

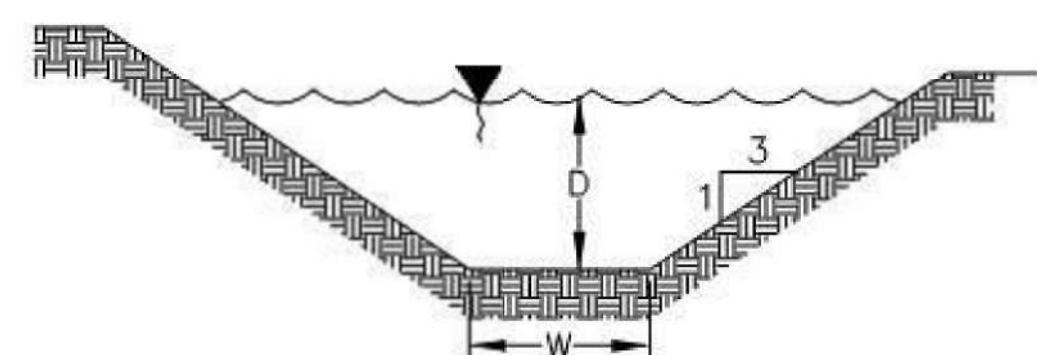
**W.D.O.T. FACILITIES DEVELOPMENT MANUAL
EROSION MAT DESIGN**

Description:

Swale West.

Given:

CHANNEL CROSS SECTION

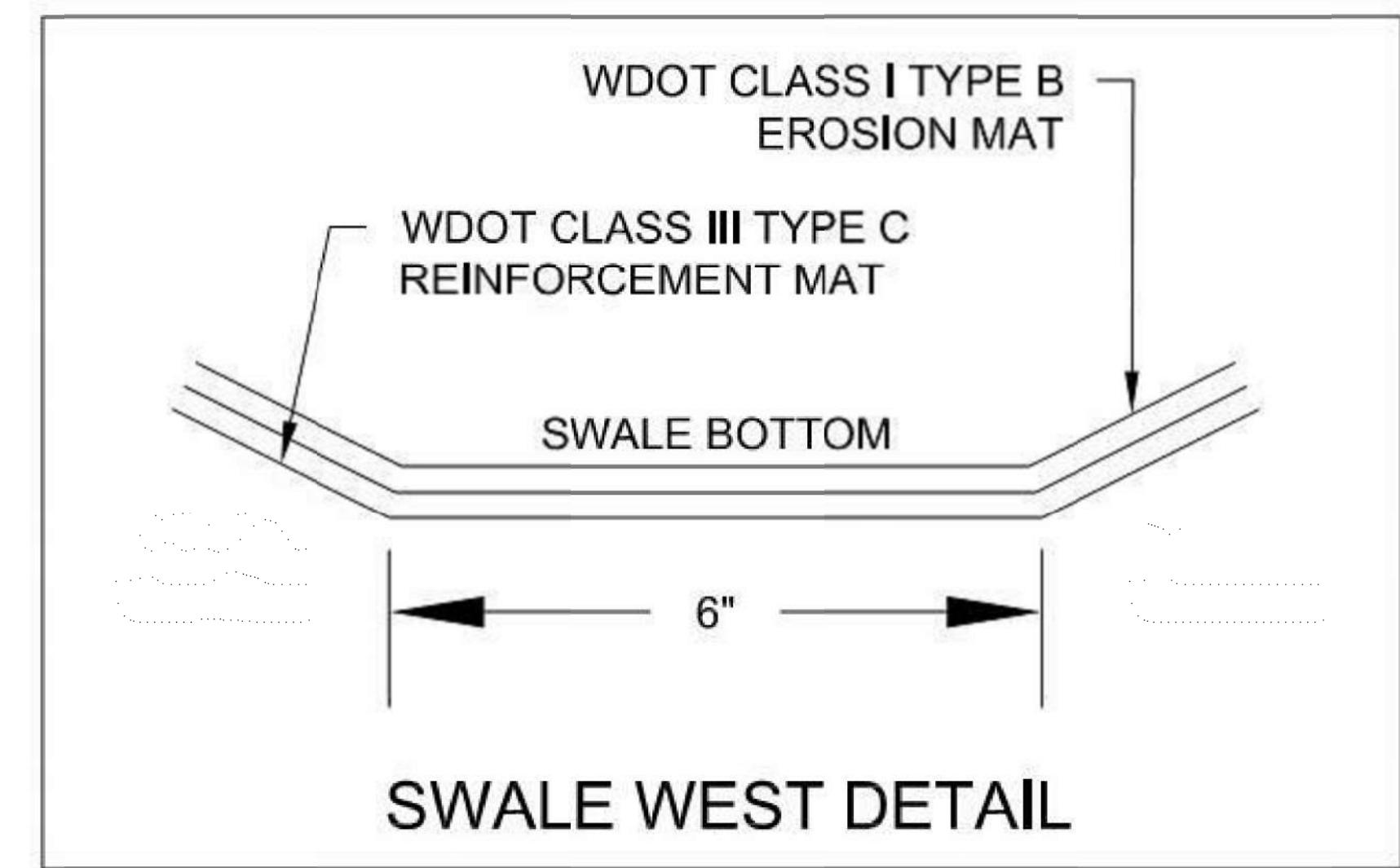


Width (W) = 0.5 feet
Depth (D) = 0.16 feet
Slope (s) = 0.223 ft/ft

Calculate maximum shear stress in the swale, τ_m :

$$\tau_m = \gamma ds = (62.4 \text{ lb/ft}^2)(0.16 \text{ ft})(0.223 \text{ ft/ft}) = 2.23 \text{ lb/ft}^2$$

Use WDOT Class I Type B Erosion Mat over Class III Type C reinforcement. ($3.5 > 2.23 \text{ lb/ft}^2$)
(Per FDM 10-5 Attachment 35.1 Channel Erosion Matrix)

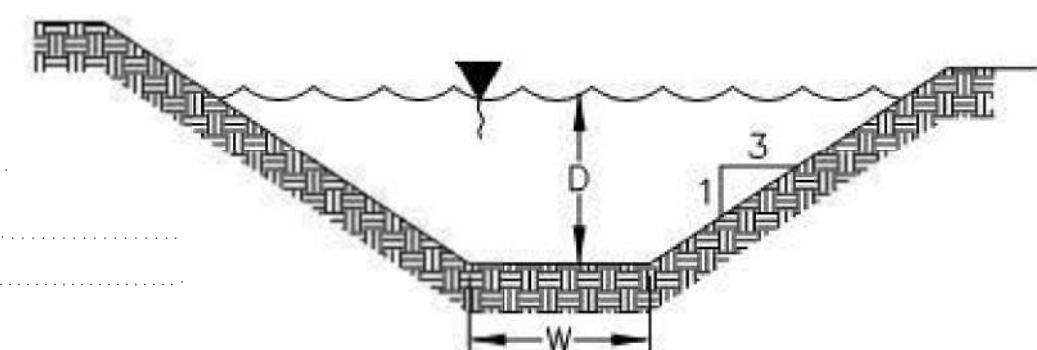


Description:

Swale East

Given:

CHANNEL CROSS SECTION

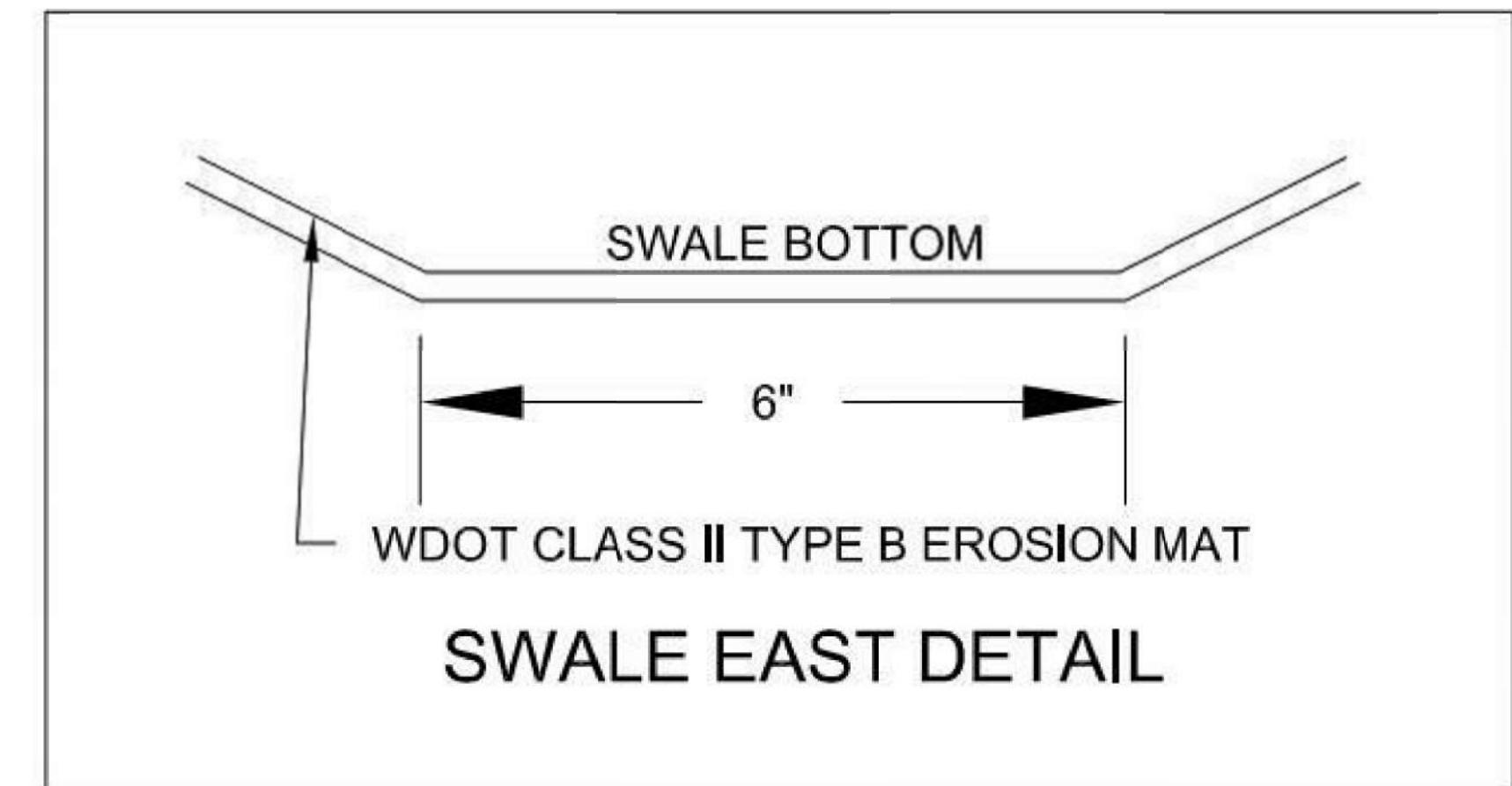


Width (W) = 0.5 feet
Depth (D) = 0.17 feet
Slope (s) = 0.161 ft/ft

Calculate maximum shear stress in the swale, τ_m :

$$\tau_m = \gamma ds = (62.4 \text{ lb/ft}^2)(0.17 \text{ ft})(0.161 \text{ ft/ft}) = 1.69 \text{ lb/ft}^2$$

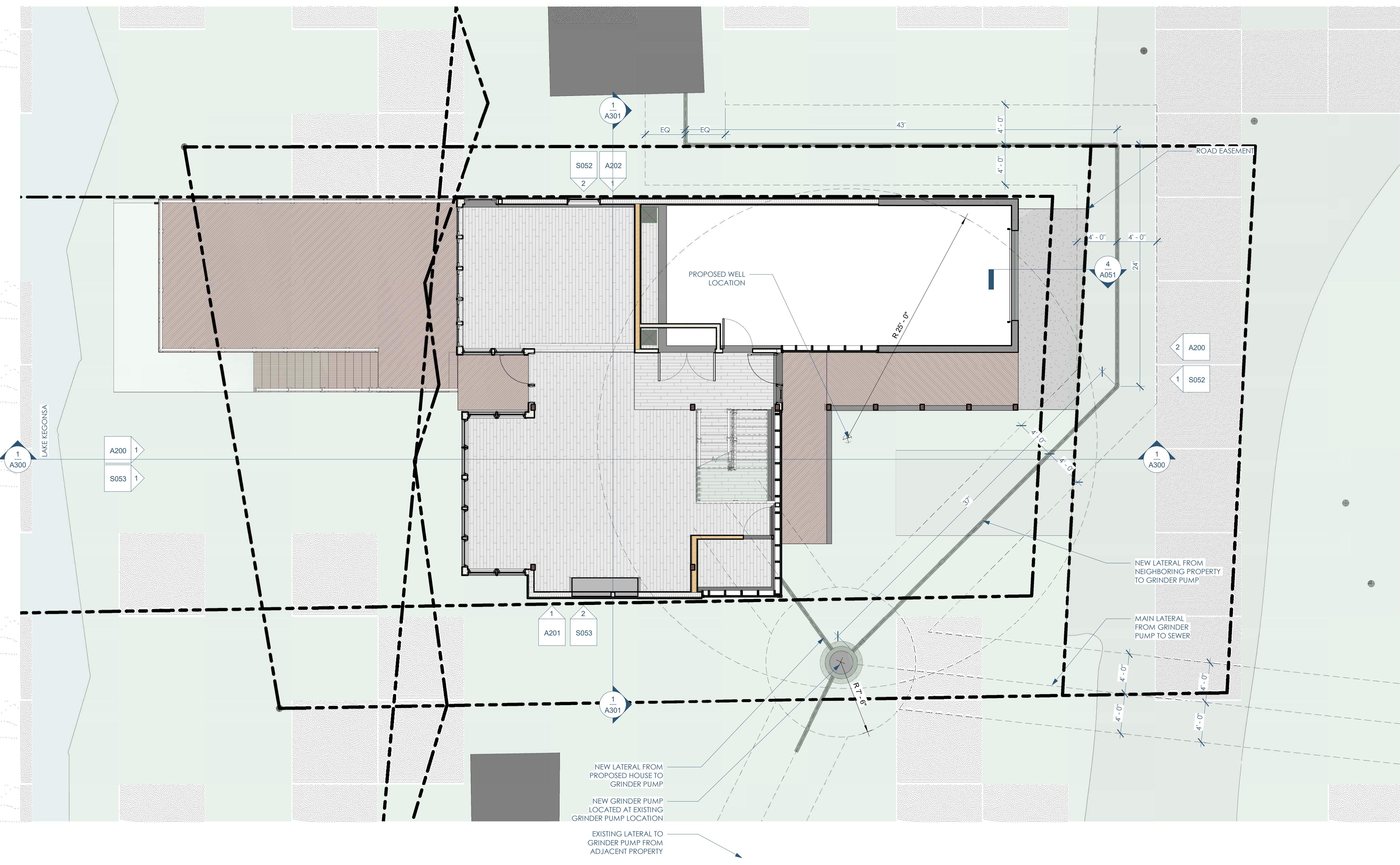
Use WDOT Class II Type B Erosion Mat. ($2.0 > 1.69 \text{ lb/ft}^2$)
(Per FDM 10-5 Attachment 35.1 Channel Erosion Matrix)



