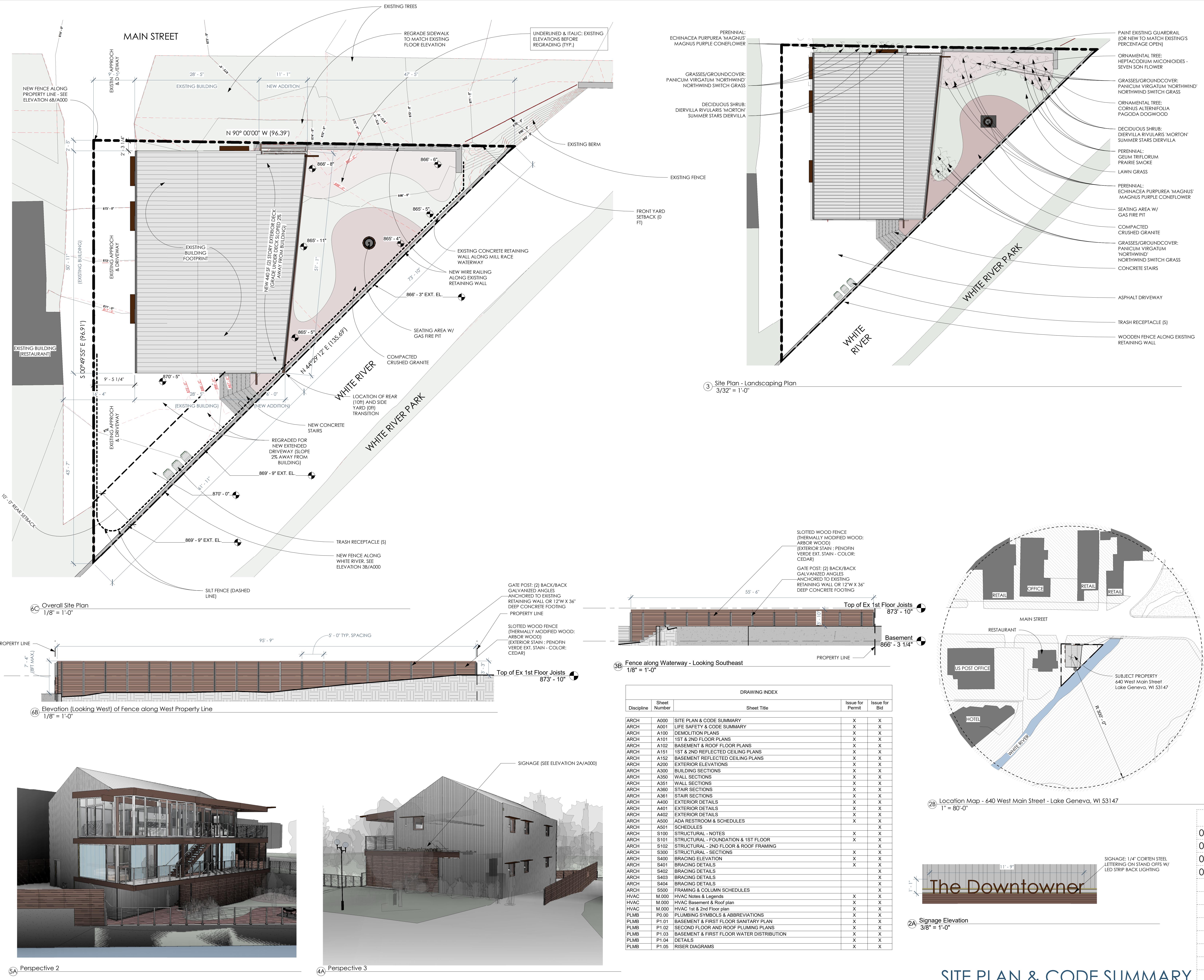
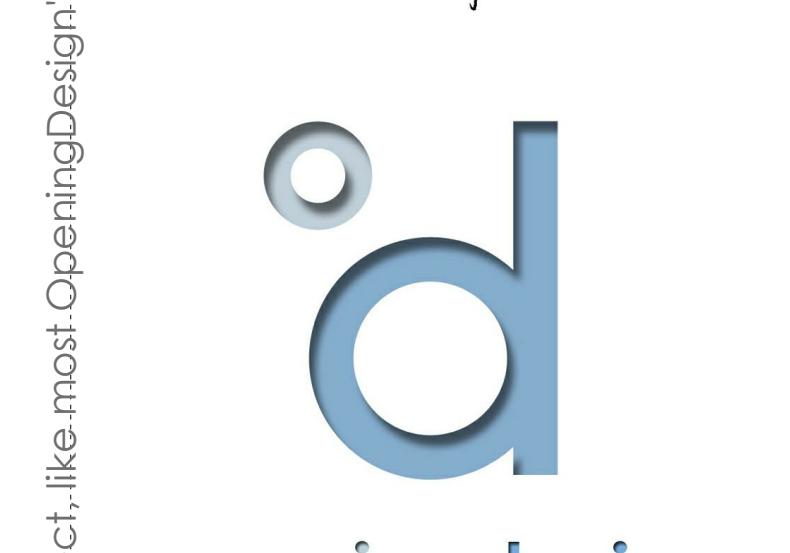


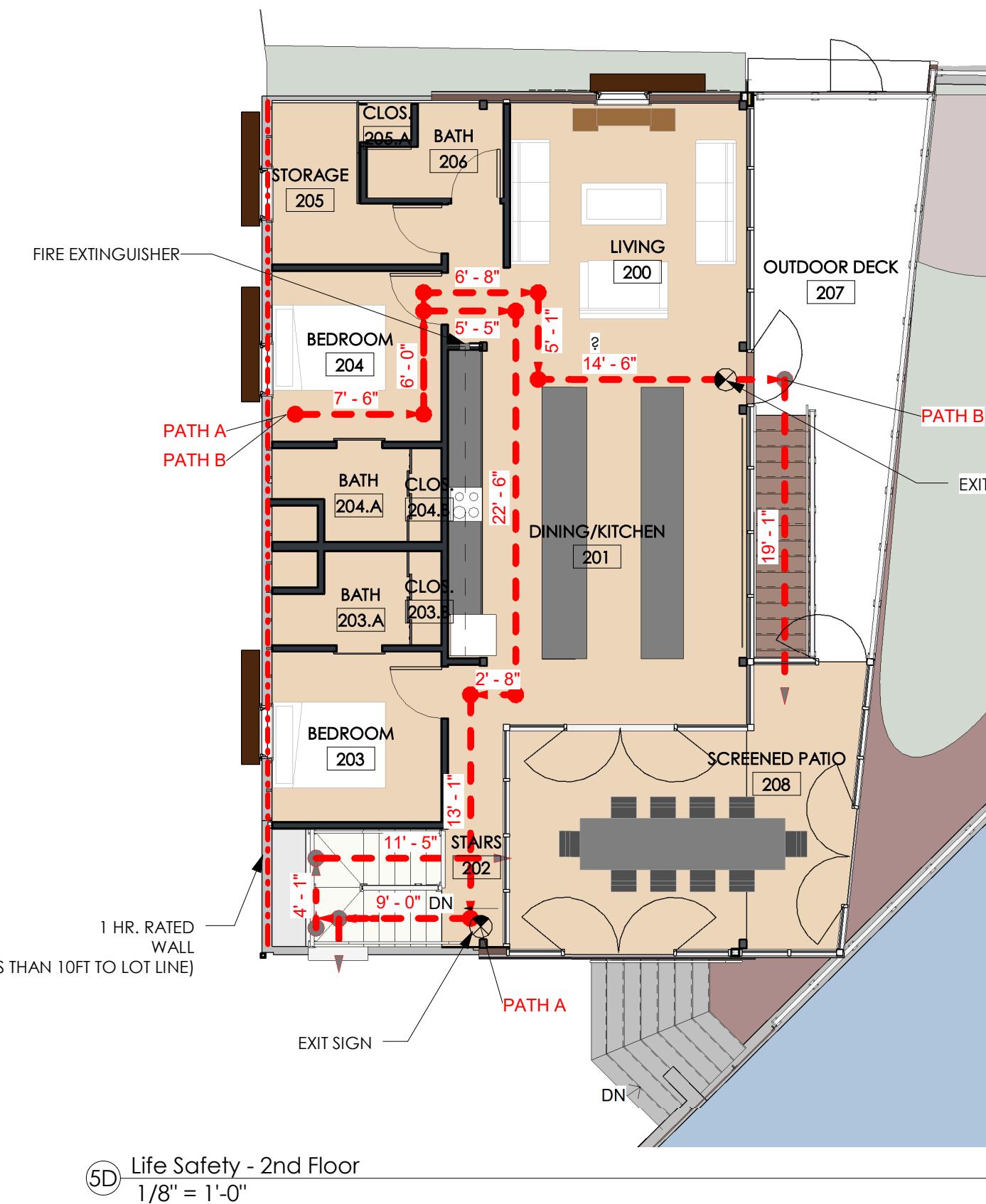
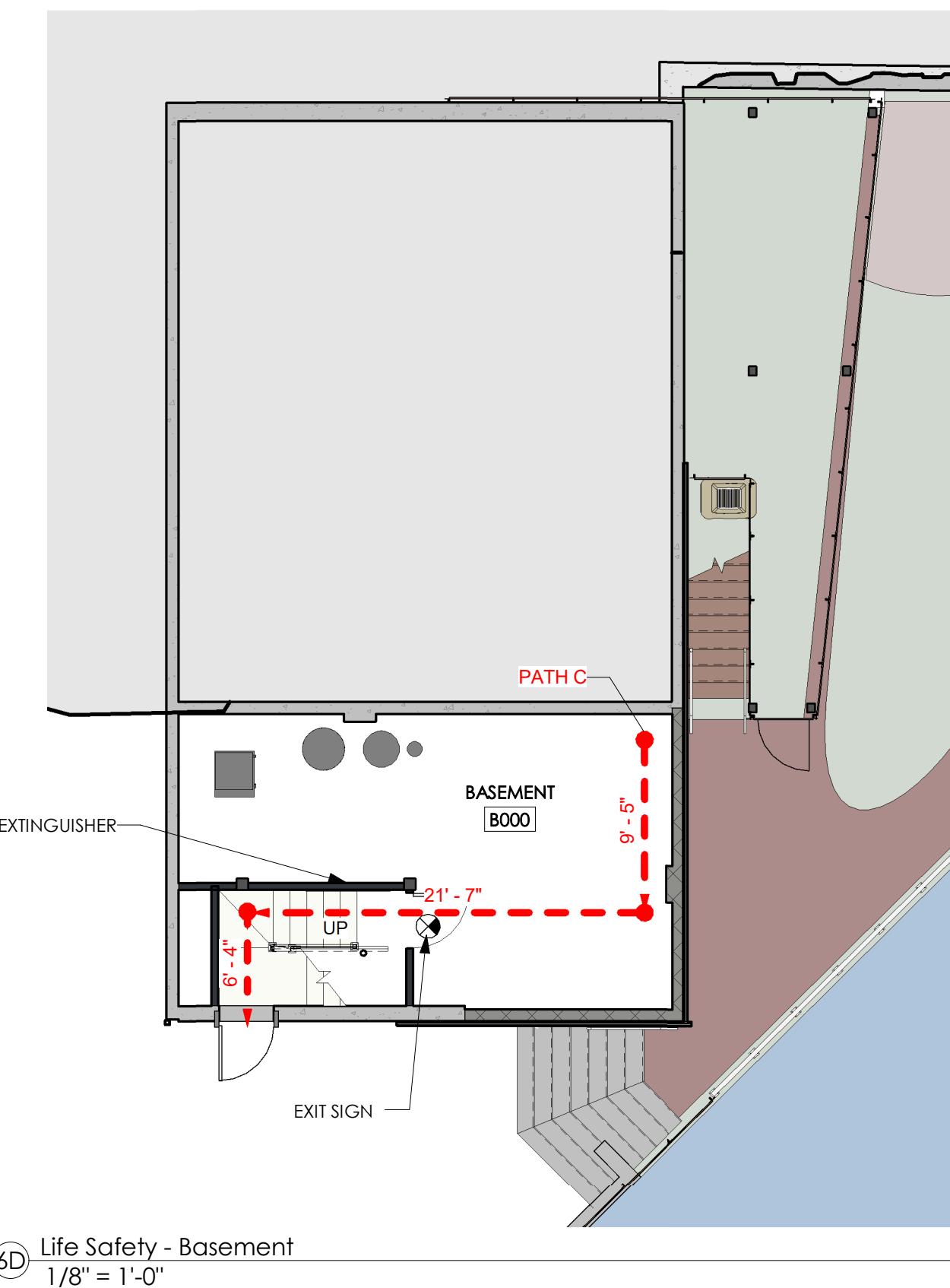
This project, like most OpenIngDesigns projects, is open source. (Attribution-ShareAlike 4.0 International--CC BY-SA 4.0) freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.



Date	Description
04.10.2017	Footing/Foundation Permit
05.03.2017	Issue for Permit
05.22.2017	Issue for Bid
07.25.2017	Zoning Permit



Architect: OpeningDesign
312 W. Lakeside St. | Madison, WI 53175
hello@openingdesign.com | 773-425-6456



EGRESS DATA	
EXIT ROUTE	DISTANCE
PATH A	98' - 6"
PATH B	99' - 2"
PATH C	37' - 4"

OCCUPANCY LOADS PER ROOM						
Level	ROOM #	ROOM NAME	FUNCTION OF SPACE	AREA	OCCUPANT LOAD FACTOR	CODE OCCUPANCY LOAD
Basement	B000	BASEMENT	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	347 SF	300	1.2
Basement	B001	OUTDOOR STORAGE UNDER DECK	UNOCCUPIED	269 SF	0	
Basement: 2				616 SF		1.2
1st Floor	100	BEDROOM	RESIDENTIAL	114 SF	200	0.6
1st Floor	100.A	BATH	UNOCCUPIED	37 SF	0	
1st Floor	100.B	CLOS.	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	6 SF	300	0.0
1st Floor	101	BEDROOM	RESIDENTIAL	128 SF	200	0.6
1st Floor	101.A	BATH	UNOCCUPIED	37 SF	0	
1st Floor	101.B	CLOS.	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	6 SF	300	0.0
1st Floor	102	BEDROOM	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	120 SF	300	0.4
1st Floor	102.A	CLOS.	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	7 SF	300	0.0
1st Floor	102.B	CLOS.	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	5 SF	300	0.0
1st Floor	103	BEDROOM (ADA)	RESIDENTIAL	143 SF	200	0.7
1st Floor	103.A	BATH (ADA)	UNOCCUPIED	54 SF	0	
1st Floor	104	BEDROOM	RESIDENTIAL	117 SF	200	0.6
1st Floor	104.A	BATH	UNOCCUPIED	40 SF	0	
1st Floor	104.B	CLOS.	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	5 SF	300	0.0
1st Floor	105	BEDROOM	RESIDENTIAL	136 SF	200	0.7
1st Floor	105.A	BATH	UNOCCUPIED	35 SF	0	
1st Floor	105.B	CLOS.	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	5 SF	300	0.0
1st Floor	106	CORRIDOR	UNOCCUPIED	168 SF	0	
1st Floor	107	W/D CLOS.	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	17 SF	300	0.1
1st Floor	108	STAIR	UNOCCUPIED	97 SF	0	
1st Floor	109	OUTDOOR DECK	RESIDENTIAL	406 SF	200	2.0
1st Floor: 21				1685 SF		5.8
2nd Floor	200	LIVING	RESIDENTIAL	226 SF	200	1.1
2nd Floor	201	DINING/KITCHEN	RESIDENTIAL	409 SF	200	2.0
2nd Floor	202	STAIRS	UNOCCUPIED	95 SF	0	
2nd Floor	203	BEDROOM	RESIDENTIAL	99 SF	200	0.5
2nd Floor	203.A	BATH	UNOCCUPIED	38 SF	0	
2nd Floor	203.B	CLOS.	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	7 SF	300	0.0
2nd Floor	204	BEDROOM	RESIDENTIAL	99 SF	200	0.5
2nd Floor	204.A	BATH	UNOCCUPIED	38 SF	0	
2nd Floor	204.B	CLOS.	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	7 SF	300	0.0
2nd Floor	205	STORAGE	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	65 SF	300	0.2
2nd Floor	205.A	CLOS.	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	6 SF	300	0.0
2nd Floor	206	BATH	UNOCCUPIED	37 SF	0	
2nd Floor	207	OUTDOOR DECK	UNOCCUPIED	293 SF	200	1.5
2nd Floor	208	SCREENED PATIO	RESIDENTIAL	286 SF	200	1.4
2nd Floor: 14				1705 SF		7.3
Grand total				4005 SF		14.3

TABLE 503 ALLOWABLE BUILDING HEIGHTS AND AREAS				
USE CLASSIFICATION		Type of Construction	Actual number of stories, building height above grade plane, and building area per story.	
		Type V		
		B		
		HEIGHT (feet)	40	≥ 33FT (FROM BASEMENT TO PEAK)
R-1	S	2	≥ 2	
	A	7000	≥ 1870sf (INCLUDING DECKS)	

TABLE 601	
FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (hours)	
BUILDING ELEMENT	TYPE V B
Primary structural frameg (see Section 202)	0
Bearing walls	0
Exterior(f,g)	0
Interior	
Nonbearing walls and partitions Exterior	0
	from Table 602
Nonbearing walls and partitions Interiore	0
Floor construction and secondary members (see Section 202)	0
Roof construction and secondary members (see Section 202)	0

LIFE SAFETY & CODE SUMMARY
The Downtowner | 640 West Main Street, Lake Geneva, WI 53147

most OpenDesign's projects, like this one, are open source (Attribution-ShareAlike 4.0 International-CC BY-SA 4.0) -freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.

FYF LLC.

Zenteno Solutions



Desapex
#1075-B, 10th main, HAL 2nd stage,
Bengaluru -08
HVAC Designer: Desapex
shreenidhi@desapex.com

od

Architect: OpeningDesign
312 W. Lakeside St. | Madison, WI 53715
hello@openingdesign.com | 773-425-6456

Description

Issue for Permit

Issue for Bid

FYF LLC.

Owner: FYF LLC,
43 S Water St E | Fort Atkinson, WI
ilovefunkys@hotmail.com

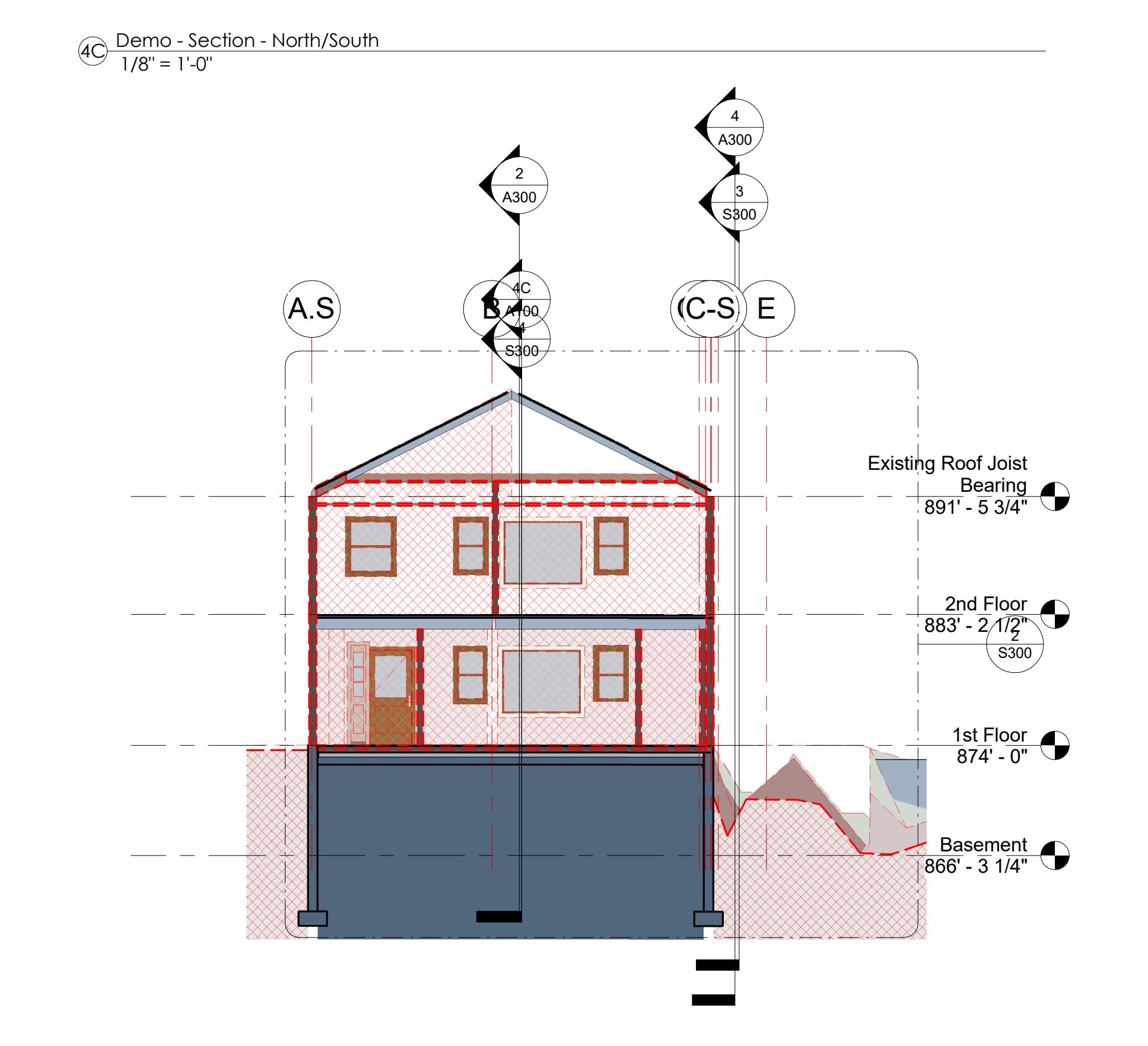
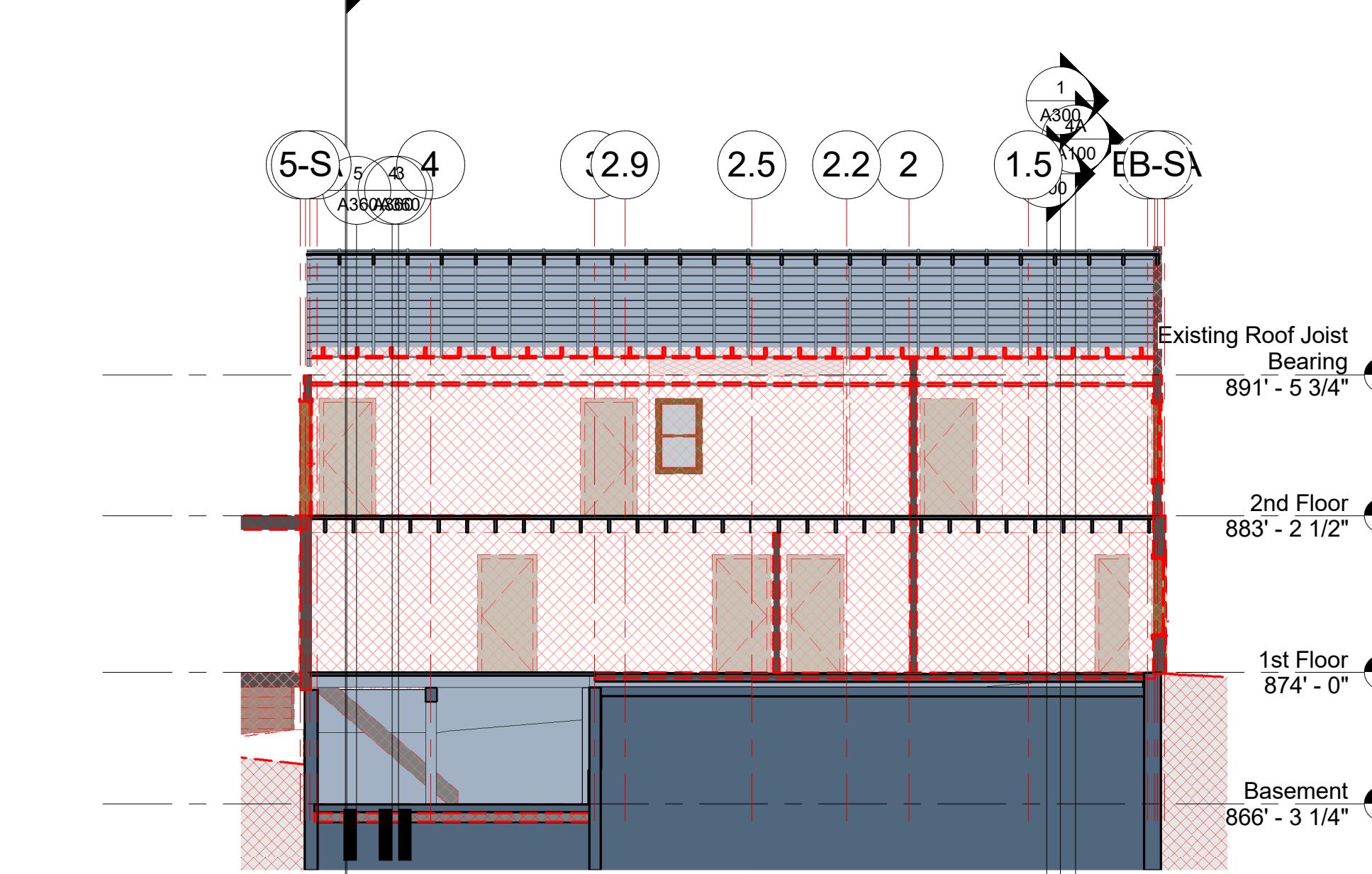
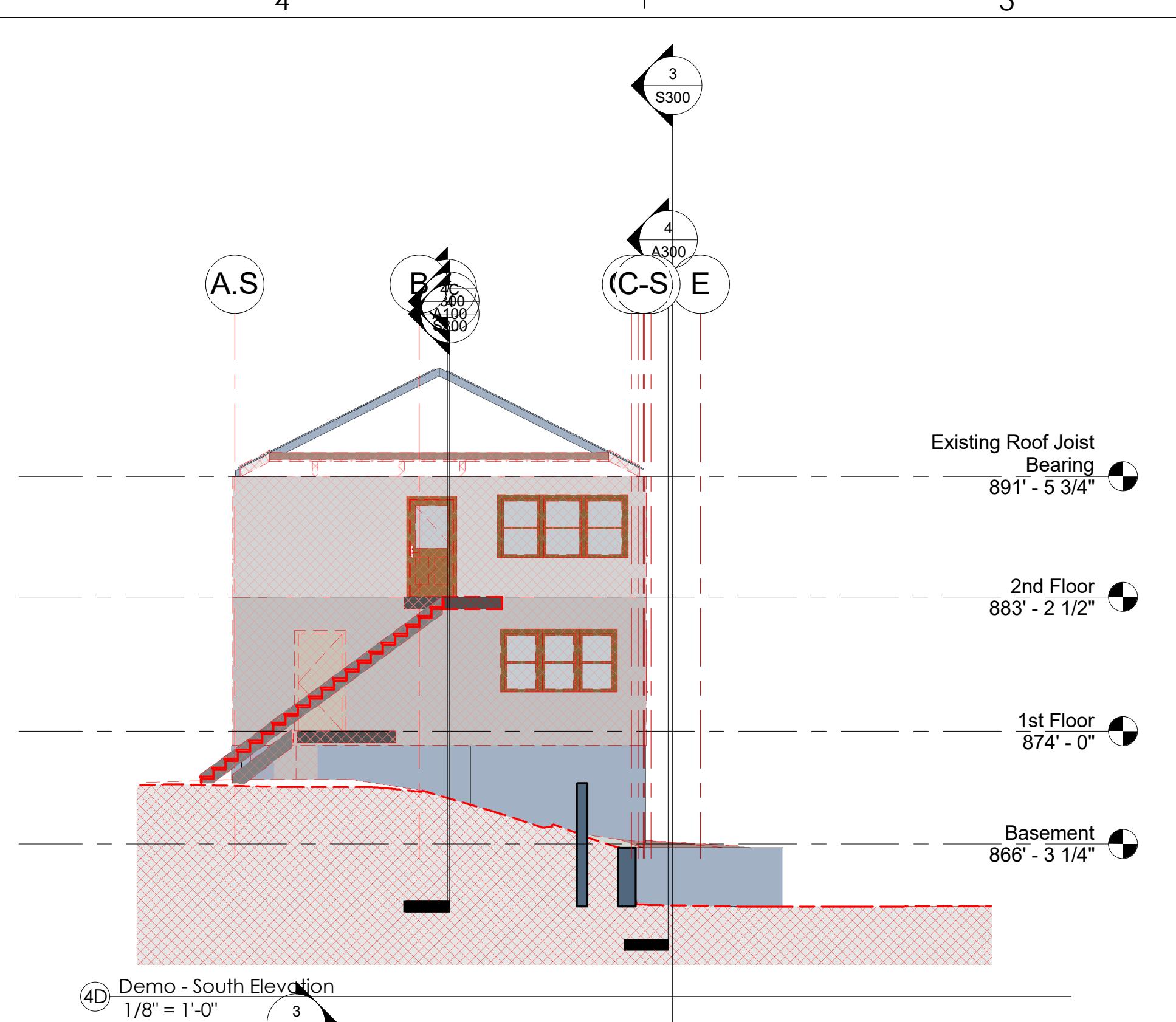
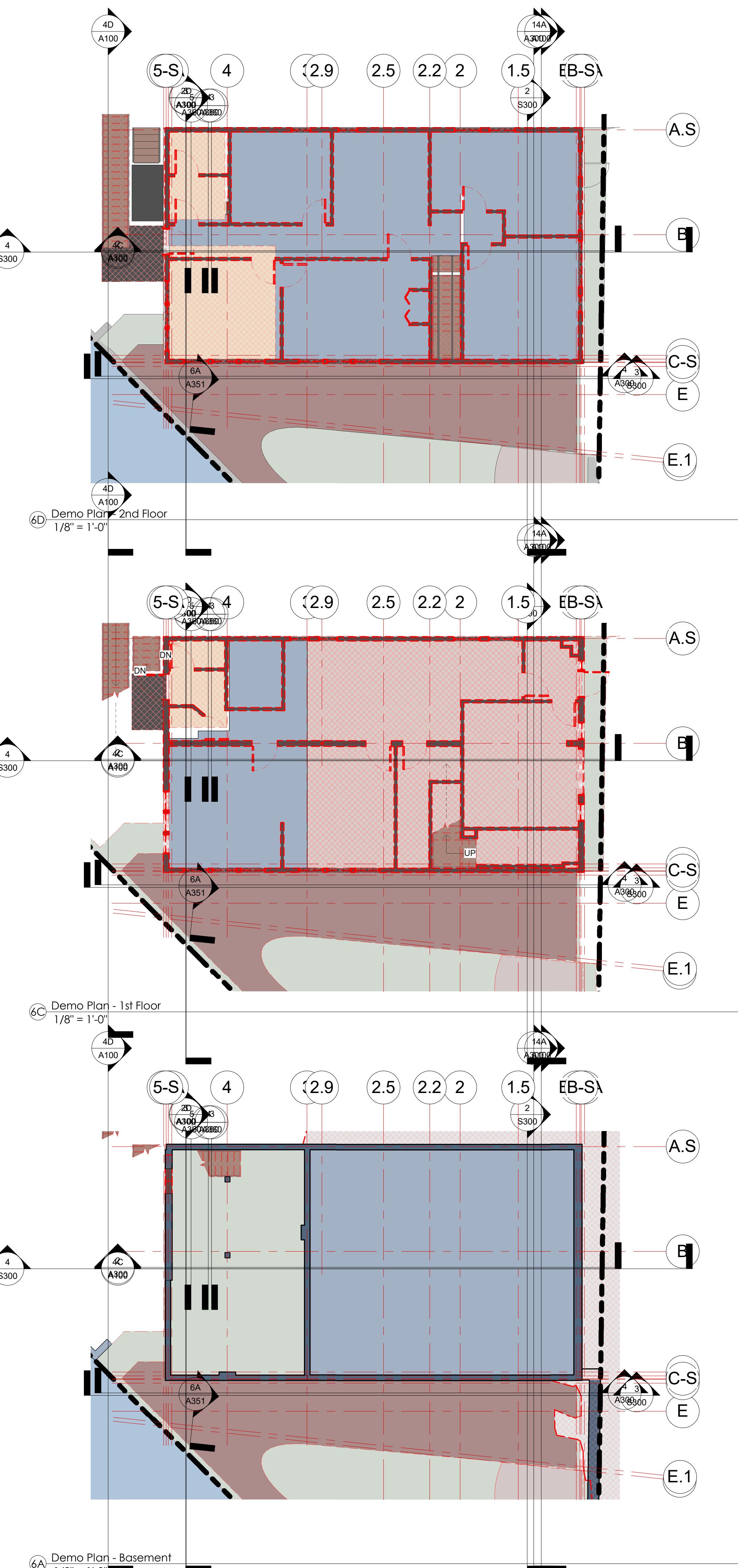
Zenteno Solutions

Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
roberto@zenteno.net | 832.449.9278



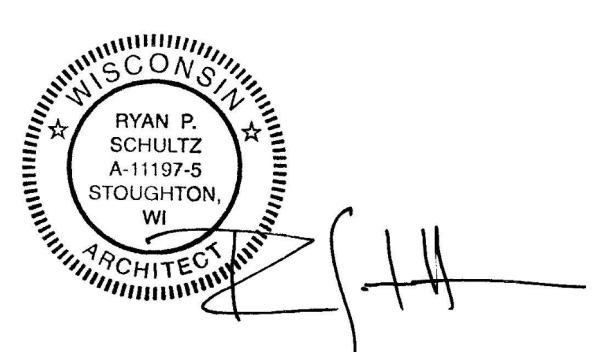
#1075-B, 10th main, HAL 2nd stage,
Bengaluru -08
HVAC Designer: Desapex
shreenidhi@desapex.com

This project, like most OpenDesign's projects, is open source. (Attribution-ShareAlike 4.0 International CC BY-SA 4.0) freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.

