

Vectorworks 'BIM in Practice' Series

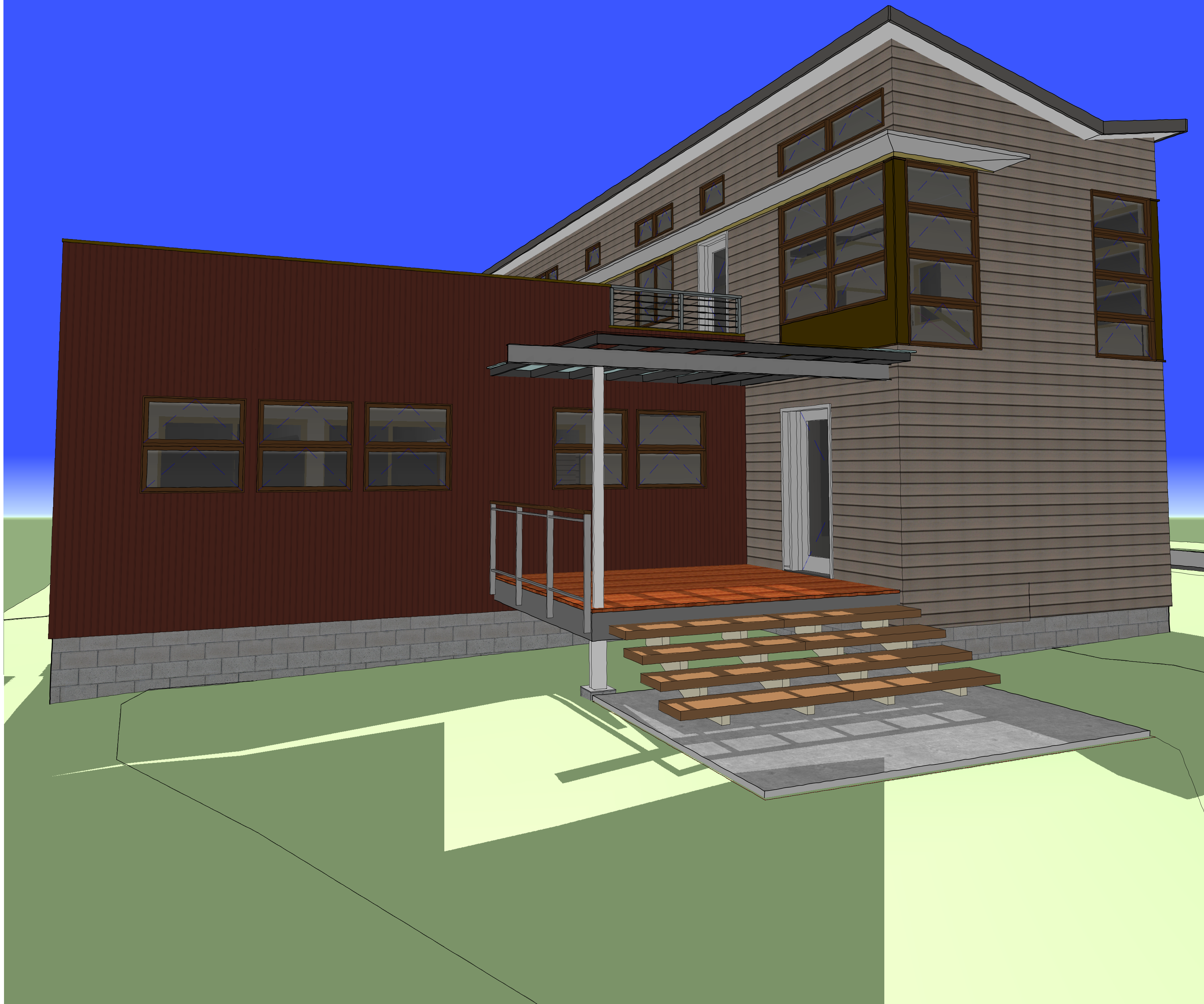
Building Information Modeling Demonstration Project #3

Vectorworks BIM Best Practices

Modern Home Prototype

Objectives:

1. Extensive use of Vectorworks plug-in objects for "virtual construction" of project
2. Extensive use of Database Worksheets for various schedule types
3. Sharing of model information via IFC
4. Explore alternative presentation views of model





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Vectorworks

Nemetschek North America

7150 Riverwood Drive

Columbia, MD 20777

T 410-290-5114

T 888-646-4223

F 410-290-8050

www.vectorworks.net

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2009

Realize Your Most Inspired Visions

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No.	Date	Issue Notes

Project Title

Modern Home Prototype

Project Location

Jessup, MD 20794

Project ID

NNA2008.04

File Name

ModernHomePrototype.vwx

Author

J Ouellette

Sheet Title

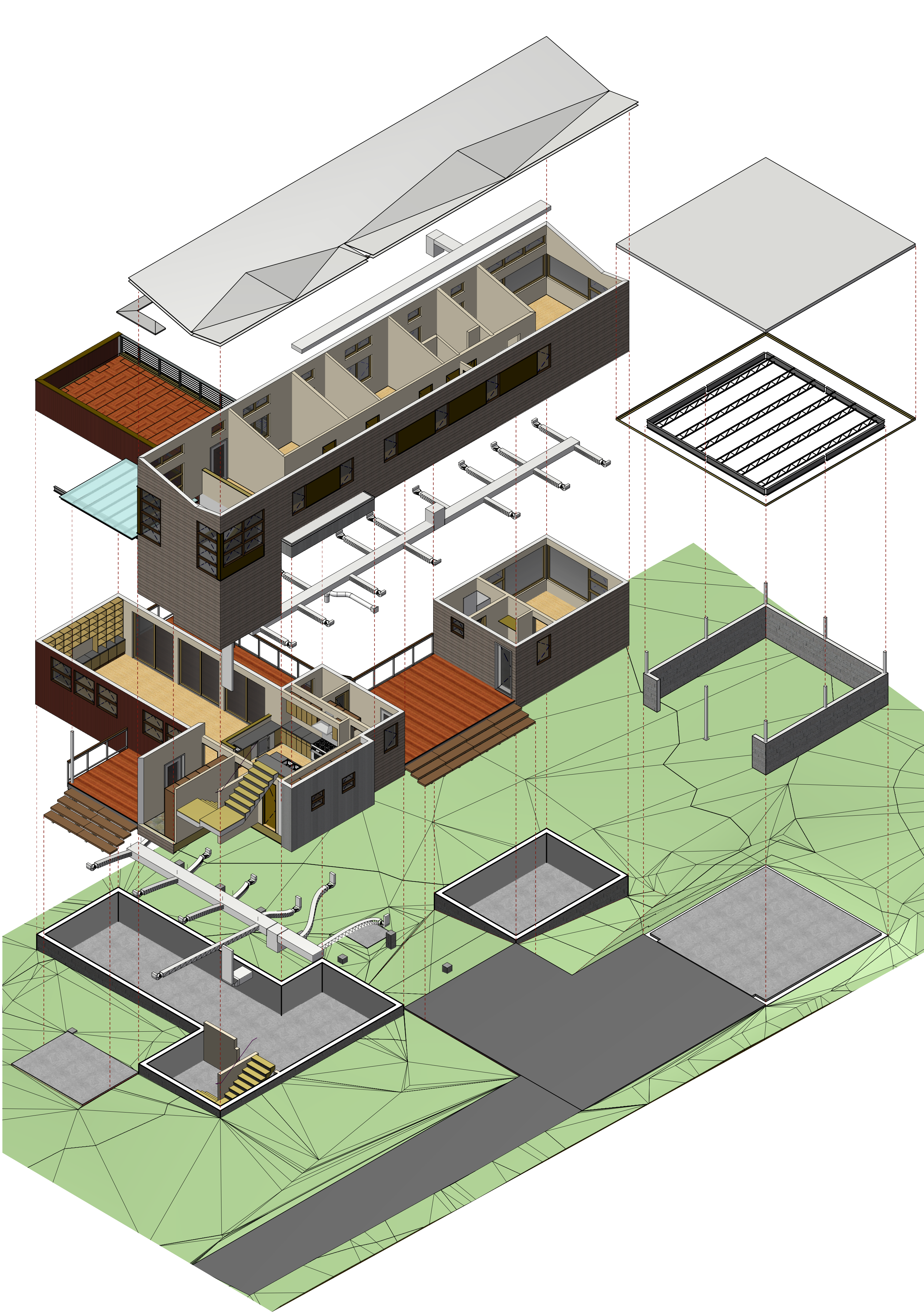
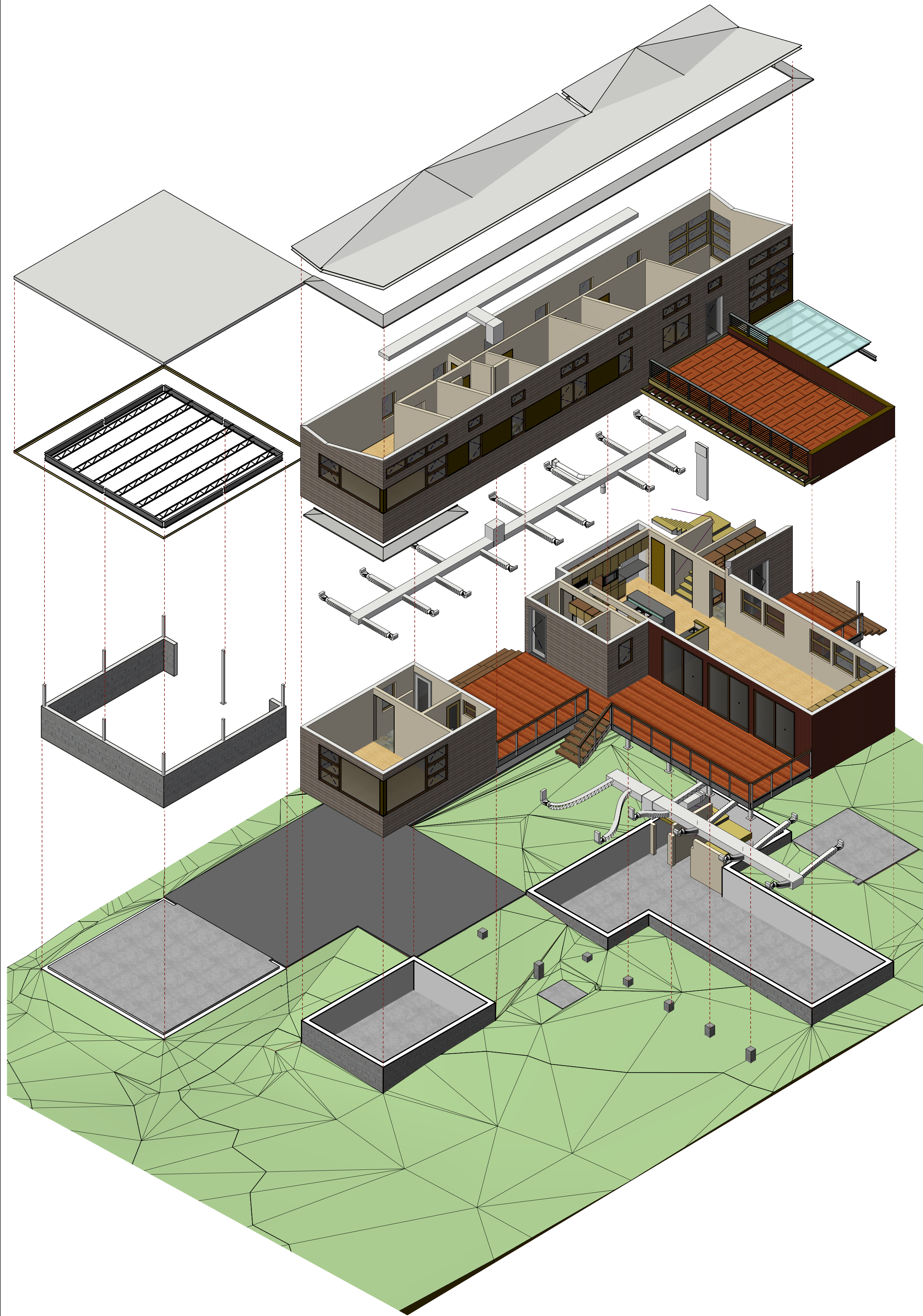
Rendered Partial Site Plan & Elevations

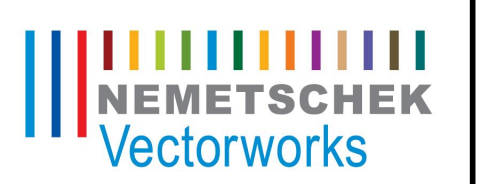
Sheet #

A1.1

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of 16





Nemetschek North America
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Columbia, MD 20777
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T 888-646-4223
F 410-290-8050
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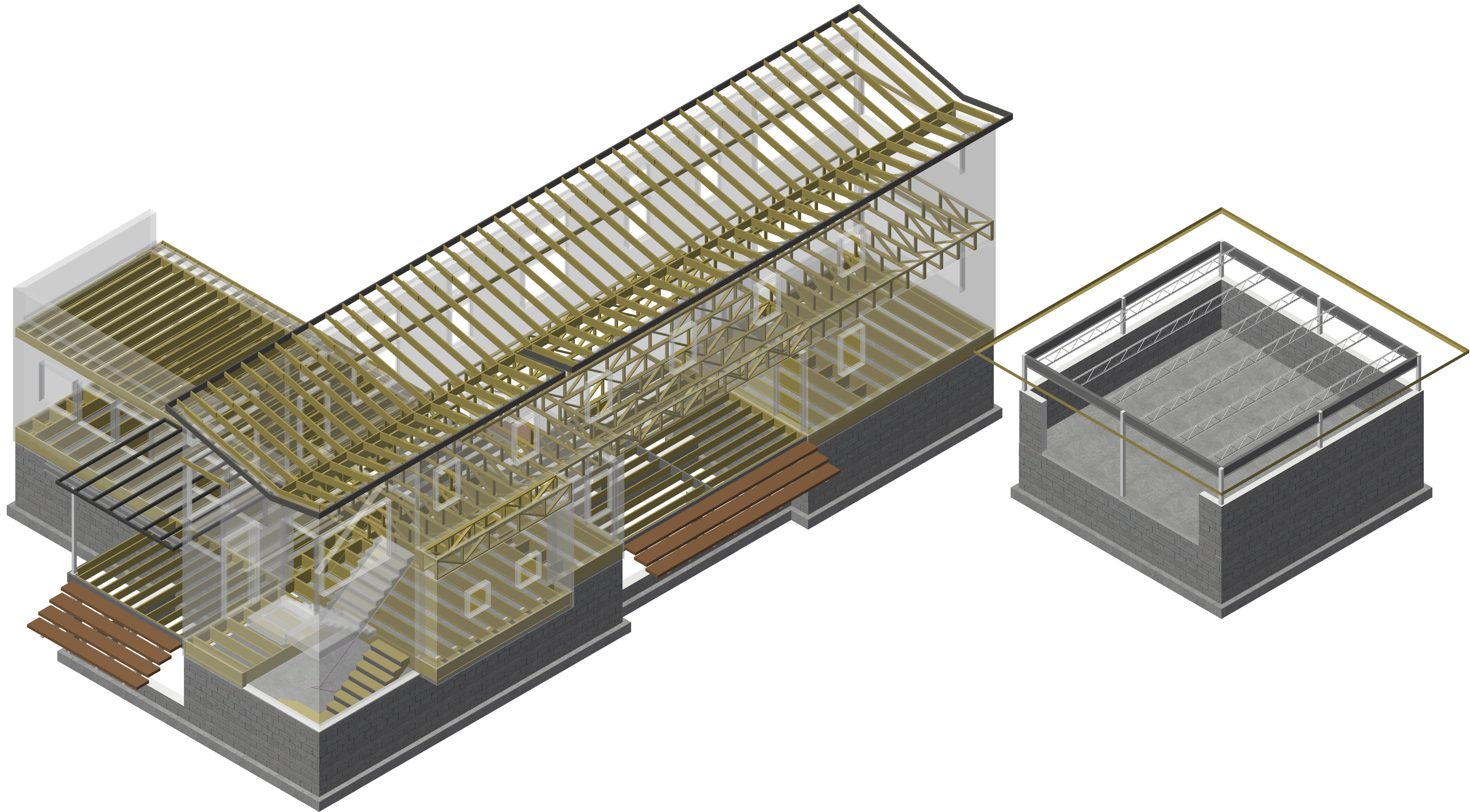
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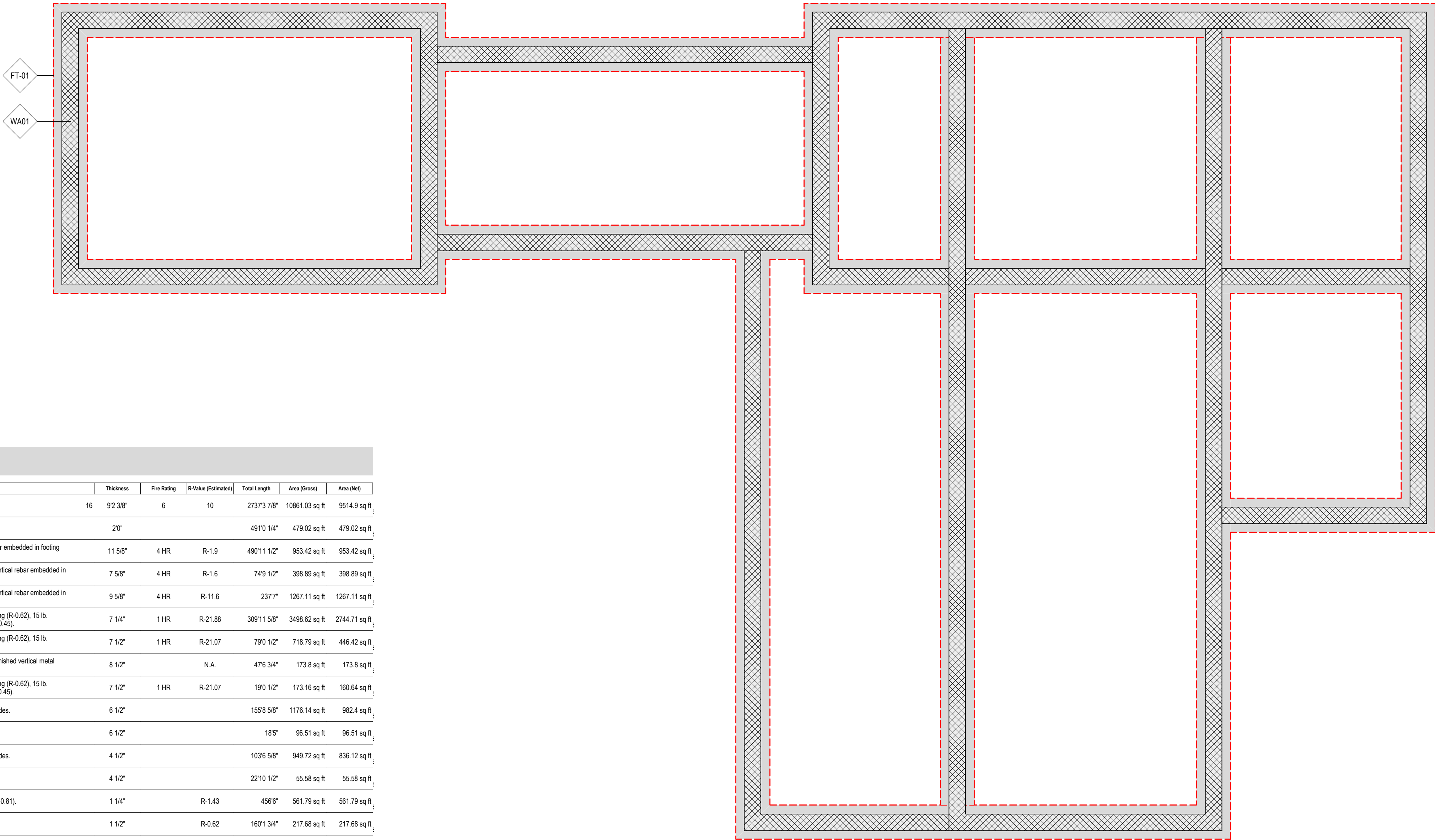
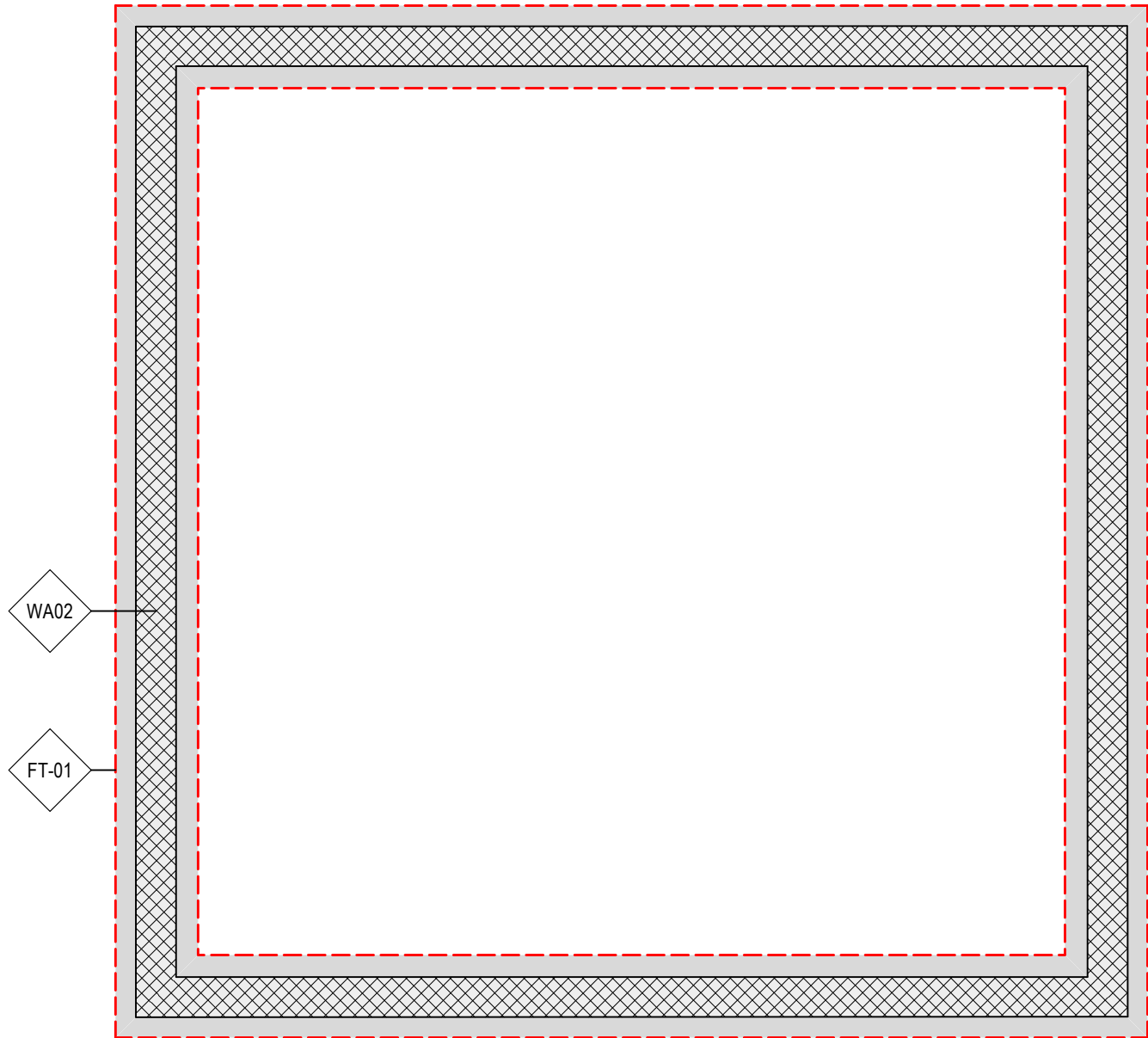
Author
J Ouellette