Erosion Control and Stormwater Management Report
OD-03-18
10/2/2018

Exhibit 5





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SITE PLAN - GRINDER PUMP LATERALS AND WELL

A060



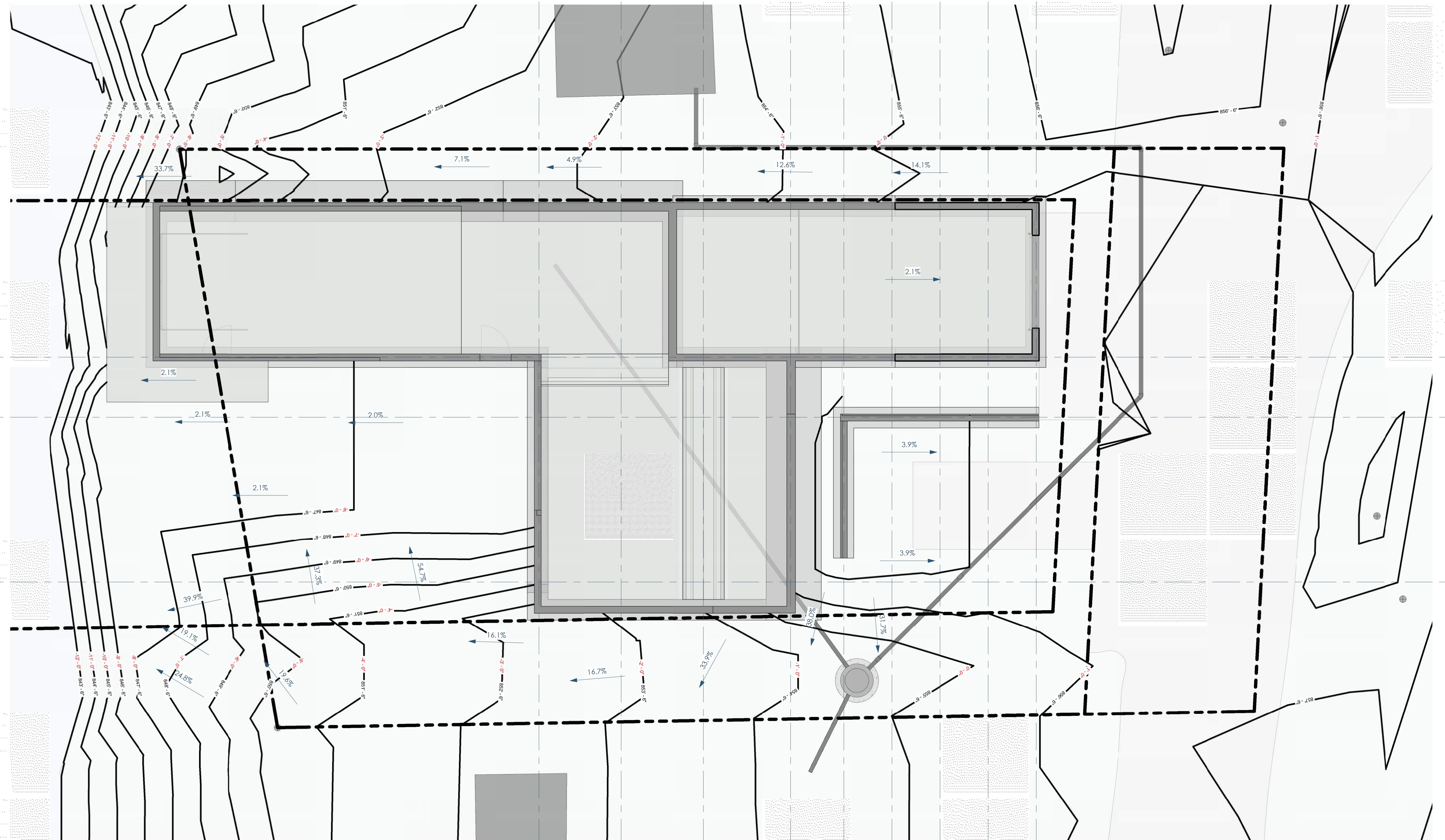
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1 SITE PLAN - TOPOGRAPHY
3/16" = 1'-0"

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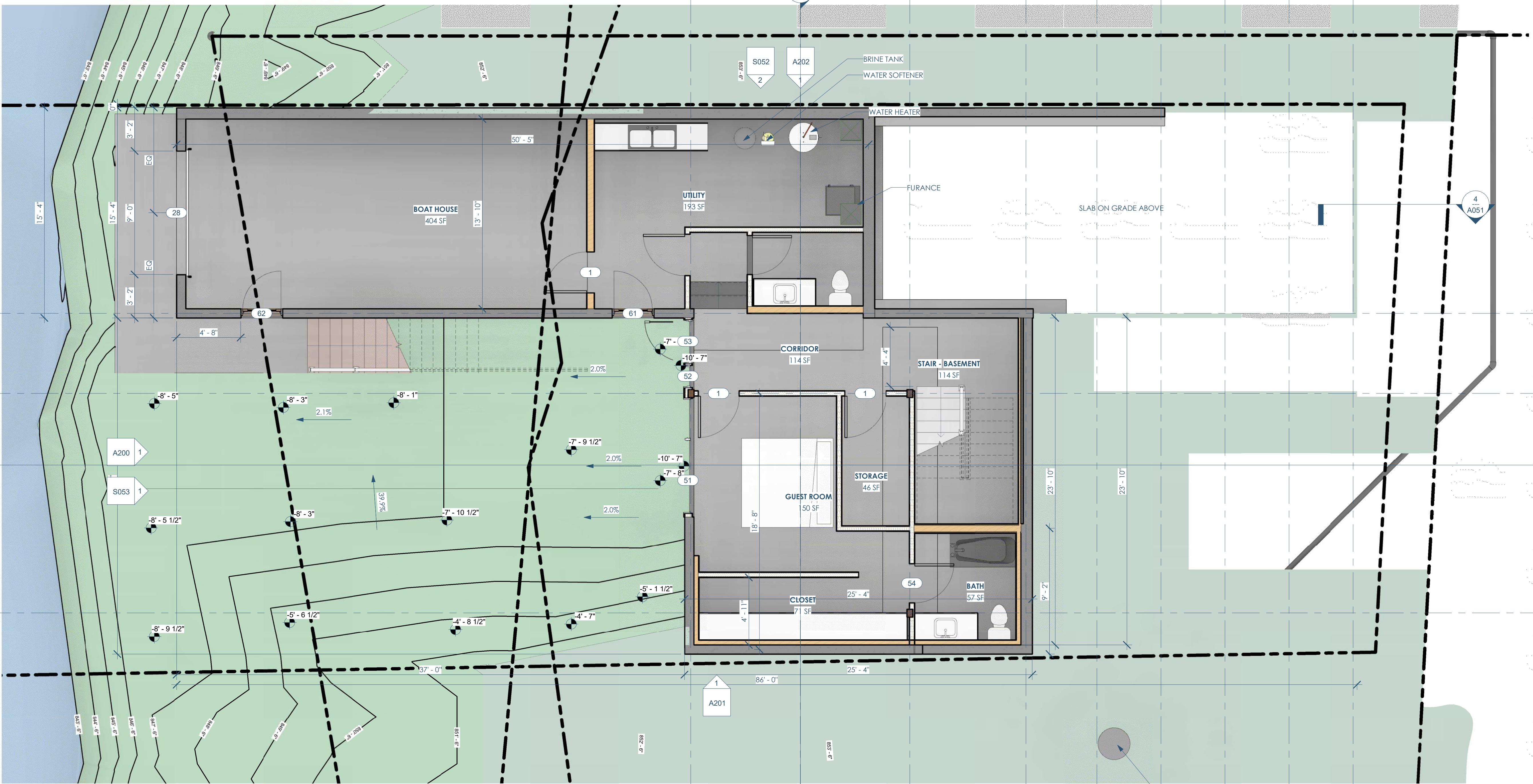
Madison, WI 53703

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SITE PLAN - TOPOGRAPHY ONLY

A070



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3196 AALSETH LN - STOUGHTON WI 53582
FLOOR PLAN - BASEMENT

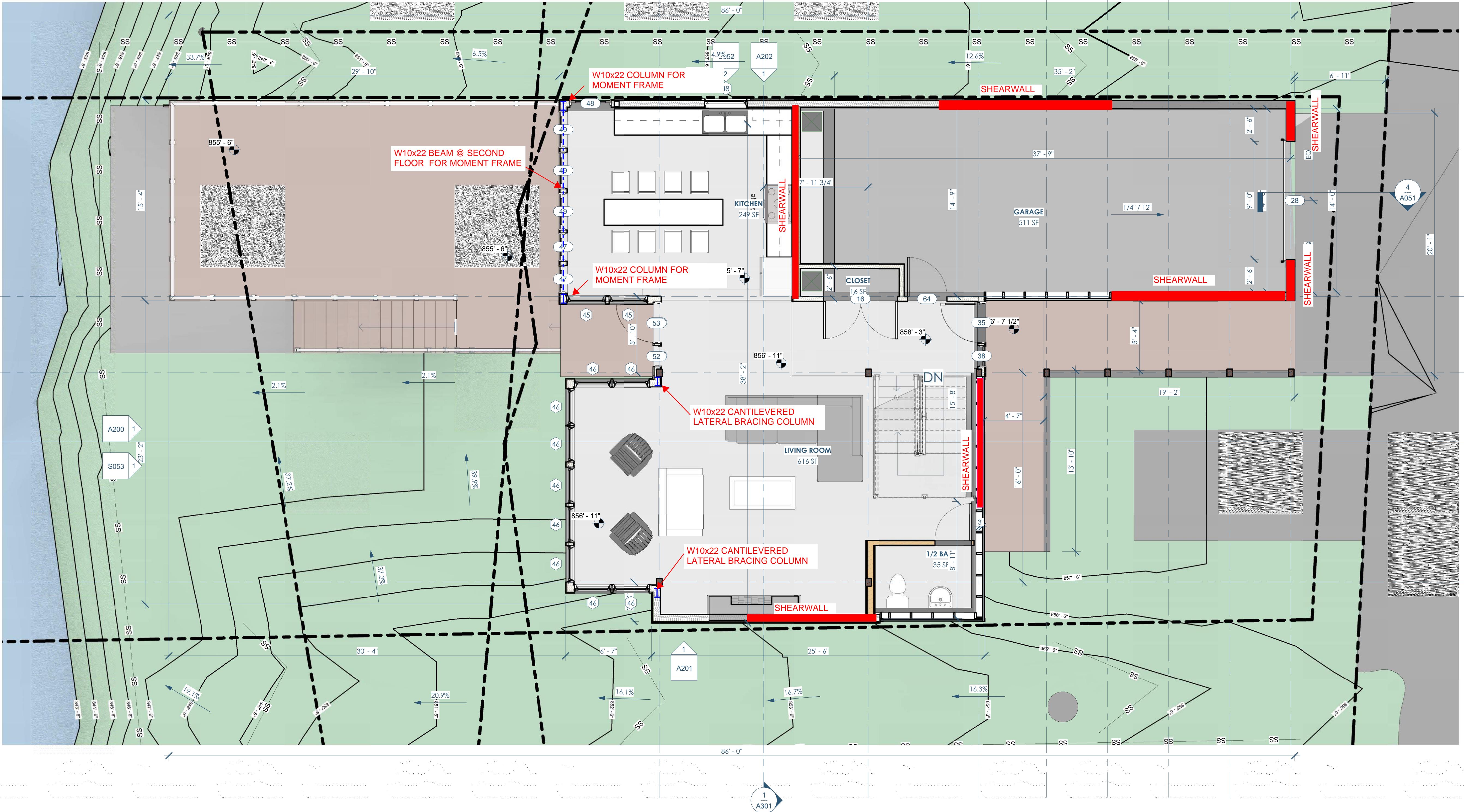
A100



Architect: OpeningDesign

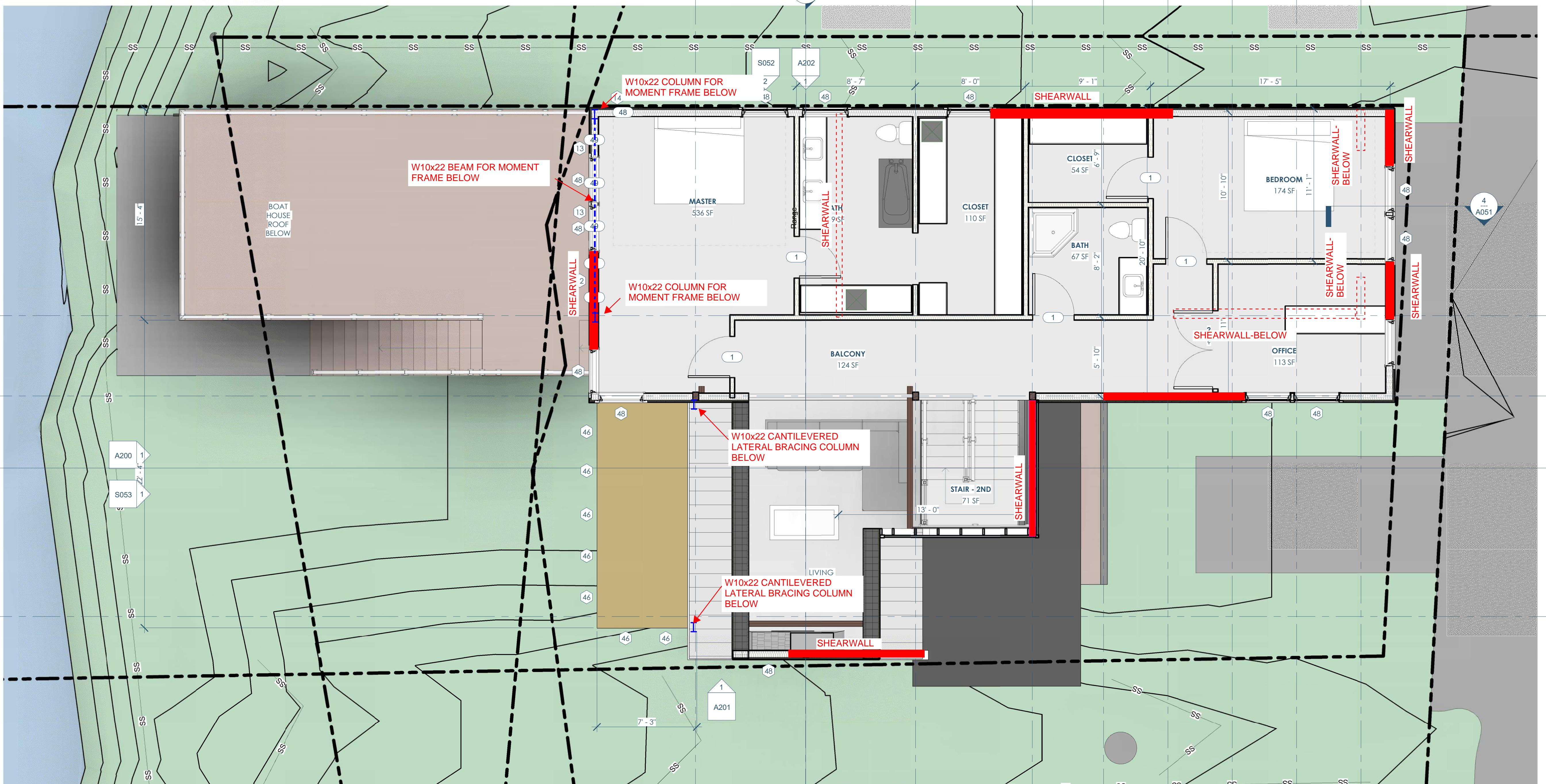
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FLOOR PLANS - 1ST FLOOR