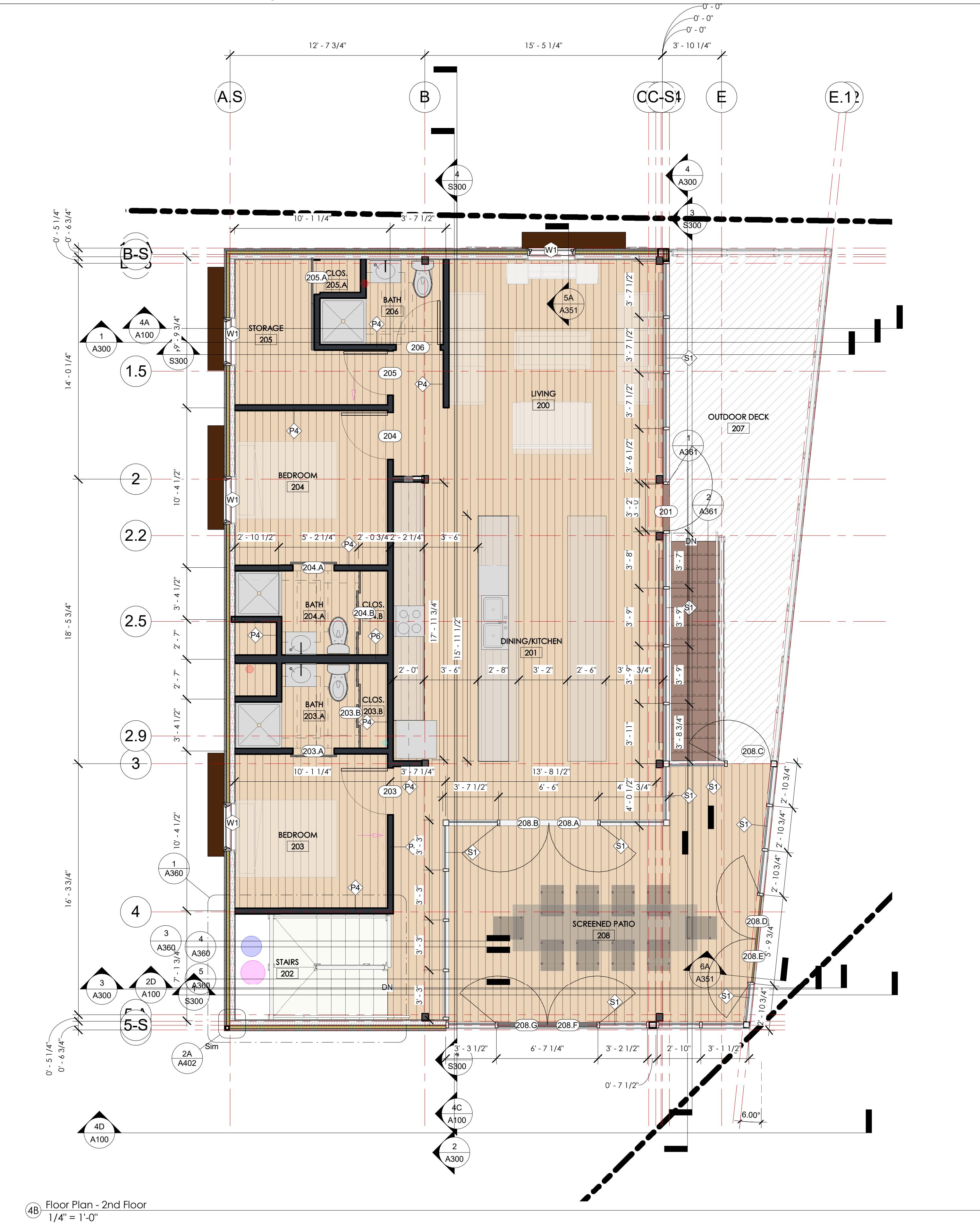


DEMOLITION PLANS
The Downtowner | 640 West Main Street, Lake Geneva, WI 53147
A100
5/21/2017 10:47:42 PM

Date	Description
04.10.2017	Early Start & Footing/Foundation
05.03.2017	Issue for Permit
05.22.2017	Issue for Bid



Architect: OpeningDesign
312 W. Lakeside St. | Madison, WI 53715
hello@openingdesign.com | 773-425-6456



1ST & 2ND FLOOR PLANS
The Downtowner | 640 West Main Street, Lake Geneva, WI 53147

This project, like most OpeningDesign's projects, is open source (Attribution-ShareAlike 4.0 International-CC BY-SA 4.0)-freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.

FYF LLC.

Owner: FYF LLC.
43 S Water St E | Fort Atkinson, WI
ilovefunkys@hotmail.com

Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
roberto@zenteno.net | 832.449.9278

Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
Phone: 214-222-1122 / 412-2272



Desapex

id

Architect: OpeningDesign
W. Lakeside St. | Madison, WI 53715
@openingdesign.com | 773-425-6456

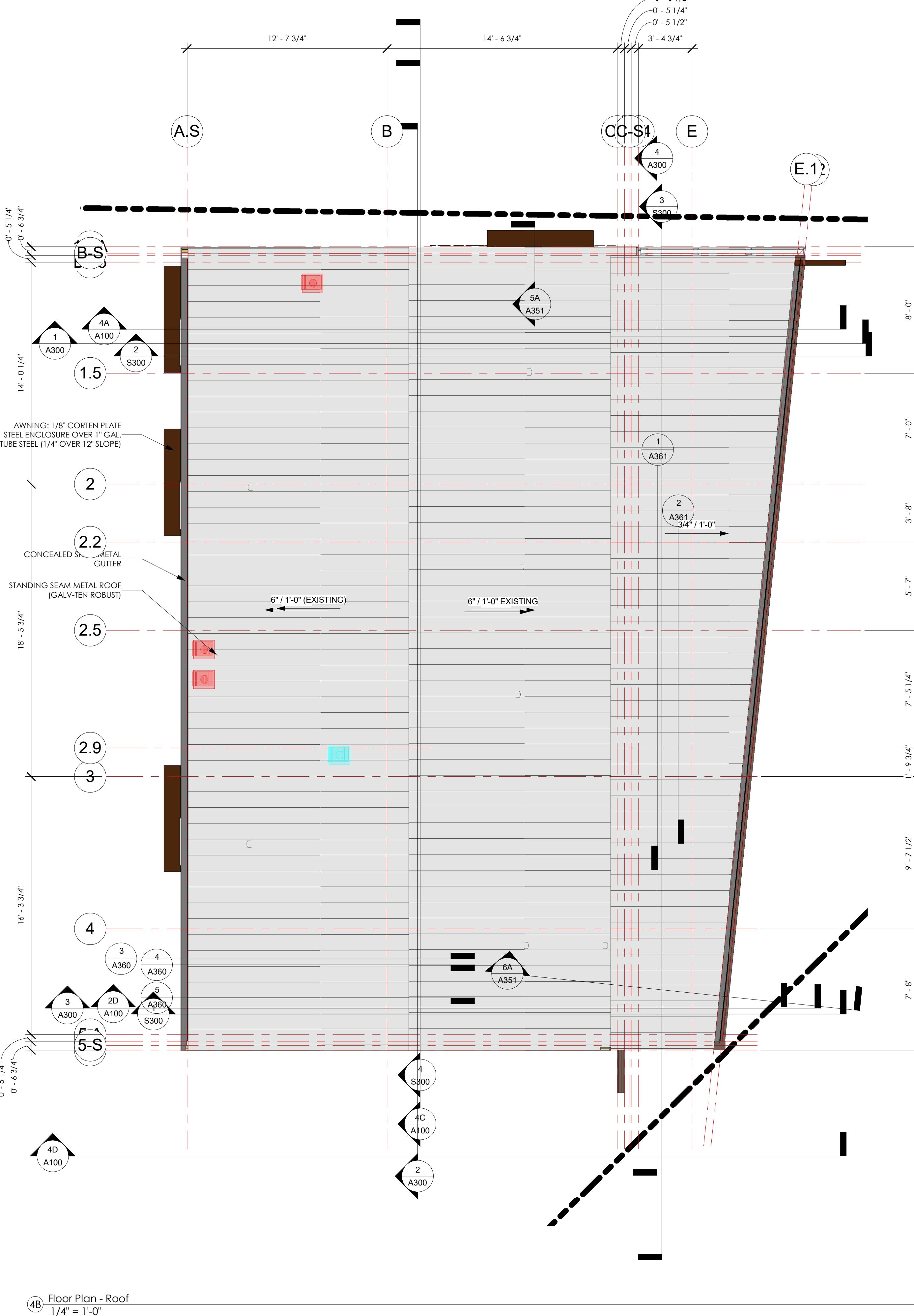
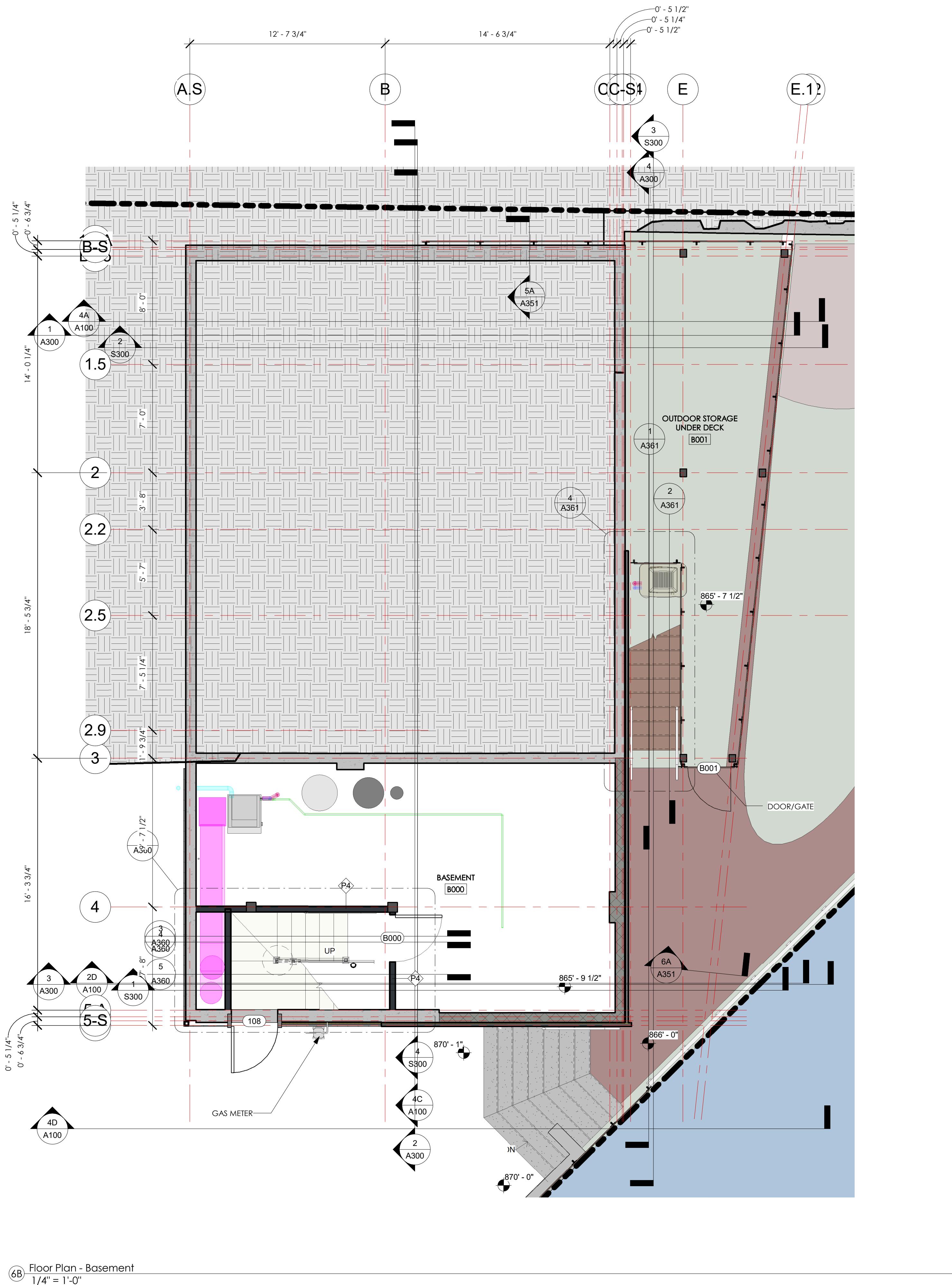
Description

Start & Footing/Foundation

Issue for Permit

Issue for Bid

A101



BASEMENT & ROOF FLOOR PLANS
The Downtowner | 640 West Main Street, Lake Geneva, WI 53147

FYF LLC.

mbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
erto@zenteno.net | 832.449.9278



Desapex

This project, like most OpenDesign's projects, is open source (Attribution-ShareAlike 4.0 International--CC BY-SA 4.0)--freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.

Architect: OpeningDesign
312 W. Lakeside St. | Madison, WI 53715
hello@openingdesign.com | 773-425-6456

FYF LLC.

Owner: FYF LLC,
43 S Water St E | Fort Atkinson, WI
ilovefunkys@hotmail.com

Zenteno Solutions

Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
roberto@zenteno.net | 832.449.9278



Desapex

#1075-B, 10th main, HAL 2nd stage,
Bengaluru -08
HVAC Designer: Desapex
shreenidhi@desapex.com

This project, like most OpenDesign's projects, is open source. (Attribution-ShareAlike 4.0 International CC BY-SA 4.0) freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.



FYF LLC.

Owner: FYF LLC,
43 S Water St E | Fort Atkinson, WI
ilovefunkys@hotmail.com

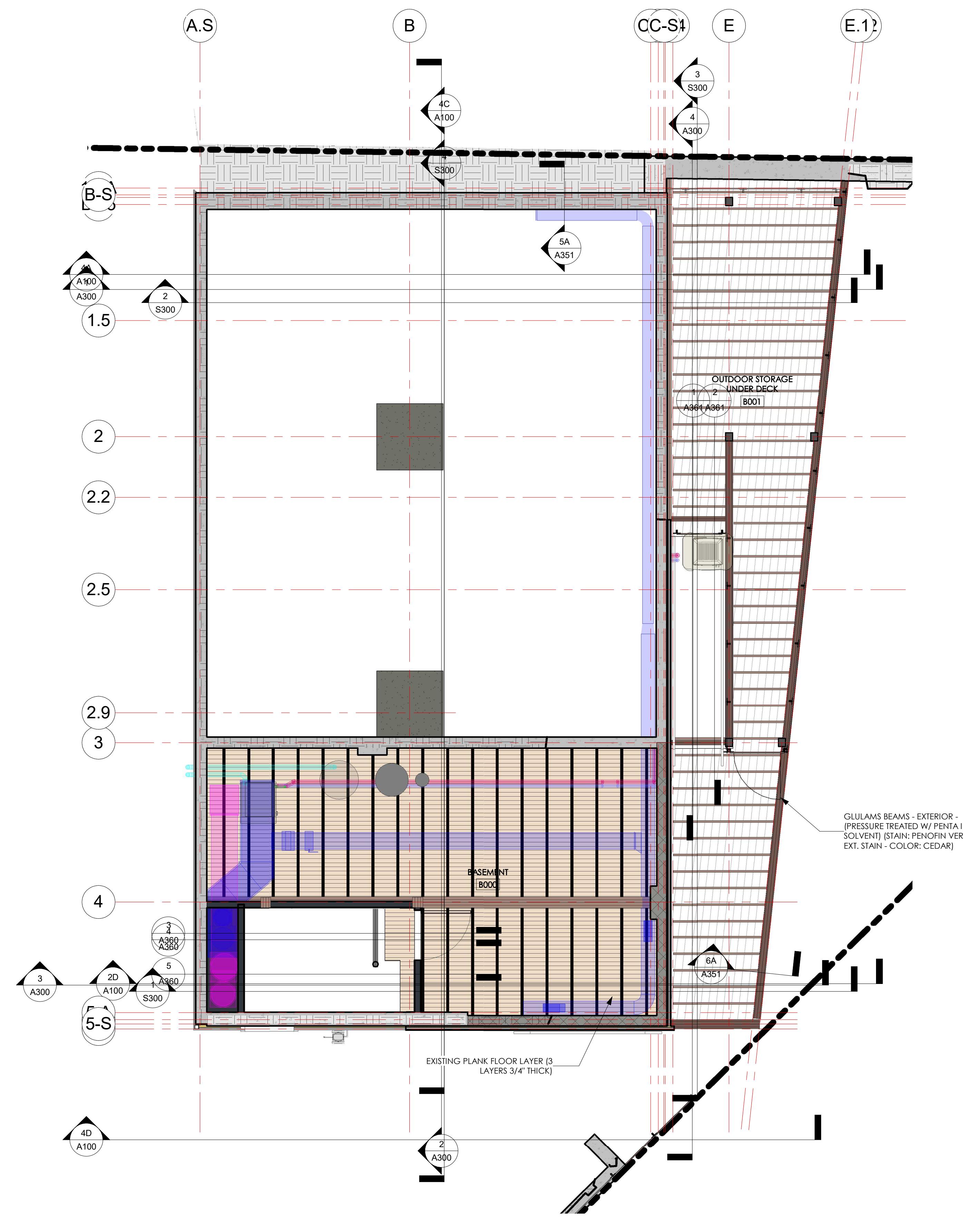
Zenteno Solutions

Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
roberto@zenteno.net | 832.449.9278



Desapex

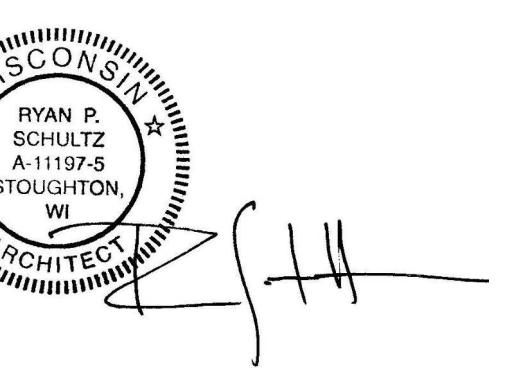
#1075-B, 10th main, HAL 2nd stage,
Bengaluru -08
HVAC Designer: Desapex
shreenidhi@desapex.com



6B Reflected Ceiling Plan - Basement

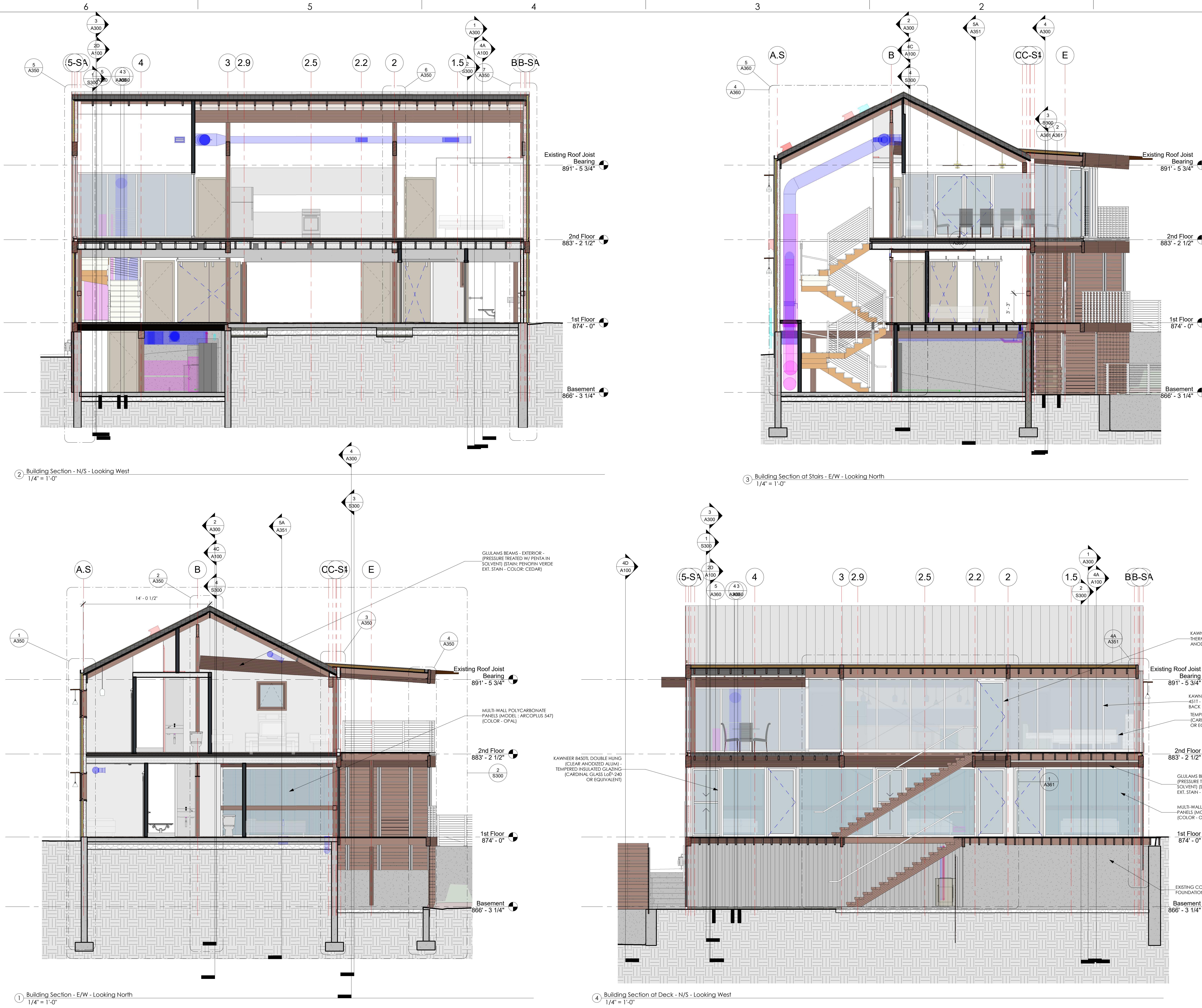
1/4" = 1'-0"

This project, like most OpenDesign's projects, is open source. (Attribution-ShareAlike 4.0 International CC BY-SA 4.0) freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.



Architect: OpeningDesign
312 W. Lakeside St. | Madison, WI 53715
hello@openingdesign.com | 773-425-6456

Date	Description
05.03.2017	Issue for Permit
05.22.2017	Issue for Bid



BUILDING SECTIONS
The Downtowner | 640 West Main Street, Lake Geneva, WI 53147

The Downtowner | 640 West Main Street, Lake Geneva, WI 53147

FYF LLC.

Owner: FYF LLC.
3 S Water St E | Fort Atkinson, WI
ilovefunkys@hotmail.com

Zenteno Solutions

mbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
berto@zenteno.net | 832.449.9278



Desapex

red.

The logo for Zenteno Solutions features the company name in a large, bold, black font. The letters are slightly slanted and have a three-dimensional, metallic appearance.

Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
roberto@zenteno.net | 832.449.9278

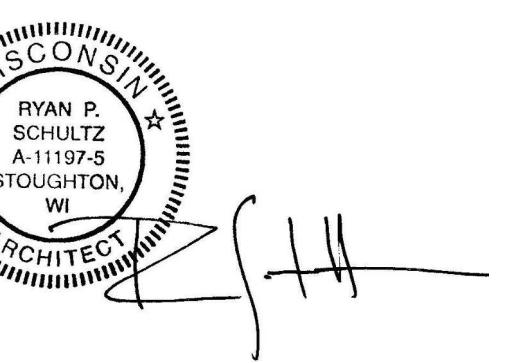
The Desapex logo consists of a stylized, three-dimensional blue cube with white edges. Below the cube, the word "Desapex" is written in a large, bold, black sans-serif font.

#1075-B, 10th main, HAL 2nd stage,
Bengaluru -08
HVAC Designer: Desapex
shreenidhi@desapex.com

This project, like most OpenDesign projects, is open source (Attribution-ShareAlike 4.0 International-CC BY-SA 4.0) --freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are met.

Description

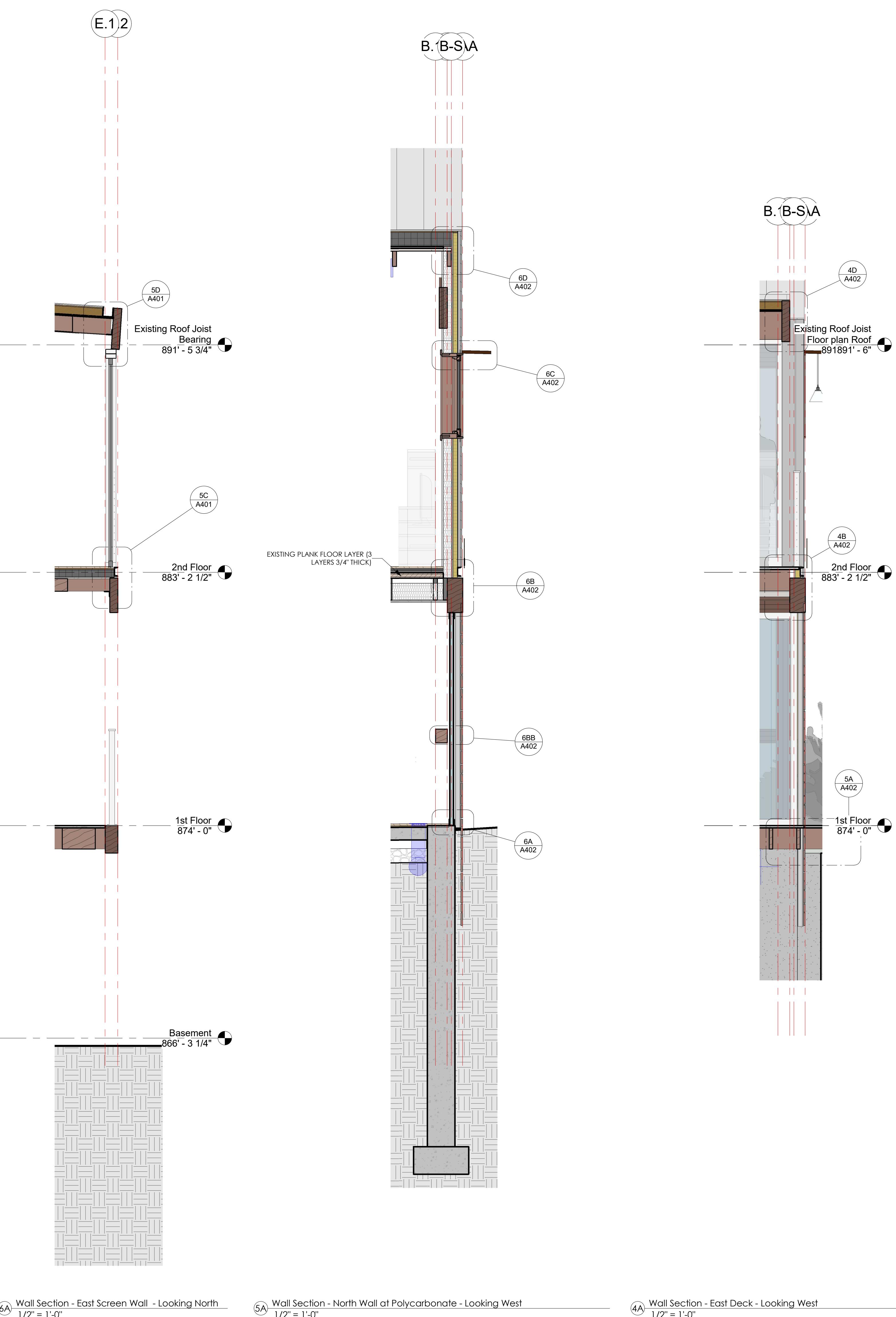
7 Early Start & Footing/Foundation
7 Issue for Permit
7 Issue for Bid



This project, like most OpenDesign's projects, is open source. (Attribution-ShareAlike 4.0 International CC BY-SA 4.0) freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.

Date	Description
04.10.2017	Early Start & Footing/Foundation
05.03.2017	Issue for Permit
05.22.2017	Issue for Bid

WALL SECTIONS
A351
The Downtowner | 640 West Main Street, Lake Geneva, WI 53147
5/21/2017 10:48:31 PM



FYF LLC.

Owner: FYF LLC,
43 S Water St E | Fort Atkinson, WI
ilovefunkys@hotmail.com

Zenteno Solutions

Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
roberto@zentenosolutions.net | 832.449.9278



Desapex

#1075-B, 10th main, HAL 2nd stage,
Bengaluru -08
HVAC Designer: Desapex
shreenidhi@desapex.com

WISCONSIN
FIRM P.
SCHULTZ
A-111075
STEVENS
WI
ARCHITECT
[Signature]



openingdesign
Architect: OpeningDesign
312 W. Lakeside St. | Madison, WI 53715
hello@openingdesign.com | 773-425-6456

.....

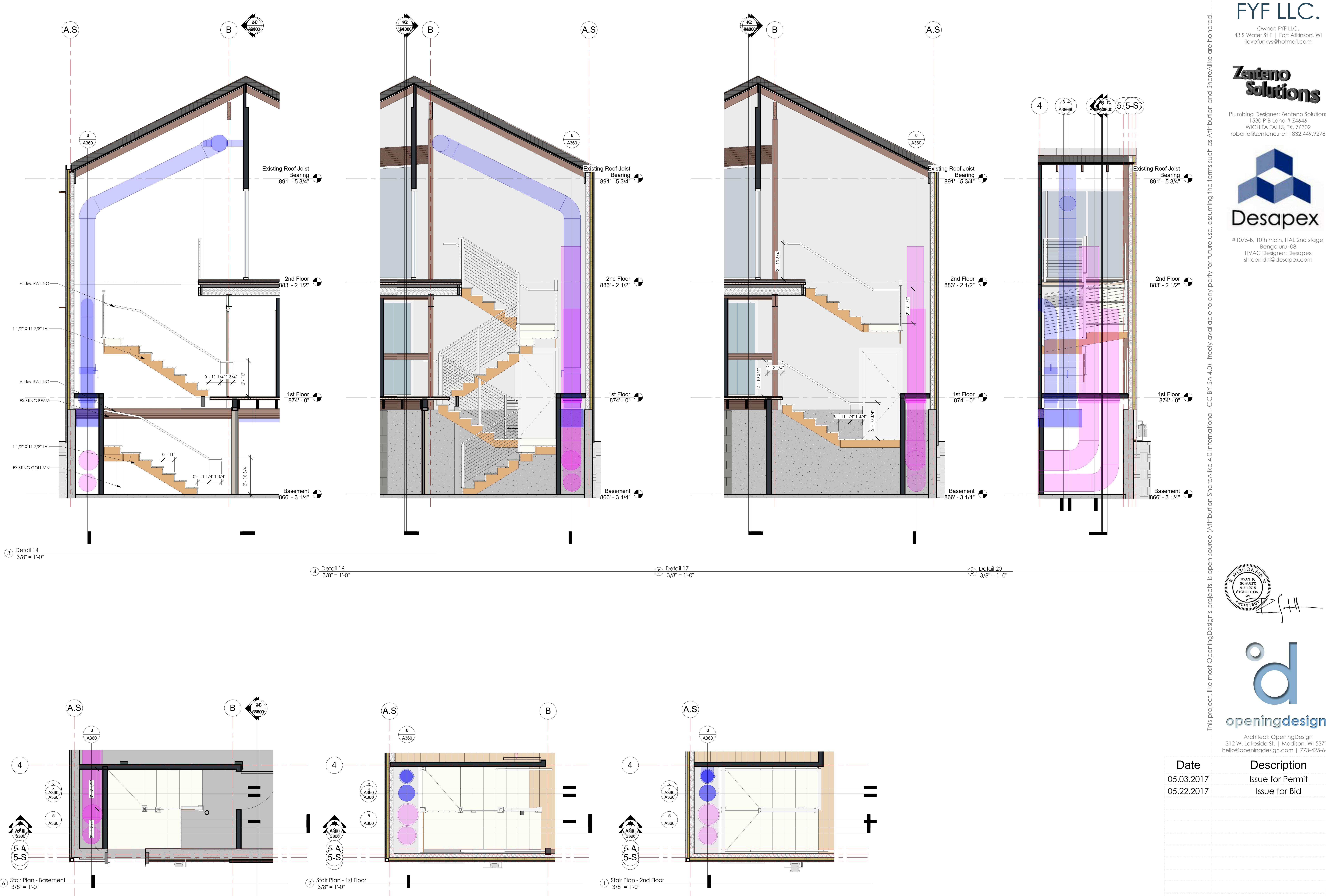
This project, like most OpeningsDesign's projects, is open source. (Attribution-ShareAlike 4.0 International CC BY-SA 4.0) freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.

