

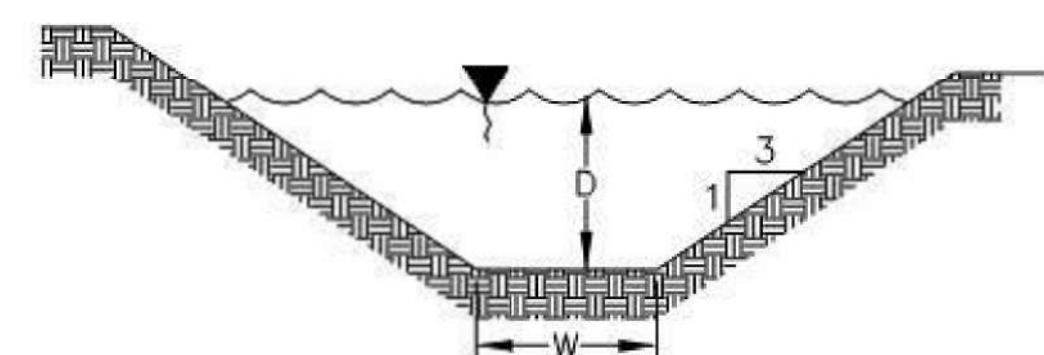
**W.D.O.T. FACILITIES DEVELOPMENT MANUAL
EROSION MAT DESIGN**

Description:

Swale West.

Given:

CHANNEL CROSS SECTION

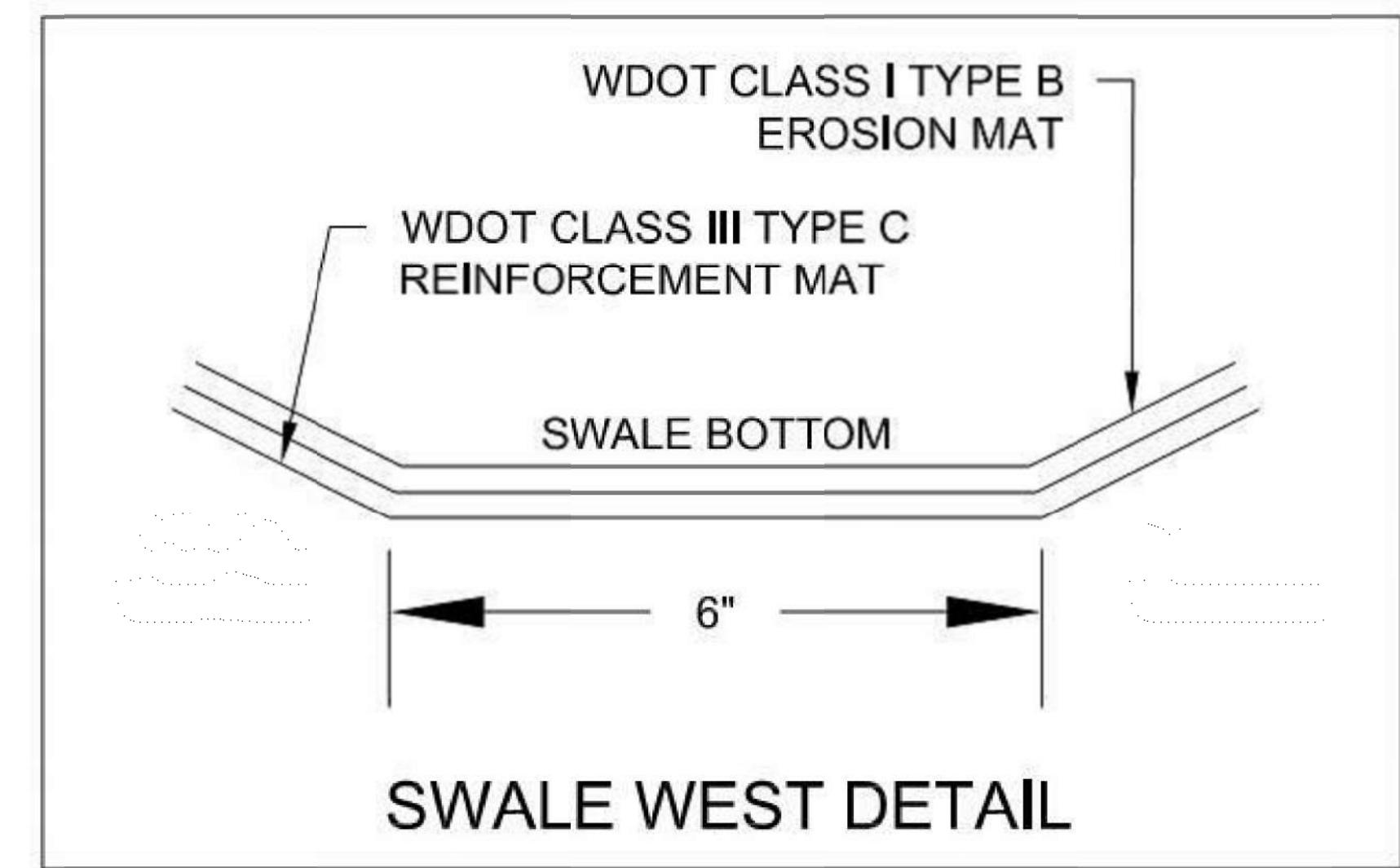


Width (W) = 0.5 feet
Depth (D) = 0.16 feet
Slope (s) = 0.223 ft/ft

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)



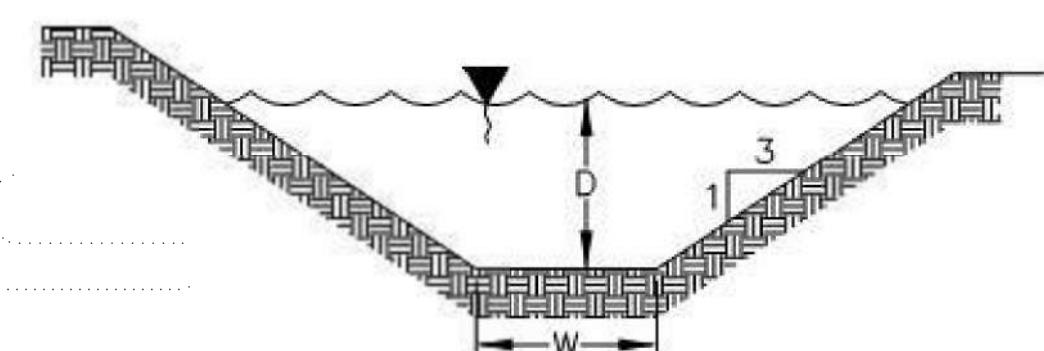
SWALE WEST DETAIL

Description:

Swale East

Given:

CHANNEL CROSS SECTION

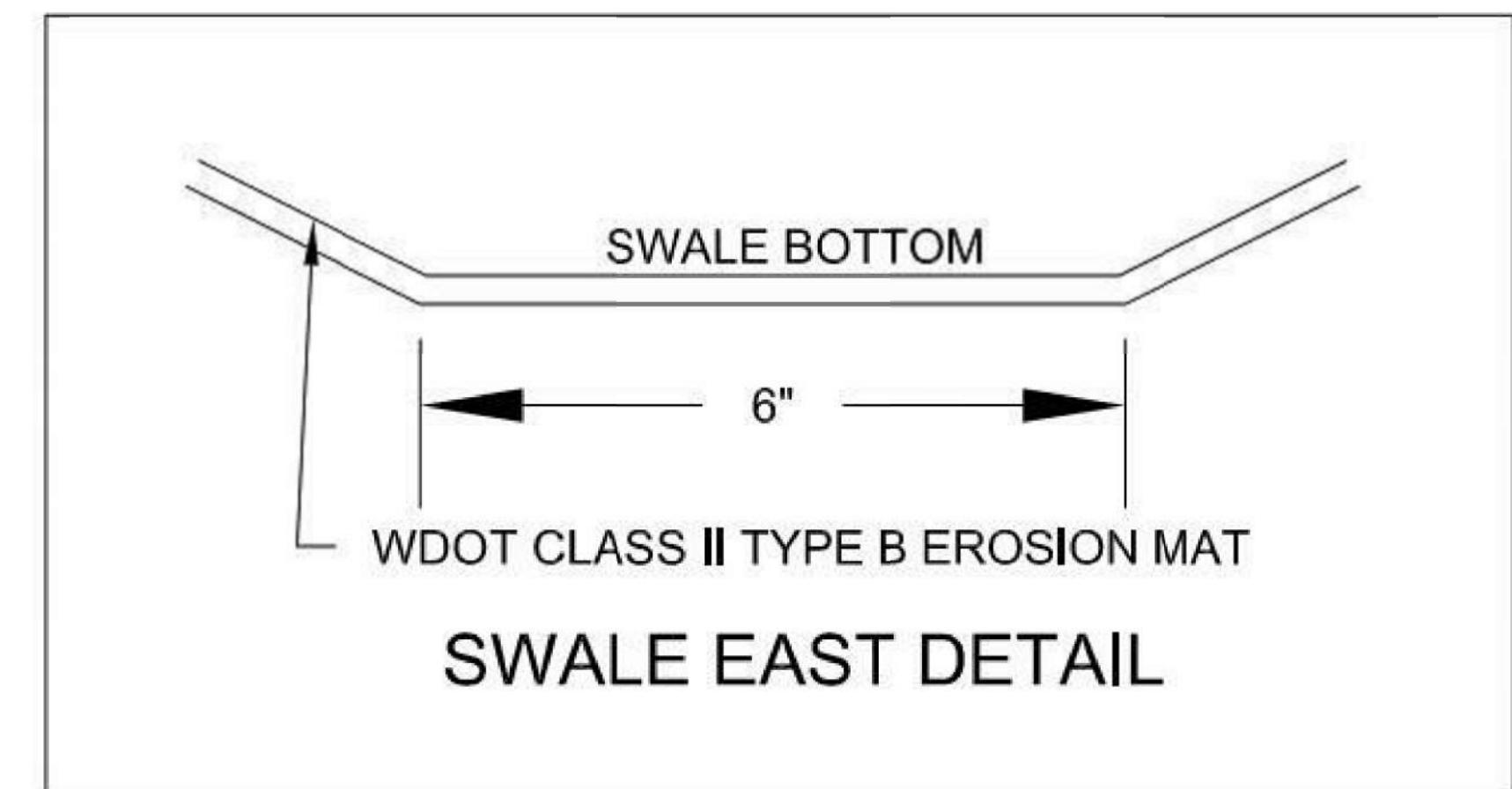


Width (W) = 0.5 feet
Depth (D) = 0.17 feet
Slope (s) = 0.161 ft/ft

Calculate maximum shear stress in the swale, τ_m :

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

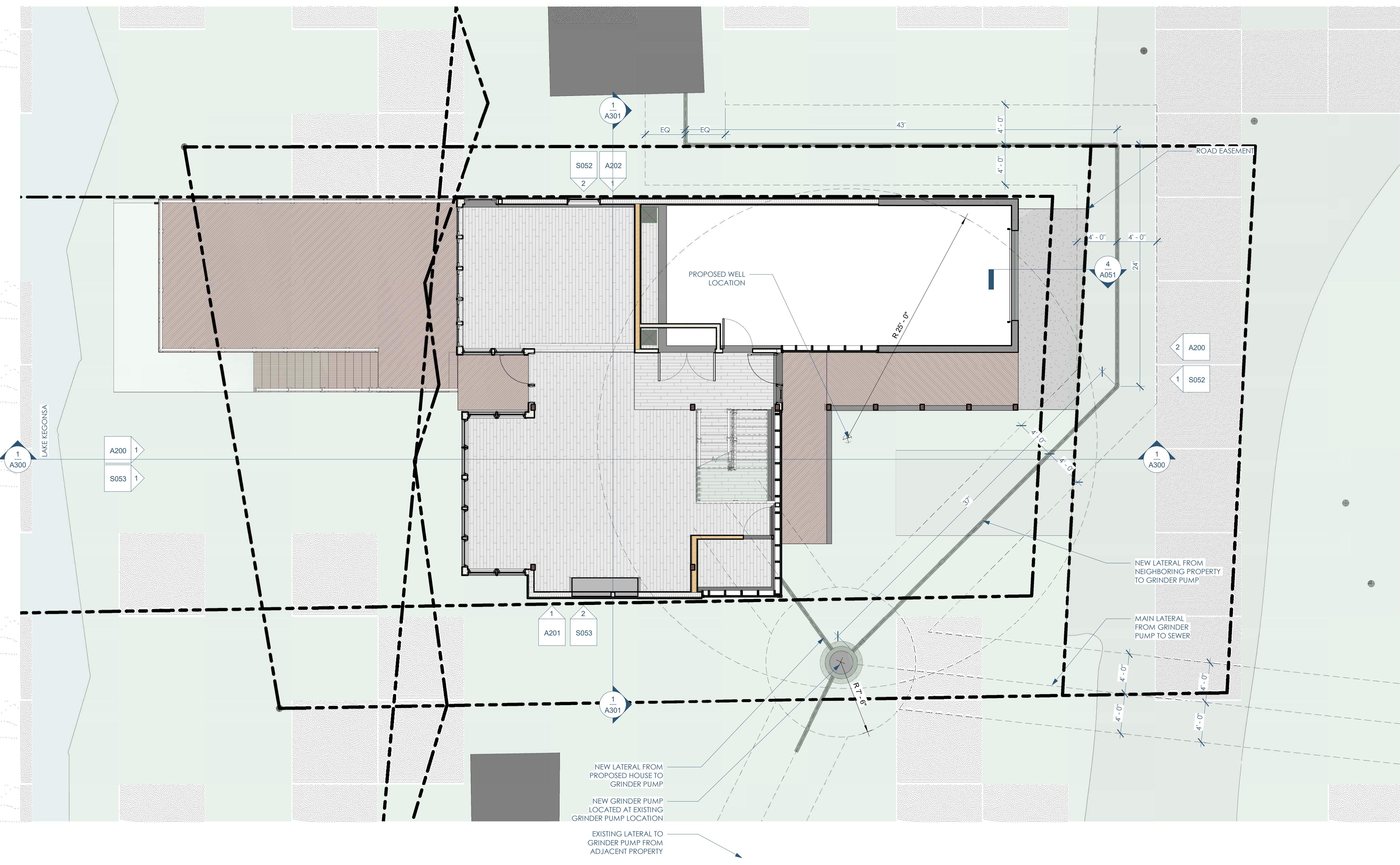
Use WDOT Class II Type B Erosion Mat. ($2.0 > 1.69 \text{ lb/ft}^2$)
(Per FDM 10-5 Attachment 35.1 Channel Erosion Matrix)



