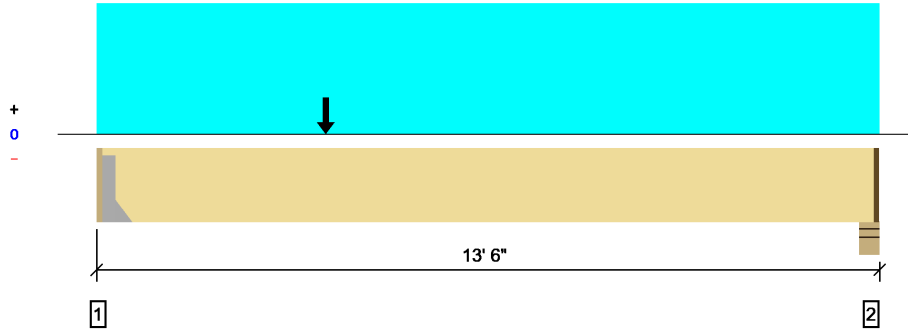
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Forte Software Operator	Job Notes
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 25 OAK AVE PEAKS ISLAND ME.4te

Overall Length: 13' 6"


 Reviewed for Code Compliance
 Permitting and Inspections Department
 Approved with Conditions

11/29/2018

All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	1691 @ 1 1/2"	5906 (1.50")	Passed (29%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	1677 @ 8 3/4"	8317	Passed (20%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	6378 @ 4'	12273	Passed (52%)	1.15	1.0 D + 1.0 S (All Spans)
Live Load Defl. (in)	0.323 @ 6' 1/8"	0.326	Passed (L/485)	--	1.0 D + 1.0 S (All Spans)
Total Load Defl. (in)	0.478 @ 6' 7/8"	0.652	Passed (L/327)	--	1.0 D + 1.0 S (All Spans)

 System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC 2015
 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Top Edge Bracing (Lu): Top compression edge must be braced at 13' 3" o/c unless detailed otherwise.
- Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 13' 3" o/c unless detailed otherwise.

Supports	Bearing			Loads to Supports (lbs)				Accessories
	Total	Available	Required	Dead	Floor Live	Snow	Total	
1 - Hanger on 7 1/4" LVL beam	1.50"	Hanger ¹	1.50"	541	199	1151	1891	See note ¹
2 - Stud wall - SPF	5.50"	4.00"	1.50"	321	206	487	1014	1 1/2" Rim Board

- Rim Board is assumed to carry all loads applied directly above it, bypassing the member being designed.
- At hanger supports, the Total Bearing dimension is equal to the width of the material that is supporting the hanger
- ¹ See Connector grid below for additional information and/or requirements.

Connector: Simpson Strong-Tie Connectors							
Support	Model	Seat Length	Top Nails	Face Nails	Member Nails	Accessories	
1 - Face Mount Hanger	HU68	2.50"	N/A	14-16d	6-16d	None	

Loads	Location (Side)	Tributary Width	Dead (0.90)	Floor Live (1.00)	Snow (1.15)	Comments
0 - Self Weight (PLF)	1 1/2" to 13' 4 1/2"	N/A	11.1			
1 - Uniform (PSF)	0 to 13' 6" (Front)	1'	12.0	30.0	-	2ND FLOOR
2 - Point (lb)	4' (Front)	N/A	553	-	1638	FROM WDH-01 POINT 1

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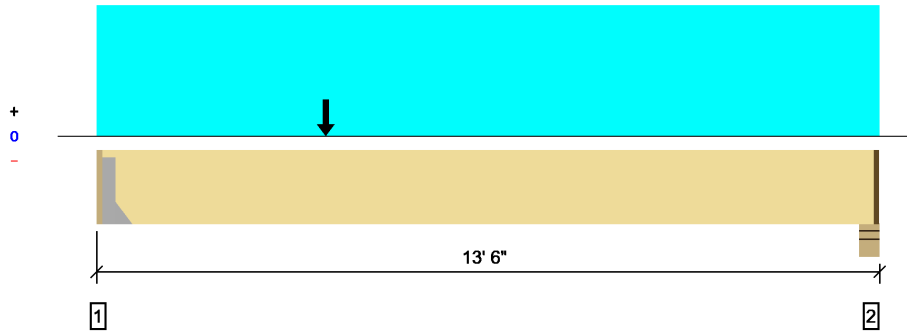