Sheet Title
Exploded Isometric View

Sheet #
A1.2

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Wall Schedule

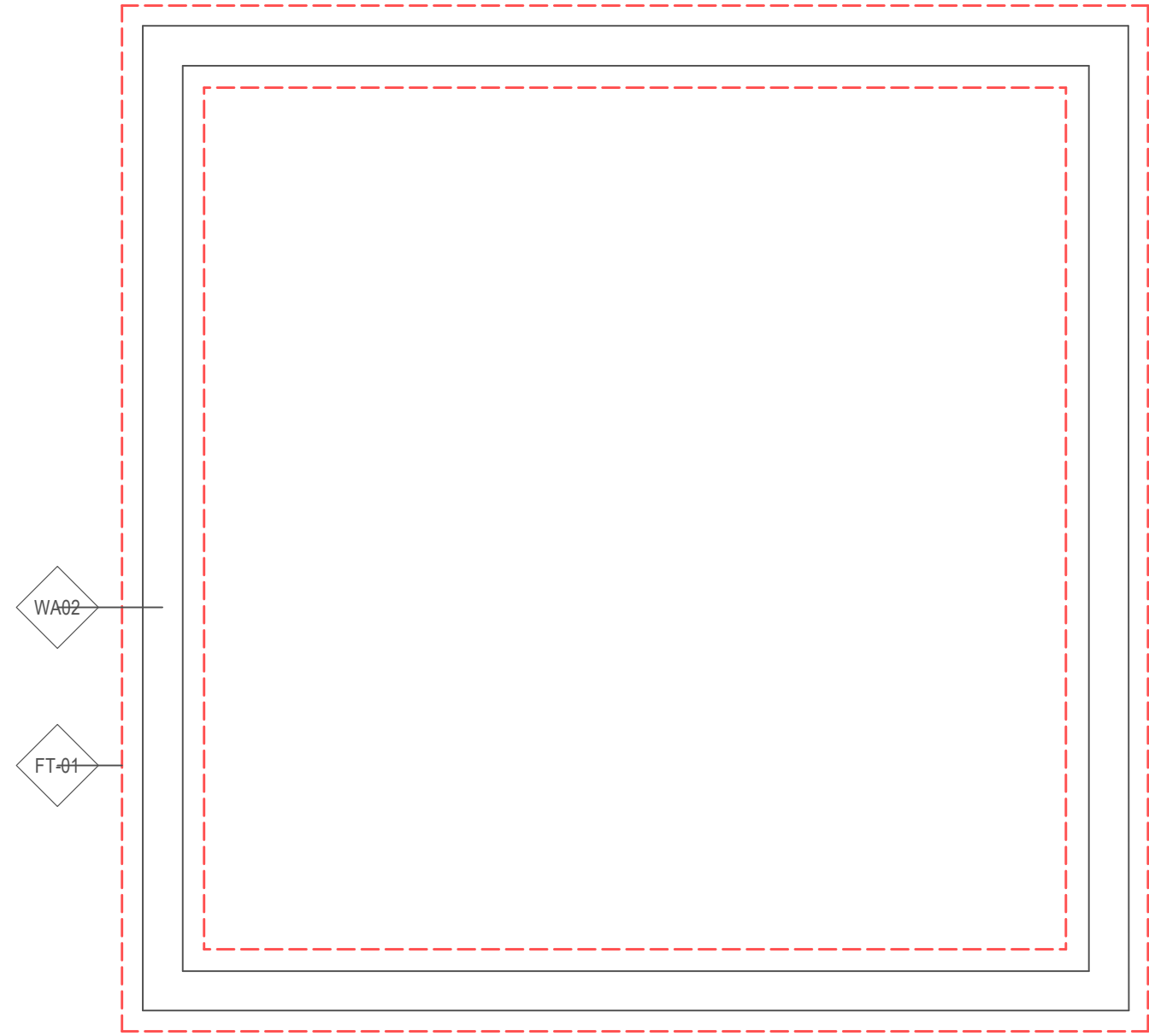
ID	Wall Name	Wall Description	Thickness	Fire Rating	R-Value (Estimated)	Total Length	Area (Gross)	Area (Net)
16	16	16	92 3/8"	6	10	27373 7/8"	10861.03 sq ft	9514.9 sq ft
FT-01	Cest Concrete Footing-24"x12"	24" wide x 12" high cast-in-place concrete footing with (4) #4 rebar continuous reinforcing, #3 stirrups at 24" O.C.	20"			4910 1/4"	479.02 sq ft	479.02 sq ft
WA01	12" CMU Foundation	12" CMU (115 pcf) wall w/ welded heavy-wire truss joint reinforcement @ 24" O.C. vertically. Provide Vertical rebar embedded in footing below @ every other core and fill all cores solid w/grout.	11 5/8"	4 HR	R-1.9	490'11 1/2"	953.42 sq ft	953.42 sq ft
WA02	8" CMU Foundation	8" CMU (115 pcf) wall (R-1.6) w/ welded heavy-wire truss joint reinforcement @ 24" O.C. vertically. Continuous vertical rebar embedded in footing below @ every other core and fill all cores solid w/grout.	7 5/8"	4 HR	R-1.6	74'9 1/2"	398.89 sq ft	398.89 sq ft
WA03	8" CMU Basement Wall	8" CMU (115 pcf) wall (R-1.6) w/ welded heavy-wire truss joint reinforcement @ 24" O.C. vertically. Continuous vertical rebar embedded in footing below @ every other core, fill all cores solid w/grout. 2" rigid insulation (R-10) on interior side.	9 5/8"	4 HR	R-11.6	237'7"	1267.11 sq ft	1267.11 sq ft
WA04	2x6 Exterior Wall w/ Wood Siding	Wood 2x6 studs @ 16" O.C. w/ 5 1/2" BioBased 501w spray foam insulation (R-20). 1/2" plywood exterior sheathing (R-0.62), 15 lb. building felt, fully-lapped and 1/2" thick beveled wood lap siding (R-0.81). 1/2" gypsum board interior sheathing (R-0.45).	7 1/4"	1 HR	R-21.88	309'11 5/8"	3498.62 sq ft	2744.71 sq ft
WA05	2x6 Exterior Wall w/ Prefinished Vertical Metal Siding	Wood 2x6 studs @ 16" O.C. w/ 5 1/2" BioBased 501w spray foam insulation (R-20). 1/2" plywood exterior sheathing (R-0.62), 15 lb. building felt, fully-lapped and prefinished vertical metal siding. 1/2" gypsum board interior sheathing (R-0.45).	7 1/2"	1 HR	R-21.07	79'0 1/2"	718.79 sq ft	446.42 sq ft
WA06	Partial Height 2x6 Exterior Wall w/ Prefinished Vertical Metal	Wood 2x6 studs @ 16" O.C. w/ 1/2" plywood exterior sheathing (R-0.62), 15 lb. building felt, fully-lapped and prefinished vertical metal siding, both sides.	8 1/2"		N.A.	47'6 3/4"	173.8 sq ft	173.8 sq ft
WA07	2x6 Exterior Wall w/Galvanized Vertical Corrugated Metal Siding	Wood 2x6 studs @ 16" O.C. w/ 5 1/2" BioBased 501w spray foam insulation (R-20). 1/2" plywood exterior sheathing (R-0.62), 15 lb. building felt, fully-lapped and galvanized vertical corrugated metal siding. 1/2" gypsum board interior sheathing (R-0.45).	7 1/2"	1 HR	R-21.07	19'0 1/2"	173.16 sq ft	160.64 sq ft
WA08	2x6 Interior Partition	Wood 2x6 studs @ 24" O.C. w/ fiberglass sound attenuation blanket, 1/2" gypsum board interior sheathing, both sides.	6 1/2"			155'8 5/8"	1176.14 sq ft	982.4 sq ft
WA09	Partial Height 2x6 Interior Partition	Wood 2x6 studs @ 24" O.C. w/ 1/2" gypsum board interior sheathing, both sides. 5/4 stain-grade wood cap trim.	6 1/2"			18'6"	96.51 sq ft	96.51 sq ft
WA10	2x4 Interior Partition	Wood 2x4 studs @ 24" O.C. w/ fiberglass sound attenuation blanket, 1/2" gypsum board interior sheathing, both sides.	4 1/2"			103'6 5/8"	949.72 sq ft	836.12 sq ft
WA11	Partial Height 2x4 Interior Partition	Wood 2x6 studs @ 24" O.C. w/ 1/2" gypsum board interior sheathing, both sides.	4 1/2"			22'10 1/2"	55.58 sq ft	55.58 sq ft
WA12	Wood Siding (Floor Edge)	1/2" plywood exterior sheathing (R-0.62), 15 lb. building felt, fully-lapped and 1/2" thick beveled wood lap siding (R-0.81).	1 1/4"		R-1.43	456'6"	561.79 sq ft	561.79 sq ft
WA13	Prefinished Vertical Metal Siding (Floor Edge)	1/2" plywood exterior sheathing (R-0.62), 15 lb. building felt, fully-lapped, and prefinished vertical metal siding.	1 1/2"		R-0.62	160'1 3/4"	217.68 sq ft	217.68 sq ft
WA14	Galvanized Vertical Corrugated Metal Siding (Floor Edge)	1/2" plywood exterior sheathing (R-0.62), 15 lb. building felt, fully-lapped, and galvanized vertical corrugated metal siding.	1 1/2"		R-0.62	40'1 3/4"	78.01 sq ft	78.01 sq ft
WA15	1/2" Gypsum Board Interior Sheathing	1/2" gypsum board interior sheathing	1/2"			30'0"	62.81 sq ft	62.81 sq ft

Foundation Schedule

ID	Wall Style	Height	Length	Gross Area	Net Area	Thickness	Volume
Footing Totals			0"	0 sq ft	0 sq ft		0.00Cu.Yd

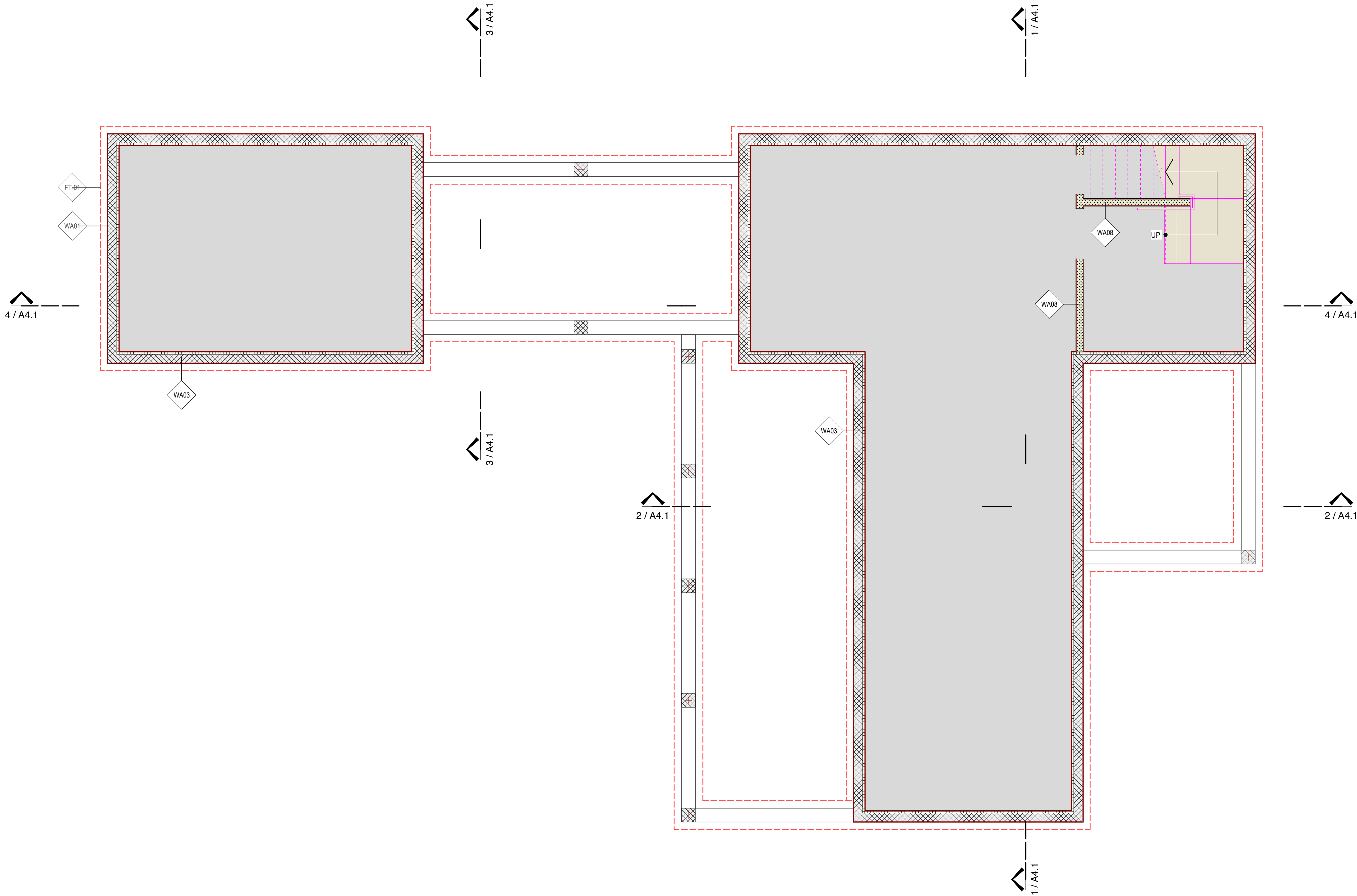
ID	Wall Style	Height	Length	Gross Area	# of CMUs		
WA01	12" CMU Foundation	1'4"	398'9 5/8"	523.33 sq ft	299		
CMU Wall Totals			398'9 5/8"	523.33 sq ft	299		