SWALE EAST DETAIL

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

Exhibit 5



AALSETH RESIDENCE - 12/09/2018
3196 AALSETH LN - STOUGHTON, WI 53589
SITE PLAN - GRINDER PUMP LATERALS AND WELL

A060



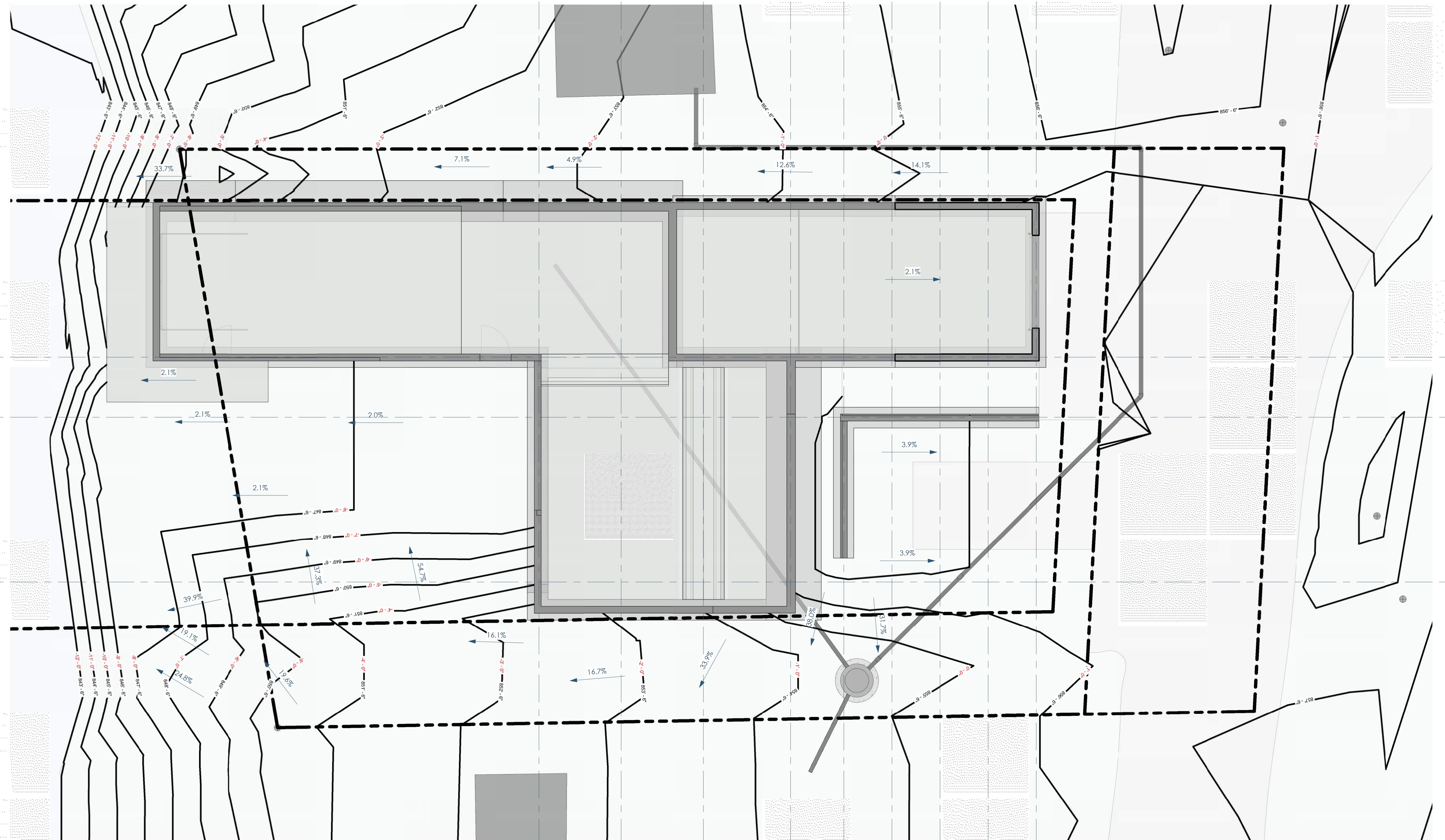
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Madison, WI 53703

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Digitized by srujanika@gmail.com



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

Architect: OpeningDesign

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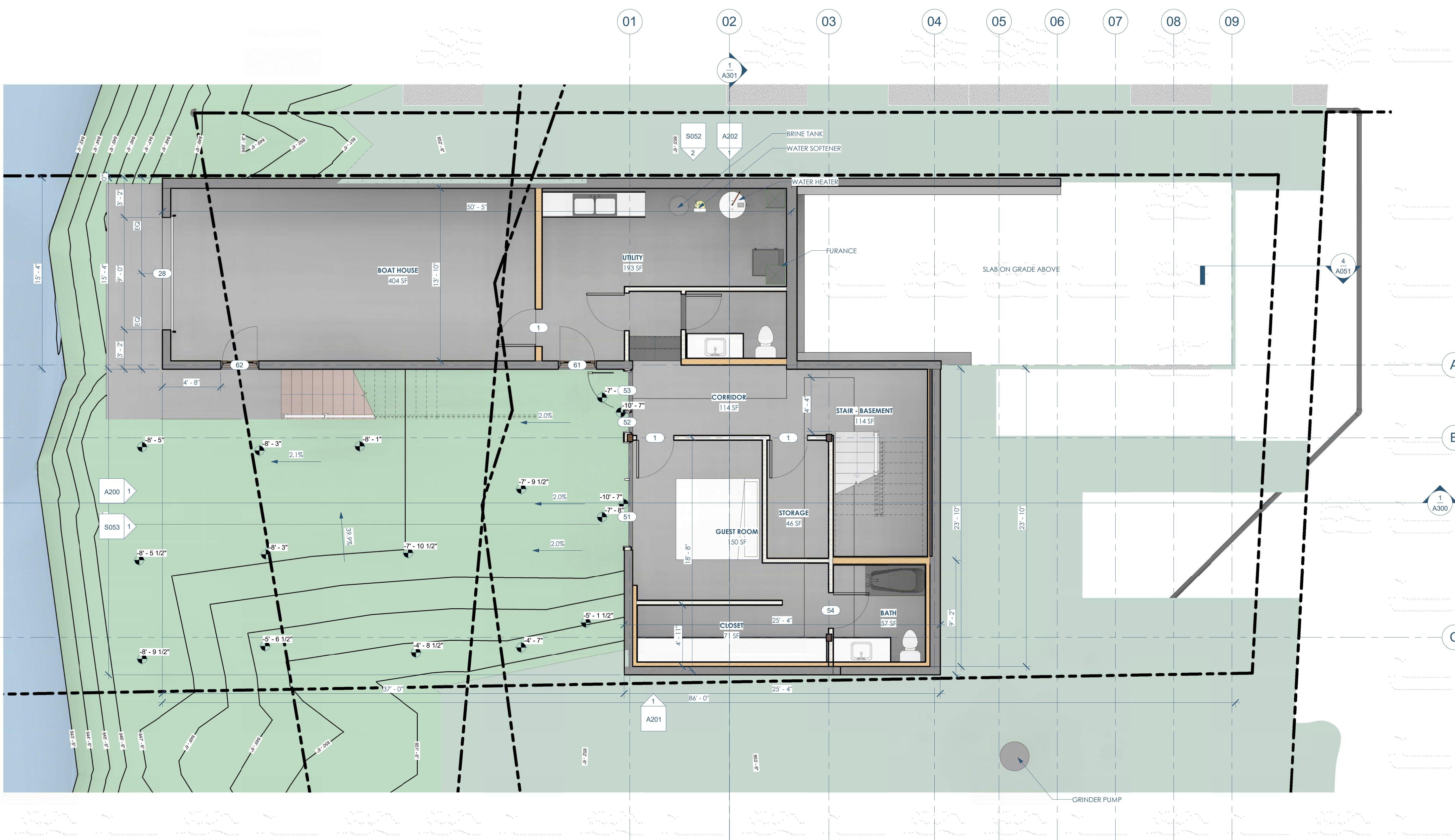
Madison, WI 53703

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AALSETH RESIDENCE - 12/09/2018
3196 AALSETH LN - STOUGHTON, WI 53589
SITE PLAN - TOPOGRAPHY ONLY

A070



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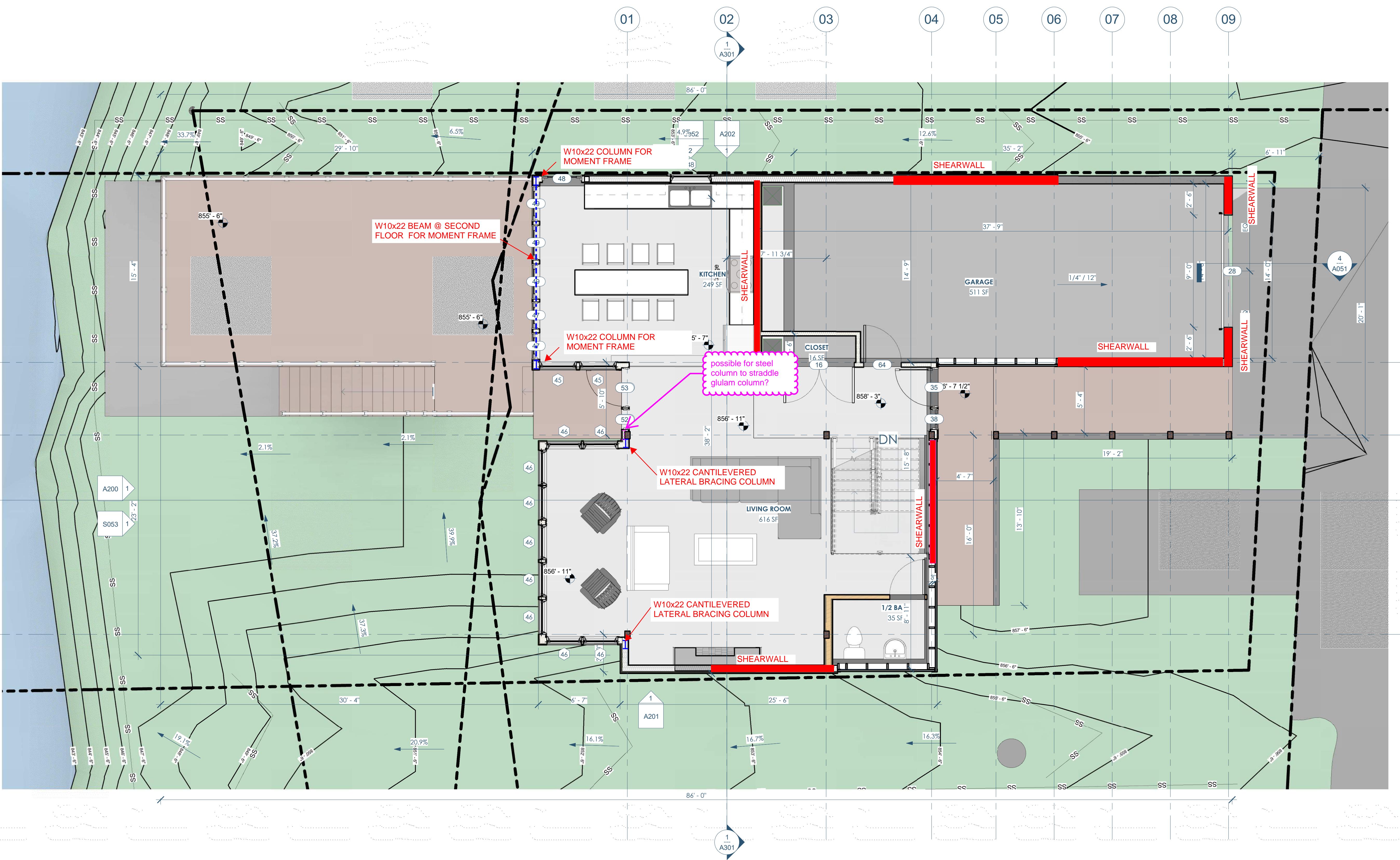
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AALSETH RESIDENCE - 12/09/2018
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FLOOR PLAN - BASEMENT

A100



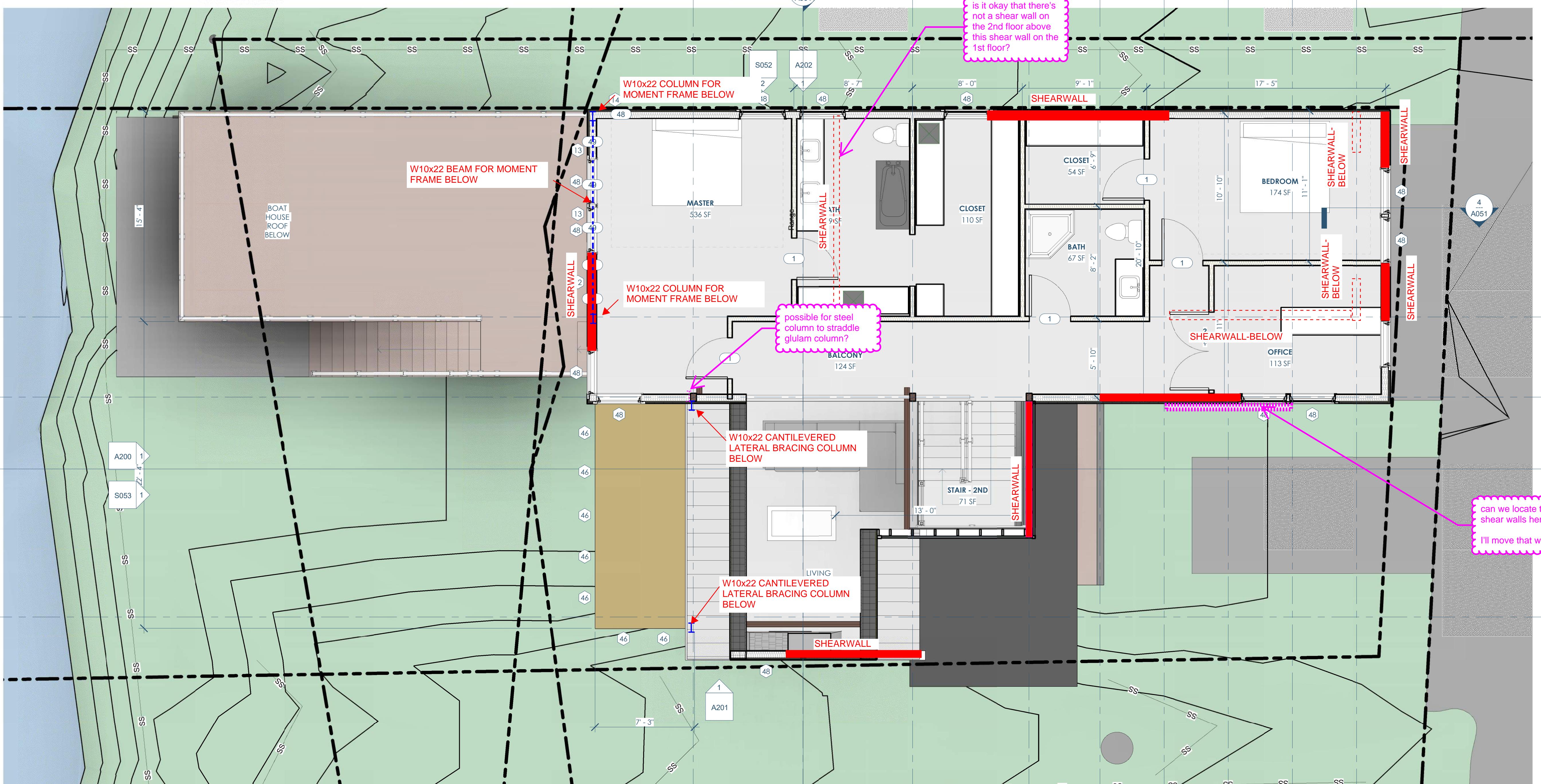
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FLOOR PLANS - 1ST FLOOR