Date	Description
05.03.2017	Issue for Permit
05.22.2017	Issue for Bid

STAIR SECTIONS

The Downtowner | 640 West Main Street, Lake Geneva, WI 53147

A360



5/21/2017 10:48:34 PM



E

E

D

C

B

A

6

5

4

3

2

1

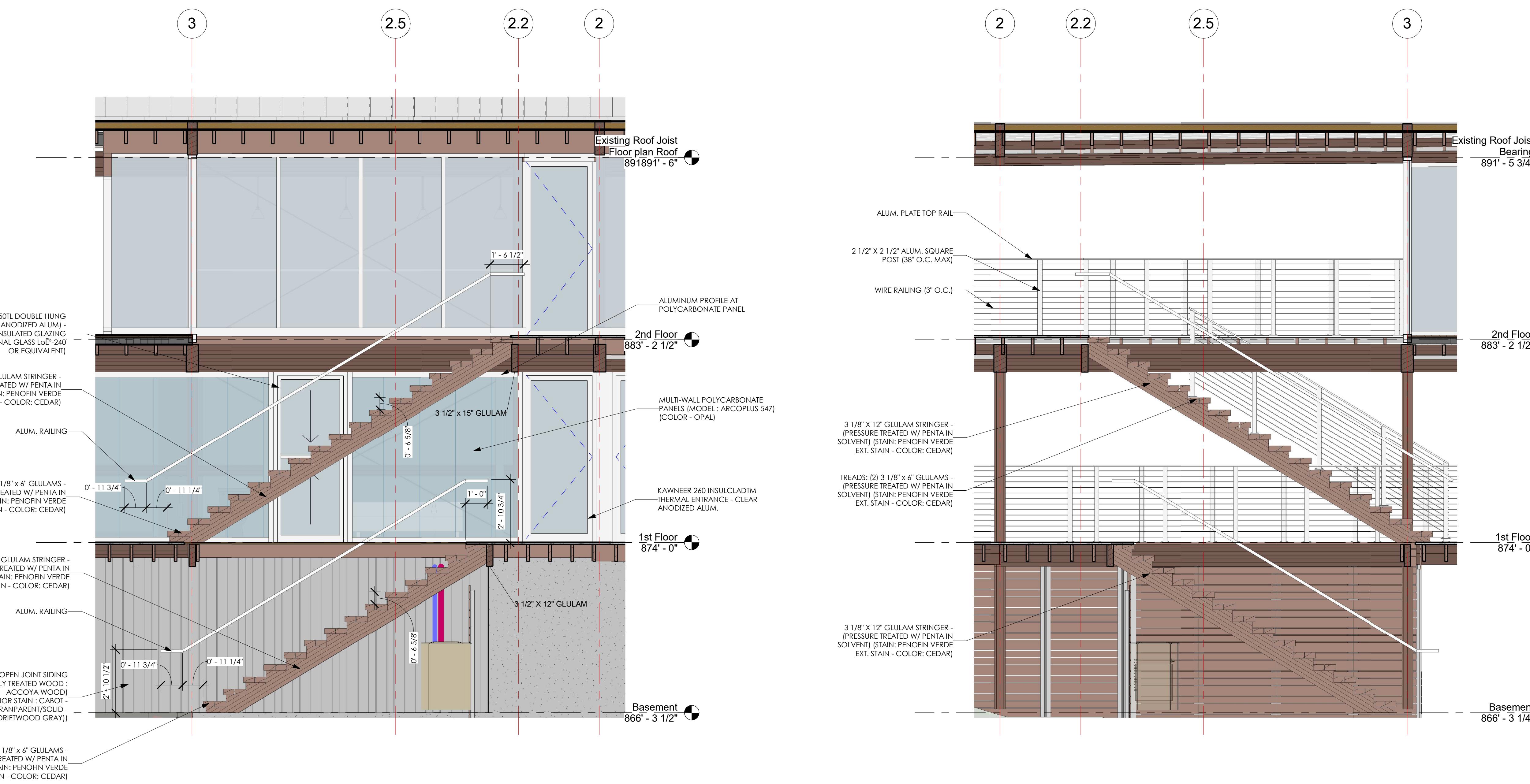
E

D

C

B

A

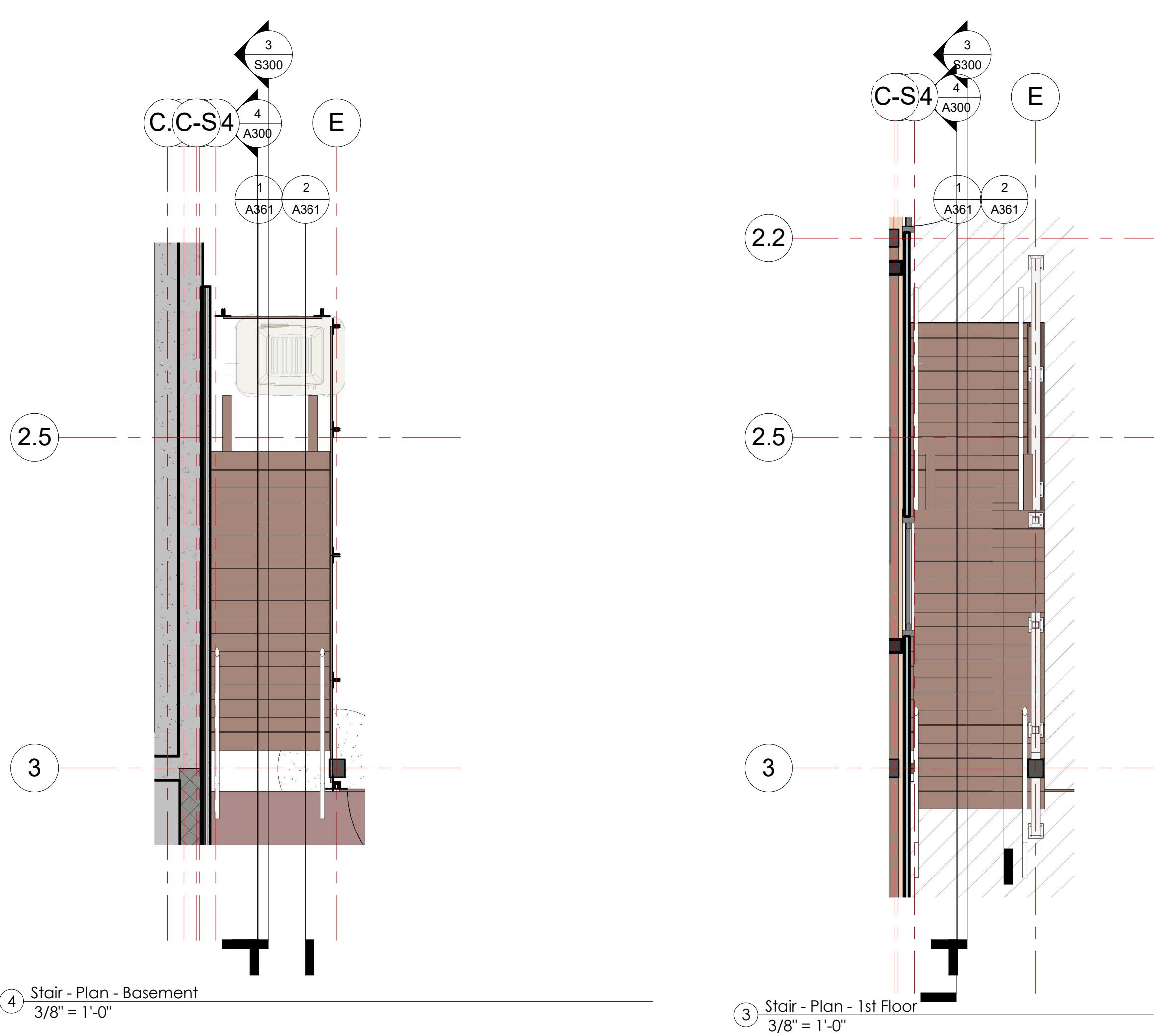


① Detail 13

3/8" = 1'-0"

② Detail 12

3/8" = 1'-0"



④ Stair - Plan - Basement

3/8" = 1'-0"

③ Stair - Plan - 1st Floor

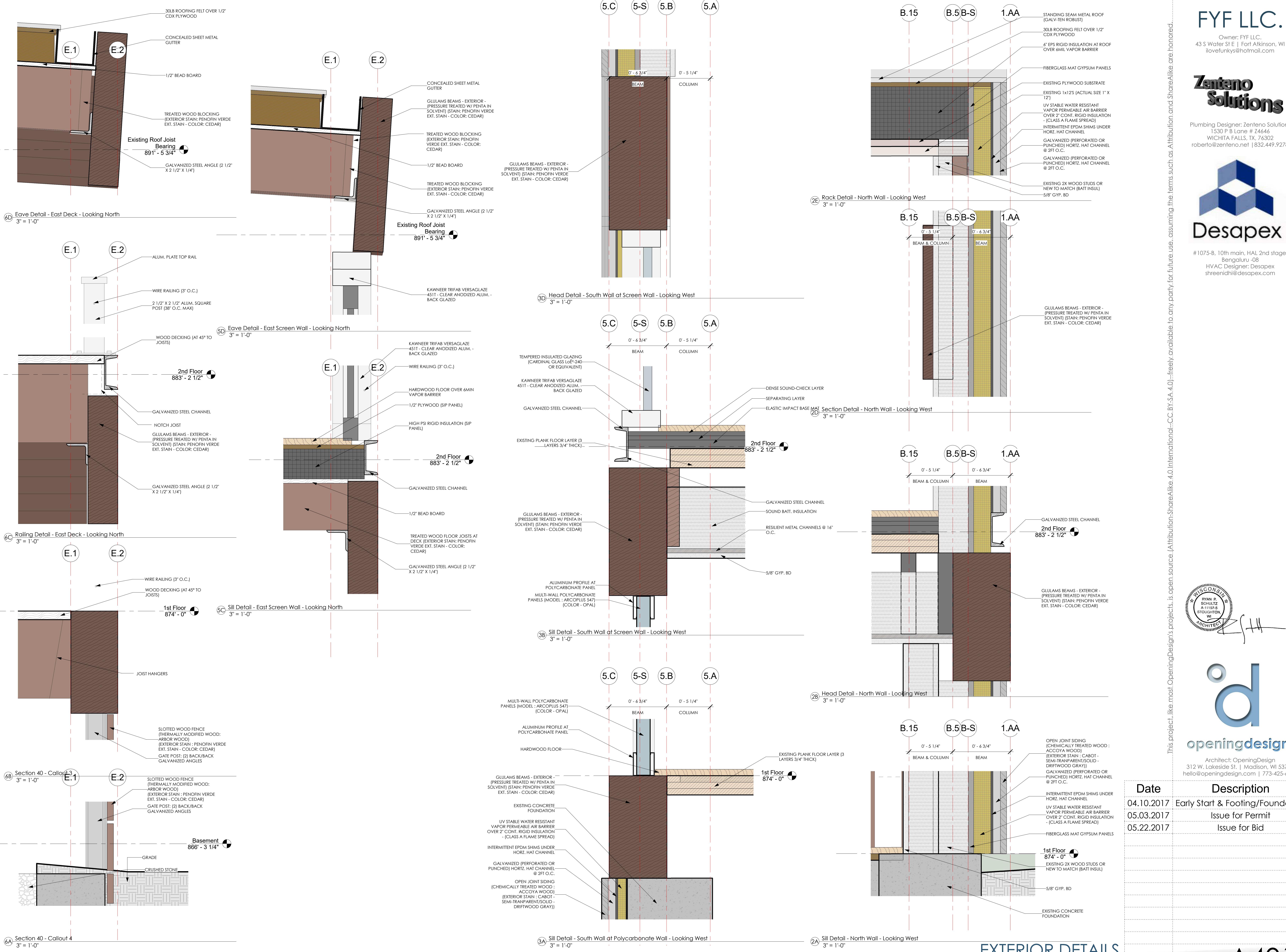
3/8" = 1'-0"

Date	Description
05.03.2017	Issue for Permit
05.22.2017	Issue for Bid

This project, like most OpenDesign's projects, is open source. (Attribution-ShareAlike 4.0 International CC BY-SA 4.0) freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.







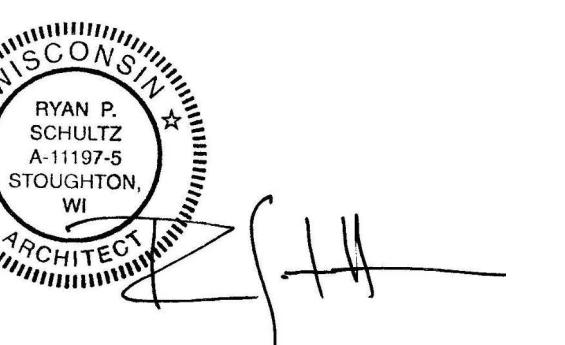
FYF LLC.
 Owner: FYF LLC,
 43 S Water St E | Fort Atkinson, WI
 ilovefunkys@hotmail.com

Zenteno
 Solutions

Plumbing Designer: Zenteno Solutions
 1530 P B Lane # Z4646
 WICHITA FALLS, TX, 76302
 roberto@zenteno.net | 832.449.9278



Desapex
 #1075-B, 10th main, HAL 2nd stage,
 Bengaluru -08
 HVAC Designer: Desapex
 shreenidhi@desapex.com



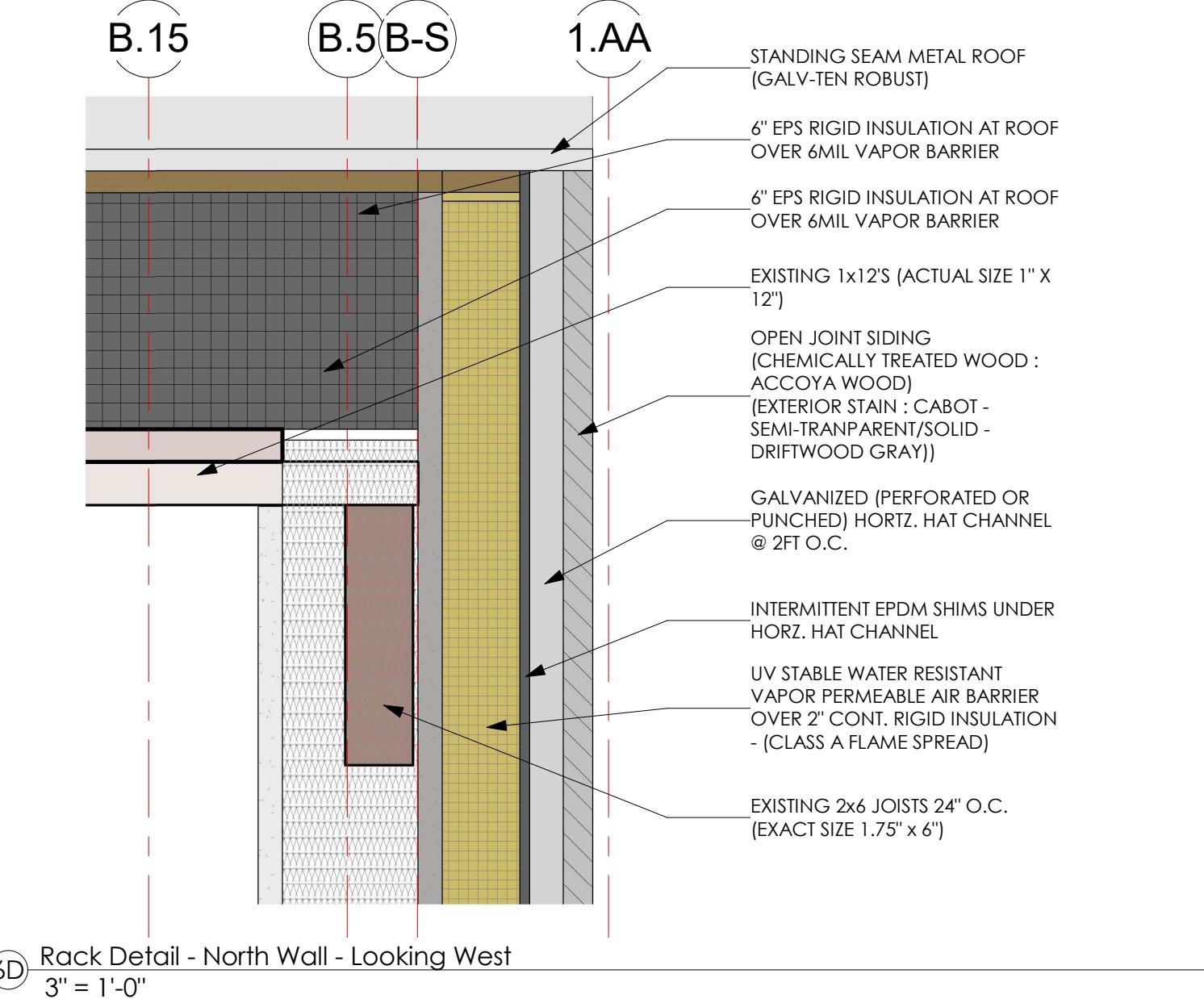
openinge
 design
 Architect: OpeningDesign
 312 W. Lakeside St. | Madison, WI 53715
 hello@openingdesign.com | 773-425-6456

A401

5/21/2017 10:48:48 PM

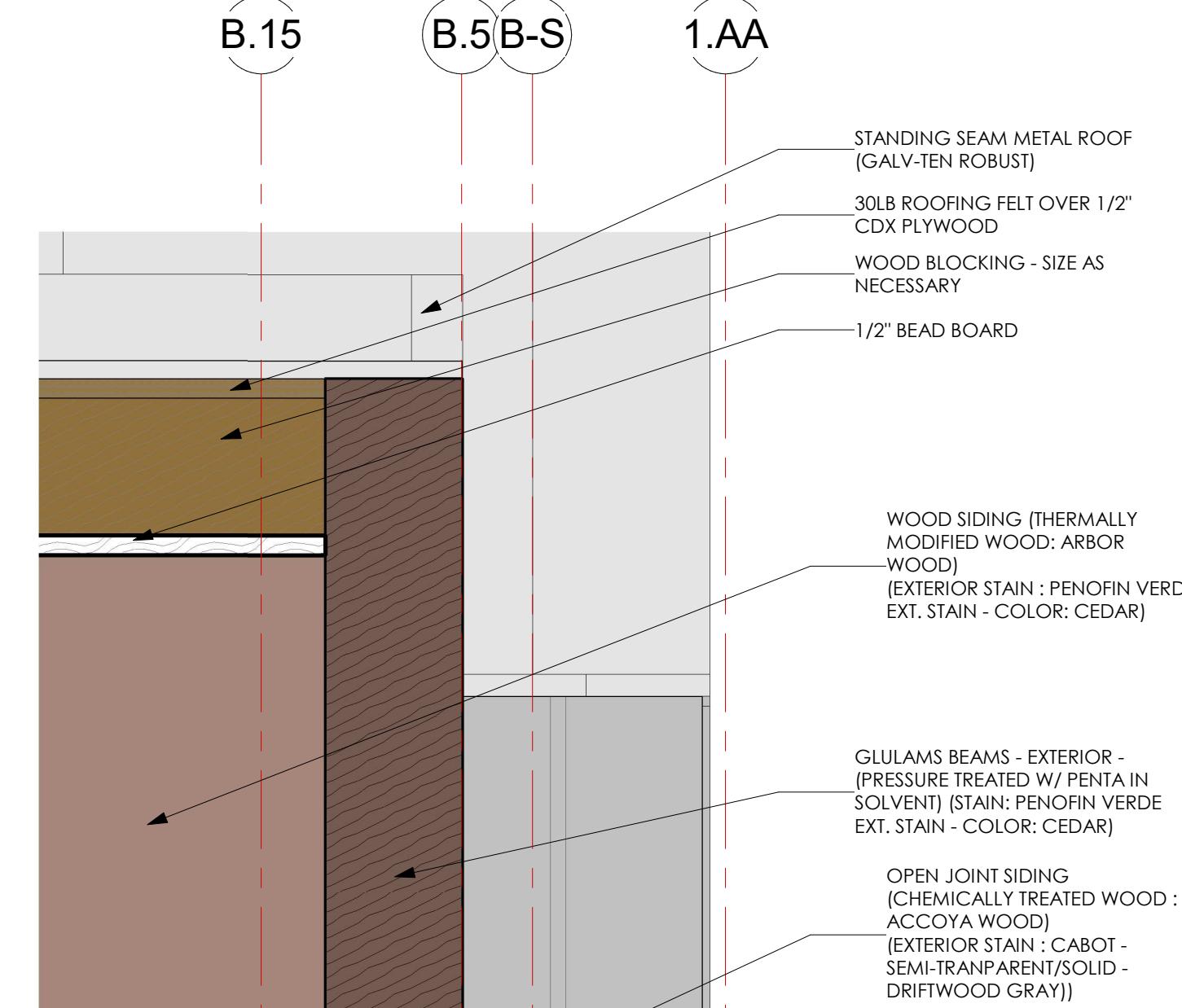


E



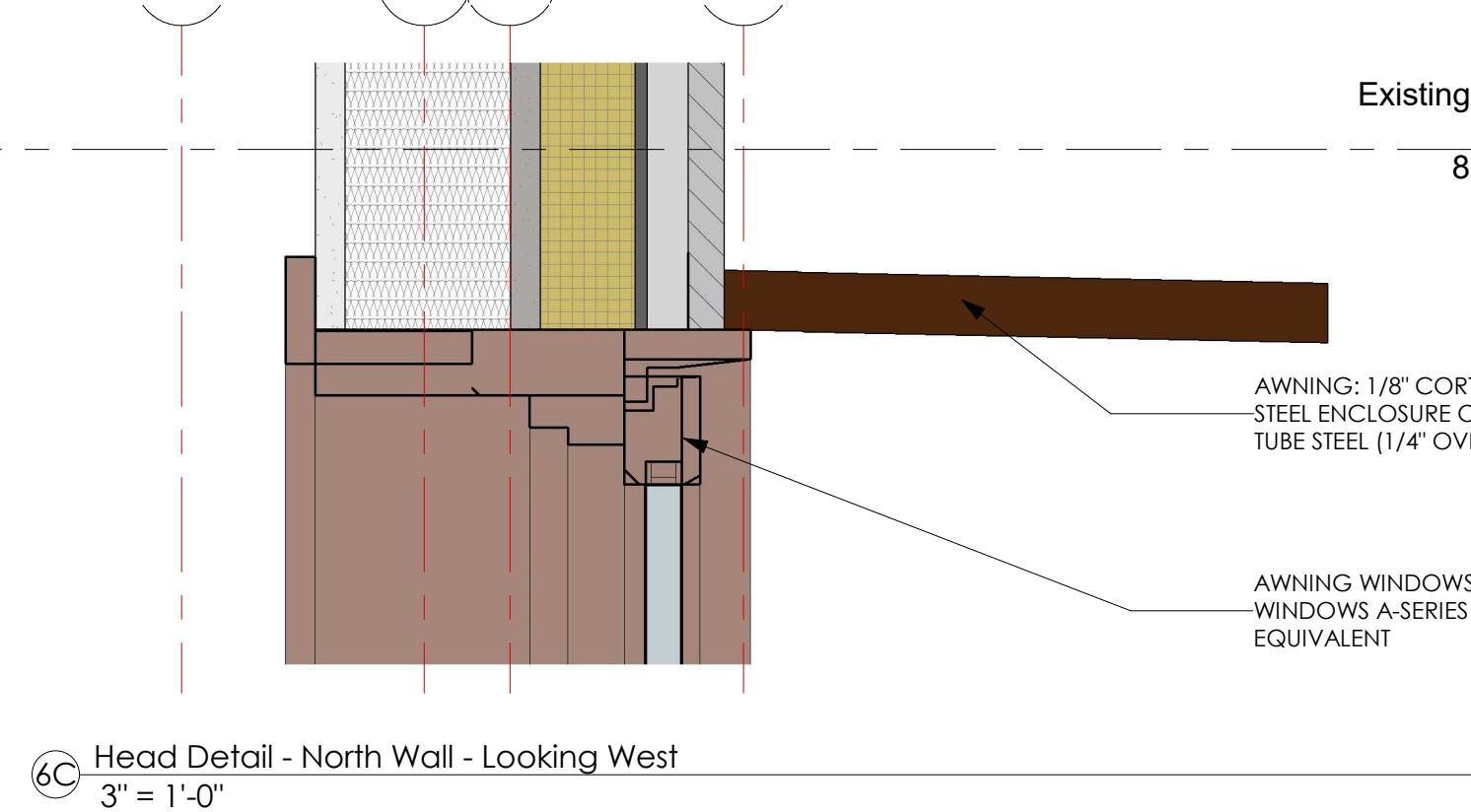
④D Rack Detail - North Wall - Looking West

3' = 1'-0"



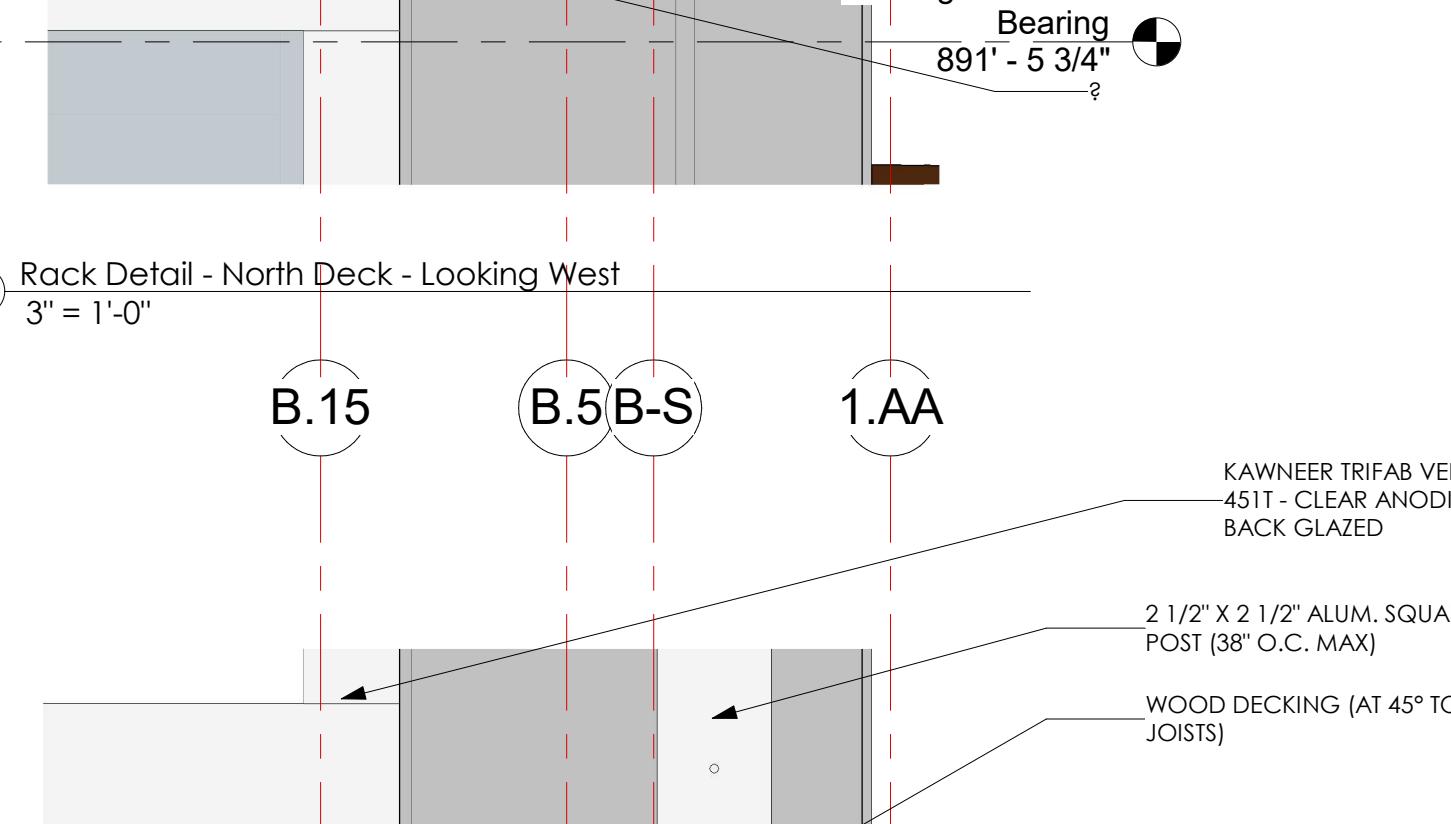
④D Rack Detail - North Deck - Looking West

3' = 1'-0"



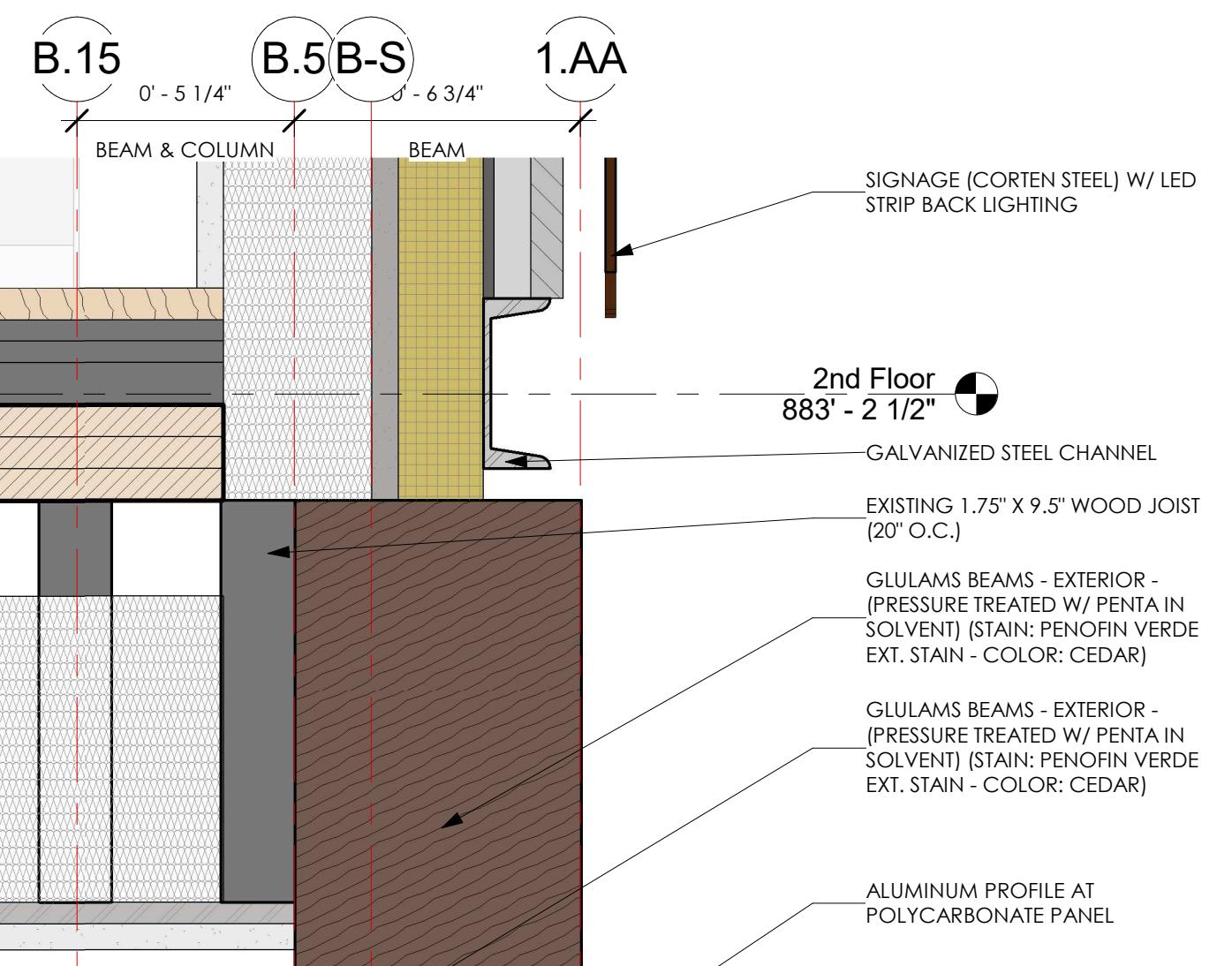
⑥C Head Detail - North Wall - Looking West

3' = 1'-0"



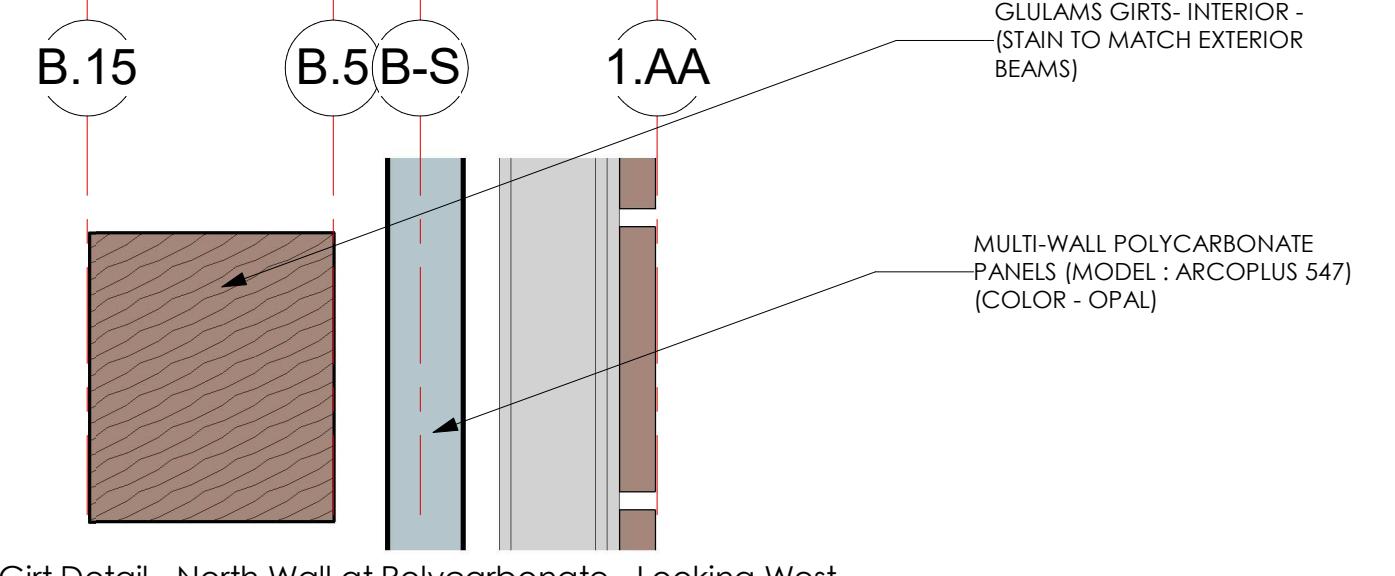
④B Section Detail - North Deck - Looking West

3' = 1'-0"



