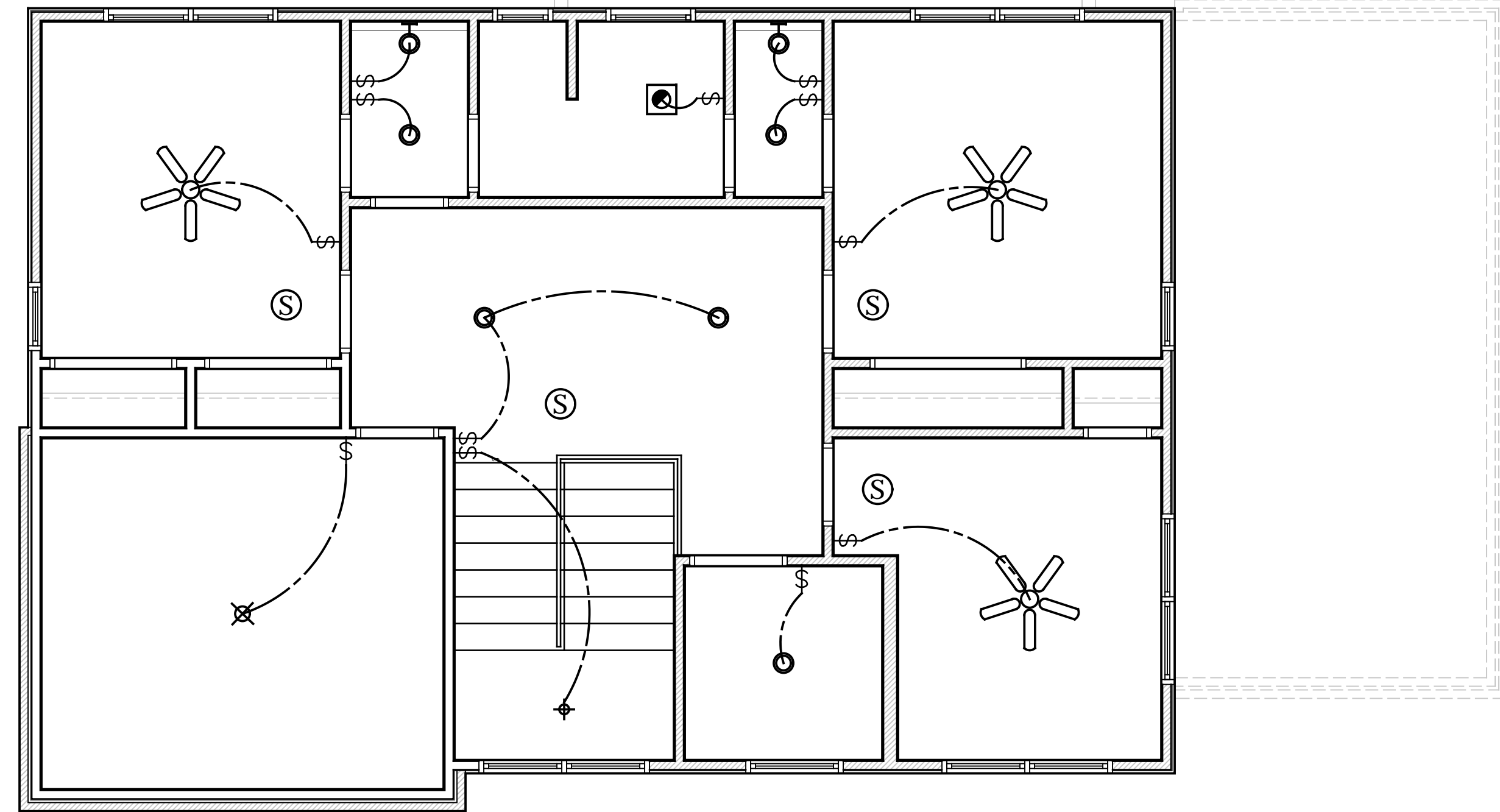


1 Lower Level - Lighting Plan
 scale: 1/4" = 1'-0"



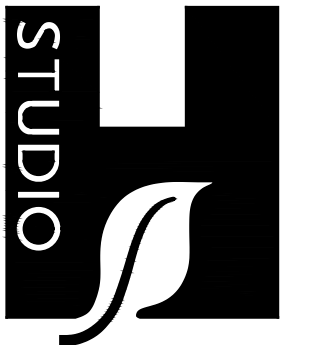
2 Upper Level - Lighting Plan
 scale: 1/4" = 1'-0"

Ⓢ = 3-wire smoke detector
 note:
 - install 3-wire smoke/CO2 detector
 in garage in basement floor of home



DATE
09-17-19

REVISION



studioH architecture, llc
 chris henshaw, AIA
 2594 addison drive
 doraville, ga 30340

Friedman Residence
Addition / Renovation
303 Vickers Dr.
Atlanta, Georgia 30324

Proposed Lighting Plans

Specifications SL-9/9X

HEAT&GLO
No one builds a better fire

Please consult the manufacturer's installation manual for all details and requirements before making a final design layout decision.

SL-9/9X
Direct Vent Gas Fireplace

MODEL	FRONT WIDTH		BACK WIDTH		HEIGHT		DEPTH		GLASS SIZE
	Actual	Framing	Actual	Framing	Actual	Framing	Actual	Framing	
SL-9/9X	48	49	37-3/4	49	39-9/16	40-1/4	16-5/16	16-1/4	39-1/16 x 23-9/16

HEAT-ZONE ACCESS
GAS LINE ACCESS
ELECTRICAL ACCESS

FireScreen Front
Arcadia, Chateau, Helton, and Chateau Forge Fronts
Clean Face Front

Additional information can be found online at www.heatnglo.com

Specifications SL-9/9X

MINIMUM FIREPLACE CLEARANCES

AREA	TO COMBUSTIBLES OR FINISH
CLEARANCE TO CEILING	32
COMBUSTIBLE/NON-COMBUSTIBLE FLOOR	0
BEHIND APPLIANCE	1/2
SIDES OF APPLIANCE	1/2
FRONT OF APPLIANCE	36