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Overall Length: 13' 6"


 Reviewed for Code Compliance
 Permitting and Inspections Department
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11/29/2018

All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	1691 @ 1 1/2"	5906 (1.50")	Passed (29%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	1677 @ 8 3/4"	8317	Passed (20%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	6378 @ 4'	12273	Passed (52%)	1.15	1.0 D + 1.0 S (All Spans)
Live Load Defl. (in)	0.323 @ 6' 1/8"	0.326	Passed (L/485)	--	1.0 D + 1.0 S (All Spans)
Total Load Defl. (in)	0.478 @ 6' 7/8"	0.652	Passed (L/327)	--	1.0 D + 1.0 S (All Spans)

 System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC 2015
 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Top Edge Bracing (Lu): Top compression edge must be braced at 13' 3" o/c unless detailed otherwise.
- Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 13' 3" o/c unless detailed otherwise.

Supports	Bearing			Loads to Supports (lbs)				Accessories
	Total	Available	Required	Dead	Floor Live	Snow	Total	
1 - Hanger on 7 1/4" LVL beam	1.50"	Hanger ¹	1.50"	541	199	1151	1891	See note ¹
2 - Stud wall - SPF	5.50"	4.00"	1.50"	321	206	487	1014	1 1/2" Rim Board

- Rim Board is assumed to carry all loads applied directly above it, bypassing the member being designed.
- At hanger supports, the Total Bearing dimension is equal to the width of the material that is supporting the hanger
- ¹ See Connector grid below for additional information and/or requirements.

Connector: Simpson Strong-Tie Connectors

Support	Model	Seat Length	Top Nails	Face Nails	Member Nails	Accessories
1 - Face Mount Hanger	HU68	2.50"	N/A	14-16d	6-16d	None

Loads	Location (Side)	Tributary Width	Dead (0.90)	Floor Live (1.00)	Snow (1.15)	Comments
0 - Self Weight (PLF)	1 1/2" to 13' 4 1/2"	N/A	11.1			
1 - Uniform (PSF)	0 to 13' 6" (Front)	1'	12.0	30.0	-	2ND FLOOR
2 - Point (lb)	4' (Front)	N/A	553	-	1638	FROM WDH-01 POINT 2

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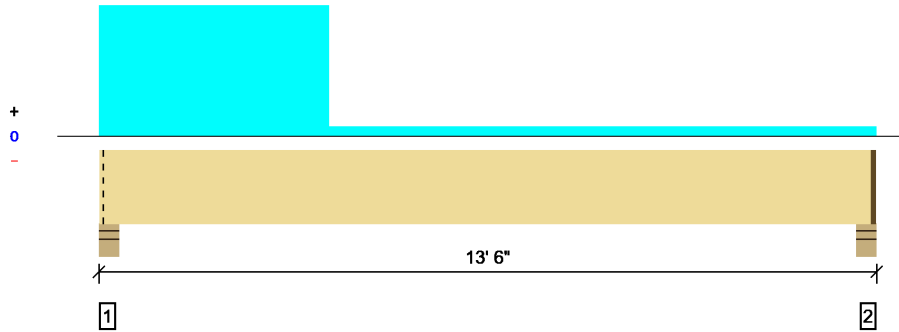


Forte Software Operator	Job Notes
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Overall Length: 13' 6"


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 Permitting and Inspections Department
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11/29/2018