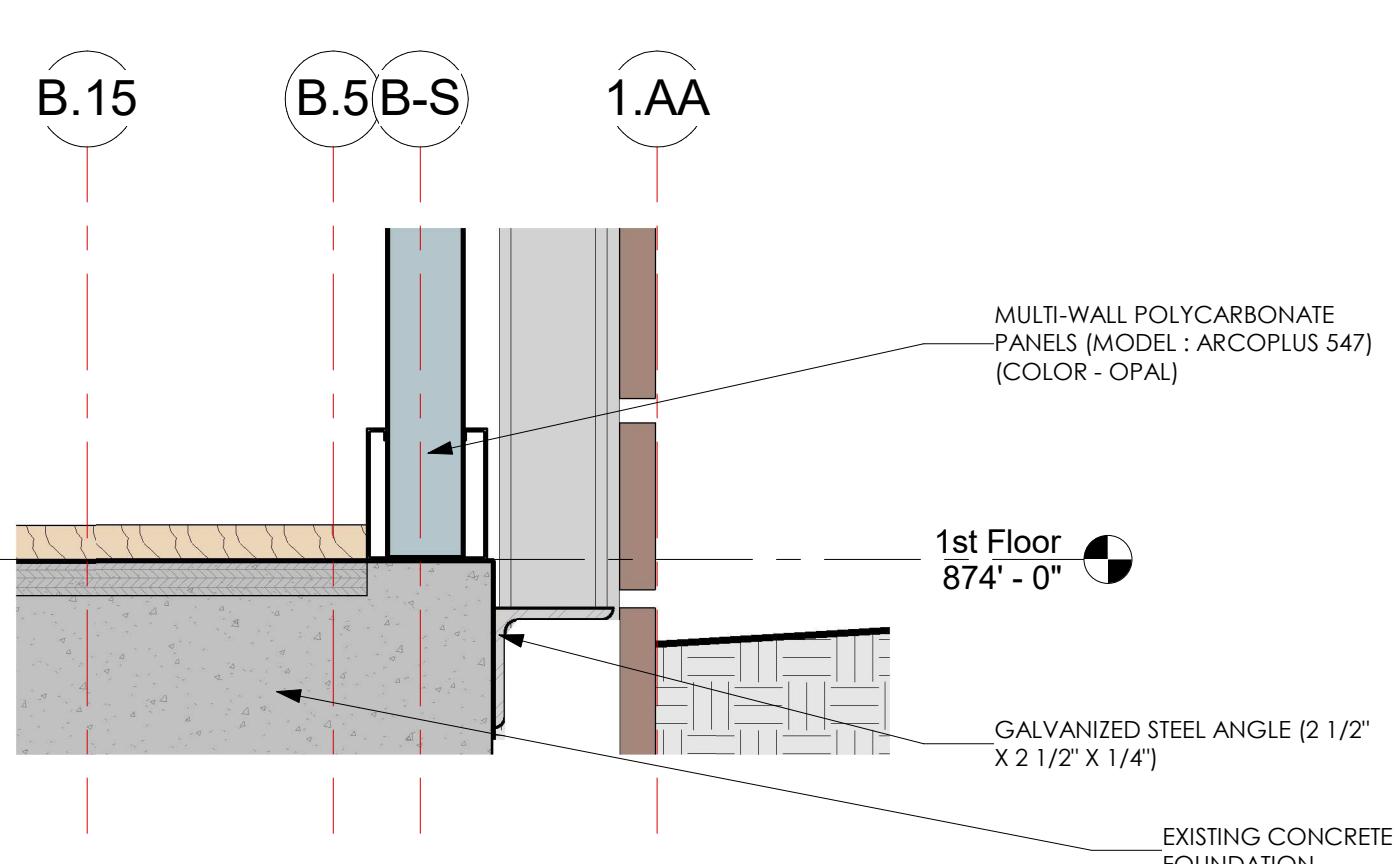
⑥B Head Detail - North Wall of Polycarbonate - Looking West

3' = 1'-0"



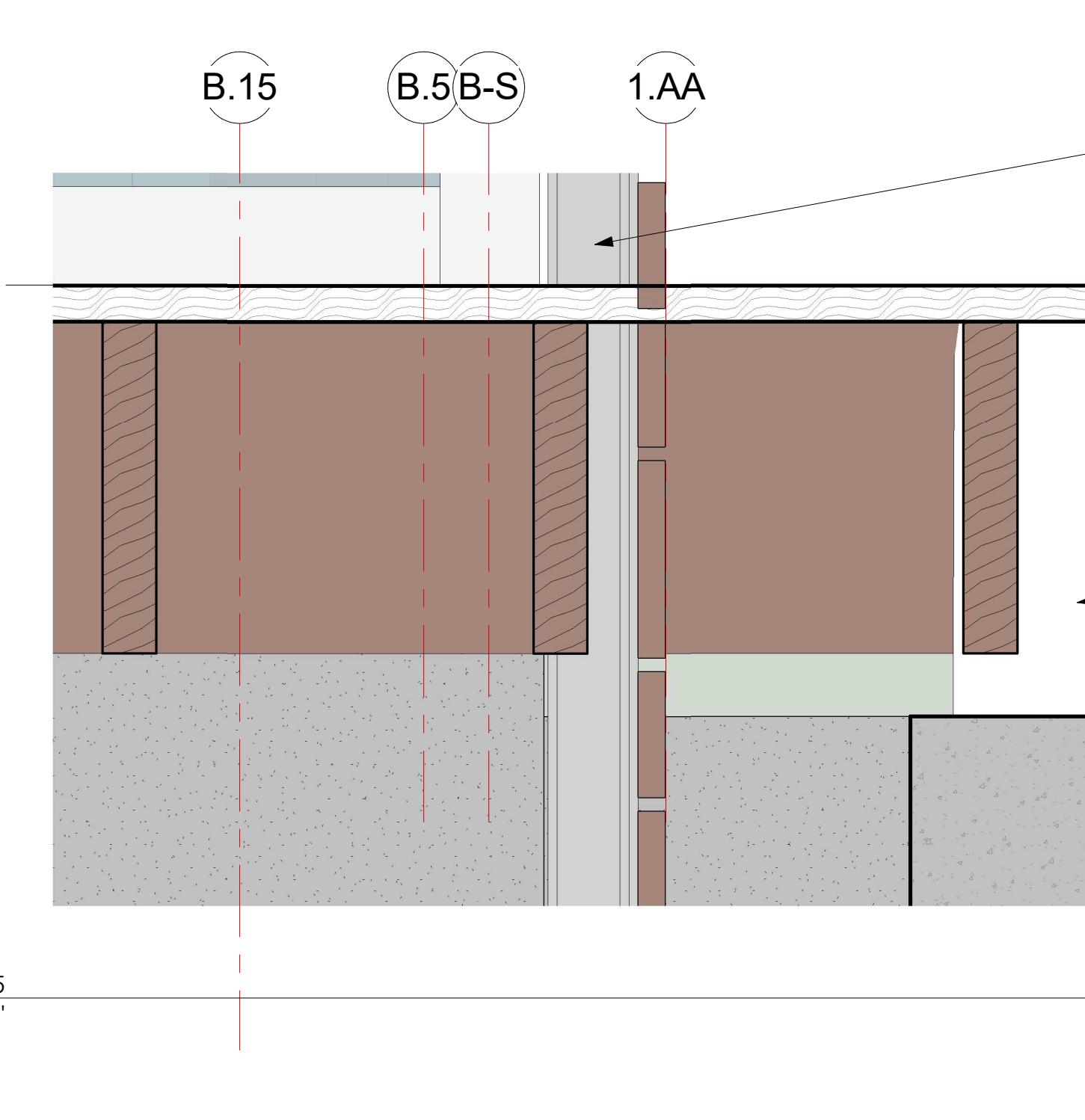
⑥B Girt Detail - North Wall at Polycarbonate - Looking West

3' = 1'-0"



⑥A Sill Detail - North Wall at Polycarbonate - Looking West

3' = 1'-0"



⑤A Detail 15

3' = 1'-0"

EXTERIOR DETAILS

The Downtowner | 640 West Main Street, Lake Geneva, WI 53147

Date	Description
04.10.2017	Early Start & Footing/Foundation
05.03.2017	Issue for Permit
05.22.2017	Issue for Bid

Architect: OpeningDesign
312 W. Lakeside St. | Madison, WI 53715
hello@openingdesign.com | 773-425-6456

Date

Description

Issue for Permit

Issue for Bid

REPEATING PATTERN



E

D

C

B

A

Date

05.03.2017

Description

Issue for Permit

05.22.2017

Issue for Bid

A500

5/22/2017 10:46:30 AM

F

D

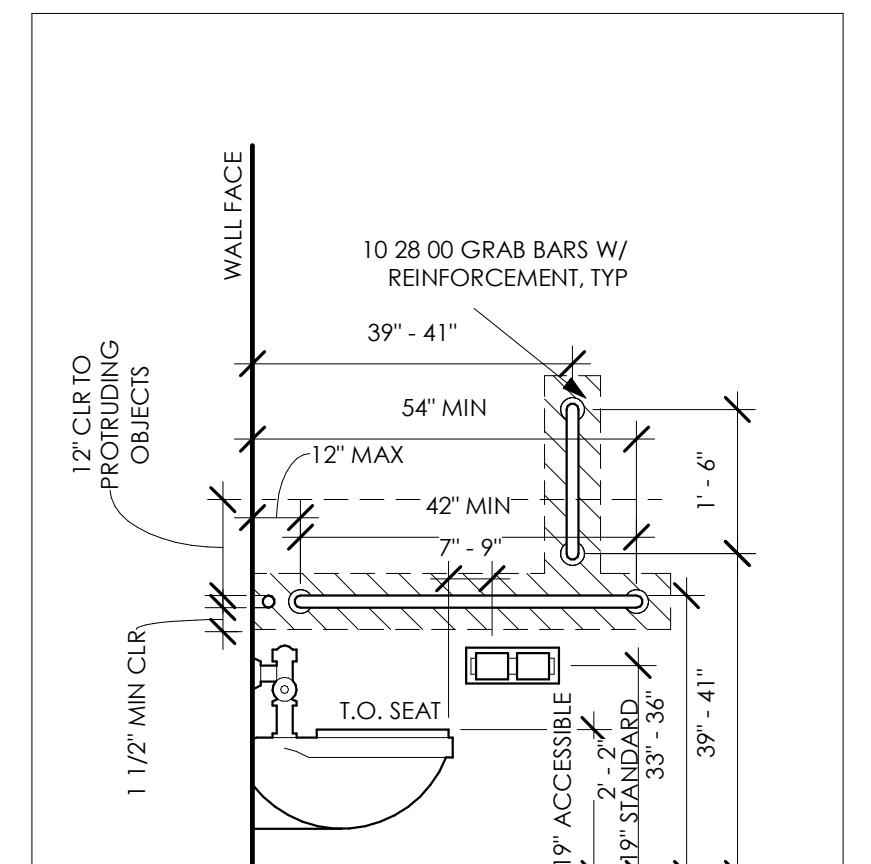
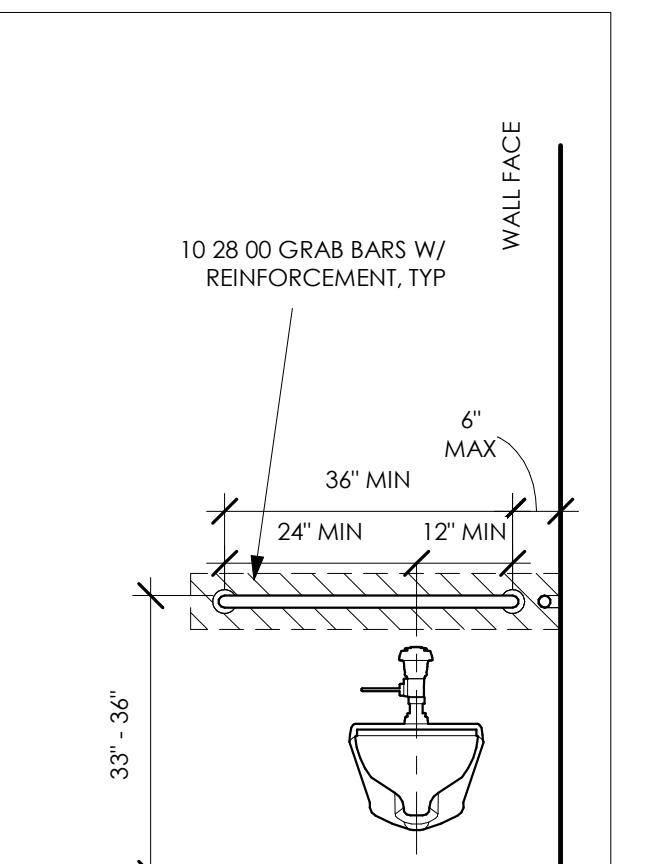
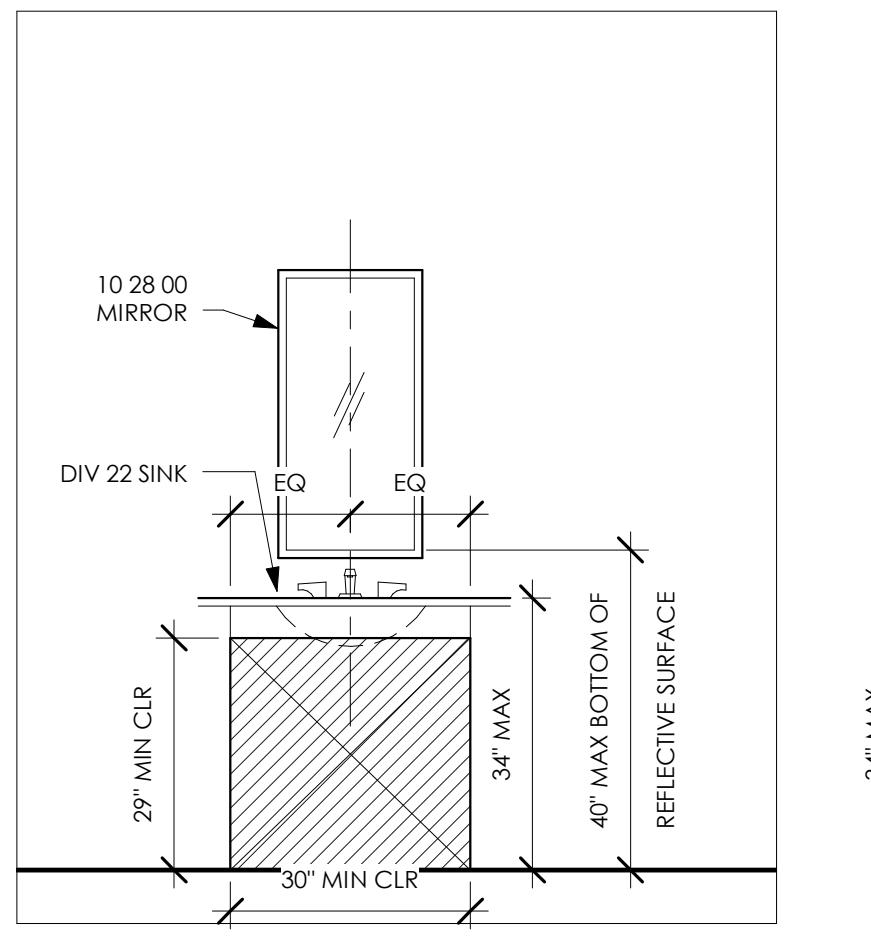
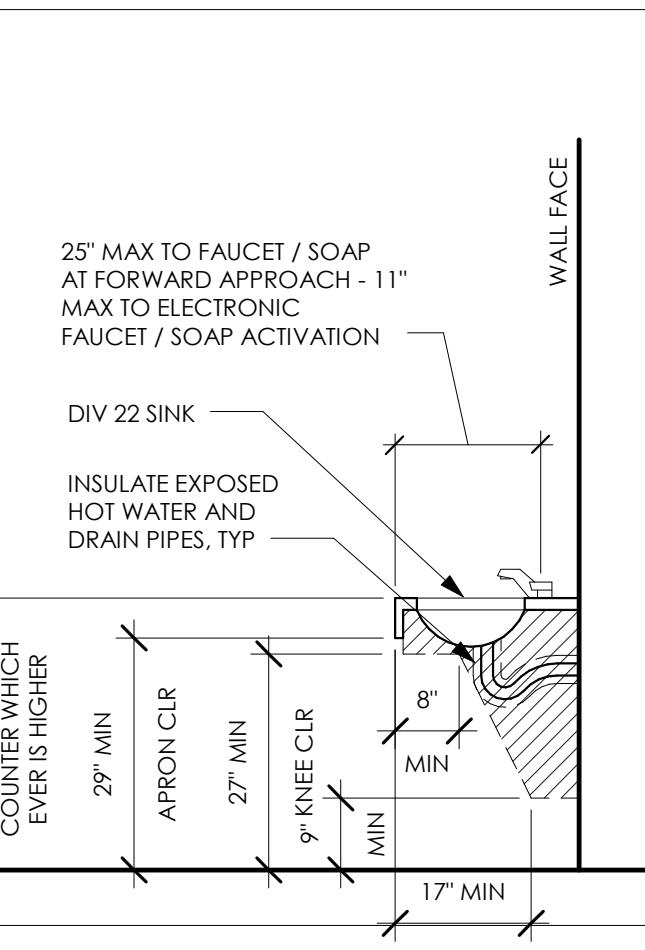
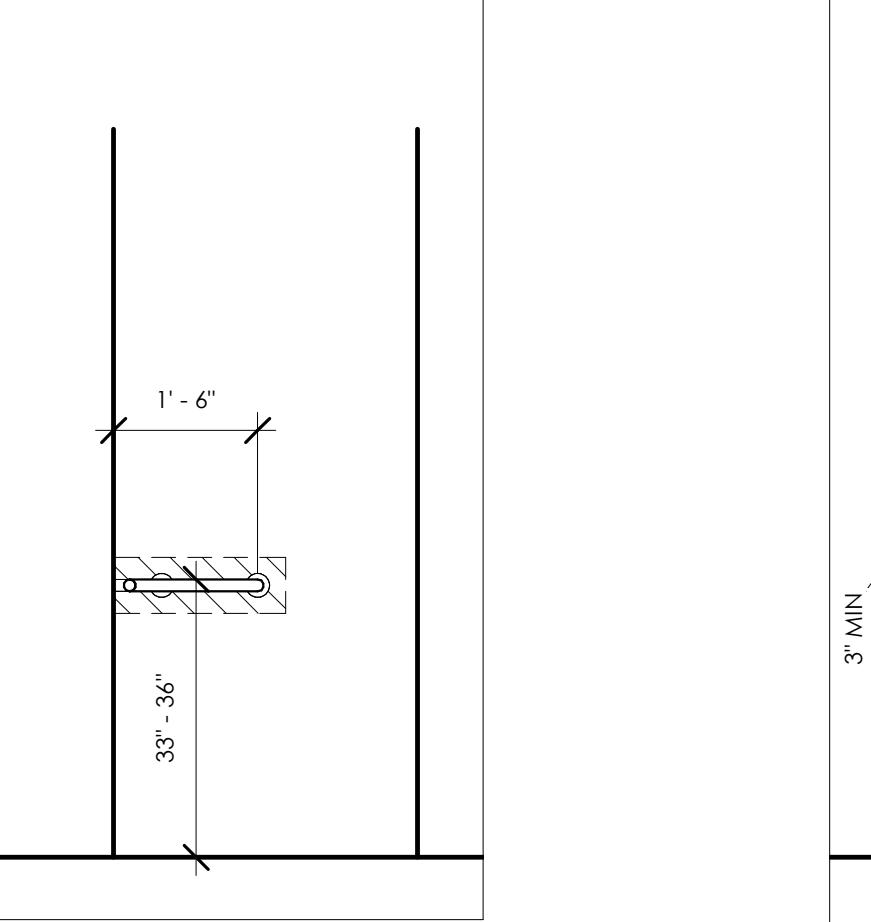
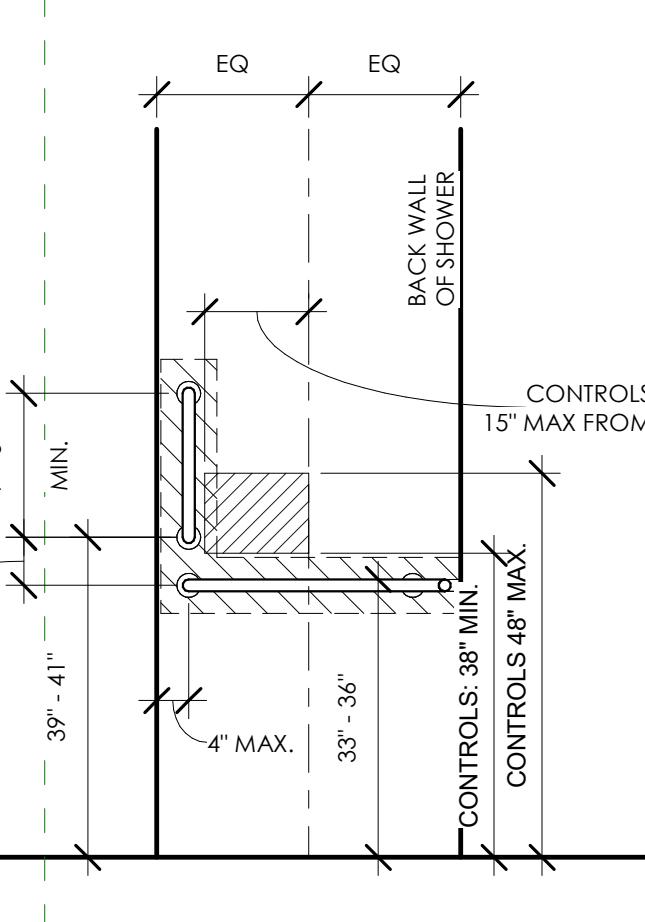
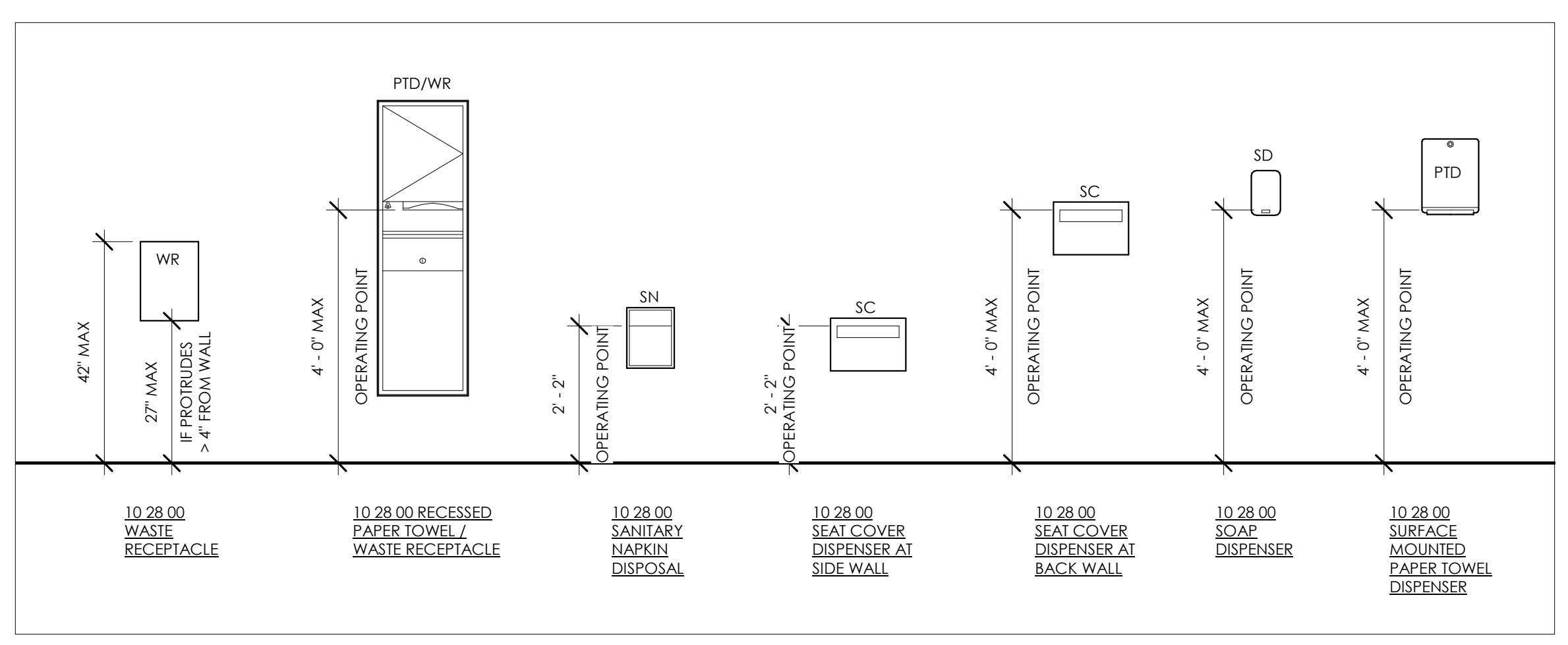
C

B

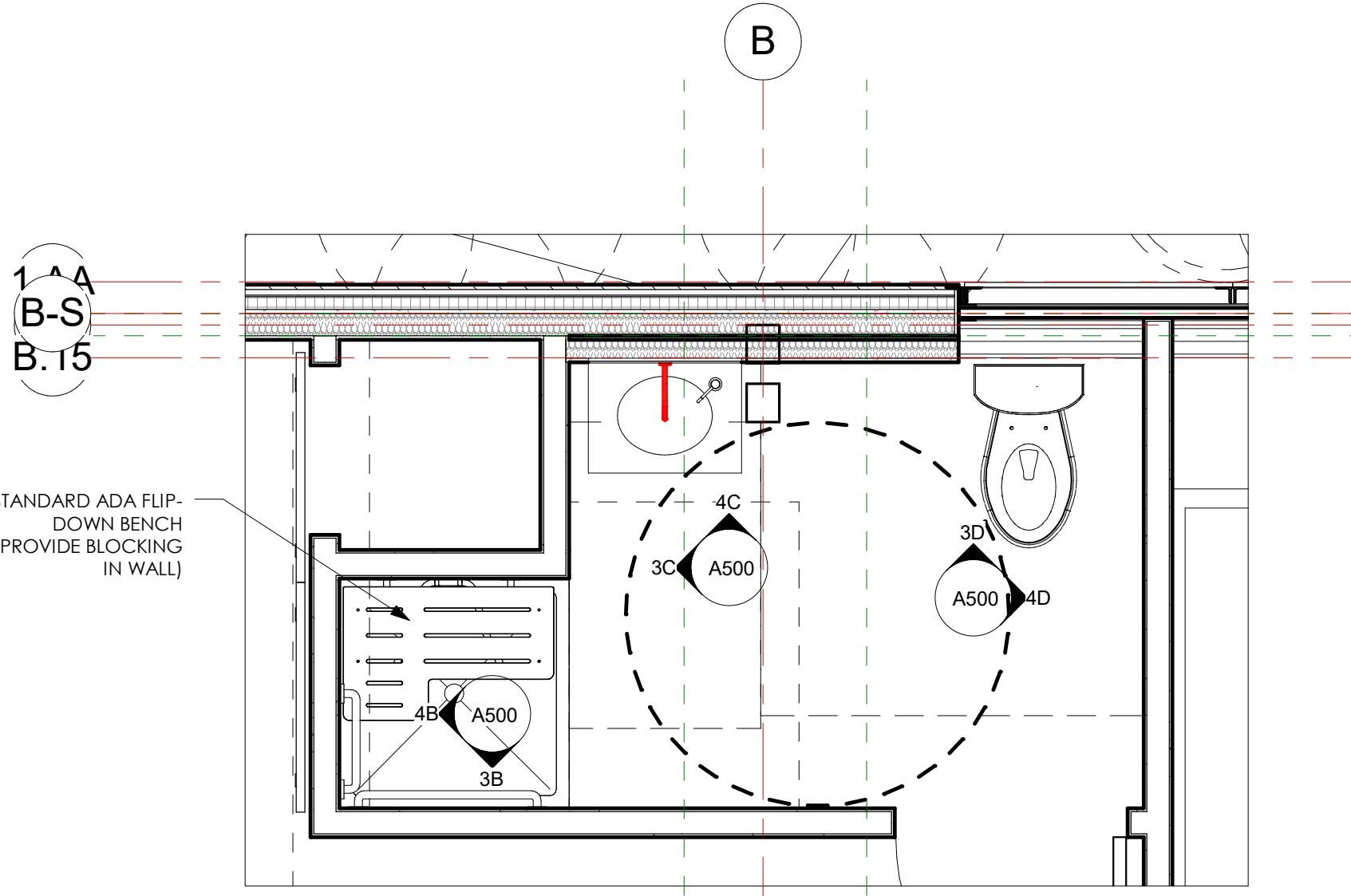
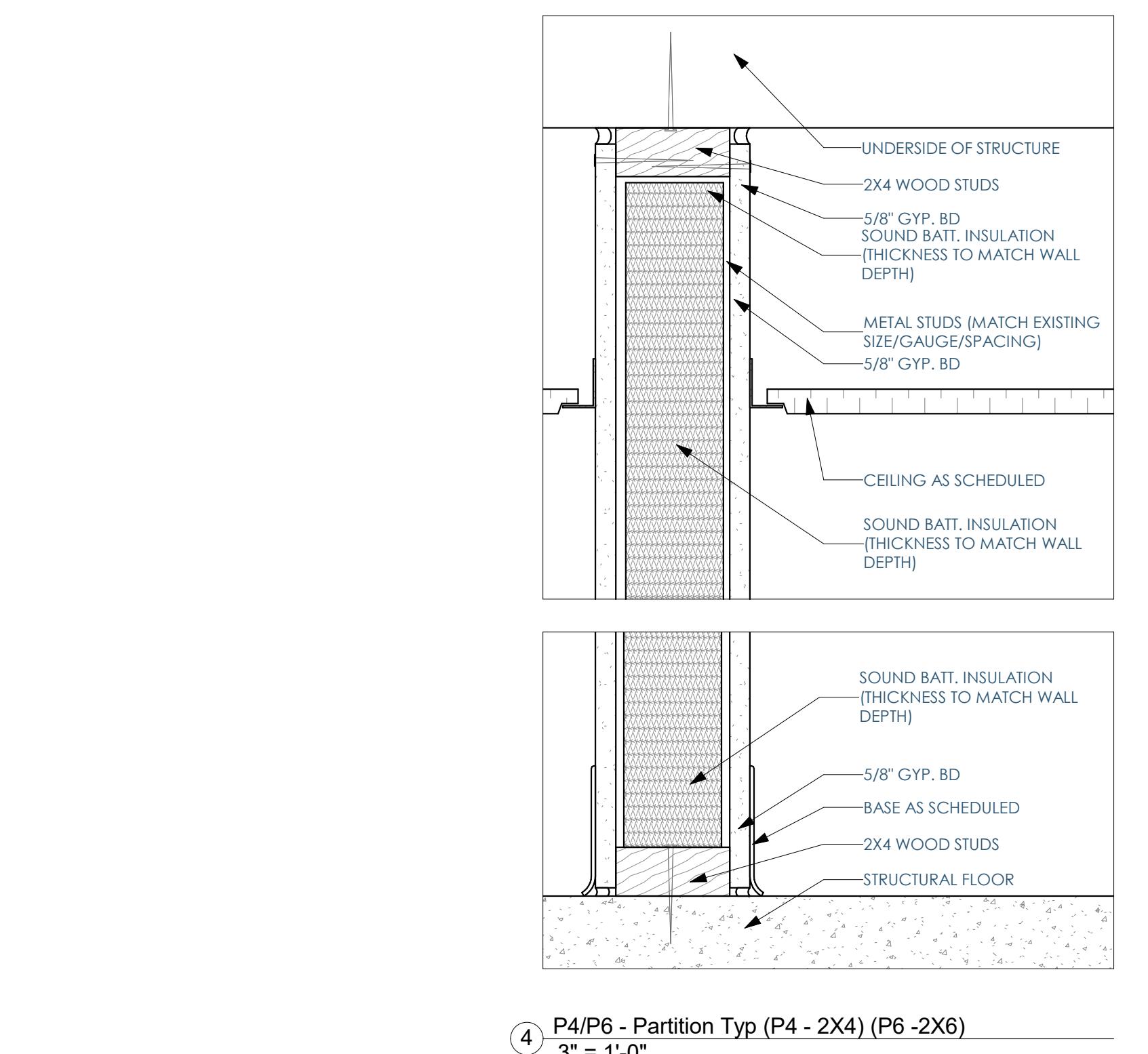
A

1

5/22/2017 10:46:30 AM

④D Toilet - Side Elevation
1/2" = 1'-0"③D Toilet - Front Elevation
1/2" = 1'-0"④C Lavatory - Front Elevation
1/2" = 1'-0"③C Lavatory - Side Elevation
1/2" = 1'-0"④B Shower - Back Elevation
1/2" = 1'-0"③B Shower - Side Elevation
1/2" = 1'-0"③ ADA COMPLIANT HEIGHTS
1/2" = 1'-0"

