

Architectural Plans



South Elevation



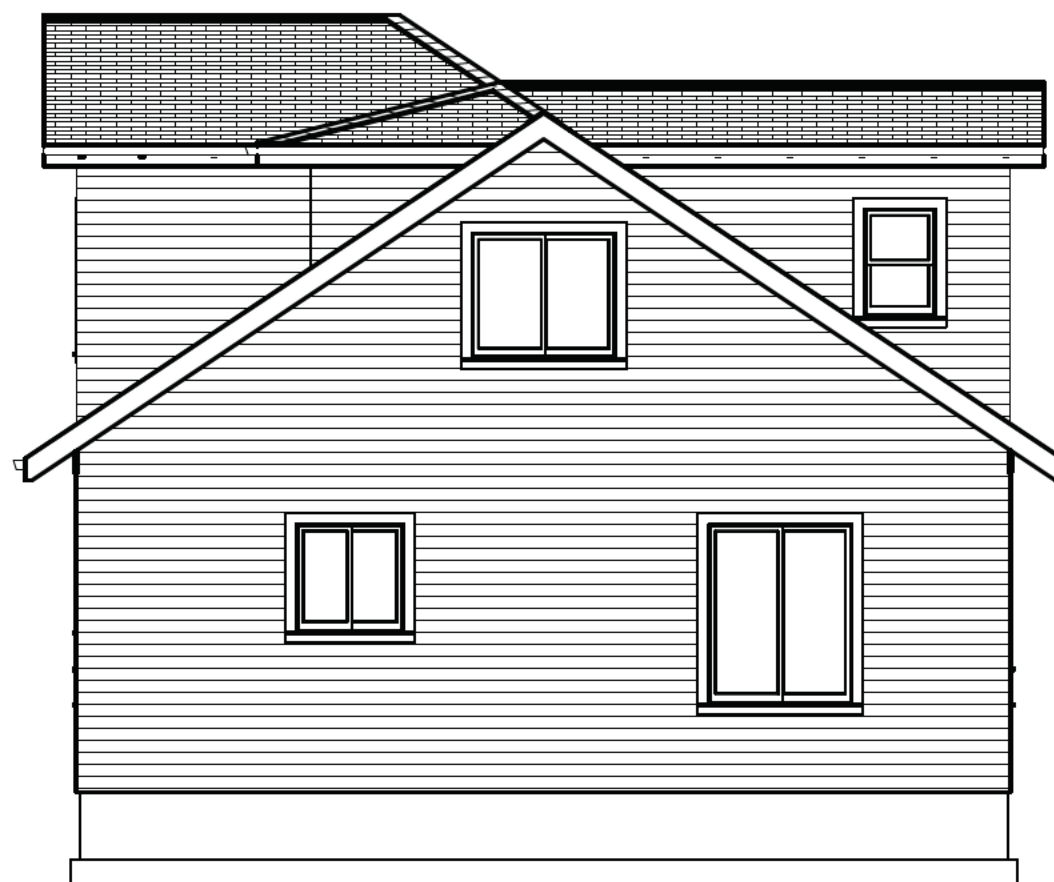
North Elevation

SHEET TITLE:
Front and Rear
Elevations

SCALE:
3/16"=1'
SHEET:
A-2



East Elevation



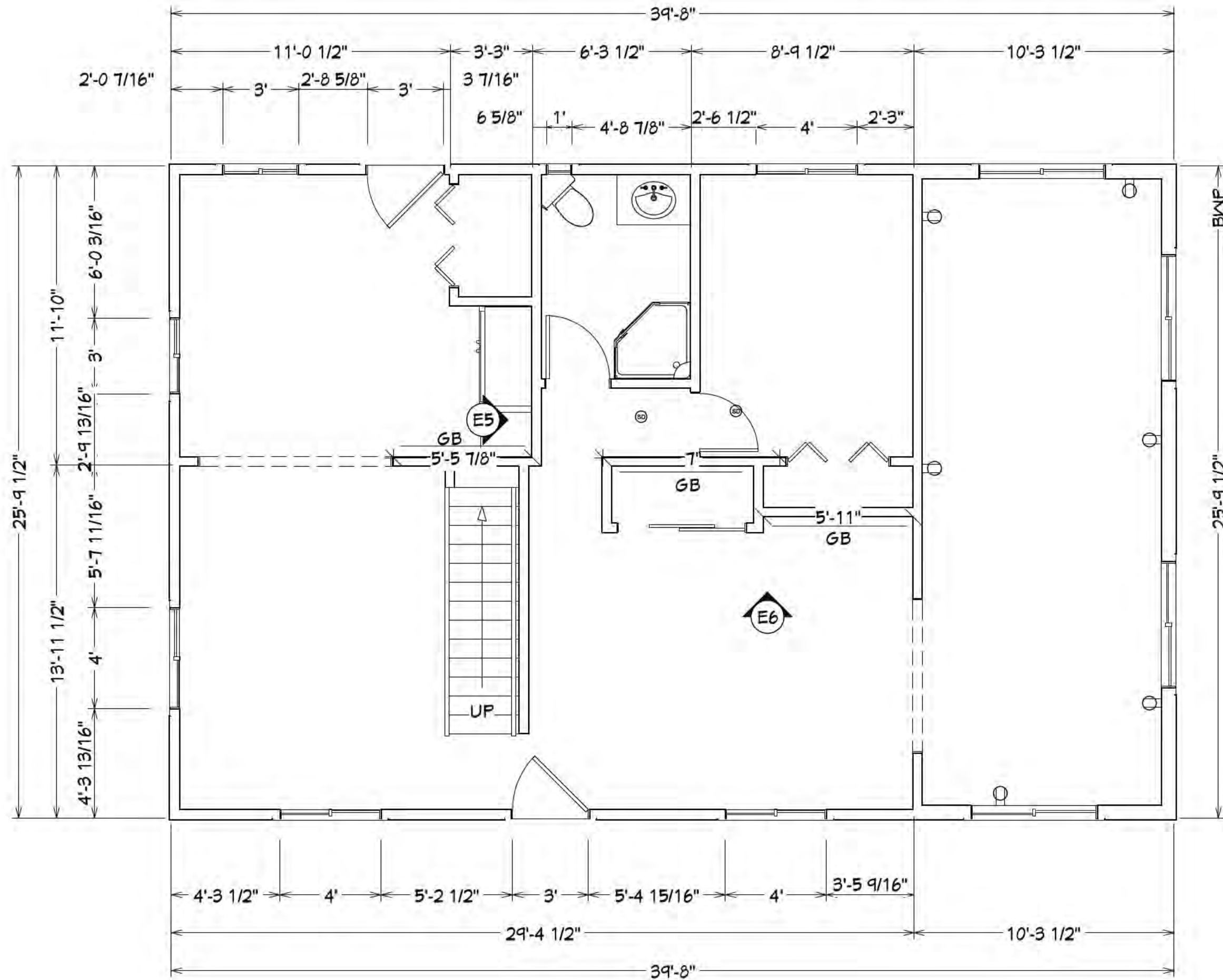
West Elevation

SCALE:

3/16"=1'

SHEET:

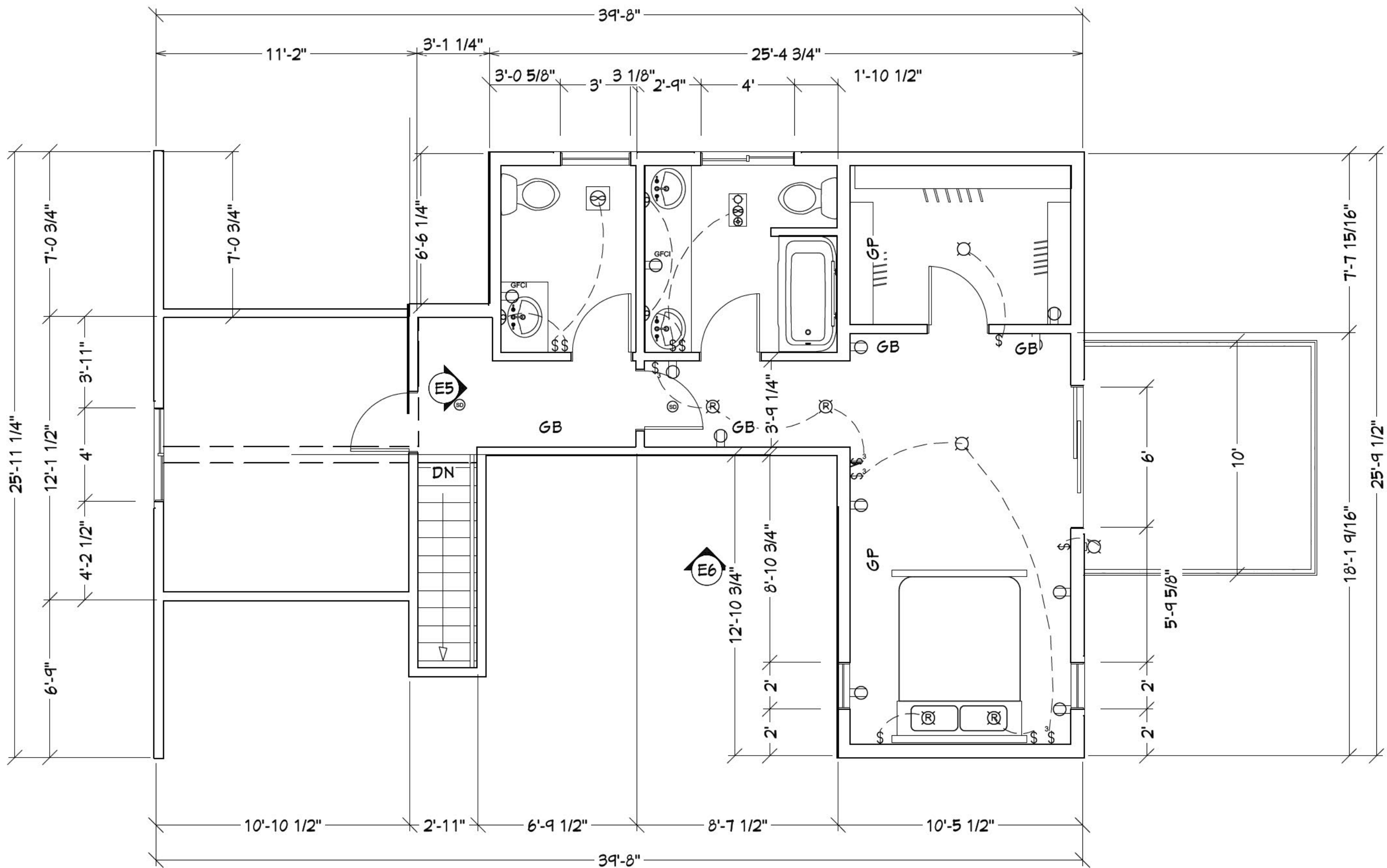
A-3



SHEET TITLE:

First Floor Plan

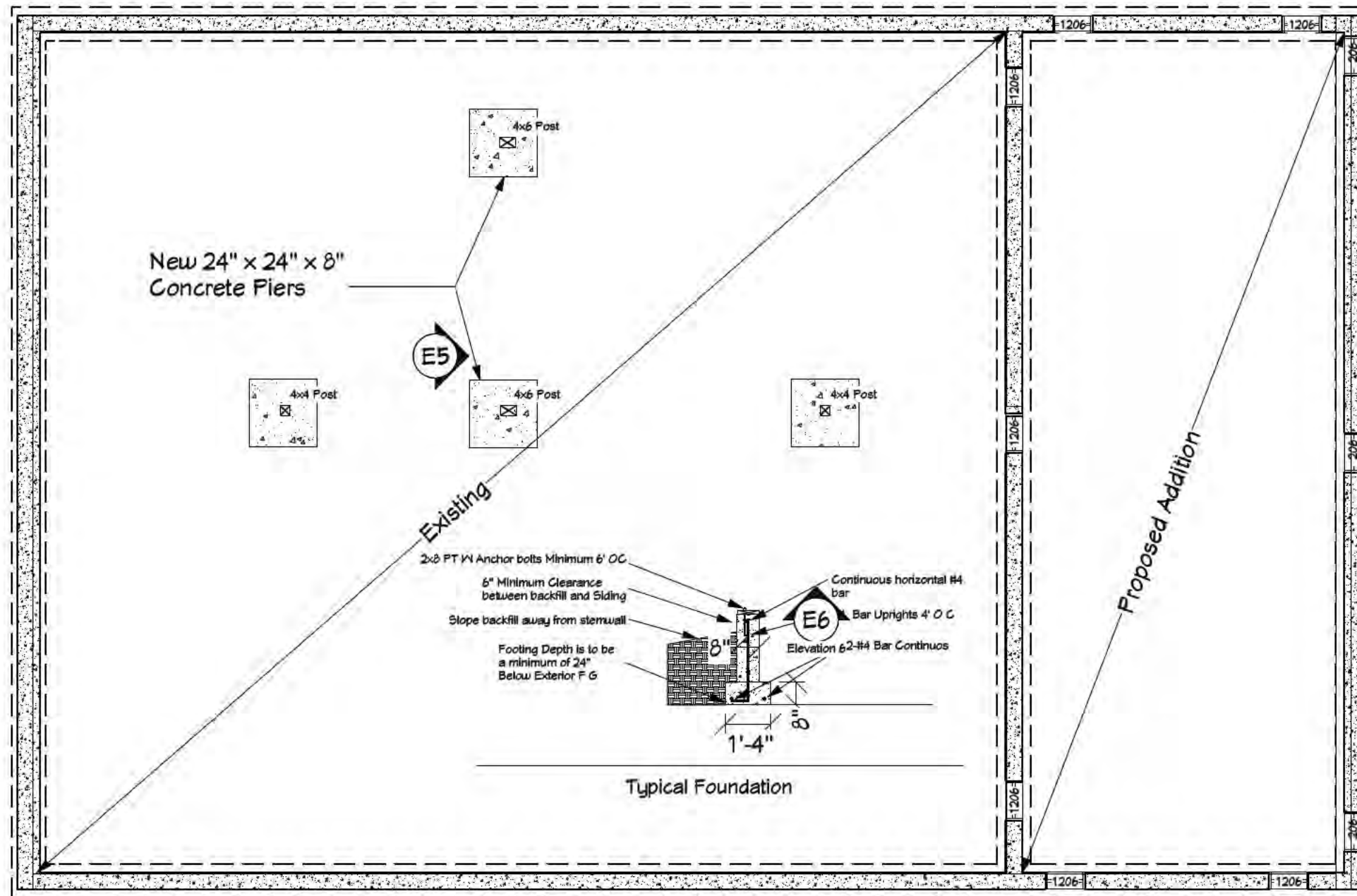
SCALE:
1/4"=1'
SHEET:
A-4



SHEET TITLE:

Second Floor Plan

SCALE:
1/4"=1'
SHEET:
A-5

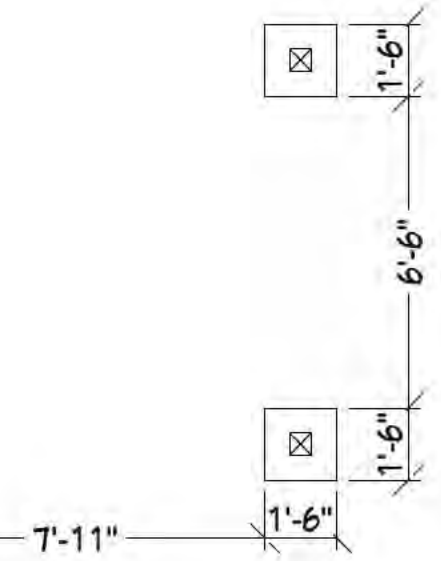
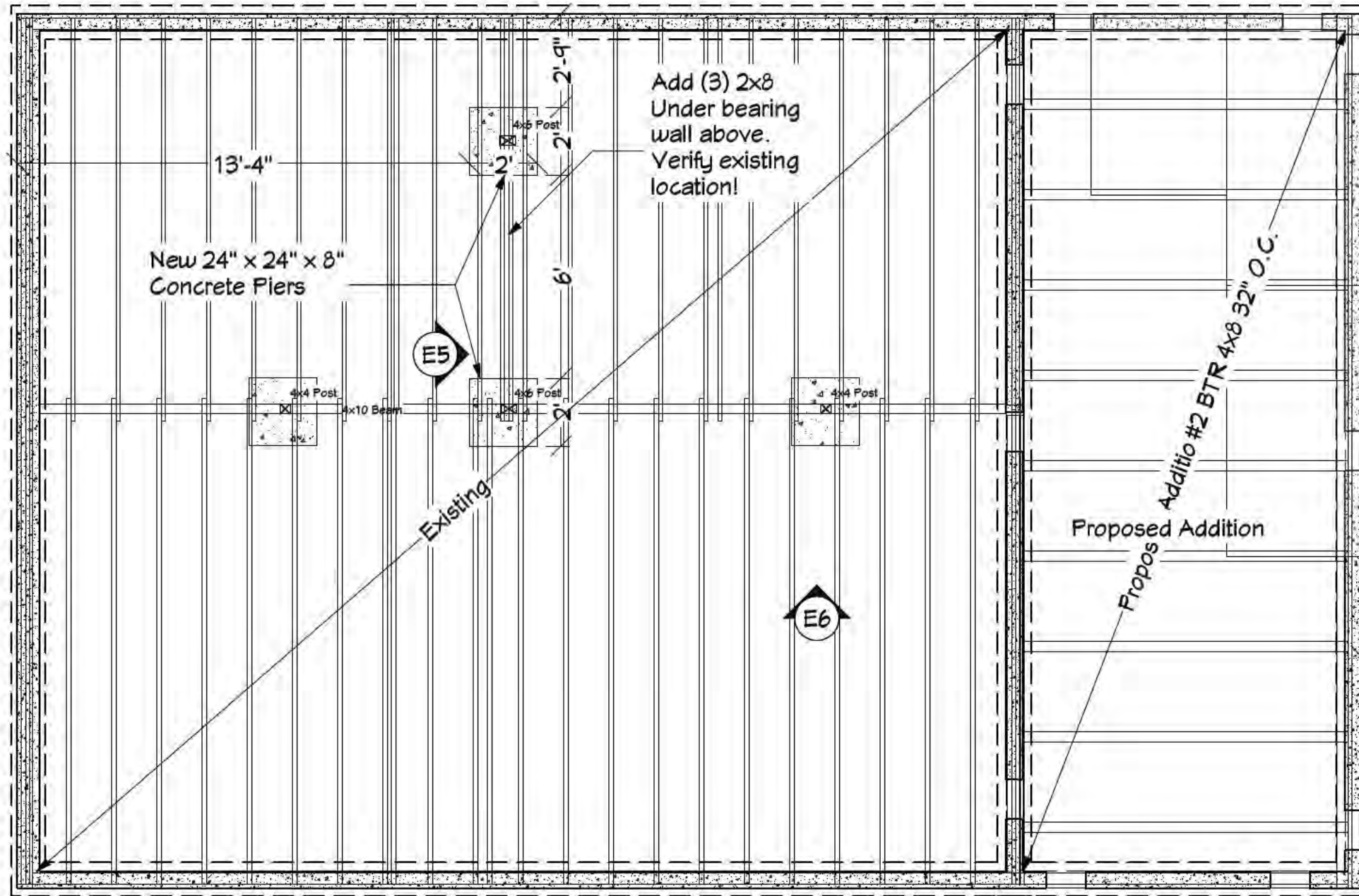