FRAMING DIMENSIONS

Model	A	B	C	D
SL-9/9X	48.00	40.00	40.00	16.00

APPLIANCE LOCATION

CLEARANCES TO COMBUSTIBLES

WALL PENETRATION

MANTEL PROJECTIONS

MANTEL LEG/WALL PROJECTIONS

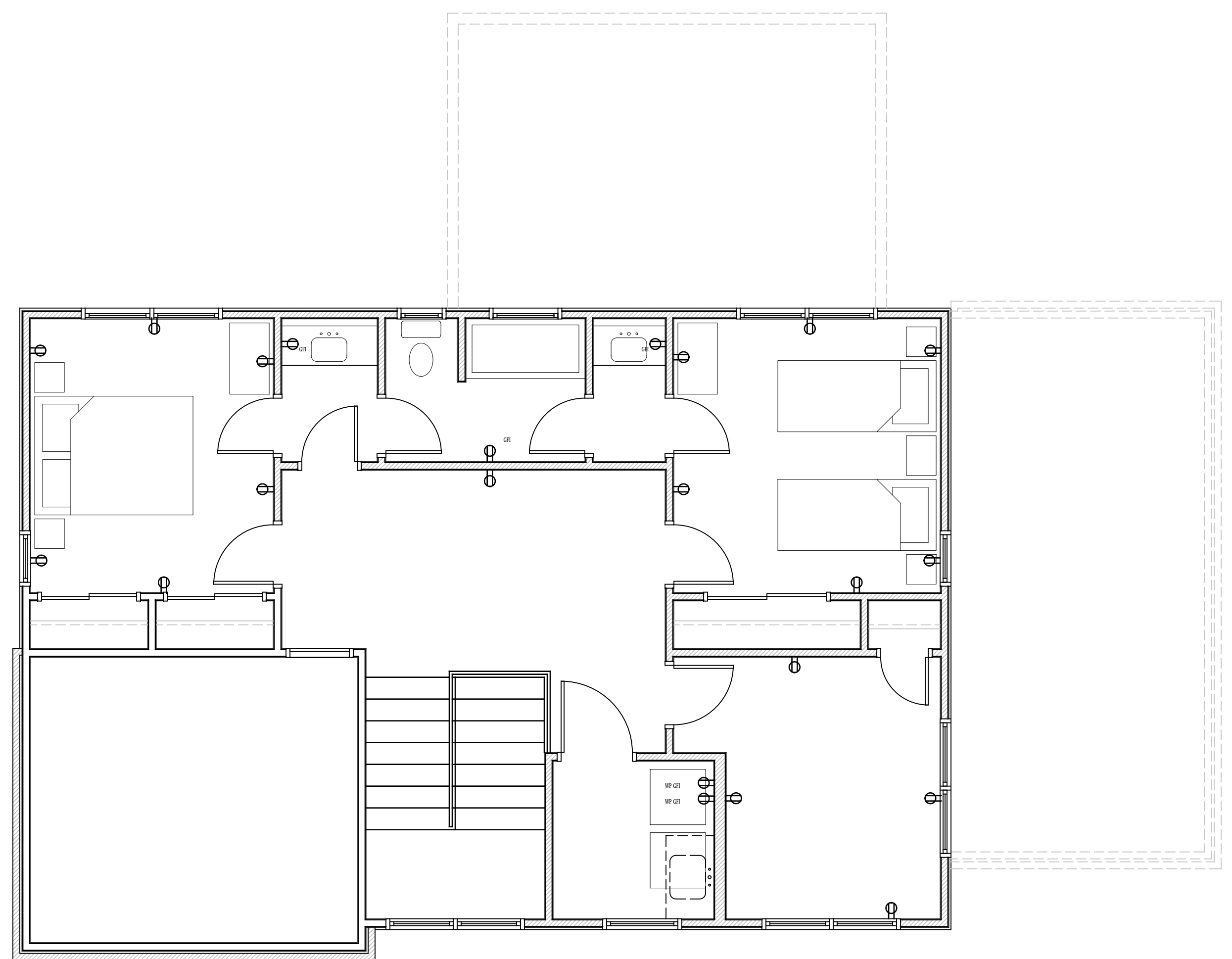
PRODUCT LISTING CODES

UL	AP622-2007
CSA	2.23-M2007
UL	UL3078

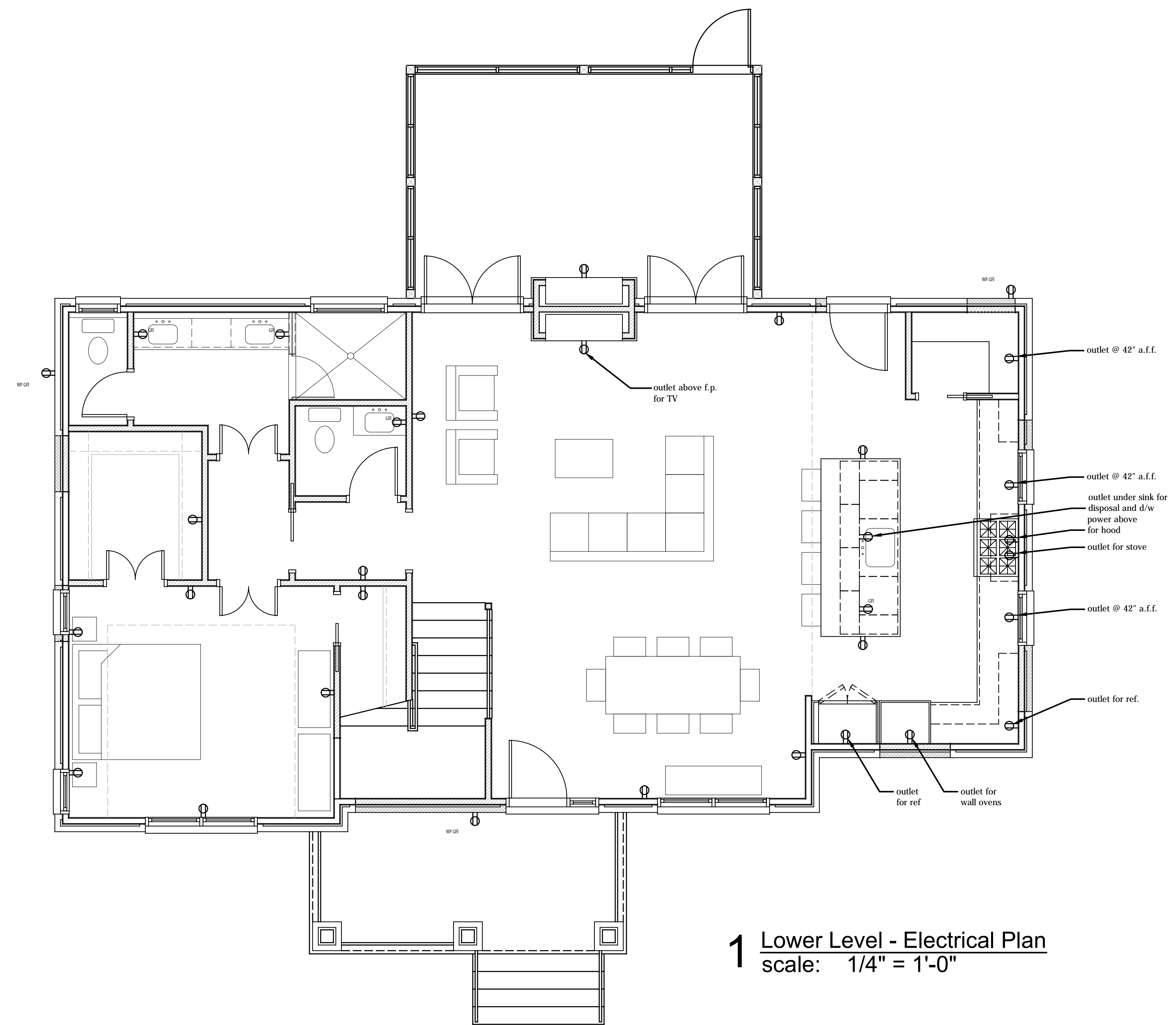
Additional information can be found online at www.heatnglo.com