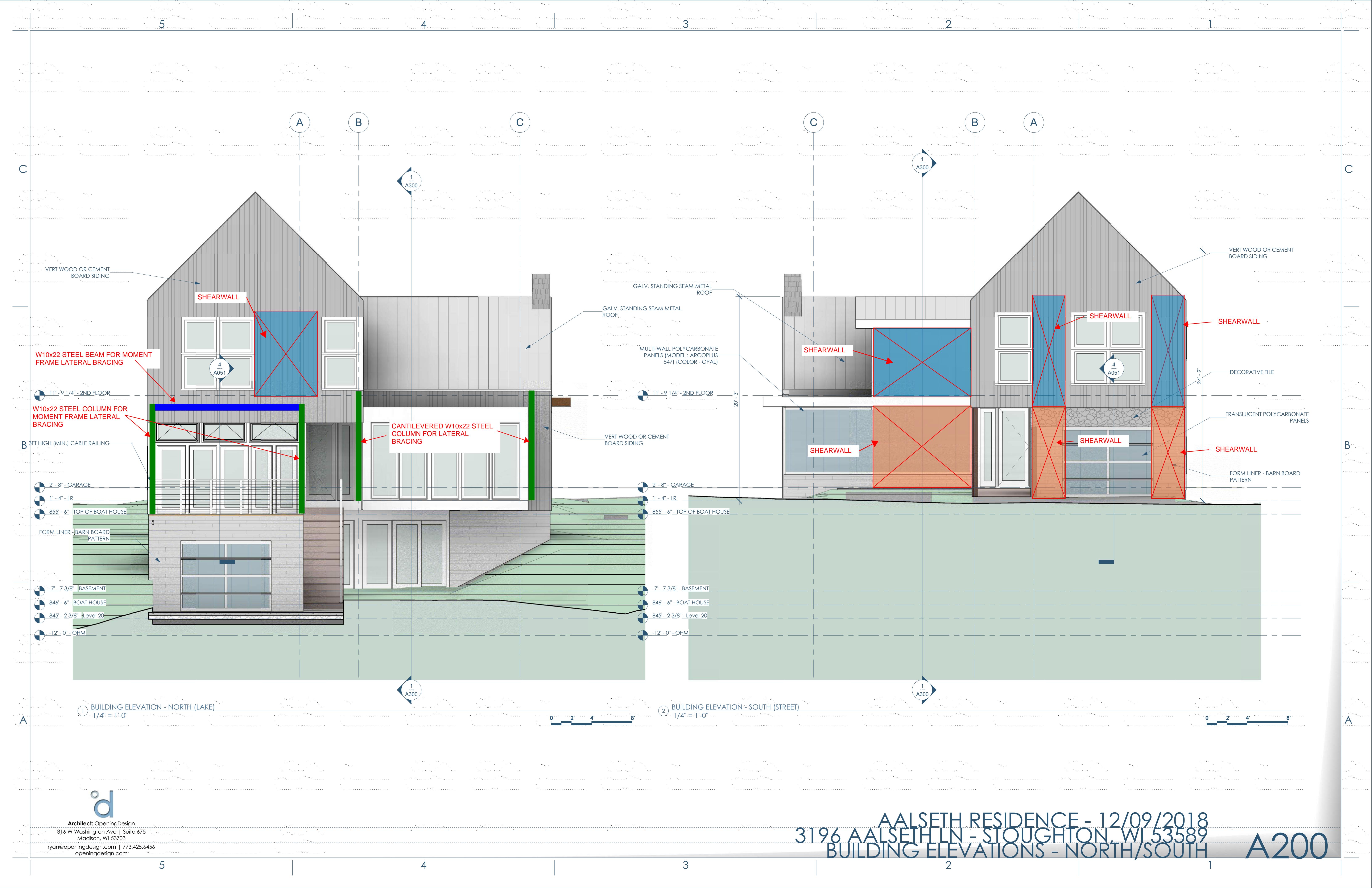


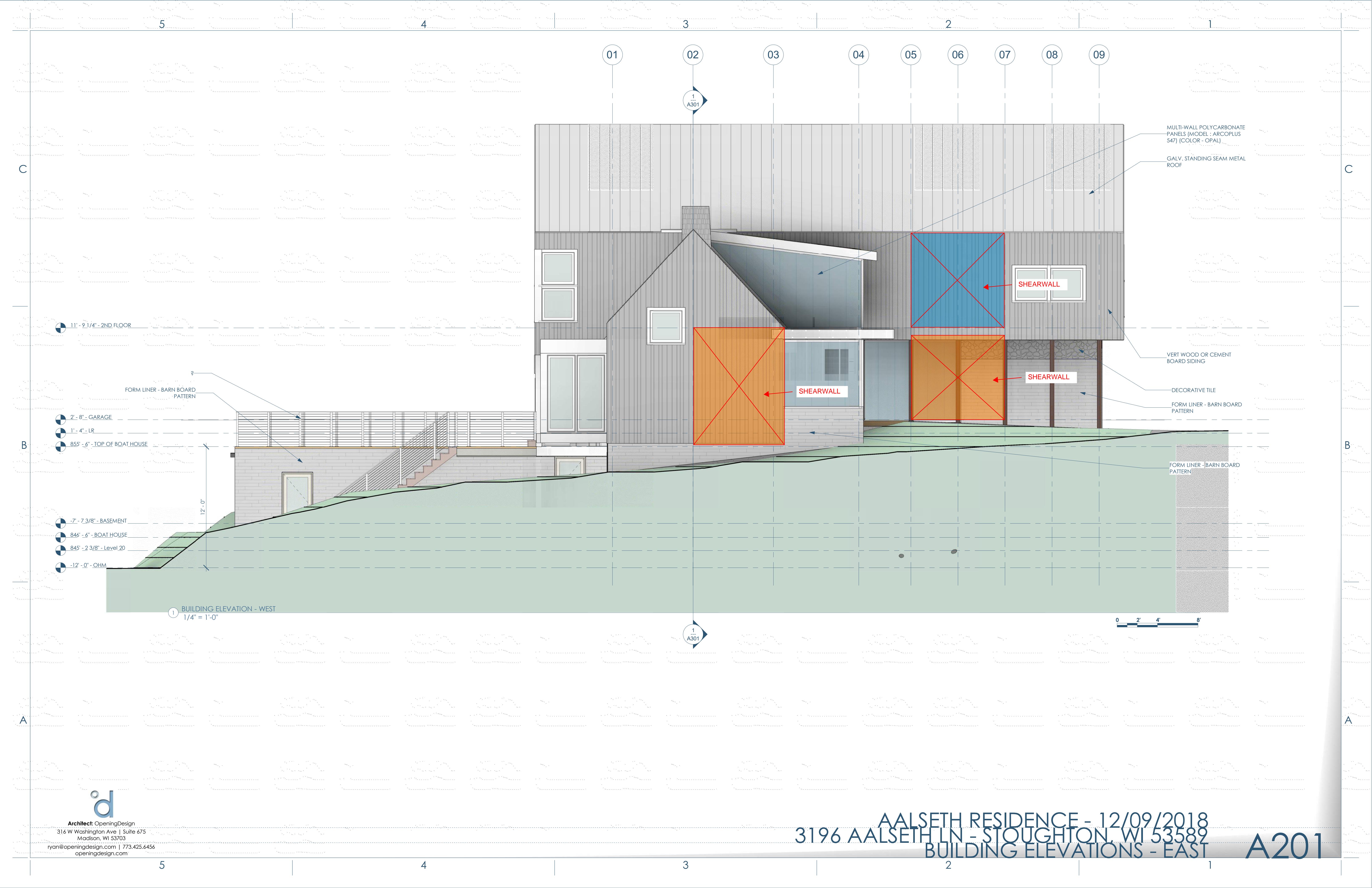
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3196 AALSETH LN - STOUGHTON, WI 53589
FLOOR PLAN - 2ND FLOOR

A102



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A301

GALV. STANDING SEAM METAL ROOF

VERT WOOD OR CEMENT BOARD SIDING

DECORATIVE TILE

11'-9 1/4"-2ND FLOOR

FORM LINER - BARN BOARD PATTERN

2'-8"-GARAGE

1'-4"-LR

855'-6"-TOP OF BOAT HOUSE

-7'-7 3/8"-BASEMENT

846'-6"-BOAT HOUSE

845'-2 3/8"-Level 20

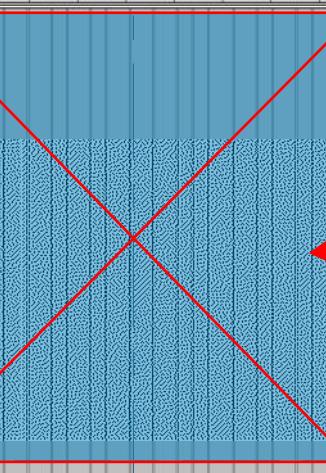
-12'-0"-OHM

BUILDING ELEVATION-EAST (CC)

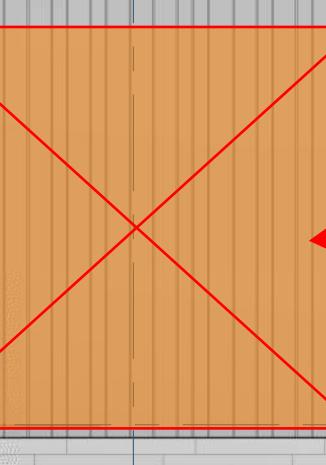
1/4" = 1'-0"

1
A301

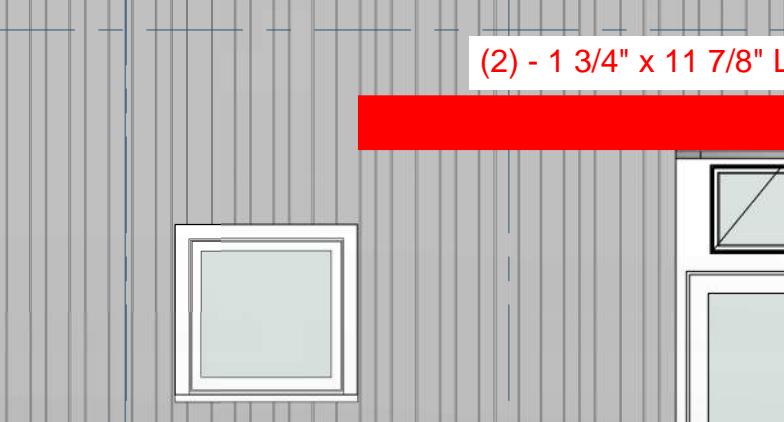
0 2' 4' 8'



SHEARWALL



SHEARWALL



(2) - 1 3/4" x 11 7/8" LVL

GALV. STANDING SEAM METAL ROOF

VERT WOOD OR CEMENT BOARD SIDING

3FT HIGH (MIN.) CABLE RAILING

3FT HIGH (MIN.) CABLE RAILING

FORM LINER - BARN BOARD PATTERN

C

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BUILDING ELEVATION - WEST

A202

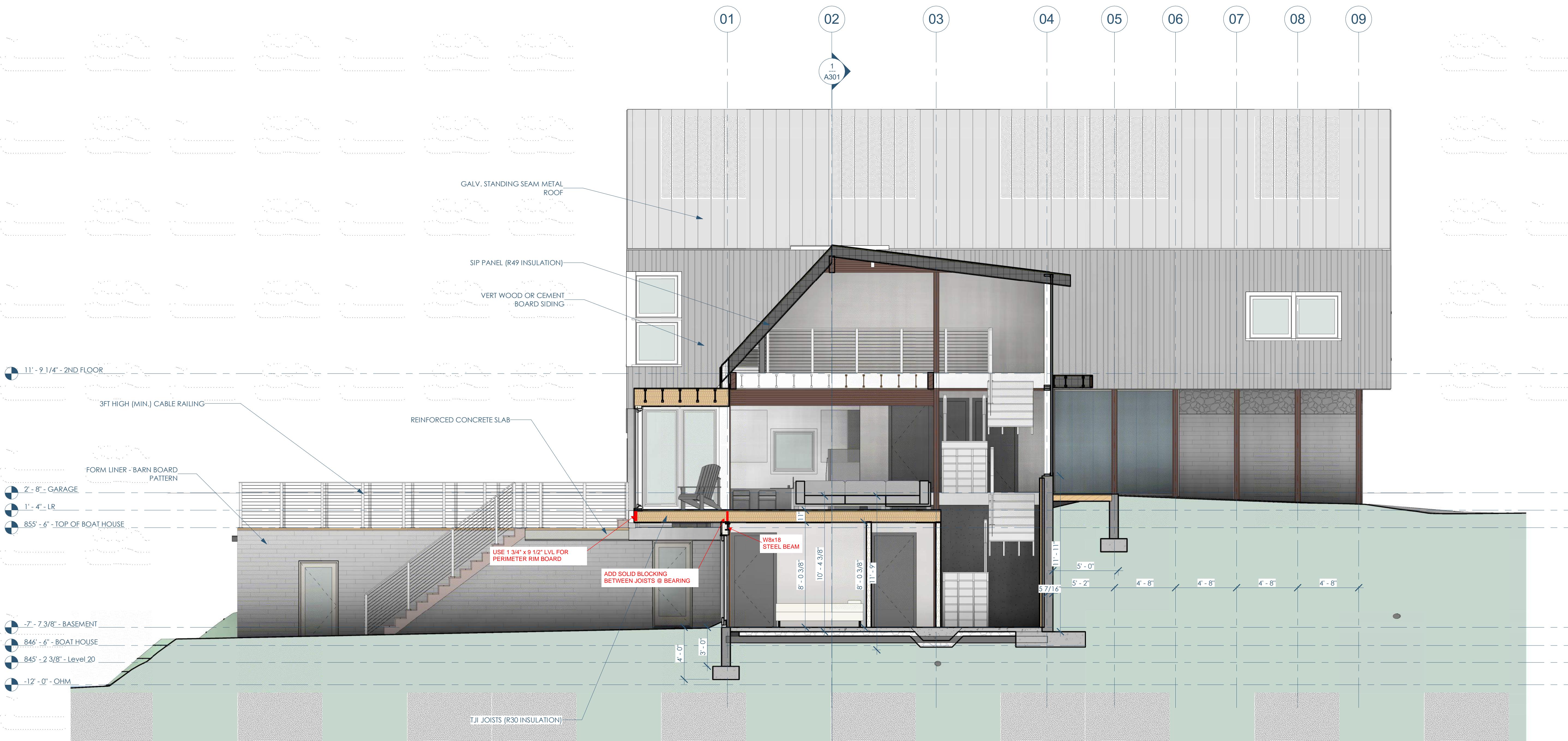
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1 BUILDING SECTION - NORTH/SOUTH - LOOKING EAST
1/4" = 1'-0"