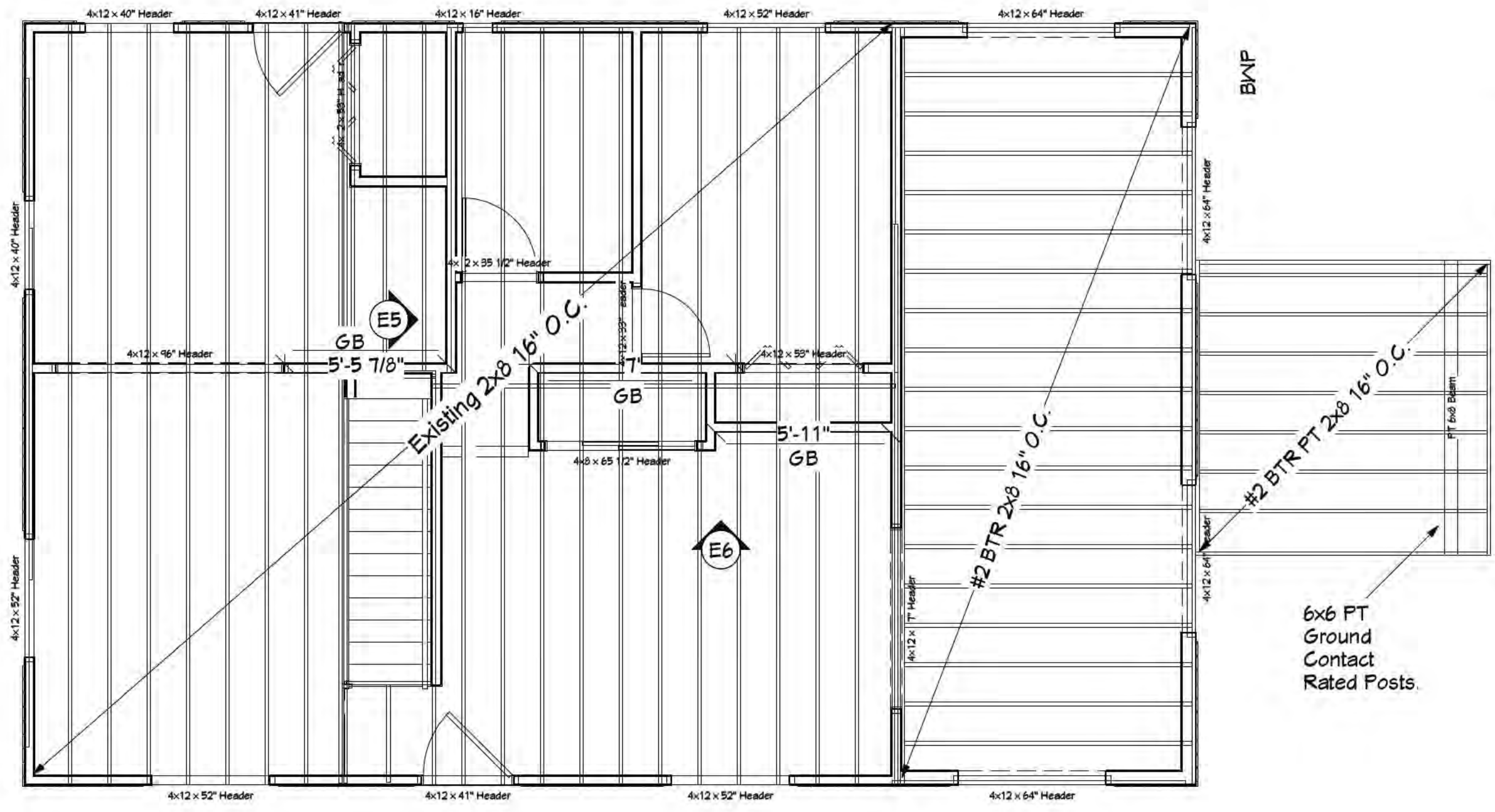
New 24" x 24" x 8"
Concrete Piers

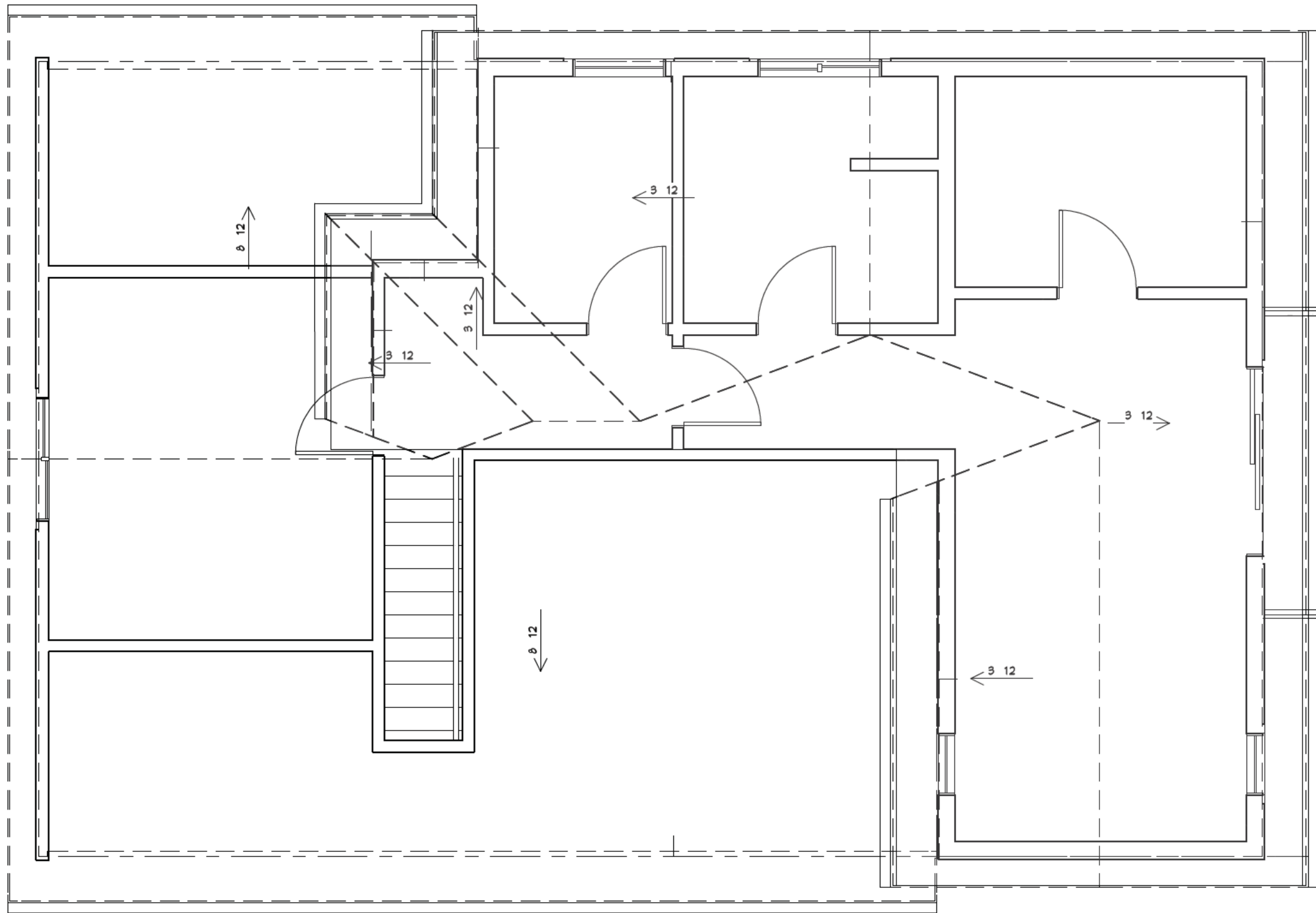
Existing