HEAT&GLO
Lafayette, GA • 404-277-3333 • www.heatnglo.com
Phone: 800-477-3333

GEHRING-9-9X-106



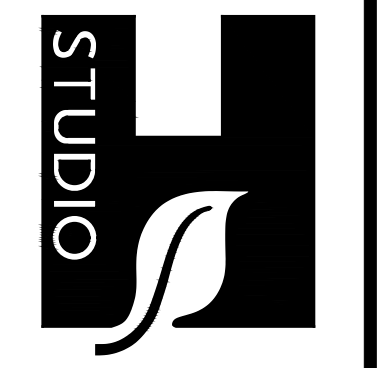
2 Upper Level - Electrical Plan
scale: 1/4" = 1'-0"



1 Lower Level - Electrical Plan
scale: 1/4" = 1'-0"



DATE: 09-17-19
REVISION:



studioH architecture, llc
chris henshaw, AIA
2594 addison drive
doraville, ga 30324

Friedman Residence
Addition / Renovation
303 Vickers Dr.
Atlanta, Georgia 30324

Proposed Power Plans



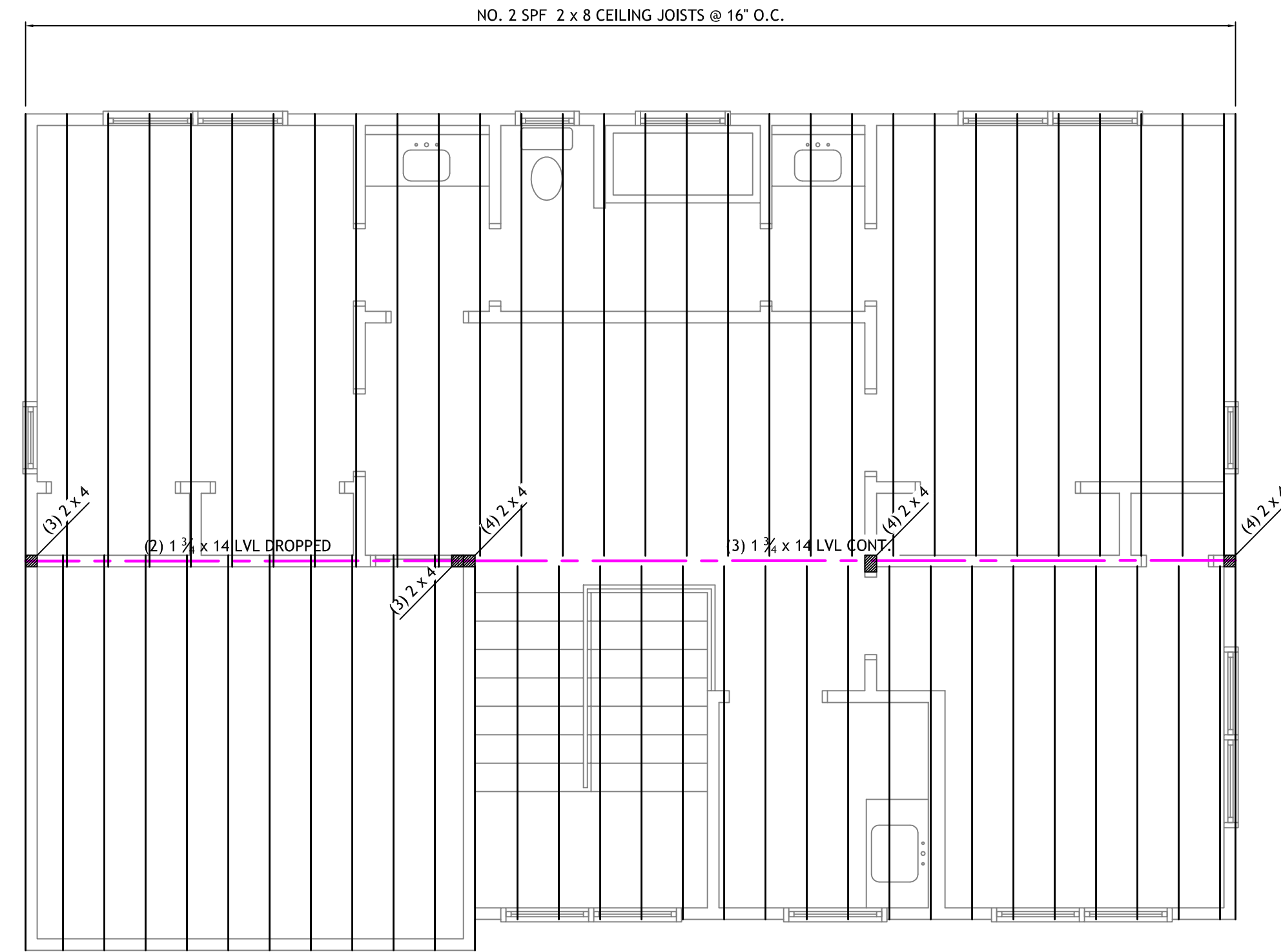
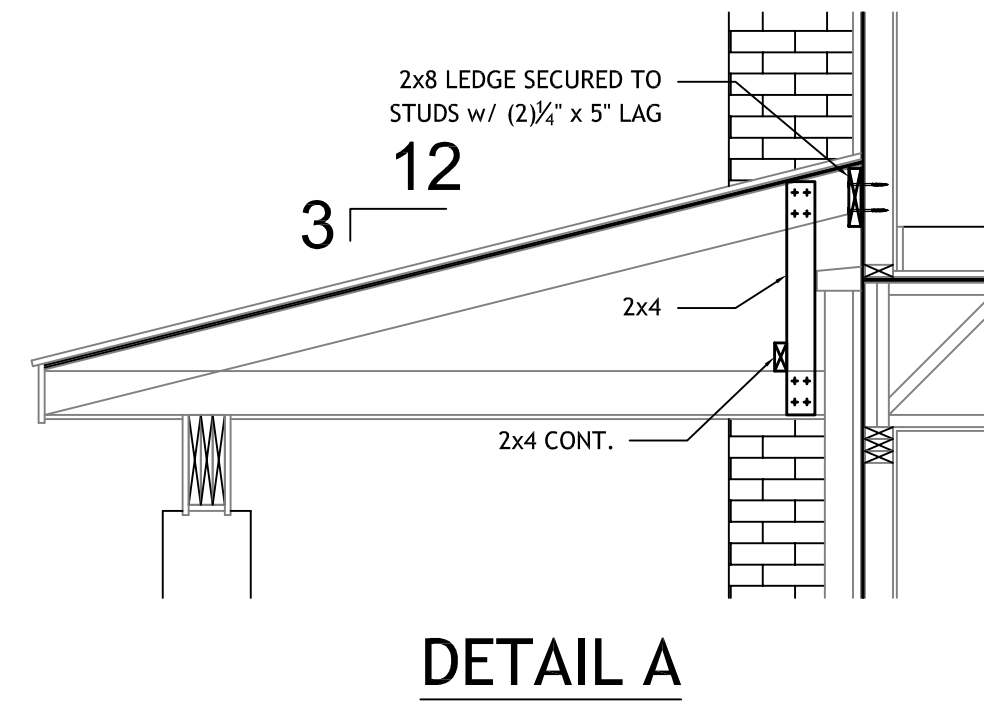
RELEASED FOR CONSTRUCTION