All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	2346 @ 4"	12272 (5.50")	Passed (19%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	1652 @ 1' 3/4"	8317	Passed (20%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	3468 @ 3' 7 1/8"	12273	Passed (28%)	1.15	1.0 D + 1.0 S (All Spans)
Live Load Defl. (in)	0.188 @ 6' 2 5/16"	0.321	Passed (L/817)	--	1.0 D + 0.75 L + 0.75 S (All Spans)
Total Load Defl. (in)	0.280 @ 6' 2 7/8"	0.642	Passed (L/550)	--	1.0 D + 0.75 L + 0.75 S (All Spans)

 System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC 2015
 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Top Edge Bracing (Lu): Top compression edge must be braced at 13' 5" o/c unless detailed otherwise.
- Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 13' 5" o/c unless detailed otherwise.

Supports	Bearing			Loads to Supports (lbs)				Accessories
	Total	Available	Required	Dead	Floor Live	Snow	Total	
1 - Stud wall - SPF	5.50"	5.50"	1.50"	625	270	1721	2616	Blocking
2 - Stud wall - SPF	5.50"	4.00"	1.50"	225	270	259	754	1 1/2" Rim Board

- Rim Board is assumed to carry all loads applied directly above it, bypassing the member being designed.
- Blocking Panels are assumed to carry no loads applied directly above them and the full load is applied to the member being designed.

Loads	Location (Side)	Tributary Width	Dead (0.90)	Floor Live (1.00)	Snow (1.15)	Comments
0 - Self Weight (PLF)	0 to 13' 4 1/2"	N/A	11.1			
1 - Uniform (PSF)	0 to 13' 6" (Front)	1'	12.0	40.0	-	BEDROOM
2 - Uniform (PSF)	0 to 4' (Front)	9'	15.0	-	55.0	ROOF

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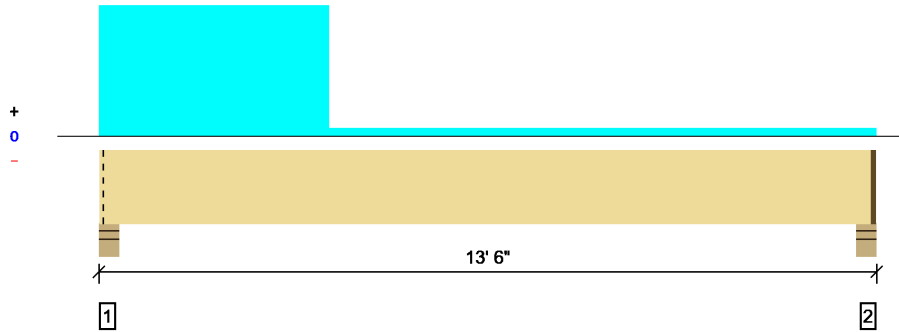


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Overall Length: 13' 6"


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All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	2346 @ 4"	12272 (5.50")	Passed (19%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	1652 @ 1' 3/4"	8317	Passed (20%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	3468 @ 3' 7 1/8"	12273	Passed (28%)	1.15	1.0 D + 1.0 S (All Spans)
Live Load Defl. (in)	0.177 @ 5' 11 5/16"	0.321	Passed (L/871)	--	1.0 D + 1.0 S (All Spans)
Total Load Defl. (in)	0.268 @ 6' 15/16"	0.642	Passed (L/575)	--	1.0 D + 1.0 S (All Spans)

 System : Floor
 Member Type : Flush Beam
 Building Use : Residential
 Building Code : IBC 2015
 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Top Edge Bracing (Lu): Top compression edge must be braced at 13' 5" o/c unless detailed otherwise.
- Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 13' 5" o/c unless detailed otherwise.

Supports	Bearing			Loads to Supports (lbs)				Accessories
	Total	Available	Required	Dead	Floor Live	Snow	Total	
1 - Stud wall - SPF	5.50"	5.50"	1.50"	625	203	1721	2549	Blocking
2 - Stud wall - SPF	5.50"	4.00"	1.50"	225	203	259	687	1 1/2" Rim Board

- Rim Board is assumed to carry all loads applied directly above it, bypassing the member being designed.
- Blocking Panels are assumed to carry no loads applied directly above them and the full load is applied to the member being designed.