DOOR SCHEDULE				
Door Number	Room Name	Room Number	Door Width	Height
8000	BASEMENT	B000	3'-0"	6'-8"
203.A	BATH	203.A	2'-8"	6'-4"
204.A	BATH	204.A	2'-8"	6'-4"
203.B	BATH	203.B	3'-0"	6'-5 3/8"
204.B	BATH	204.B	2'-10"	6'-5 3/8"
100.A	BATH	100.A	2'-8"	6'-4"
101.A	BATH	101.A	2'-8"	6'-4"
104.A	BATH	104.A	2'-8"	6'-4"
103.A	BATH (ADA)	103.A	3'-0"	6'-8"
104.B	BEDROOM	104	3'-0"	6'-8"
101	BEDROOM	101	3'-0"	6'-8"
102	BEDROOM	102	3'-0"	6'-8"
105.A	BEDROOM	105	3'-0"	6'-8"
203	BEDROOM	203	3'-0"	6'-8"
204	BEDROOM	204	3'-0"	6'-8"
104.C	BEDROOM	104	3'-4"	7'-9"
105.C	BEDROOM	105	3'-4"	7'-9"
105.E	BEDROOM	105	3'-4"	7'-9"
103.A	BEDROOM (ADA)	103	3'-0"	6'-8"
103.B	BEDROOM (ADA)	103	3'-0"	6'-8"
103.C	BEDROOM (ADA)	103	3'-0"	7'-9"
101.B	CLOSET	101.B	2'-2"	6'-4"
100.B	CLOSET	100.B	2'-2"	6'-4"
104.B	CLOSET	104.B	2'-2"	6'-4"
105.B	CLOSET	105.B	2'-2"	6'-4"
102.A	CLOSET	102.A	2'-2"	6'-4"
205.A	CLOSET	205.A	2'-2"	6'-4"
102.B	CLOSET	102.B	2'-2"	6'-4"
100	CORRIDOR	106	3'-0"	6'-8"
106.B	CORRIDOR	106	3'-4"	6'-5 3/8"
106	CORRIDOR	106	3'-4"	7'-9"
201	DINING/KITCHEN	201	3'-0"	7'-11"
109	OUTDOOR DECK	109	3'-0 1/2"	1'-11 1/2"
208.J	OUTDOOR DECK	109	3'-4"	7'-9"
8001	OUTDOOR STAGING UNDER DECK	8001	2'-9 5/8"	1'-11 1/2"
208.B	SCREENED PATIO	208	3'-2 1/2"	6'-10 1/2"
208.A	SCREENED PATIO	208	3'-2 1/2"	6'-10 1/2"
208.C	SCREENED PATIO	208	2'-9 7/8"	7'-10 15/32"
208.E	SCREENED PATIO	208	2'-9 13/16"	7'-7 1/16"
208.D	SCREENED PATIO	208	2'-9 13/16"	7'-7 1/16"
208.G	SCREENED PATIO	208	2'-9 19/32"	7'-0 3/4"
208.F	SCREENED PATIO	208	2'-9 19/32"	7'-0 3/4"
108	STAIR	108	3'-0"	7'-0"
205	STORAGE	205	2'-10"	6'-8"

① ADA (TYPE A) RESTROOM PLAN
1/2" = 1'-0"④ P4/P6 - Partition Typ (P4 - 2X4) (P6 - 2X6)
3" = 1'-0"

openingdesign

Architect: OpeningDesign
312 W. Lakeside St. | Madison, WI 53715
hello@openingdesign.com | 773-425-6456Date
05.03.2017
Description
Issue for Permit
05.22.2017
Issue for Bid

F

D

C

B

A

1

WIND LOAD INFORMATION:

BASIC WIND SPEED	90 MPH
BUILDING OCCUPANCY CATEGORY	II
WIND LOAD IMPORTANCE FACTOR (Iw)	1.00
WIND EXPOSURE	B
INTERNAL PRESSURE COEFFICIENTS	±.18
COMPONENTS AND CLADDING (GROSS WIND PRESSURES): (FOR ZONE DEFINITIONS & DIAGRAMS SEE DESIGN GUIDE ASCE/SEI 7 SECTION 6) WIDTH OF PRESSURE COEFFICIENT ZONE (a)	4 ft
TRIBUTARY WIND LOAD AREAS: 10 ft ² 50 ft ² 100 ft ²	
ROOF (GABLE/HIP/MONOSLOPE):	
NEGATIVE ZONE 1	-18.4 psf -17.2 psf -16.7 psf
NEGATIVE ZONE 2	-32.1 psf -26.1 psf -23.5 psf
NEGATIVE ZONE 3	-47.4 psf -40.3 psf -37.2 psf
POSITIVE PRESSURE ALL ZONES	11.6 psf 10.0 psf 10.0 psf
WALLS:	
ZONE 4	-21.8 psf -20.2 psf -18.8 psf
ZONE 5	-27.0 psf -23.6 psf -20.9 psf
OVERHANGS/CANOPIES:	
ZONE 1,2	-37.5 psf -37.5 psf -37.5 psf
ZONE 3	-63.1 psf -48.8 psf -45.2 psf

SEISMIC LOAD INFORMATION:

SEISMIC USE GROUP / OCCUPANCY CATEGORY	II
SEISMIC LOAD IMPORTANCE FACTOR (Ie)	1.00
SEISMIC SITE CLASS	D
MAPPED SPECTRAL RESPONSE ACCELERATION (Ss)	10.40
MAPPED SPECTRAL RESPONSE ACCELERATION (S1)	4.40
SPECTRAL RESPONSE COEFFICIENT (Sds)	0.111
SPECTRAL RESPONSE COEFFICIENT (Sd1)	0.070
SEISMIC DESIGN CATEGORY	A
BASIC SEISMIC FORCE RESISTING SYSTEM	LIGHT FRAME SHEAR WALLS
RESPONSE MODIFICATION FACTOR	2.5
SEISMIC RESPONSE COEFFICIENT (Cs)	0.044
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE

SNOW LOAD INFORMATION:

GROUND SNOW LOAD (Pg)	30 psf
SNOW EXPOSURE FACTOR (Ce)	1.00
SNOW LOAD IMPORTANCE FACTOR (Is)	1.00
THERMAL FACTOR (Ct)	1.10
1.20 AT OVERHANGS	
DESIGN/BALANCED SNOW LOAD (Ps)	30 psf

SOIL LOAD INFORMATION:

COEFFICIENT OF SLIDING FRICTION (μ)	0.40
LATERAL EARTH PRESSURE:	
ACTIVE	35 pcf
AT-REST	55 pcf
PASSIVE	200 pcf
ALLOWABLE NET SOIL BEARING PRESSURE (PRESUMED)	$Q_a = 1750 \text{ psf}$
MODULUS OF SUB-GRADE REACTION	$k = 125 \text{ pci}$
FROST DEPTH	42"

LIVE LOADS:

FLOOR UNLESS NOTED	40 psf + 1 psf PARTITION
PATIO/BALCONIES	75 psf
ROOF	SEE SNOW LOAD INFO

MATERIAL DESIGN PROPERTIES

CIP CONCRETE STRENGTHS:	
FOOTINGS	$f'_c = 3000 \text{ psi}$
CONCRETE WALLS / PIERS / COLUMNS	$f'_c = 3500 \text{ psi}$
SLAB ON GRADE	$f'_c = 3500 \text{ psi}$
EXTERIOR SLAB ON GRADE	$f'_c = 4000 \text{ psi}$
REINFORCING STEEL STRENGTHS:	
BARS (ASTM A 615, grade 60)	$F_y = 60,000 \text{ psi}$
WWF (ASTM A 185)	$F_y = 65,000 \text{ psi}$
STRUCTURAL STEEL STRENGTHS:	
WF SHAPES (ASTM A992)	$F_y = 50,000 \text{ psi}$
ANGLES, CHANNELS, PLATES, & BARS (ASTM A36)	$F_y = 36,000 \text{ psi}$
SQUARE & RECTANGULAR TS OR HSS SECTIONS (ASTM A500, grade B)	$F_y = 46,000 \text{ psi}$
ROUND HSS SECTIONS (ASTM A500, grade B)	$F_y = 42,000 \text{ psi}$
STEEL PIPE (ASTM A53, grade B)	$F_y = 35,000 \text{ psi}$
HIGH STRENGTH BOLTS (ASTM A325)	$F_y = 36,000 \text{ psi}$
ANCHOR BOLTS (ASTM F1554)	
WELD ELECTRODES	E70 XX
HEADED WELDED STUDS (ASTM A108)	$F_u = 55,000 \text{ psi}$
WOOD STRENGTHS:	
DIMENSIONAL LUMBER (SEE PLANS & WOOD FRAMING NOTES)	
LAMINATED VENEER LUMBER:	$E = 1,900 \text{ ksi}$ $F_b = 2,600 \text{ psi}$ $F_v = 285 \text{ psi}$ $F_c(\text{perp}) = 750 \text{ psi}$ $F_c(\text{para}) = 2,510 \text{ psi}$
PARALLEL STRAND LUMBER:	$E = 2,000 \text{ ksi}$ $F_b = 2,900 \text{ psi}$ $F_v = 290 \text{ psi}$ $F_c(\text{perp}) = 750 \text{ psi}$ $F_c(\text{para}) = 2,900 \text{ psi}$
GLULAMINATED LUMBER	WESTERN SPECIES BALANCED CONDITION 24F-1.8E WS
LAMINATED STRAND LUMBER:	$E = 1,500 \text{ ksi}$ $F_b = 2,250 \text{ psi}$ $F_v = 400 \text{ psi}$ $F_c(\text{perp}) = 750 \text{ psi}$ $F_c(\text{para}) = 1,950 \text{ psi}$

EARTHWORK NOTES

- AN ALLOWABLE SOIL BEARING PRESSURE OF 1750 psf HAS BEEN PRESUMED. CONTRACTOR TO FIELD VERIFY ALLOWABLE SOIL BEARING PRESSURE AT THE TIME OF EXCAVATION BY ENGAGING THE SERVICES OF A GEOTECHNICAL ENGINEER. CONTACT A/E FOR EVALUATION IF A LOWER SOIL BEARING PRESSURE IS ENCOUNTERED.
- ALL TOPSOIL, DEBRIS, SILTS, AND ORGANIC MATERIAL SHALL BE STRIPPED AND REMOVED FROM LIMITS OF EXCAVATIONS AND EXISTING SUBGRADE SHALL BE COMPAKTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY PRIOR TO PLACEMENT OF FILL MATERIAL.
- FILL MATERIAL SHALL BE PLACED AND COMPAKTED IN LIFTS NO THICKER THAN 8". EACH LIFT SHALL MEET COMPAKTION REQUIREMENTS PRIOR TO PLACEMENT AND COMPAKTION OF ADDITIONAL LIFTS.
- FILL MATERIAL SHALL BE PLACED AND COMPAKTED AT +1% TO -4% OPTIMUM MOISTURE CONTENT TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY, UNLESS RECOMMENDED OTHERWISE BY A QUALIFIED SOILS ENGINEER.
- UNSATISFACTORY SOILS LOCATED BELOW FOUNDATIONS SHALL BE REMOVED AND

GENERAL FOUNDATION NOTES

- PROTECT IN-PLACE FOUNDATIONS AND SLABS ON GRADE FROM FROST PENETRATION UNTIL PROJECT COMPLETION

CAST-IN-PLACE CONCRETE NOTES

- DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST PROVISIONS OF ACI 318/318R.
- CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER AT LEAST 48 HOURS PRIOR TO PLACING CONCRETE TO FACILITATE ON SITE OBSERVATION OF REBAR.
- ARRANGEMENT AND BENDING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ACI DETAILING MANUAL (ACI SP-66), LATEST EDITION.
- WHEN THE AVERAGE TEMPERATURE FROM MIDNIGHT TO MIDNIGHT IS EXPECTED TO DROP BELOW 40 DEGREES FAHRENHEIT FOR THREE SUCCESSIVE DAYS, COLD WEATHER CONCRETING REQUIREMENTS MUST BE FOLLOWED.
- WHEN AMBIENT AIR OR CONCRETE TEMPERATURES EXCEED 90 DEGREES FAHRENHEIT, STEEL REINFORCING AND/OR FORMING SURFACES ARE ABOVE 120 DEGREES, OR WHEN WIND VELOCITY, HUMIDITY, OR SOLAR RADIATION CREATE CONDITIONS OF ACCELERATED MOISTURE LOSS AND INCREASED RATE OF HYDRATION, HOT WEATHER CONCRETING REQUIREMENTS SHALL BE FOLLOWED.
- ALL HOOKS IN STEEL REINFORCING SHALL BE ACI STANDARD HOOKS, UNLESS NOTED OTHERWISE IN CONSTRUCTION DOCUMENTS.
- ALL CONCRETE SURFACES SHALL BE FORMED, UNLESS OTHERWISE NOTED.
- CONTROL JOINTS SHALL BE PLACED IN SLAB ON GRADE AND SLAB ON METAL DECK CONSTRUCTION WITHIN 24 HOURS OF INITIAL POUR.
- WIRE SPACERS, CHAIRS, TIES, ETC., FOR SUPPORT OF STEEL REINFORCING SHALL BE PROVIDED BY THE CONTRACTOR TO ENSURE REINFORCING IS PLACED IN THE PROPER POSITION DURING CONCRETE PLACEMENT.
- STEEL REINFORCING SPLICES OF ADJACENT BARS SHALL BE STAGGERED SUCH THAT SPLICES ARE 4 FEET APART, MINIMUM.
- WELDED WIRE REINFORCING SHALL BE IN FLAT SHEETS ONLY, AND LAPPED A MINIMUM OF 6 INCHES.
- WELDING OF STEEL REINFORCING IS NOT PERMITTED.
- SLEEVES, CONDUITS, OR PIPES THROUGH SLABS AND WALLS SHALL BE PLACED AT THREE DIAMETERS ON CENTER, OR 4 INCHES MINIMUM.
- ALUMINUM CONDUIT OR PIPING SHALL NOT BE CAST IN CONCRETE.
- PROVIDE A 3/4" CHAMFER ON EXPOSED CORNERS OF CONCRETE UNO. TOP EDGES OF WALLS SHALL BE TOOLED UNO.

CAST-IN-PLACE CONCRETE TOLERANCES

CONCRETE COVER MEASURED PERPENDICULAR FROM THE SURFACE IN DIRECTION OF TOLERANCES:

- | | |
|---------------------|-------|
| MEMBERS 12" OR LESS | ±3/8" |
| MEMBERS OVER 12" | ±1/2" |

STEEL REINFORCEMENT SPACING SHALL BE WITHIN THE FOLLOWING TOLERANCES:

- 1/4" SPACING DISTANCE,
NOT TO EXCEED 1"

PLACEMENT OF EMBEDDED ITEMS SHALL BE WITHIN THE FOLLOWING TOLERANCES:

- | | |
|--------------------|-----|
| VERTICAL ALIGNMENT | ±1" |
| LATERAL ALIGNMENT | ±1" |
| LEVEL ALIGNMENT | ±1" |

PLACEMENT OF FOOTINGS SHALL BE WITHIN THE FOLLOWING TOLERANCES:

- | | |
|--------------------------------------|--------------|
| LATERAL ALIGNMENT | ±2" |
| LEVEL ALIGNMENT | +1/2" TO -2" |
| (LEVEL ALIGNMENT SUPPORTING MASONRY) | ±1/2" |

CROSS-SECTIONAL DIMENSION OF FOOTINGS SHALL BE WITHIN THE FOLLOWING TOLERANCES:

- | | |
|---------------------|--------------|
| FORMED FOOTINGS | +2" TO -1/2" |
| EARTHCAST FOOTINGS: | |

- | | |
|------------|--------------|
| 2' OR LESS | +3" TO -1/2" |
|------------|--------------|

- | | |
|----------------------------------|--------------|
| GREATER THAN 2' BUT LESS THAN 6' | +6" TO -1/2" |
|----------------------------------|--------------|

- | | |
|-----------------|---------------|
| GREATER THAN 6' | +12" TO -1/2" |
|-----------------|---------------|

- | | |
|-------------------|-----|
| FOOTING THICKNESS | ±5% |
|-------------------|-----|

- | | |
|----------------------|-----------|
| TOP OF FOOTING SLOPE | 1" IN 10" |
|----------------------|-----------|

MILD STEEL PROTECTION

FOOTINGS - BOTTOM & SIDES	3"
FOOTING - TOP	2"
PERIMETER WALLS - #5 & SMALLER	1 1/2"
PERIMETER WALLS - #6 & LARGER	2"
INTERIOR WALLS	3/4"
BEAMS, PIERS, & COLUMNS	1 1/2"
SLABS - BOTTOM & SIDES	1"
SLABS - TOP	3/4"

LAMINATED WOOD STORAGE / ERECTION NOTES:

- JOB-SITE STORAGE SHALL BE PROVIDED IN A LEVEL AREA TO PREVENT WARPAGE. MEMBERS SHALL BE SUPPORTED WITH BLOCKING SPACED TO PROVIDE UNIFORM AND ADEQUATE SUPPORT.
- MATERIAL SHALL BE BLOCKED WELL OFF THE GROUND AND SEPARATED WITH STRIPPING TO ALLOW AIR CIRCULATION AROUND ALL FOUR SIDES OF EACH MEMBER.
- INDIVIDUAL MEMBER WRAPPINGS SHALL BE SLIT OR PUNCTURED ON THE LOWER SIDE TO ALLOW DRAINAGE OF WATER.
- MATERIAL SHALL BE STORED BENEATH AN OPAQUE, MOISTURE-RESISTANT COVERING UNTIL ERECTED.
- PADDED OR NOMMARRING SLINGS SHALL BE USED FOR ERECTION, AND CORNERS SHALL BE PROTECTED WITH WOOD BLOCKING.
- PROVIDE ADEQUATE TEMPORARY BRACING UNTIL THE ROOF STRUCTURE IS SHEATHED.
- MODERATE USE OF DRIFT PINS, MODERATE REAMING, AND SLIGHT CUTTING ARE ACCEPTABLE MEANS OF CORRECTION FOR PROPER ASSEMBLY AND FITTING. CONTACT PIERCE ENGINEERS FOR METHOD OF CORRECTION IF ERROR OR MATERIAL DEFECTS DO NOT ALLOW PROPER ASSEMBLY.
- HEAT SHOULD NOT BE FULLY TURNED ON AS SOON AS THE STRUCTURE IS ENCLOSED. EXCESSIVE CHECKING MAY OCCUR DUE TO RAPID LOWERING OF THE RELATIVE HUMIDITY IN THE BUILDING. A GRADUAL SEASONING PERIOD AT MODERATE TEMPERATURE SHOULD BE PROVIDED.

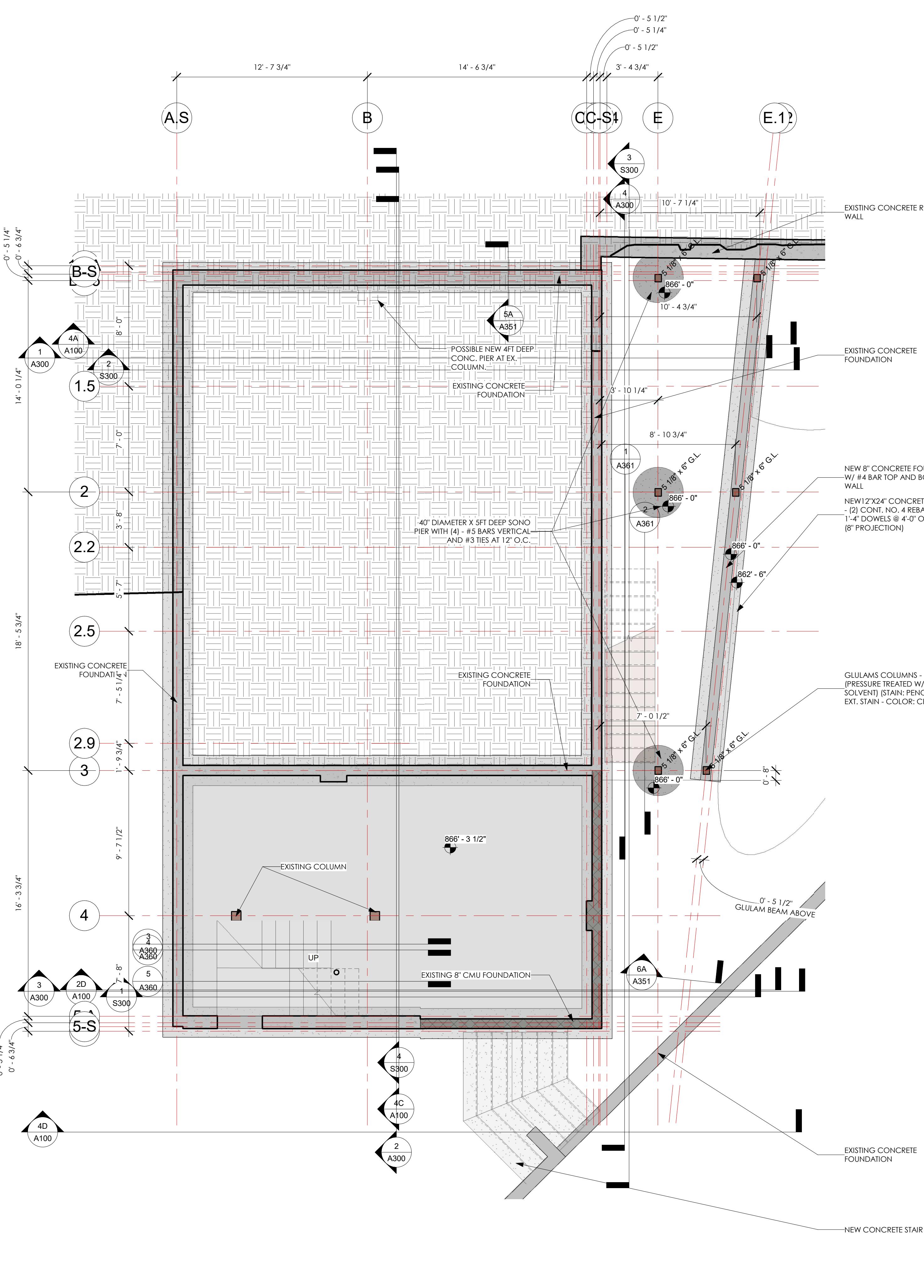
FYF LLC.
Owner: FYF LLC.
43 S Water St E | Fort Atkinson, WI
ilovefunkys@hotmail.com

Zenteno Solutions

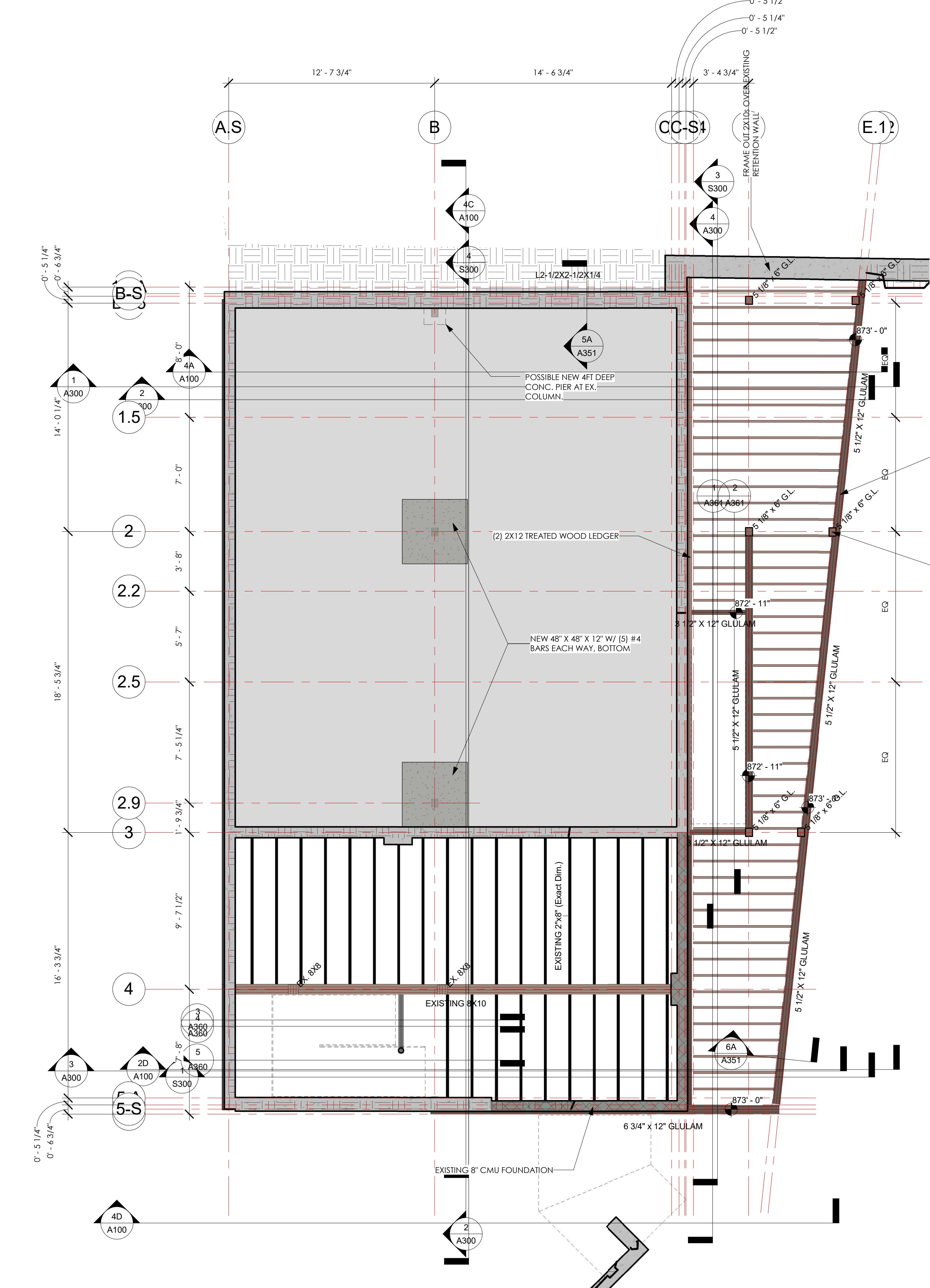
Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX 76302
roberto@zentenos.com

Desapex

#1075-B, 10th main, HAL 2nd stage,
Bengaluru -08
HVAC Designer: Desapex
shreenidhi@desapex.com



6B Structural - Foundation Plan
1/4" = 1'-0"



3B Structure - 1st Floor Frame
1/4" = 1'-0"

This project, like most OpenDesign's projects, is open source (Attribution-ShareAlike 4.0 International-CC BY-SA 4.0)-freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.

F Y F L L C .
Owner: FYF LLC.
43 S Water St E | Fort Atkinson, WI
ilovefunkys@hotmail.com

Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
roberto@zenteno.net | 832.449.9278

Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
roberto@zenteno.net | 832.449.9278



#1075-B, 10th main, HAL 2nd stage,
Bengaluru -08
HVAC Designer: Desapex
shreenidhi@desapex.com

A circular seal for Wisconsin Architects. The outer ring contains the word "WISCONSIN" at the top and "ARCHITECT" at the bottom, separated by stars. Inside the circle, the text reads "RYAN P. SCHULTZ A-11197-5 STOUGHTON, WI". To the right of the seal is a handwritten signature.

id

Architect: OpeningDesign
312 W. Lakeside St. | Madison, WI 53715
hello@openingdesign.com | 773-425-6456

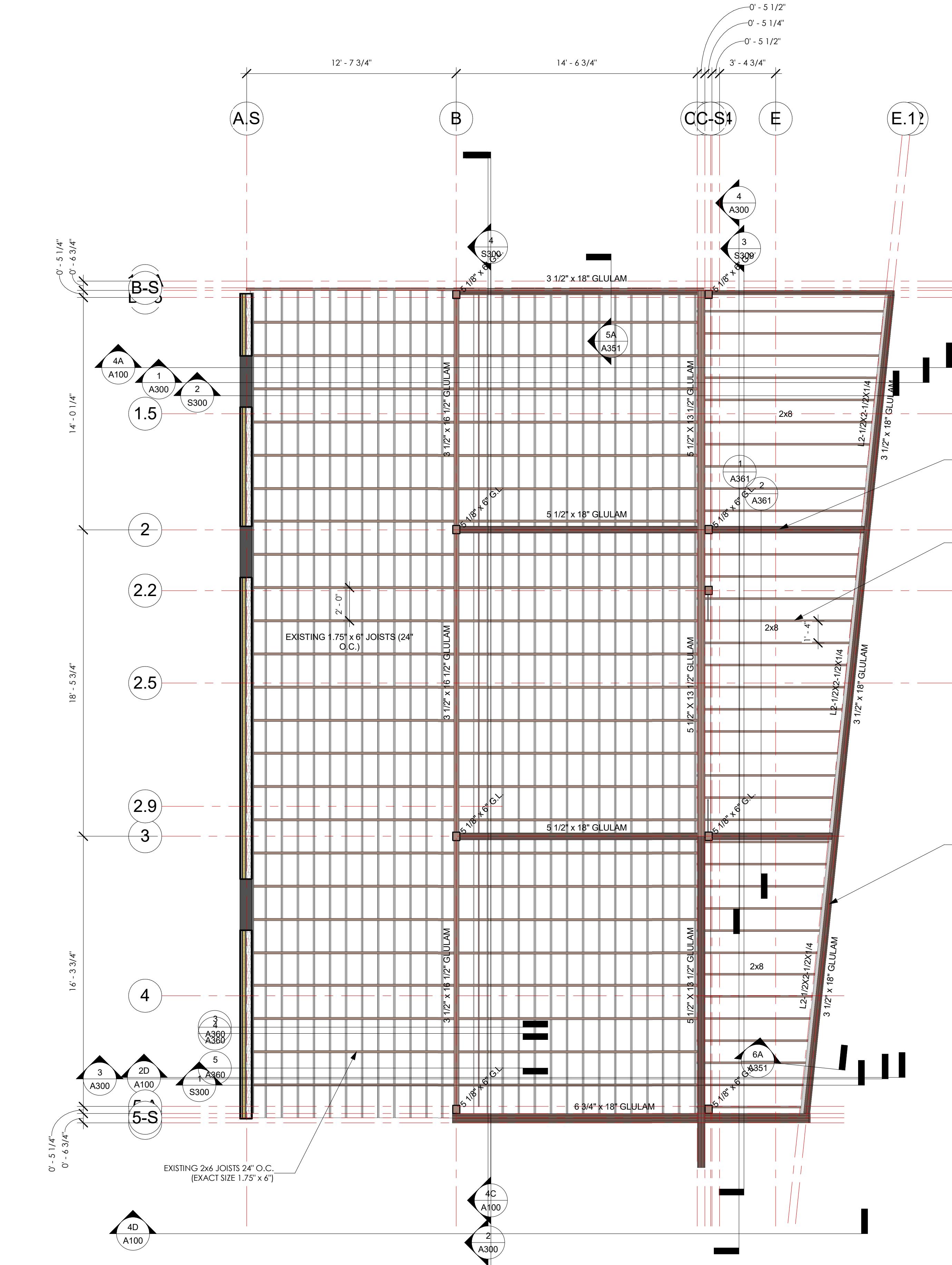
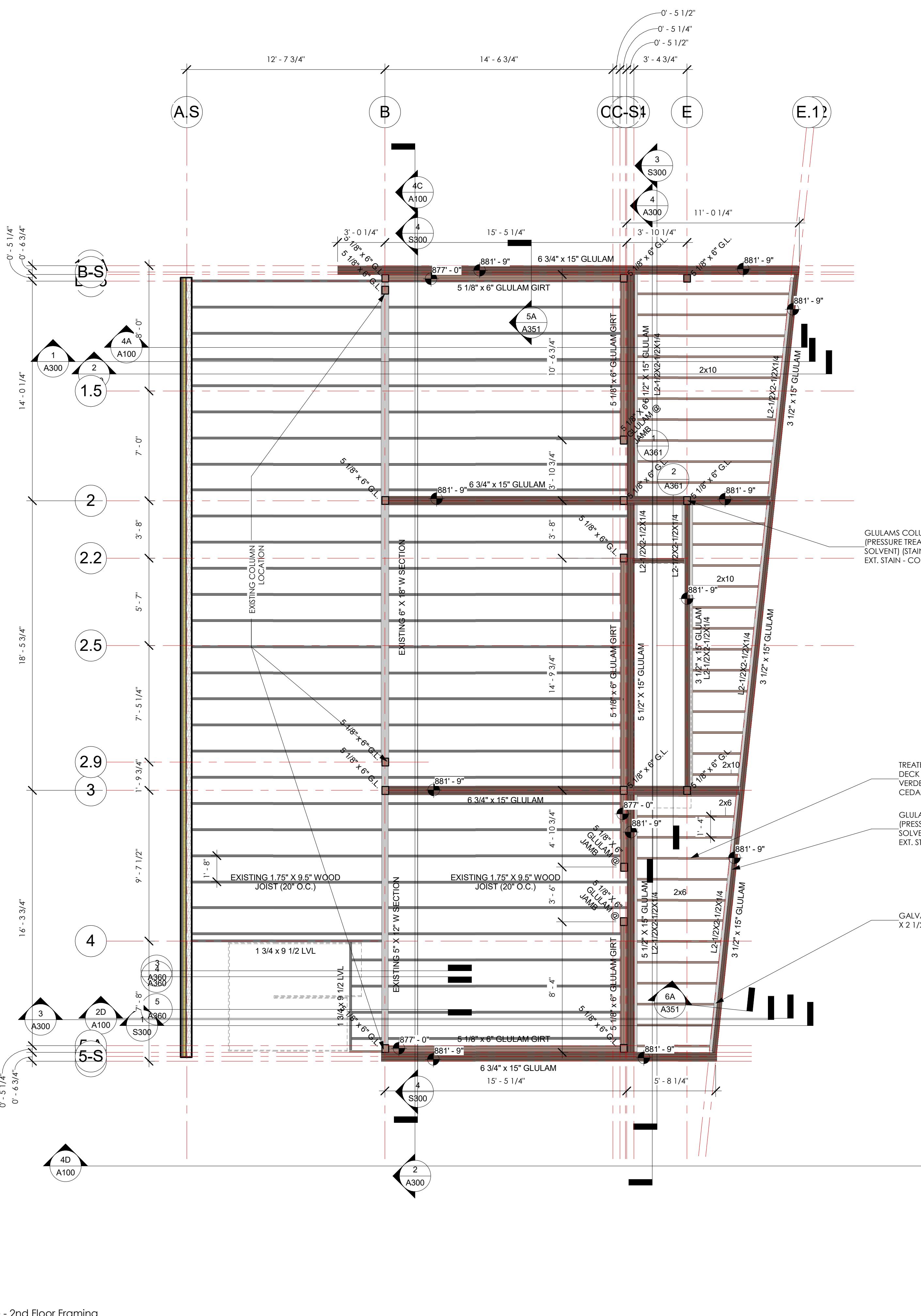
Description

Start & Footing/Foundation
Issue for Permit
Issue for Bid



#1075-B, 10th main, HAL 2nd stage,
Bengaluru -08
HVAC Designer: Desapex
shreenidhi@desapex.com

his project, like most [OpeningDesign's projects](#), is open source (Attribution-ShareAlike 4.0 International--CC-BY-SA 4.0) -freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.



