

**Architect:** OpeningDesign

316 W Washington Ave | Suite 67  
Madison, WI 53703

Madison, WI 53703  
@openingdesign.com | 773.425.6456  
openingdesign.com

# AALSETH RESIDENCE - 03/18/2019

## 3196 AALSETH LN - STOUGHTON, WI 53589

### FLOOR PLAN - 1ST FLOOR

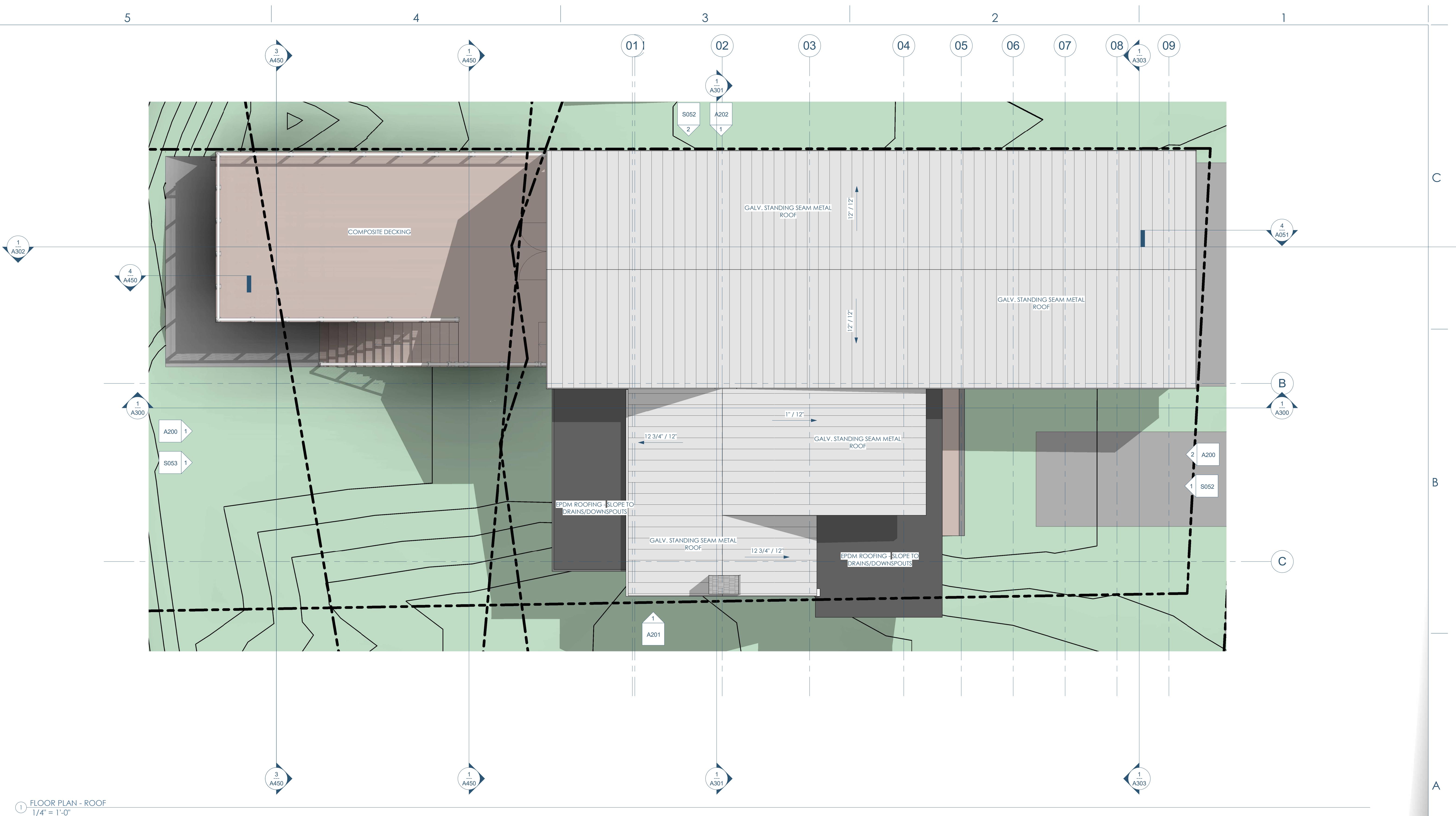
A101

5 4 3 2 1



0 2' 4' 8'





5

4

3

2

1

C

C

B

B

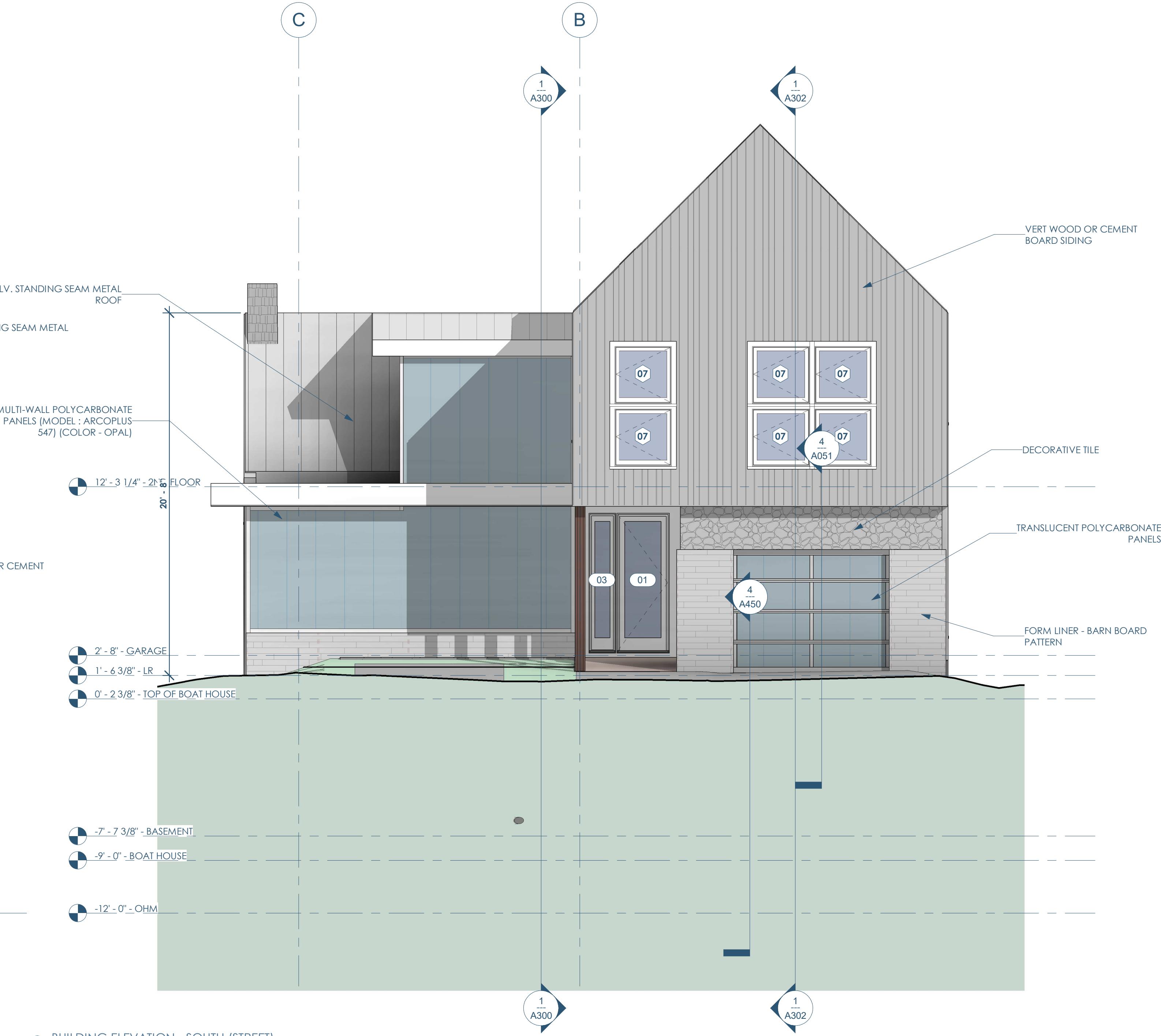
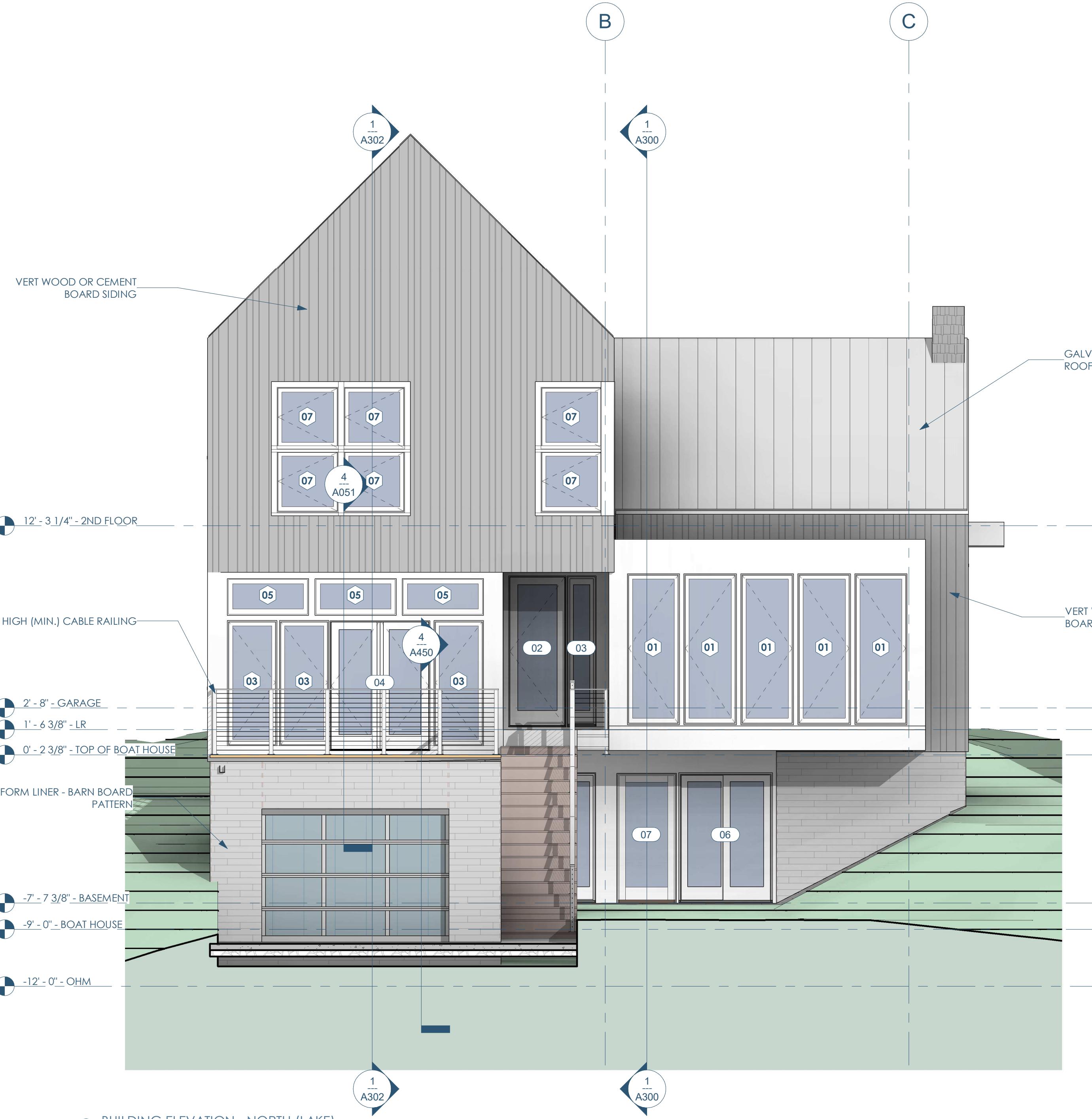
C