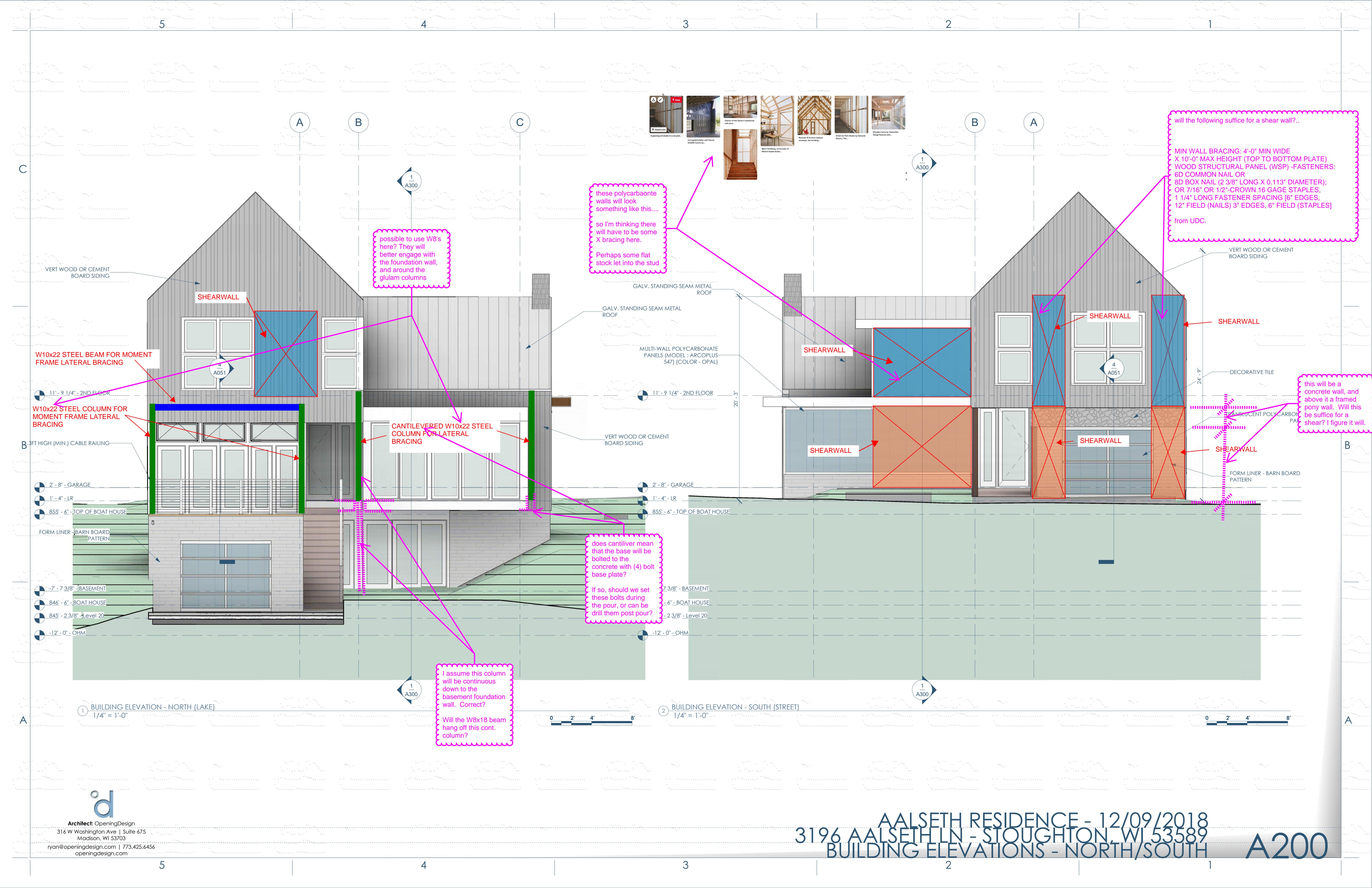
A101



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FLOOR PLAN - 2ND FLOOR

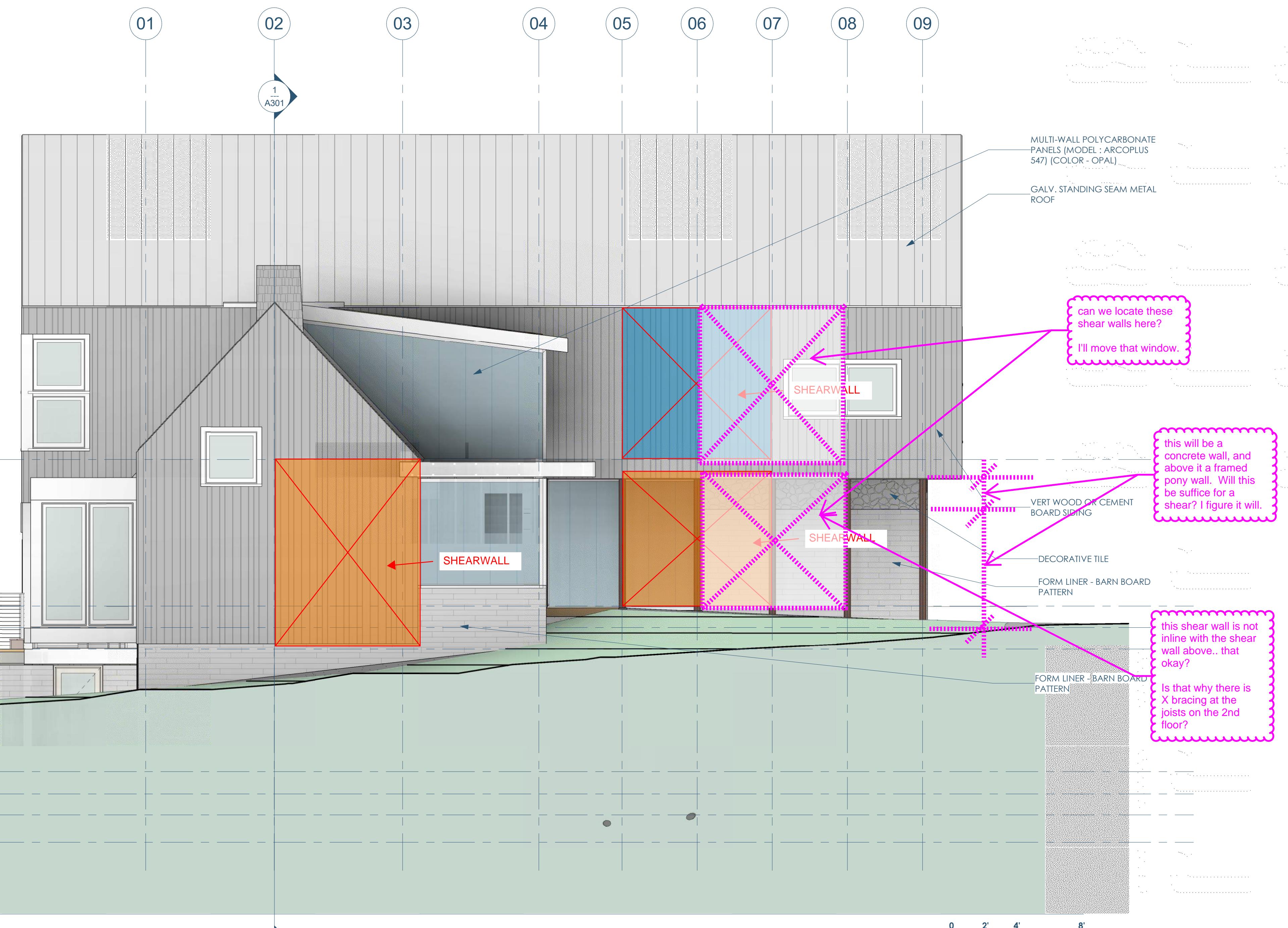
A102





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C



① BUILDING ELEVATION - WEST

1/4" = 1'-0"

0 2' 4' 8'



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AALSETH RESIDENCE - 12/09/2018
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BUILDING ELEVATIONS - EAST

A201

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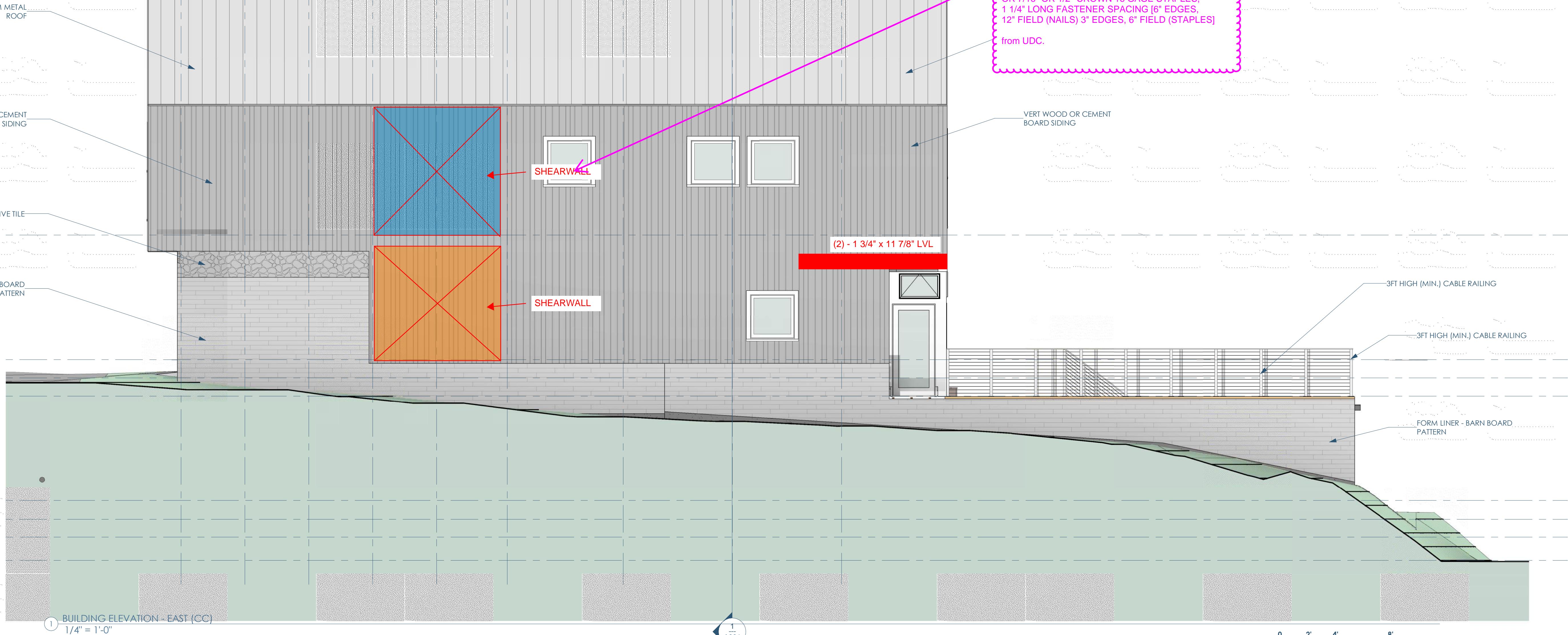
5 4 3 2 1

09 08 07 06 05 04 03 02 01

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A301

will the following suffice for a shear wall?..

MIN WALL BRACING: 4'-0" MIN WIDE
X 10'-0" MAX HEIGHT (TOP TO BOTTOM PLATE)
WOOD STRUCTURAL PANEL (WSP) -FASTENERS:
6D COMMON NAIL OR
8D BOX NAIL (2 3/8" LONG X 0.113" DIAMETER);
OR 7/16" OR 1/2" CROWN 16 GAGE STAPLES,
1 1/4" LONG FASTENER SPACING [6" EDGES,
12" FIELD (NAILS) 3" EDGES, 6" FIELD (STAPLES)]
from UDC.



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BUILDING ELEVATION - WEST

A202

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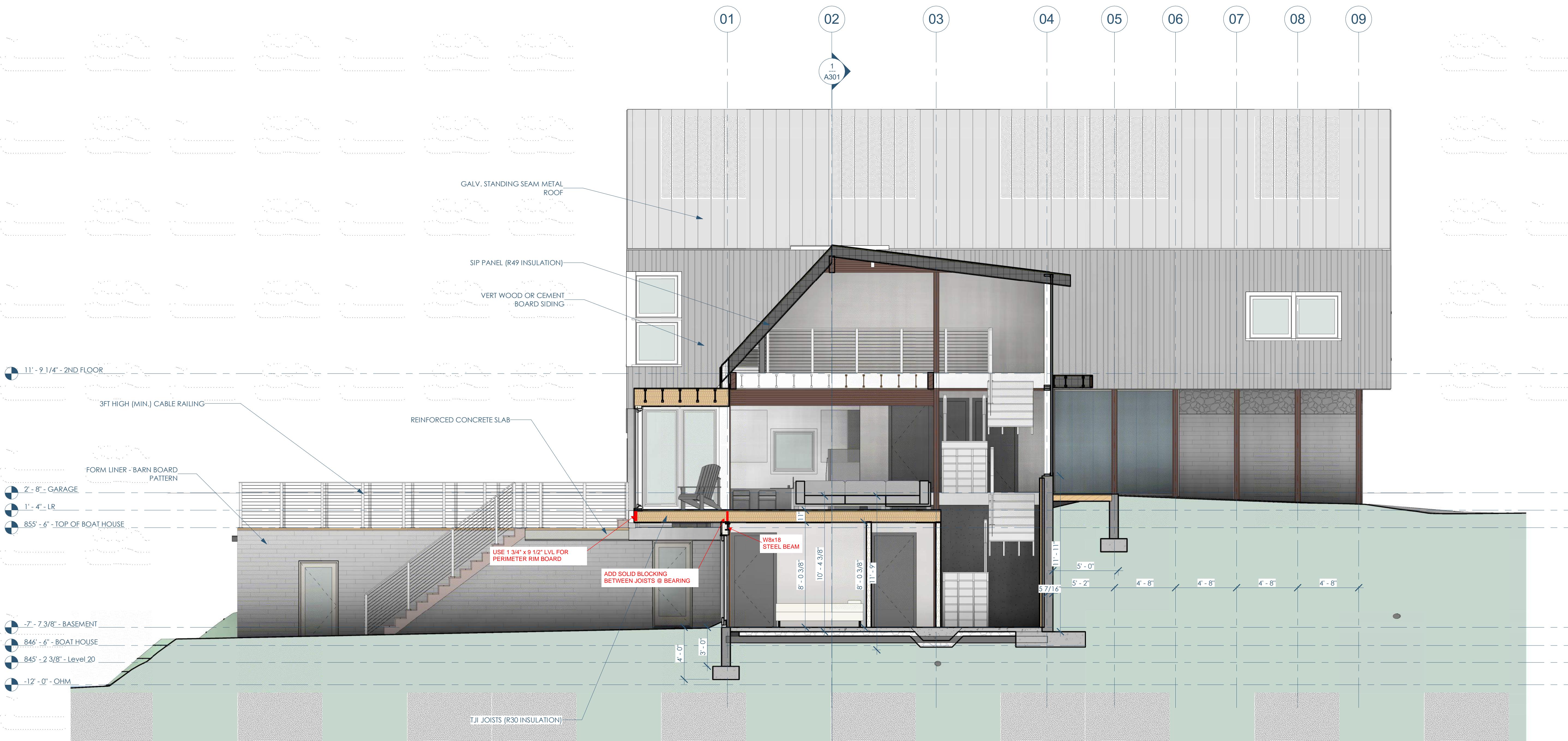
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1 BUILDING SECTION - NORTH/SOUTH - LOOKING EAST
1/4" = 1'-0"