Proposed Addition

Typical Foundation





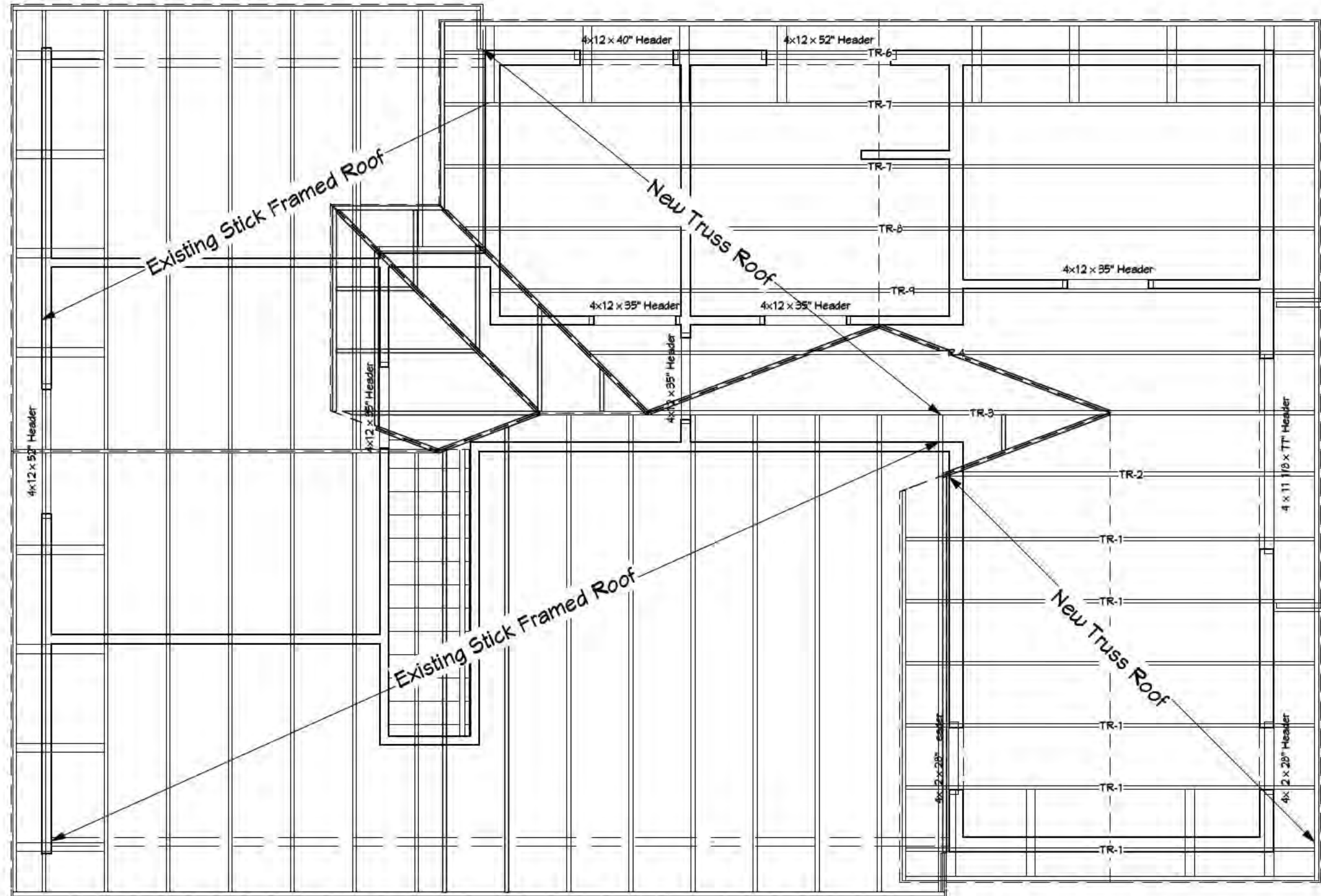


SHEET TITLE:

Roof Layout

SCALE:
1/4"=1'
SHEET:
A-9