1/4" = 1'-0"

d

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BUILDING SECTION

A300

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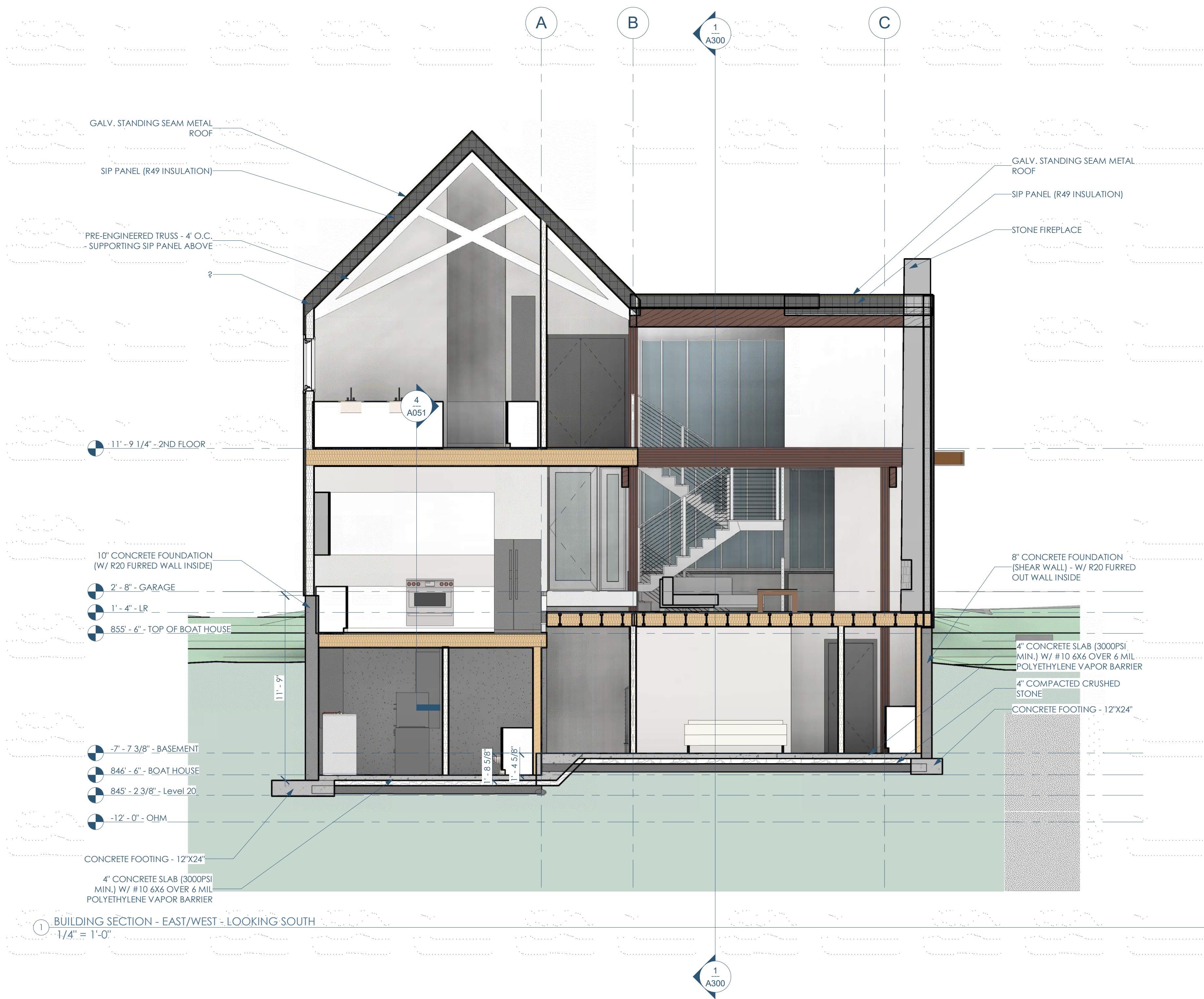
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BUILDING SECTION

A301

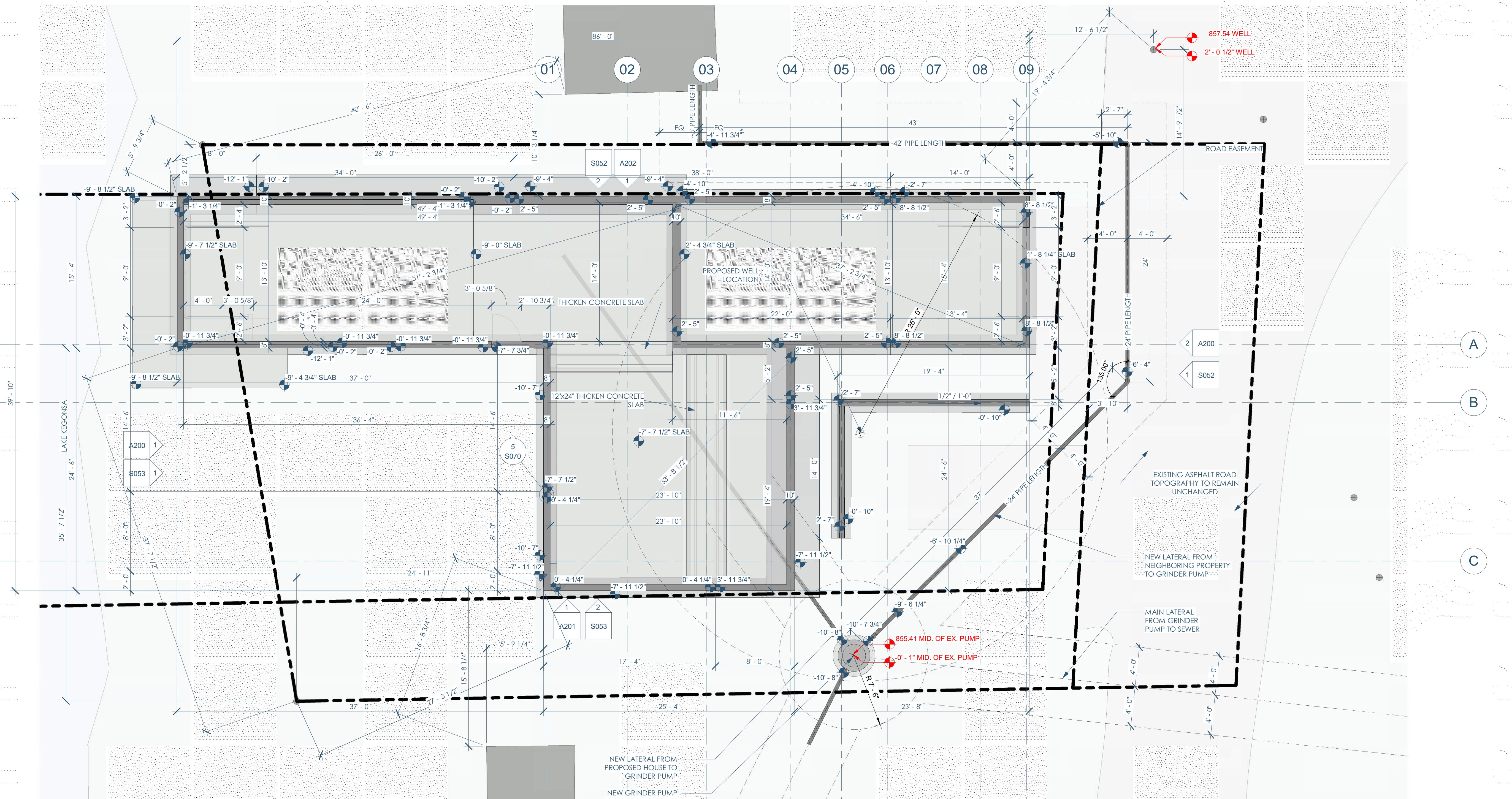
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1 FOUNDATION PLAN 3/16" = 1'-0"

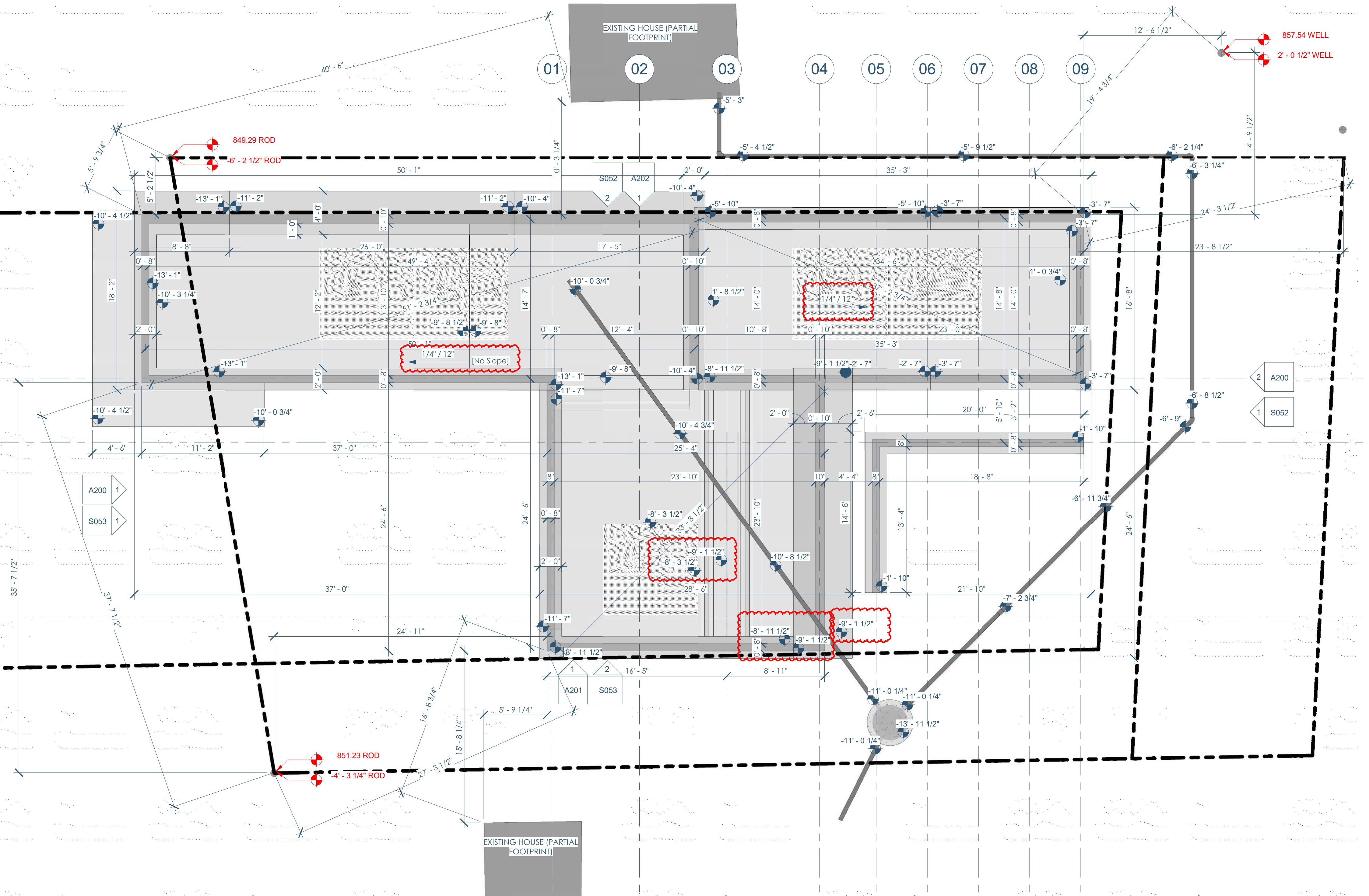
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FOUNDATION PLAN