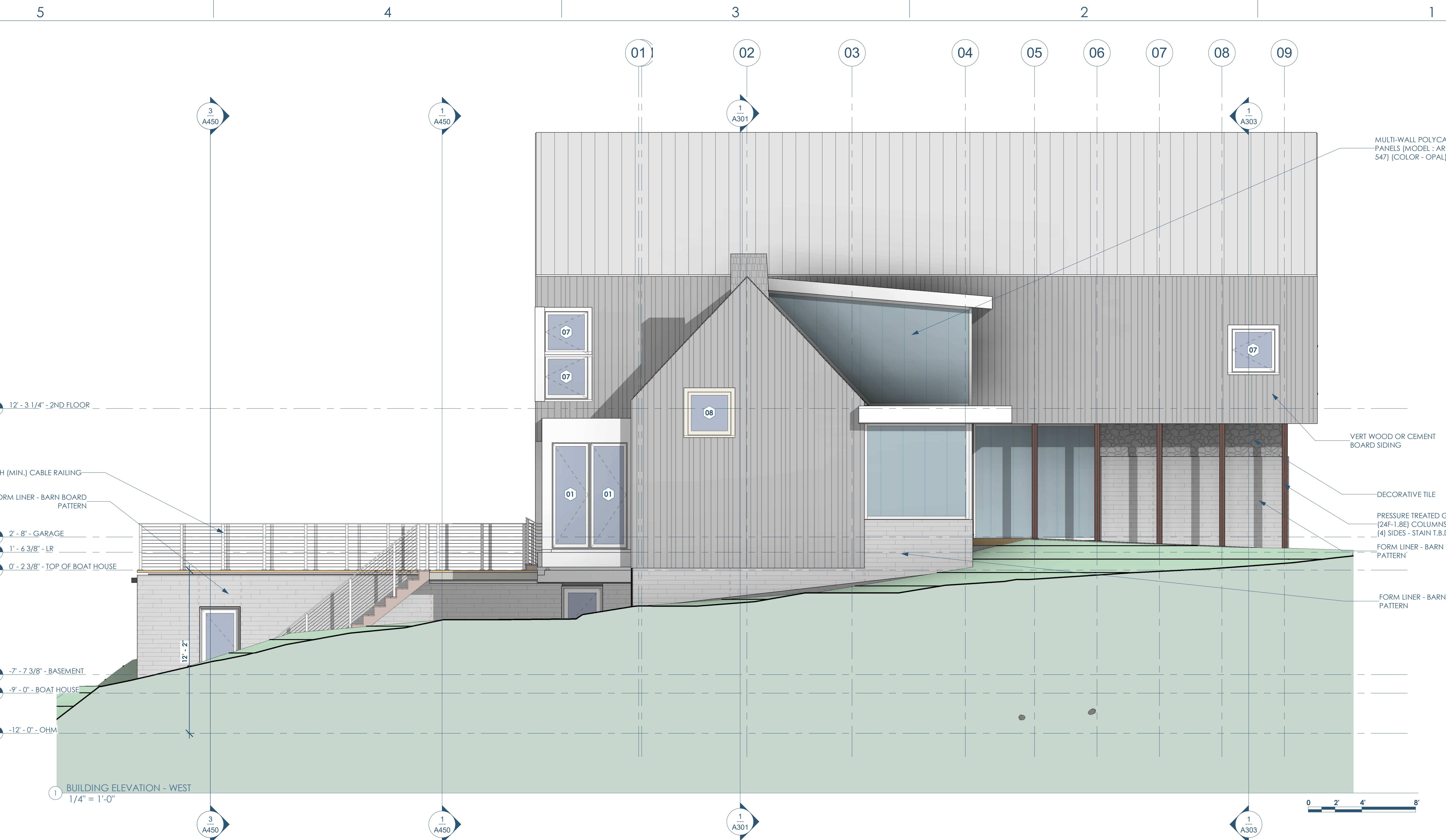
B

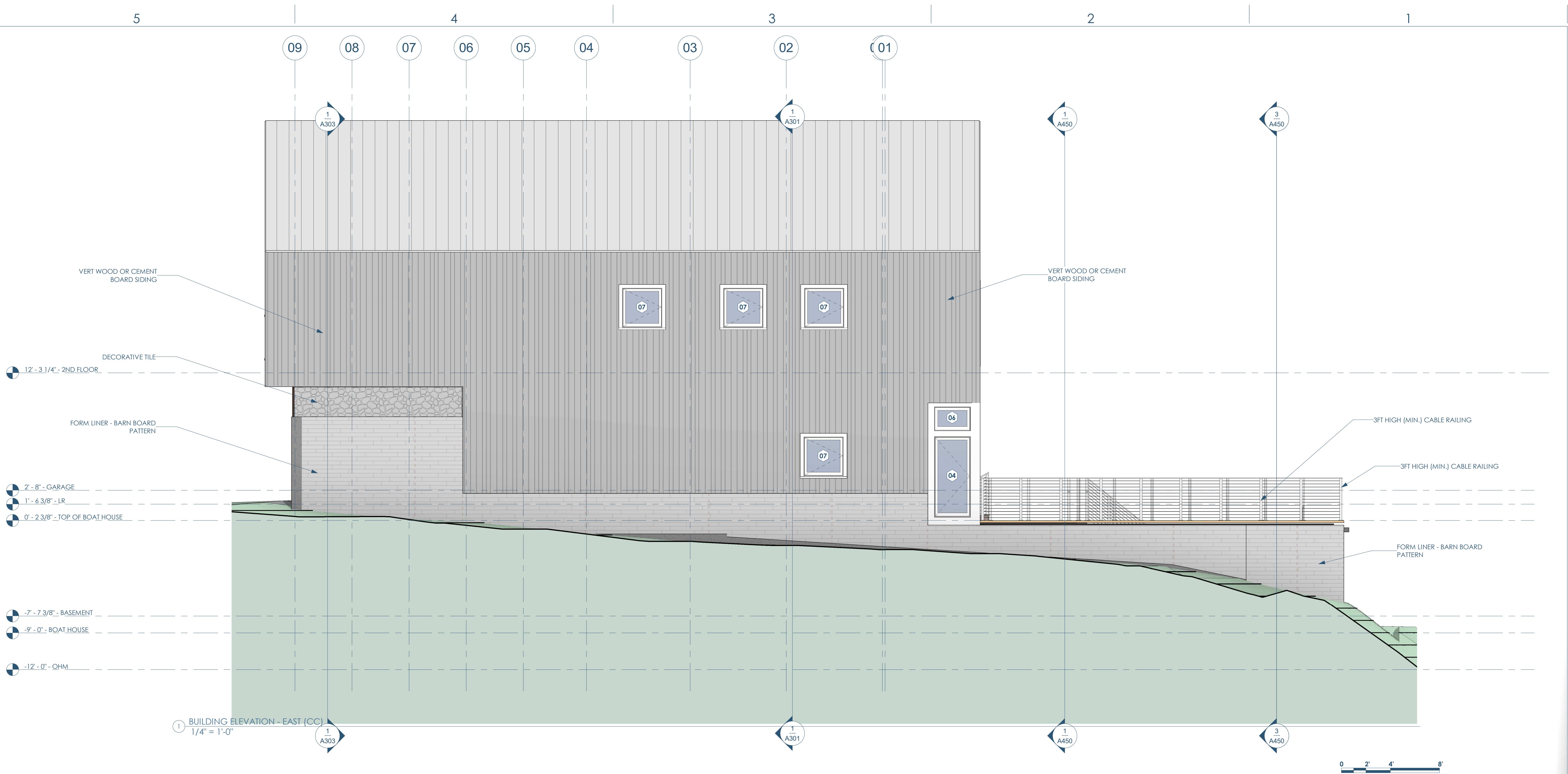
C

B

A



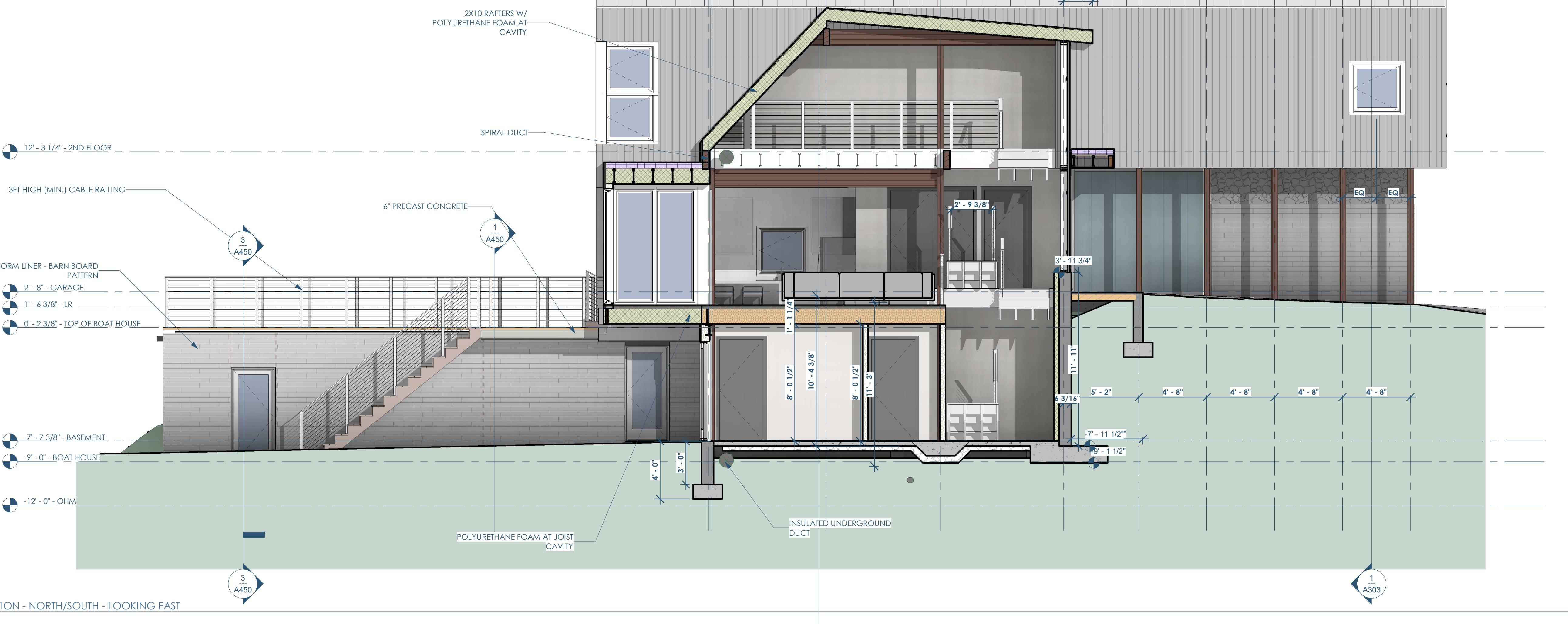




5 4 3 2 1

C

C



① BUILDING SECTION - NORTH/SOUTH - LOOKING EAST

5

4

1

1

1

C

C

This detailed architectural section drawing illustrates the construction and design of a modern two-story residence. The drawing shows a cross-section from the East/West axis, looking South. Key features include a standing seam metal roof, a stone fireplace, a custom 2x8 truss system, and a garage. Foundation details like concrete footings and slab thicknesses are also provided.

**Section Labels:**

- B:** Shows a view of the roof truss system, lateral bracing, and a stone fireplace.
- C:** Shows a view of the foundation, concrete footings, and insulated underground ducts.

**Dimensions:**

- EQ (Exterior Wall) dimensions: 12' - 3 1/4" (2nd Floor), 10' (Concrete Foundation), 2' - 8" (Garage), 1' - 6 3/8" (LR), 0' - 2 3/8" (Top of Boat House), 11' - 9" (Basement), -9' - 0" (Boat House), -12' - 0" (OHM).
- Interior dimensions: 7' - 4", 7' - 1 1/2", 6' - 11 1/2", 1' - 4", -7' - 7 1/2", -8' - 10", 1' - 2 5/8", 8' - 3 5/8".

**Materials and Construction Details:**

- GALV. BAR STOCK LATERAL BRACING (EXPOSED - FINISH GRADE)
- GALV. STANDING SEAM METAL ROOF
- 2X10 RAFTERS W/ POLYURETHANE FOAM AT CAVITY
- STONE FIREPLACE
- 10" CONCRETE FOUNDATION
- 4" CONCRETE SLAB (3000PSI MIN.) W/ #10 6X6 OVER 6 MIL POLYETHYLENE VAPOR BARRIER
- 4" COMPACTED CRUSHED STONE
- CONCRETE FOOTING - 12"X24"
- INSULATED UNDERGROUND DUCT
- CONCRETE FOOTING - 12"X24"
- 6" CONCRETE SLAB (3000PSI MIN.) W/ #10 6X6 OVER 6 MIL POLYETHYLENE VAPOR BARRIER

**Building Section - East/West - Looking South**  
4" = 1'-0"

AALSETH RESIDENCE - 03/18/2019  
3196 AALSETH LN - STOUGHTON WI 53589  
BUILDING SECTION

A301



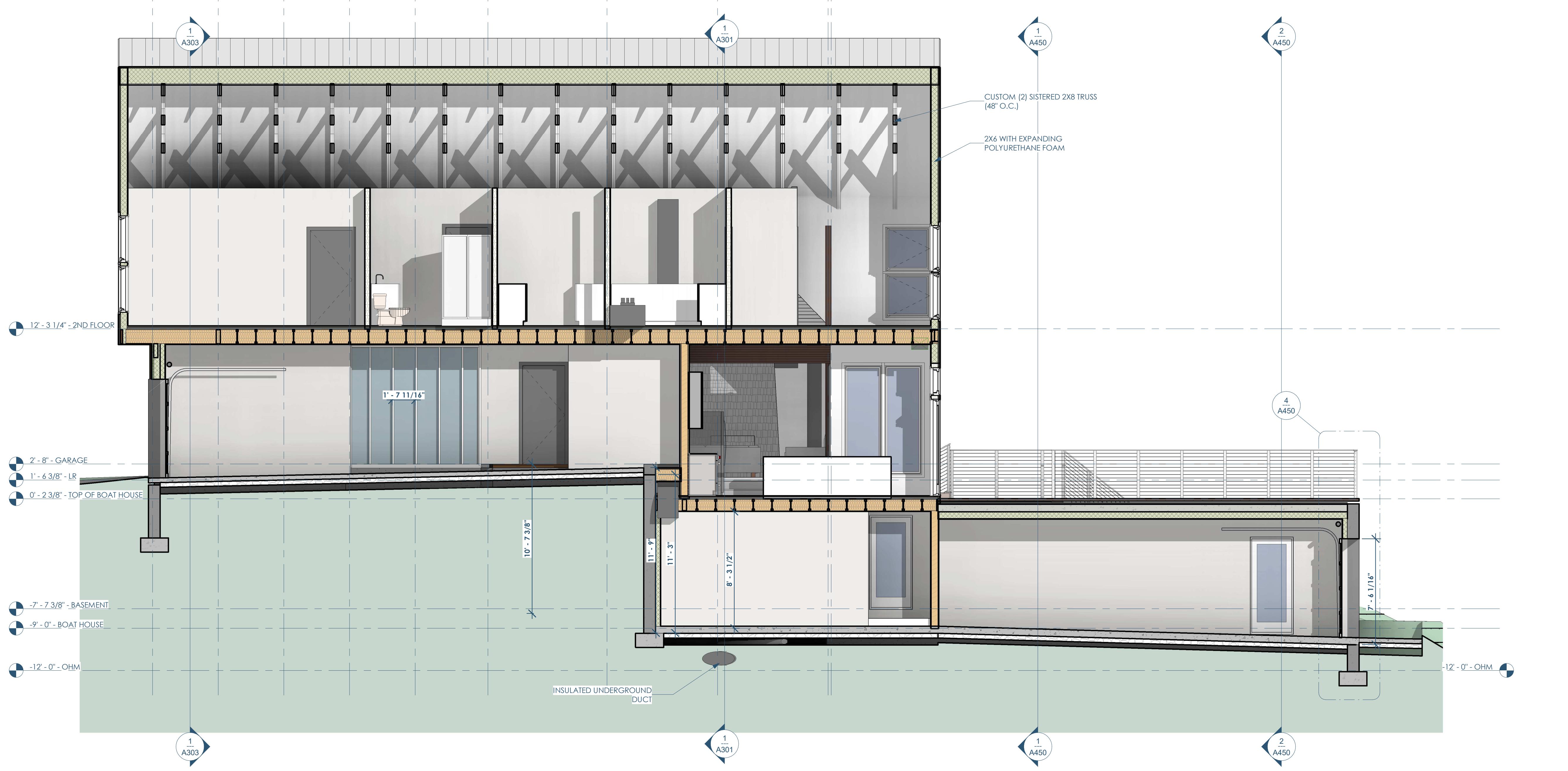
Architect: OpeningDesign  
14 Washington Ave. | Suite 47