Loads	Location (Side)	Tributary Width	Dead (0.90)	Floor Live (1.00)	Snow (1.15)	Comments
0 - Self Weight (PLF)	0 to 13' 4 1/2"	N/A	11.1			
1 - Uniform (PSF)	0 to 13' 6" (Back)	1'	12.0	30.0	-	BEDROOM
2 - Uniform (PSF)	0 to 4' (Back)	9'	15.0	-	55.0	ROOF

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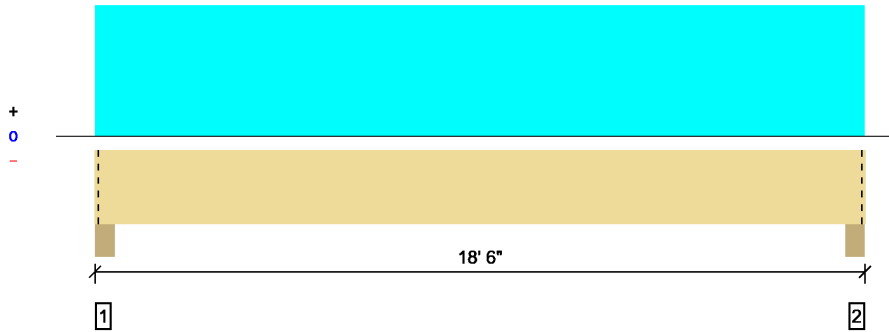


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Overall Length: 18' 6"


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11/29/2018

All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	4539 @ 3 3/4"	19983 (5.25")	Passed (23%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	3839 @ 1' 5 1/8"	13622	Passed (28%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	19598 @ 9' 3"	30788	Passed (64%)	1.15	1.0 D + 1.0 S (All Spans)
Live Load Defl. (in)	0.609 @ 9' 3"	0.596	Passed (L/352)	--	1.0 D + 1.0 S (All Spans)
Total Load Defl. (in)	0.805 @ 9' 3"	0.894	Passed (L/266)	--	1.0 D + 1.0 S (All Spans)

 System : Floor
 Member Type : Drop Beam
 Building Use : Residential
 Building Code : IBC 2015
 Design Methodology : ASD

- Deflection criteria: LL (L/360) and TL (L/240).
- Top Edge Bracing (Lu): Top compression edge must be braced at 14' 4" o/c unless detailed otherwise.
- Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 18' 6" o/c unless detailed otherwise.

Supports	Bearing			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Snow	Total	
1 - Column - SPF	5.25"	5.25"	1.50"	1105	3434	4539	Blocking
2 - Column - SPF	5.25"	5.25"	1.50"	1105	3434	4539	Blocking

- Blocking Panels are assumed to carry no loads applied directly above them and the full load is applied to the member being designed.

Loads	Location (Side)	Tributary Width	Dead (0.90)	Snow (1.15)	Comments
0 - Self Weight (PLF)	0 to 18' 6"	N/A	18.2		
1 - Uniform (PSF)	0 to 18' 6" (Back)	6' 9"	15.0	55.0	ROOF

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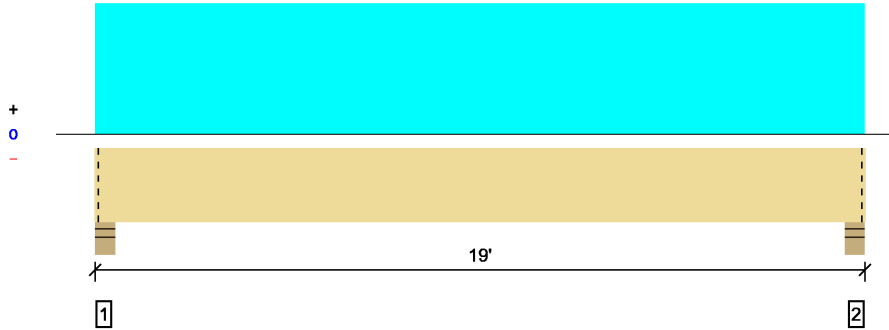