S050



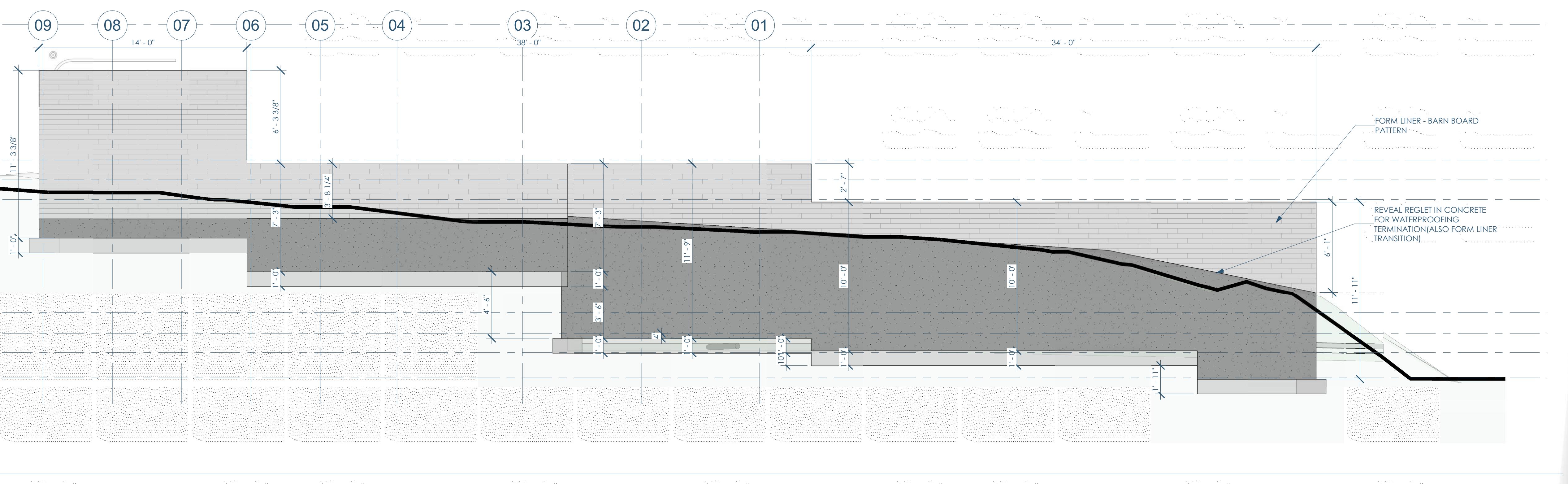
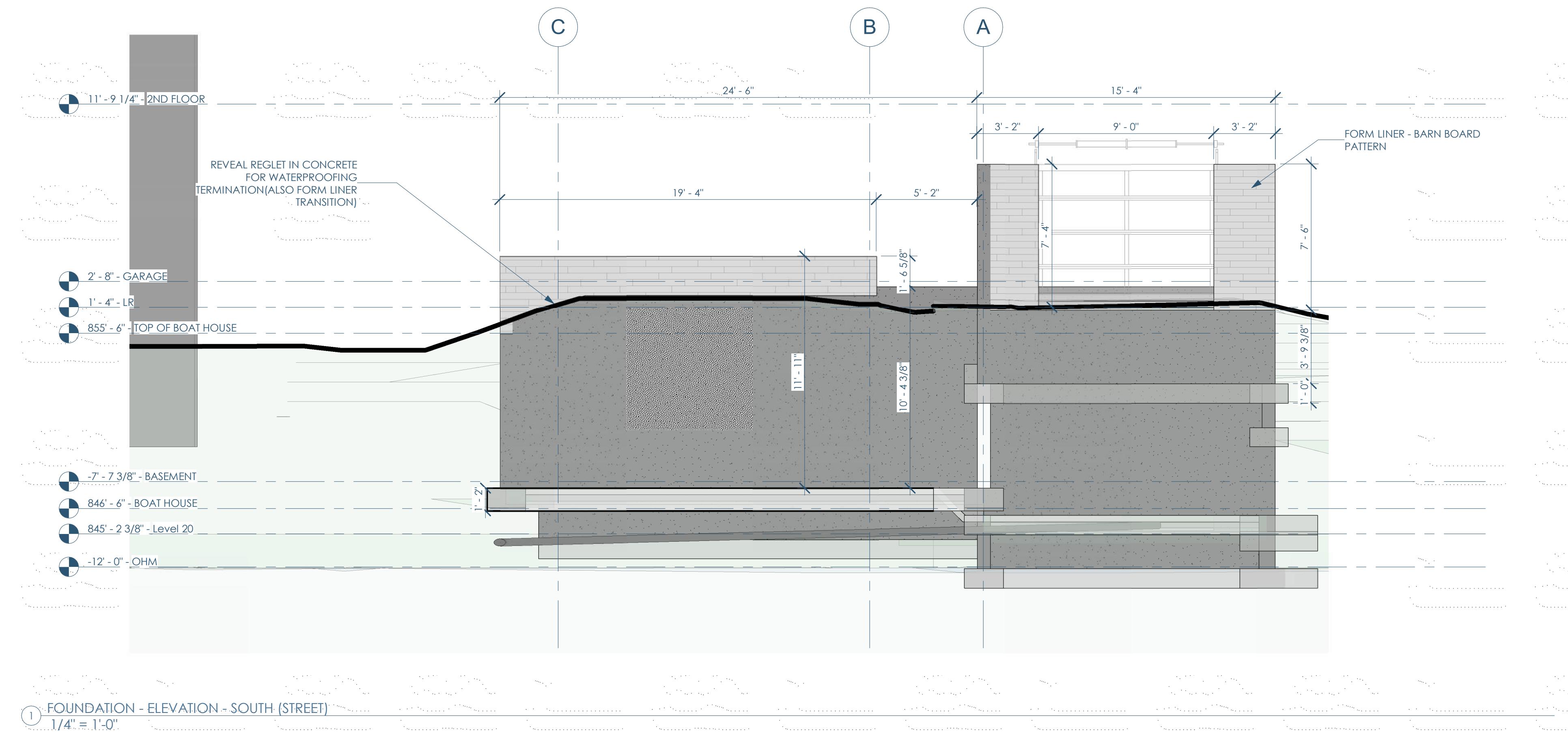
EXCAVATION PLAN



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EXCAVATION PLAN

S051



AALSETH RESIDENCE - 12/09/2018

S052

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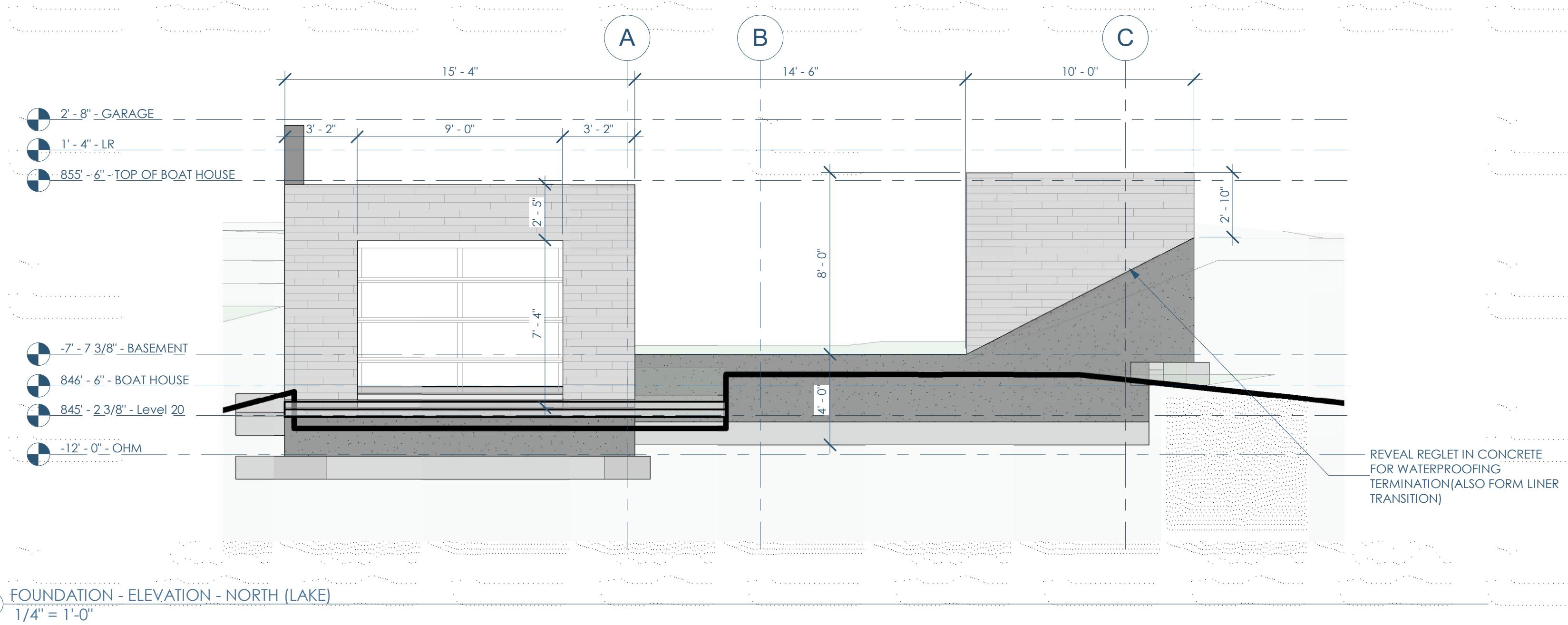
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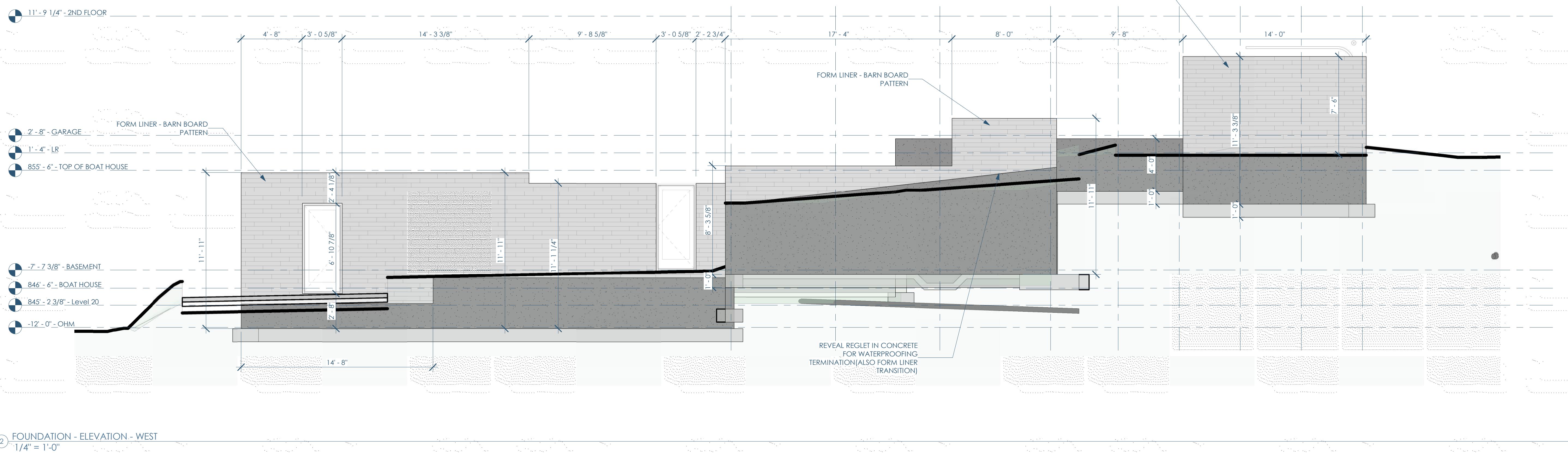
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AALSETH RESIDENCE - 12/09/2018
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FOUNDATION ELEVATIONS - NORTH & WEST

S053

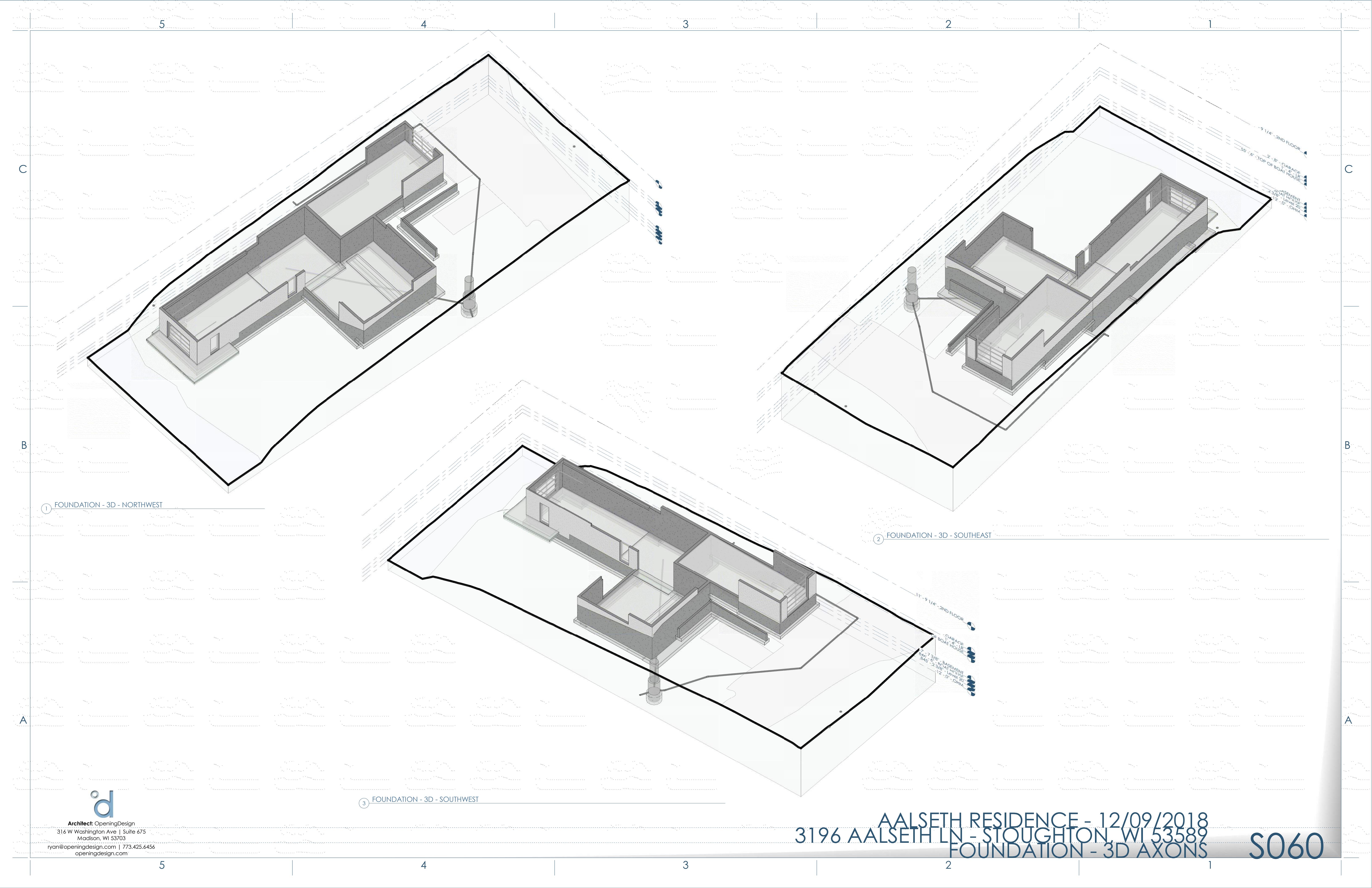
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AALSETH RESIDENCE - 12/09/2018
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FOUNDATION - 3D AXONS