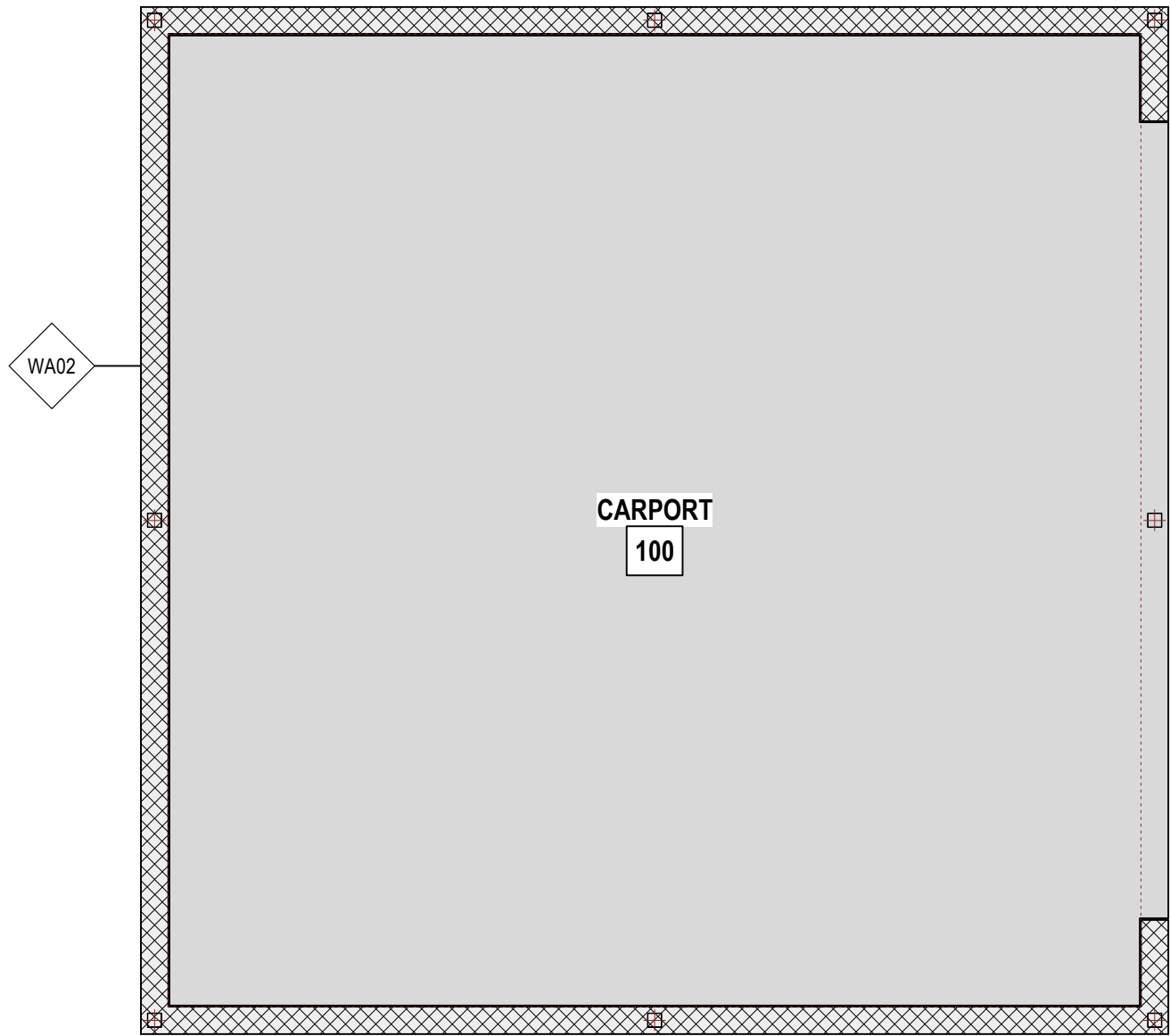
Mark	Wall Style Description	Wall Height	Wall Length	Stud Height	# of Studs	Stud Stock	Plate Stock
------	------------------------	-------------	-------------	-------------	------------	------------	-------------



Column Schedule

Foundation										Top Plate				Bottom Plate		
ID	Type	Description	Height	Width	Depth	Struct Size	Shape	Width	Depth	Thickness	Shape	Width	Depth	Thickness	Shape	Width
CP-01	12x12 CMU Pier	Split-faced, grey	4'0"	11 5/8"	11 5/8"	--	--	--	--	--	--	--	--	--	--	--
CP-02	12x12 CMU Pier	Split-faced, grey	4'0"	11 5/8"	11 5/8"	--	--	--	--	--	--	--	--	--	--	--
CP-03	12x12 CMU Pier	Split-faced, grey	4'0"	11 5/8"	11 5/8"	--	--	--	--	--	--	--	--	--	--	--
CP-04	12x12 CMU Pier	Split-faced, grey	4'0"	11 5/8"	11 5/8"	--	--	--	--	--	--	--	--	--	--	--
CP-05	12x12 CMU Pier	Split-faced, grey	4'0"	11 5/8"	11 5/8"	--	--	--	--	--	--	--	--	--	--	--
CP-06	12x12 CMU Pier	Split-faced, grey	5'4"	11 5/8"	11 5/8"	--	--	--	--	--	--	--	--	--	--	--
CP-07	12x12 CMU Pier	Split-faced, grey	5'4"	11 5/8"	11 5/8"	--	--	--	--	--	--	--	--	--	--	--
CP-08	12x12 CMU Pier	Split-faced, grey	4'0"	11 5/8"	11 5/8"	--	--	--	--	--	--	--	--	--	--	--





Plumbing Schedule - Main Level

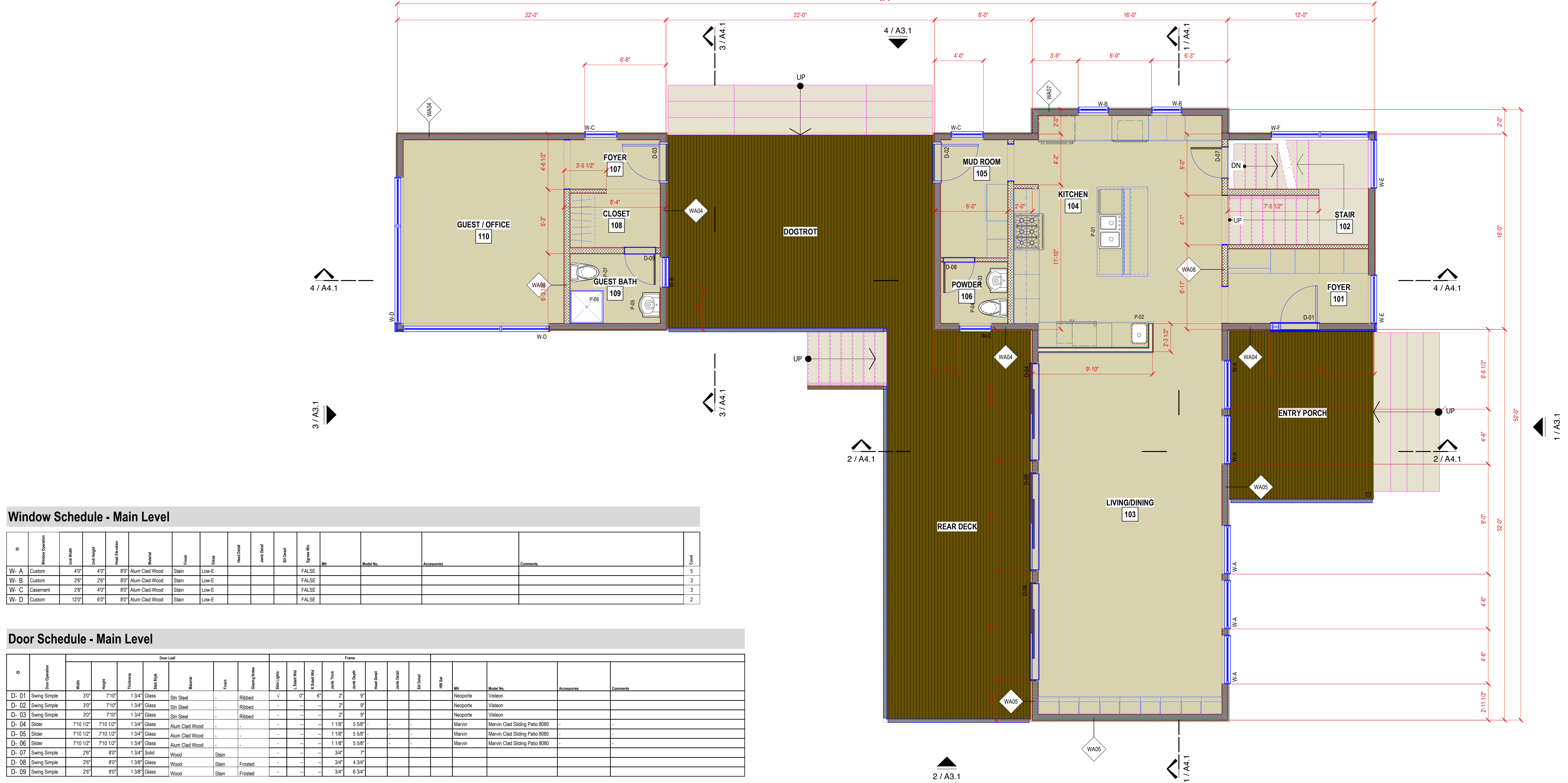
ID	Description	Manufacturer	Model	Material	Dimensions	Faucet / Valve	Drain size	Vent size	Hot Water Supply	Cold Water Supply
P-01	Clarity tile-in, double basin kitchen sink w/ four-hole faucet drilling	Kohler	K-05814-4	Enamaled cast iron			1 1/2"	1 1/2"	1/2"	1/2"
P-02	Bar sink	Kohler	K-03163	Stainless Steel	15"Wx18"Dx10"H		1 1/2"	1 1/2"	1/2"	1/2"
P-03	Devonshire 24" pedestal lavatory	Kohler		Vitreous china			1 1/2"	1 1/2"	1/2"	1/2"
P-04	Toilet	Kohler	K-03435				1 1/2"	1 1/2"	-	1/2"
P-05	Devonshire 24" pedestal lavatory	Kohler	K-02286-1	Vitreous China			1 1/2"	1 1/2"	1/2"	1/2"
P-06	Shower enclosure			Ceramic tile	32"Wx32"D		1 1/2"	1 1/2"	1/2"	1/2"
P-07	Toilet	Kohler	K-03435				1 1/2"	1 1/2"	-	1/2"

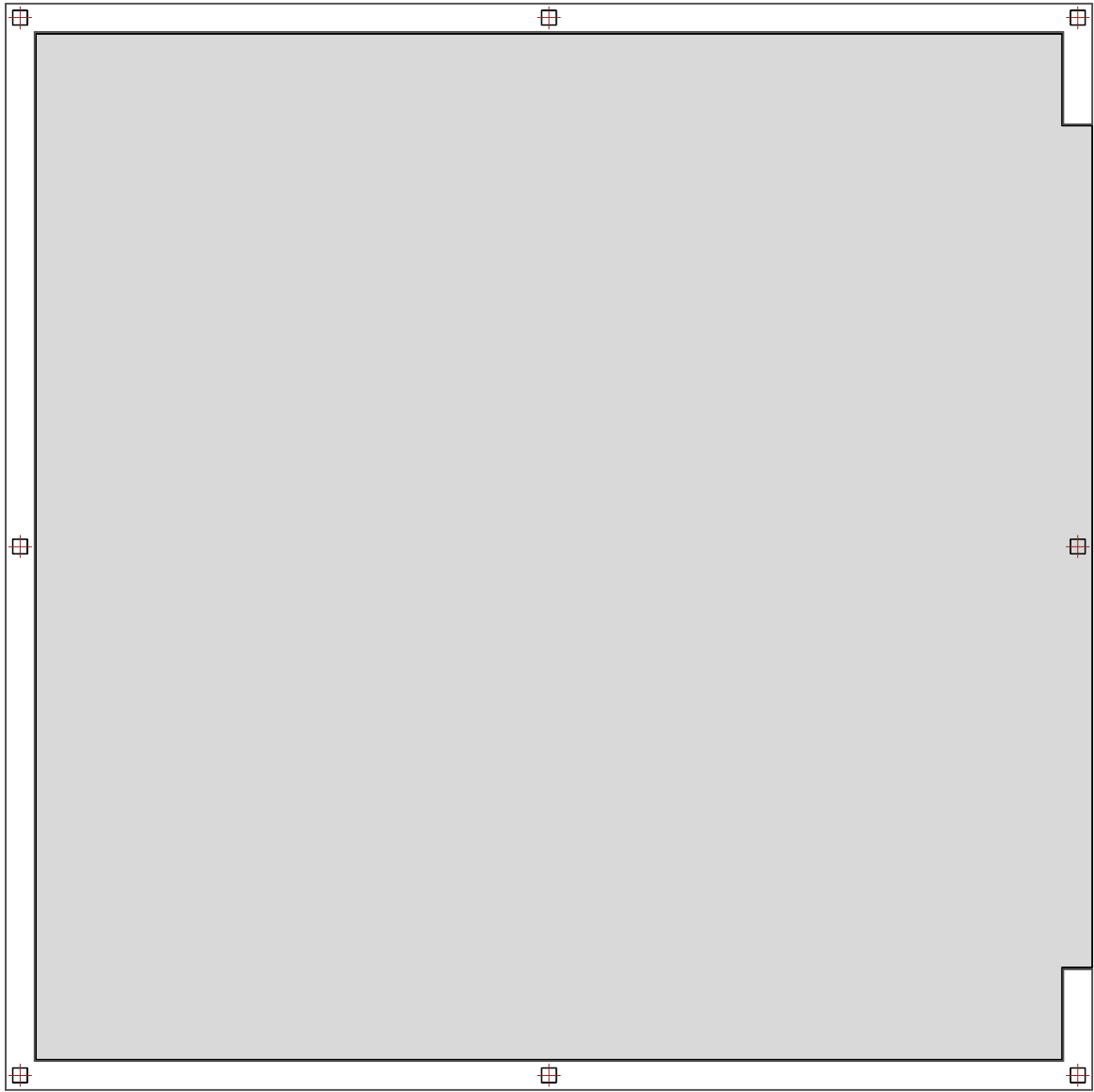
Window Schedule - Main Level

ID	Window Operation	Unit Width	Unit Height	Head Extension	Material	Finish	Glass	Head Detail	Jamb Detail	sill Detail	Egress Win	Mfr	Model No.	Accessories	Comments	Count
W- A	Custom	40"	40"	80"	Alum Clad Wood	Stain	Low-E				FALSE					5
W- B	Custom	26"	26"	80"	Alum Clad Wood	Stain	Low-E				FALSE					3
W- C	Casement	28"	40"	80"	Alum Clad Wood	Stain	Low-E				FALSE					3
W- D	Custom	120"	60"	80"	Alum Clad Wood	Stain	Low-E				FALSE					2

Door Schedule - Main Level

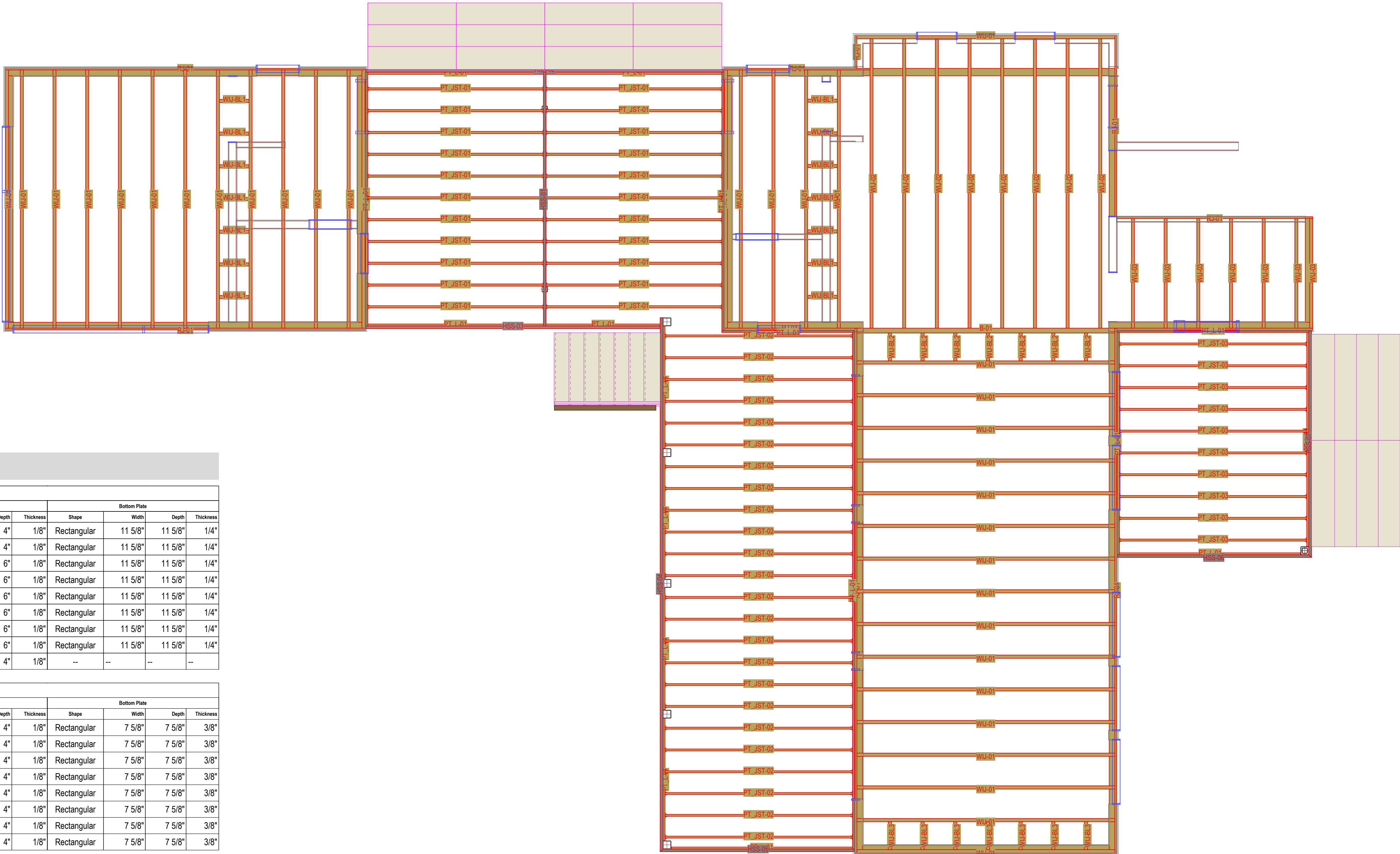
ID	Door Operation	Width	Height	Thickness	Blade Style	Material	Finish	Glazing Notes	Blind Lights	L. Sill Ext Wld	R. Sill Ext Wld	Jamb Thick	Jamb Depth	Head Detail	Jamb Detail	Sill Detail	W/F Set	Mfr	Model No.	Accessories	Comments
D- 01	Swing Simple	30"	7'10"	1 3/4"	Glass	Stn Steel	-	Ribbed	-	-	-	2"	9"					Neoport	Vision		
D- 02	Swing Simple	30"	7'10"	1 3/4"	Glass	Stn Steel	-	Ribbed	-	-	-	2"	9"					Neoport	Vision		
D- 03	Swing Simple	30"	7'10"	1 3/4"	Glass	Stn Steel	-	Ribbed	-	-	-	2"	9"					Neoport	Vision		
D- 04	Slider	7'10 1/2"	7'10 1/2"	1 3/4"	Glass	Alum Clad Wood	-	-	-	-	-	1 1/8"	5 5/8"	-	-	-		Marvin	Marvin Clad Sliding Patio 8080	-	-
D- 05	Slider	7'10 1/2"	7'10 1/2"	1 3/4"	Glass	Alum Clad Wood	-	-	-	-	-	1 1/8"	5 5/8"	-	-	-		Marvin	Marvin Clad Sliding Patio 8080	-	-
D- 06	Slider	7'10 1/2"	7'10 1/2"	1 3/4"	Glass	Alum Clad Wood	-	-	-	-	-	1 1/8"	5 5/8"	-	-	-		Marvin	Marvin Clad Sliding Patio 8080	-	-
D- 07	Swing Simple	26"	80"	1 3/4"	Solid	Wood	Stain	Frosted	-	-	-	3/4"	7"								
D- 08	Swing Simple	26"	80"	1 3/8"	Glass	Wood	Stain	Frosted	-	-	-	3/4"	4 3/4"								
D- 09	Swing Simple	26"	80"	1 3/8"	Glass	Wood	Stain	Frosted	-	-	-	3/4"	6 3/4"								