□ New Roof Truss Area



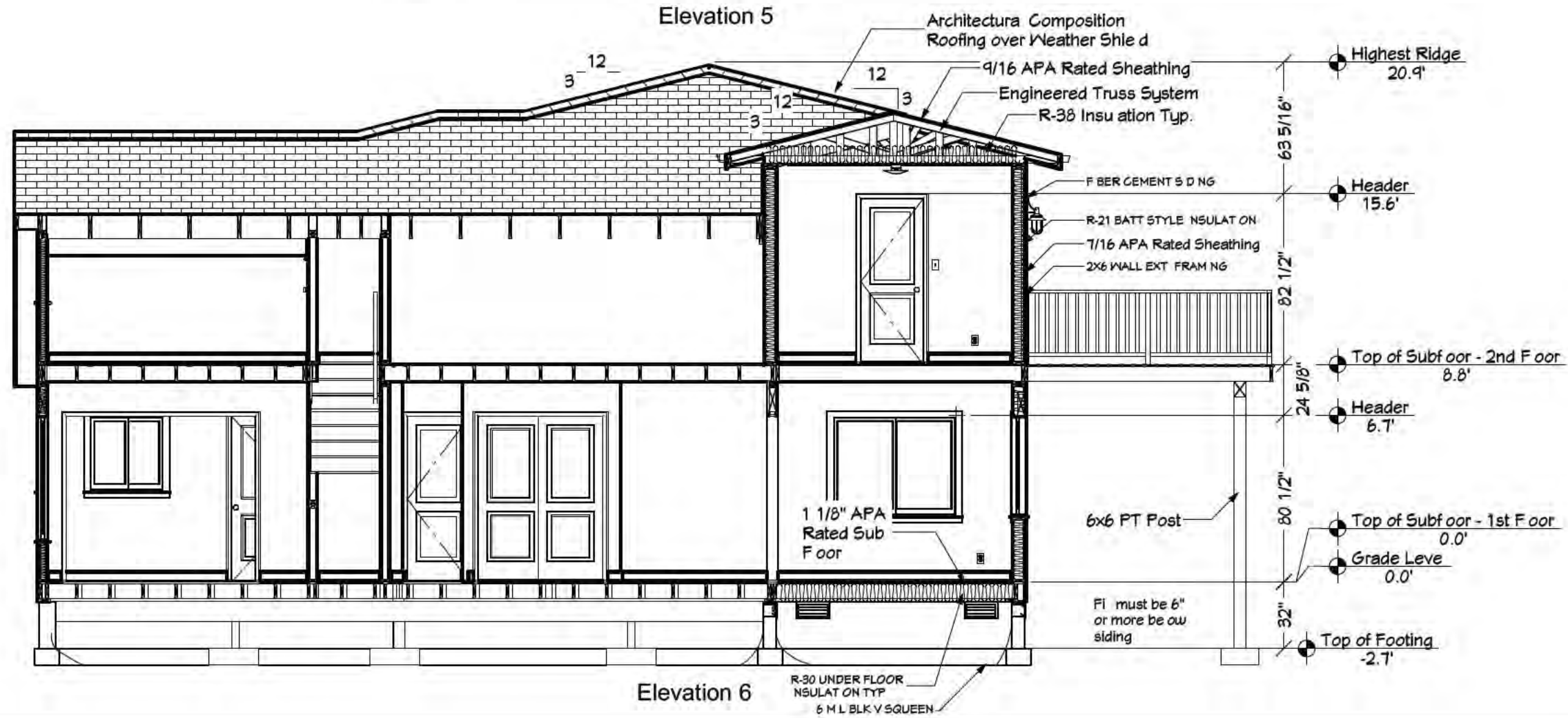
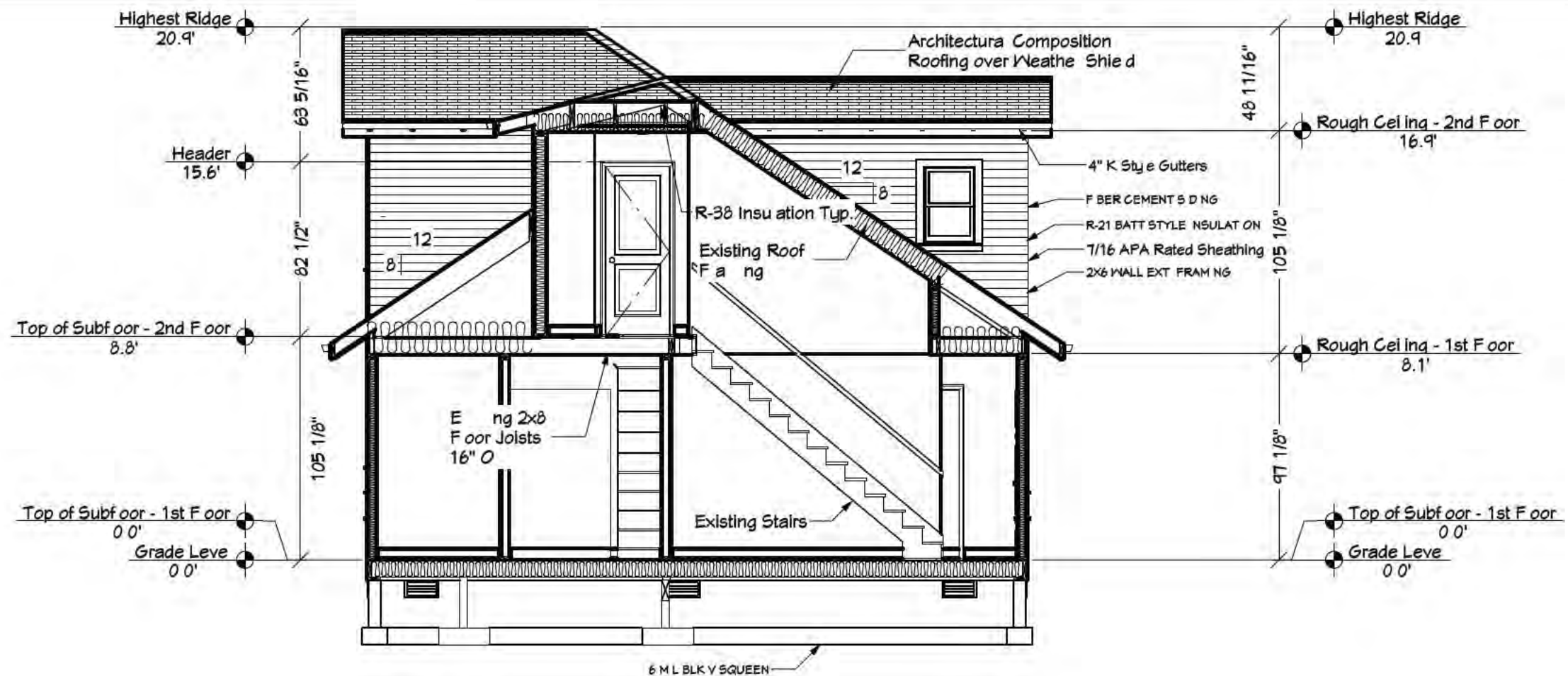
Framing, Roof Plan View