\odot $1/4"$ = $1'-0"$

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BUILDING SECTION

A300

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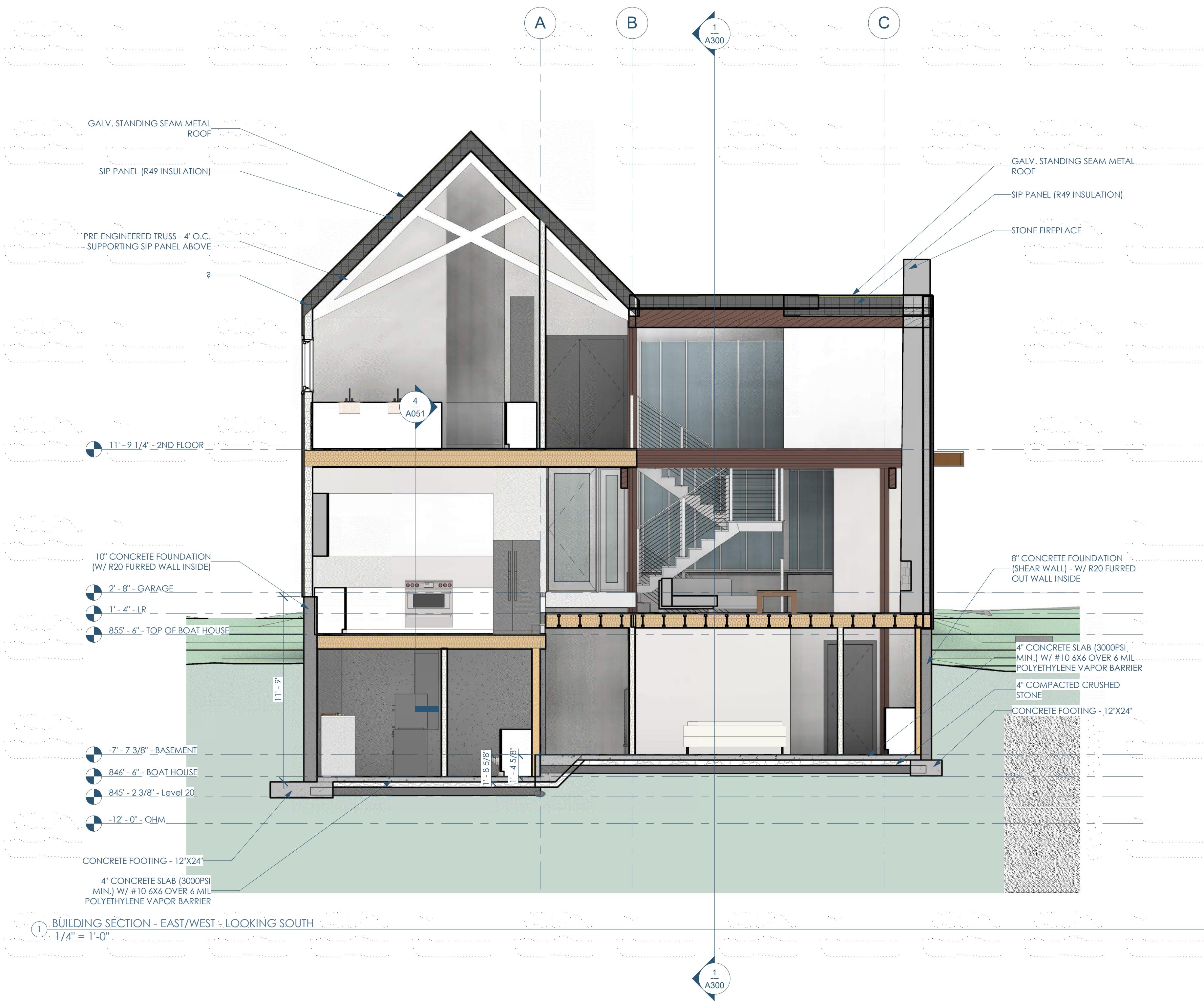
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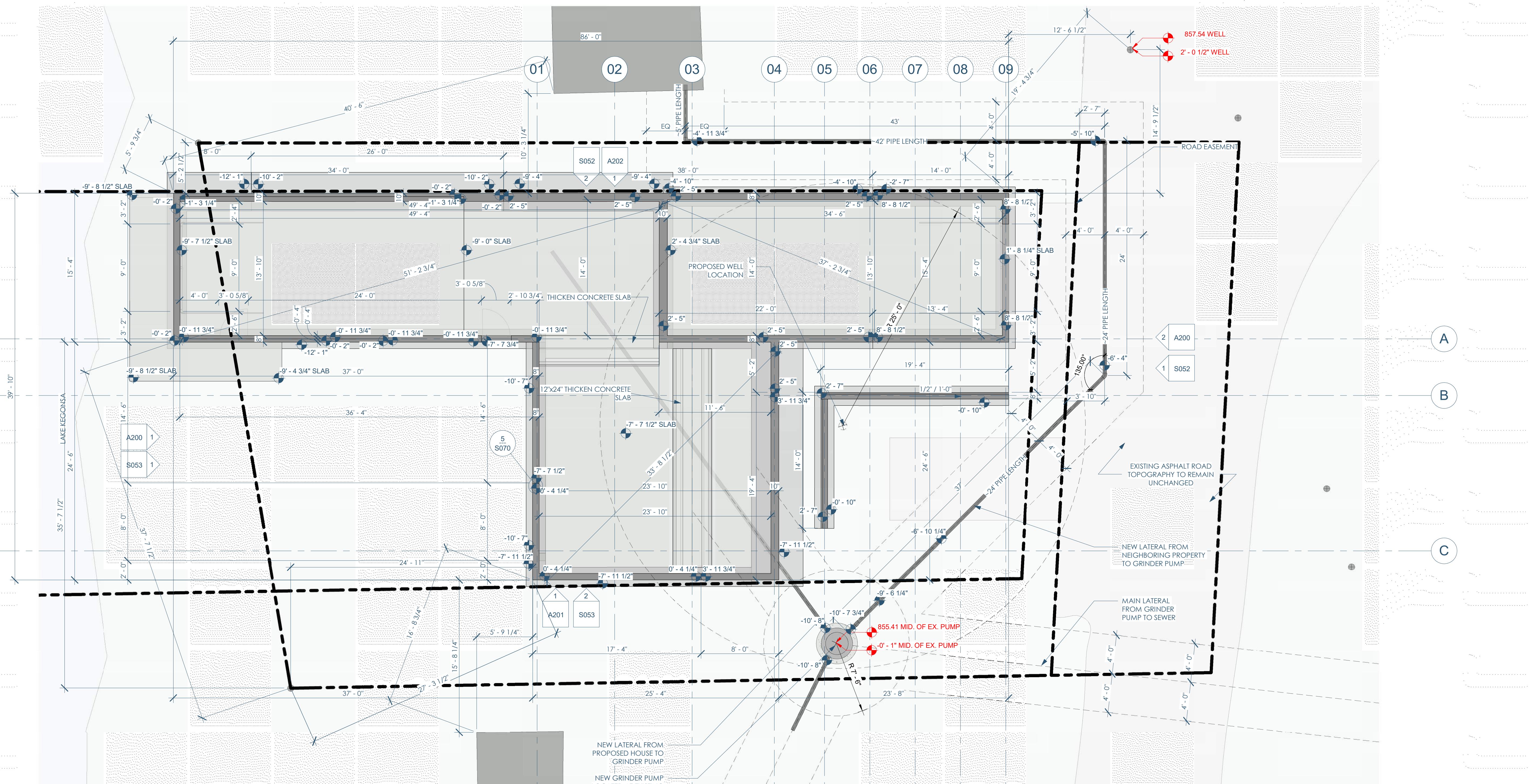
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3196 AALSETH LN - STOUGHTON, WI 53589
BUILDING SECTION