Framing Schedule

First Floor Framing									
ID	Type	Description	Width	Height	Pitch	Span	Roll Angle	Struct Size	Quantity
20		20	3' 8 1/8"	20'10 1/2"	20	254'0 3/4"	20	20	182
B-01	Wood LSL Beam	1.55E TimberStrand LSL	3 1/2"	14"	0.00°	15'9 1/2"	0.00°	--	1
HSS-01	Steel Tube Framing	Shop fabricated, primed	2"	10"	0.00°	15'6 3/8"	0.00°	12 x 2 x 0.25	1
HSS-02	Steel Tube Framing	Shop fabricated, primed	2"	10"	0.00°	21'11"	0.00°	12 x 2 x 0.1875	1
HSS-03	Steel Tube Framing	Shop fabricated, primed	2"	10"	0.00°	18'0 3/8"	0.00°	12 x 2 x 0.1875	1
HSS-04	Steel Tube Framing	Shop fabricated, primed	2"	10"	0.00°	32'7"	0.00°	12 x 2 x 0.1875	1
HSS-05	Steel Tube Framing	Shop fabricated, primed	2"	10"	0.00°	11'9 3/4"	0.00°	12 x 2 x 0.1875	1
HSS-06	Steel Tube Framing	Shop fabricated, primed	2"	10"	0.00°	11'9 5/8"	0.00°	12 x 2 x 0.1875	1
HSS-07	Steel Tube Framing	Shop fabricated, primed	2"	10"	0.00°	13'9 3/4"	0.00°	12 x 2 x 0.1875	1
PT_JST-01	Wood 2x10 Joist	Pressure Treated Southern Pine, Select Structural Grade	1 1/2"	9 1/4"	0.00°	10'9"	0.00°	--	22
PT_JST-02	Wood 2x10 Joist	Pressure Treated Southern Pine, Select Structural Grade	1 1/2"	9 1/4"	0.00°	11'5 3/4"	0.00°	--	24
PT_JST-03	Wood 2x10 Joist	Pressure Treated Southern Pine, Select Structural Grade	1 1/2"	9 1/4"	0.00°	11'5 3/4"	0.00°	--	10
PT_L-01	Wood 2x10 Ledger	Pressure Treated Southern Pine, Select Structural Grade	1 1/2"	9 1/4"	0.00°	7'6"	0.00°	--	17
PT_SP-01	Wood 2x6 Sill Plate	Pressure Treated Southern Pine, Select Structural Grade	5 1/2"	1 1/2"	0.00°	15'1"	0.00°	--	13
RJ-01	Wood Rim Joist	TimberStrand LSL 1 1/4"	1 1/4"	14"	0.00°	11'11"	0.00°	--	10
WIJ-01	Wood I-Joist	TJI-230	2 3/8"	14"	0.00°	15'9 1/2"	0.00°	--	35
WIJ-02	Wood I-Joist	TJI-230	2 3/8"	14"	0.00°	17'8 1/2"	0.00°	--	8
WIJ-03	Wood I-Joist	TJI-230	2 3/8"	14"	0.00°	6'8 1/2"	0.00°	--	7
WIJ-BL1	Wood I-Joist Blocking	TJI-230	2 3/8"	14"	0.00°	1'9 3/4"	0.00°	--	14
WIJ-BL2	Wood I-Joist Blocking	TJI-230	2 3/8"	14"	0.00°	1'8 5/8"	0.00°	--	7
WIJ-BL3	Wood I-Joist Blocking	TJI-230	2 3/8"	14"	0.00°	1'8 1/2"	0.00°	--	7



Column Schedule

First Floor														
Column							Top Plate				Bottom Plate			
ID	Type	Description	Height	Width	Depth	Struct Size	Shape	Width	Depth	Thickness	Shape	Width	Depth	Thickness
C-01	Steel Tube Column	Shop fabricated, primed	4 3/4"	4"	4"	4 x 4 x 0.125	Rectangular	4"	4"	1/8"	Rectangular	11 5/8"	11 5/8"	1/4"
C-02	Steel Tube Column	Shop fabricated, primed	4 3/4"	4"	4"	4 x 4 x 0.125	Rectangular	4"	4"	1/8"	Rectangular	11 5/8"	11 5/8"	1/4"
C-03	Steel Tube Column	Shop fabricated, primed	2'8 3/4"	6"	6"	6 x 6 x 0.25	Rectangular	6"	6"	1/8"	Rectangular	11 5/8"	11 5/8"	1/4"
C-04	Steel Tube Column	Shop fabricated, primed	2'8 3/4"	6"	6"	6 x 6 x 0.25	Rectangular	6"	6"	1/8"	Rectangular	11 5/8"	11 5/8"	1/4"
C-05	Steel Tube Column	Shop fabricated, primed	2'8 3/4"	6"	6"	6 x 6 x 0.25	Rectangular	6"	6"	1/8"	Rectangular	11 5/8"	11 5/8"	1/4"
C-06	Steel Tube Column	Shop fabricated, primed	2'8 3/4"	6"	6"	6 x 6 x 0.25	Rectangular	6"	6"	1/8"	Rectangular	11 5/8"	11 5/8"	1/4"
C-07	Steel Tube Column	Shop fabricated, primed	2'8 3/4"	6"	6"	6 x 6 x 0.25	Rectangular	6"	6"	1/8"	Rectangular	11 5/8"	11 5/8"	1/4"
C-08	Steel Tube Column	Shop fabricated, primed	2'8 3/4"	6"	6"	6 x 6 x 0.25	Rectangular	6"	6"	1/8"	Rectangular	11 5/8"	11 5/8"	1/4"
C-09	Steel Tube Column	Shop fabricated, primed	8'10 3/8"	4"	4"	4 x 4 x 0.25	Rectangular	4"	4"	1/8"	--	--	--	--

Carport														
Column							Top Plate				Bottom Plate			
ID	Type	Description	Height	Width	Depth	Struct Size	Shape	Width	Depth	Thickness	Shape	Width	Depth	Thickness
C-10	Steel Tube Column	Shop fabricated, primed	8'11 1/4"	4"	4"	4 x 4 x 0.125	Rectangular	4"	4"	1/8"	Rectangular	7 5/8"	7 5/8"	3/8"
C-11	Steel Tube Column	Shop fabricated, primed	8'11 1/4"	4"	4"	4 x 4 x 0.125	Rectangular	4"	4"	1/8"	Rectangular	7 5/8"	7 5/8"	3/8"
C-12	Steel Tube Column	Shop fabricated, primed	8'11 1/4"	4"	4"	4 x 4 x 0.125	Rectangular	4"	4"	1/8"	Rectangular	7 5/8"	7 5/8"	3/8"
C-13	Steel Tube Column	Shop fabricated, primed	8'11 1/4"	4"	4"	4 x 4 x 0.125	Rectangular	4"	4"	1/8"	Rectangular	7 5/8"	7 5/8"	3/8"
C-14	Steel Tube Column	Shop fabricated, primed	8'11 1/4"	4"	4"	4 x 4 x 0.125	Rectangular	4"	4"	1/8"	Rectangular	7 5/8"	7 5/8"	3/8"
C-15	Steel Tube Column	Shop fabricated, primed	8'11 1/4"	4"	4"	4 x 4 x 0.125	Rectangular	4"	4"	1/8"	Rectangular	7 5/8"	7 5/8"	3/8"
C-16	Steel Tube Column	Shop fabricated, primed	8'11 1/4"	4"	4"	4 x 4 x 0.125	Rectangular	4"	4"	1/8"	Rectangular	7 5/8"	7 5/8"	3/8"
C-17	Steel Tube Column	Shop fabricated, primed	8'11 1/4"	4"	4"	4 x 4 x 0.125	Rectangular	4"	4"	1/8"	Rectangular	7 5/8"	7 5/8"	3/8"

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No.	Date	Issue Notes

Project Title

Modern Home Prototype

Project Location

Jessup, MD 20794

Project ID

NNA2008.04

File Name

ModernHomePrototype.vwx

Author

J Ouellette

Sheet Title

Main Level Floor Framing Plan

Sheet #:

A2.4

8 of 16

Plumbing Schedule - Upper Level

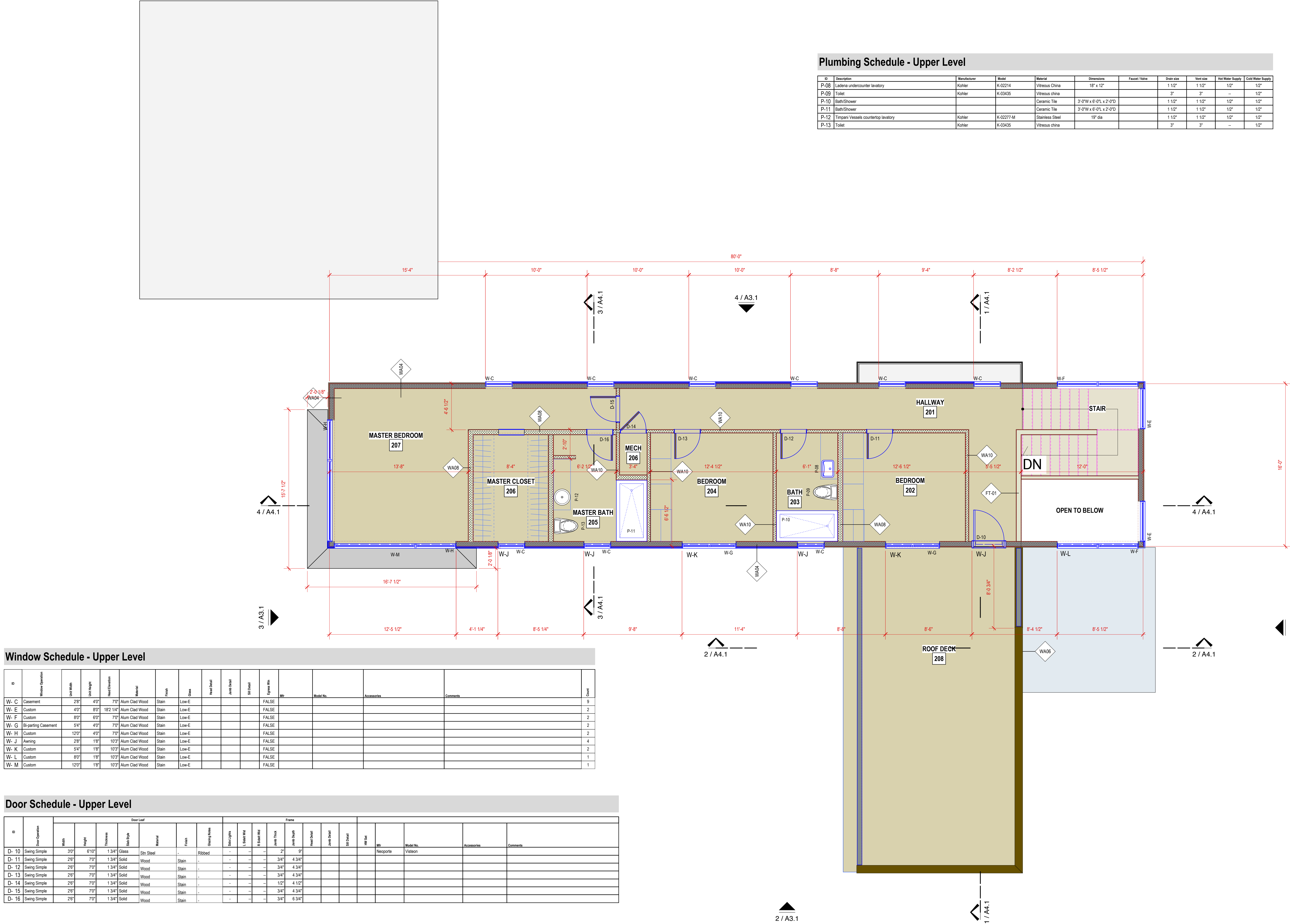
ID	Description	Manufacturer	Model	Material	Dimensions	Facet / Valve	Drain size	Vent size	Hot Water Supply	Cold Water Supply
P-08	Ladena undercounter lavatory	Kohler	K-02214	Vitreous China	18" x 12"		1 1/2"	1 1/2"	1/2"	1/2"
P-09	Toilet	Kohler	K-03435	Vitreous china			3"	3"	--	1/2"
P-10	Bath/Shower			Ceramic Tile	3'-0"W x 6'-0"L x 2'-0"D		1 1/2"	1 1/2"	1/2"	1/2"
P-11	Bath/Shower			Ceramic Tile	3'-0"W x 6'-0"L x 2'-0"D		1 1/2"	1 1/2"	1/2"	1/2"
P-12	Timpani Vessels countertop lavatory	Kohler	K-02277-M	Stainless Steel	19" dia		1 1/2"	1 1/2"	1/2"	1/2"
P-13	Toilet	Kohler	K-03435	Vitreous china			3"	3"	--	1/2"

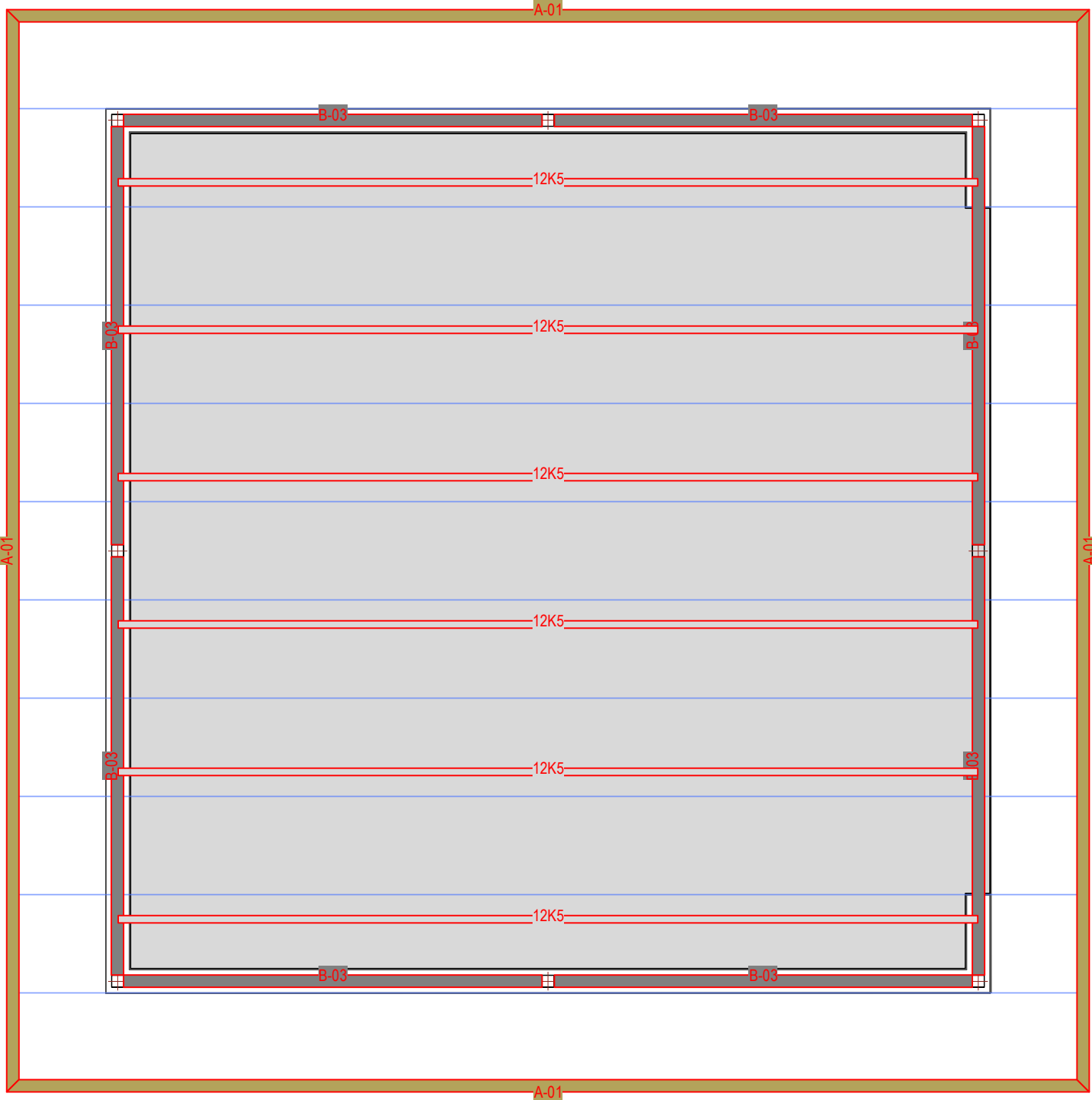
Window Schedule - Upper Level

ID	Window Operation	Jamb Width	Jamb Height	Head Elevation	Material	Finish	Glaze	Head Detail	Jamb Detail	SH Detail	Figure Wn	Mfr	Model No.	Accessories	Comments	Count
W- C	Casement	28"	40"	70"	Alum Clad Wood	Stain	Low-E				FALSE					9
W- E	Custom	40"	80"	182 1/4"	Alum Clad Wood	Stain	Low-E				FALSE					2
W- F	Custom	80"	60"	70"	Alum Clad Wood	Stain	Low-E				FALSE					2
W- G	Bi-parting Casement	54"	40"	70"	Alum Clad Wood	Stain	Low-E				FALSE					2
W- H	Custom	120"	40"	70"	Alum Clad Wood	Stain	Low-E				FALSE					2
W- J	Awning	28"	18"	103"	Alum Clad Wood	Stain	Low-E				FALSE					4
W- K	Custom	54"	18"	103"	Alum Clad Wood	Stain	Low-E				FALSE					2
W- L	Custom	80"	18"	103"	Alum Clad Wood	Stain	Low-E				FALSE					1
W- M	Custom	120"	18"	103"	Alum Clad Wood	Stain	Low-E				FALSE					1

Door Schedule - Upper Level

ID	Door Operation	Width	Height	Thickness	Blind Style	Material	Finish	Glazing Notes	Blind Lights	L. Blind Wld	R. Blind Wld	Jamb Thick	Jamb Depth	Head Detail	Jamb Detail	SH Detail	Wn Set	Mfr	Model No.	Accessories	Comments
D- 10	Swing Simple	30"	6'10"	1 3/4"	Glass	Shn Steel	-	Ribbed	-	-	-	3/4"	4 3/4"					Neoporte	Vision		
D- 11	Swing Simple	26"	70"	1 3/4"	Solid	Wood	Stain	-	-	-	-	3/4"	4 3/4"								
D- 12	Swing Simple	26"	70"	1 3/4"	Solid	Wood	Stain	-	-	-	-	3/4"	4 3/4"								
D- 13	Swing Simple	26"	70"	1 3/4"	Solid	Wood	Stain	-	-	-	-	3/4"	4 3/4"								
D- 14	Swing Simple	26"	70"	1 3/4"	Solid	Wood	Stain	-	-	-	-	1/2"	4 1/2"								
D- 15	Swing Simple	26"	70"	1 3/4"	Solid	Wood	Stain	-	-	-	-	3/4"	4 3/4"								
D- 16	Swing Simple	26"	70"	1 3/4"	Solid	Wood	Stain	-	-	-	-	3/4"	6 3/4"								