PROJECT NORTH ENGINEERING
 5054 Waterport Way, Duluth, Georgia 30096
 770.582.0345 / bryce.hattori@gmail.com

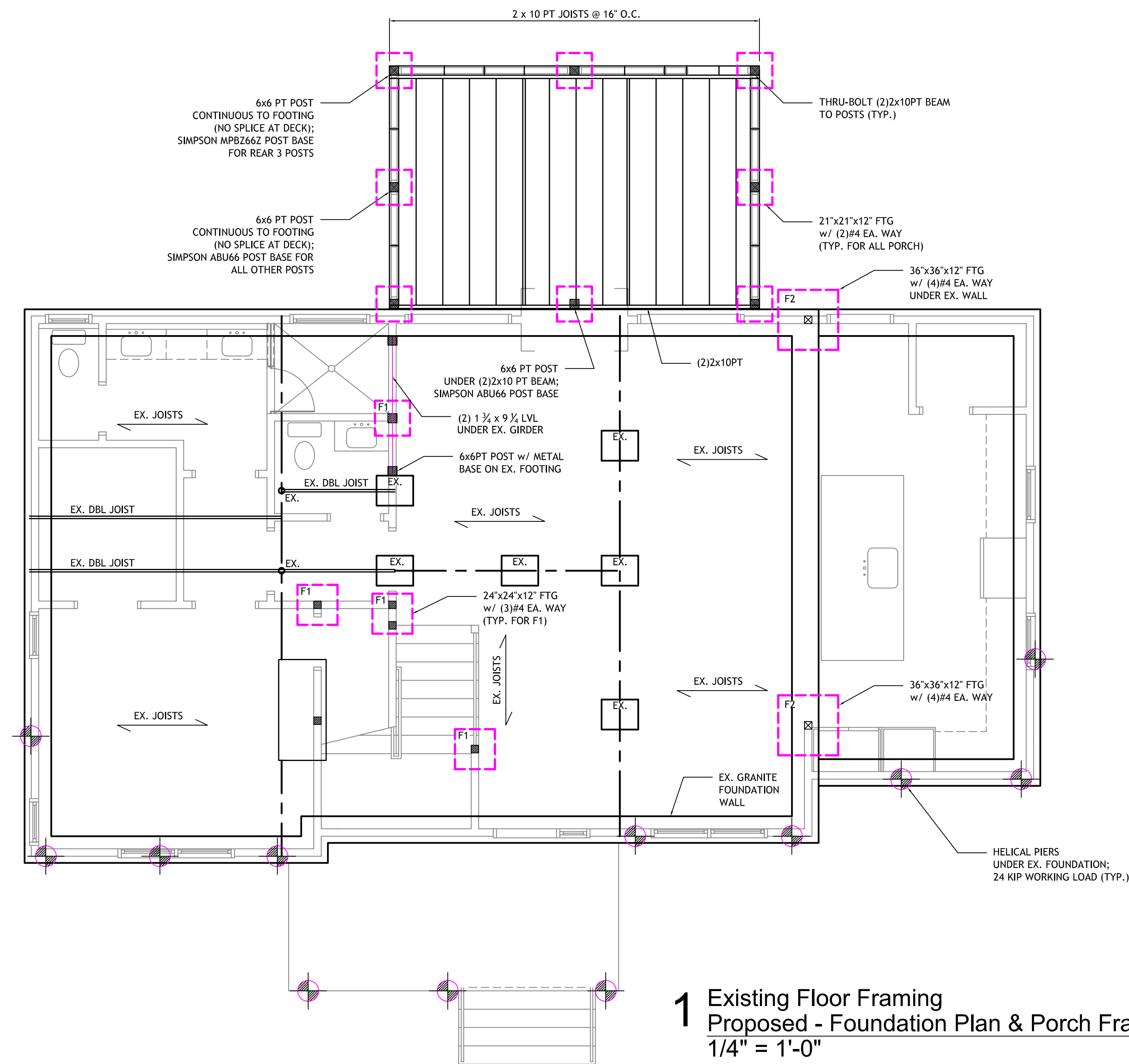
FOUNDATION PLAN
 FRAMING PLANS

FRIEDMAN RESIDENCE
 303 VICKERS DRIVE
 ATLANTA, GEORGIA 30307

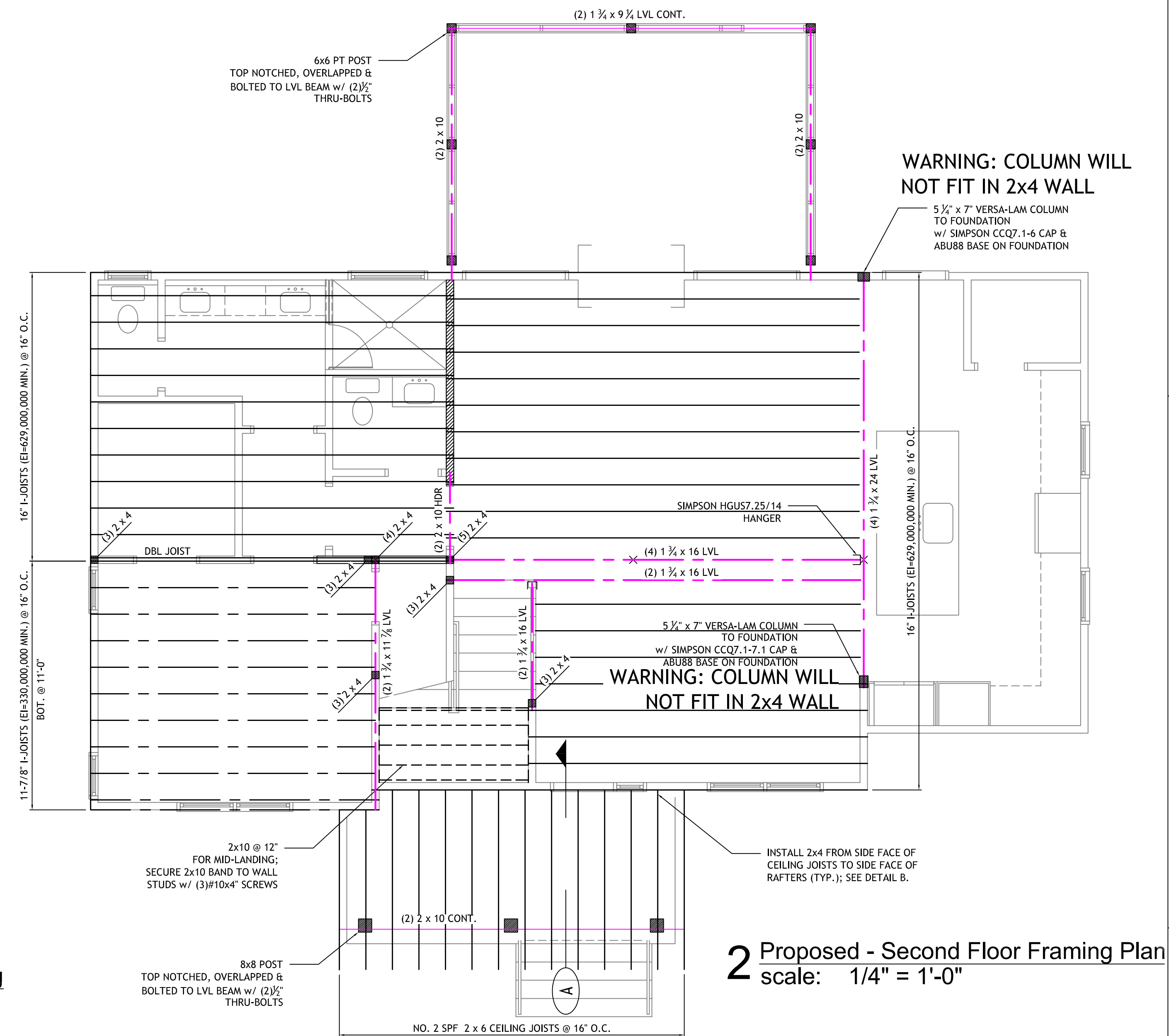
sheet
S1



3 Proposed - Ceiling Framing Plan
 scale: 1/4" = 1'-0"



1 Existing Floor Framing Proposed - Foundation Plan & Porch Framing
 1/4" = 1'-0"



2 Proposed - Second Floor Framing Plan
 scale: 1/4" = 1'-0"



date: 09/26/19
 scale: AS NOTED
 by: B. HATTOR
 rev:

RELEASED FOR
 CONSTRUCTION

engineer
PROJECT NORTH ENGINEERING
 5054 Waterport Way, Duluth, Georgia 30096
 770.582.0345 / bryce.hattor@gmail.com