A301

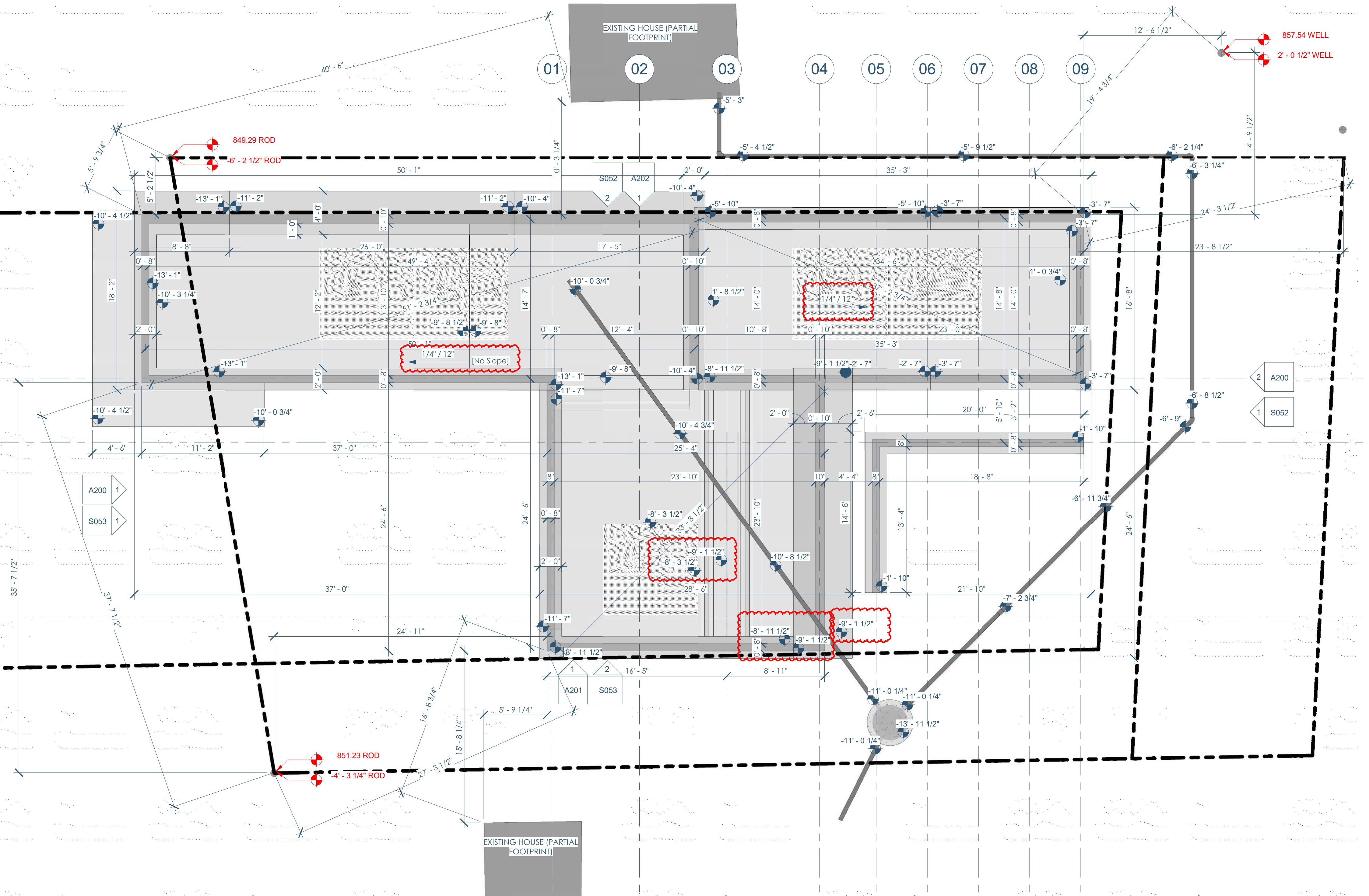


1 FOUNDATION PLAN 3/16" = 1'-0"

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FOUNDATION PLAN**

S050



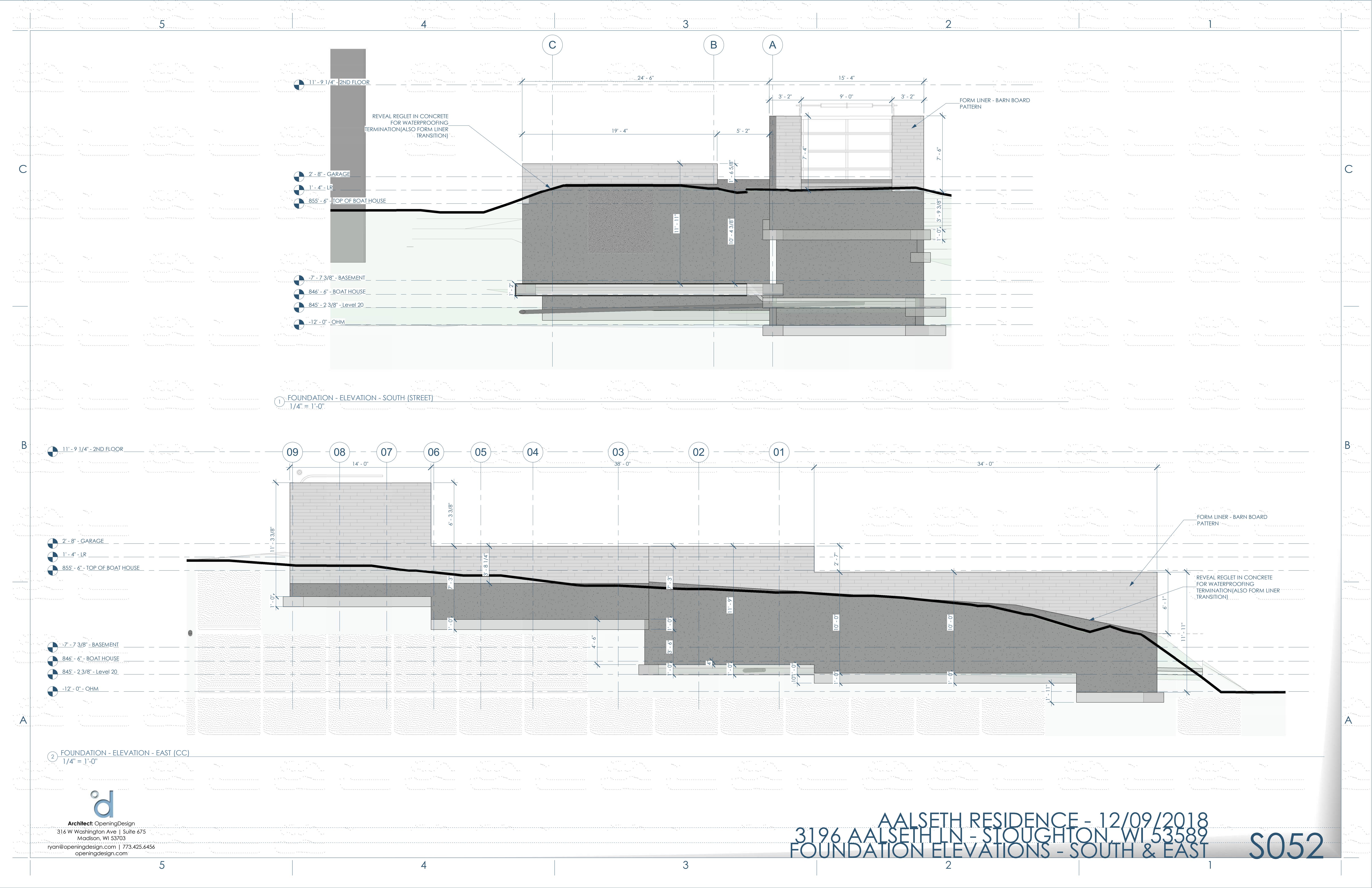
EXCAVATION PLAN



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EXCAVATION PLAN

S051



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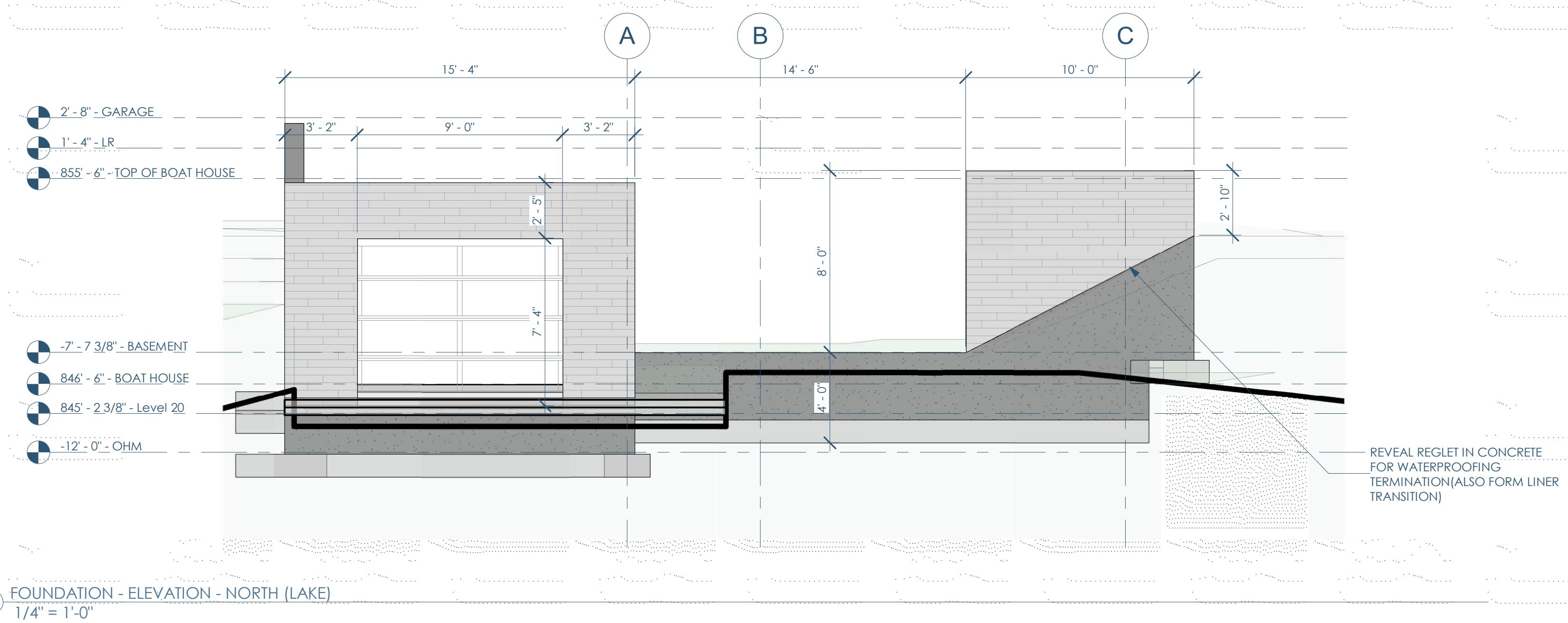
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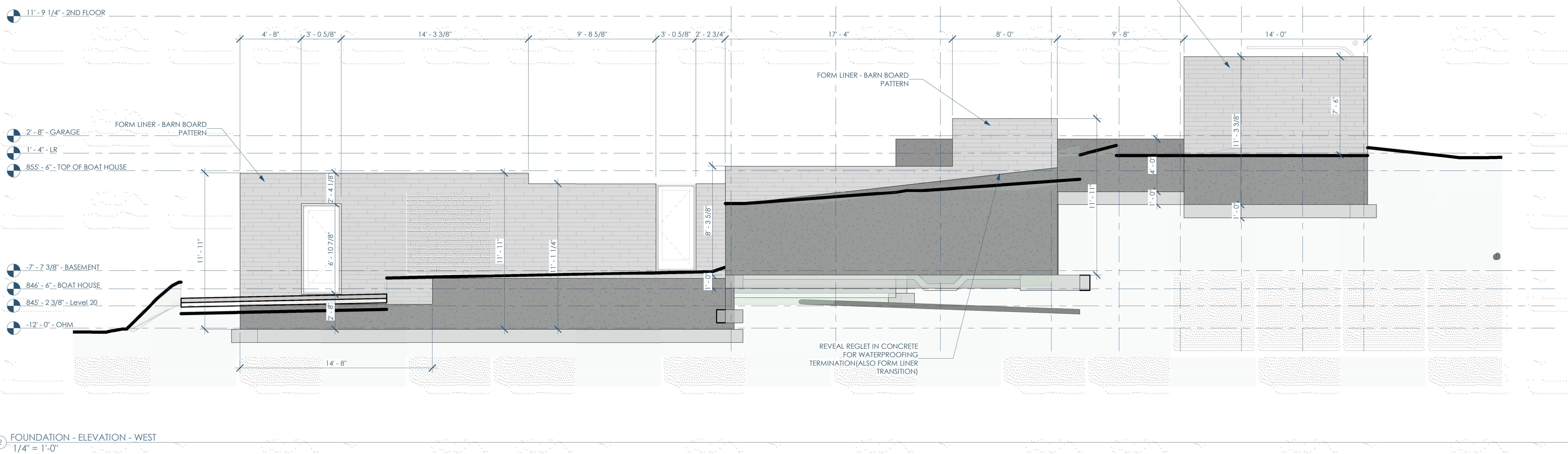
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FOUNDATION ELEVATIONS - NORTH & WEST

S053

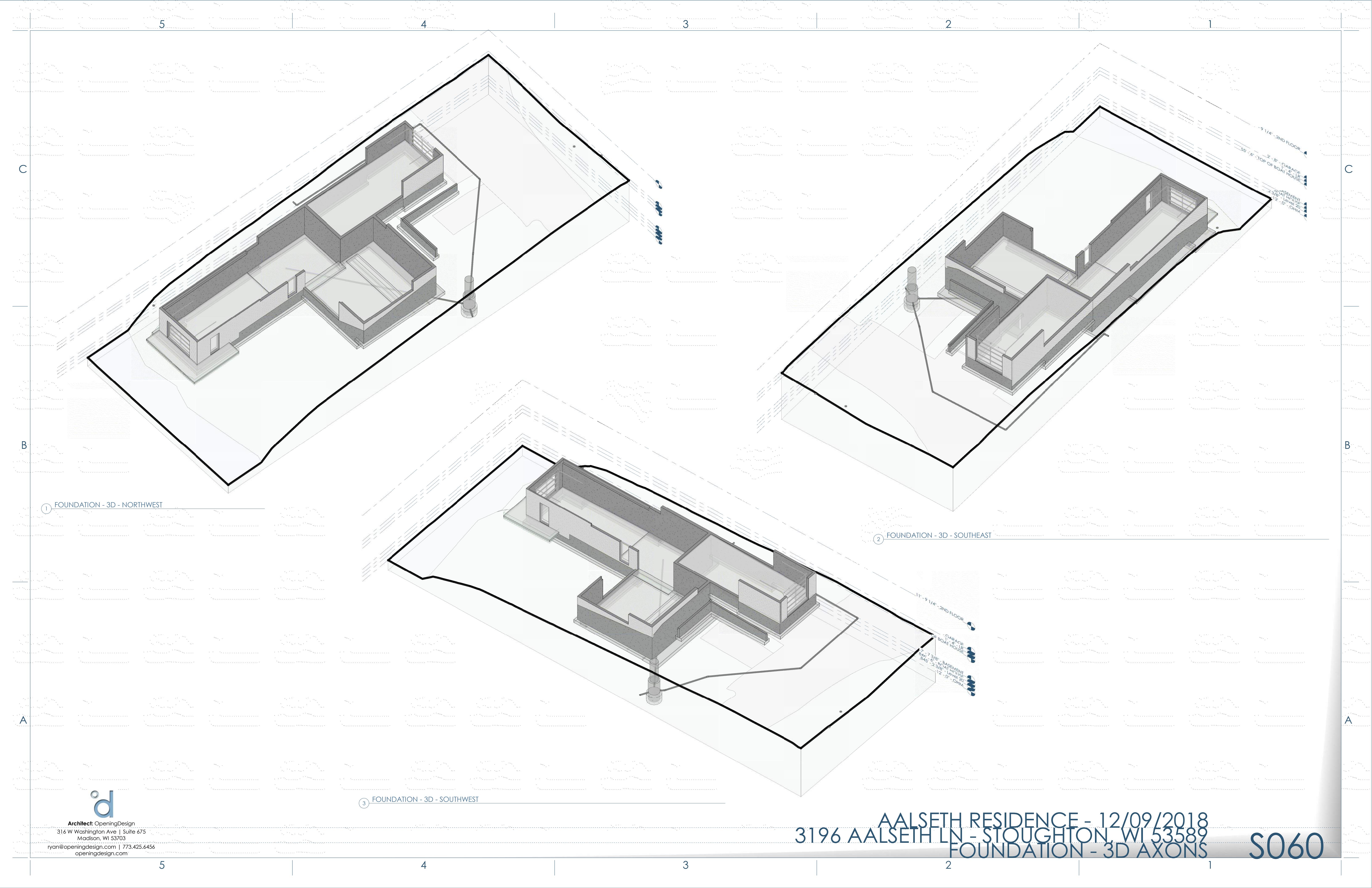
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③ FOUNDATION - 3D - SOUTHWEST