SCALE:

1/4"=1'

SHEET:

A-10



Engineering plans

Contact your local municipality to find out what type of architectural and engineering plans they may require.

Prescriptive Wall Bracing Calculator - Wind

Wind Adjustment Factors: 2017 ORSC Table R602.10.3(2)

Job Name: _____
 Job Address: _____
 Check which floor this applies to: 1st floor: 2 2nd floor: _____ Number of Stories: 2 Seismic Zone: D1
 Eave to Ridge Height: 4' Wall Height: 8 Wind Speed: 120 Wind Exposure: B

Wall line ID (indicate wall line ID's on plans):	1	2	3	4	5	A	B	C	D	E
Wind Exposure Category Factor (Item 1)	1	1	1			1	1	1	1	1
Roof Eave to Ridge Height Factor (Item 2)	1	1	1			1	1	1	1	1
Wall Height Adjustment Factor (Item 3)	0.9	0.9	0.9			0.9	0.9	0.9	0.9	0.9
Number of Braced Wall Lines Factor (Item 4)	1.3	1.3	1.3			1.45	1.45	1.45	1.45	1.45
Additional 800-Pound Hold-Down Device Factor (Item 5)	1	1	1			1	1	1	1	1
Interior Gypsum Board Finish Factor (Item 6)	1.4	1.4	1.4			1.4	1.4	1.4	1.4	1.4
Gypsum Board Fastening Factor (Item 7)	0.7	0.7	0.7			0.7	0.7	0.7	0.7	0.7
Total Wind Adjustment Factor:	1.147	1.147	1.147			1.219	1.219	1.219	1.219	1.219

Braced Wall Line	Bracing Method	Braced Wall Line Spacing	Req'd Bracing Per Table R602.10.3(1)	Total Wind ADJ Factor	Total Required Bracing Length	Length Provided	PASS or FAIL
1	WSP	14.25	8	1.147	9.17	23.666	PASS
2	GB	14.25	14	1.147	16.05	18.33	PASS
3	WSP	14.25	8	1.147	9.17	23.666	PASS
4				0.000	0.00		
5				0.000	0.00		
A	WSP	15.333	8	1.279	10.23	18.75	PASS
B	GB	15.333	14	1.279	17.90	22.5	PASS
C	GB	15.333	14	1.279	17.90	19.75	PASS
D	WSP	15.333	8	1.279	10.23	15.75	PASS
E				0.000	0.00		

Notes

Building Codes Division • Department of Consumer and Business Services • State of Oregon
 1535 Edgewater St. NW, Salem, OR 97304 • P.O. Box 14470, Salem, OR 97399-0404
 503-378-4133 • Fax: 503-378-2322 • bcd.oregon.gov

Prescriptive Wall Bracing Calculator - Wind

Wind Adjustment Factors: 2017 ORSC Table R602.10.3(2)

Job Name: _____
 Job Address: _____
 Check which floor this applies to: 1st floor: _____ 2nd floor: x Number of Stories: 2 Seismic Zone: D1
 Eave to Ridge Height: 4' Wall Height: 8 Wind Speed: 120 Wind Exposure: B