6B Structure - 2nd Floor Framing
1/4" = 1'-0"

3B Structure - Roof Fram
1/4" = 1'-0"

The Downtowner | 640 West Main Street, Lake Geneva, WI 53147

S102

Architect: OpeningDesign
2 W. Lakeside St. | Madison, WI 53715
o@openingdesign.com | 773-425-6456

Description

Issue for Permit

Issue for Bid

FYF LLC.

Owner: FYF LLC,
43 S Water St E | Fort Atkinson, WI
ilovefunkys@hotmail.com

Zenteno Solutions

Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
roberto@zenteno.net | 832.449.9278



Desapex

#1075-B, 10th main, HAL 2nd stage,
Bengaluru -08
HVAC Designer: Desapex
shreenidhi@desapex.com

CC BY-SA 4.0 International

Attribution

ShareAlike

4.0

freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.

WISCONSIN
P. SCHULTZ
A-111075
STEVERTON
WI
ARCHITECT
[Signature]



This project, like most OpenDesign's projects, is open source. (Attribution-ShareAlike 4.0 International CC BY-SA 4.0) freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.

Architect: OpeningDesign
312 W. Lakeside St. | Madison, WI 53715
hello@openingdesign.com | 773-425-6456

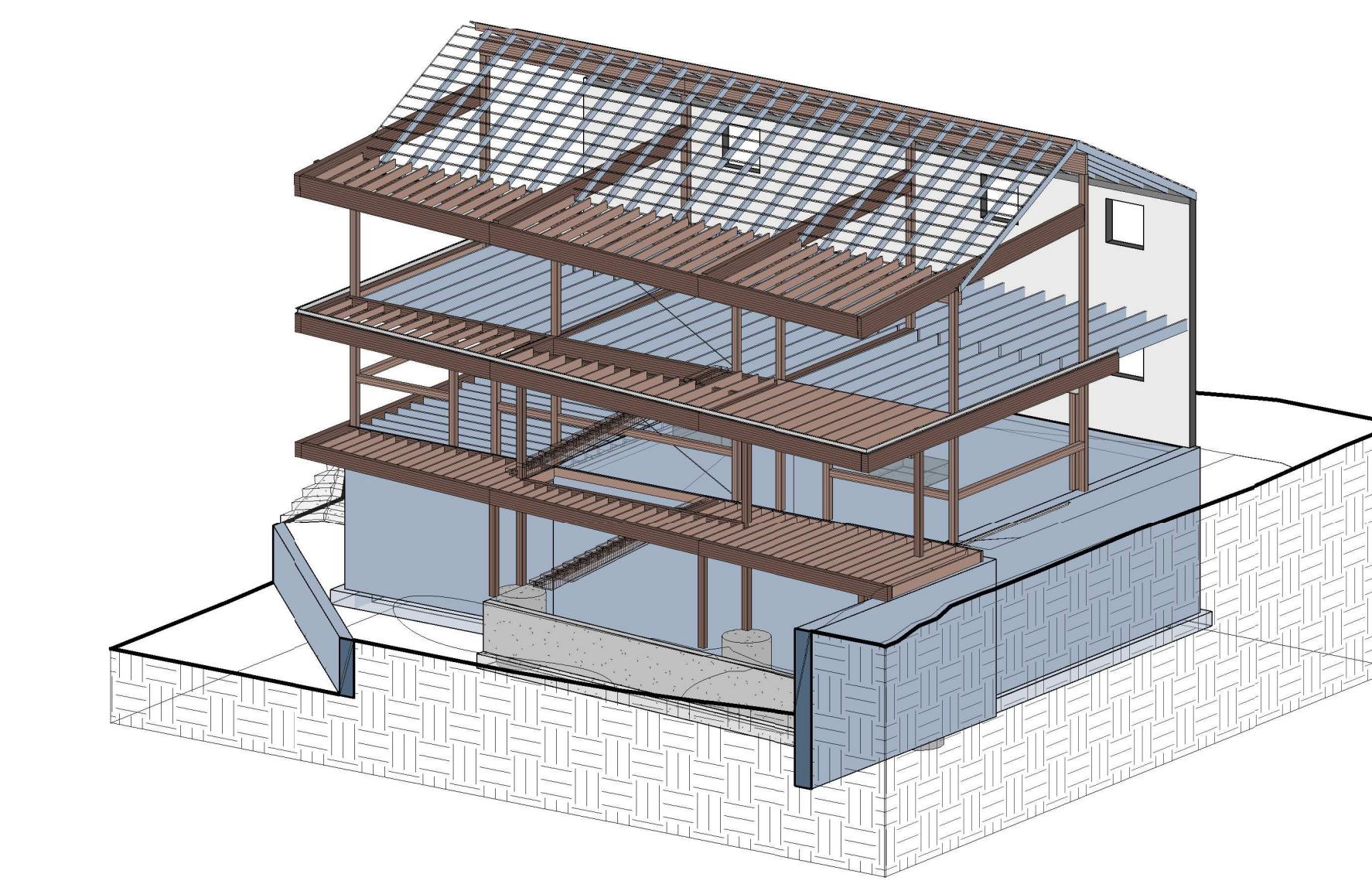
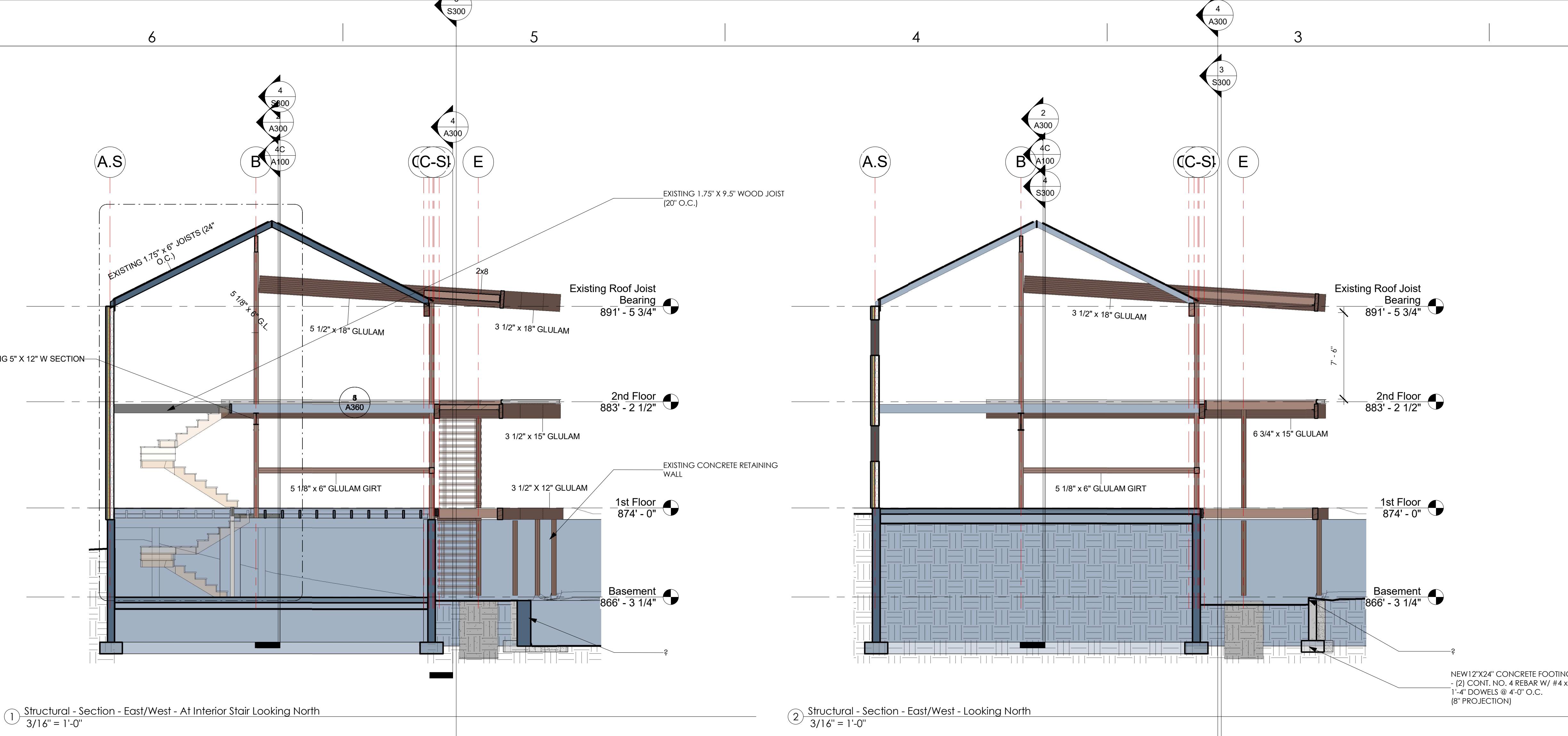
Date	05.03.2017
Description	Issue for Permit
Date	05.22.2017
Description	Issue for Bid

STRUCTURAL - SECTIONS

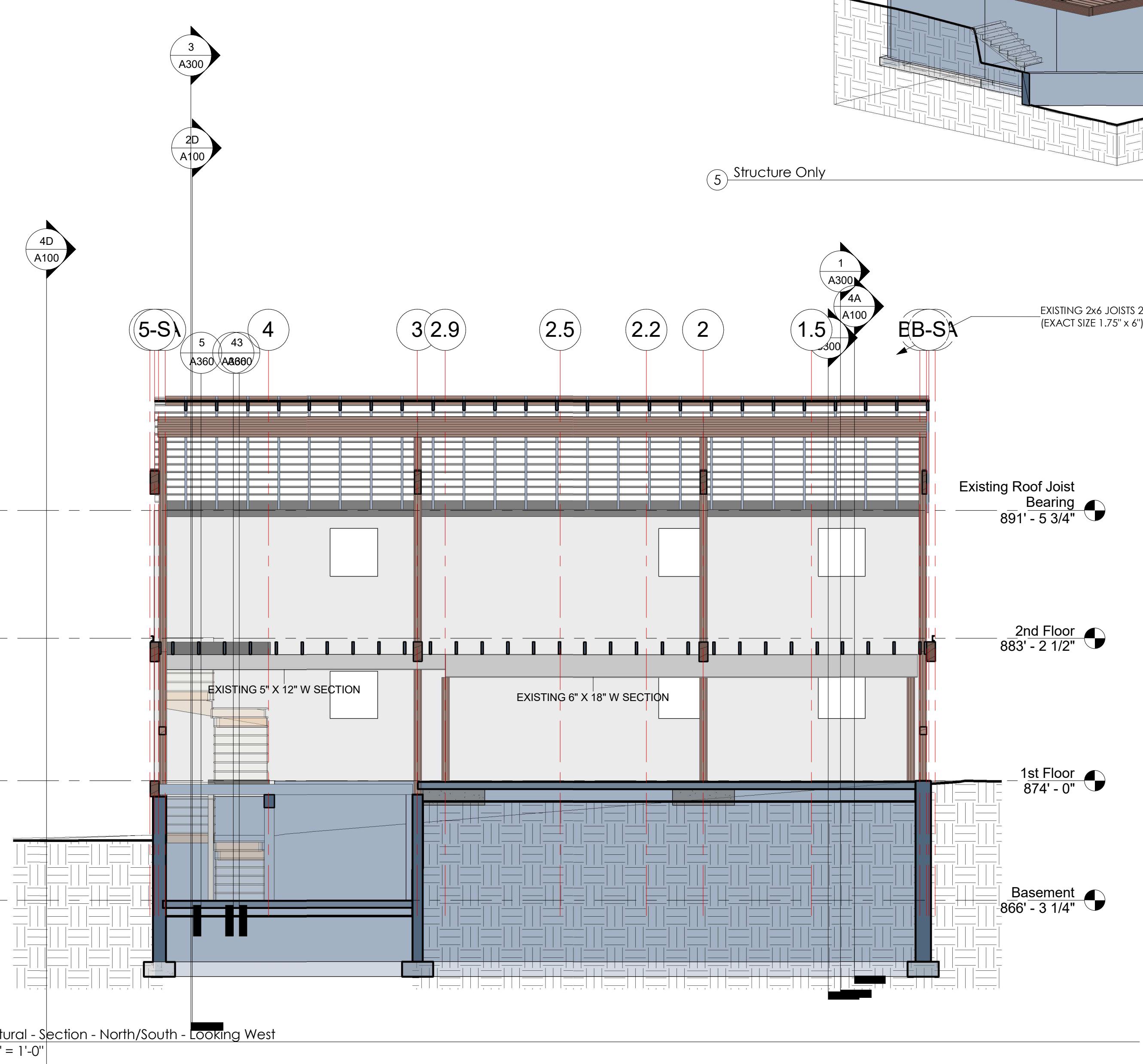
The Downtowner | 640 West Main Street, Lake Geneva, WI 53147

S300

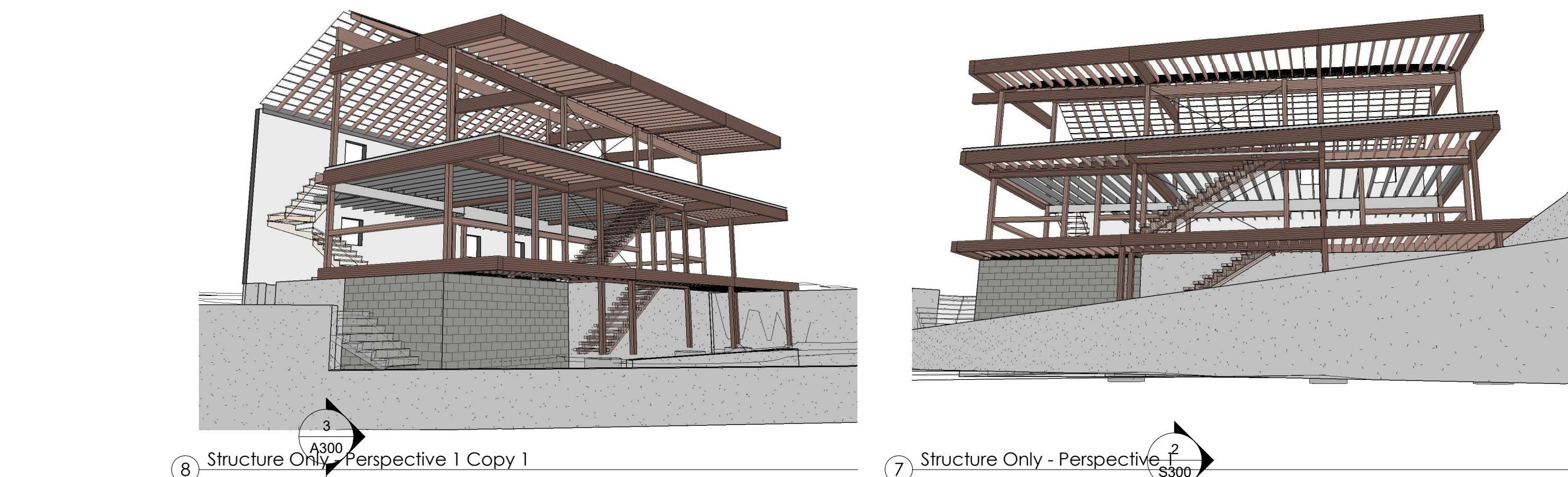
5/21/2017 10:49:09 PM



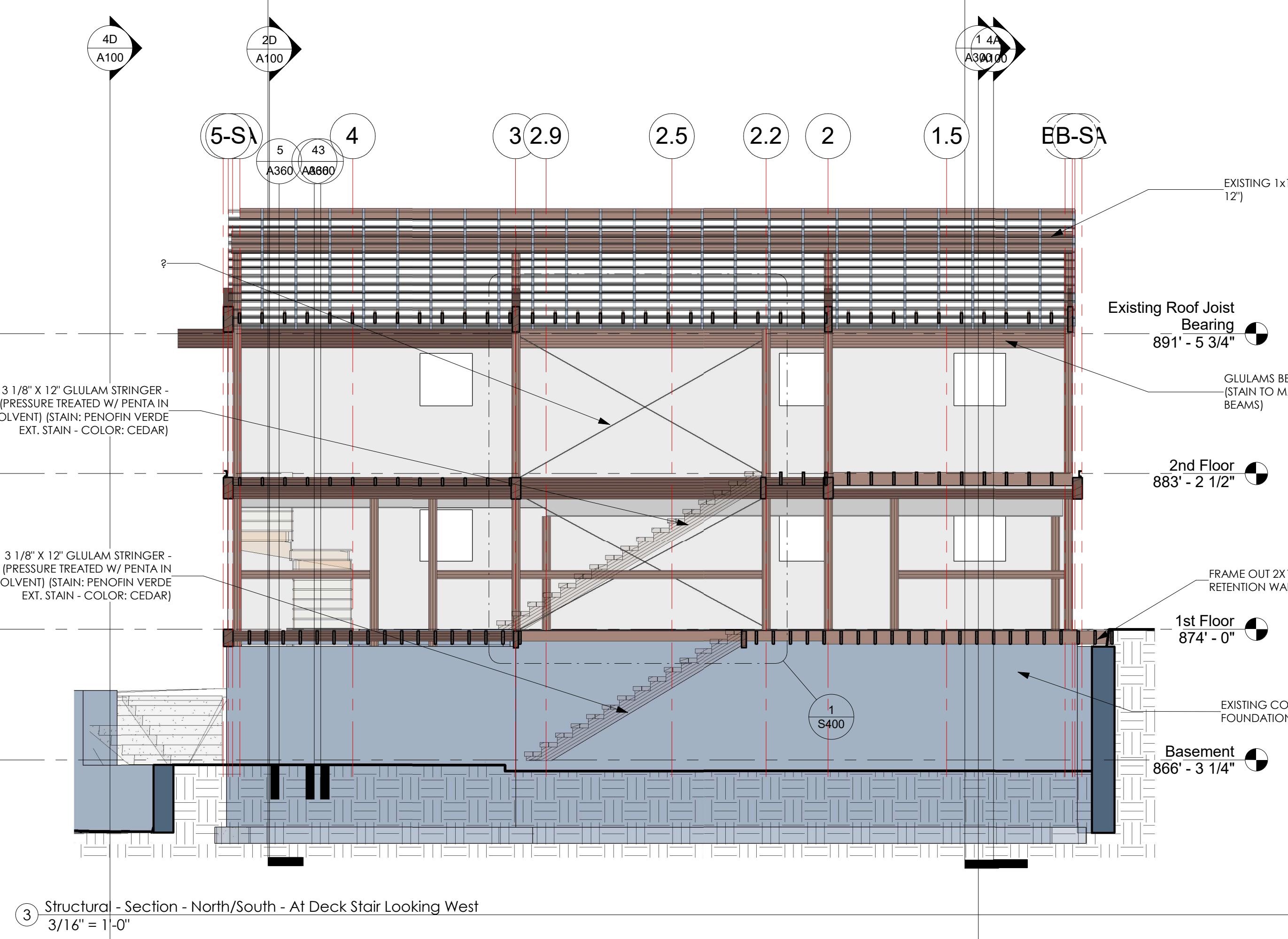
(6) Structure Only Copy 1



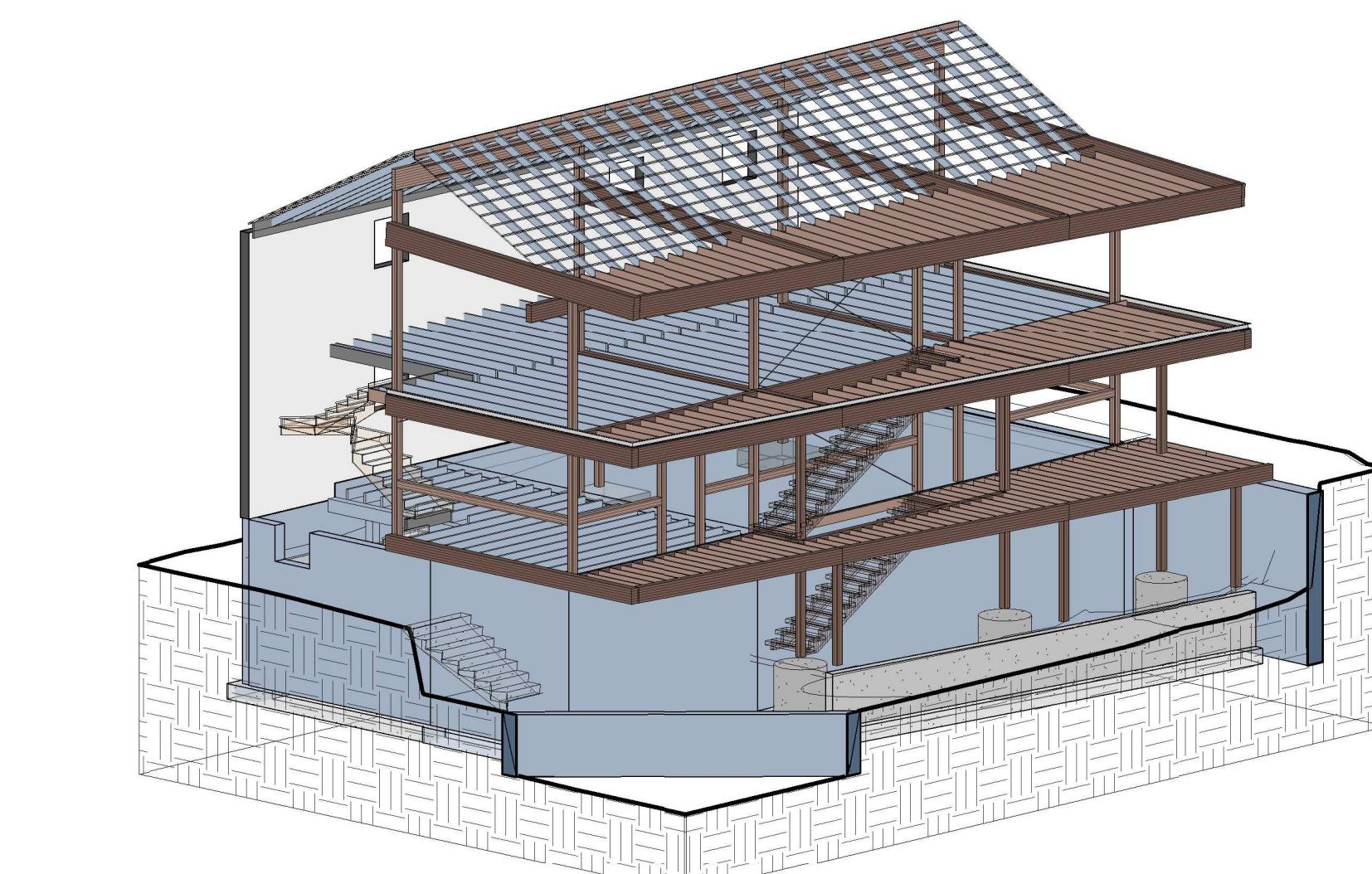
(4) Structural - Section - North/South - Looking West



(8) Structure Only - Perspective 1 Copy 1



(3) Structural - Section - North/South - At Deck Stair Looking West



(5) Structure Only

FYF LLC.

Owner: FYF LLC,
43 S Water St E | Fort Atkinson, WI
ilovefunkys@hotmail.com

Zenteno Solutions

Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
roberto@zenteno.net | 832.449.9278



Desapex

#1075-B, 10th main, HAL 2nd stage,
Bengaluru -08
HVAC Designer: Desapex
shreenidhi@desapex.com

This project, like most OpenDesign's projects, is open source. (Attribution-ShareAlike 4.0 International CC BY-SA 4.0) freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.