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3196 AALSETH LN - STOUGHTON, WI 53589
FOUNDATION - 3D AXONS

S060

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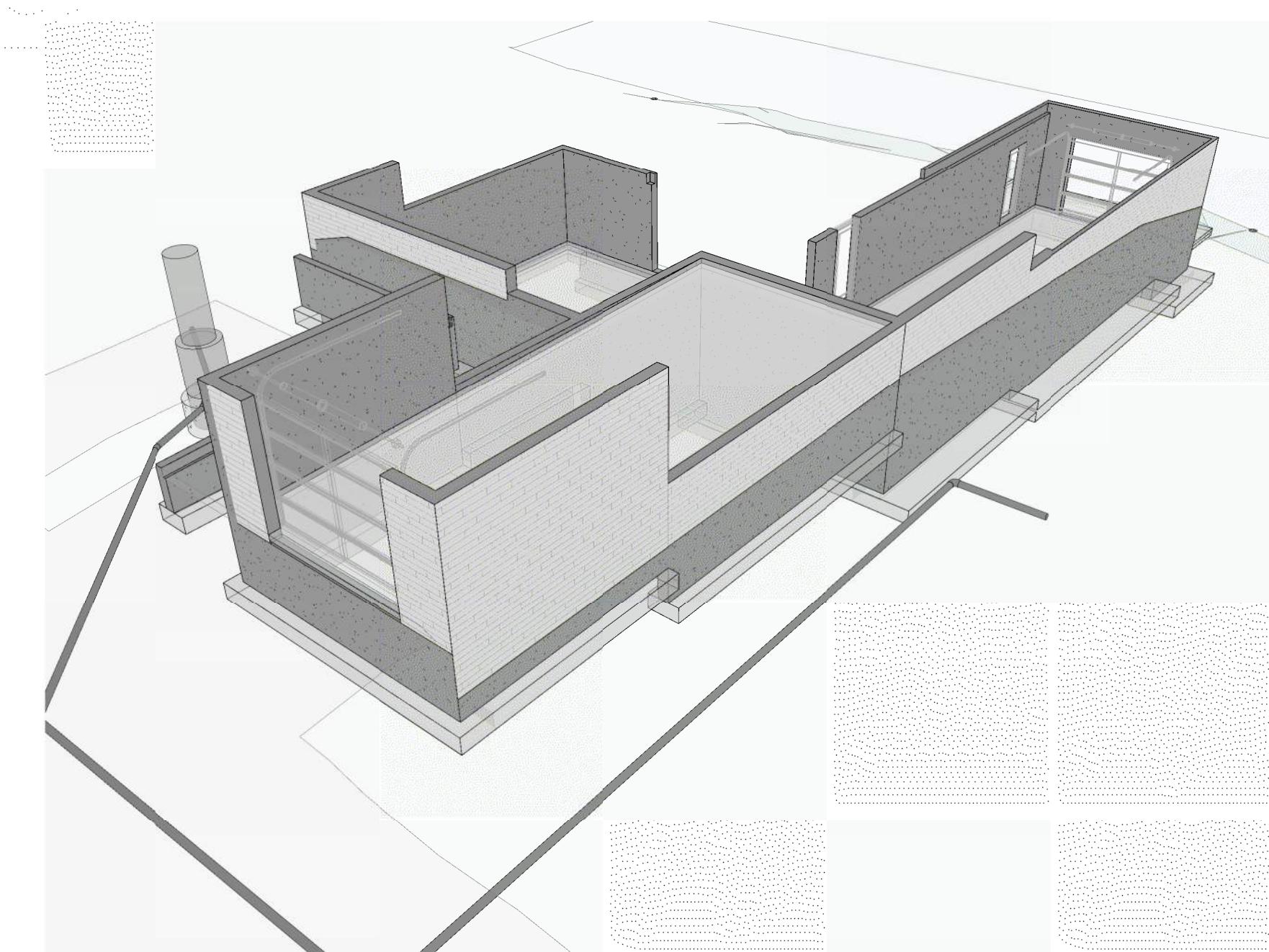
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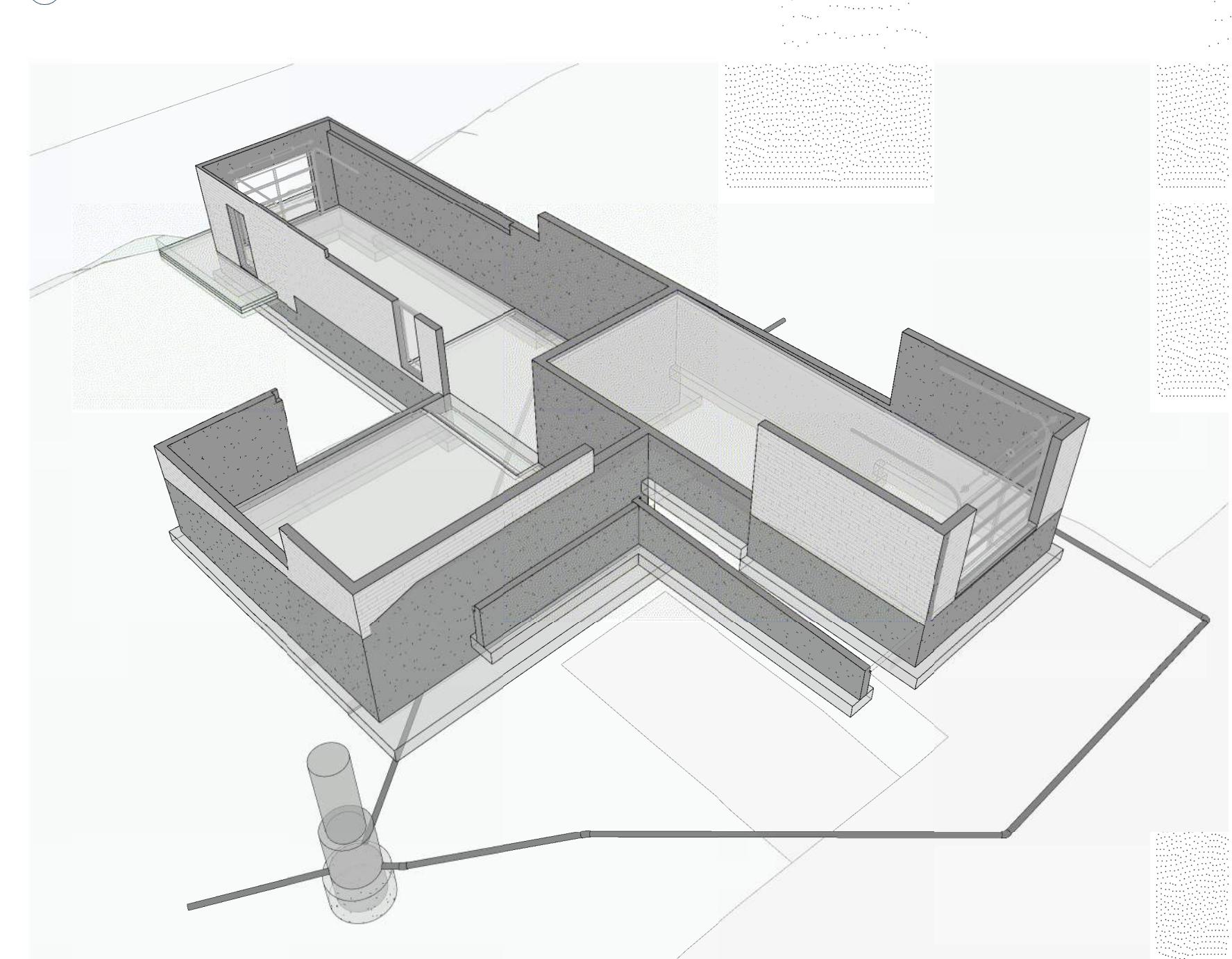
2

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① FOUNDATION - PERSPECTIVE - 1



② FOUNDATION - PERSPECTIVE - 2



③ FOUNDATION - PERSPECTIVE - 3



④ FOUNDATION - PERSPECTIVE - 4



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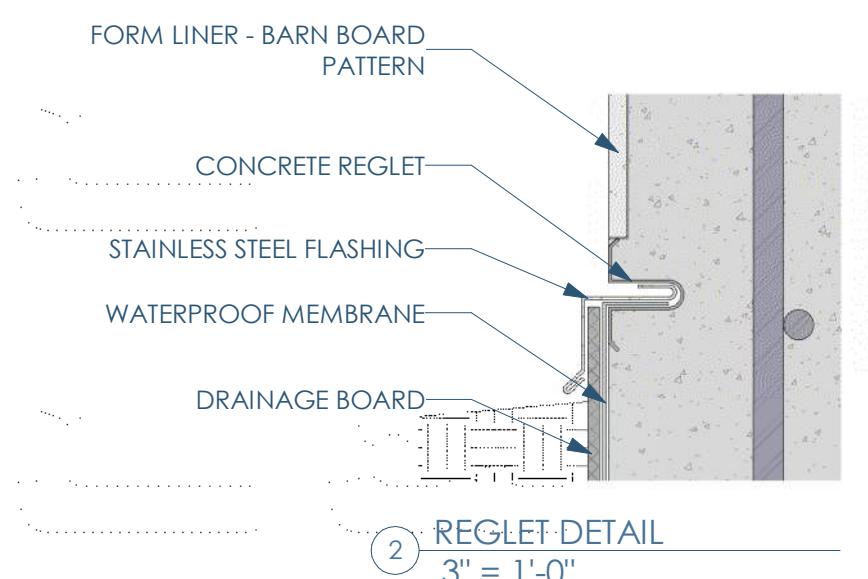
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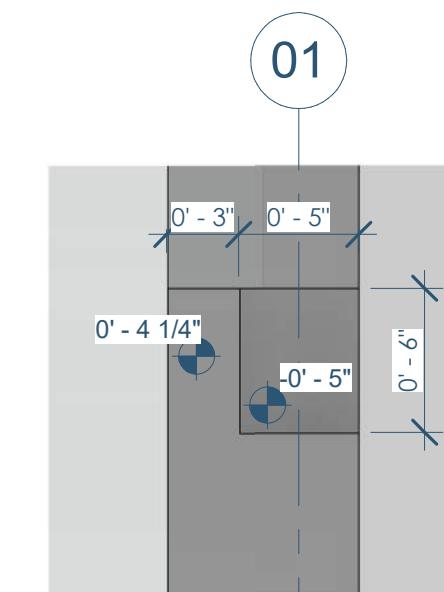
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AALSETH RESIDENCE - 12/09/2018
 3196 AALSETH LN - STOUGHTON, WI 53589
 FOUNDATION - PERSPECTIVES

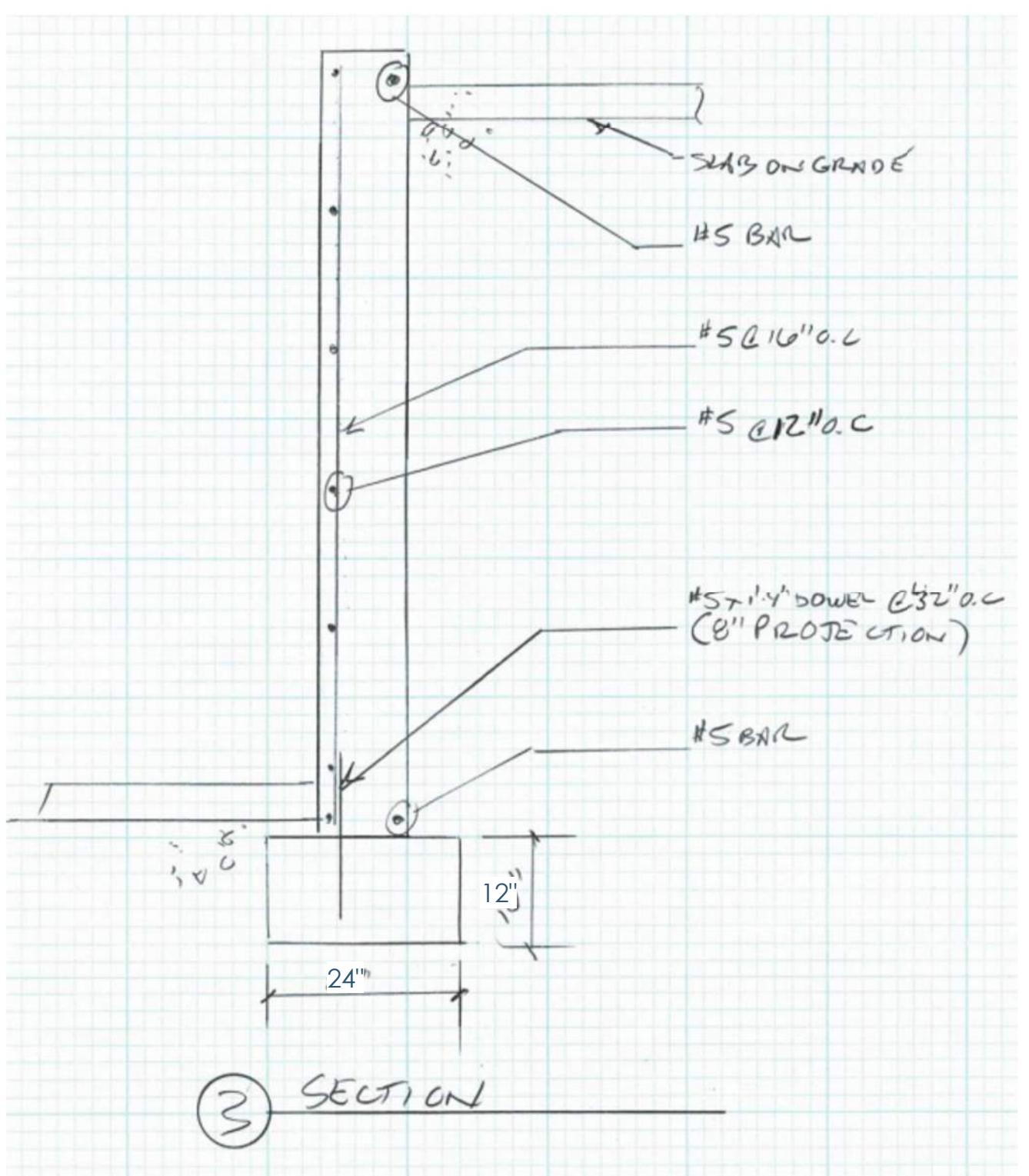
SO61



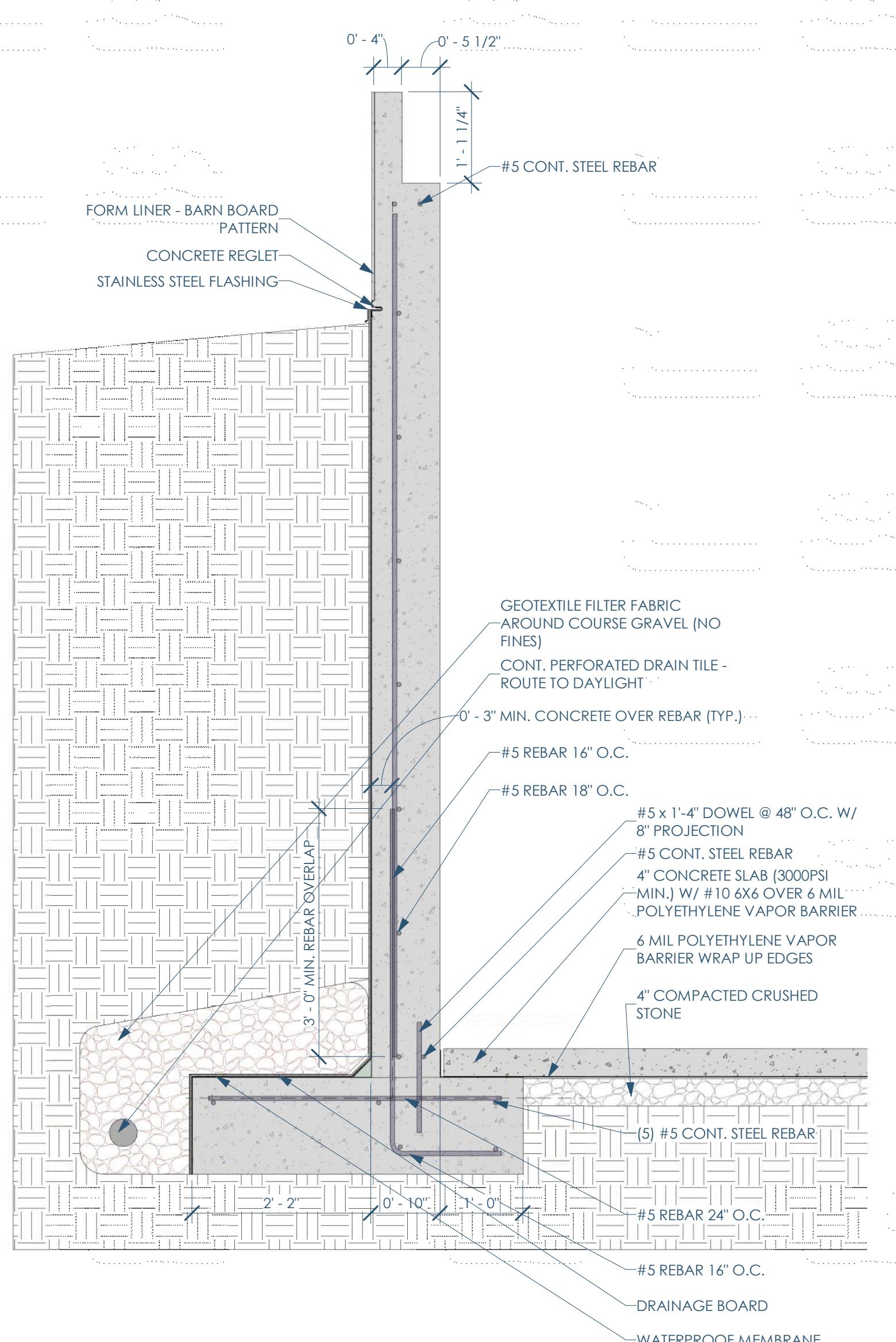
REGLET DETAIL
2 3" = 1'-0"