Wall line ID (indicate wall line ID's on plans):	1	2	3	4	5	A	B	C	D	E
Wind Exposure Category Factor (Item 1)	1	1	1			1	1	1	1	1
Roof Eave to Ridge Height Factor (Item 2)	0.7	0.7	0.7			0.7	0.7	0.7	0.7	0.7
Wall Height Adjustment Factor (Item 3)	0.9	0.9	0.9			0.9	0.9	0.9	0.9	0.9
Number of Braced Wall Lines Factor (Item 4)	1.3	1.3	1.3			1.45	1.45	1.45	1.45	1.45
Additional 800-Pound Hold-Down Device Factor (Item 5)	1	1	1			1	1	1	1	1
Interior Gypsum Board Finish Factor (Item 6)	1.4	1.4	1.4			1.4	1.4	1.4	1.4	1.4
Gypsum Board Fastening Factor (Item 7)	0.7	0.7	0.7			0.7	0.7	0.7	0.7	0.7
Total Wind Adjustment Factor:	0.851	0.851	0.851			0.895	0.895	0.895	0.895	0.895

Braced Wall Line	Bracing Method	Braced Wall Line Spacing	Req'd Bracing Per Table R602.10.3(1)	Total Wind ADJ Factor	Total Required Bracing Length	Length Provided	PASS or FAIL
1	WSP	13.1666	4	0.895	3.21	18.4166	PASS
2	GB	13.1666	7	0.895	5.62	27.666	PASS
3	WSP	13.1666	6	0.895	6.42	10.4167	PASS
4				0.000	0.00		
5				0.000	0.00		
A	WSP	16.25	4	0.895	3.58	8.5	PASS
B	GB	16.25	7	0.895	6.27	17.1	PASS
C	WSP	16.25	4	0.895	3.58	10.0833	PASS
D				0.000	0.00		
E				0.000	0.00		

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Prescriptive Wall Bracing Calculator - Seisn

Seismic Adjustment Factors: 2017 ORSC Table R602.10.3(4)
(This form applies to detached structures in SDC D₁ & D₂ & Townhouses in SDC D)

Job Name: _____
 Job Address: _____
 Check which floor this applies to: 1st floor: x 2nd floor: _____ Number of Stories: 2 Seismic Zone: _____
 Wind Speed: 120 Wind Exp: B Wall Ht: 8 Wall DL: 15 Roof/Ceiling DL for wall supporting: _____

Wall line ID (indicate wall line ID's on plans):	1	2	3	4	5	A	B	C	D
Story Height Factor (Item 1)	1	1	1			1	1	1	1
Brace Wall Line Spacing Factor (Item 2 or 3)	1	1	1			1	1	1	1
Wall Dead Load Factor (Item 4)	1	1	1			1	1	1	1
Roof/Ceiling Dead Load Factor (Item 5)	1	1	1			1	1	1	1
Stone or Masonry Veneer Factor (Item 6 or 7)	1	1	1			1	1	1	1
Interior Gypsum Board Factor (Item 8)	1.5	1.5	1.5			1.5	1.5	1.5	1.5
Cripple Wall Factor (R602.10.11)	1	1	1			1	1	1	1
Interior Cripple Wall Factor (R602.10.11.1)	1	1	1			1	1	1	1
Total Seismic Adjustment Factor:	1.500	1.500	1.500			1.500	1.500	1.500	1.500

Braced Wall Line	Bracing Method	Braced Wall Line Length	Req'd Bracing Per Table R602.10.3(4) or Table R602.10.3(5)	Total Seismic ADJ Factor	Total Required Bracing Length	Length Provided	PASS or FAIL
1	WSP	39.666	8	1.500	12.00	23.666	PASS
2	GB	39.666	12	1.500	18.00	18.33	PASS
3	WSP	39.666	8	1.500	12.00	23.666	PASS
4				0.000	0.00		
5				0.000	0.00		
A	WSP	25.75	6	1.500	9.00	18.75	PASS
B	GB	25.75	9	1.500	13.50	22.5	PASS
C	GB	25.75	9	1.500	13.50	19.75	PASS
D	WSP	25.75	6	1.500	9.00	15.75	PASS
E				0.000	0.00		

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Prescriptive Wall Bracing Calculator - Seisn

Seismic Adjustment Factors: 2017 ORSC Table R602.10.3(4)
(This form applies to detached structures in SDC D₁ & D₂ & Townhouses in SDC D)

Job Name: _____
 Job Address: _____
 Check which floor this applies to: 1st floor: _____ 2nd floor: x Number of Stories: 2 Seismic Zone: _____
 Wind Speed: 120 Wind Exp: B Wall Ht: 8 Wall DL: 15 Roof/Ceiling DL for wall supporting: _____

Wall line ID (indicate wall line ID's on plans):	1	2	3	4	5	A	B	C	D
Story Height Factor (Item 1)	1	1	1			1	1	1	1
Brace Wall Line Spacing Factor (Item 2 or 3)	1	1	1			1	1	1	1
Wall Dead Load Factor (Item 4)	1	1	1			1	1	1	1
Roof/Ceiling Dead Load Factor (Item 5)	1.1	1.1	1.1			1.1	1.1	1.1	1.1
Stone or Masonry Veneer Factor (Item 6 or 7)	1	1	1			1	1	1	1
Interior Gypsum Board Factor (Item 8)	1.5	1.5	1.5			1.5	1.5	1.5	1.5
Cripple Wall Factor (R602.10.11)	1	1	1			1	1	1	1
Interior Cripple Wall Factor (R602.10.11.1)	1	1	1			1	1	1	1
Total Seismic Adjustment Factor:	1.460	1.460	1.460			1.460	1.460	1.460	1.460

Braced Wall Line	Bracing Method	Braced Wall Line Length	Req'd Bracing Per Table R602.10.3(4) or Table R602.10.3(5)	Total Seismic ADJ Factor	Total Required Bracing Length	Length Provided	PASS or FAIL
1	WSP	39.666	6	1.650	9.90	23.666	PASS
2	GB	39.666	9	1.650	14.85	18.33	PASS
3	WSP	39.666	6	1.650	9.90	23.666	PASS
4				0.000	0.00		
5				0.000	0.00		
A	WSP	25.75	6	1.650	9.90	10.333	PASS
B	GB	25.75	9	1.650	14.85	15.916	PASS
C	WSP	25.75	6	1.650	9.90	10.5	PASS
D				0.000	0.00		
E				0.000	0.00		

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SHEET TITLE: Wind & Seismic Calc