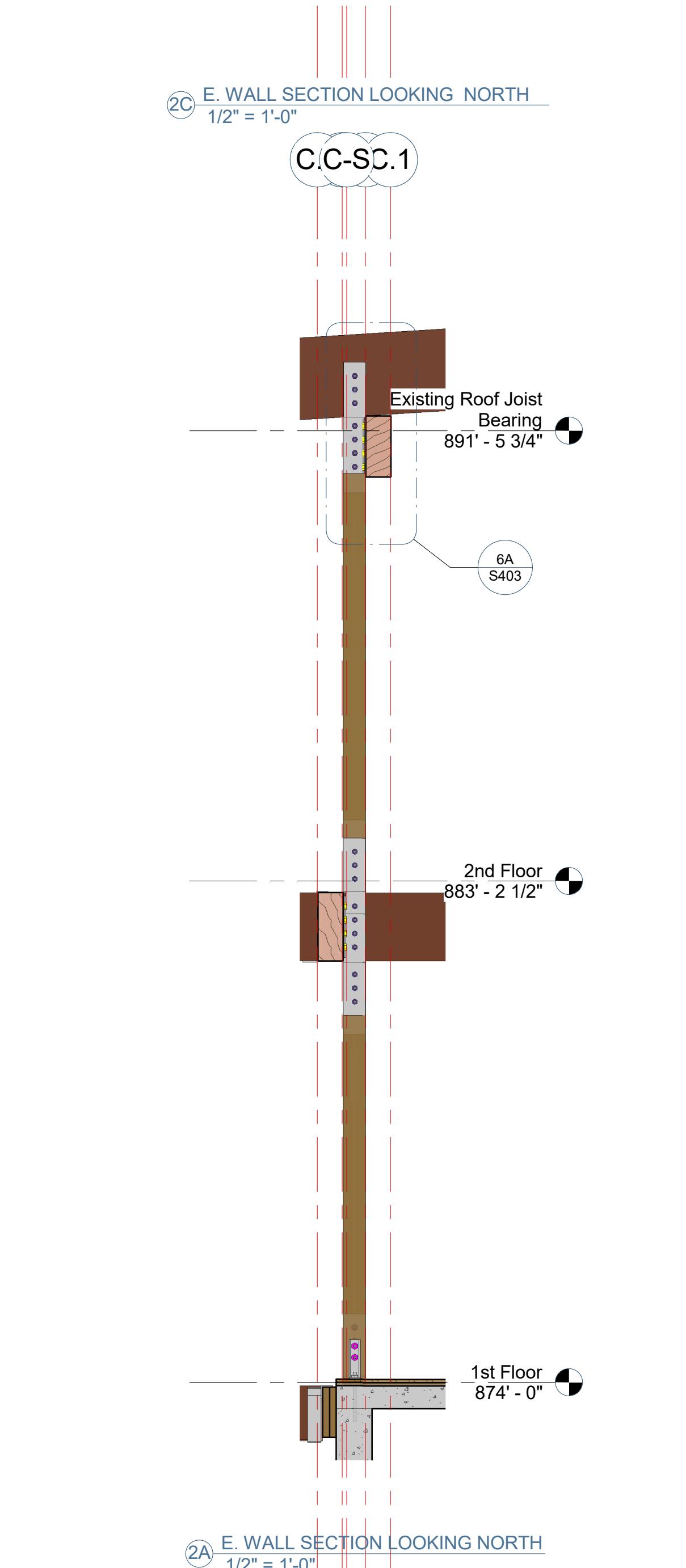
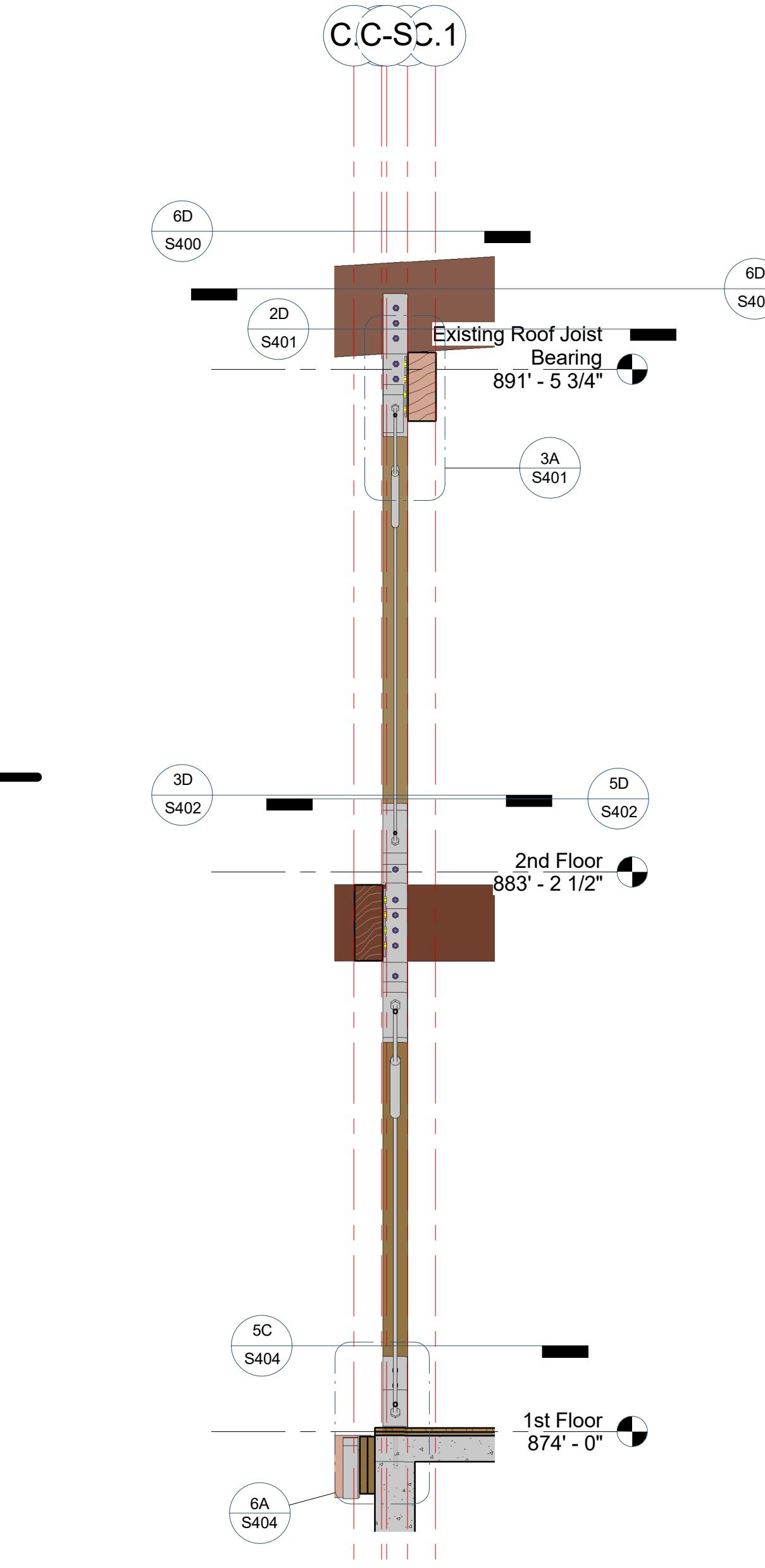
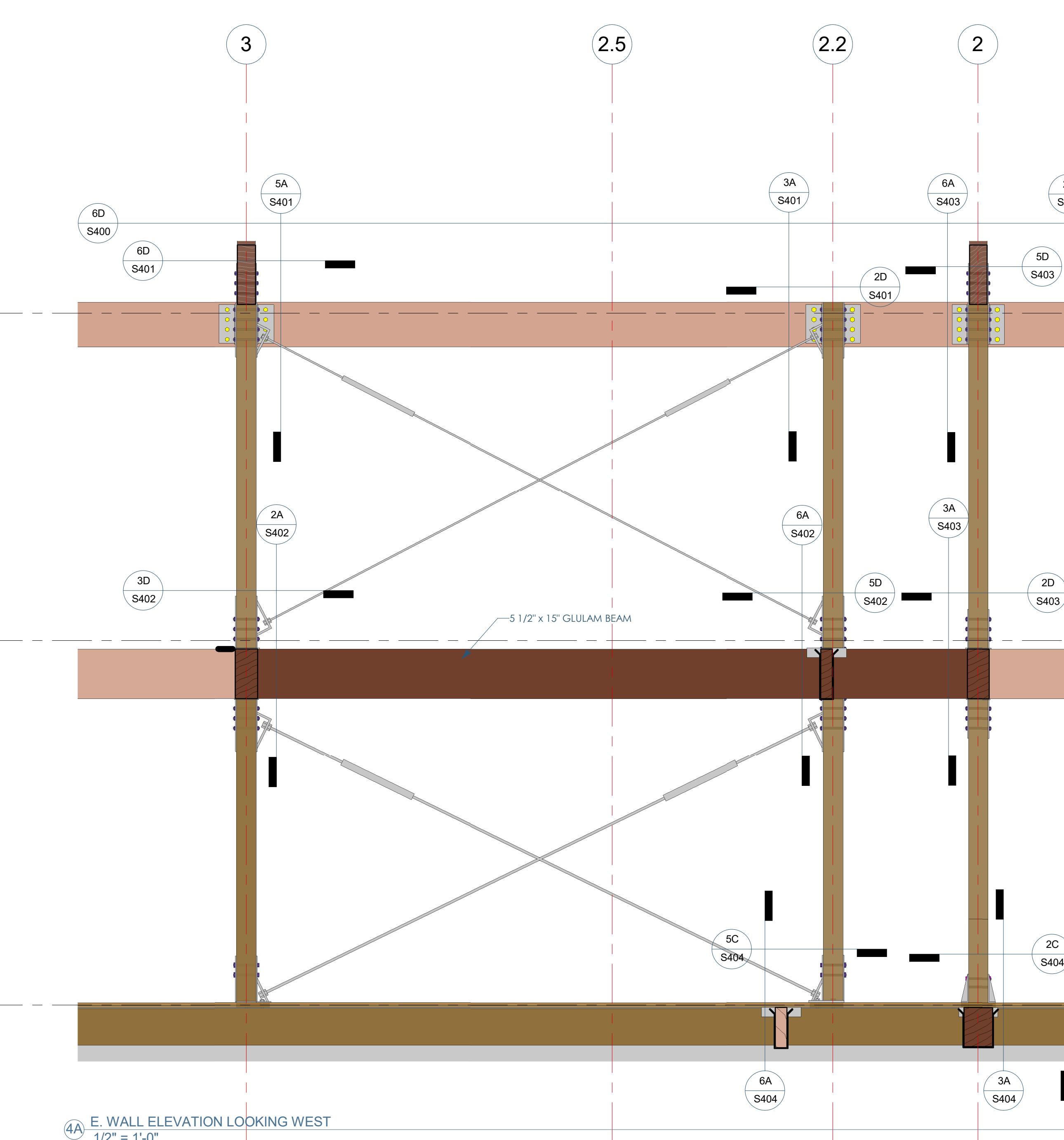
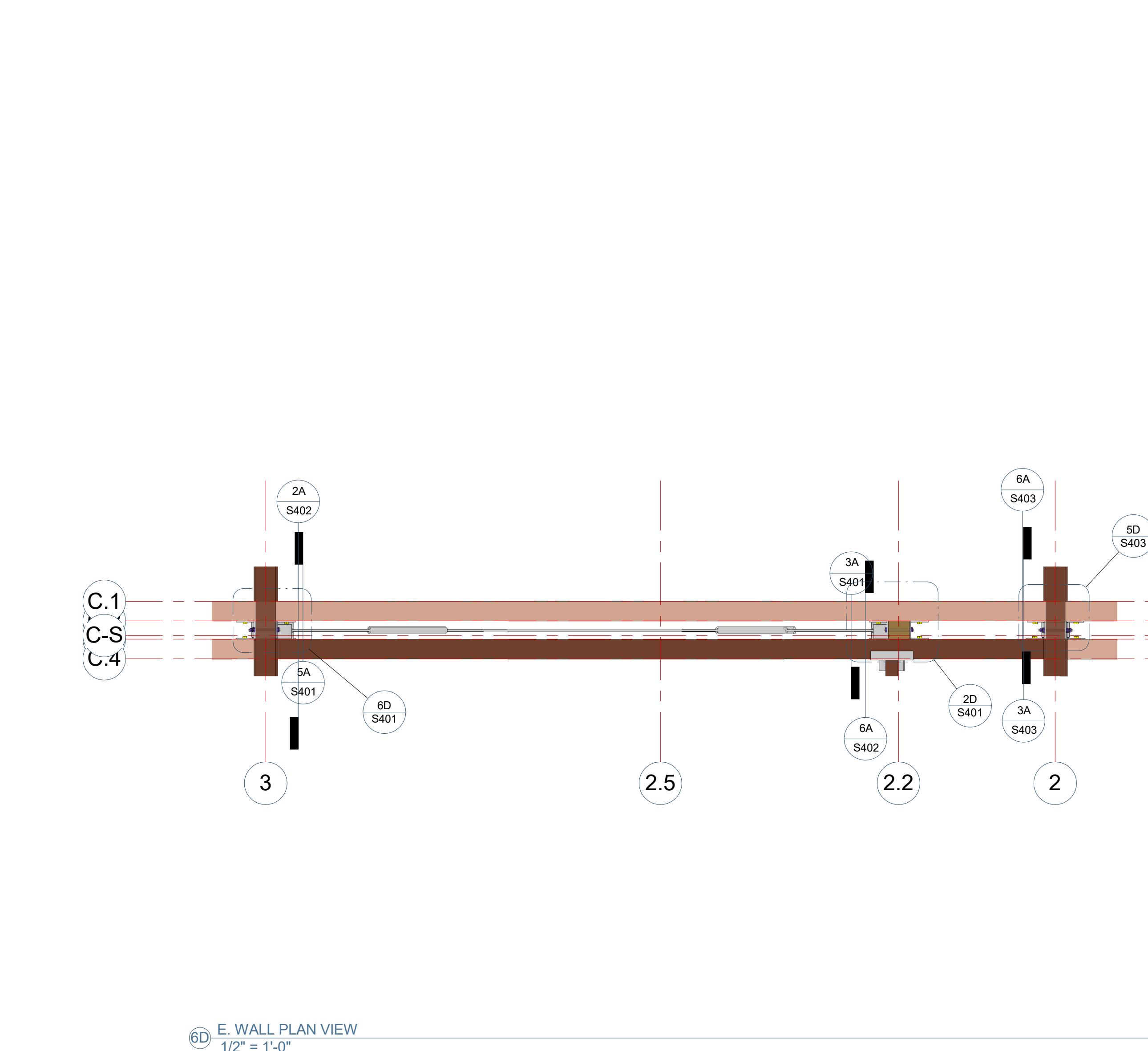
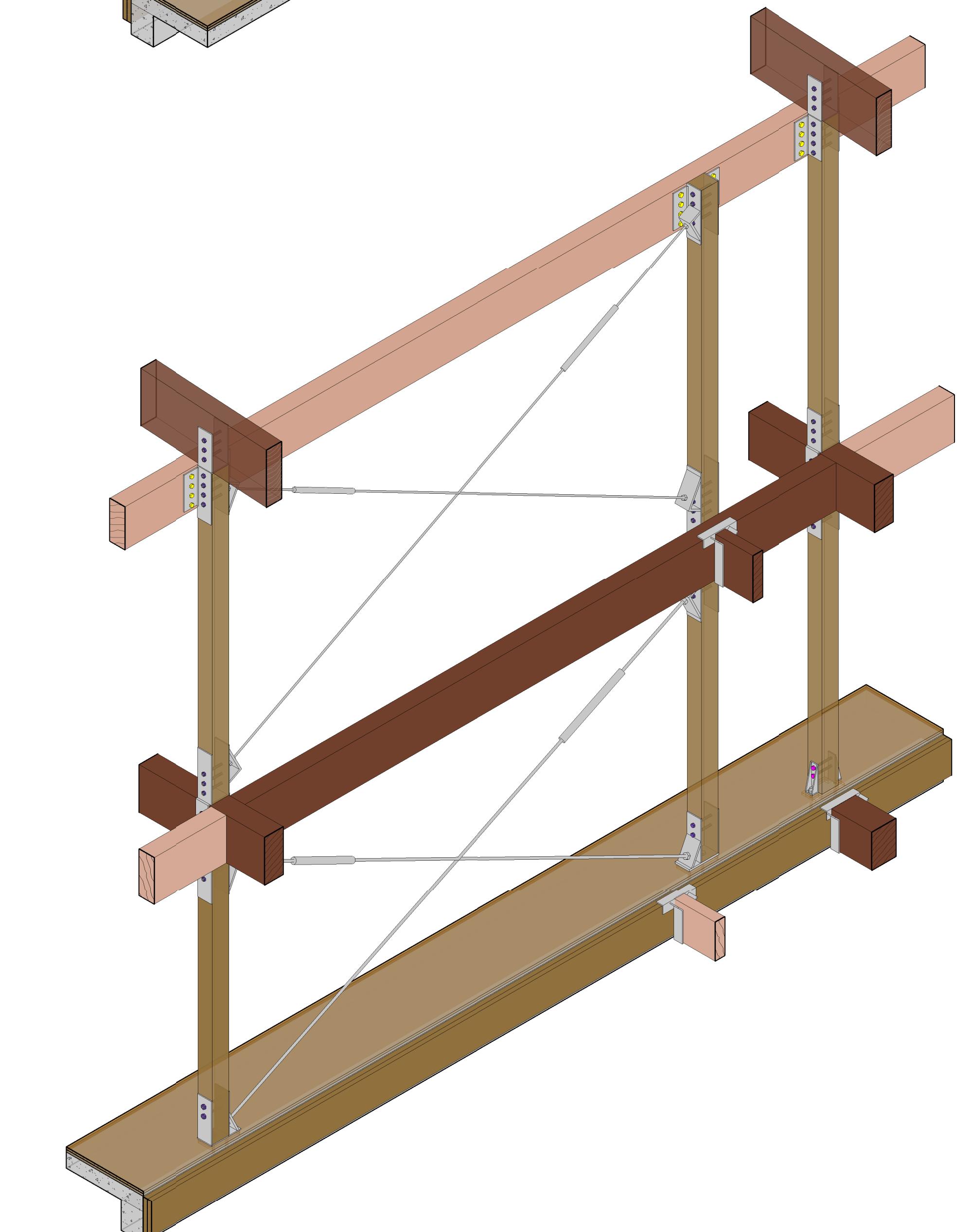
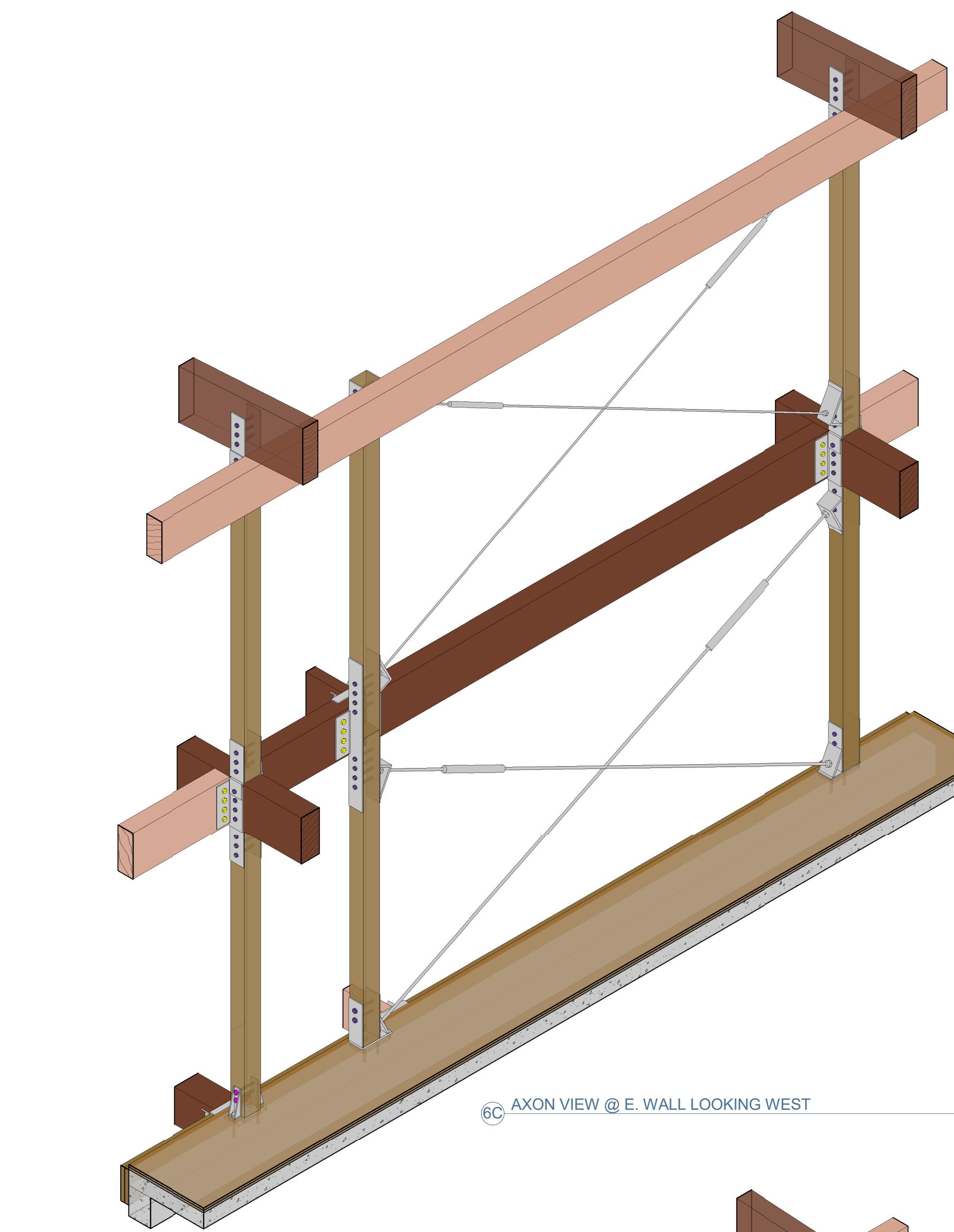
Architect: OpeningDesign
312 W. Lakeside St. | Madison, WI 53715
hello@openingdesign.com | 773-425-6456

Date	Description
05.03.2017	Issue For Permit
05.22.2017	Issue for Bid

BRACING ELEVATION

S400

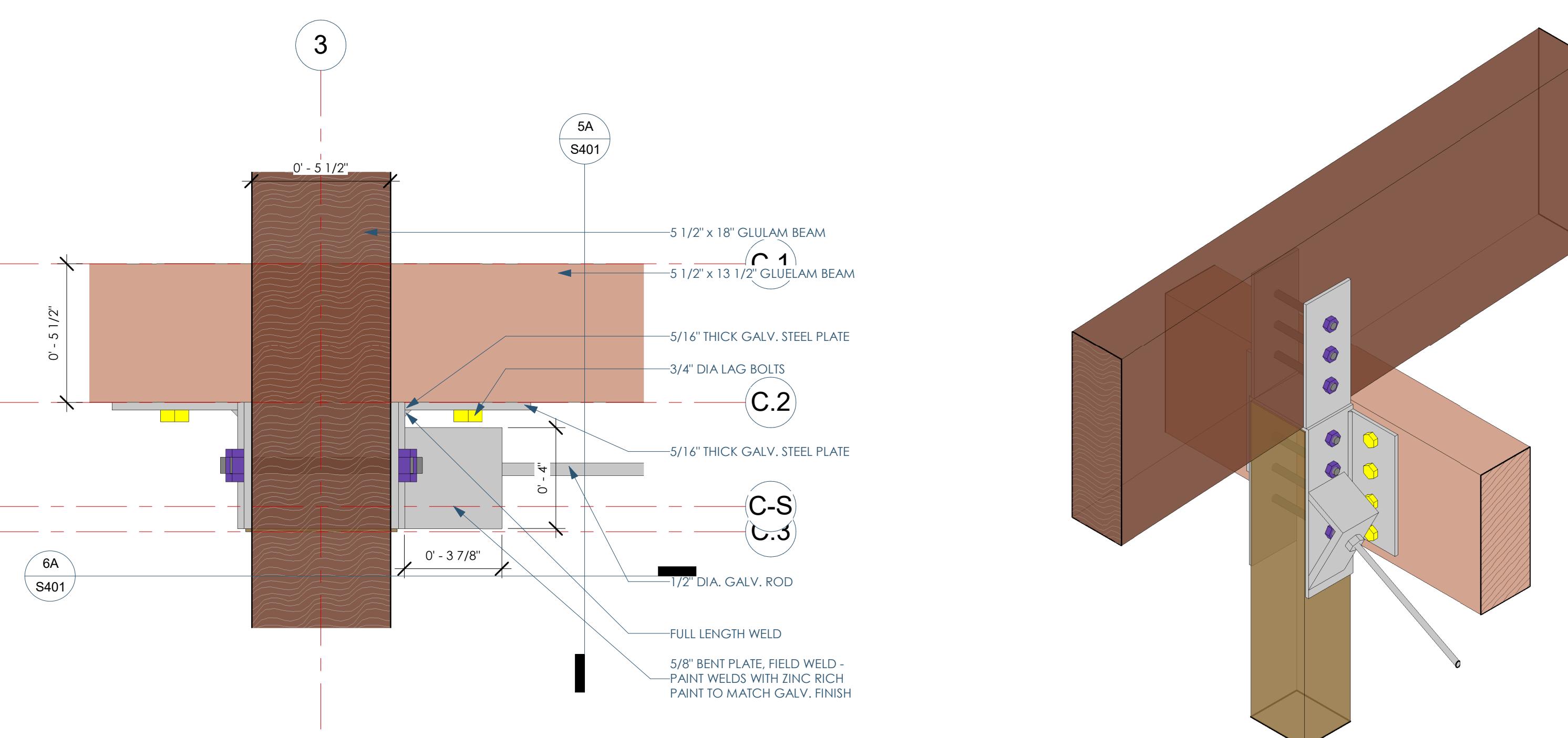
5/21/2017 9:58:31 PM



The Downtowner | 640 West Main Street, Lake Geneva, WI 53147

GENERAL NOTES
UNLESS OTHERWISE INDICATED, ALL PARTS TO BE GALVANIZED (HOT DIPPED) AFTER FABRICATION. MINIMIZE FIELD WELDING AS MUCH AS POSSIBLE.

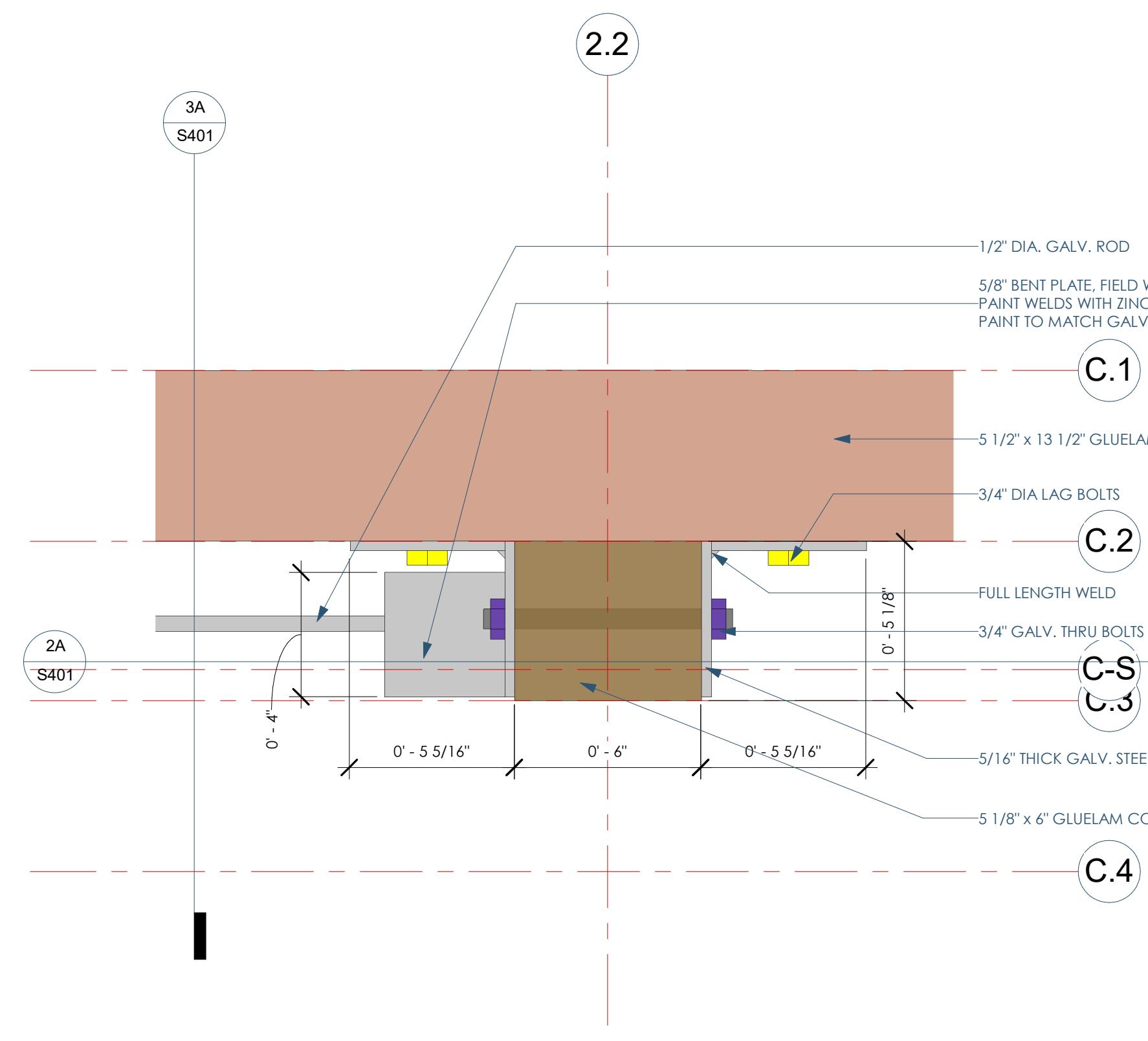
6 5 4 3 2 1 E E



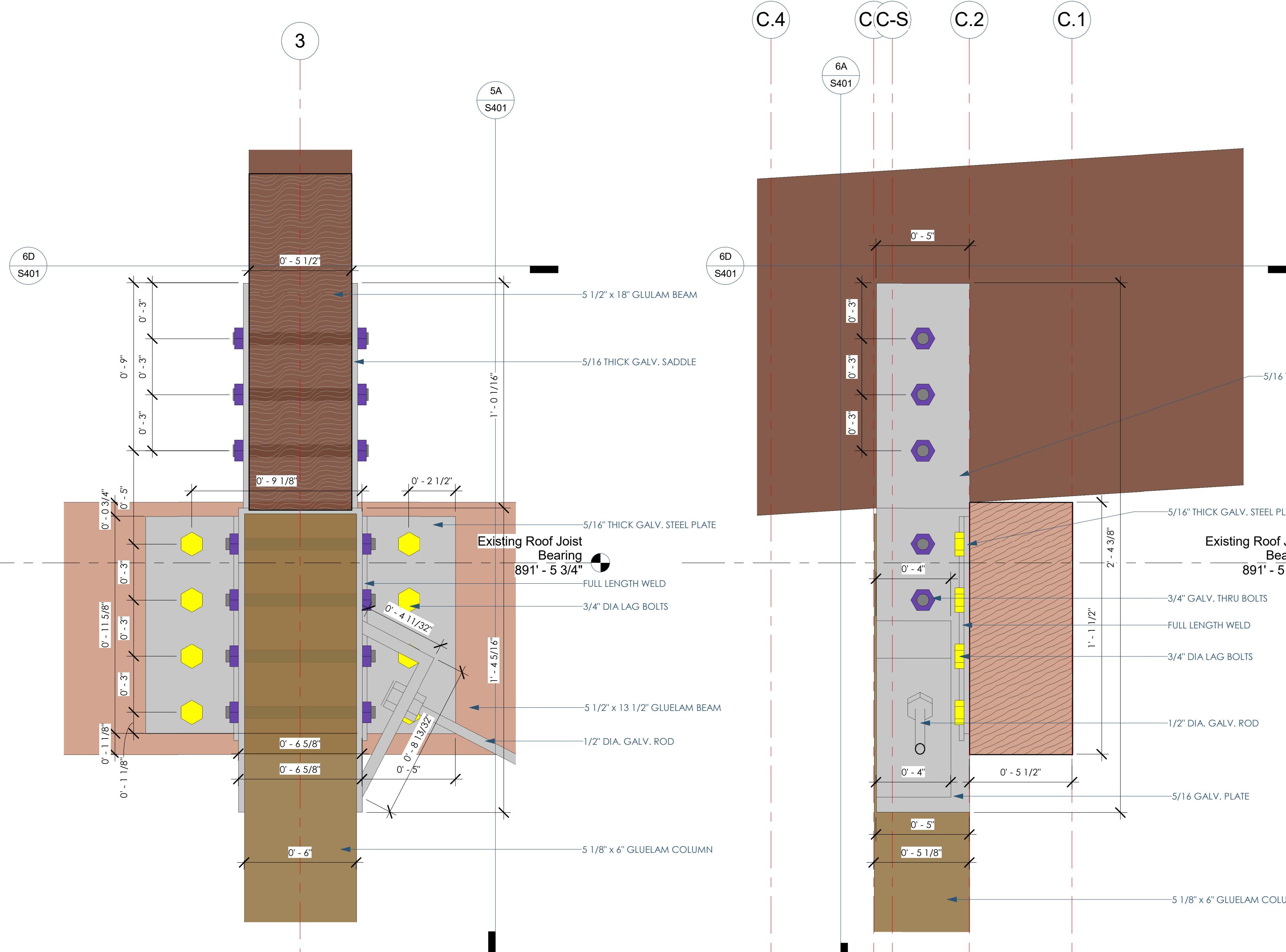
⑥D ROOF DETAIL PLAN @ E. WALL
3" = 1'-0"

⑤D ROOF AXON DETAIL @ E. WALL

③D ROOF AXON DETAIL @ E. WALL



②D ROOF PLAN DETAIL @ E. WALL
3" = 1'-0"



⑥A ROOF DETAIL @ E. WALL LOOKING EAST
3" = 1'-0"

⑤A ROOF DETAIL @ E. WALL LOOKING NORTH
3" = 1'-0"

③A ROOF DETAIL @ E. WALL LOOKING NORTH
3" = 1'-0"

②A ROOF DETAIL @ E. WALL LOOKING WEST
3" = 1'-0"

The Downtowner | 640 West Main Street, Lake Geneva, WI 53147

BRACING DETAILS

S401

FYF LLC.
Owner: FYF LLC,
43 S Water St E | Fort Atkinson, WI
ilovefunkys@hotmail.com

Zenteno Solutions
Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
roberto@zenteno.net | 832.449.9278

Desapex
#1075-B, 10th main, HAL 2nd stage,
Bengaluru -08
HVAC Designer: Desapex
shreenidhi@desapex.com

This project, like most OpenDesign's projects, is open source. (Attribution-ShareAlike 4.0 International CC BY-SA 4.0) freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.

WISCONSIN
FIRM P.
SCHULTZ
A-111075
STOUTON
WI
ARCHITECT

openingdesign
Architect: OpeningDesign
312 W. Lakeside St. | Madison, WI 53715
hello@openingdesign.com | 773-425-6456

Date	Description
05.03.2017	Issue For Permit
05.22.2017	Issue for Bid

5/21/2017 9:58:34 PM

GENERAL NOTES
UNLESS OTHERWISE INDICATED, ALL PARTS TO BE GALVANIZED (HOT DIPPED) AFTER FABRICATION. MINIMIZE FIELD WELDING AS MUCH AS POSSIBLE.

FYF LLC.
Owner: FYF LLC,
43 S Water St E | Fort Atkinson, WI
ilovefunkys@hotmail.com

Zenteno Solutions

Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
roberto@zenteno.net | 832.449.9278



#1075-B, 10th main, HAL 2nd stage,
Bengaluru -08
HVAC Designer: Desapex
shreenidhi@desapex.com

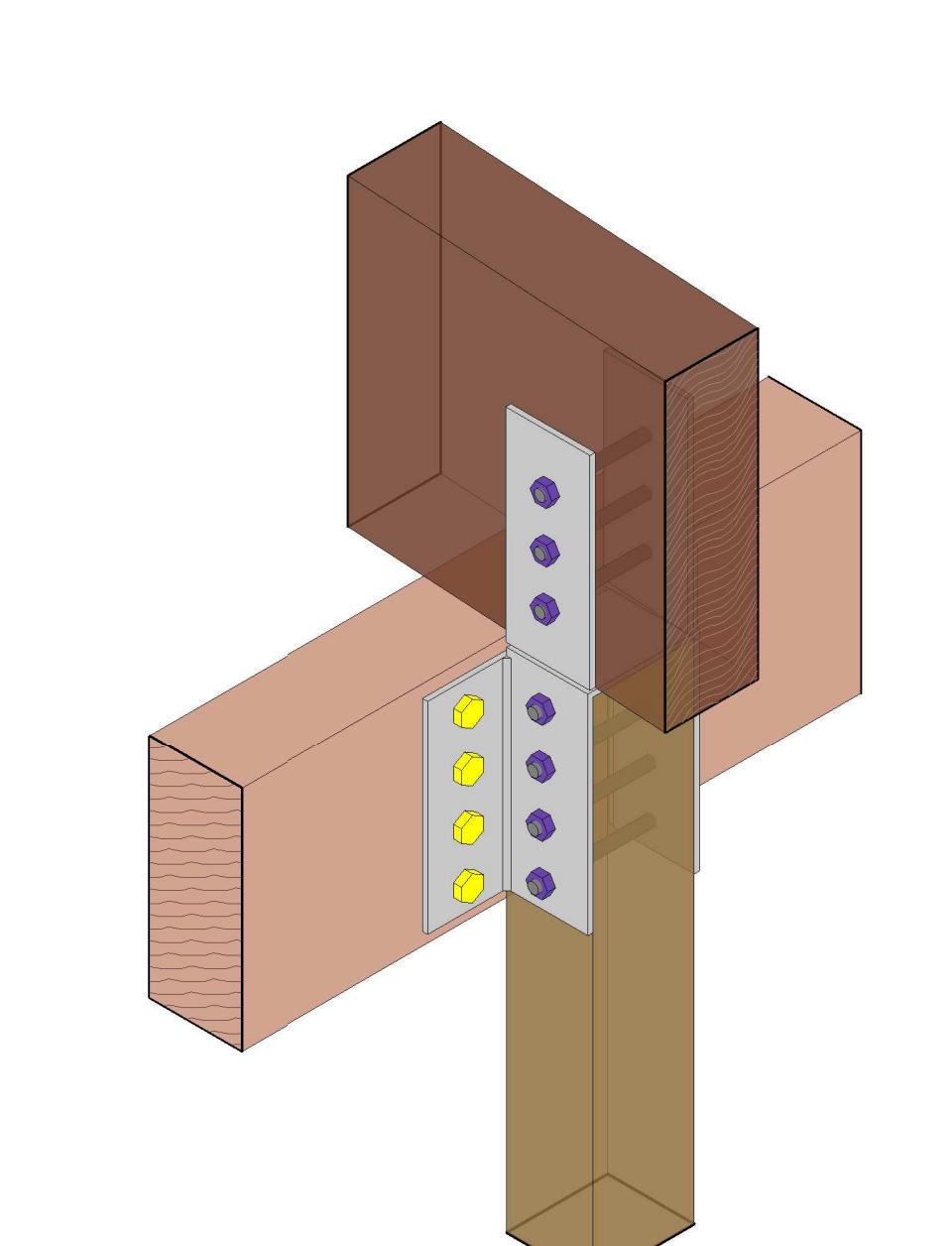
WISCONSIN
FIRM P.
SCHULTZ
A-111075
STEVENS POINT
WI
ARCHITECT



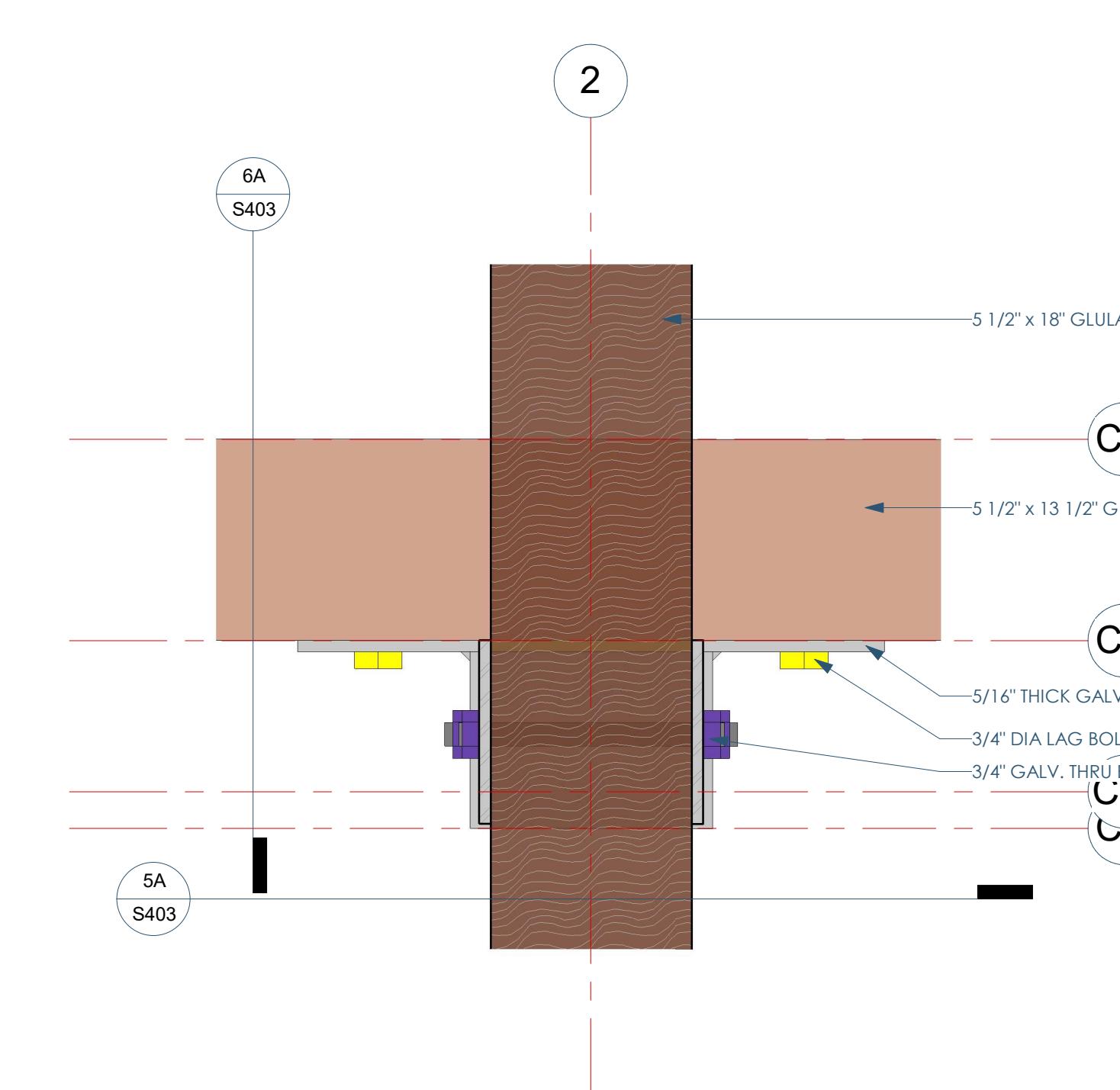
Architect: OpeningDesign
312 W. Lakeside St. | Madison, WI 53715
hello@openingdesign.com | 773-425-6456

Date
05.22.2017
Description
Issue for Bid

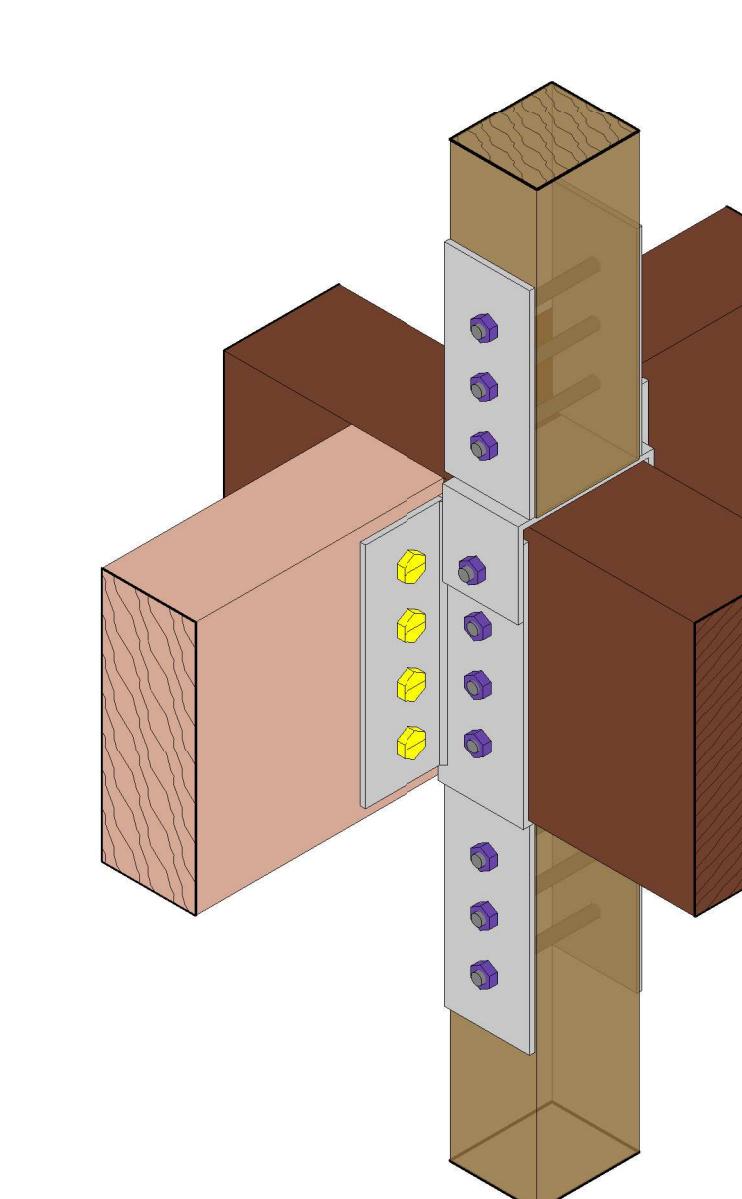
This project, like most OpeningsDesign's projects, is open source. (Attribution-ShareAlike 4.0 International CC BY-SA 4.0) freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.