316 W Washington Ave | Suite 675  
Madison, WI 53703

ryan@openingdesign.com | 773.425.6456  
openingdesign.com

5

5 4 3 2 1



5

4

3

2

1

C

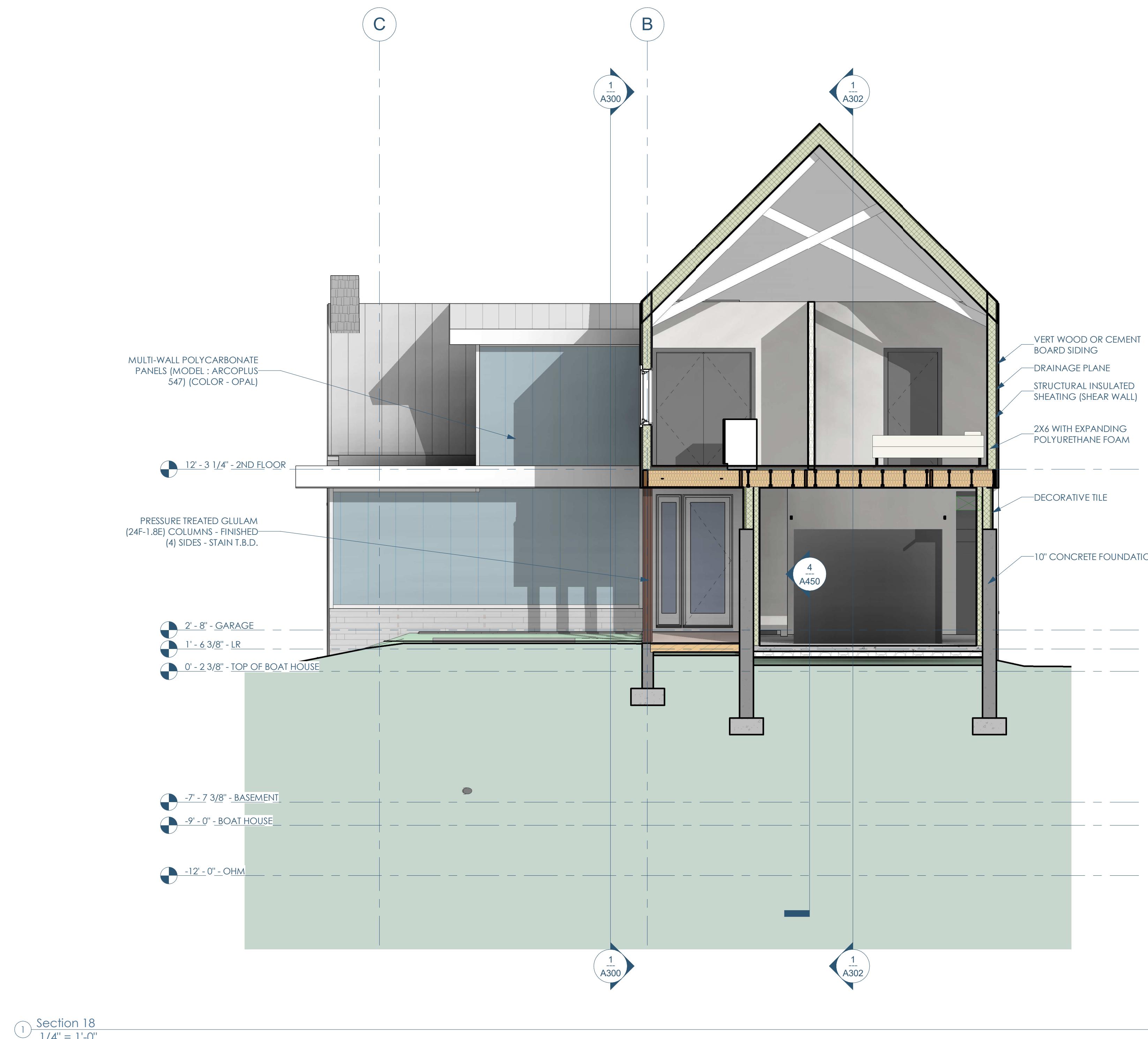
C

B

B

A

A



5

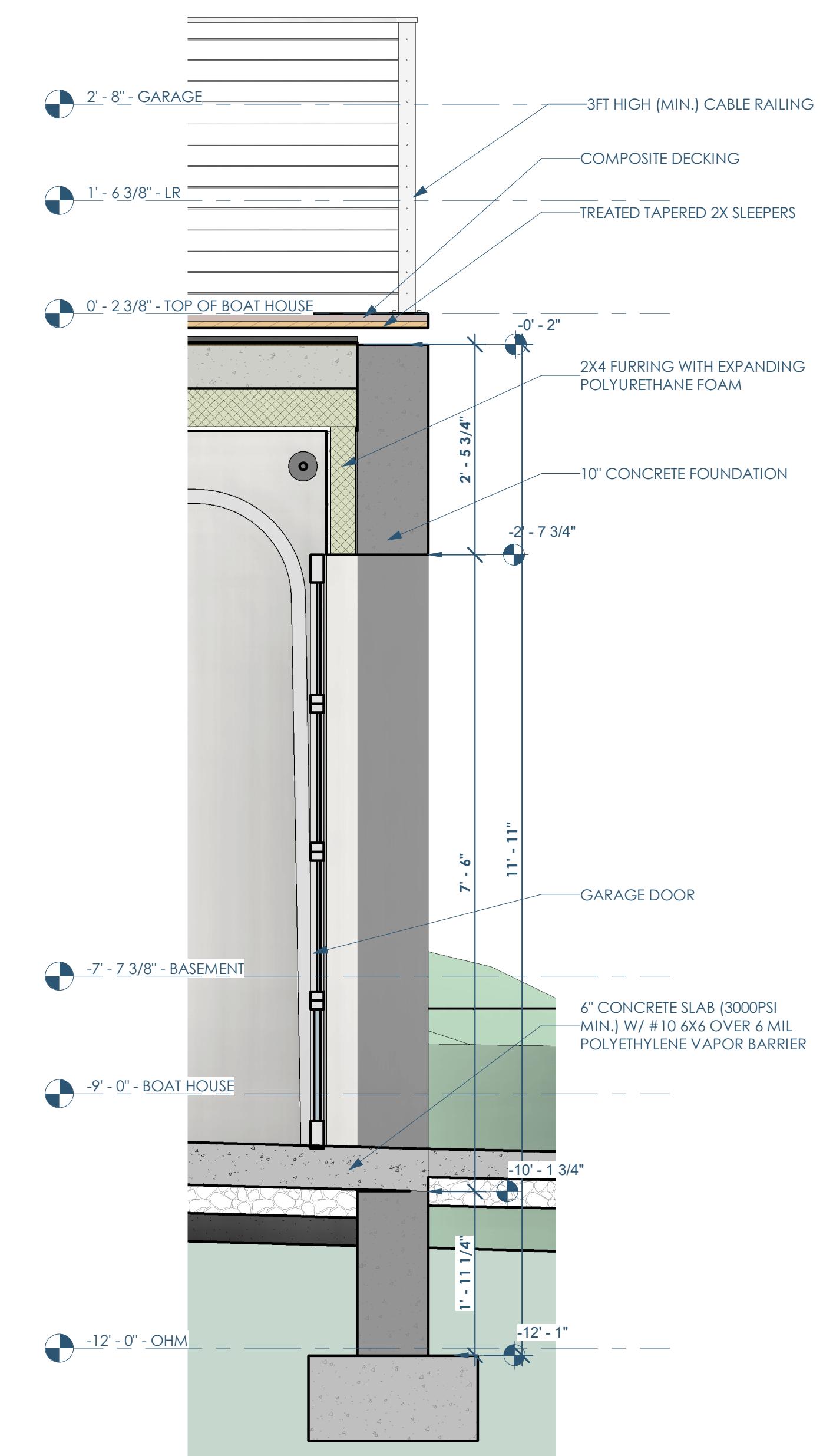
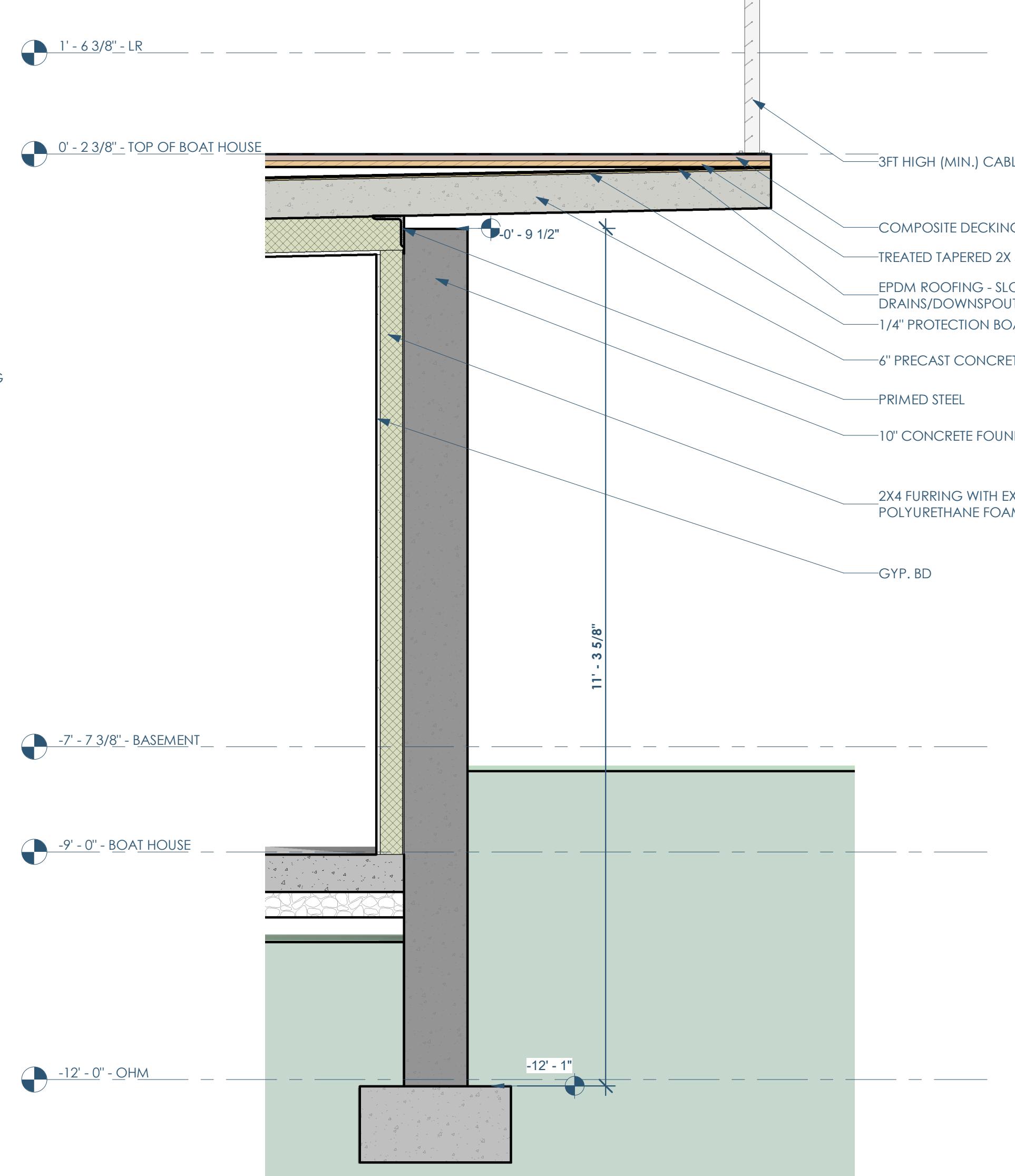
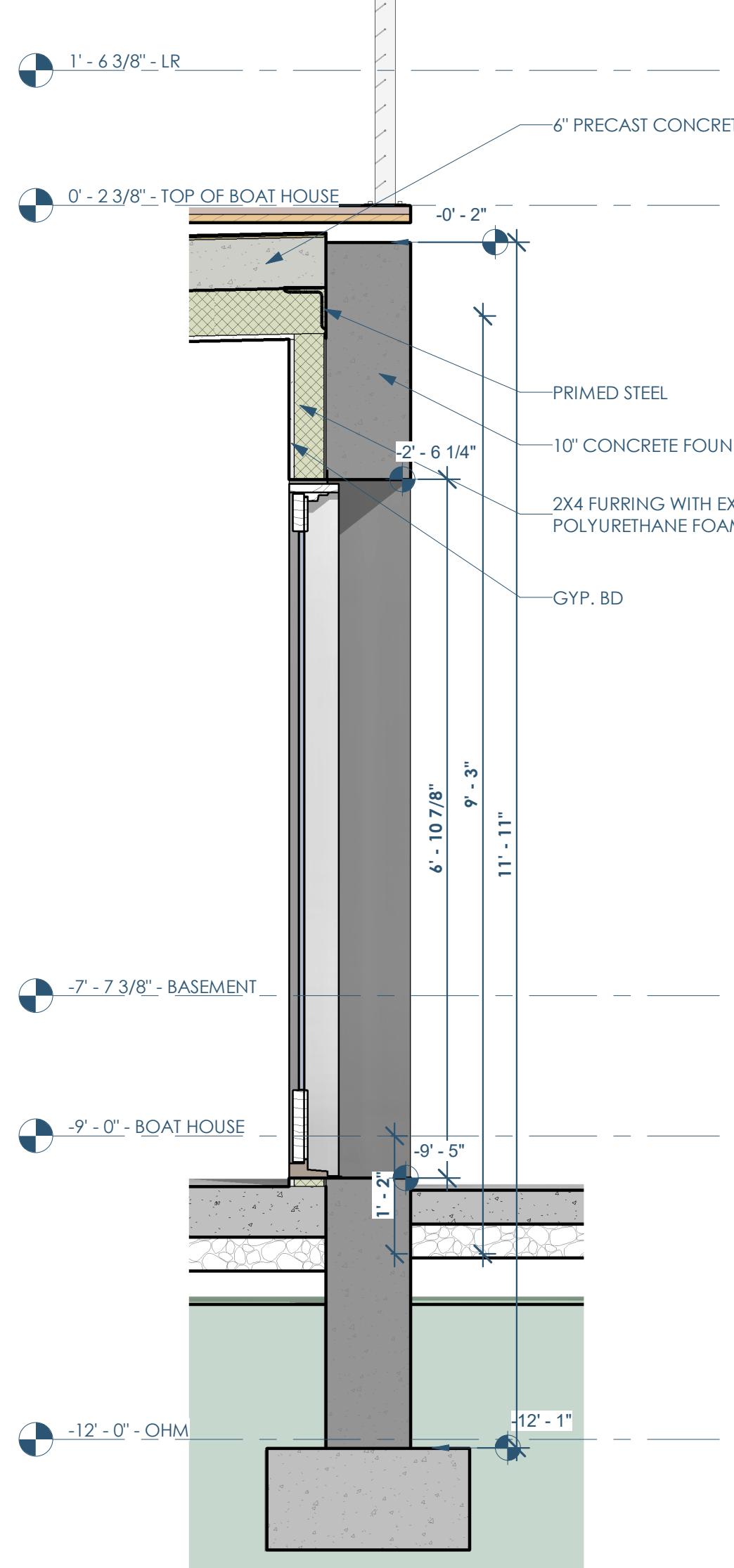
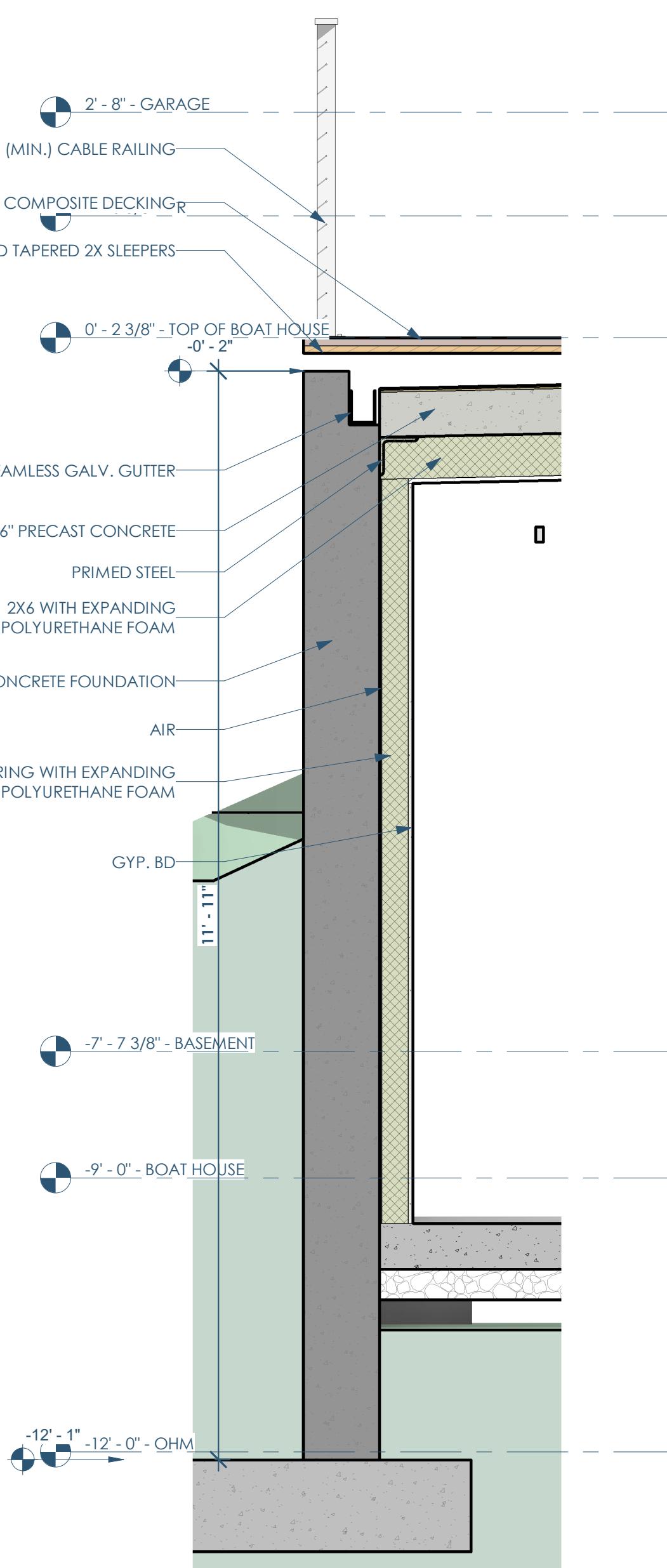
4