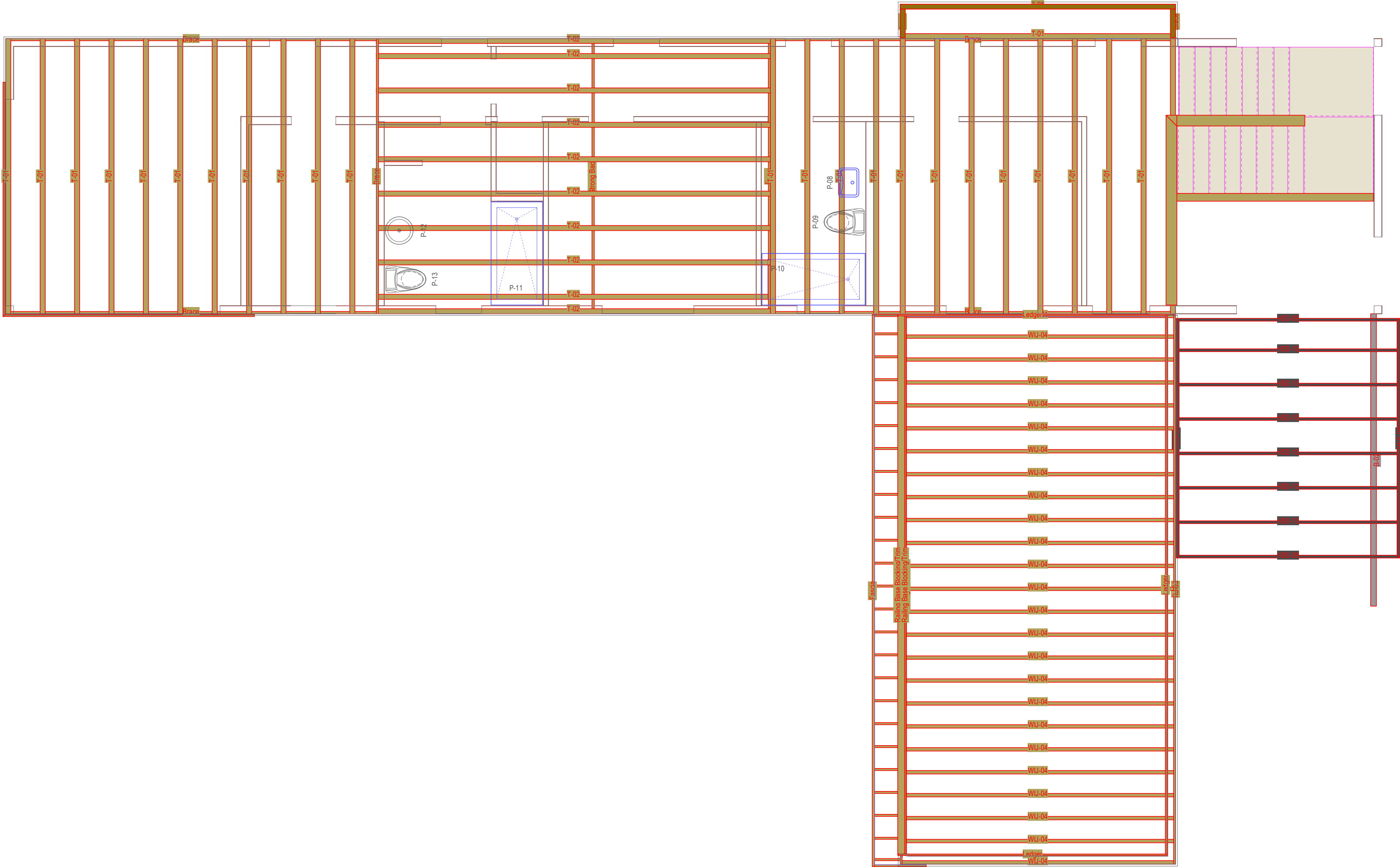


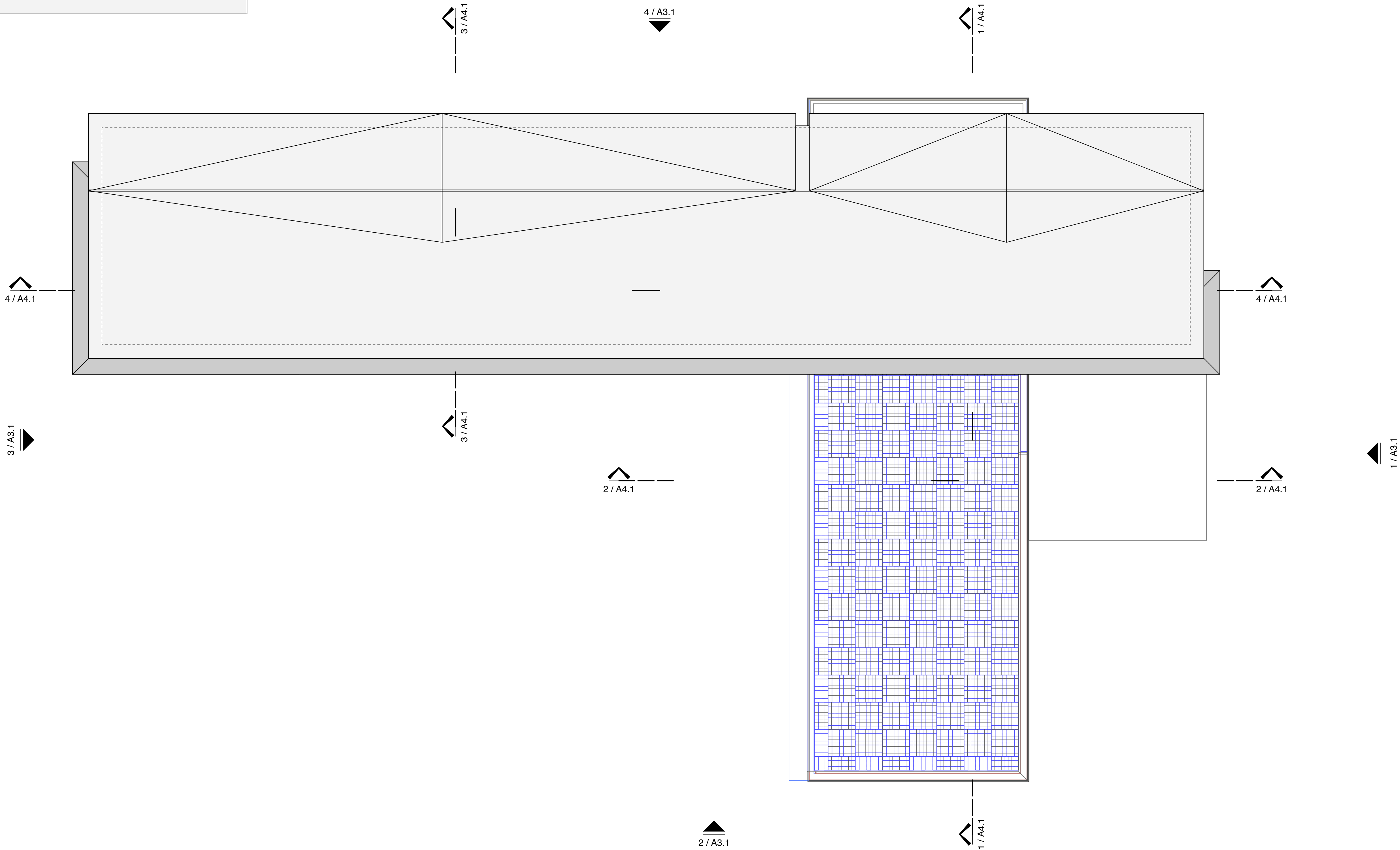
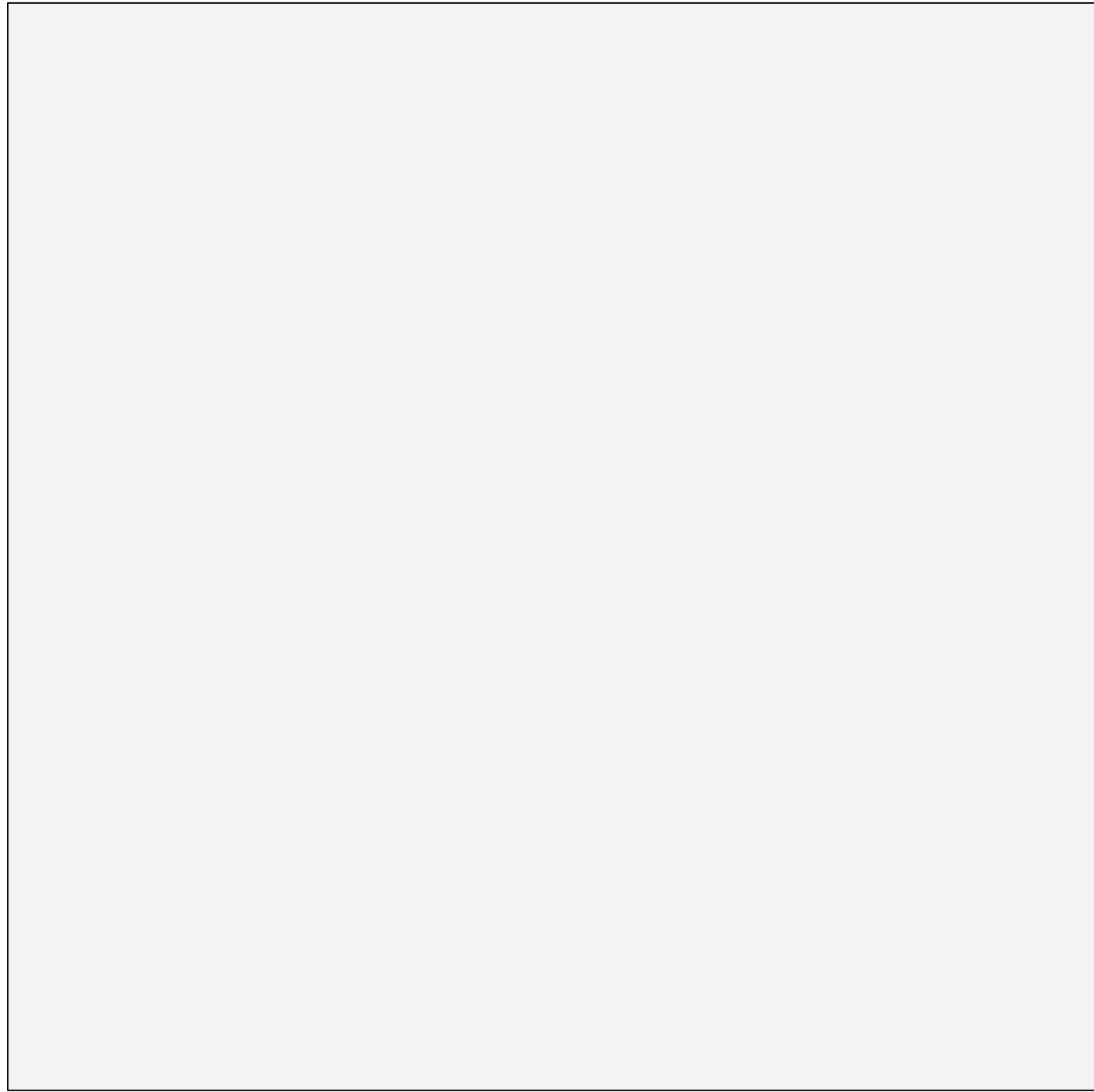


Framing Schedule

Second Floor Framing								
ID	Type	Description	Width	Height	Pitch	Span	Struct Size	Quantity
B-02	Steel Wide Flange Beam	Shop fabricated, primed	4"	7 7/8"	0.00°	17'0"	W8 x 10	1
Blocking	Wood 2x6 Eave Blocking	Southern Pine, No. 2 Grade	1 1/2"	5 1/2"	0.00°	3'0"	--	26
Brace	Wood 2x4 Truss Brace	Southern Pine, Select Structural Grade	1 1/2"	3 1/2"	0.00°	16'0"	--	8
Fascia	Wood 2x8 Fascia	Southern Pine, No. 2 Grade	1 1/2"	7 1/4"	0.00°	32'1 1/2"	--	1
HSS-08	Steel Tube Framing	Shop fabricated, primed	2"	4"	0.00°	13'9 1/4"	4 x 2 x 0.125	2
HSS-09	Steel Tube Framing	Shop fabricated, primed	2"	4"	0.00°	12'10"	4 x 2 x 0.125	2
HSS-10	Steel Tube Framing	Shop fabricated, primed	2"	4"	0.00°	12'8"	4 x 2 x 0.125	6
Ledger			1"	5 1/2"	0.00°	3'13 1/2"	--	5
Railing Base			1"	5 1/2"	0.00°	3'13 1/2"	--	3
Railing Base			5 1/2"	1 1/2"	0.00°	3'15 1/2"	--	1
RJ-03	Wood Rim Joist	TimberStrand LSL 1 1/4"	1 1/4"	11 7/8"	0.00°	3'11 1/2"	--	2
Strong Back	Wood 2x6 Bracing	Southern Pine, Select Structural Grade	1 1/2"	5 1/2"	0.00°	16'0"	--	1
T-01	Wood Open Web Truss	Bottom Bearing	3 1/2"	2'0"	0.00°	16'0"	--	26
T-02	Wood Open Web Truss	Bottom Bearing	3 1/2"	2'0"	0.00°	22'11"	--	10
WJ-04	Wood I-Joist	TJI-230	2 3/8"	11 7/8"	0.00°	15'9 1/2"	--	25

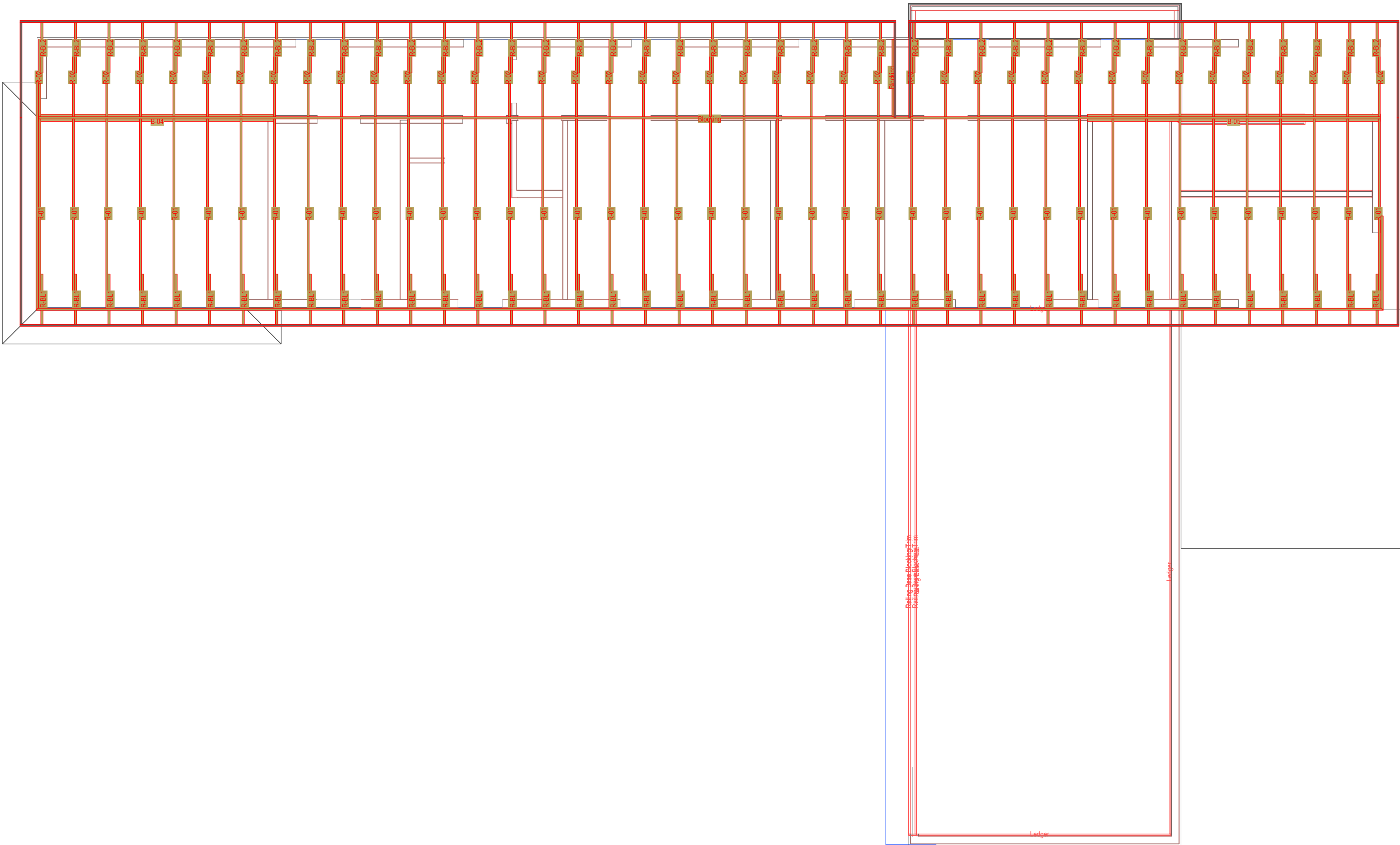
Carport Framing								
ID	Type	Description	Width	Height	Pitch	Span	Struct Size	Quantity
12K5	Steel Open Web Joists	Vulcraft 12K5	2 1/2"	1'0"	0.00°	23'4"	--	6
A-01	Steel Angle Edge	Shop fabricated, primed	4"	4"	0.00°	2'90 1/2"	L4 x 4 x 0.25	4
ASC_CP-32	Steel Roof Decking Panels	ASC CP-32	2'8"	1 3/8"	0.00°	2'94"	--	11
B-03	Steel Wide Flange Beams	Galvanized	4"	11 7/8"	0.00°	11'4 1/4"	W12 x 14	8

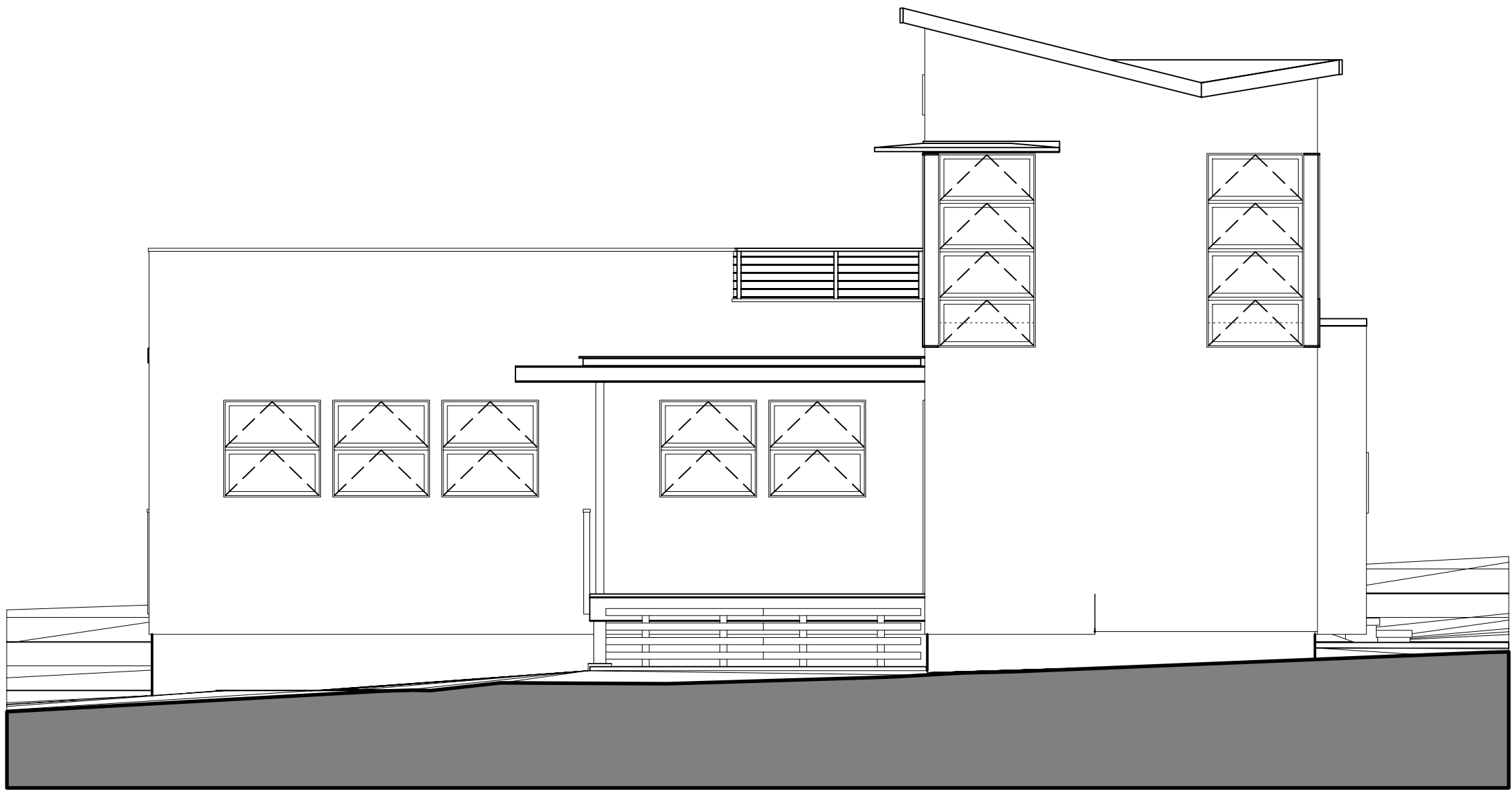




Framing Schedule

Roof Framing										
ID	Type	Description	Width	Height	Pitch	Span	Roll Angle	Struct Size	Quantity	
9		7	1'9"	6'1 3/4"	7	75'8 1/2"	9	9	180	
B-04	Wood PSL Beam	2.0E Parallam PSL	5 1/4"	11 1/4"	0.00°	14'1 1/2"	0.00°	--	1	
B-05	Wood PSL Beam	2.0E Parallam PSL	5 1/4"	11 1/4"	0.00°	17'5 1/2"	0.00°	--	1	
Blocking	Wood 2x10 Blocking	Southern Pine, No. 2 Grade	1 1/2"	9 1/4"	---	4'6 1/2"	0.00°	--	2	
Fascia			1 1/2"	7"	---	12'3 3/4"	0.00°	--	9	
Ledger			1 1/2"	5 1/2"	0.00°	5'6 3/4"	0.00°	--	3	
R-01	Wood 2x10 Rafter	Southern Pine, Select Structural Grade	1 1/2"	9 1/4"	14.04°	11'2"	0.00°	--	41	
R-02	Wood 2x10 Rafter	Southern Pine, Select Structural Grade	1 1/2"	9 1/4"	9.46°	4'6 1/2"	0.00°	--	41	
R-BL1	Wood 2x6 Eave Framing	Southern Pine, No. 2 Grade	1 1/2"	5 1/2"	14.04°	3'0"	0.00°	--	41	
R-BL2	Wood 2x6 Eave Framing	Southern Pine, No. 2 Grade	1 1/2"	5 1/2"	9.46°	3'0"	0.00°	--	41	