S060

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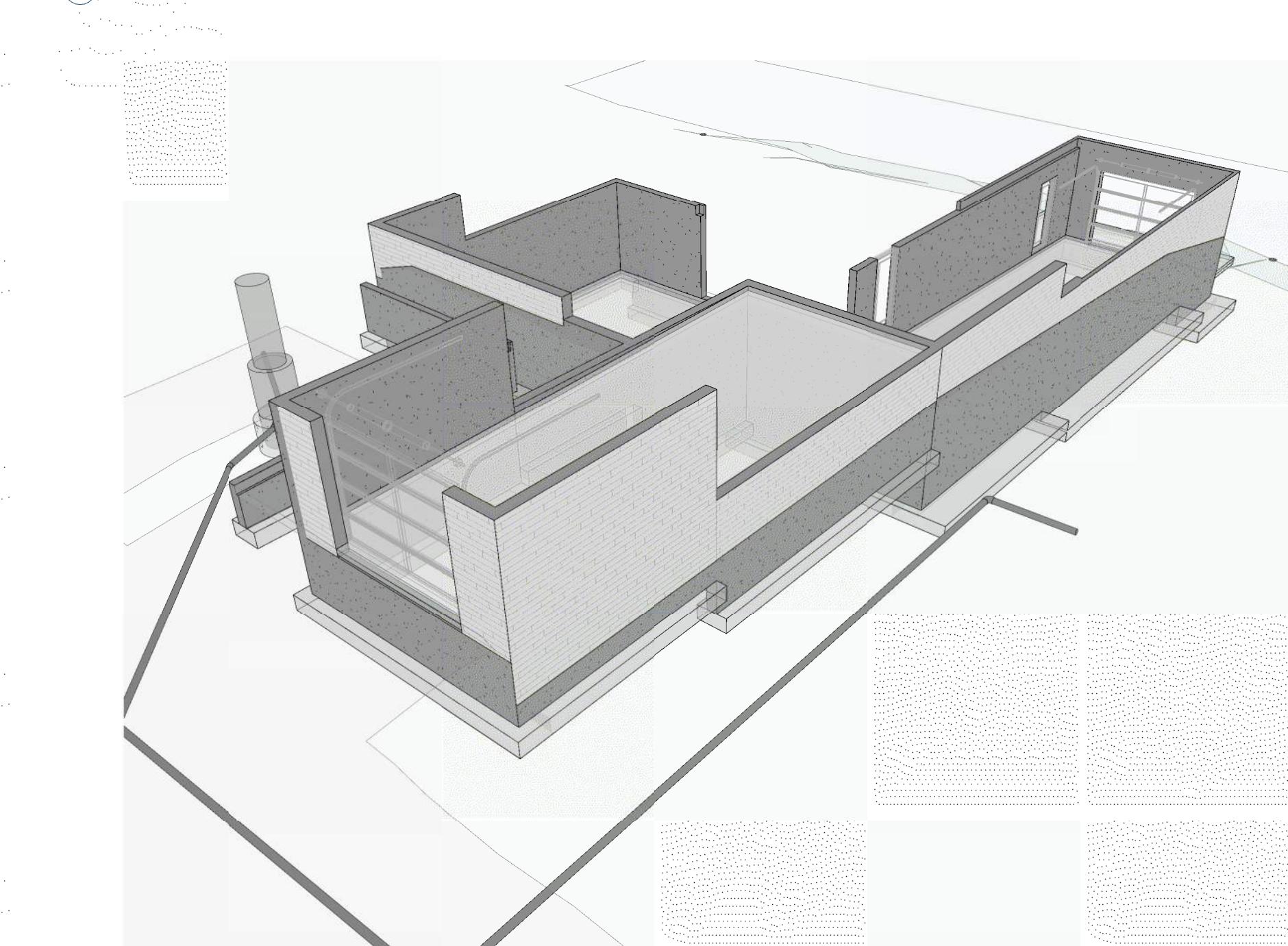
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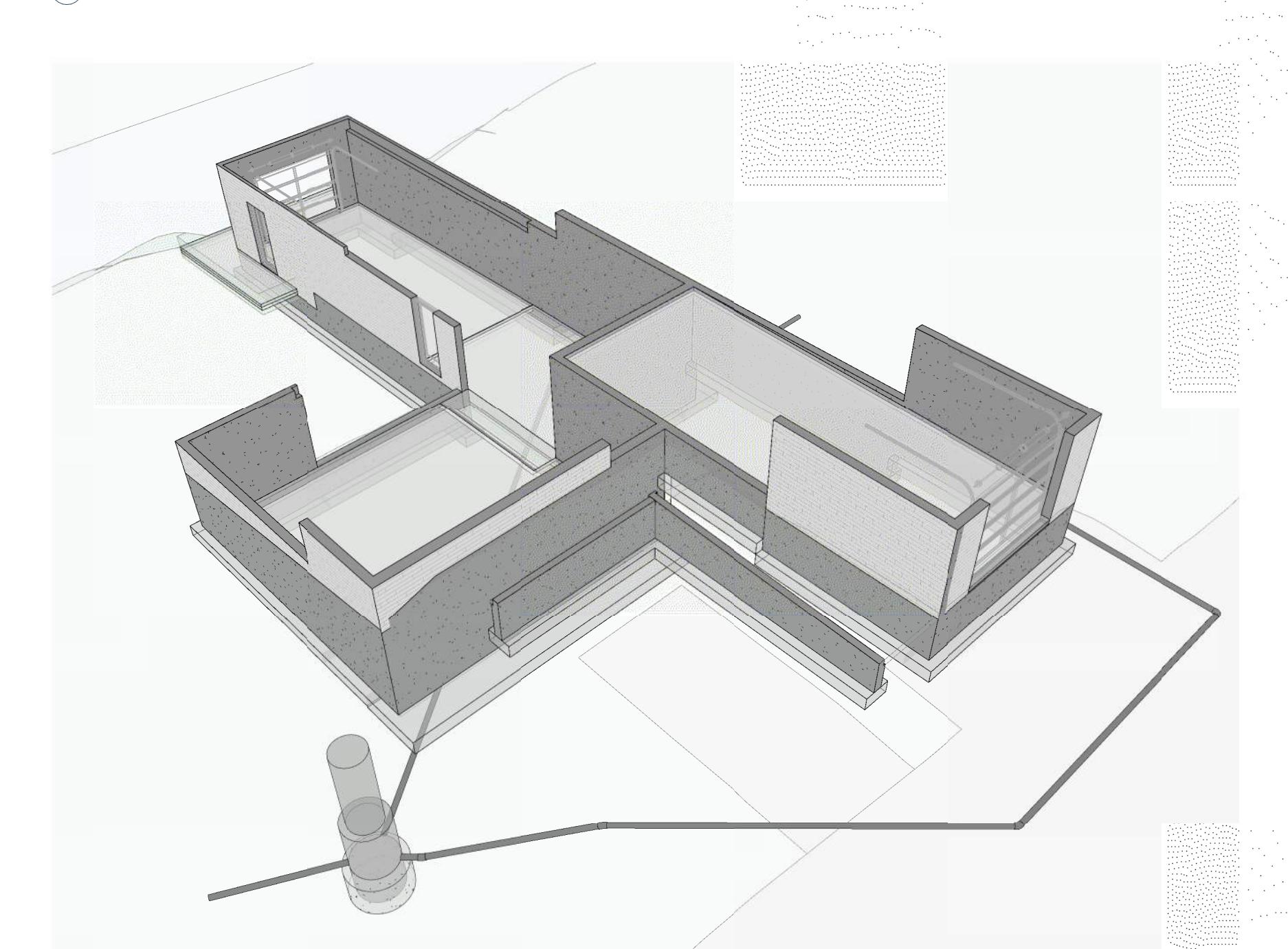
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① FOUNDATION - PERSPECTIVE - 1



② FOUNDATION - PERSPECTIVE - 2



③ FOUNDATION - PERSPECTIVE - 3



④ FOUNDATION - PERSPECTIVE - 4



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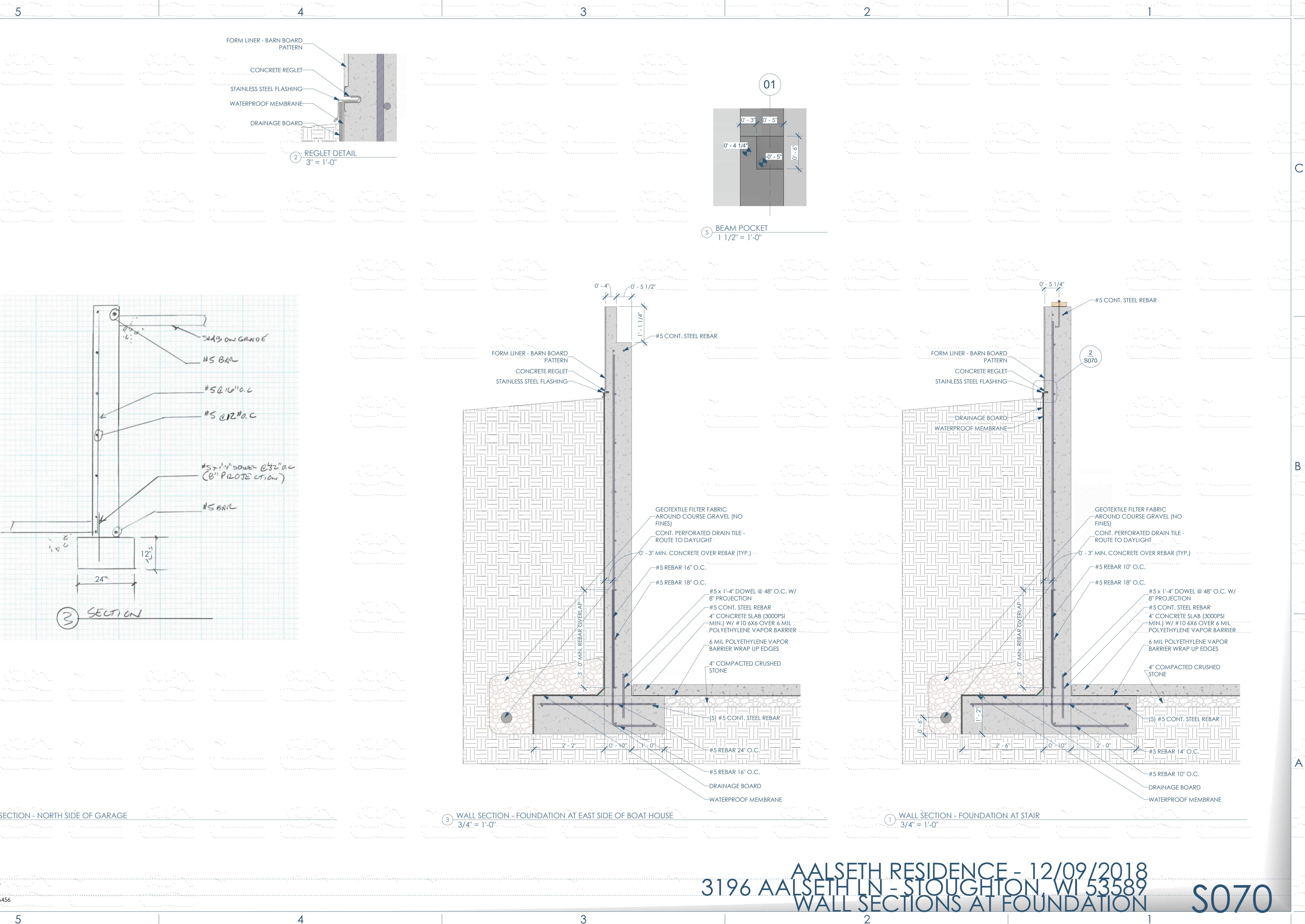
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 3196 AALSETH LN - STOUGHTON, WI 53589
 FOUNDATION - PERSPECTIVES