3

2

1

C



AALSETH RESIDENCE - 03/18/2019  
3196 AALSETH LN - STOUGHTON, WI 53589  
WALL SECTIONS

A450



Architect: OpeningDesign  
316 W Washington Ave | Suite 675  
Madison, WI 53703  
ryan@openingdesign.com | 773.425.6456  
openingdesign.com

5

4

3

2

1

C

B

A

ROOM SCHEDULE - SIMPLIFIED		
Level	Name	Area
BASEMENT	BOAT HOUSE	371 SF
BASEMENT	UTILITY	203 SF
BASEMENT	STAIR - BASEMENT	110 SF
BASEMENT	GUEST ROOM	148 SF
BASEMENT	BATH	57 SF
BASEMENT	CLOSET	67 SF
BASEMENT	CORRIDOR	89 SF
BASEMENT	STORAGE	46 SF
BASEMENT: 8		1091 SF
GARAGE	GARAGE	486 SF
GARAGE	1/2 BATH	33 SF
GARAGE	KITCHEN	247 SF
GARAGE	LIVING ROOM	617 SF
GARAGE	CLOSET	15 SF
GARAGE: 5		1398 SF
2ND FLOOR	MASTER	257 SF
2ND FLOOR	BATH	119 SF
2ND FLOOR	CLOSET	110 SF
2ND FLOOR	BATH	67 SF
2ND FLOOR	OFFICE	113 SF
2ND FLOOR	BALCONY	200 SF
2ND FLOOR	STAIR - 2ND	89 SF
2ND FLOOR	CLOSET	54 SF
2ND FLOOR	BEDROOM	173 SF
2ND FLOOR: 9		1182 SF
Grand total: 22		3672 SF

WINDOW SCHEDULE - SIMPLIFIED						
Type Mark	Family	Type	Count	Width	Height	Comments
01	Window-Casement-Andersen-A_Series	2'-9 1/4" x 7'-11 1/4"	7	33 1/4"	95 1/4"	TEMPERED GLASS
02	Window-Picture-Andersen-A_Series	33 1/4" x 95 1/4"	4	33 1/4"	95 1/4"	TEMPERED GLASS
03	Window-Casement-Andersen-A_Series	2'-7 1/4" x 6'-7 1/4"	3	31 1/4"	79 1/4"	TEMPERED GLASS
04	Window-Casement-Andersen-A_Series	2'11 1/4" x 6'-7 1/4"	1	35 1/4"	79 1/4"	TEMPERED GLASS
05	Window-Picture-Andersen-A_Series	51 1/4" x 23 1/4"	3	51 1/4"	23 1/4"	TEMPERED GLASS
06	Window-Picture-Andersen-A_Series	35 1/4" x 23 1/4"	1	35 1/4"	23 1/4"	
07	Window-Casement-Andersen-A_Series	3'-3 1/4" x 3'-3 1/4"	19	39 1/4"	39 1/4"	
08	Window-Picture-Andersen-A_Series	39 1/4" x 39 1/4"	1	39 1/4"	39 1/4"	

Grand total: 39

EXTERIOR DOORS						
Type Mark	Family	Type	Count	Width	Height	Comments
01	Door-Inswing-Andersen-A_Series-Single	3' 0-1/8" x 7' 11-1/2"	1	3'-0 1/8"	7'-11 1/2"	
02	Door-Outswing-Andersen-A_Series-Single	3' 0-1/8" x 7' 11-1/2"	1	3'-0 1/8"	7'-11 1/2"	
03	Door-Sidelight-Andersen-A_Series	1'-6 1/4" x 7' 11-1/2"	2	1'-6 1/4"	7'-11 1/2"	
04	Door-Outswing-Andersen-A_Series-Double	5' 3-1/4" x 6' 10-3/8"	1	5'-3 1/4"	6'-10 3/8"	
05	Door-Outswing-Andersen-A_Series-Single	3' 0-1/8" x 6' 10-3/8"	1	3'-0 1/8"	6'-10 3/8"	
06	Door-Gliding-Andersen-A_Series-Double	4' 11-1/4" x 6' 10-3/8"	1	4'-11 1/4"	6'-10 3/8"	
07	Door-Gliding-Andersen-E_Series-Sidelight	3' 2" x 6' 10"	1	3'-2"	6'-10"	
08	Door-Inswing-Andersen-400_Series-Single	3' 0-1/8" x 6' 7-1/2"	1	3'-0 1/8"	6'-7 1/2"	
09	Door-Inswing-Andersen-400_Series-Single	3' 0-1/8" x 6' 10-3/8"	1	3'-0 1/8"	6'-10 3/8"	

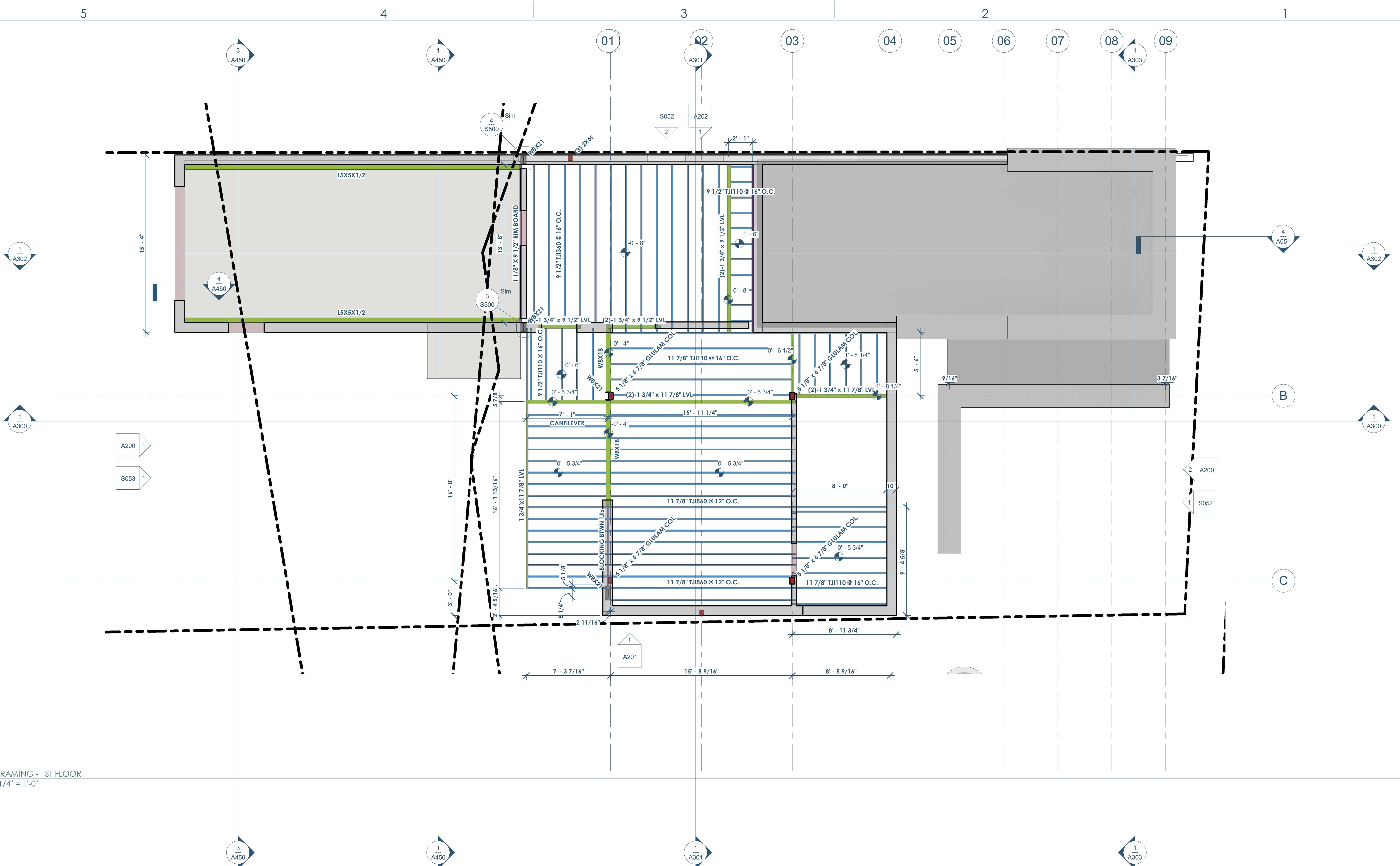
(1) FRAMING - 1ST FLOOR  
1/4' = 1'-0"

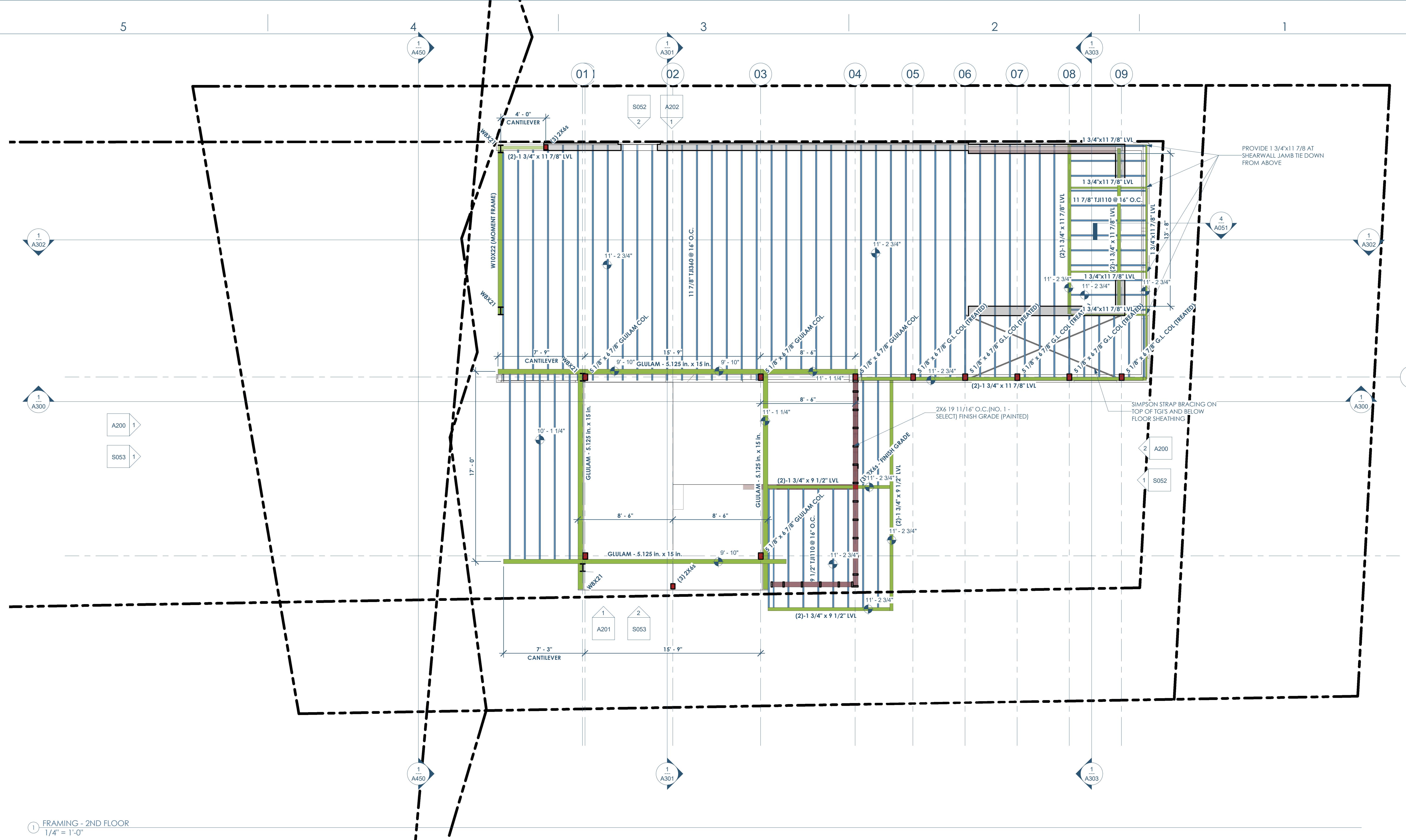


Architect: OpeningDesign  
316 W Washington Ave | Suite 675  
Madison, WI 53703  
ryan@openingdesign.com | 773.425.6456  
openingdesign.com