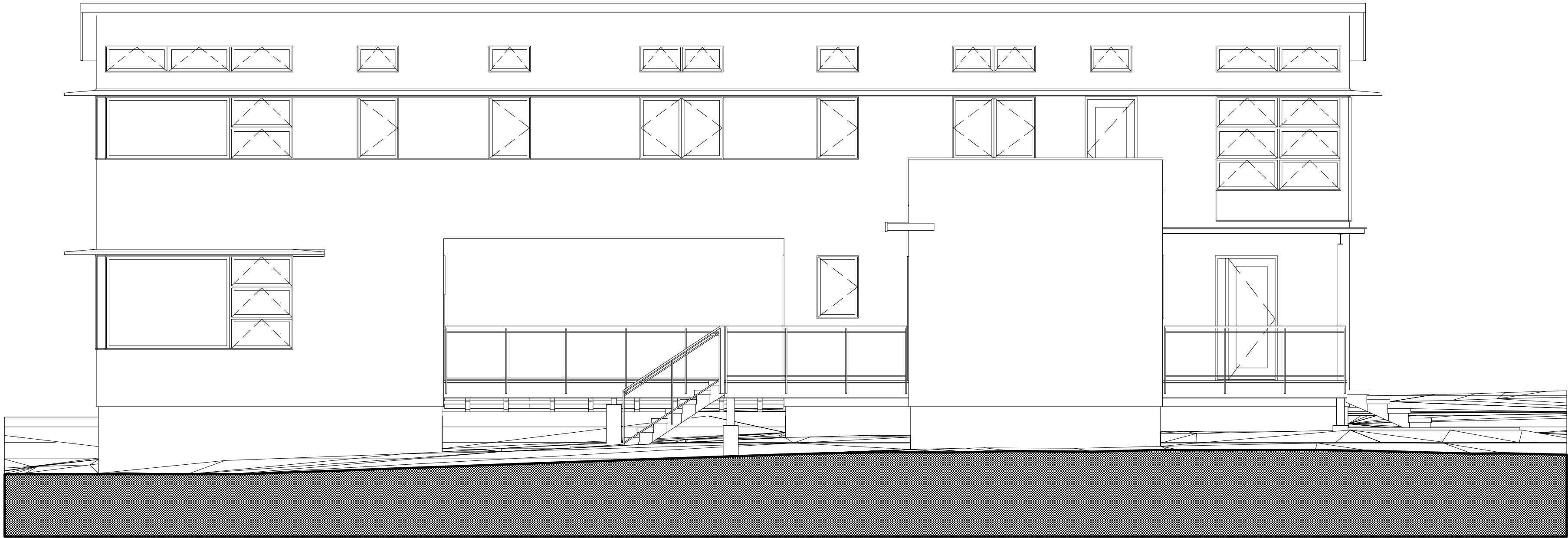




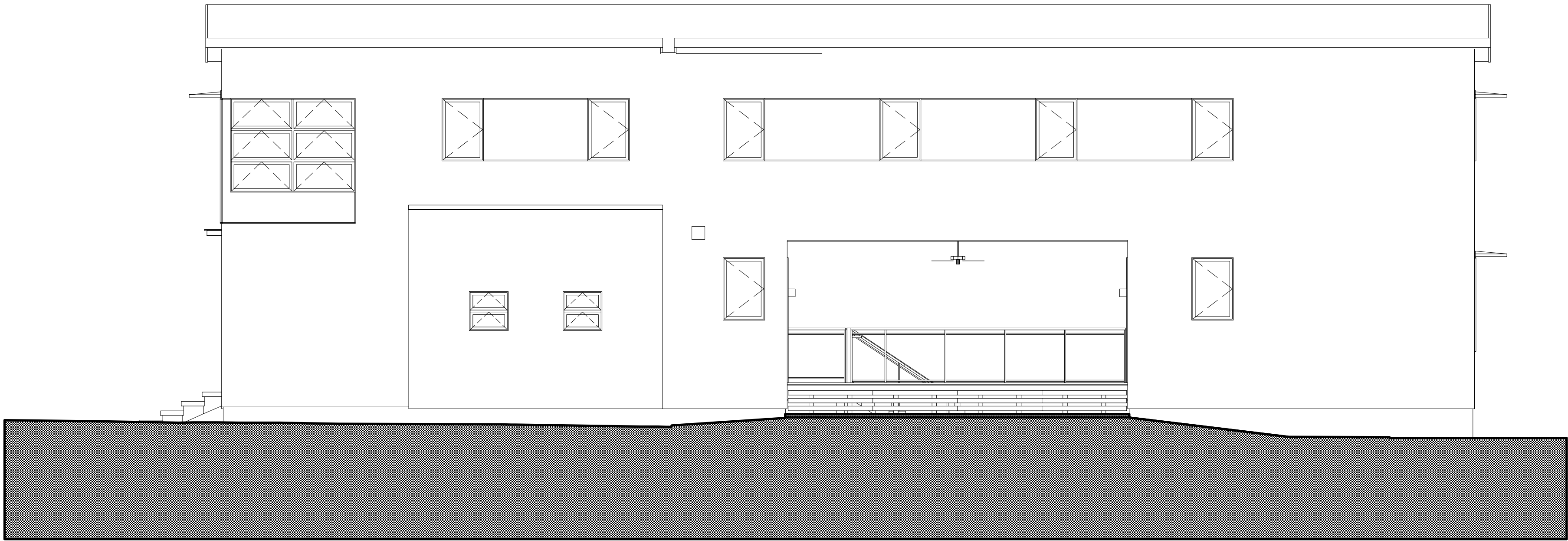
1 Front (Northeast) Elevation
Scale: 3/16" = 1'-0"



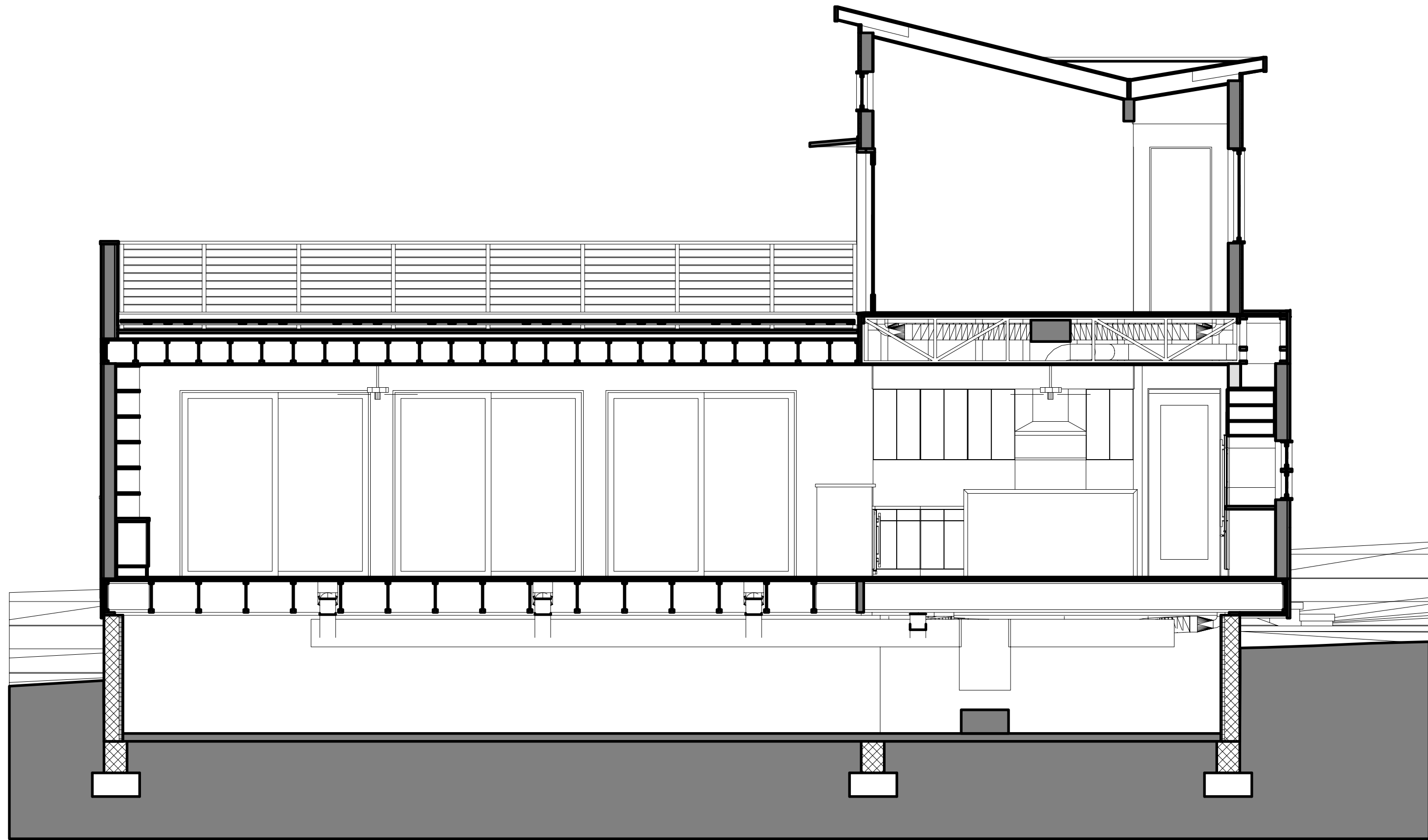
3 Rear (Southwest) Elevation
Scale: 3/16" = 1'-0"



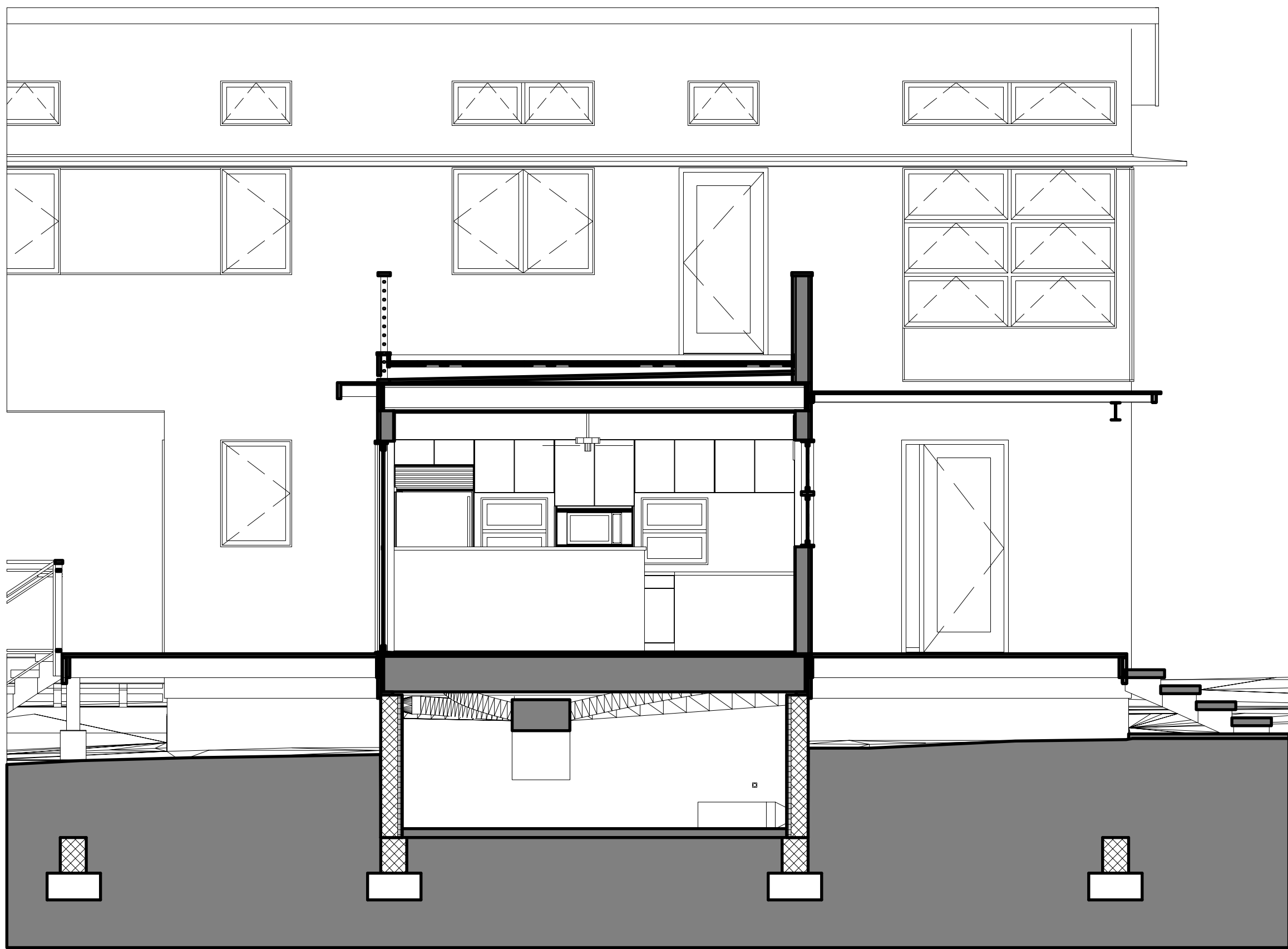
2 Side (Southeast) Elevation
Scale: 3/16" = 1'-0"



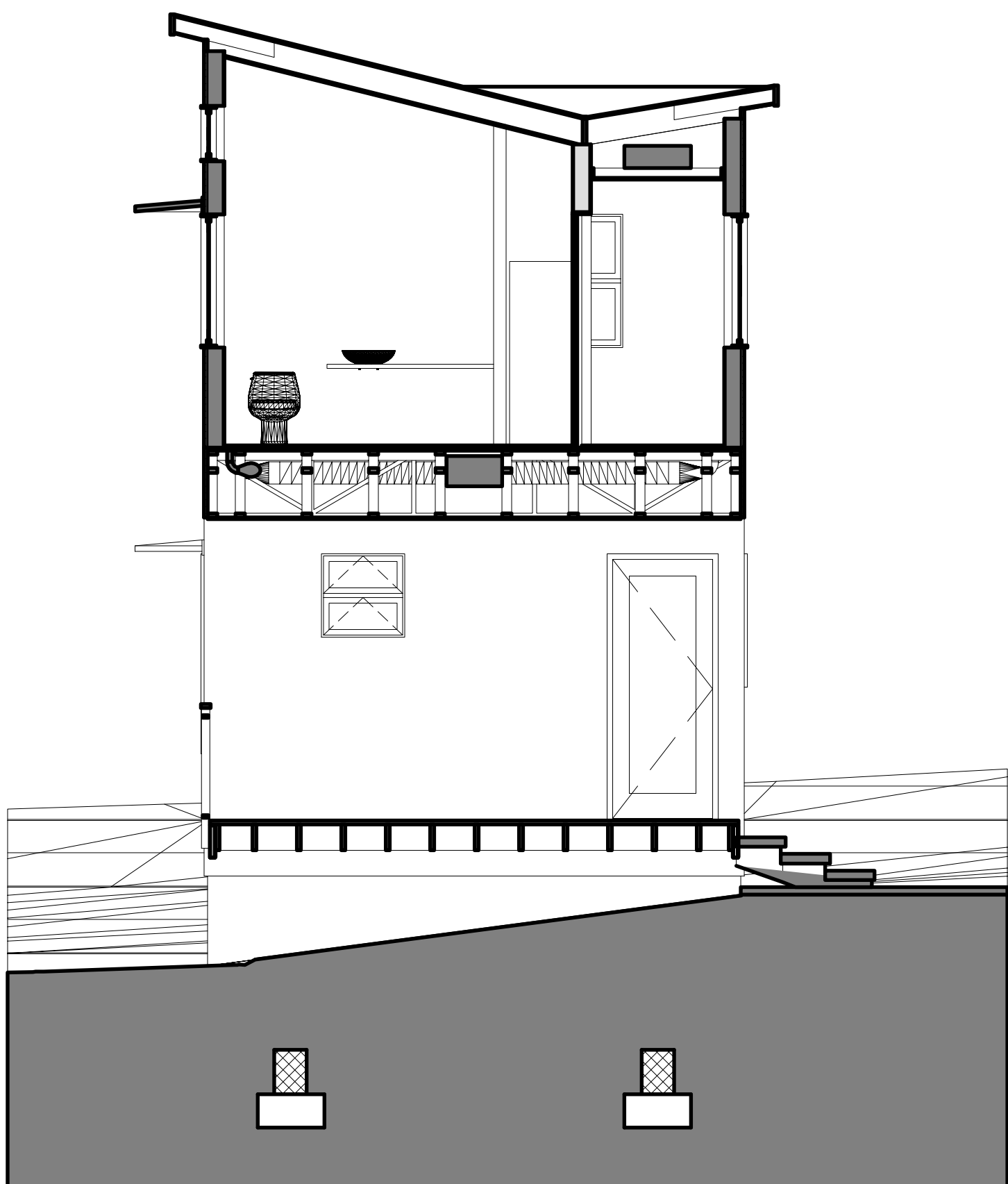
4 Side (Northwest) Elevation
Scale: 3/16" = 1'-0"