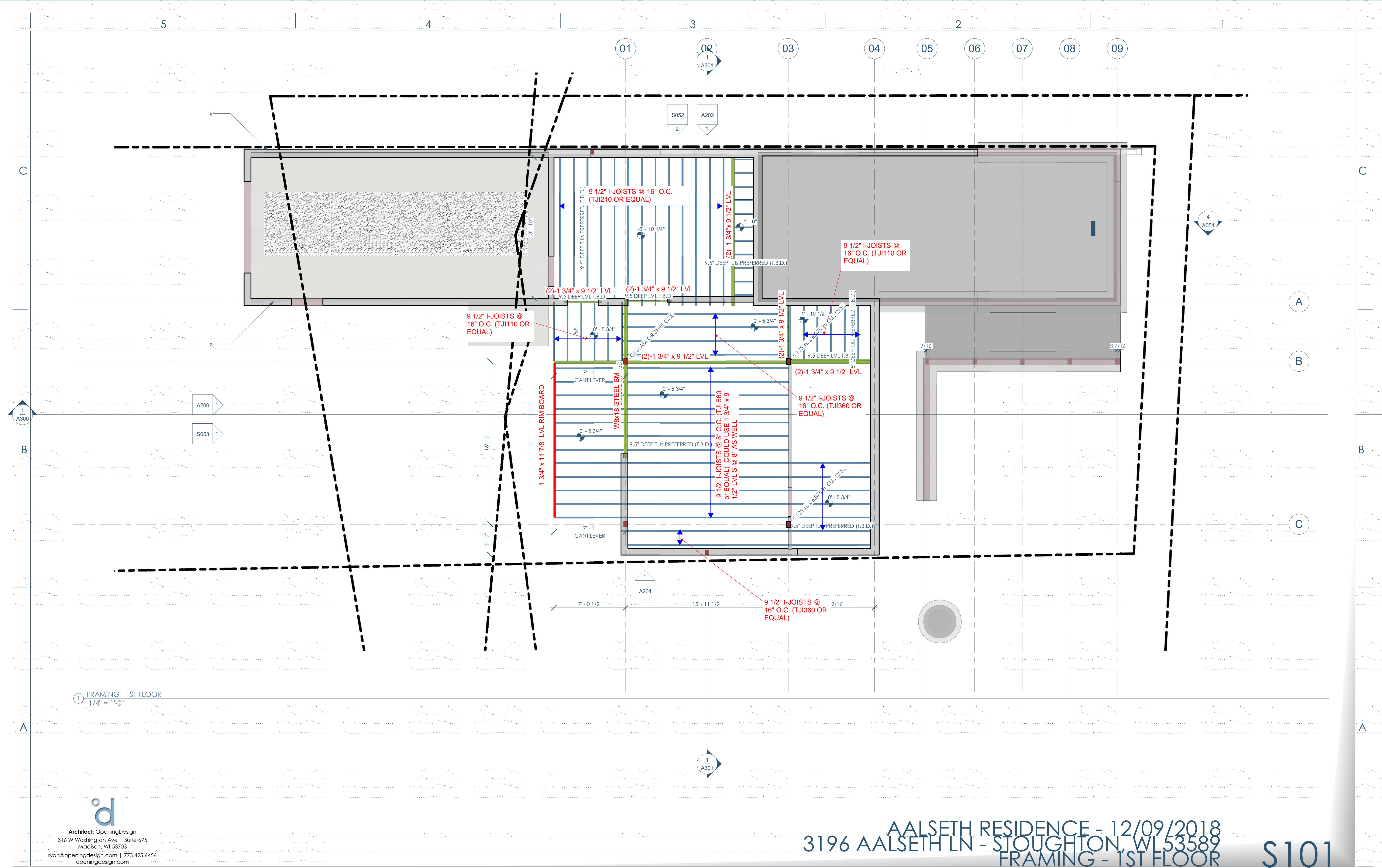
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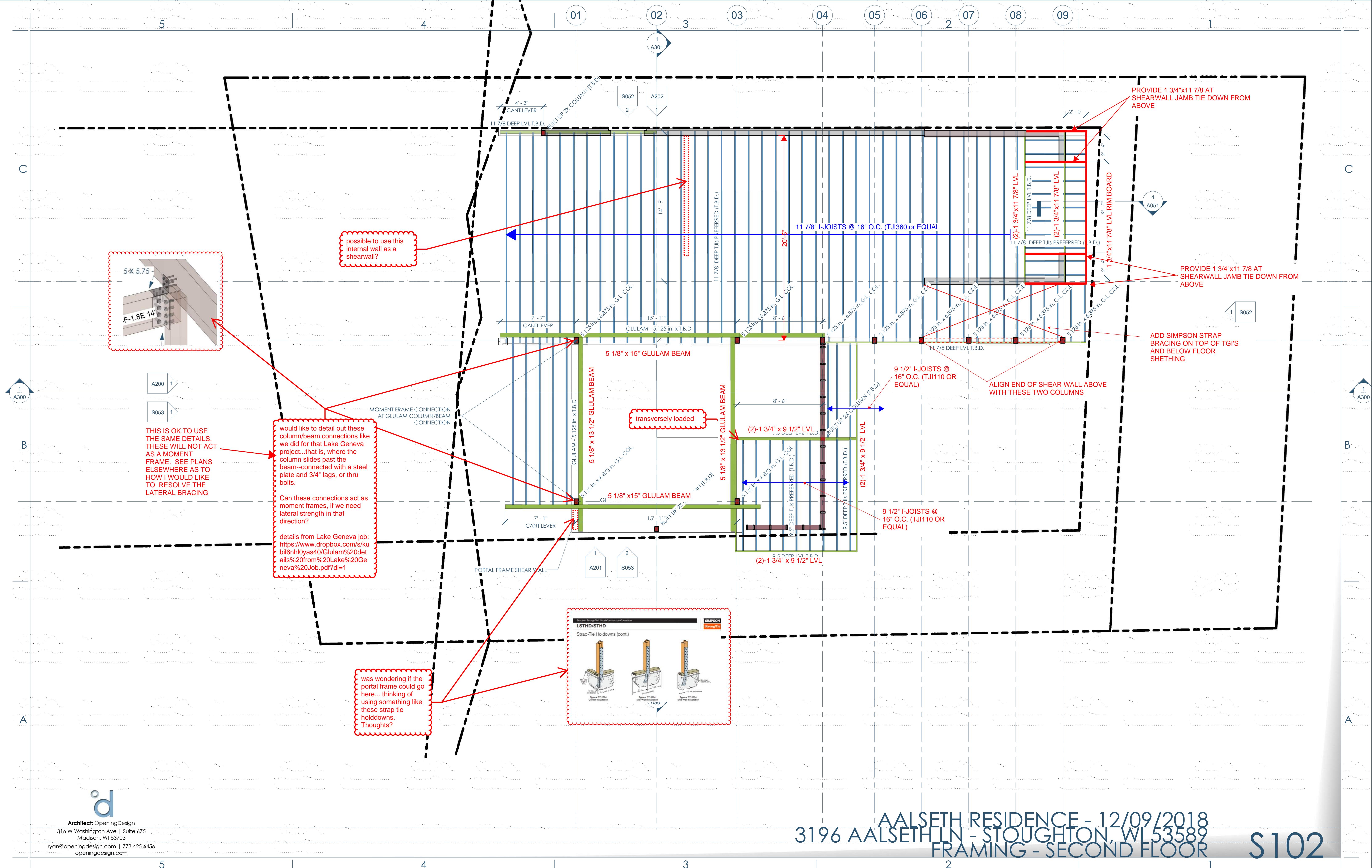


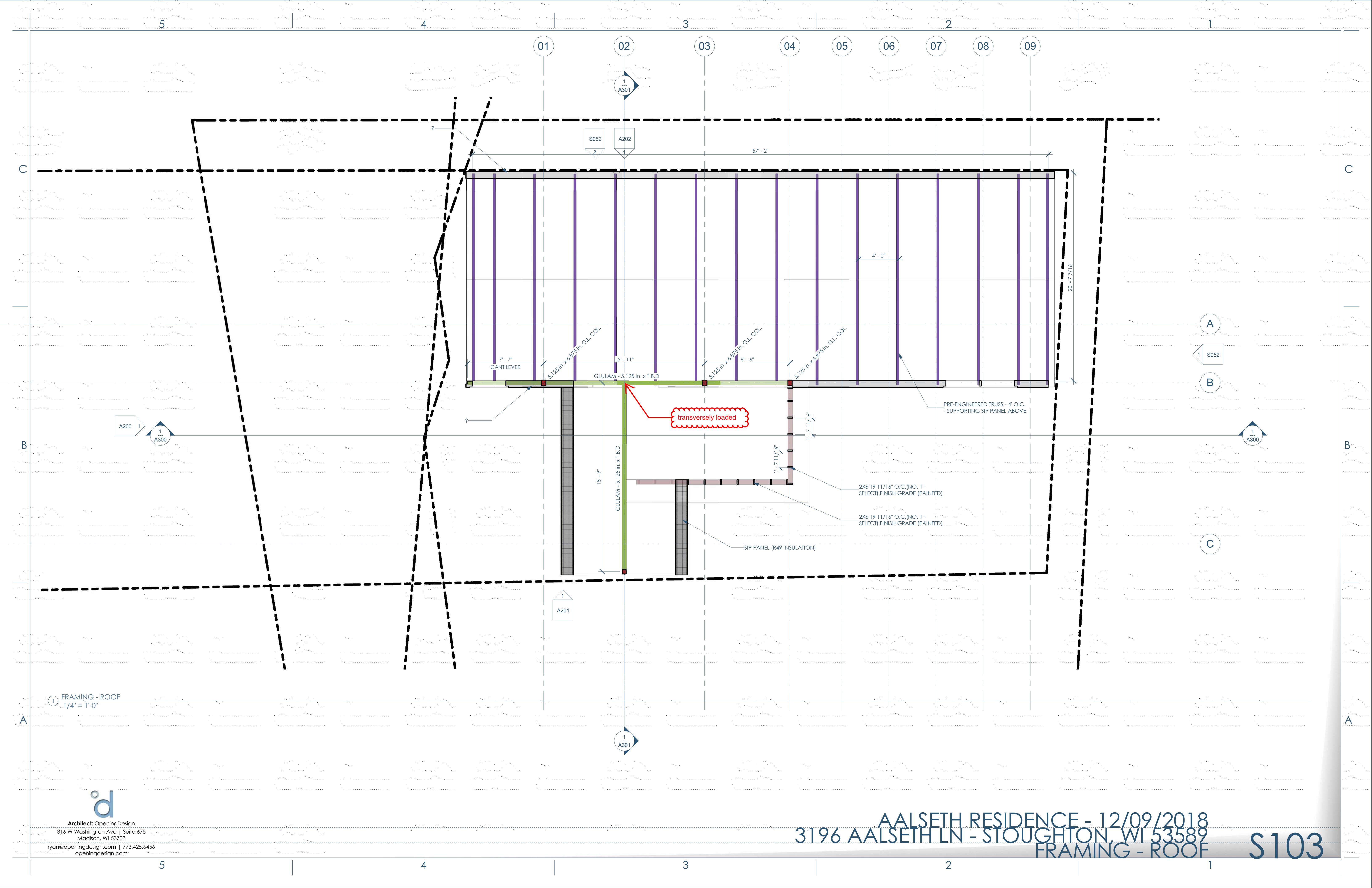
AALSETH RESIDENCE - 12/09/2018
3196 AALSETH LN - STOUGHTON, WI 53589
WALL SECTIONS AT FOUNDATION