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Overall Length: 19'



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All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	6189 @ 4"	12272 (5.50")	Passed (50%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	5130 @ 1' 7 1/2"	16060	Passed (32%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	27369 @ 9' 6"	41846	Passed (65%)	1.15	1.0 D + 1.0 S (All Spans)
Live Load Defl. (in)	0.557 @ 9' 6"	0.611	Passed (L/395)	--	1.0 D + 1.0 S (All Spans)
Total Load Defl. (in)	0.733 @ 9' 6"	0.917	Passed (L/300)	--	1.0 D + 1.0 S (All Spans)

System : Floor
 Member Type : Drop Beam
 Building Use : Residential
 Building Code : IBC 2015
 Design Methodology : ASD

- Deflection criteria: LL (L/360) and TL (L/240).
- Top Edge Bracing (Lu): Top compression edge must be braced at 11' 1" o/c unless detailed otherwise.
- Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 19' o/c unless detailed otherwise.

Supports	Bearing			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Snow	Total	
1 - Stud wall - SPF	5.50"	5.50"	2.77"	1486	4703	6189	Blocking
2 - Stud wall - SPF	5.50"	5.50"	2.77"	1486	4703	6189	Blocking

- Blocking Panels are assumed to carry no loads applied directly above them and the full load is applied to the member being designed.

Loads	Location (Side)	Tributary Width	Dead (0.90)	Snow (1.15)	Comments
0 - Self Weight (PLF)	0 to 19'	N/A	21.5		
1 - Uniform (PSF)	0 to 19' (Front)	9'	15.0	55.0	ROOF

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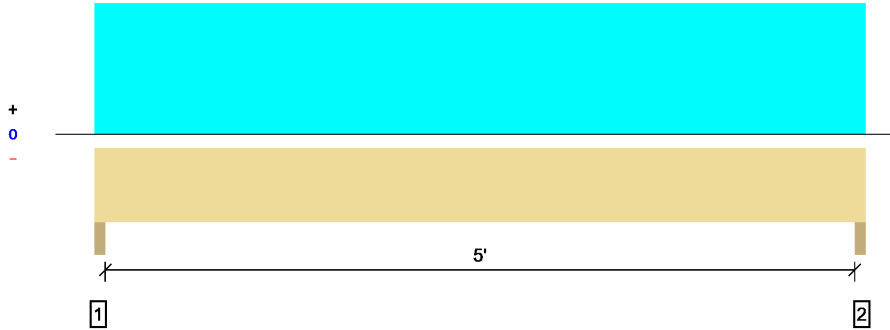


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Overall Length: 5' 6"


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All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	1233 @ 1 1/2"	7613 (3.00")	Passed (16%)	--	1.0 D + 0.75 L + 0.75 S (All Spans)
Shear (lbs)	850 @ 10 1/4"	5544	Passed (15%)	1.15	1.0 D + 0.75 L + 0.75 S (All Spans)
Moment (Ft-lbs)	1545 @ 2' 9"	8182	Passed (19%)	1.15	1.0 D + 0.75 L + 0.75 S (All Spans)
Live Load Defl. (in)	0.026 @ 2' 9"	0.175	Passed (L/999+)	--	1.0 D + 0.75 L + 0.75 S (All Spans)
Total Load Defl. (in)	0.041 @ 2' 9"	0.262	Passed (L/999+)	--	1.0 D + 0.75 L + 0.75 S (All Spans)

 System : Wall
 Member Type : Header
 Building Use : Residential
 Building Code : IBC 2015
 Design Methodology : ASD

- Deflection criteria: LL (L/360) and TL (L/240).
- Top Edge Bracing (Lu): Top compression edge must be braced at 5' 6" o/c unless detailed otherwise.
- Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 5' 6" o/c unless detailed otherwise.