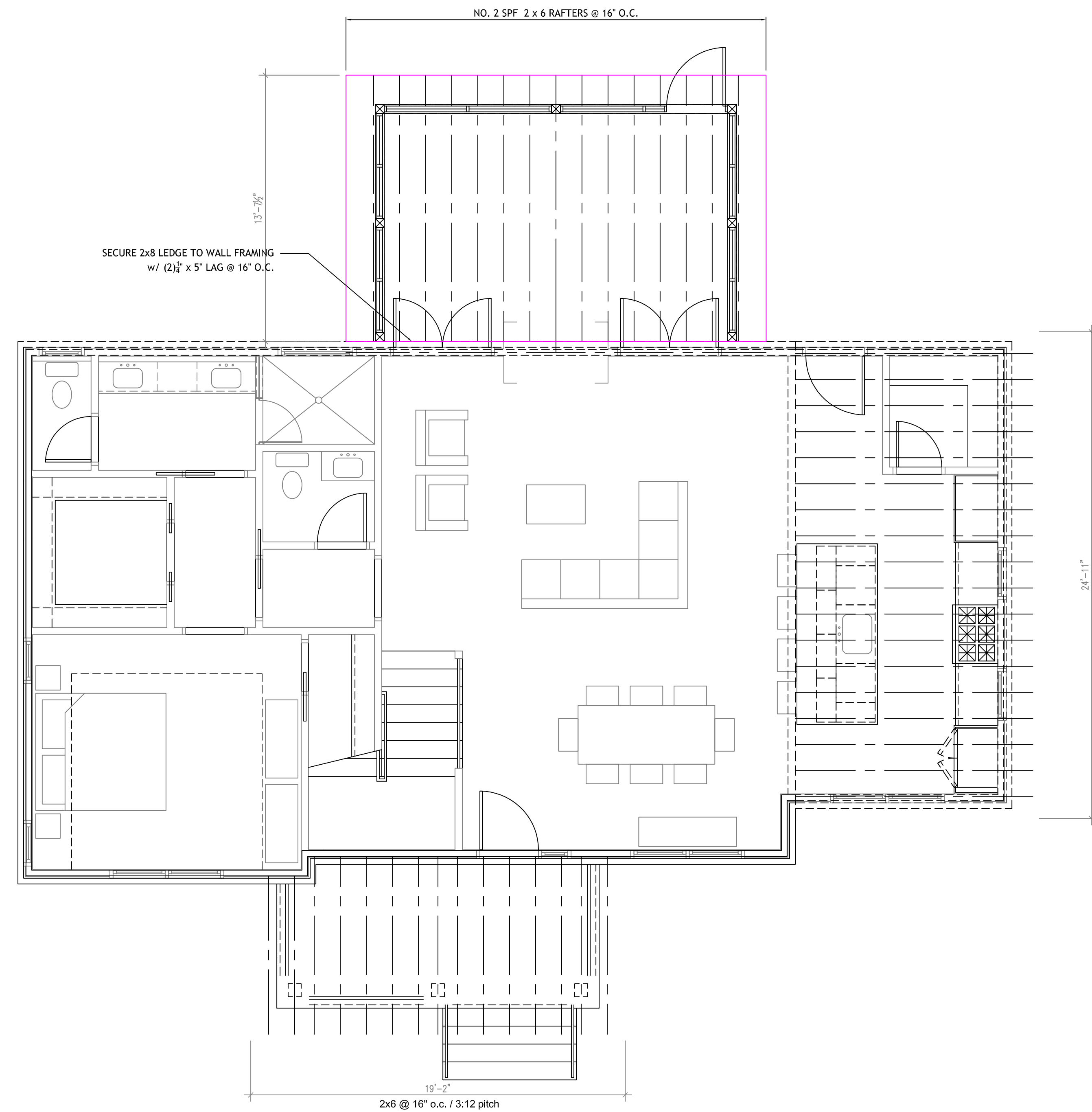
FRAMING PLANS

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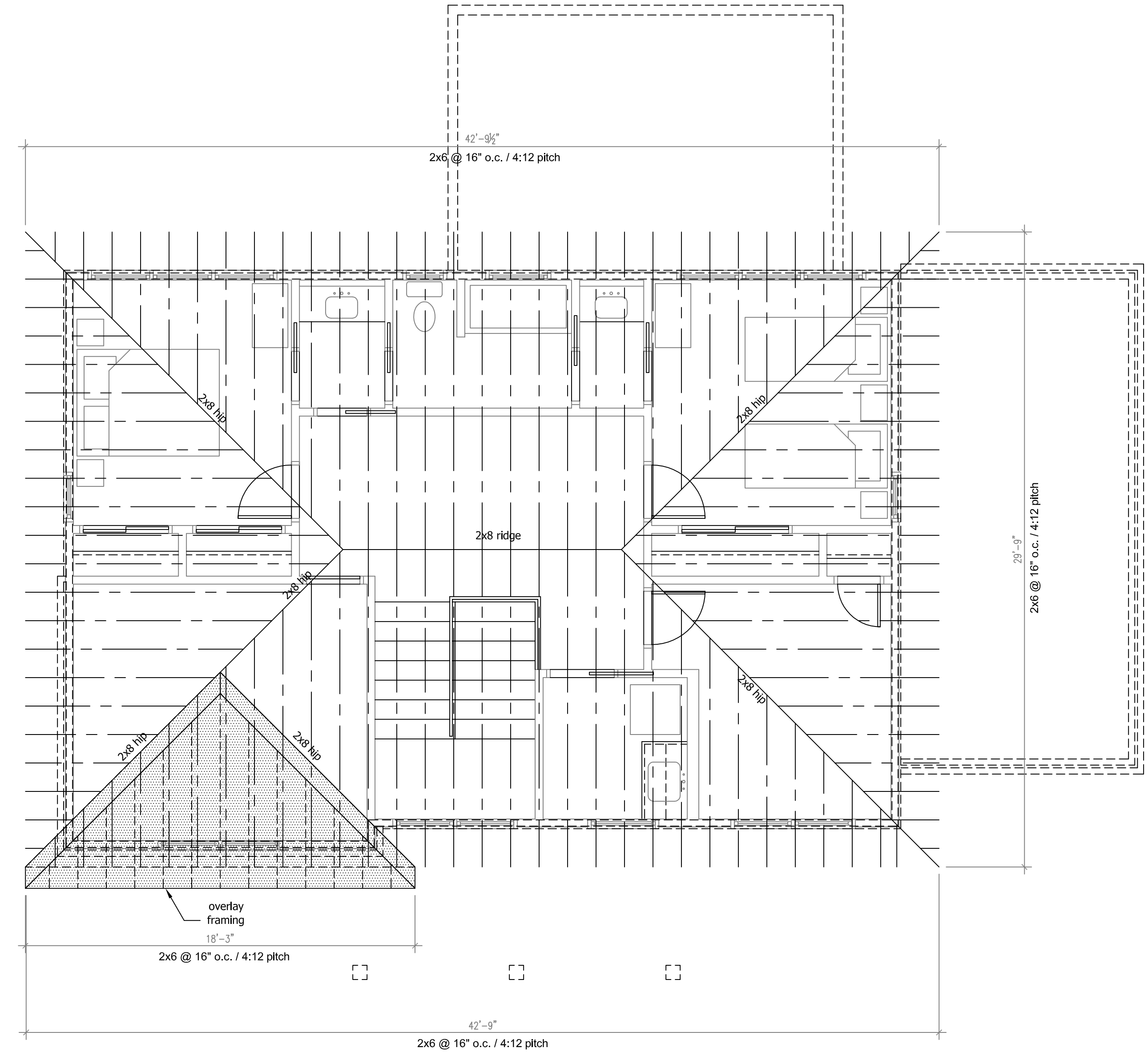
project
FRIEDMAN RESIDENCE
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sheet

S2



1 Proposed - Lower Roof Framing Plan
 scale: 1/4" = 1'-0"



2 Proposed - Upper Roof Framing Plan
 scale: 1/4" = 1'-0"

Additional floor framing details available with BC FRAMER® software

END BEARING DETAILS

F01 BCI® Joist blocking. Dimension lumber is not suitable for use as rimboard with BCI® Joists. Blocking may be required perpendicular to wall, consult design professional of record and/or local building official.

F02 BCI® rim joist. Use of BCI® rimjoist requires 2x6 wall for minimum joist bearing.

F03 BOISE CASCADE® Rimboard. Note: BCI® floor joist must be designed to carry wall above when not stacked over wall below. Blocking required underneath braced wall panels and shear walls, consult design professional of record.