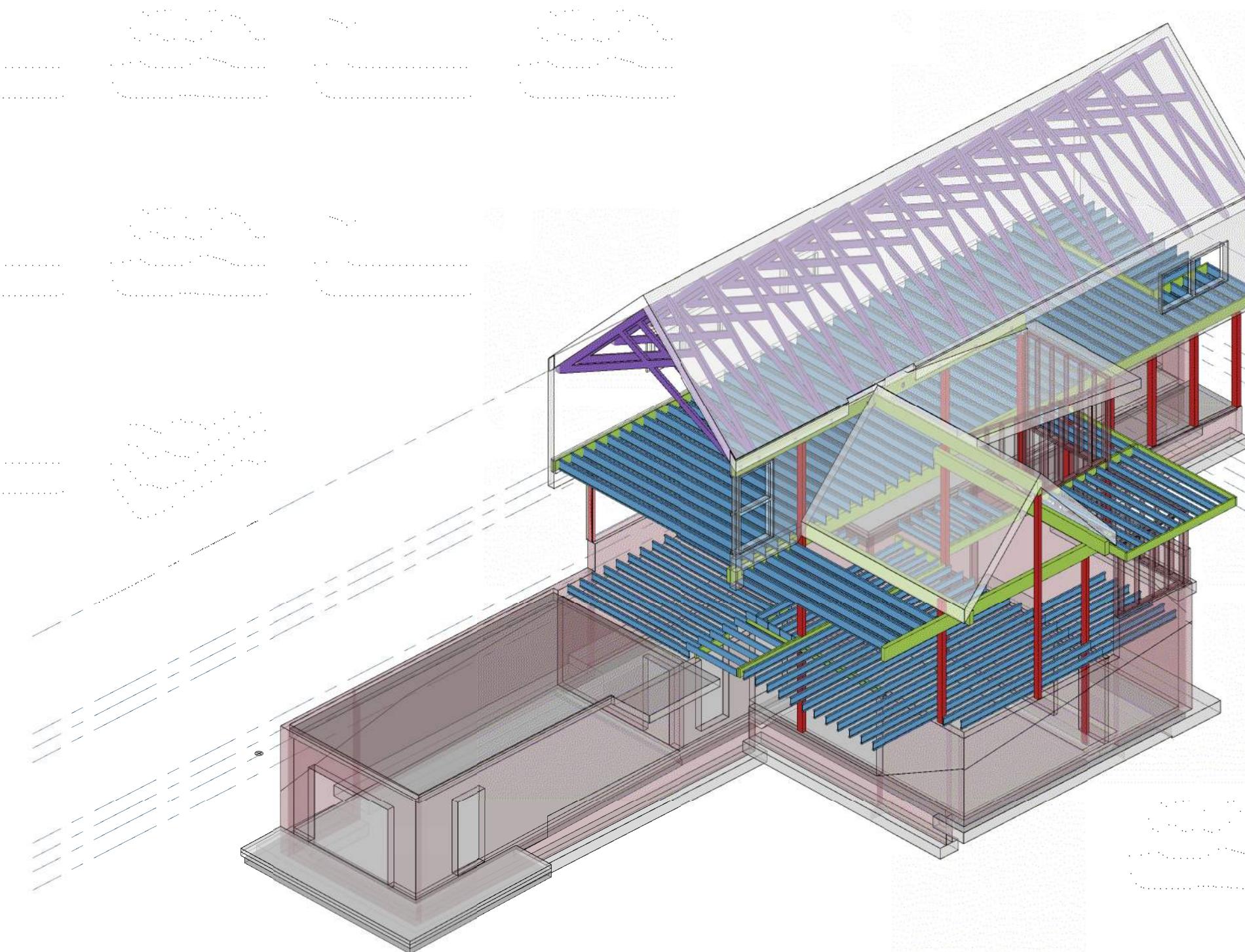
S070



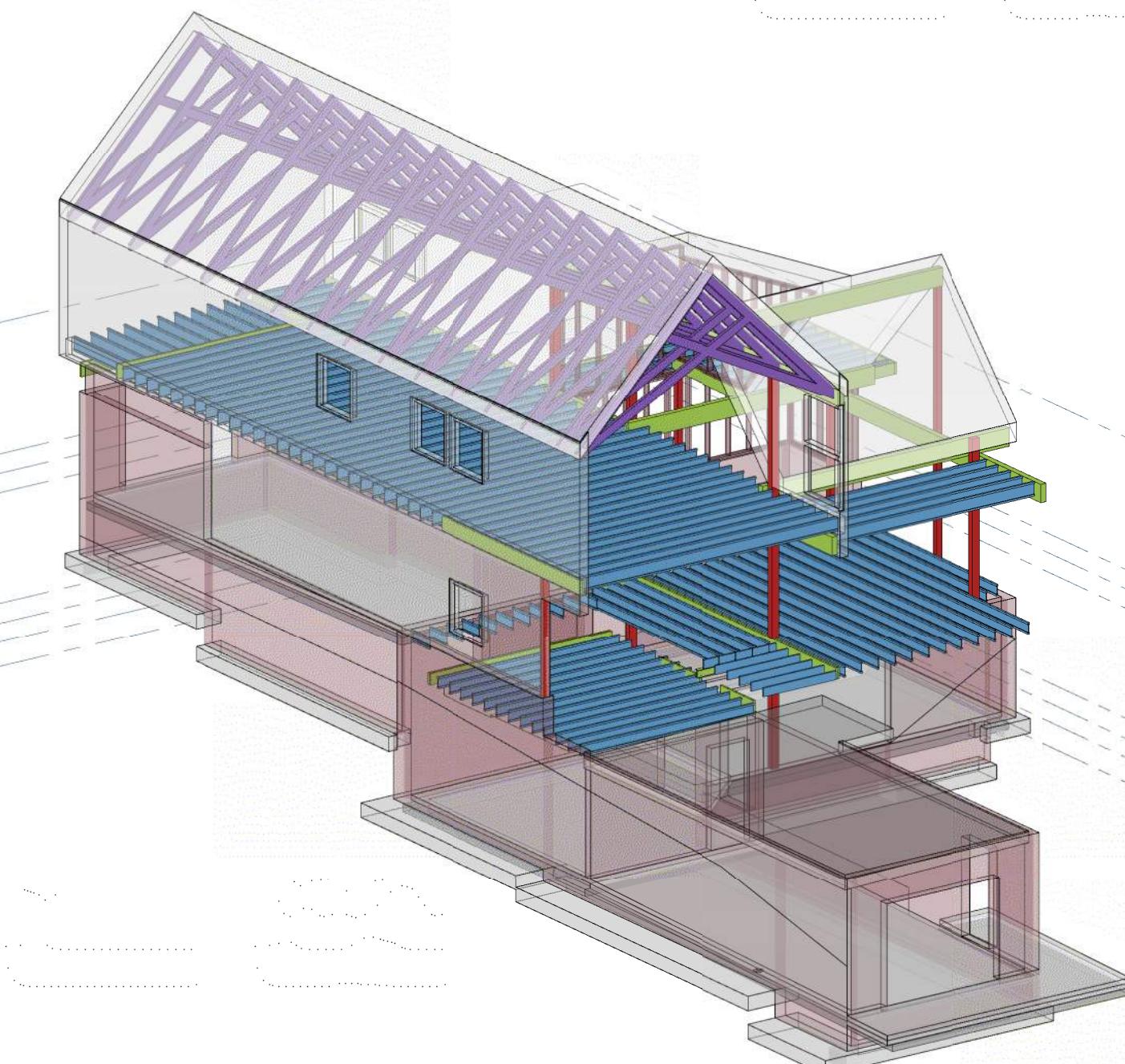




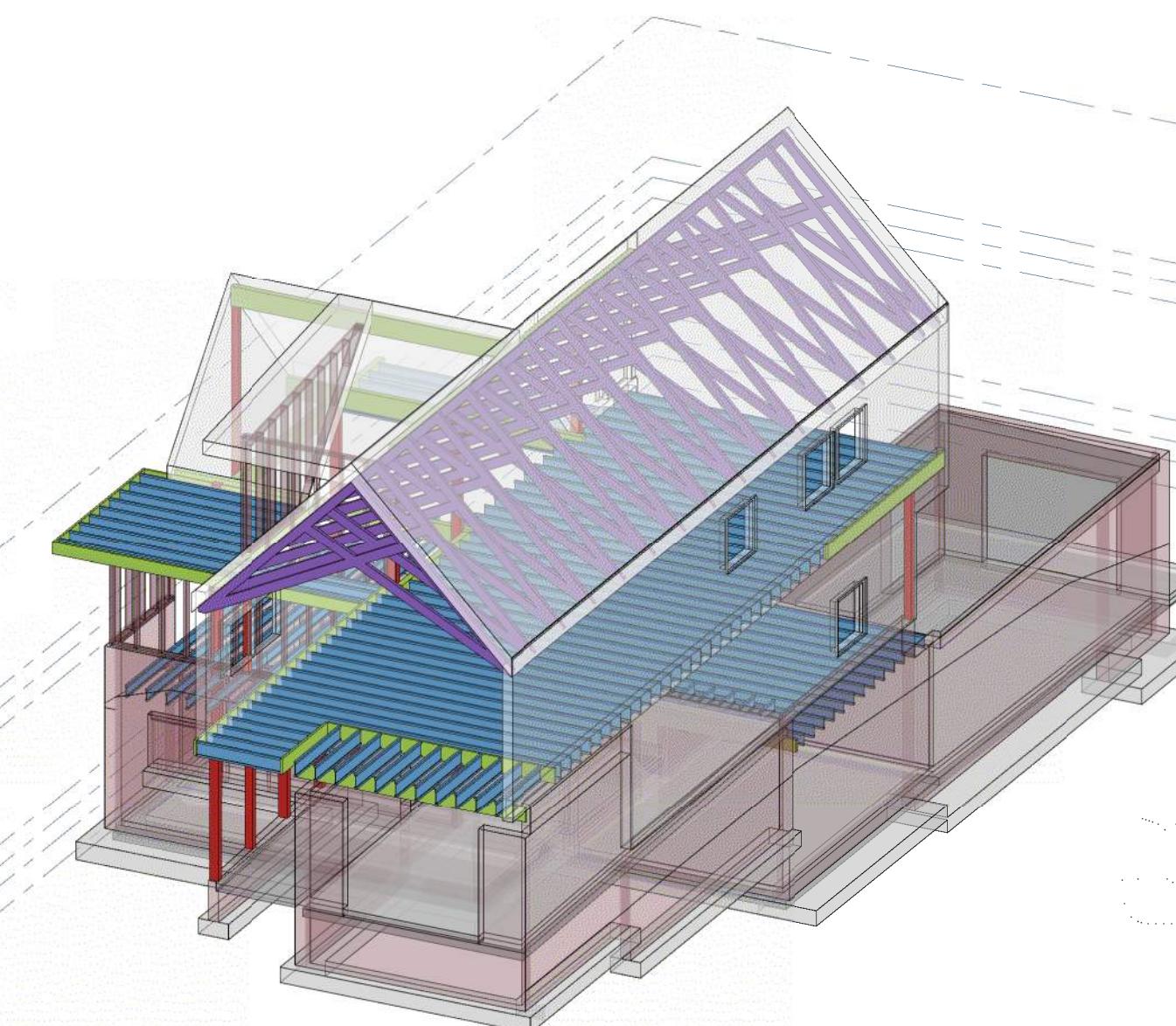




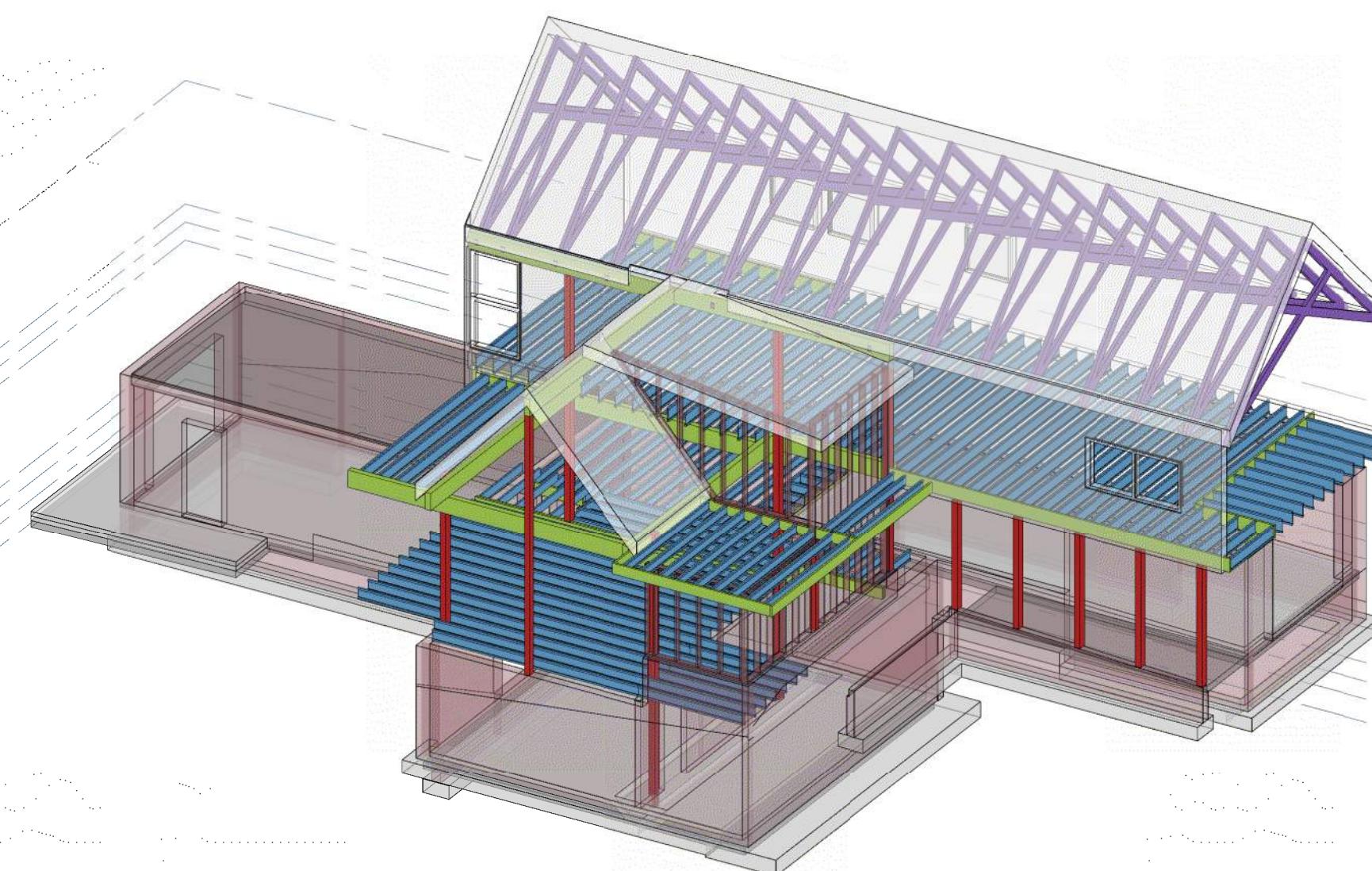
① STRUCTURAL - 3D - NORTHWEST



② STRUCTURAL - 3D - NORTHEAST



③ STRUCTURAL - 3D - SOUTHEAST



④ STRUCTURAL - 3D - SOUTHWEST



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FRAMING - 3D

S150

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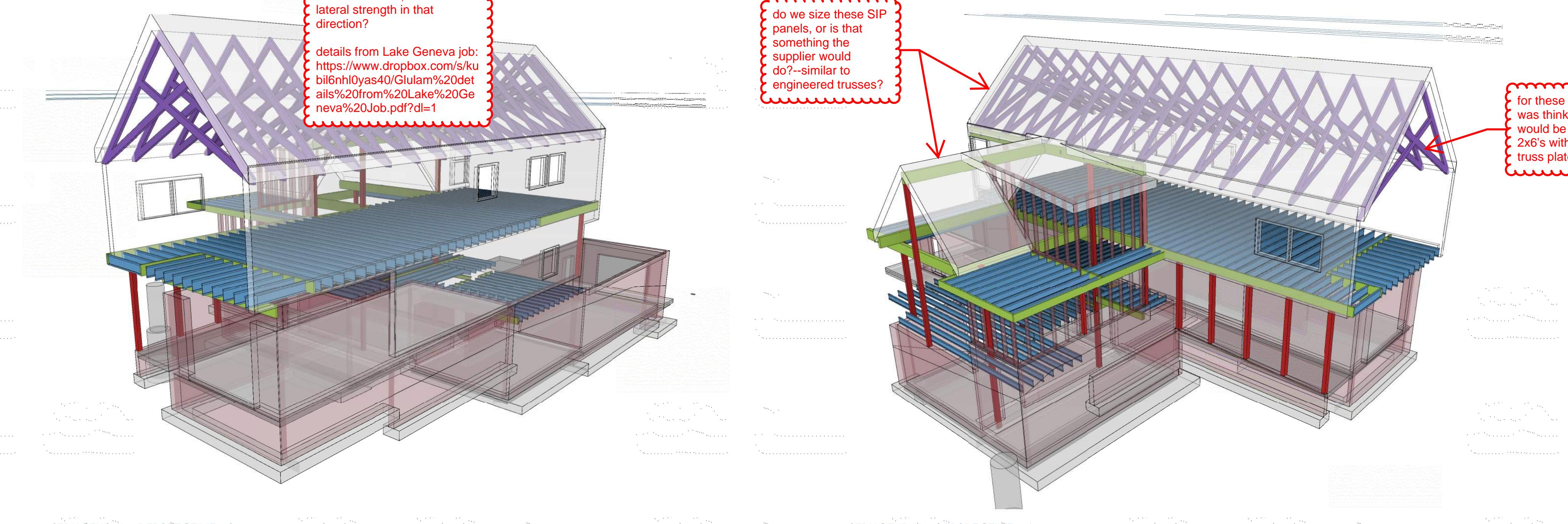
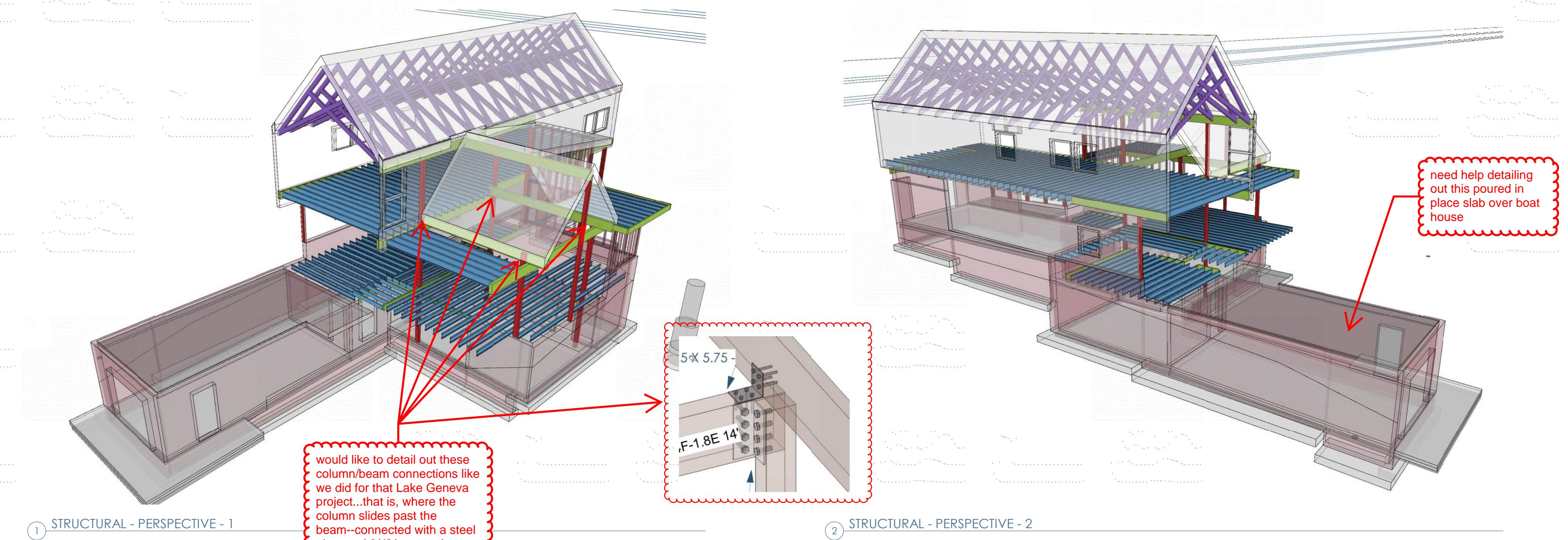
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AALSETH RESIDENCE - 12/09/2018
 3196 AALSETH LN - STOUGHTON, WI 53589
 FRAMING PERSPECTIVES

S900