Supports	Bearing			Loads to Supports (lbs)				Accessories
	Total	Available	Required	Dead	Floor Live	Snow	Total	
1 - Trimmer - SPF	3.00"	3.00"	1.50"	449	440	605	1494	None
2 - Trimmer - SPF	3.00"	3.00"	1.50"	449	440	605	1494	None

Loads	Location (Side)	Tributary Width	Dead (0.90)	Floor Live (1.00)	Snow (1.15)	Comments
0 - Self Weight (PLF)	0 to 5' 6"	N/A	7.4			
1 - Uniform (PSF)	0 to 5' 6"	4'	12.0	30.0	-	BEDROOM
2 - Uniform (PSF)	0 to 5' 6"	4'	12.0	10.0	-	LIMITED ACCESS ATTIC
3 - Uniform (PSF)	0 to 5' 6"	4'	15.0	-	55.0	ROOF

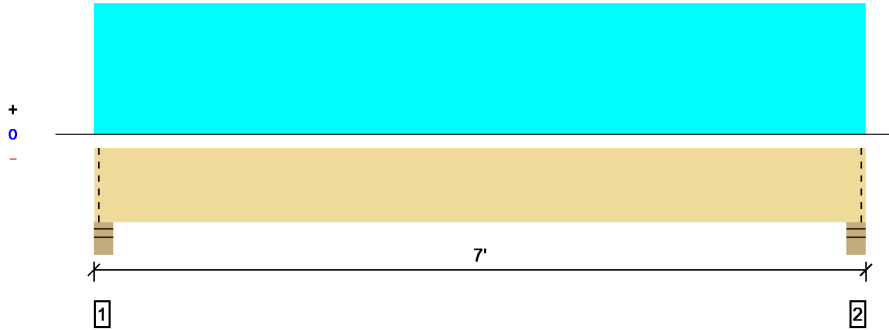
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Forte Software Operator	Job Notes
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Overall Length: 7'


 Reviewed for Code Compliance
 Permitting and Inspections Department
 Approved with Conditions

11/29/2018

All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	2247 @ 3 3/4"	7809 (5.25")	Passed (29%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	1331 @ 1' 5 1/8"	9081	Passed (15%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	3262 @ 3' 6"	20525	Passed (16%)	1.15	1.0 D + 1.0 S (All Spans)
Live Load Defl. (in)	0.026 @ 3' 6"	0.213	Passed (L/999+)	--	1.0 D + 1.0 S (All Spans)
Total Load Defl. (in)	0.033 @ 3' 6"	0.319	Passed (L/999+)	--	1.0 D + 1.0 S (All Spans)

 System : Floor
 Member Type : Drop Beam
 Building Use : Residential
 Building Code : IBC 2015
 Design Methodology : ASD

- Deflection criteria: LL (L/360) and TL (L/240).
- Top Edge Bracing (Lu): Top compression edge must be braced at 7' o/c unless detailed otherwise.
- Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 7' o/c unless detailed otherwise.

Supports	Bearing			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Snow	Total	
1 - Stud wall - SPF	5.25"	5.25"	1.51"	515	1733	2248	Blocking
2 - Stud wall - SPF	5.25"	5.25"	1.51"	515	1733	2248	Blocking

- Blocking Panels are assumed to carry no loads applied directly above them and the full load is applied to the member being designed.

Loads	Location (Side)	Tributary Width	Dead (0.90)	Snow (1.15)	Comments
0 - Self Weight (PLF)	0 to 7'	N/A	12.1		
1 - Uniform (PSF)	0 to 7' (Front)	9'	15.0	55.0	ROOF

Weyerhaeuser Notes

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