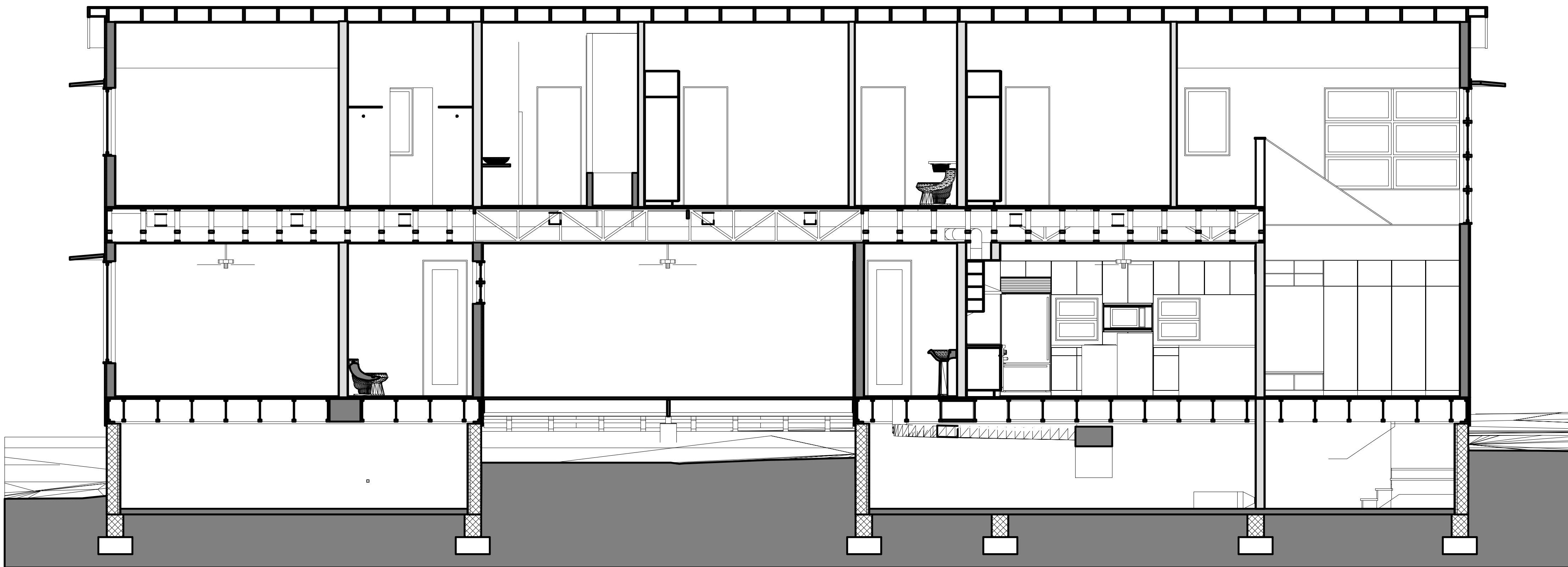
1 Building Section through Living, Dining, and Kitchen
Scale: 1/4" = 1'-0"



2 Building Section through Dining and Roof Deck
Scale: 1/4" = 1'-0"



3 Building Section through Dogtrot and Master Bath
Scale: 1/4" = 1'-0"



4 Building Section through Guest/Office, Bedrooms, Baths, Kitchen, and Stair
Scale: 1/4" = 1'-0"

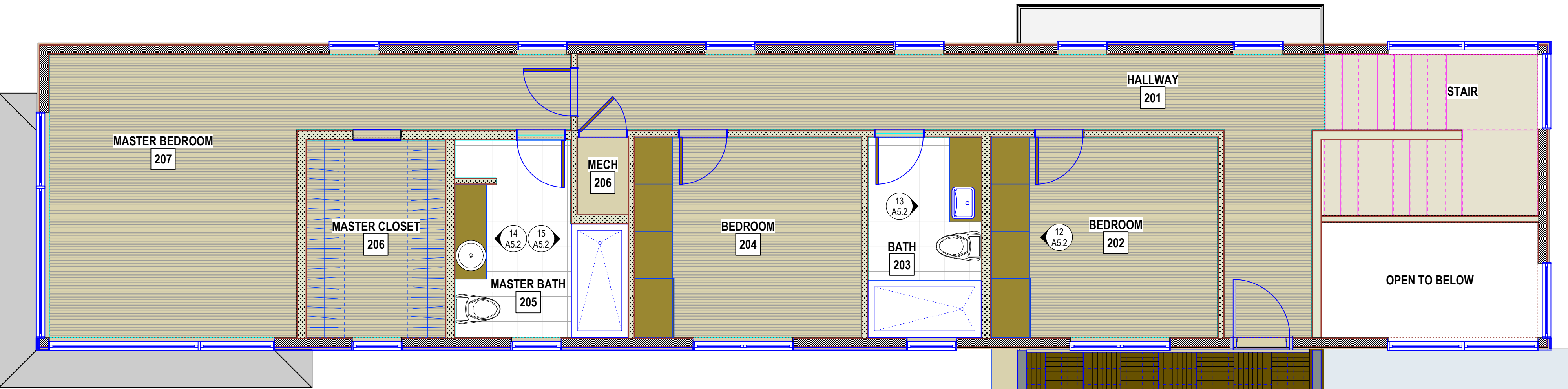
No.	Date	Issue Notes
Project Title		
Modern Home Prototype		
Project Location		
Jessup, MD 20794		
Project ID		
NNA2008.04		
File Name		
ModernHomePrototype.vwx		
Author		
J Ouellette		

Sheet Title:
Building Sections

Room Finish Schedule

Number	Room Name	F.F.E.	Ceiling Height	Net Area (sq ft)	Floor		Walls				Ceiling	Comments
					Matl	Base	North	East	South	West		
101	FOYER	3/4"	9'0"	69.70	ST-1	BP-10	GB-1	GB-1	GB-1	GB-1	GB-2	
102	STAIR	0"	9'0"	93.86	BA-1	BP-10	GB-1	GB-1	GB-1	GB-1	GB-2	
103	LIVING/DINING	3/4"	9'0"	457.50	BA-1	BP-10	GB-1	GB-1	GB-1	GB-1	GB-2	
104	KITCHEN	3/4"	9'0"	302.50	BA-1	BP-10	GB-1	GB-1	GB-1	GB-1	GB-2	
105	MUD ROOM	3/4"	9'0"	52.54	ST-1	BP-10	GB-1	GB-1	GB-1	GB-1	GB-2	
106	POWDER	3/4"	9'0"	27.29	ST-1	--	CT-1	CT-1	CT-1	CT-1	GB-2	
107	FOYER	3/4"	9'0"	29.33	ST-1	BP-10	GB-1	GB-1	GB-1	GB-1	GB-2	
108	CLOSET	3/4"	9'0"	32.39	ST-1	BP-10	GB-1	GB-1	GB-1	GB-1	GB-2	
109	GUEST BATH	3/4"	9'0"	41.56	ST-1	BP-10	CT-1	CT-1	CT-1	CT-1	GB-2	
110	GUEST / OFFICE	3/4"	9'0"	196.87	BA-1	BP-10	GB-1	GB-1	GB-1	GB-1	GB-2	
201	HALLWAY	11/3"	9'0"	209.38	BA-1	BP-10	GB-1	GB-1	GB-1	GB-1	GB-2	
202	BEDROOM	11/3"	9'0"	127.50	BA-1	BP-10	GB-1	GB-1	GB-1	GB-1	GB-2	
203	BATH	11/3"	9'0"	63.75	ST-1	--	CT-1	CT-1	CT-1	CT-1	GB-2	
204	BEDROOM	11/3"	9'0"	127.50	BA-1	BP-10	GB-1	GB-1	GB-1	GB-1	GB-2	
205	MASTER BATH	11/3"	9'0"	82.52	ST-1	--	CT-1	CT-1	CT-1	CT-1	GB-2	
206	MASTER CLOSET	11/3"	9'0"	77.92	BA-1	BP-10	GB-1	GB-1	GB-1	GB-1	GB-2	
206	MECH	11/3"	9'0"	10.89	--	--	GB-1	GB-1	GB-1	GB-1	--	
207	MASTER BEDROOM	11/3"	9'0"	255.04	BA-1	BP-10	GB-1	GB-1	GB-1	GB-1	GB-2	
208	ROOF DECK	10'11 1/4"	9'0"	472.30	WD-1	--	--	--	--	--	--	

2 Upper Level Finish Plan
Scale: 1/4" = 1'-0"

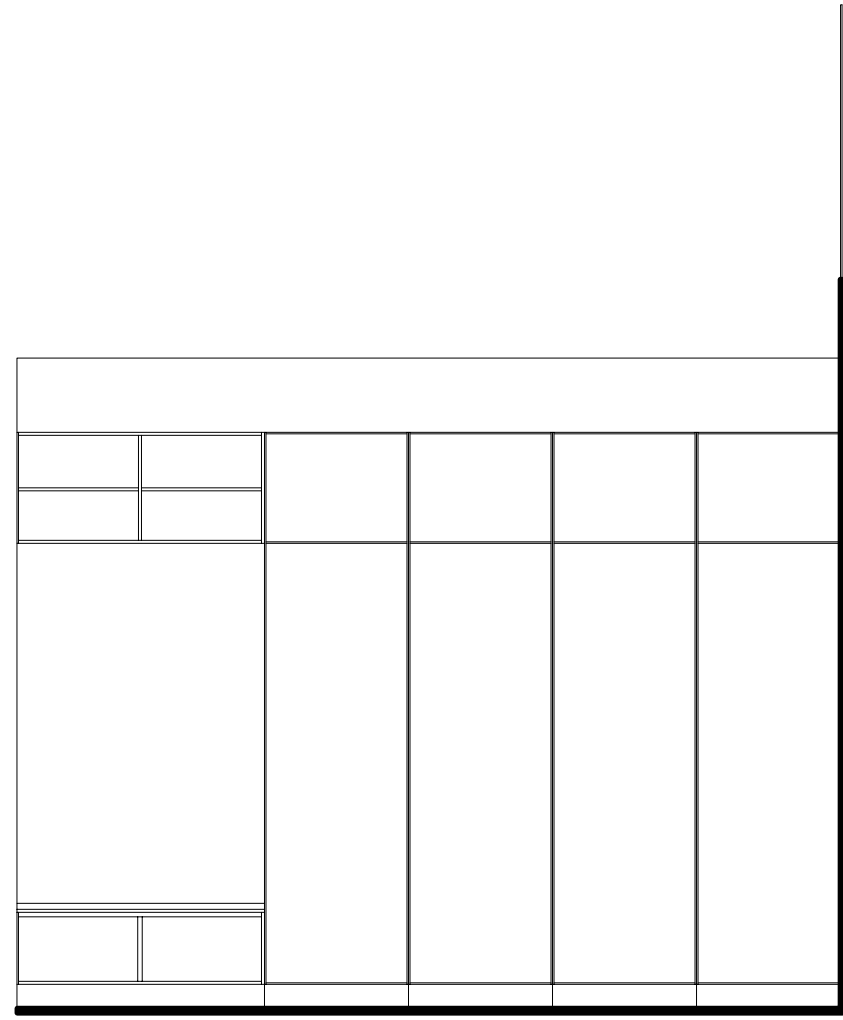


1 Main Level Finish Plan
Scale: 1/4" = 1'-0"

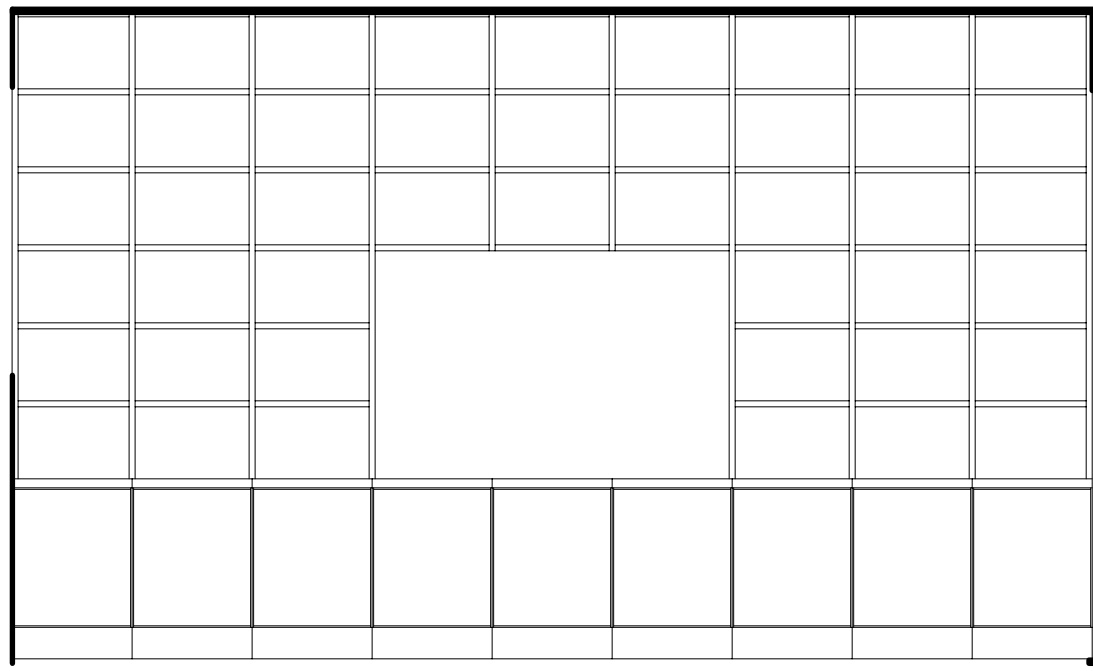


Room Finish Legend

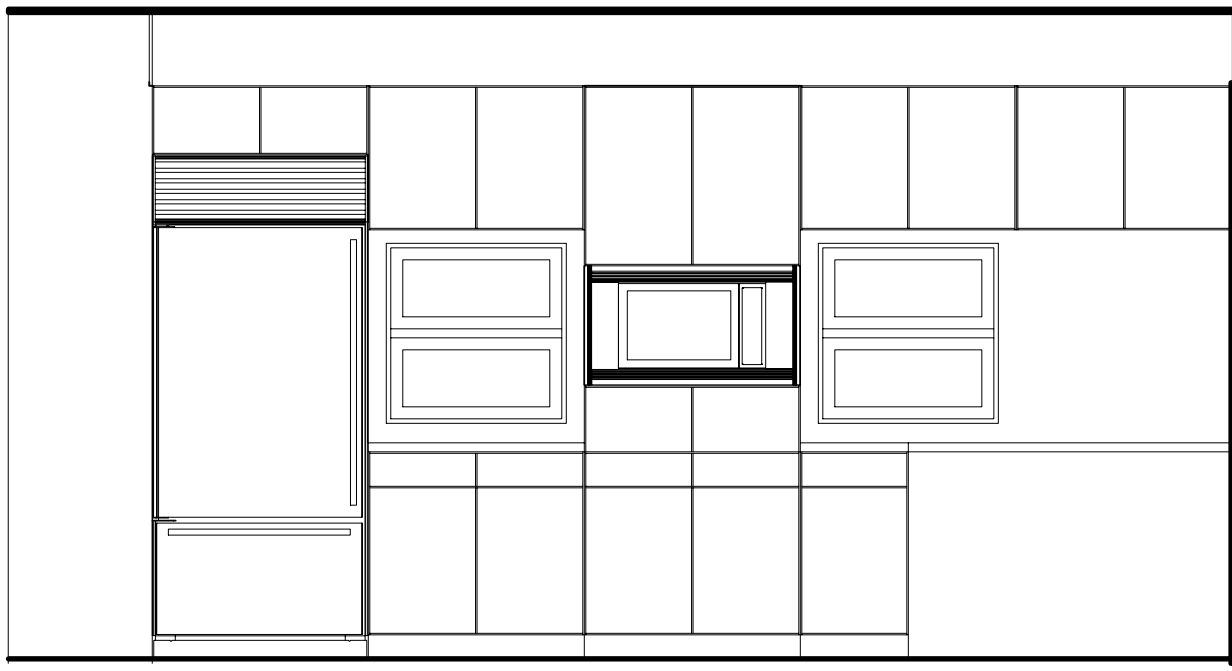
Floor	
CT-14	16" square travertine stone tile
BA-1	3 5/8" w x 5/8" prefinished solid strip bamboo flooring, vertical grain, natural finish
FBA-1	1pc custom decking panels
Base	
BP-10	Finish-grade 9/16" x 5 1/4" pine base moulding
Wall	
CT-1	1" X 1" square ceramic tile
GB-1	1/2" gypsum board, primed and painted
Ceiling	
GB-2	5/8" gypsum board, primed and painted



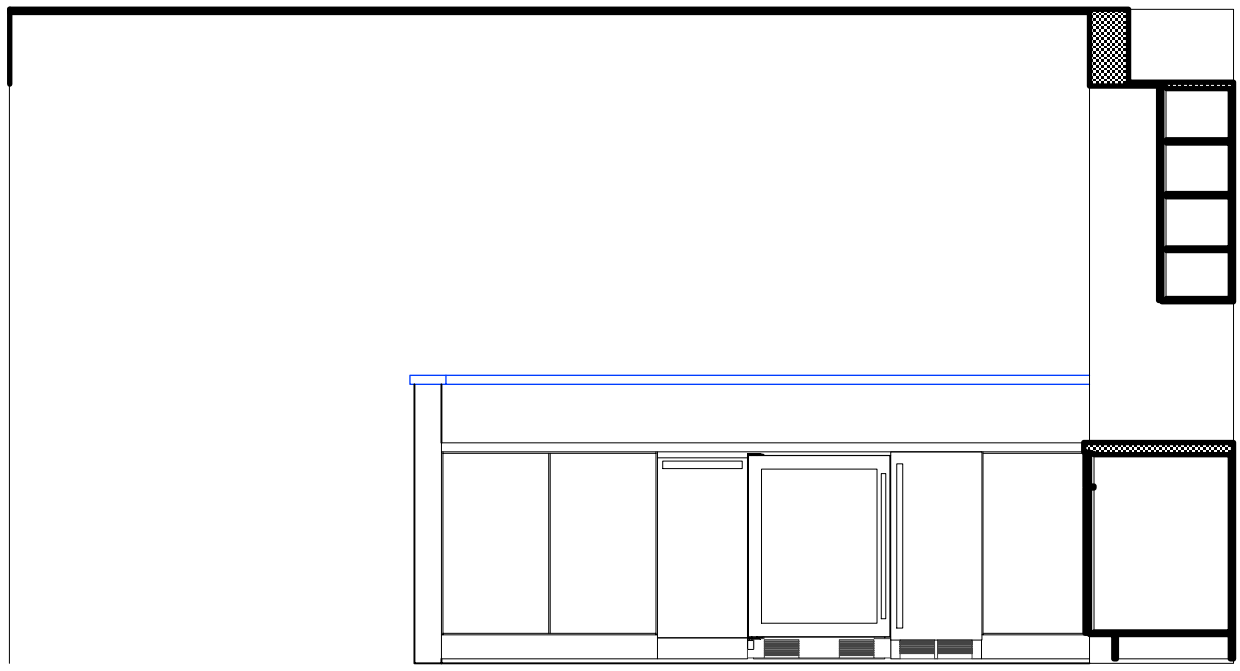
1 Foyer - 101
Scale: 3/8" = 1'-0"