AALSETH RESIDENCE - 03/18/2019  
3196 AALSETH LN - STOUGHTON, WI 53589  
FRAMING - 1ST FLOOR

S101





# AALSETH RESIDENCE - 03/18/2019

## 3196 AALSETH LN - STOUGHTON, WI 53589

### FRAMING - SECOND FLOOR

# S102



---

**Architect:** OpeningDesign  
1816 W Washington Ave | Suite 67  
Madison, WI 53703  
 [@openingdesign.com](mailto:@openingdesign.com) | 773.425.  
[openingdesign.com](http://openingdesign.com)

5

4

3

2

1

C

C

B

B

A

A

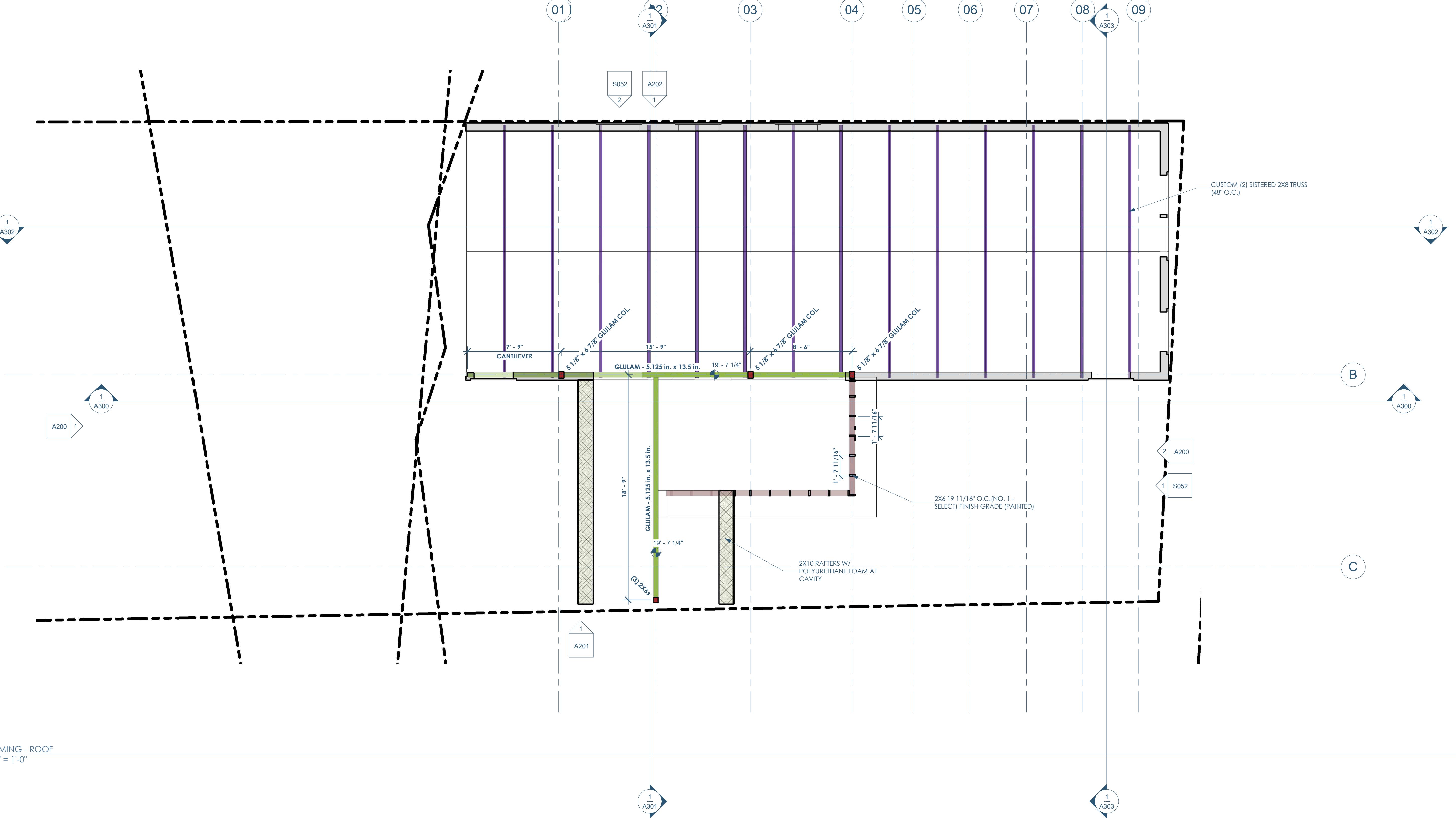
1 FRAMING - ROOF  
1/4" = 1'-0"



Architect: OpeningDesign  
316 W Washington Ave | Suite 675  
Madison, WI 53703  
ryan@openingdesign.com | 773.425.6456  
openingdesign.com

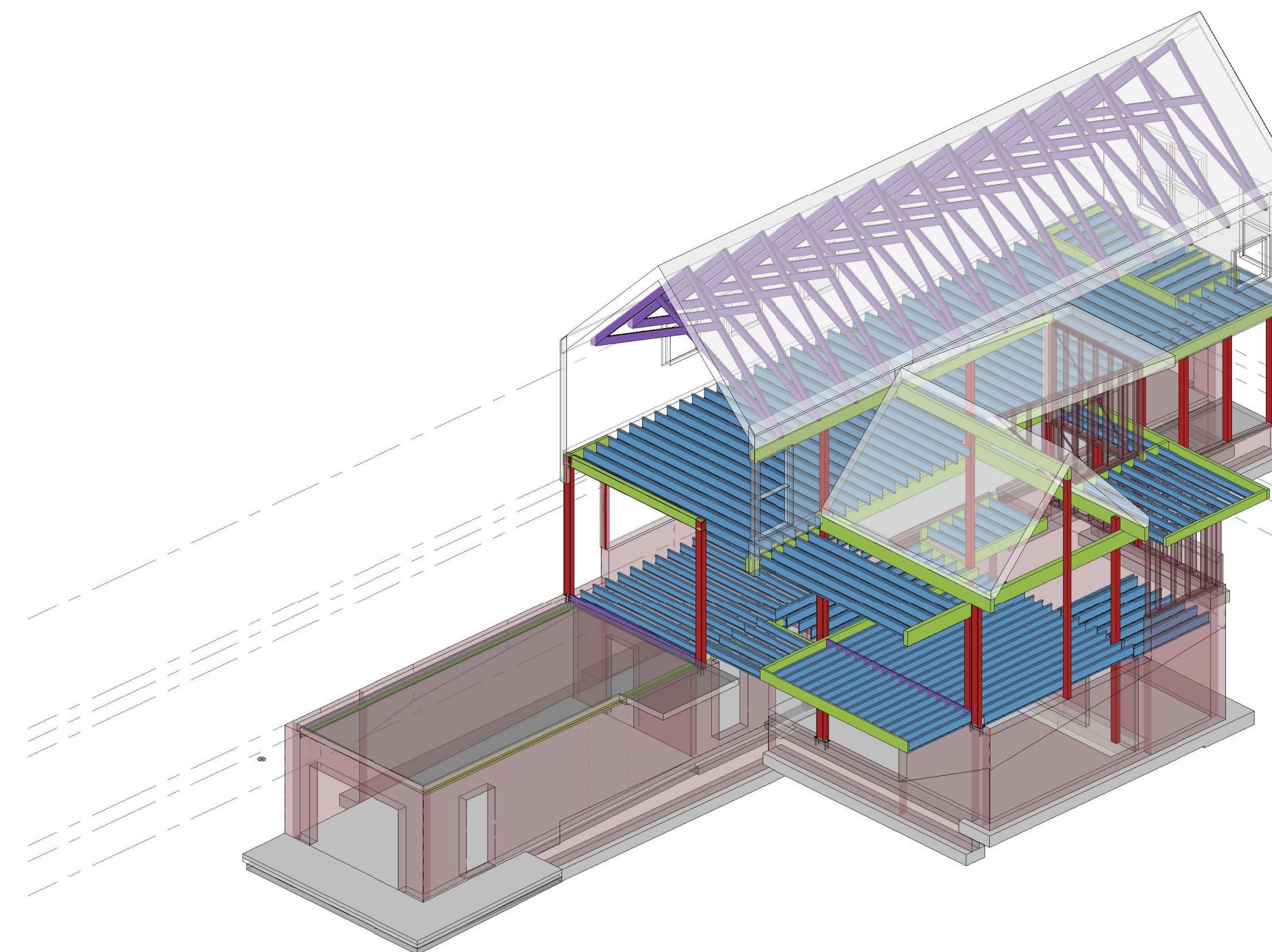
AALSETH RESIDENCE - 03/18/2019  
3196 AALSETH LN - STOUGHTON, WI 53589  
FRAMING - ROOF