INTERMEDIATE BEARING DETAILS

F04 For load bearing wall above (stacked over wall below). Blocking may be required at intermediate bearings for floor diaphragm per IRC in high seismic areas, consult local building official.

F05 Double BCI® Joist Connection. Filler Block (see chart below). Sheathing or rimboard closure. BCI® Joist blocking required for cantilever. For load bearing cantilever, see pages 8 and 9. Uplift on backspan shall be considered in all cantilever designs.

F06 For load bearing wall above (stacked over wall below). BCI® Joist blocking.

F07 Backer block (minimum 12" wide). Nail with 10-10d nails. Backer block required where top flange joist hanger load exceeds 250 lbs. Install tight to top flange.

F08 Double BCI® Joist Connection. Filler Block (see chart below). Web-Filler. Nail with 10-10d nails. Connection valid for all applications. Contact Boise Cascade EWP Engineering for specific conditions.

F09 Load bearing wall above (stacked over wall below). 2x block.

F10 Joist Hanger. Backer block required where top flange joist hanger load exceeds 250 lbs. Install tight to top flange.

F11 Sheathing or rimboard closure. BCI® Joist blocking required for cantilever. For load bearing cantilever, see pages 8 and 9. Uplift on backspan shall be considered in all cantilever designs.

LATERAL SUPPORT

- BCI® Joists shall be laterally supported at the ends with hangers, rimboard, BCI® rim joist or blocking panels.
- BCI® blocking panels or rimboard are required at cantilever supports.
- Blocking may be required at intermediate bearings for floor diaphragm per IRC in high seismic areas, consult local building official.

MINIMUM BEARING LENGTH FOR BCI® JOISTS

- Minimum end bearing: 1 1/2" for all BCI® Joists. 3/4" is required at cantilever and intermediate supports.
- Longer bearing lengths allow higher reaction values. Refer to the building code evaluation report or the BC CALC® software.

NAILING REQUIREMENTS

- BCI® rim joist, rim board or closure panel to BCI® joist - Rims or closure panel 1 1/4 inches thick and less: 2-8d nails, one each in the top and bottom flange.
- BCI® 4500s/5000s rim joist: 2-10d box nails, one each in the top and bottom flange.
- BCI® 6000s/60s rim joist: 2-16d box nails, one each in the top and bottom flange.
- BCI® 6500s/90s rim joist: Toe-nail top flange to rim joist with 2-10d box nails, one each side of flange.
- BCI® rim joist, rim board or BCI® blocking panel to support: Min. 8d nails @ 6" o.c. per IRC.
- Connection per design professional of record's specification for shear transfer.
- BCI® joist to support: 2-8d nails, one on each side of the web, placed 1 1/2 inches minimum from the end of the BCI® Joist to limit splitting.

BACKER AND FILLER BLOCK DIMENSIONS

Series	Backer Block Thickness	Filler Block Thickness
4500s	1/2" or 3/4" wood panels	Two 1/2" wood panels or 2x lumber
5000s	3/4" or 1" wood panels	Two 3/4" wood panels or 2x lumber
6000s	1 1/4" or two 1/2" wood panels	2x 1 1/4" or two 1/2" wood panels
6500s	1 1/4" or two 1/2" wood panels	2x 1 1/4" or two 1/2" wood panels
90s 2.0	2x lumber	Double 2x lumber

WEB STIFFENER REQUIREMENTS

- See Web Stiffener Requirements on page 9.
- PROTECT BCI® JOISTS FROM THE WEATHER - BCI® Joists are intended only for applications that provide permanent protection from the weather. Bundles of product should be covered and stored off of the ground on stickers.

BCI® RIM JOISTS AND BLOCKING

Depth (in)	Series	Vertical Load Capacity (plf)	
		No W.S. (1)	W.S. (2)
9 1/2"	4500s 1.8, 5000s 1.8, 6000s 1.8, 6500s 1.8	2300	N/A
	4500s 1.8, 5000s 1.8, 6000s 1.8, 6500s 1.8	2150	N/A
11 1/2"	4500s 1.8, 5000s 1.8, 6000s 2.0, 90s 2.0	2500	N/A
	4500s 1.8, 5000s 1.8, 6000s 2.0, 90s 2.0	2000	N/A
14"	4500s 1.8, 5000s 1.8, 6000s 2.0, 90s 2.0	2400	N/A
	4500s 1.8, 5000s 1.8, 6000s 2.0, 90s 2.0	1900	2500
16"	4500s 1.8, 5000s 1.8, 6000s 2.0, 90s 2.0	2300	2700
	4500s 1.8, 5000s 1.8, 6000s 2.0, 90s 2.0	2300	2700

Allowable Holes in VERSA-LAM® Beams

Notes

- Square and rectangular holes are not permitted.
- Round holes may be drilled or cut with a hole saw anywhere within the shaded area of the beam.
- The horizontal distance between adjacent holes must be at least two times the size of the larger hole.
- Do not drill more than three access holes in any four foot long section of beam.
- The maximum round hole diameter permitted is:

Beam Depth	Max. Hole Diameter
5 1/2"	3/4"
7 1/4"	1"
9 1/2" and greater	2"

End Bearing: 1/2" Span, 1/2" Depth, 1/2" Depth, 1/2" Depth.

Intermediate Bearing: 1/2" Span, 1/2" Depth, 1/2" Depth, 1/2" Depth.

6. These limitations apply to holes drilled for plumbing or wiring access only. The size and location of holes drilled for fasteners are governed by the provisions of the National Design Specification® for Wood Construction.

7. Beams deflect under load. Size holes to provide clearance where required.

8. This hole chart is valid for beams supporting uniform load only. For beams supporting concentrated loads or for beams with larger holes, contact Boise Cascade EWP Engineering.