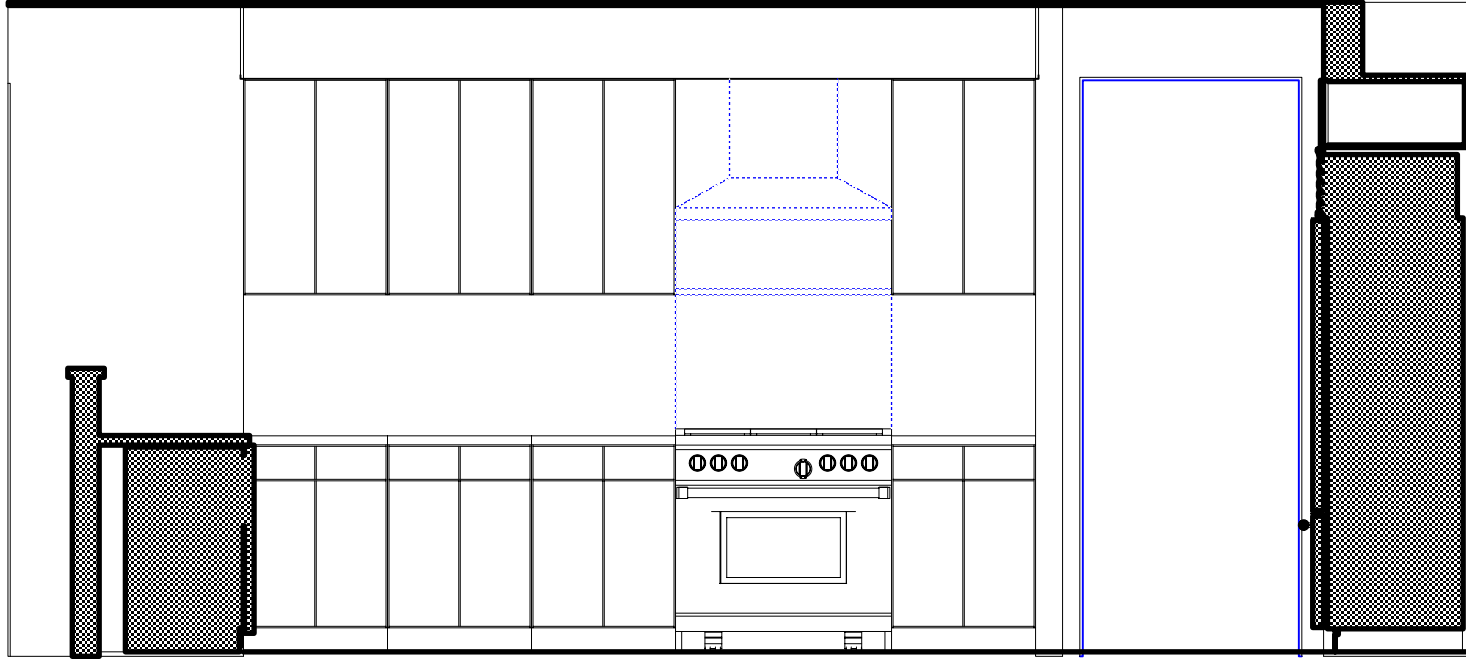
2 Living - 103
Scale: 3/8" = 1'-0"



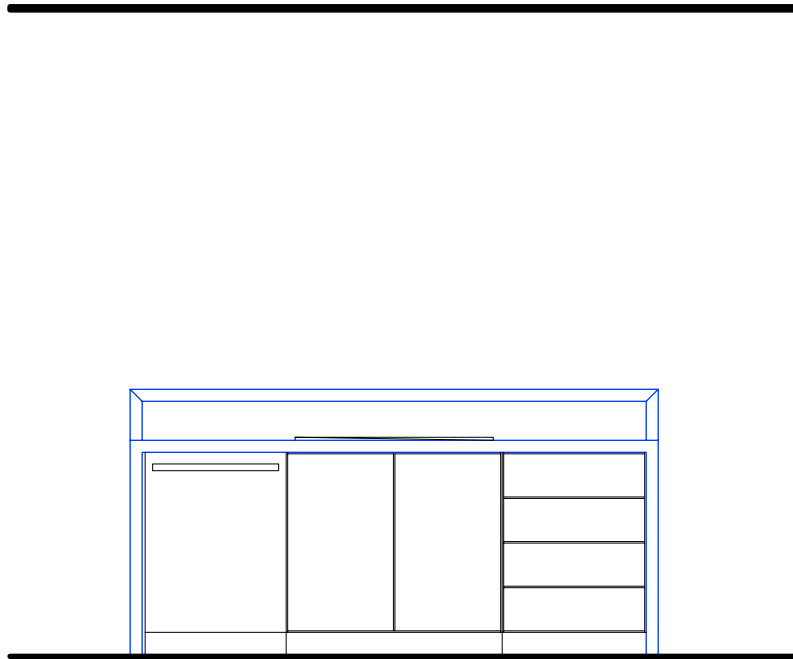
3 Kitchen - 104
Scale: 3/8" = 1'-0"



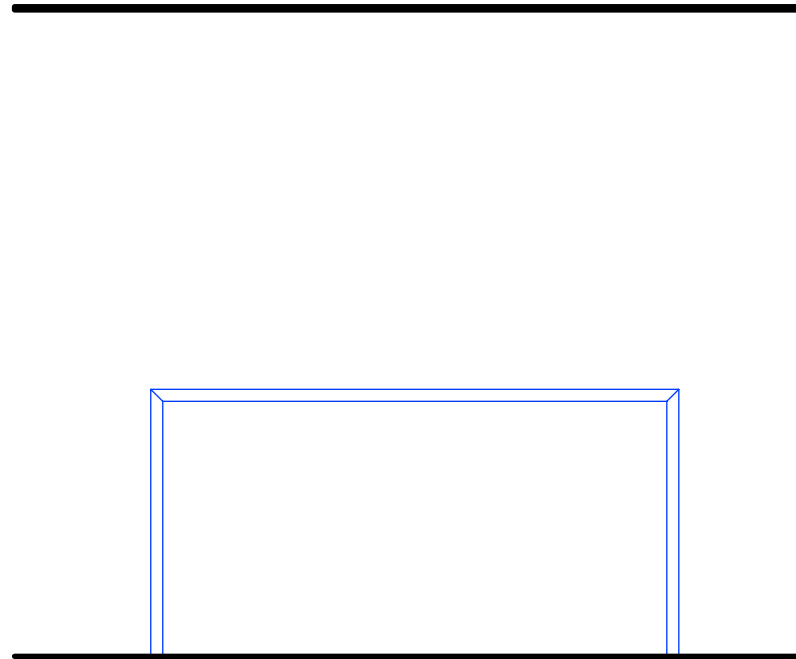
4 Kitchen - 104
Scale: 3/8" = 1'-0"



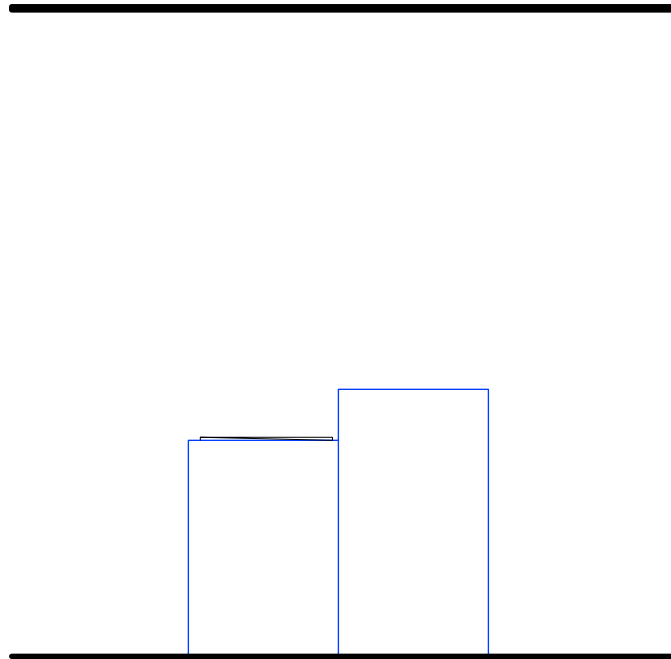
5 Kitchen - 104
Scale: 3/8" = 1'-0"



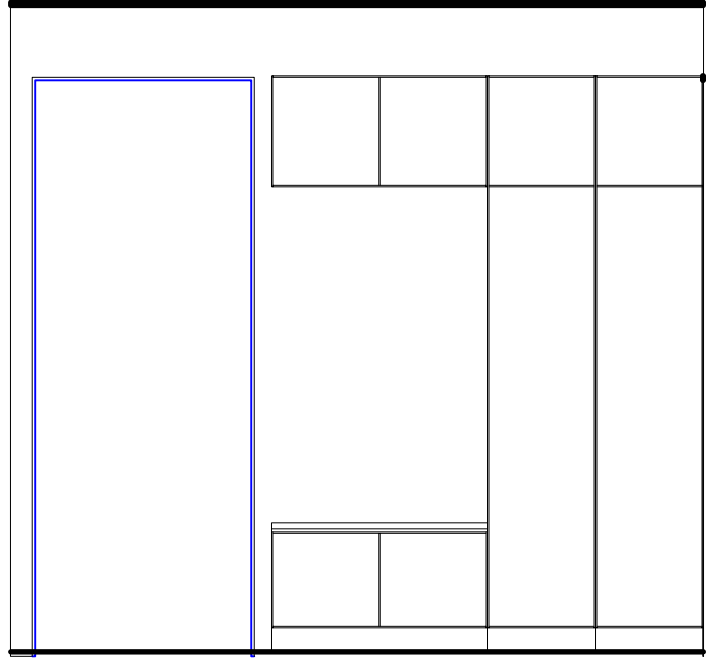
6 Kitchen - 104
Scale: 3/8" = 1'-0"



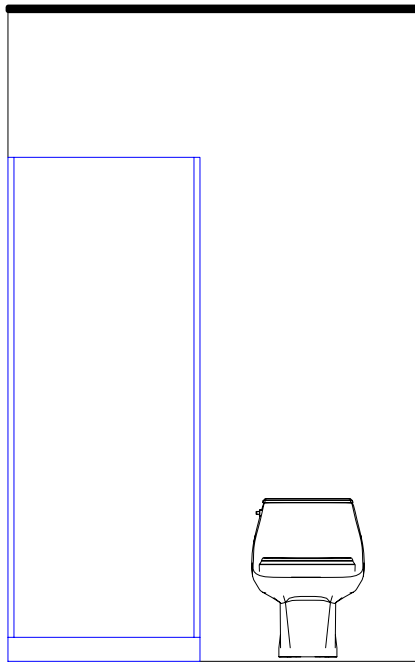
7 Kitchen - 104
Scale: 3/8" = 1'-0"



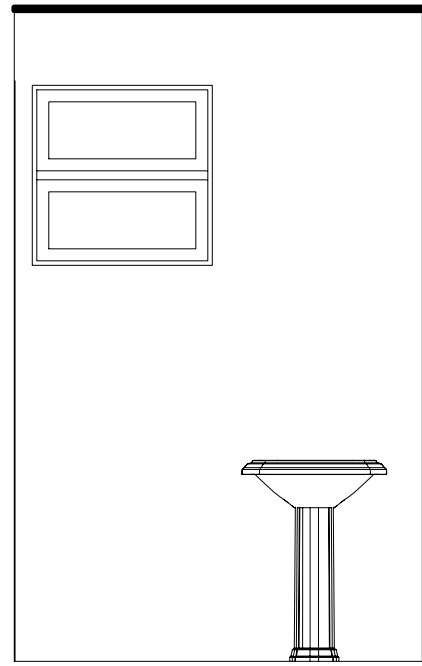
8 Kitchen - 104
Scale: 3/8" = 1'-0"



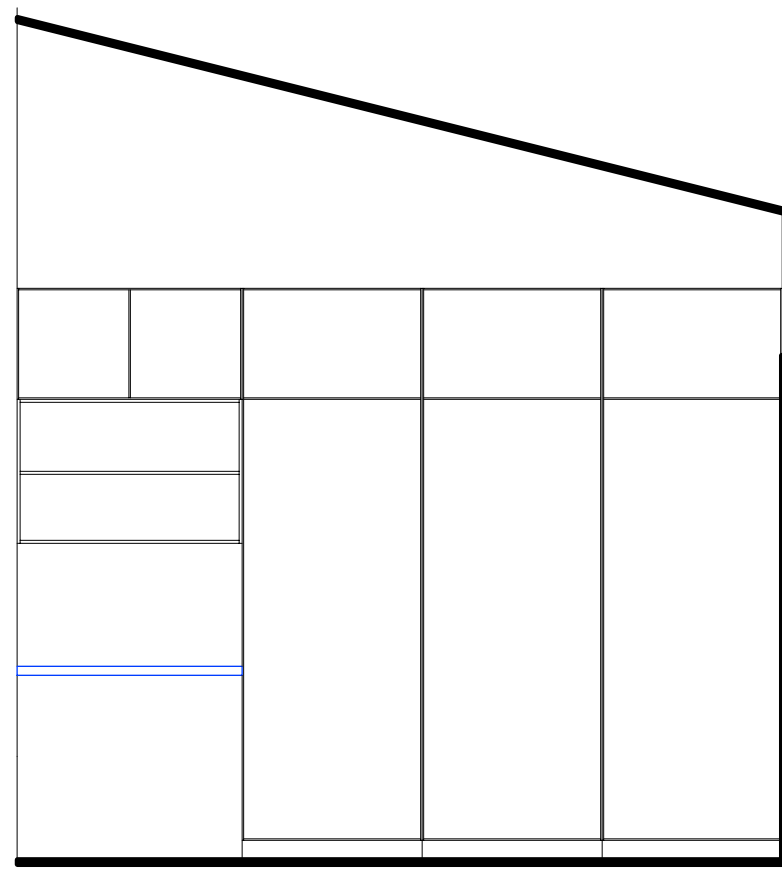
9 Mud Room - 105
Scale: 3/8" = 1'-0"



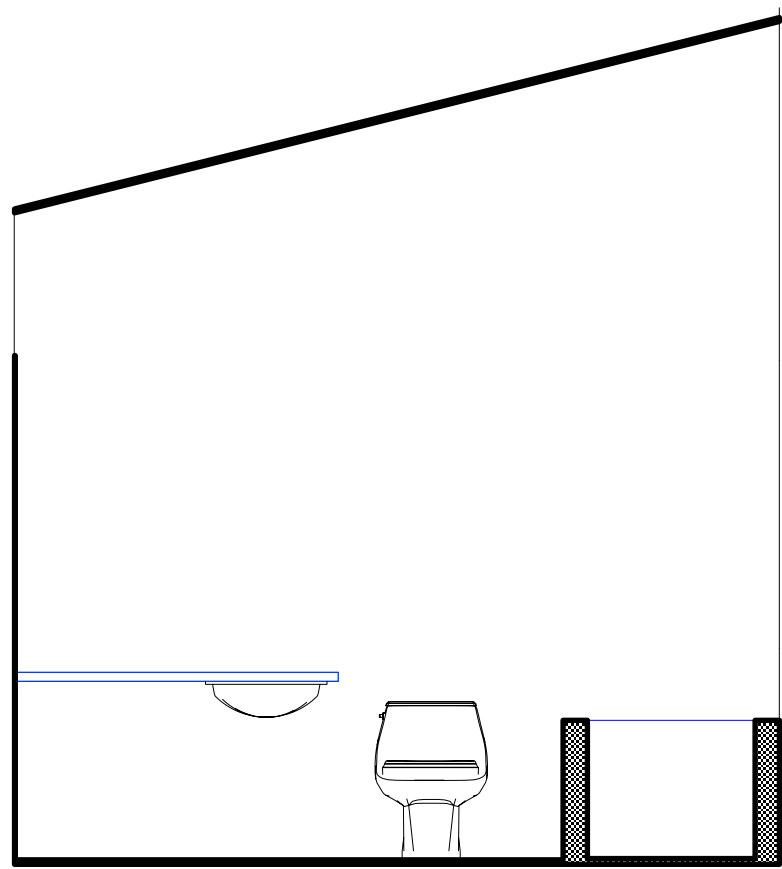
10 Guest Bath - 109
Scale: 3/8" = 1'-0"



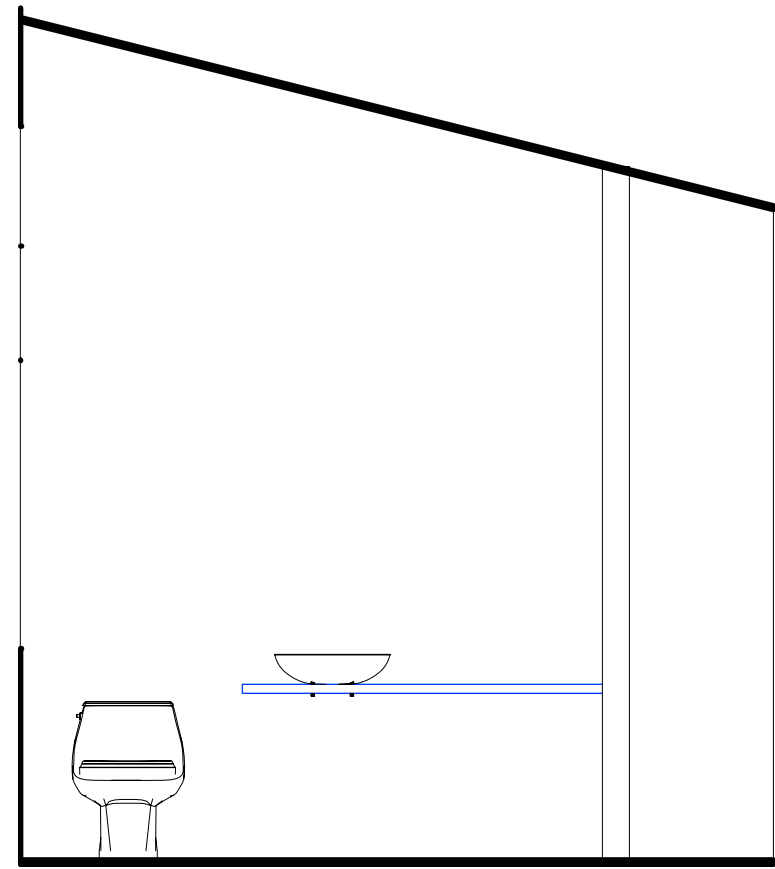
11 Guest Bath - 109
Scale: 3/8" = 1'-0"



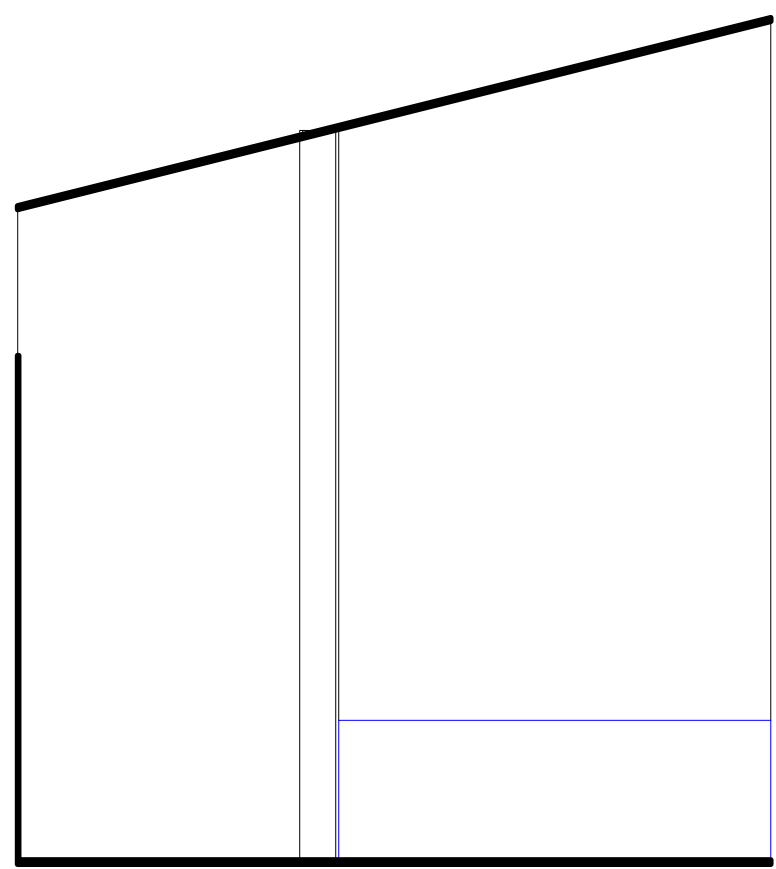
12 Bedroom - 202 & 204
Scale: 3/8" = 1'-0"



13 Bath - 203
Scale: 3/8" = 1'-0"



14 Master Bath - 205
Scale: 3/8" = 1'-0"



15 Master Bath - 205
Scale: 3/8" = 1'-0"