S103

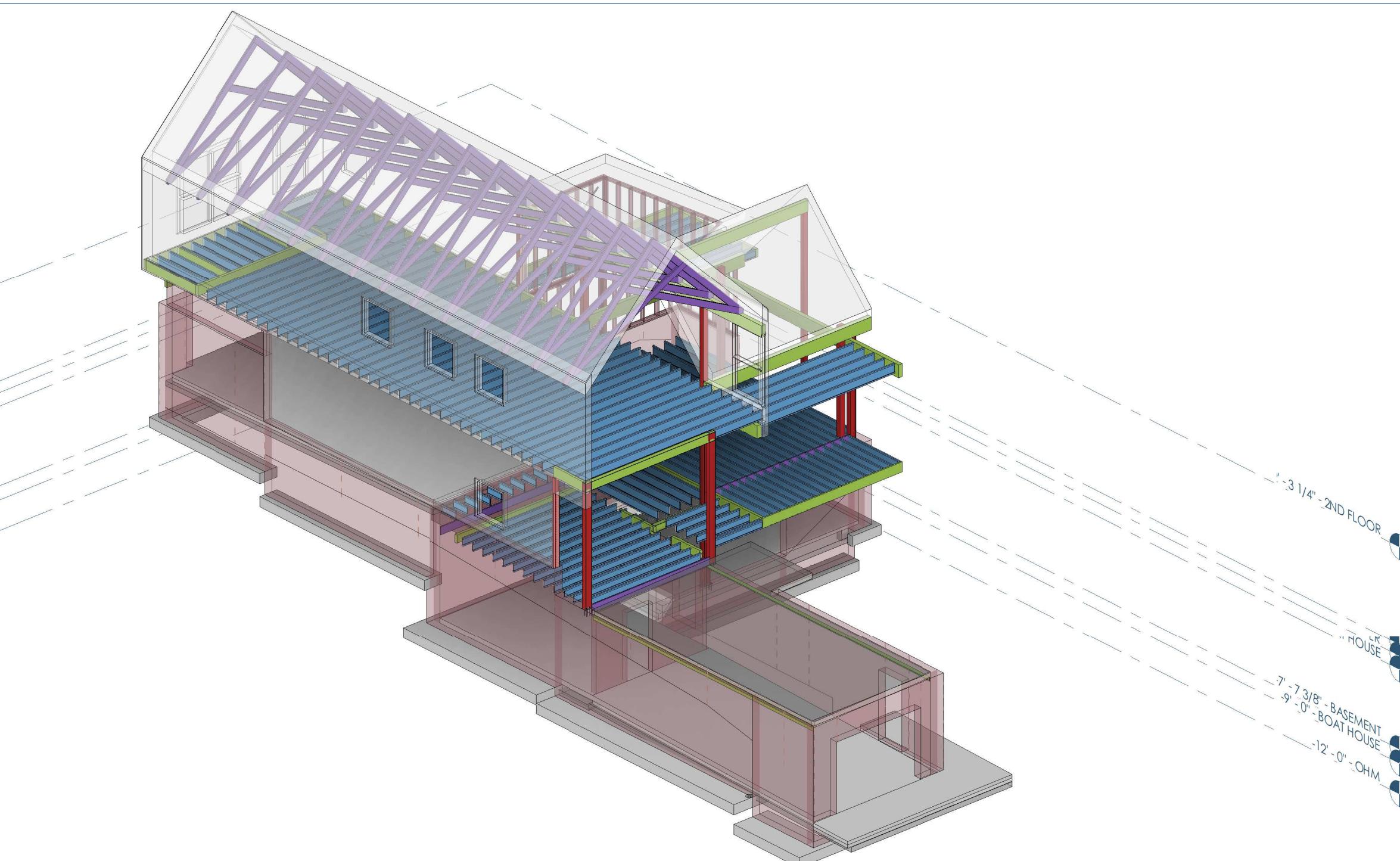


5 4 3 2 1

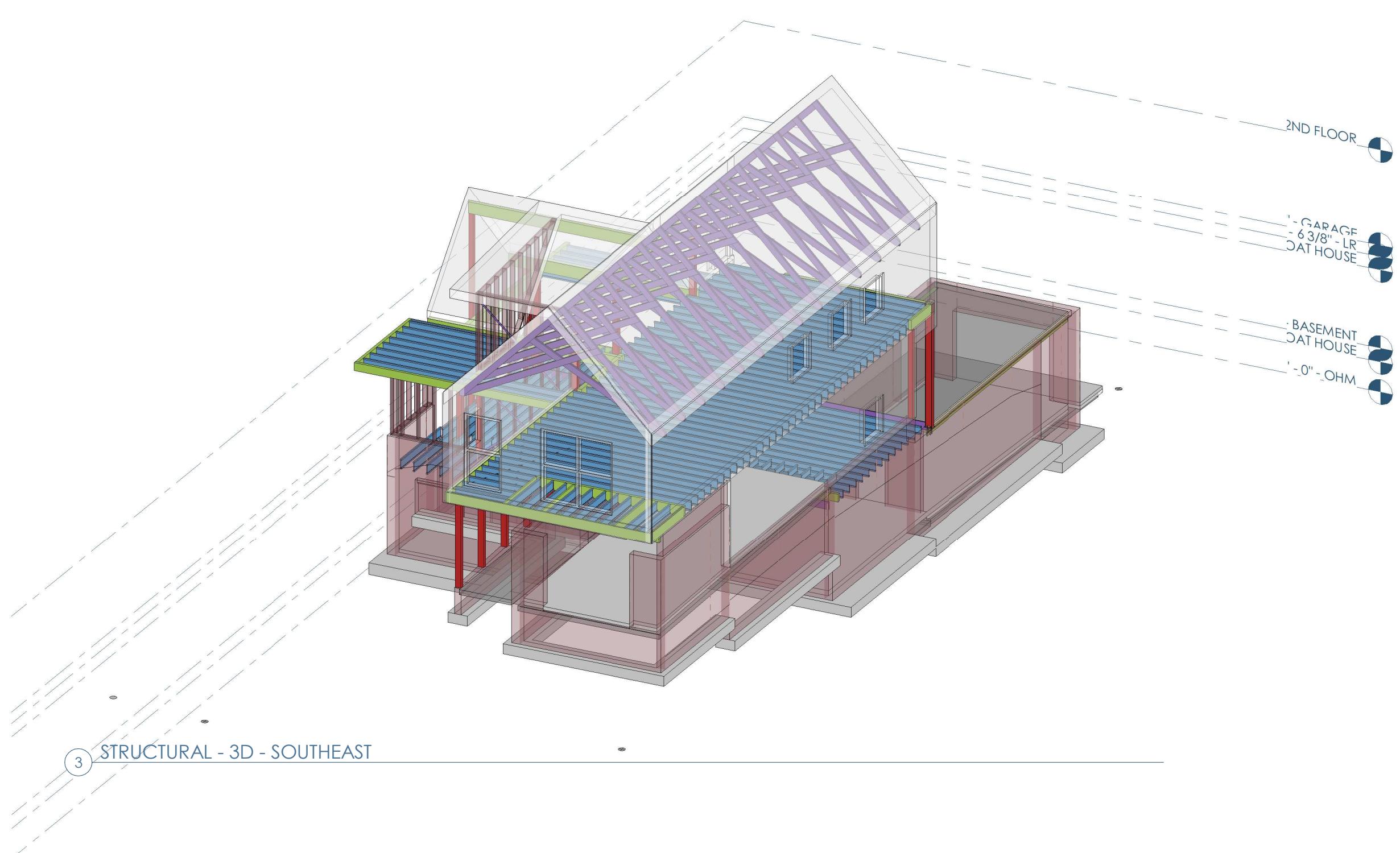
C



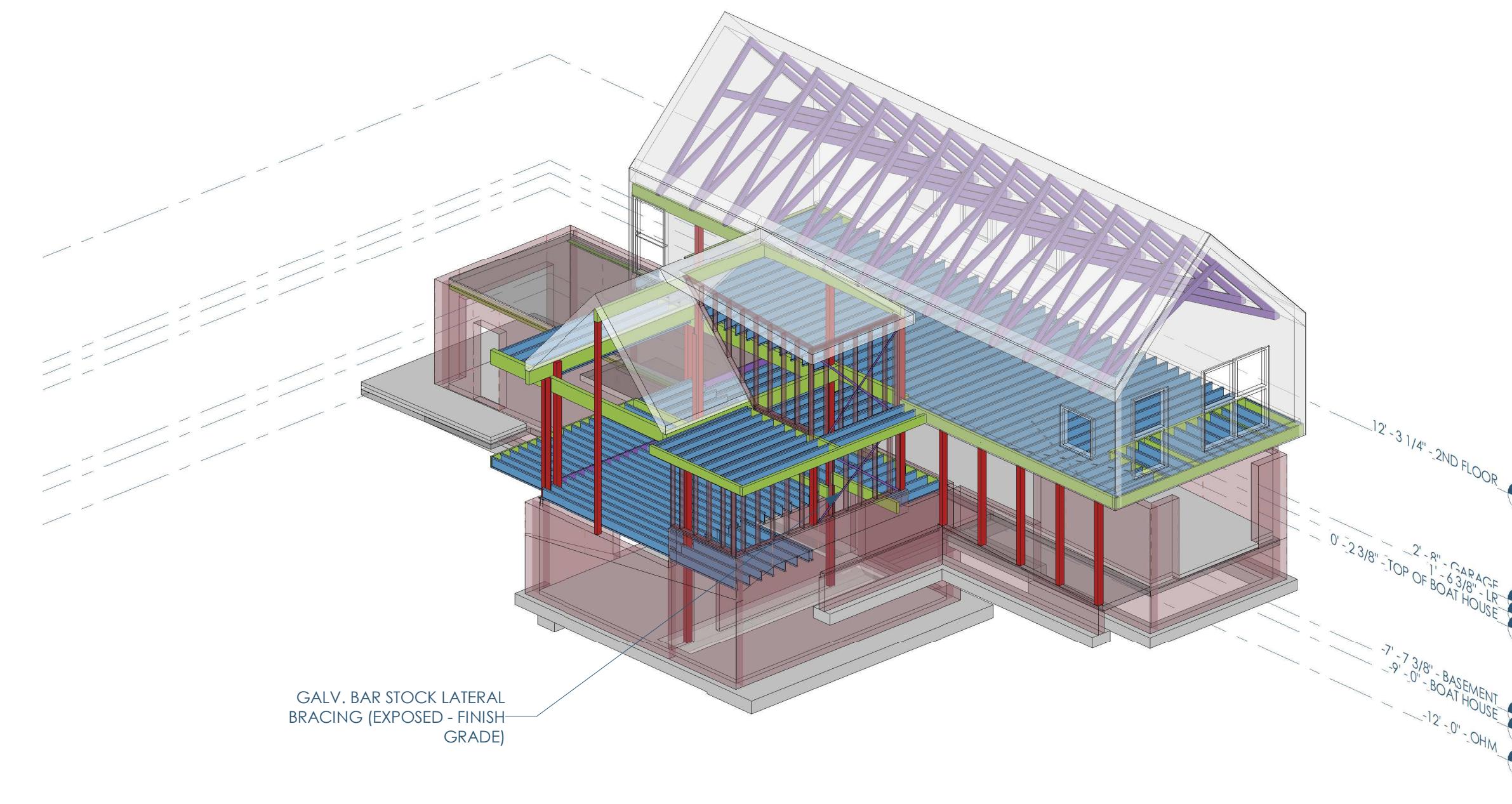
① STRUCTURAL - 3D - NORTHWEST



② STRUCTURAL - 3D - NORTHEAST



③ STRUCTURAL - 3D - SOUTHEAST



④ STRUCTURAL - 3D - SOUTHWEST



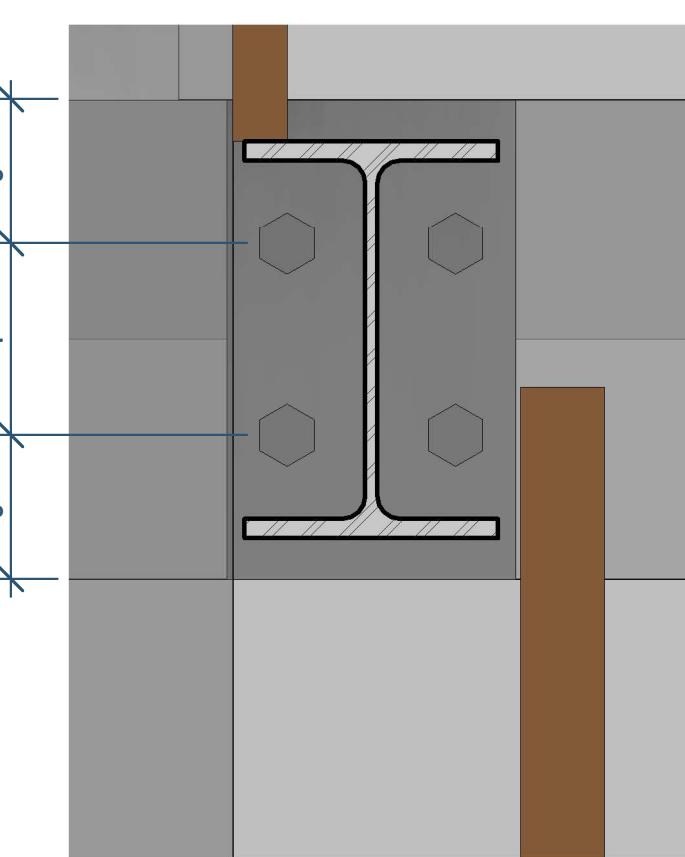
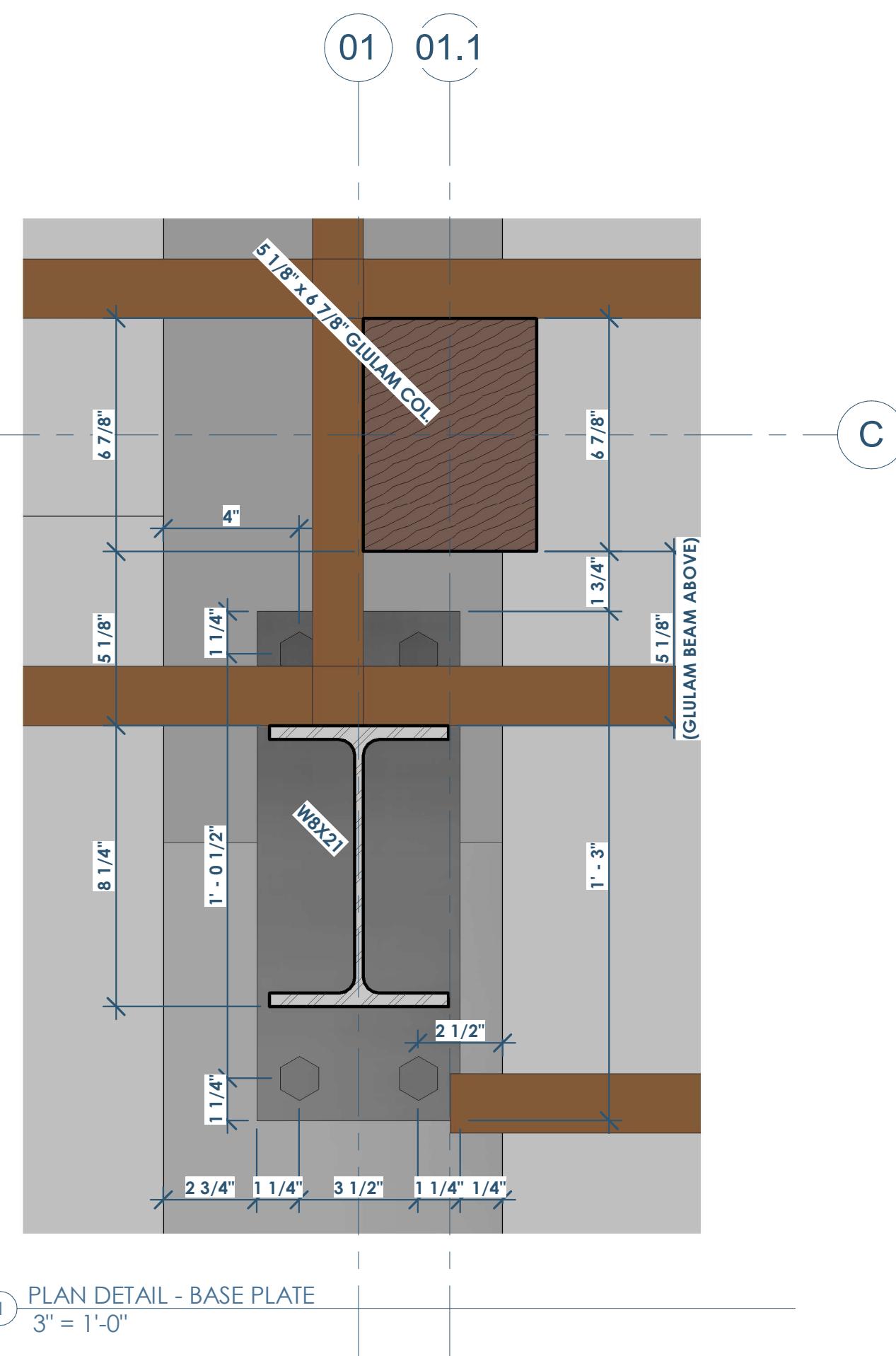
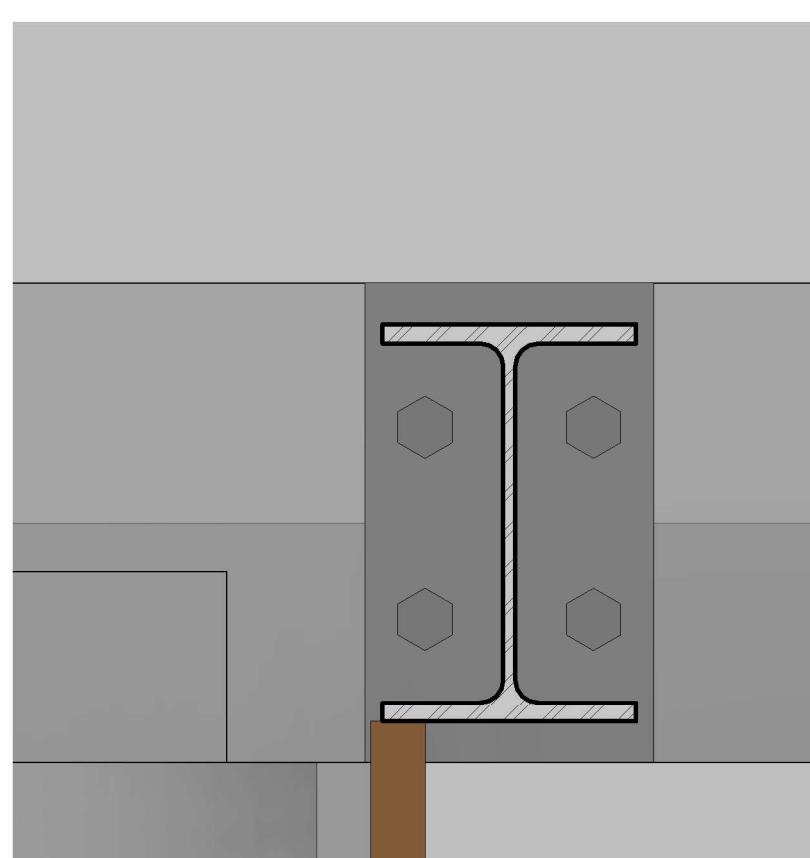
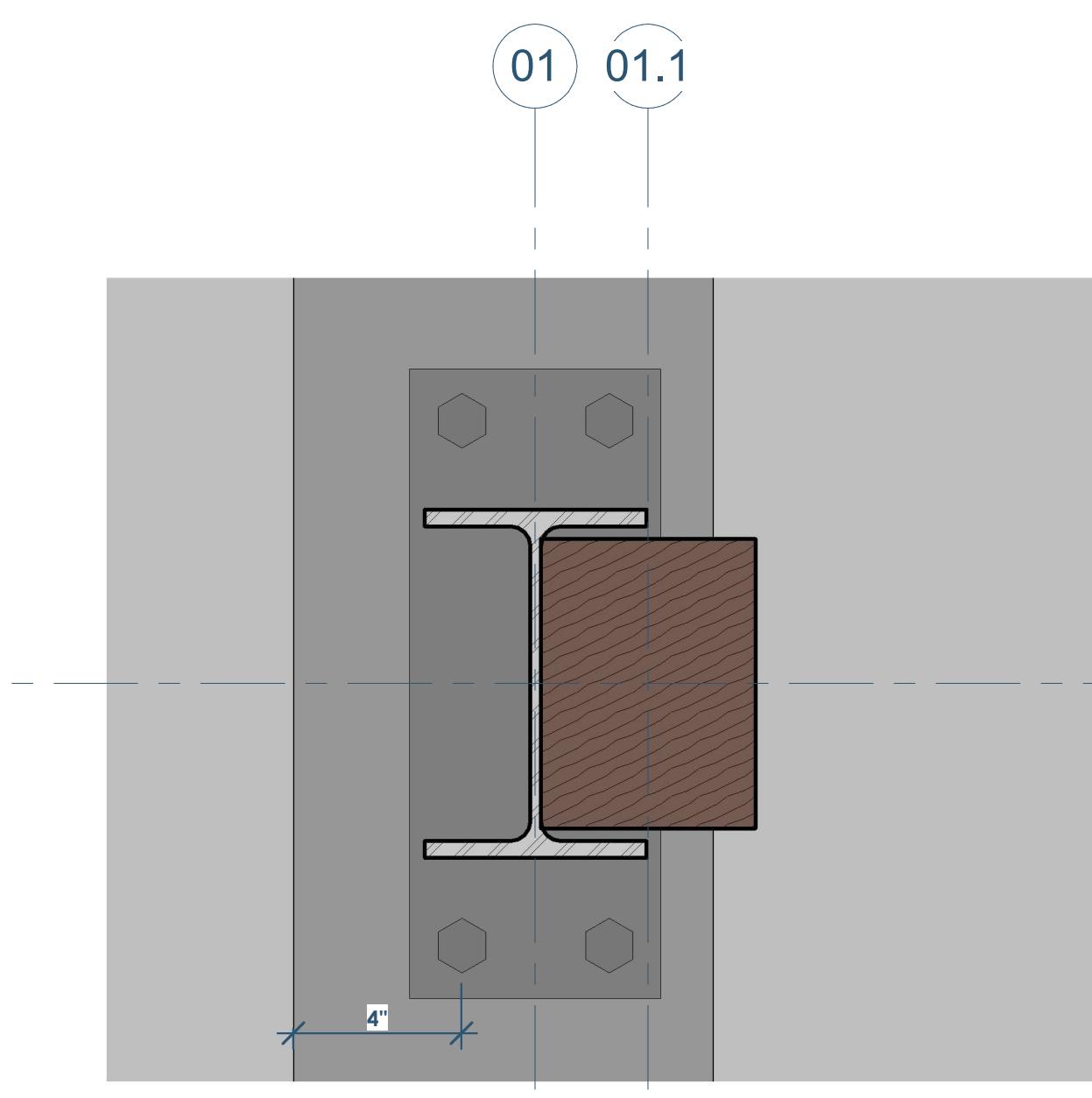
Architect: OpeningDesign