VERSA-LAM® 2.0 3100 (100% Load Duration)

KEY TO TABLE

Top Figure - Allowable Total Load [plf]
Middle Figure - Allowable Live Load [plf]
Bottom Figures - Minimum Required Bearing Length at End / Intermediate Supports [inches]

Span [ft]	1 1/2" VERSA-LAM® 2.0 3100				Double Ply 1 1/2" VERSA-LAM® 2.0 3100 or 3/2" VERSA-LAM® 2.0 3100				Triple Ply 1 1/2" VERSA-LAM® 2.0 3100 or 5/4" VERSA-LAM® 2.0 3100				Quadrigle Ply 1 1/2" VERSA-LAM® 2.0 3100 or 7" VERSA-LAM® 2.0 3100											
	7 1/2"	9 1/2"	11 1/2"	14"	7 1/2"	9 1/2"	11 1/2"	14"	16"	18"	20"	24"	7 1/2"	9 1/2"	11 1/2"	14"	16"	18"	20"	24"				
6	763	1063	1424	1795	1026	2126	2940	3980	4387	5232	5226	3189	4273	5384	6580	7848	7845	7338	5697	7179	8773	10463	10459	
8	322	724	957	1207	643	1447	1967	2414	2896	3402	3913	2271	2938	3622	4320	5103	5878	6770	3914	4929	5771	6803	7334	7528
10	166	370	488	624	329	741	1000	1271	1547	1824	2101	1111	1441	1824	2211	2601	2984	3369	2884	3569	4111	4711	5113	5513
12	95	214	281	368	181	428	577	752	937	1122	1307	643	828	1013	1198	1383	1568	1753	1073	1358	1643	1928	2213	2498
14	57	126	165	214	107	244	331	418	505	592	679	357	444	531	618	705	792	879	514	601	688	775	862	949
16	35	78	103	133	67	151	200	249	298	347	396	214	263	312	361	410	459	508	301	350	399	448	497	546
18	22	49	65	84	43	98	131	164	197	230	263	142	175	208	241	274	307	340	199	232	265	298	331	364
20	15	33	44	57	29	66	87	108	129	150	171	97	118	139	160	181	192	213	128	149	170	191	212	233
22	10	22	29	38	19	44	58	72	86	100	114	64	78	92	106	120	134	148	88	102	116	130	144	158
24	7	15	20	26	13	30	39	48	57	66	75	43	52	61	70	79	88	97	59	68	77	86	95	104
26	5	11	15	19	9	21	27	33	39	45	51	30	36	42	48	54	60	66	40	46	52	58	64	70
28	4	8	11	14	7	16	20	24	28	32	36	22	26	30	34	38	42	46	28	32	36	40	44	48
30	3	6	8	10	5	12	15	18	21	24	27	17	20	23	26	29	32	35	21	24	27	30	33	36

Roof Framing Details

Additional roof framing details available with BC FRAMER® software

R01 2x beveled plate for slope greater than 1/2" / 12".

R02 Rimboard / VERSA-LAM® blocking. Ventilation "V" cut: 1/2" of length, 1/2" of depth.

R03 Tight fit for lateral stability. Flange of BCI® Joists may be birdsmouth cut only at the low end of the joist. Birds-mouth cut BCI® Joist flange must bear fully on plate, web stiffener required each side.

R04 10d nails at 6" o.c. 2x4 one side for 128 PLF max, 2x6 one side for 240 PLF max.

R05 Simpson or USP LSTA24 strap, nailing per governing building code. BCI® blocking. Holes cut for ventilation.

R06 Simpson or USP LSTA24 strap where slope exceeds 7/12 (straps may be required for lower slopes in high wind areas). Nailing per governing building code.

R07 Backer block (minimum 12" wide). Nail with 10-10d nails. Backer block required where top flange joist hanger load exceeds 250 lbs. Install tight to top flange.

DNOTE DO NOT bevel-cut joist beyond inside face of wall, except for specific conditions in details shown on pages 6 and 13 of the Eastern Specifier Guide.

Allowable Uniform Floor Load (in pounds per lineal foot (PLF))

100% Load Duration

Span Length	BCI® 6000s 1.8 Series 2 5/16" Flange Width				BCI® 6500s 1.8 Series 2 9/16" Flange Width			
	9 1/2" BCI® 6000s 1.8		11 1/2" BCI® 6000s 1.8		14" BCI® 6000s 1.8		16" BCI® 6000s 1.8	
	Live Load	Total Load	Live Load	Total Load	Live Load	Total Load	Live Load	Total Load
6	320	333	348	353	320	333	348	353
7	274	285	297	302	274	285	297	302
8	240	250	260	265	240	250	260	265
9	213	222	231	235	213	222	231	235
10	183	192	200	208	183	192	200	212
11	141	174	181	189	141	174	181	189
12	112	160	166	173	112	160	166	173
13	89	147	144	153	89	147	144	153
14	73	129	117	142	73	129	117	148
15	60	112	97	133	60	112	97	138
16	50	98	81	125	50	98	81	130
17	42	84	68	112	42	84	68	124
18	36	72	58	100	36	72	58	112
19	30	60	49	89	30	60	49	104
20	25	50	41	77	25	50	41	90
21	21	42	34	68	21	42	34	80
22	18	36	28	60	18	36	28	72
23	15	30	23	52	15	30	23	64
24	13	26	19	46	13	26	19	56
25	11	22	16	40	11	22	16	48
26	9	18	13	36	9	18	13	42
27	8	16	12	33	8	16	12	39
28	7	14	11	30	7	14	11	36
29	6	12	10	28	6	12	10	33
30	5	10	9	26	5	10	9	30

Floor Load Tables

Allowable Uniform Floor Load (in pounds per lineal foot (PLF))

100% Load Duration

Span Length	BCI® 60s 2.0 Series 2 5/16" Flange Width			BCI® 90s 2.0 Series 3 1/2" Flange Width		
	11 1/2" BCI® 60s 2.0		14" BCI® 60s 2.0		16" BCI® 60s 2.0	
	Live Load	Total Load	Live Load	Total Load	Live Load	Total Load
6	366	366	366	366	450	456
7	314	314	314	385	388	391
8	275	275	275	337	340	342
9	244	244	244	300	302	304
10	220	220	220	270	272	274
11	200	200	200	245	247	249
12	183	183	183	225	226	228
13	169	169	169	207	209	210
14	155	157	157	192	194	195
15	128	146	146	180	181	182
16	107	137	137	152	168	171
17	90	129	129	129	158	161
18	77	122	110	122	150	152
19	66	115	95	115	142	144
20	57	110	82	110	135	137
21	50	100	72	104	128	130
22	43	87	63	100	122	124
23		55	95	74	112	119
24		49	91	65	109	114
25		43	87	58	104	109
26		42	84	52	104	105
27		47	81	47	100	101
28		42	78	45	91	97
29		41	82	41	85	94
30				50	91	91

date: 09/26/19
scale: AS NOTED
by: B. HATTORI
rev:



PROJECT NORTH ENGINEERING
5054 Waterport Way, Duluth, Georgia 30096
770.582.0345 / bryce.hattori@gmail.com

FRAMING INFO.

FRIEDMAN RESIDENCE
303 VICKERS DRIVE
ATLANTA, GEORGIA 30307