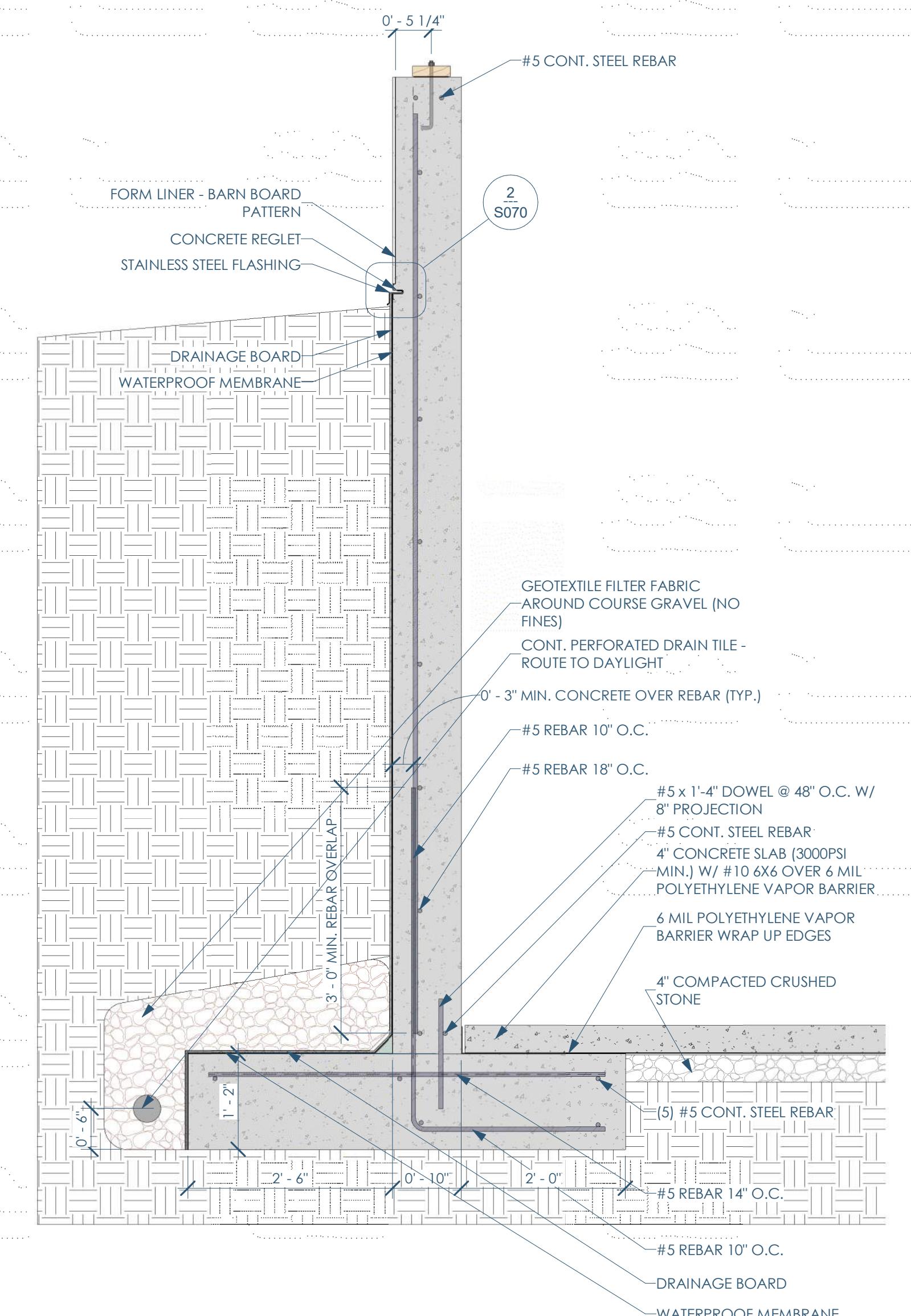
5 BEAM POCKET
1 1/2" = 1'-0"



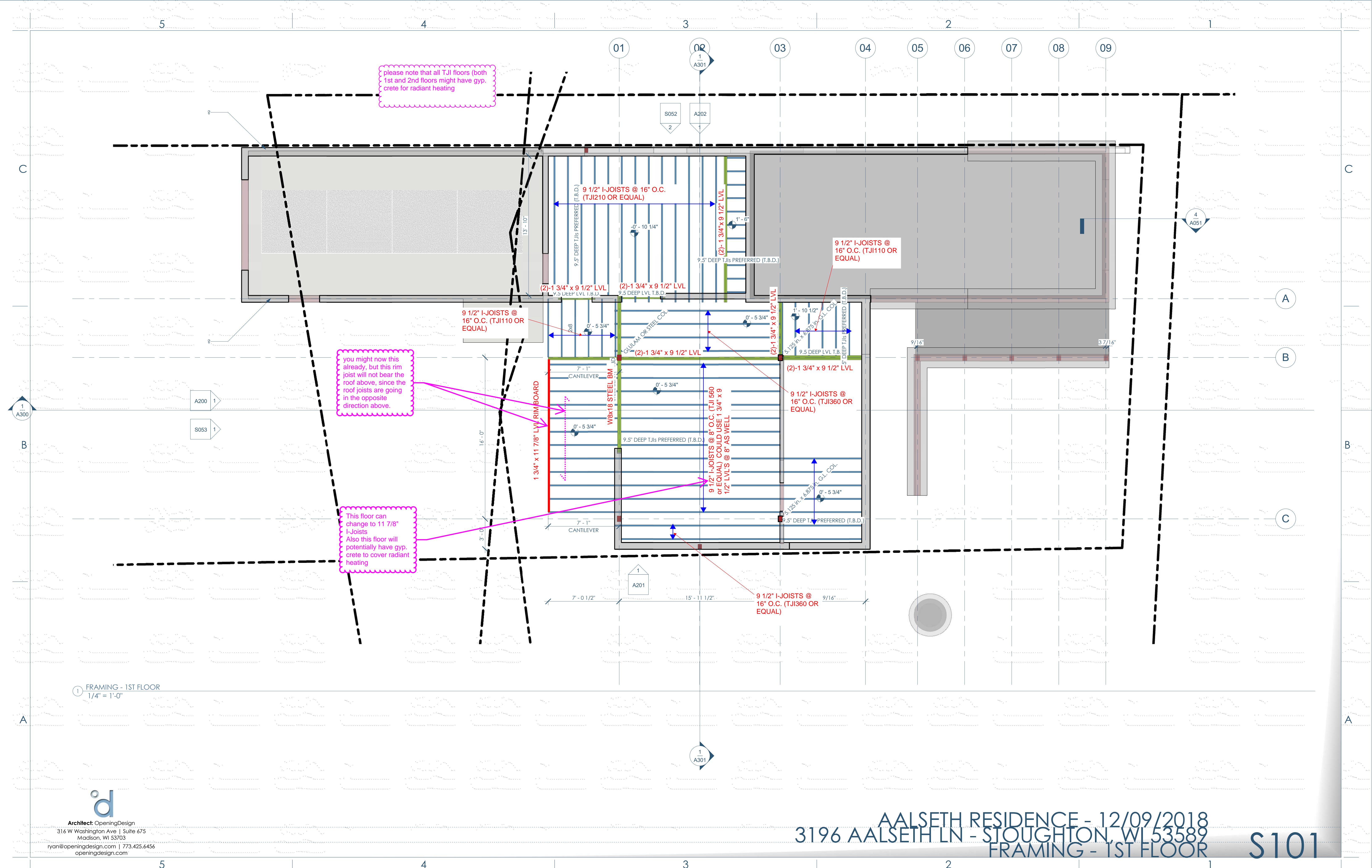
③ SEC

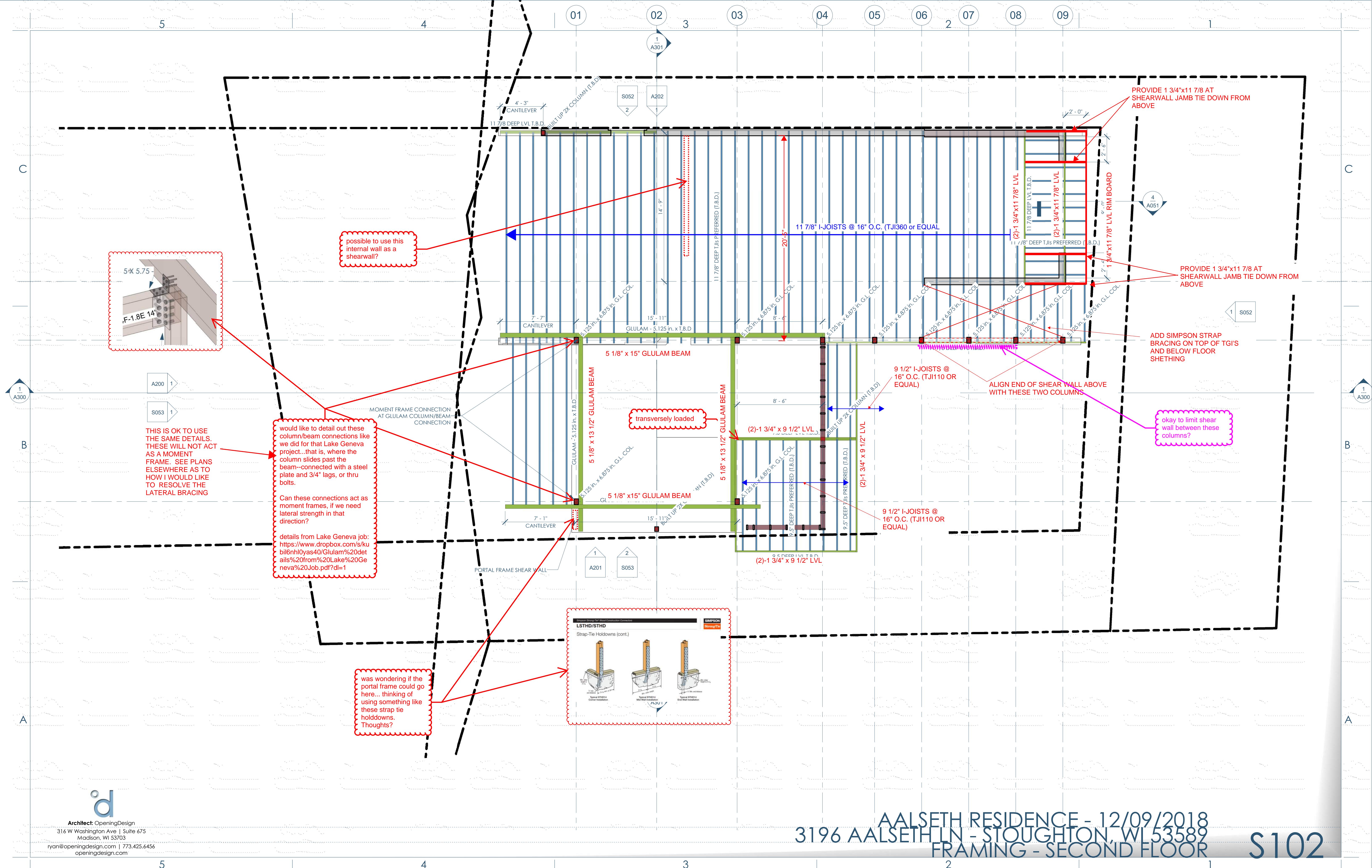


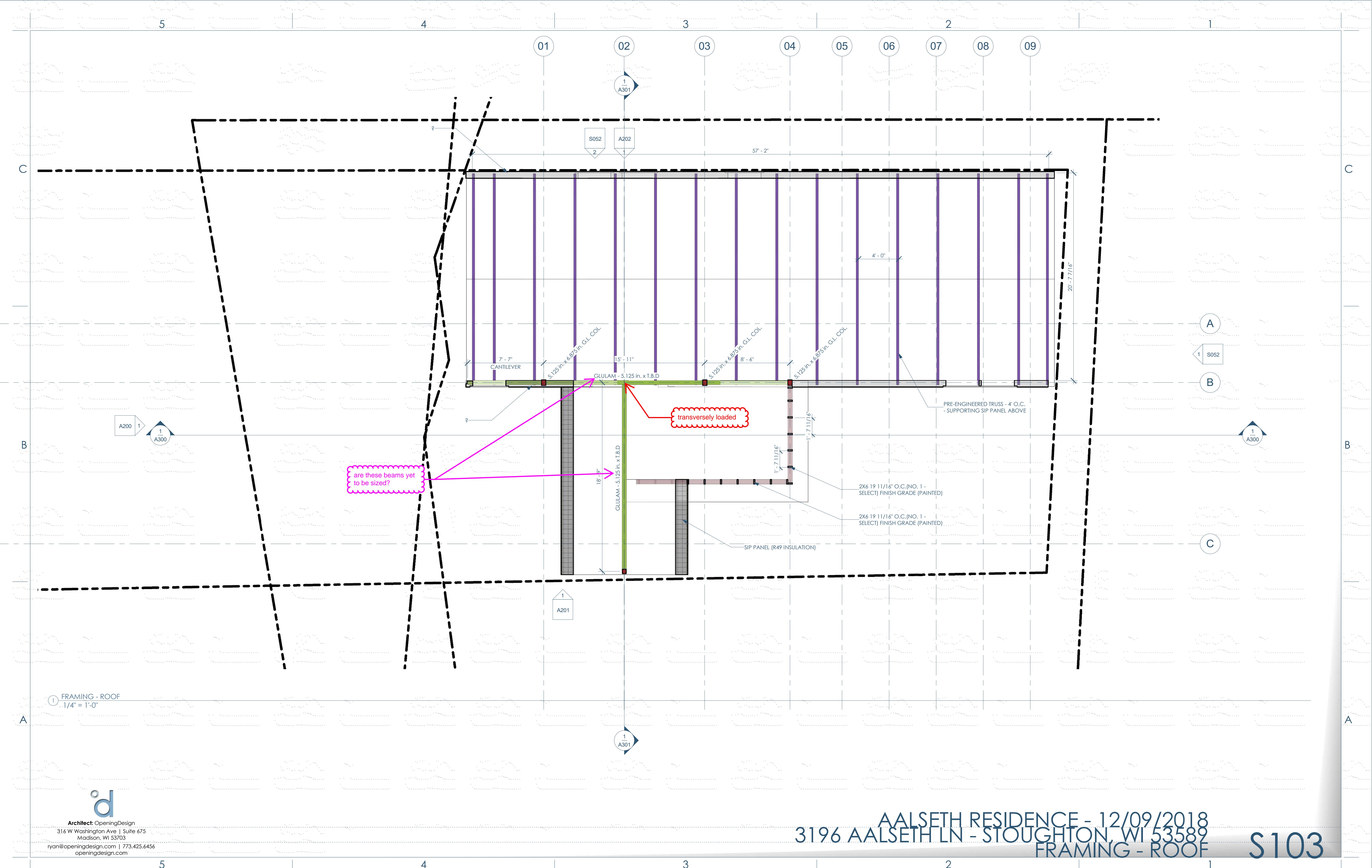
3 WALL SECTION - FOUNDATION AT EAST SIDE OF BOAT HOUSE
3/4" = 1' 0"