316 W Washington Ave | Suite 675  
Madison, WI 53703

ryan@openingdesign.com | 773.425.6456  
openingdesign.com

AALSETH RESIDENCE - 03/18/2019  
3196 AALSETH LN - STOUGHTON, WI 53589  
FRAMING - 3D

S150



AALSETH RESIDENCE - 03/18/2019  
3196 AALSETH LN - STOUGHTON, WI 53589  
DETAILS

S500



Architect: OpeningDesign  
316 W Washington Ave | Suite 675  
Madison, WI 53703  
ryan@openingdesign.com | 773.425.6456  
openingdesign.com

STRUCTURAL - COLUMN SCHEDULE			
TYPE	MATERIAL/FINISH	G.I. LOCATION	LENGTH
(3) 2X6s	SISTERED 2X COLUMN	B(20' - 6 3/4")-01(3' - 3 1/2")	8' - 9 5/8"
(3) 2X6s	SISTERED 2X COLUMN	C(-2' - 8 3/4")-02	19' - 3"
(3) 2X6s - FINISH GRADE (NO. 1 - SELECT) FINISH GRADE (PAINTED)	(NO. 1 - SELECT) FINISH GRADE (PAINTED)	C(6' - 2')-04	7' - 3"
5 1/8" x 6 7/8" G.L. COL (TREATED)	PRESSURE TREATED GLULAM (24F-1.8E) COLUMNS - FINISHED (4) SIDES - STAIN T.B.D.	B-05	8' - 7 1/16"
5 1/8" x 6 7/8" G.L. COL (TREATED)	PRESSURE TREATED GLULAM (24F-1.8E) COLUMNS - FINISHED (4) SIDES - STAIN T.B.D.	B-06	8' - 9 7/16"
5 1/8" x 6 7/8" G.L. COL (TREATED)	PRESSURE TREATED GLULAM (24F-1.8E) COLUMNS - FINISHED (4) SIDES - STAIN T.B.D.	B-07	8' - 11 3/4"
5 1/8" x 6 7/8" G.L. COL (TREATED)	PRESSURE TREATED GLULAM (24F-1.8E) COLUMNS - FINISHED (4) SIDES - STAIN T.B.D.	B-08	9' - 2 1/16"
5 1/8" x 6 7/8" G.L. COL (TREATED)	PRESSURE TREATED GLULAM (24F-1.8E) COLUMNS - FINISHED (4) SIDES - STAIN T.B.D.	B-09	9' - 4 3/8"
5 1/8" x 6 7/8" GLULAM COL.	GLULAM (24F-1.8E) COLUMNS - FINISHED (4) SIDES - STAIN T.B.D.	B-01.1	9' - 1"
5 1/8" x 6 7/8" GLULAM COL.	GLULAM (24F-1.8E) COLUMNS - FINISHED (4) SIDES - STAIN T.B.D.	B-01.1	18' - 1 5/8"
5 1/8" x 6 7/8" GLULAM COL.	GLULAM (24F-1.8E) COLUMNS - FINISHED (4) SIDES - STAIN T.B.D.	B-03	9' - 1"
5 1/8" x 6 7/8" GLULAM COL.	GLULAM (24F-1.8E) COLUMNS - FINISHED (4) SIDES - STAIN T.B.D.	B-03	18' - 1 5/8"
5 1/8" x 6 7/8" GLULAM COL.	GLULAM (24F-1.8E) COLUMNS - FINISHED (4) SIDES - STAIN T.B.D.	B-04	15' - 7 5/8"
5 1/8" x 6 7/8" GLULAM COL.	GLULAM (24F-1.8E) COLUMNS - FINISHED (4) SIDES - STAIN T.B.D.	C-01.1	12' - 0"
5 1/8" x 6 7/8" GLULAM COL.	GLULAM (24F-1.8E) COLUMNS - FINISHED (4) SIDES - STAIN T.B.D.	C-03	19' - 8 7/8"
W8X21	PRIMED STEEL	B(5' - 11")-01(7' - 3 7/8")	12' - 11 7/8"
W8X21	PRIMED STEEL	B(20' - 5")-01(7' - 3 7/8")	12' - 4 1/2"
W8X21	PRIMED STEEL	B-01	17' - 3 5/8"
W8X21	PRIMED STEEL	C(-1' - 0 11/16")-01	10' - 8 7/8"
Grand total: 19		235' - 4 15/16"	

STRUCTURAL - BEAMS						
Structural Usage	TYPE	MATERIAL/FINISH	LENGTH	Type Mark	Elevation at Bottom	Elevation at Top
Girder	(2)-1 3/4" x 9 1/2" LVL	Ivl	20' - 7 9/16"		11' - 2 5/8"	12' - 0 1/8"
Girder	(2)-1 3/4" x 9 1/2" LVL	Ivl	10' - 10 13/16"		11' - 2 5/8"	12' - 0 1/8"
Girder	(2)-1 3/4" x 9 1/2" LVL	Ivl	3' - 8"		-0' - 7 7/8"	0' - 1 5/8"
Girder	(2)-1 3/4" x 9 1/2" LVL	Ivl	14' - 6"		-0' - 7 7/8"	0' - 1 5/8"
Girder	(2)-1 3/4" x 9 1/2" LVL	Ivl	4' - 6 3/4"		-0' - 7 7/8"	0' - 1 5/8"
Girder	(2)-1 3/4" x 9 1/2" LVL	Ivl	11' - 1 1/4"		11' - 2 5/8"	12' - 0 1/8"
(2)-1 3/4" x 9 1/2" LVL: 6			65' - 4 3/8"			
Girder	(2)-1 3/4" x 11 7/8" LVL	Ivl	7' - 11 3/16"		1' - 8 1/8"	2' - 8"
Girder	(2)-1 3/4" x 11 7/8" LVL	Ivl	25' - 10"		11' - 2 5/8"	12' - 2 1/2"
Girder	(2)-1 3/4" x 11 7/8" LVL	Ivl	15' - 1 3/4"		11' - 2 5/8"	12' - 2 1/2"
Girder	(2)-1 3/4" x 11 7/8" LVL	Ivl	23' - 1 5/8"		0' - 5 3/4"	1' - 5 5/8"
Girder	(2)-1 3/4" x 11 7/8" LVL	Ivl	4' - 2 1/2"		11' - 2 5/8"	12' - 2 1/2"
Girder	(2)-1 3/4" x 11 7/8" LVL	Ivl	14' - 8 1/4"		10' - 2 3/4"	11' - 2 5/8"
Girder	(2)-1 3/4" x 11 7/8" LVL	Ivl	5' - 2 9/16"		0' - 6 1/2"	1' - 6 3/8"
(2)-1 3/4" x 11 7/8" LVL: 7			96' - 1 7/8"			
Girder	1 3/4"x11 7/8" LVL	Ivl	6' - 7 15/16"		11' - 2 5/8"	12' - 2 1/2"
Girder	1 3/4"x11 7/8" LVL	Ivl	20' - 11 3/16"		11' - 2 5/8"	12' - 2 1/2"
Girder	1 3/4"x11 7/8" LVL	Ivl	6' - 7 15/16"		11' - 2 5/8"	12' - 2 1/2"
Girder	1 3/4"x11 7/8" LVL	Ivl	6' - 7 15/16"		11' - 2 5/8"	12' - 2 1/2"
Girder	1 3/4"x11 7/8" LVL	Ivl	6' - 7 15/16"		11' - 2 5/8"	12' - 2 1/2"
Girder	1 3/4"x11 7/8" LVL	Ivl	6' - 7 15/16"		11' - 2 5/8"	12' - 2 1/2"
1 3/4"x11 7/8" LVL: 7			72' - 2"			
Girder	GLULAM - 5.125 in. x 13.5 in.	GLULAM (24F-1.8E) BEAMS - ARCHITECTURAL FINISH - STAIN T.B.D.	32' - 2 1/8"	GL-2	19' - 7 1/4"	20' - 8 3/4"
Girder	GLULAM - 5.125 in. x 13.5 in.	GLULAM (24F-1.8E) BEAMS - ARCHITECTURAL FINISH - STAIN T.B.D.	18' - 9 1/8"	GL-2	19' - 7 1/4"	20' - 8 3/4"
GLULAM - 5.125 in. x 13.5 in.: 2			50' - 11 1/4"			
Girder	GLULAM - 5.125 in. x 15 in.	GLULAM (24F-1.8E) BEAMS - ARCHITECTURAL FINISH - STAIN T.B.D.	25' - 3 1/2"	GL-1	9' - 10"	11' - 1 1/8"
Girder	GLULAM - 5.125 in. x 15 in.	GLULAM (24F-1.8E) BEAMS - ARCHITECTURAL FINISH - STAIN T.B.D.	23' - 8 9/16"	GL-1	9' - 10"	11' - 1 1/8"
Girder	GLULAM - 5.125 in. x 15 in.	GLULAM (24F-1.8E) BEAMS - ARCHITECTURAL FINISH - STAIN T.B.D.	8' - 10 11/16"	GL-1	11' - 1 1/8"	12' - 4 1/4"
Girder	GLULAM - 5.125 in. x 15 in.	GLULAM (24F-1.8E) BEAMS - ARCHITECTURAL FINISH - STAIN T.B.D.	19' - 8 9/16"	GL-1	11' - 1 1/8"	12' - 4 1/4"
Girder	GLULAM - 5.125 in. x 15 in.	GLULAM (24F-1.8E) BEAMS - ARCHITECTURAL FINISH - STAIN T.B.D.	19' - 3 7/16"	GL-1	11' - 1 1/8"	12' - 4 1/4"
GLULAM - 5.125 in. x 15 in.: 5			96' - 10 3/4"			
Girder	L5X5X1/2	PRIMED STEEL	28' - 11 3/8"		-1' - 3 3/4"	-0' - 10 3/4"
Girder	L5X5X1/2	PRIMED STEEL	28' - 11 3/8"		-1' - 0 5/16"	-0' - 7 5/16"
L5X5X1/2: 2			57' - 10 3/4"			
Girder	W8X18	PRIMED STEEL	9' - 0 7/8"		-0' - 3 7/8"	0' - 4 1/4"
Girder	W8X18	PRIMED STEEL	5' - 9 7/8"		-0' - 3 7/8"	0' - 4 1/4"
W8X18: 2			14' - 10 3/4"			
Girder	W10X22 (MOMENT FRAME)	PRIMED STEEL	15' - 2 1/4"		11' - 4 5/16"	12' - 2 1/2"
W10X22 (MOMENT FRAME): 1			15' - 2 1/4"			
Grand total: 32			469' - 6"			