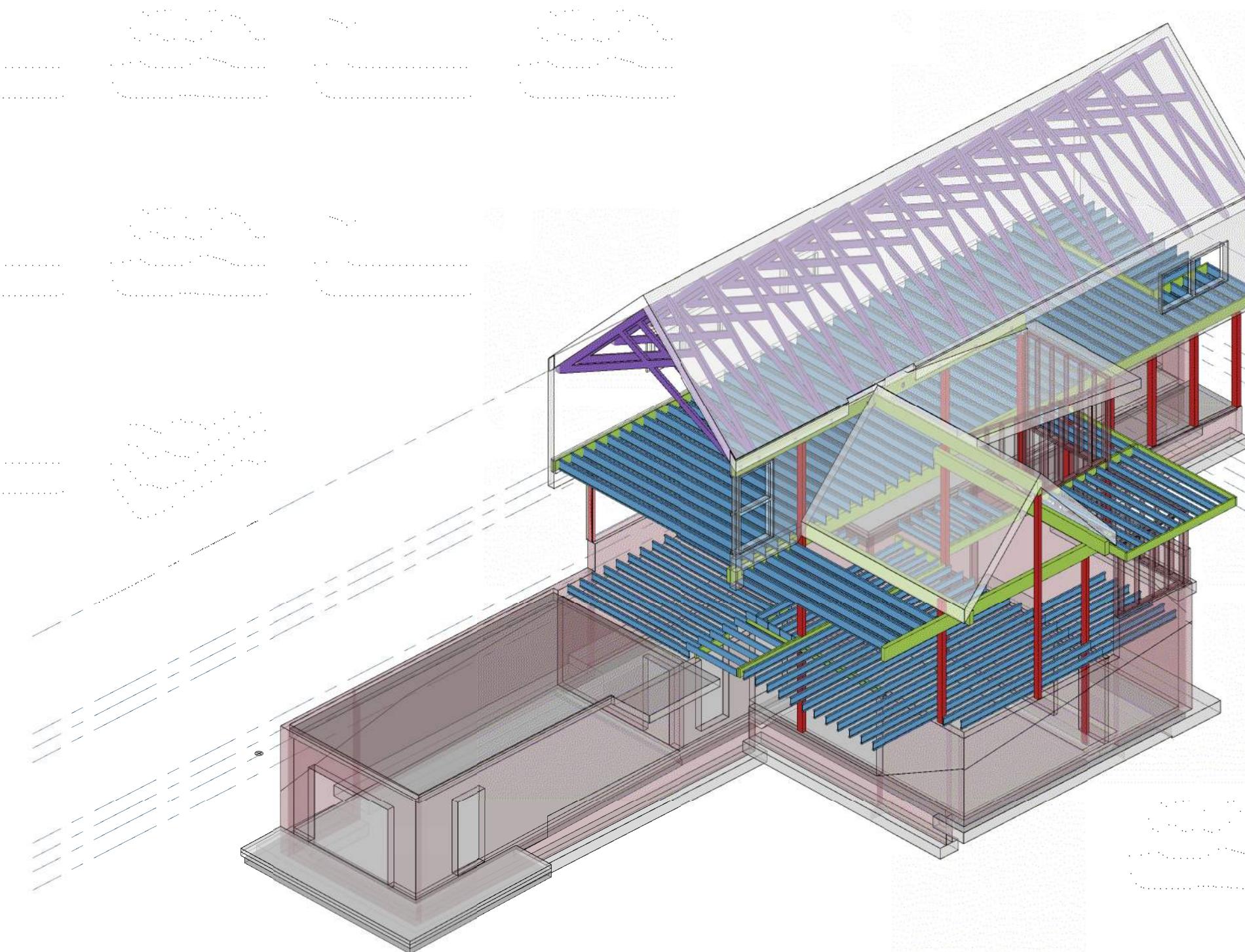


WALL SECTION - FOUNDATION AT STAIR $3\frac{1}{4}'' = 1' 0''$

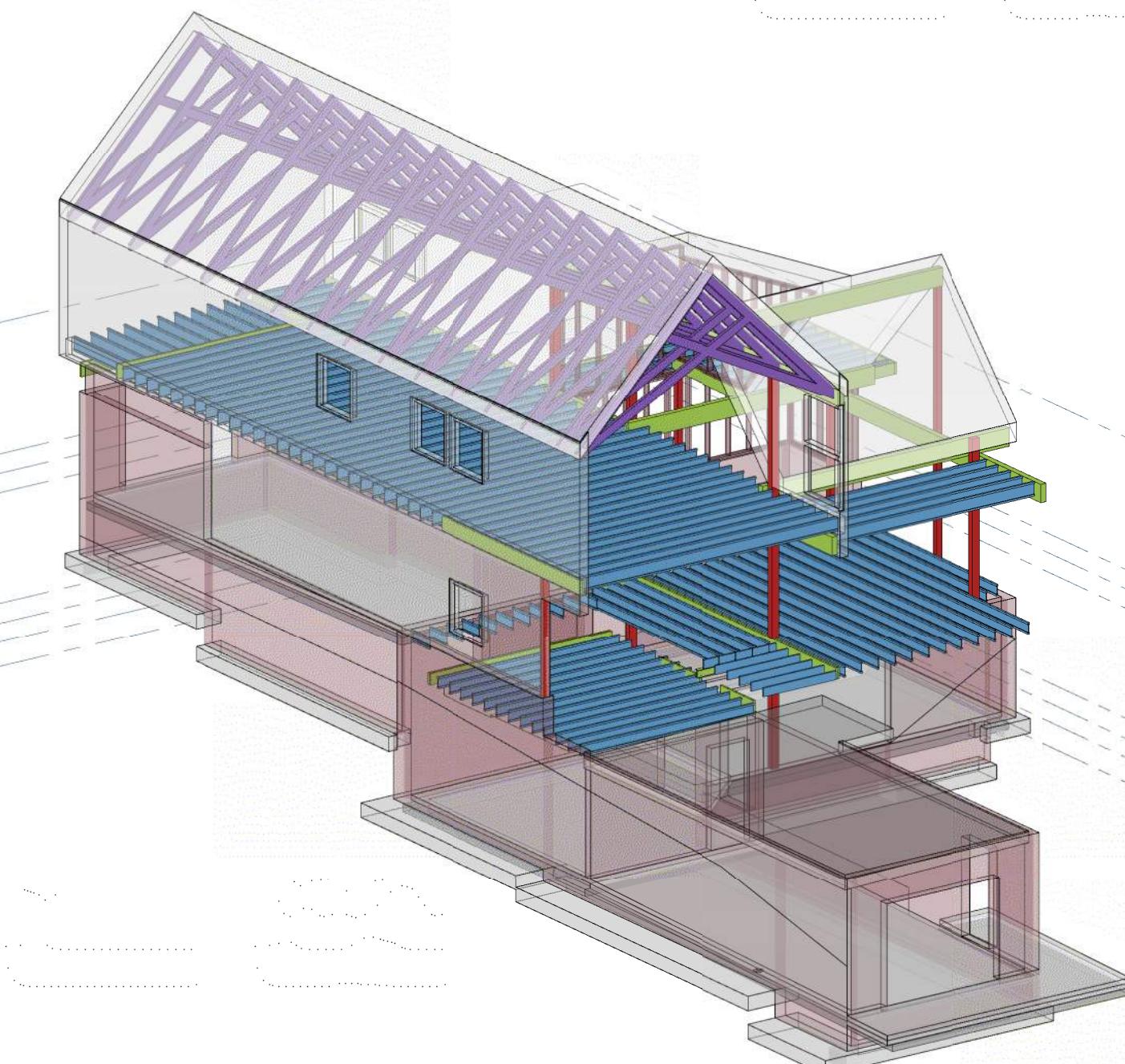




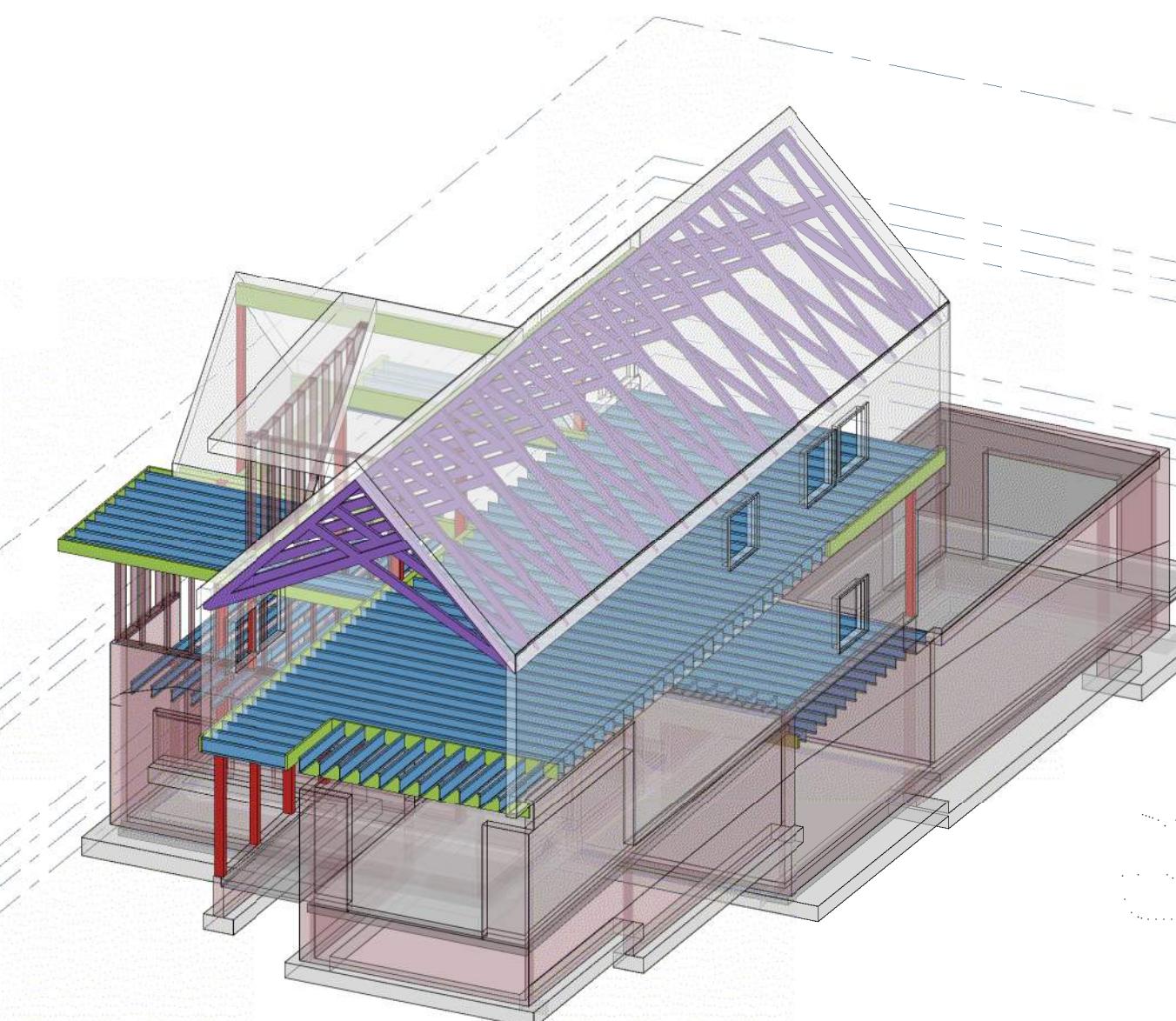




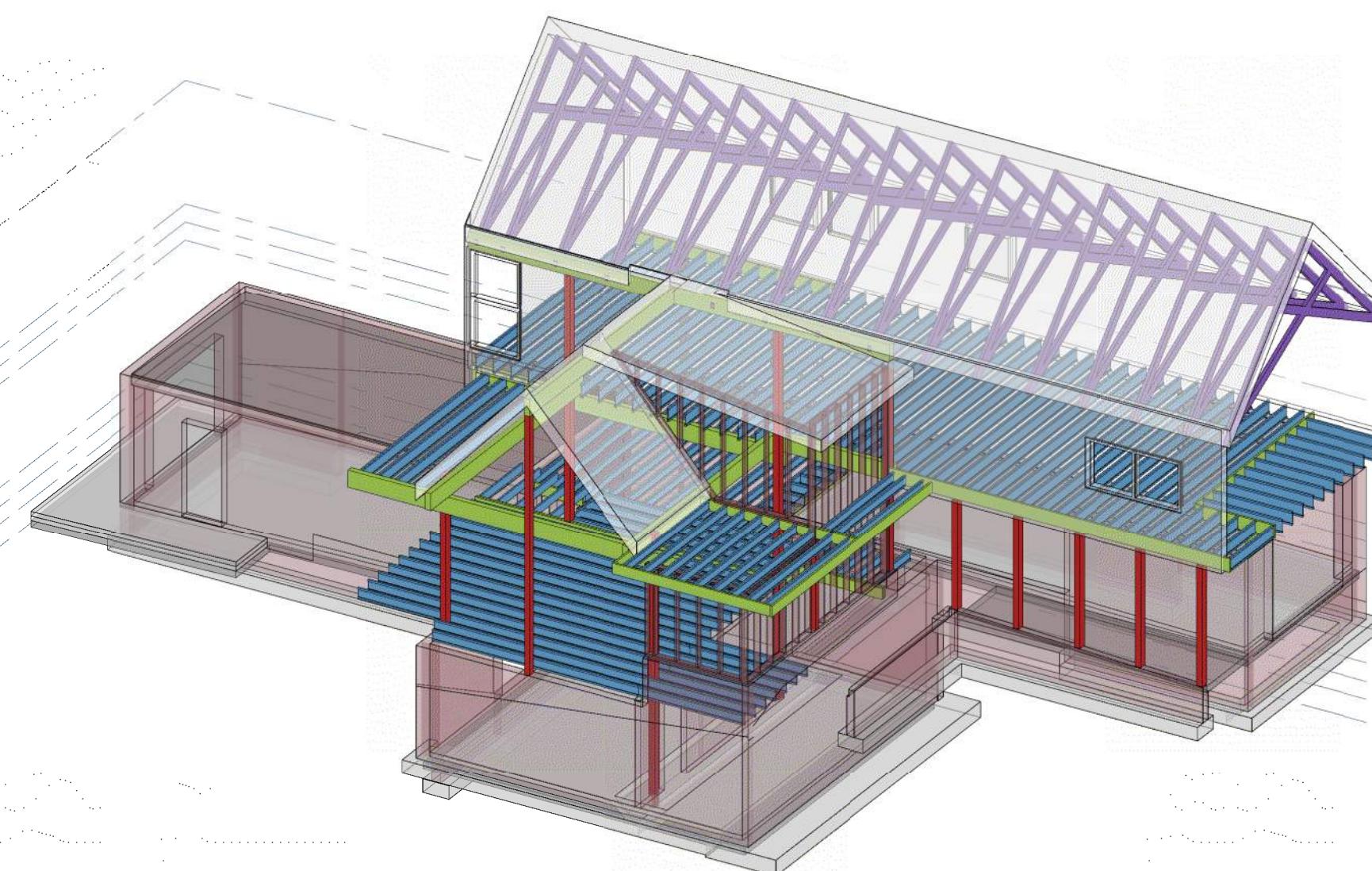
① STRUCTURAL - 3D - NORTHWEST



② STRUCTURAL - 3D - NORTHEAST



③ STRUCTURAL - 3D - SOUTHEAST



④ STRUCTURAL - 3D - SOUTHWEST



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FRAMING - 3D

S150

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