5

4

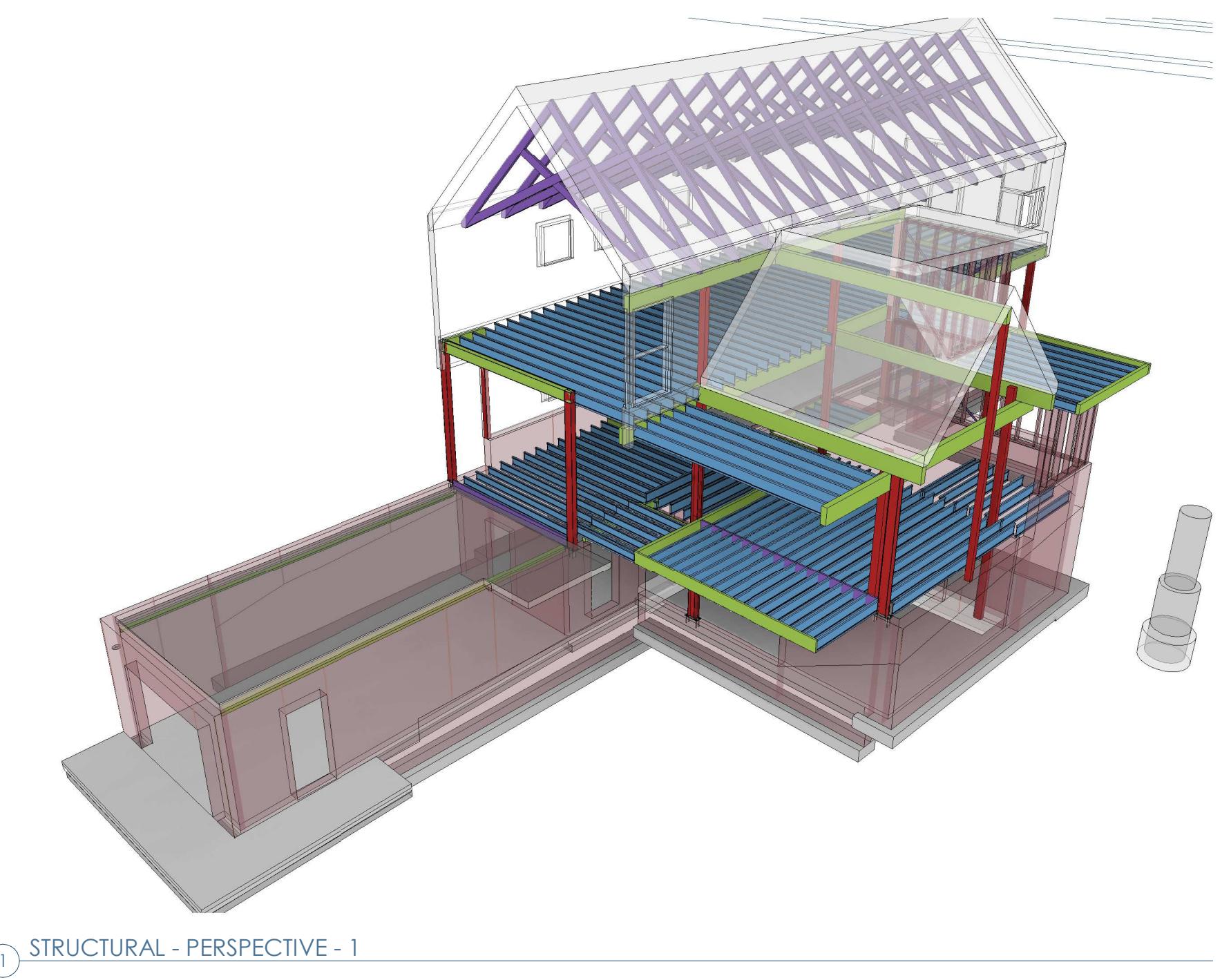
3

2

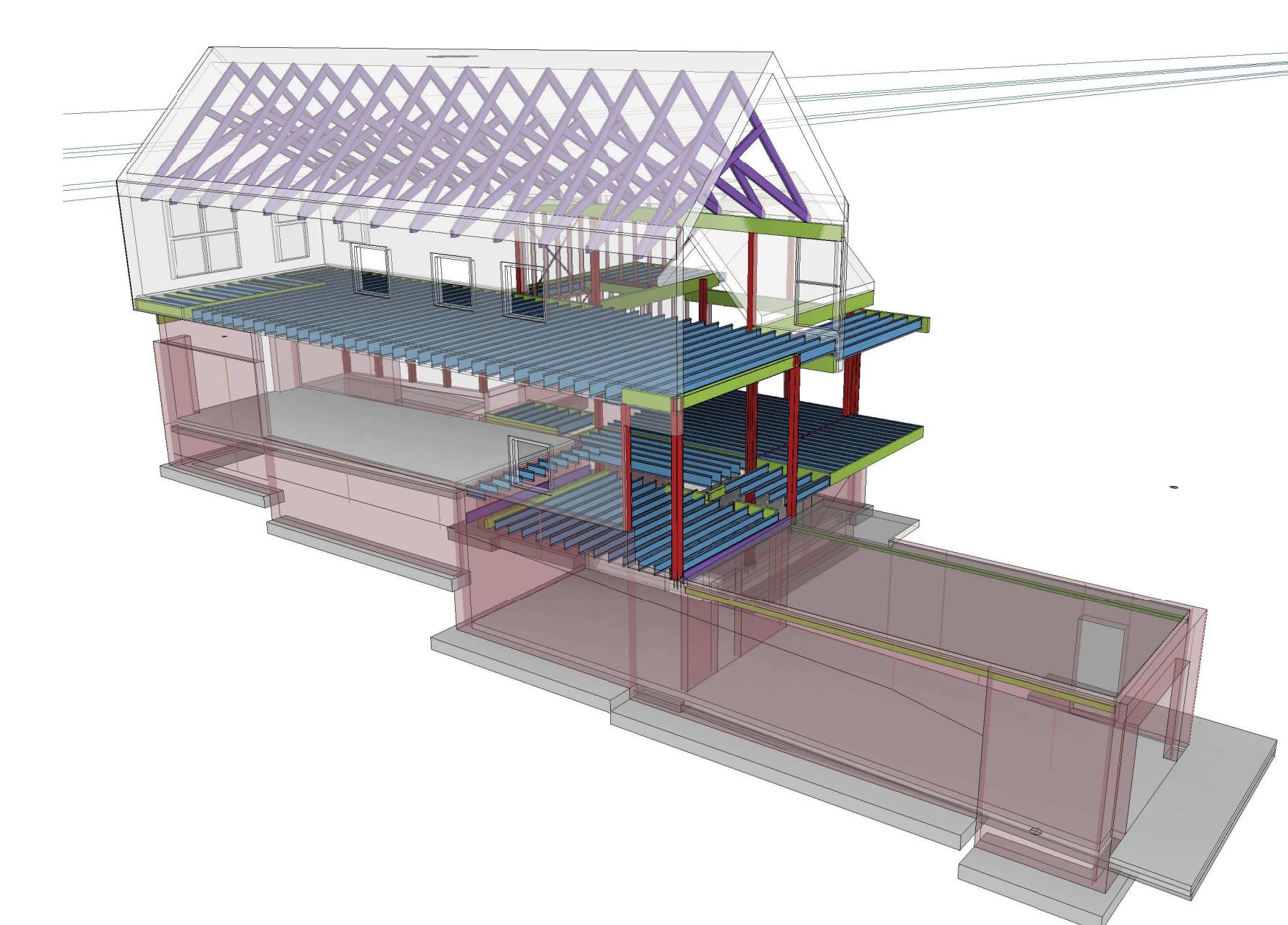
1

C

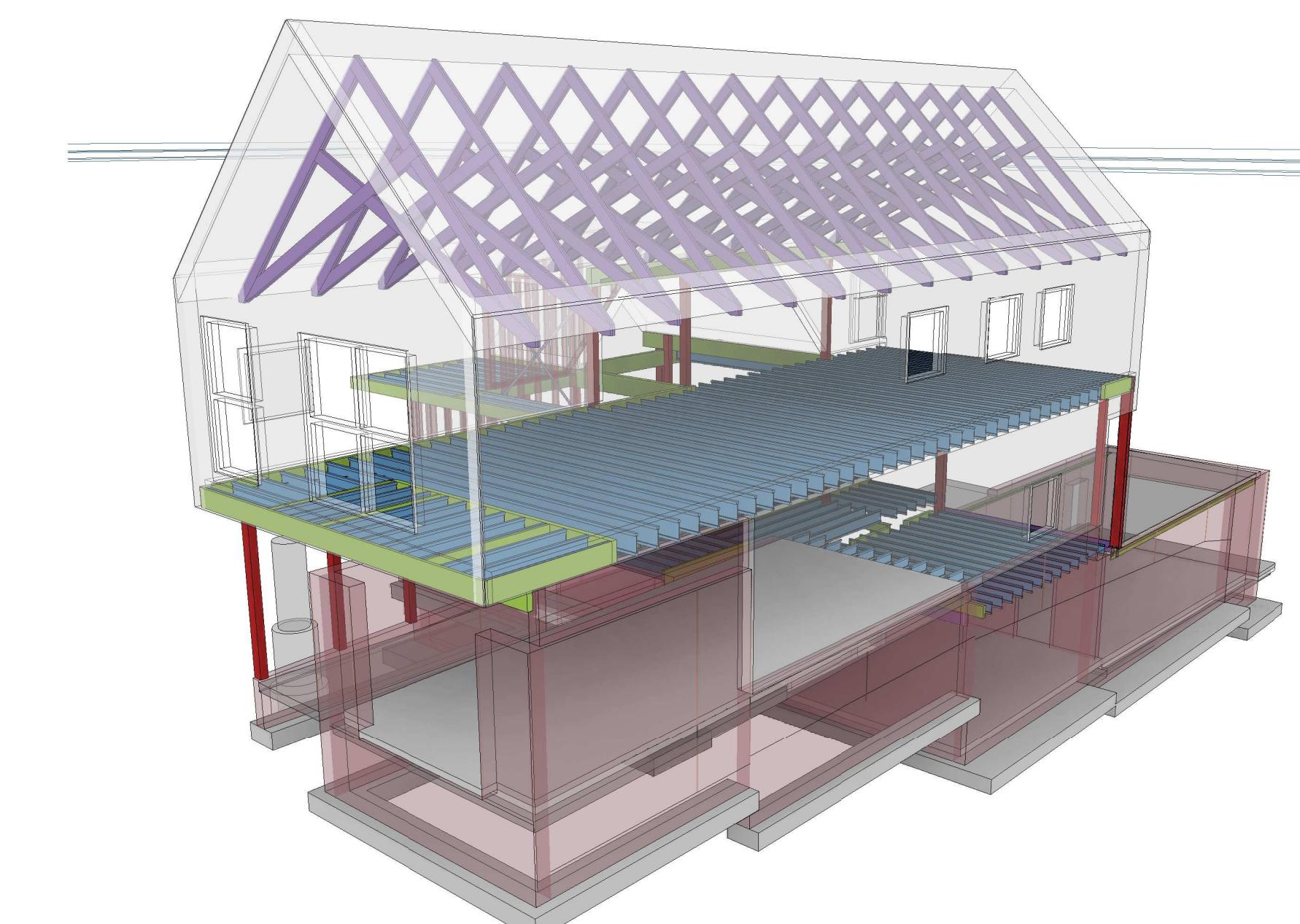
C



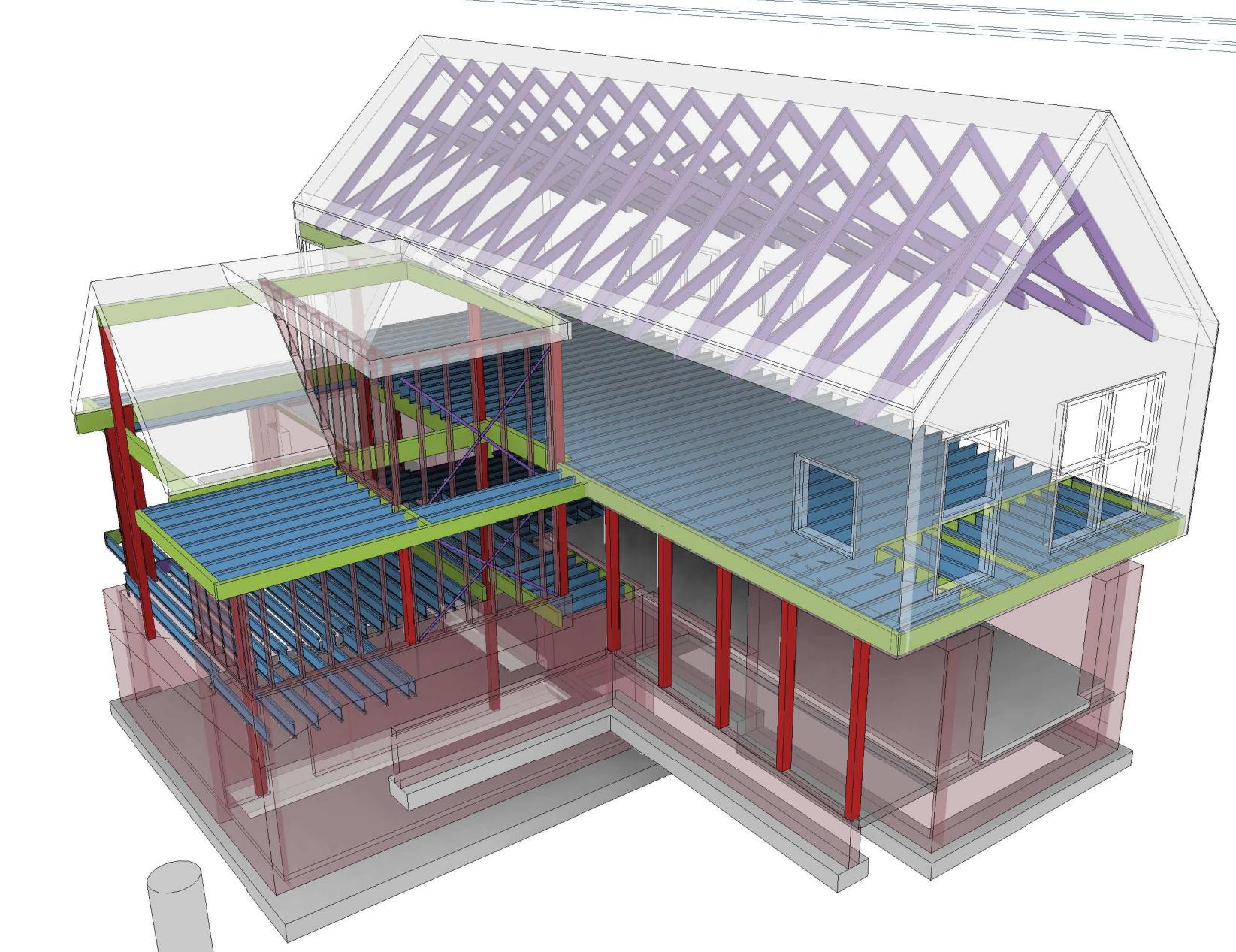
① STRUCTURAL - PERSPECTIVE - 1



② STRUCTURAL - PERSPECTIVE - 2



③ STRUCTURAL - PERSPECTIVE - 3



④ STRUCTURAL - PERSPECTIVE - 4



Architect: OpeningDesign  
316 W Washington Ave | Suite 675  
Madison, WI 53703  
ryan@openingdesign.com | 773.425.6456  
openingdesign.com

AALSETH RESIDENCE - 03/18/2019  
3196 AALSETH LN - STOUGHTON, WI 53589  
FRAMING PERSPECTIVES

S900