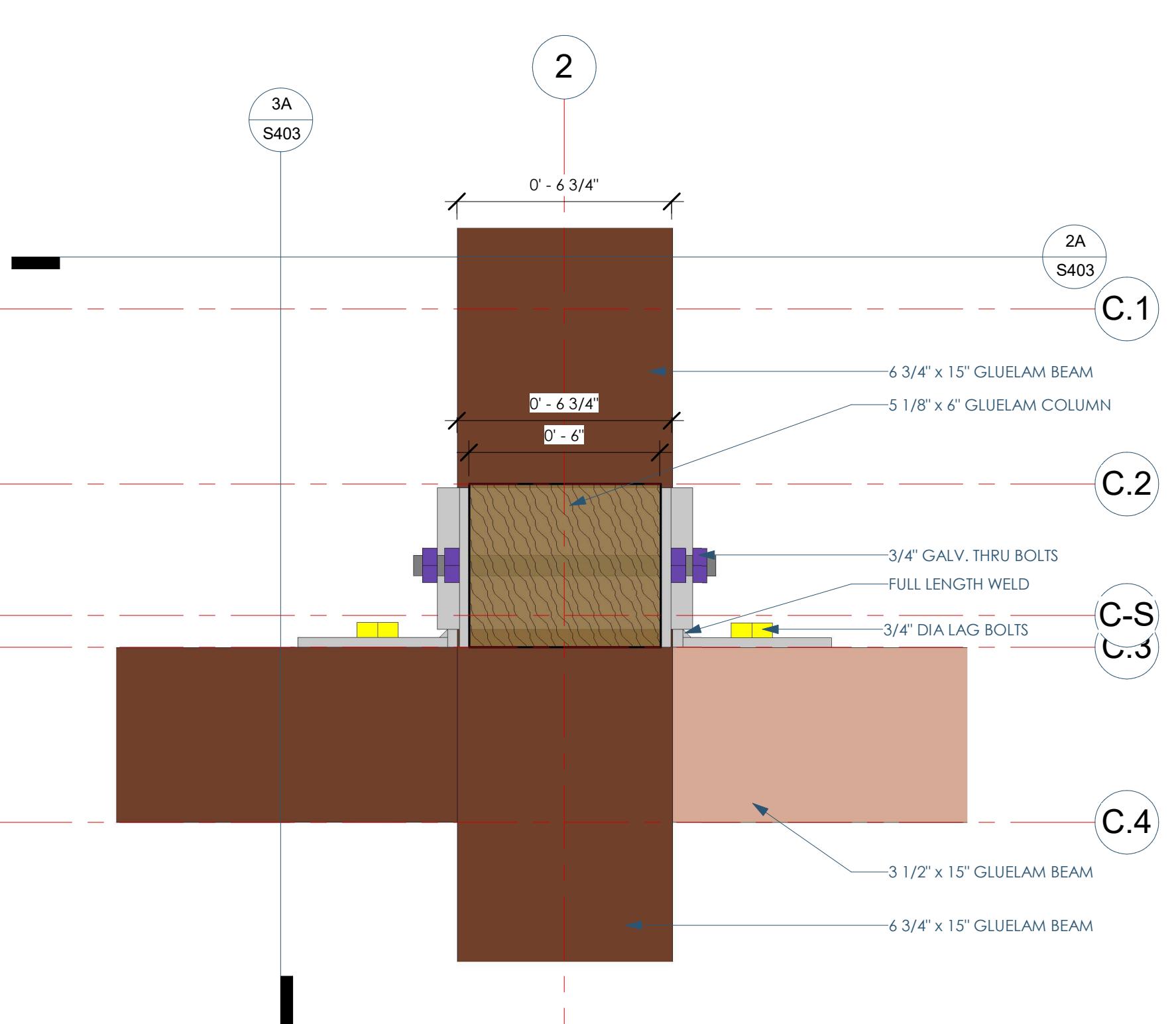
6D ROOF AXON DETAIL @ E. WALL



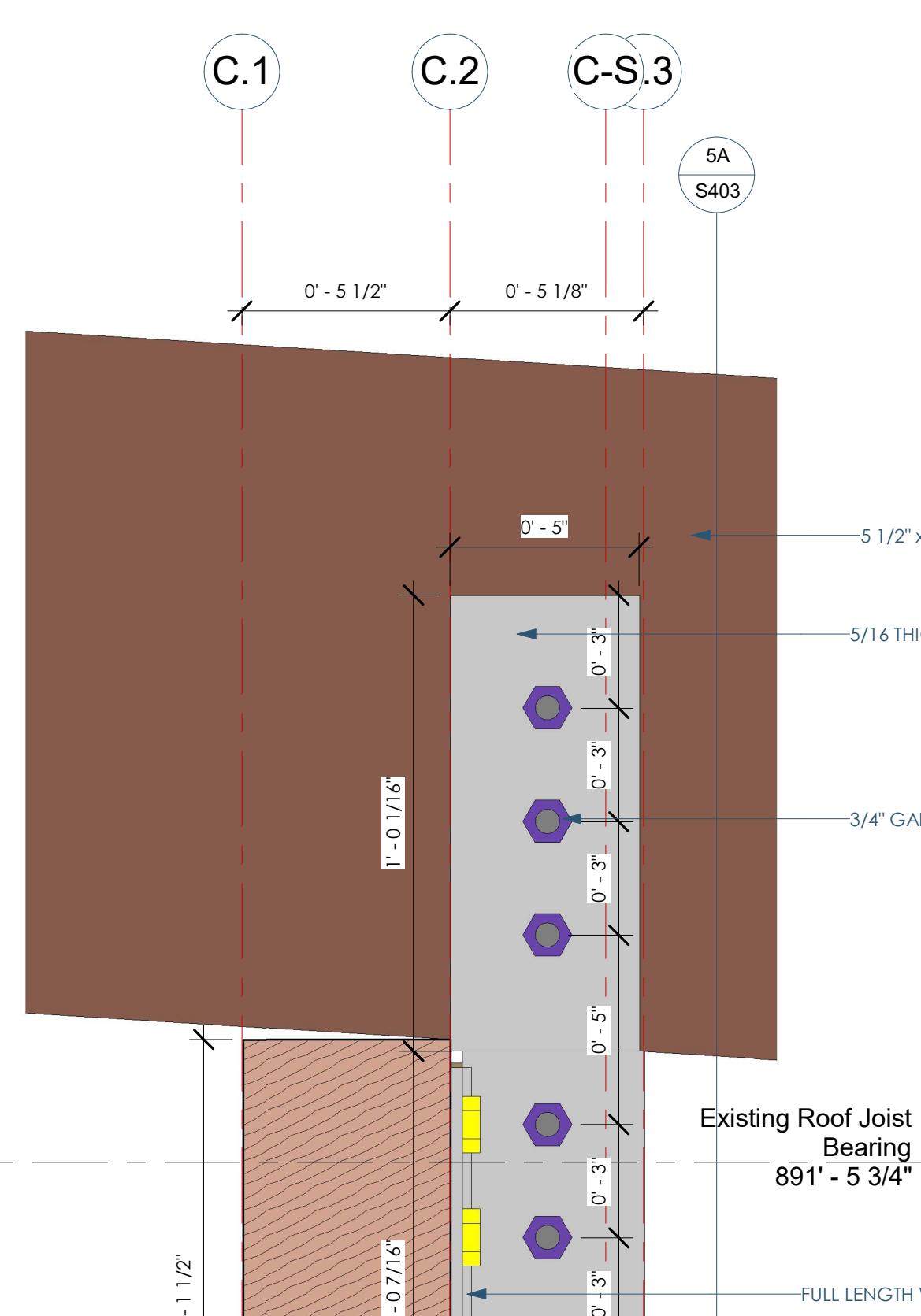
5D ROOF PL. DETAIL @ E. WALL
3" = 1'-0"



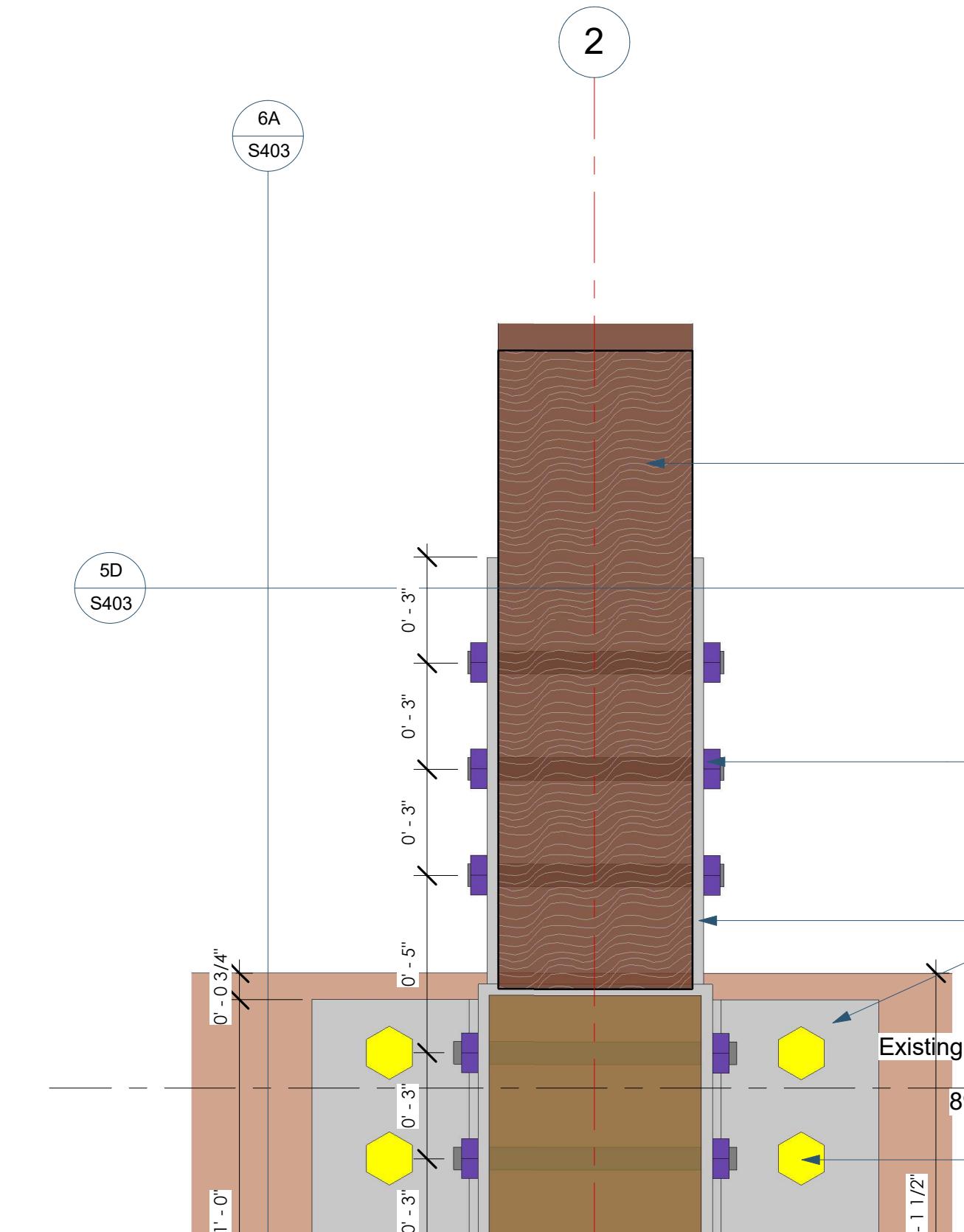
3D AXON VIEW DETAIL @ 2ND FL. E. BEAM & POST CONNECTION



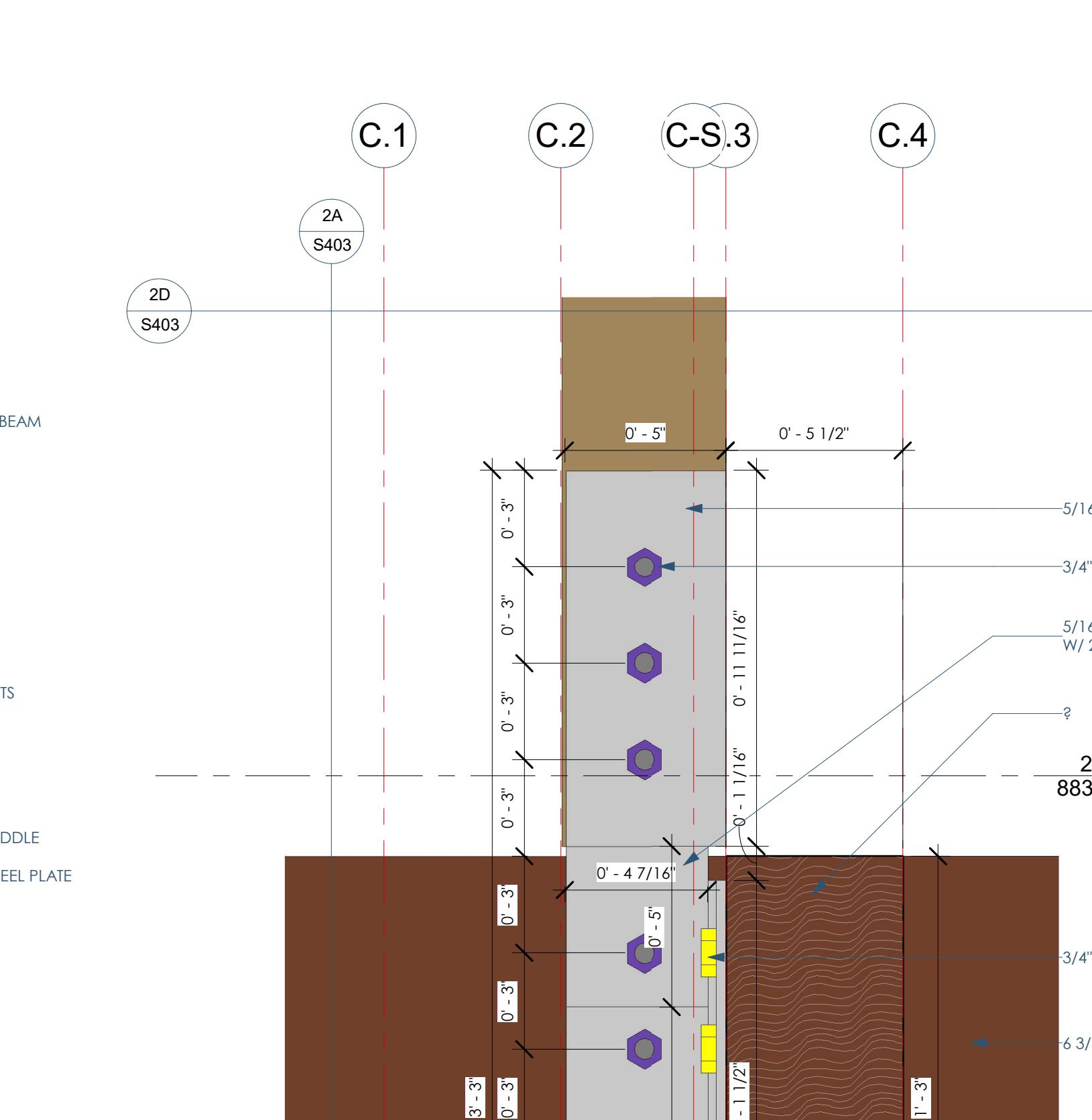
2D PLAN VIEW DETAIL @ 2ND FL. E. BEAM & POST CONNECTION
3" = 1'-0"



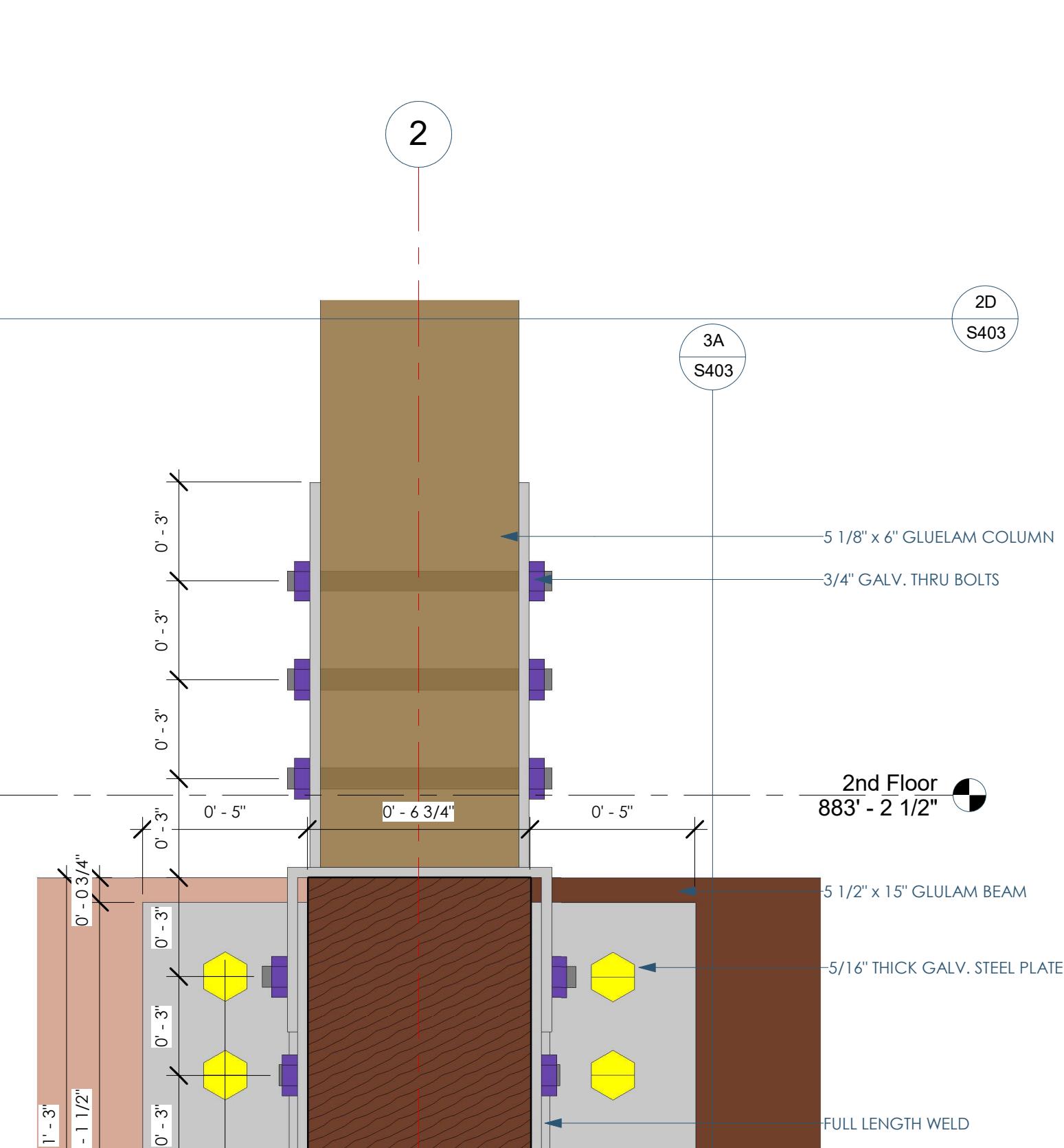
6A ROOF DETAIL @ E. WALL LOOKING NORTH
3" = 1'-0"



5A ROOF DETAIL @ E. WALL LOOKING WEST
3" = 1'-0"



3A 2ND FL. DETAIL @ E. WALL LOOKING NORTH
3" = 1'-0"



2A 2ND FL. DETAIL @ E. WALL LOOKING WEST
3" = 1'-0"

The Downtowner | 640 West Main Street, Lake Geneva, WI 53147

S403

5/21/2017 9:58:41 PM

BRACING DETAILS

GENERAL NOTES
UNLESS OTHERWISE INDICATED, ALL PARTS TO BE GALVANIZED (HOT DIPPED) AFTER FABRICATION. MINIMIZE FIELD WELDING AS MUCH AS POSSIBLE.

6

5

4

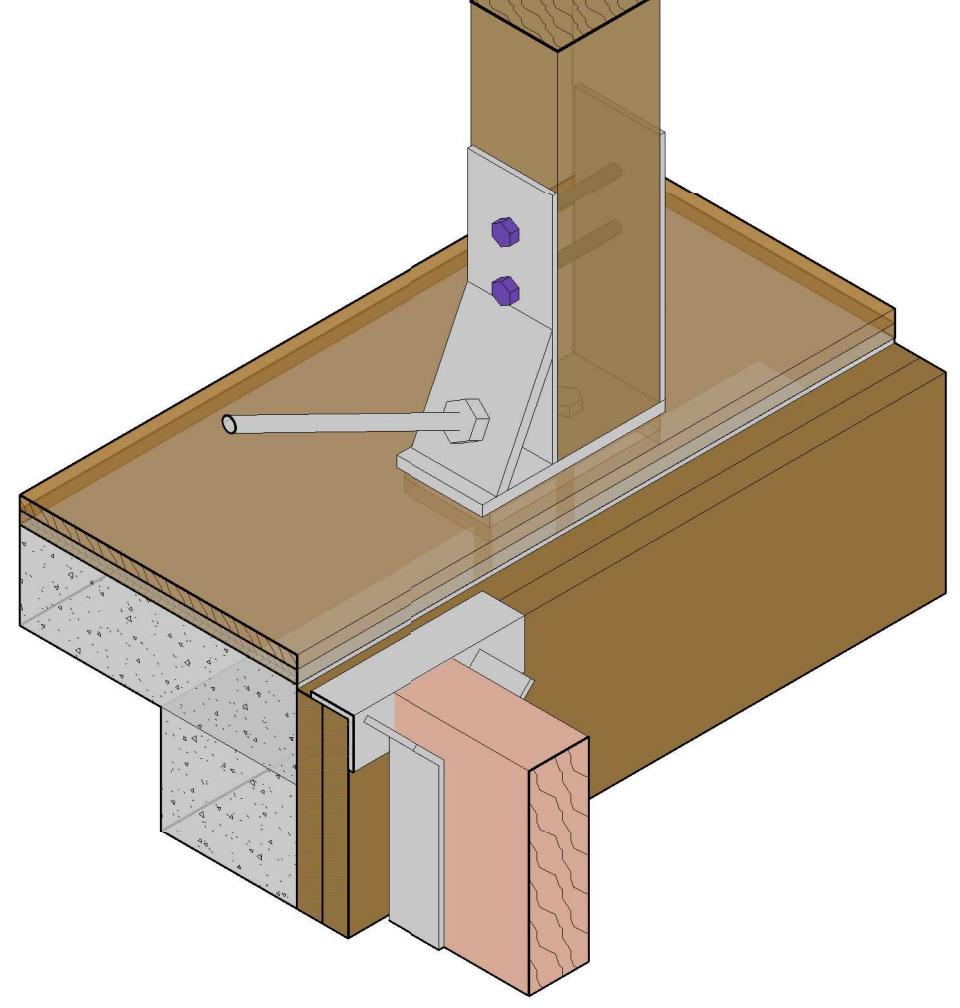
3

2

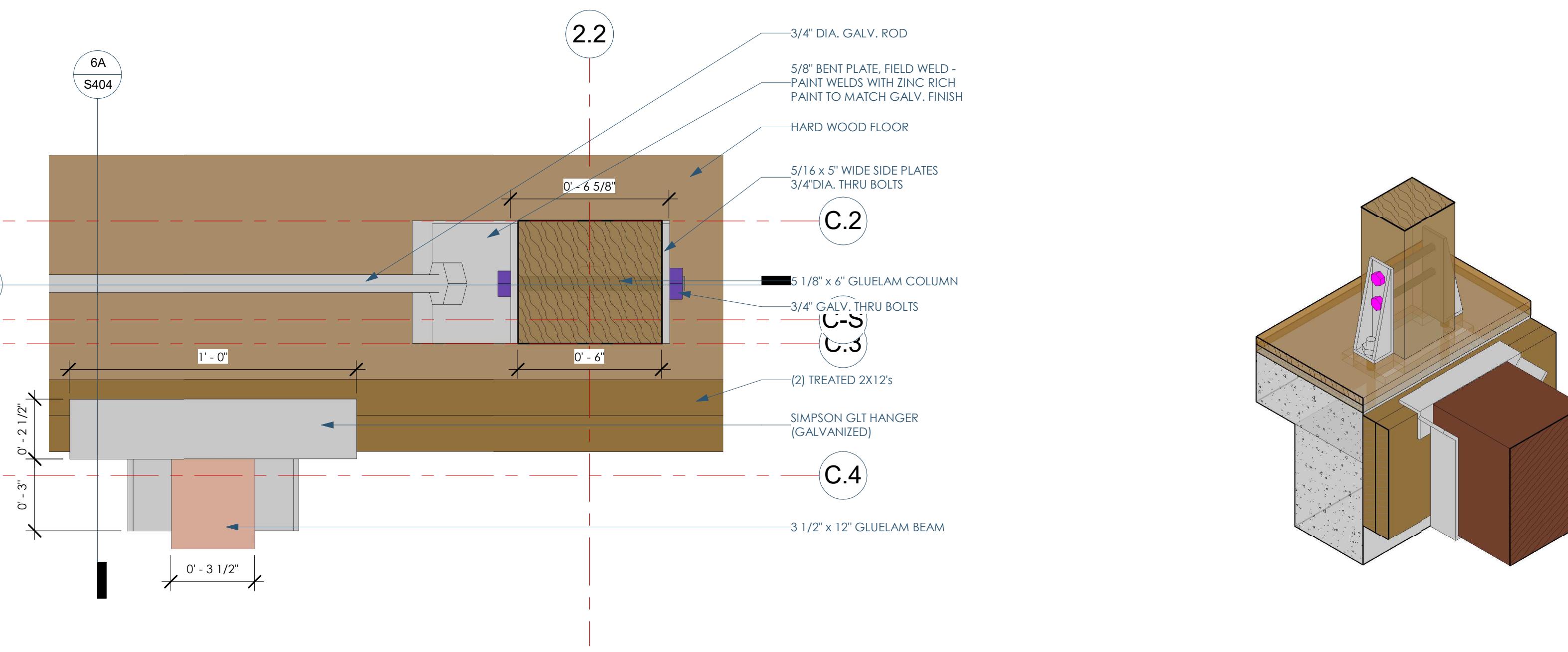
1

E

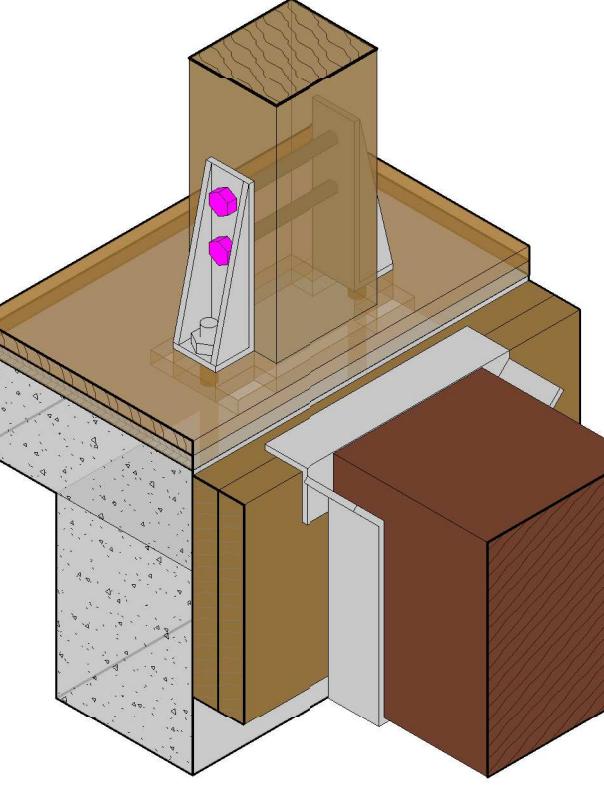
E



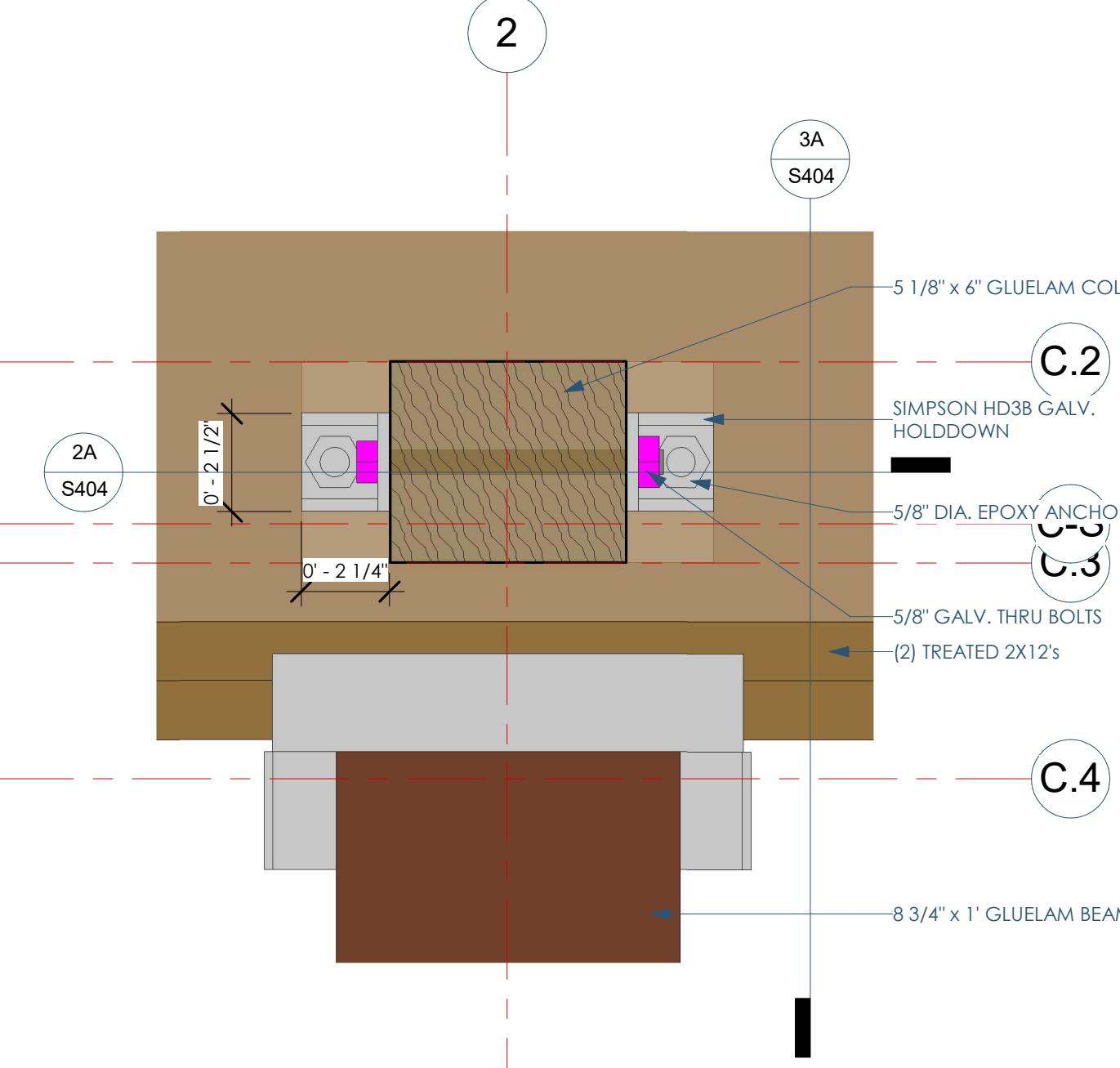
6C 1ST FL. AXON DETAIL @ E. WALL



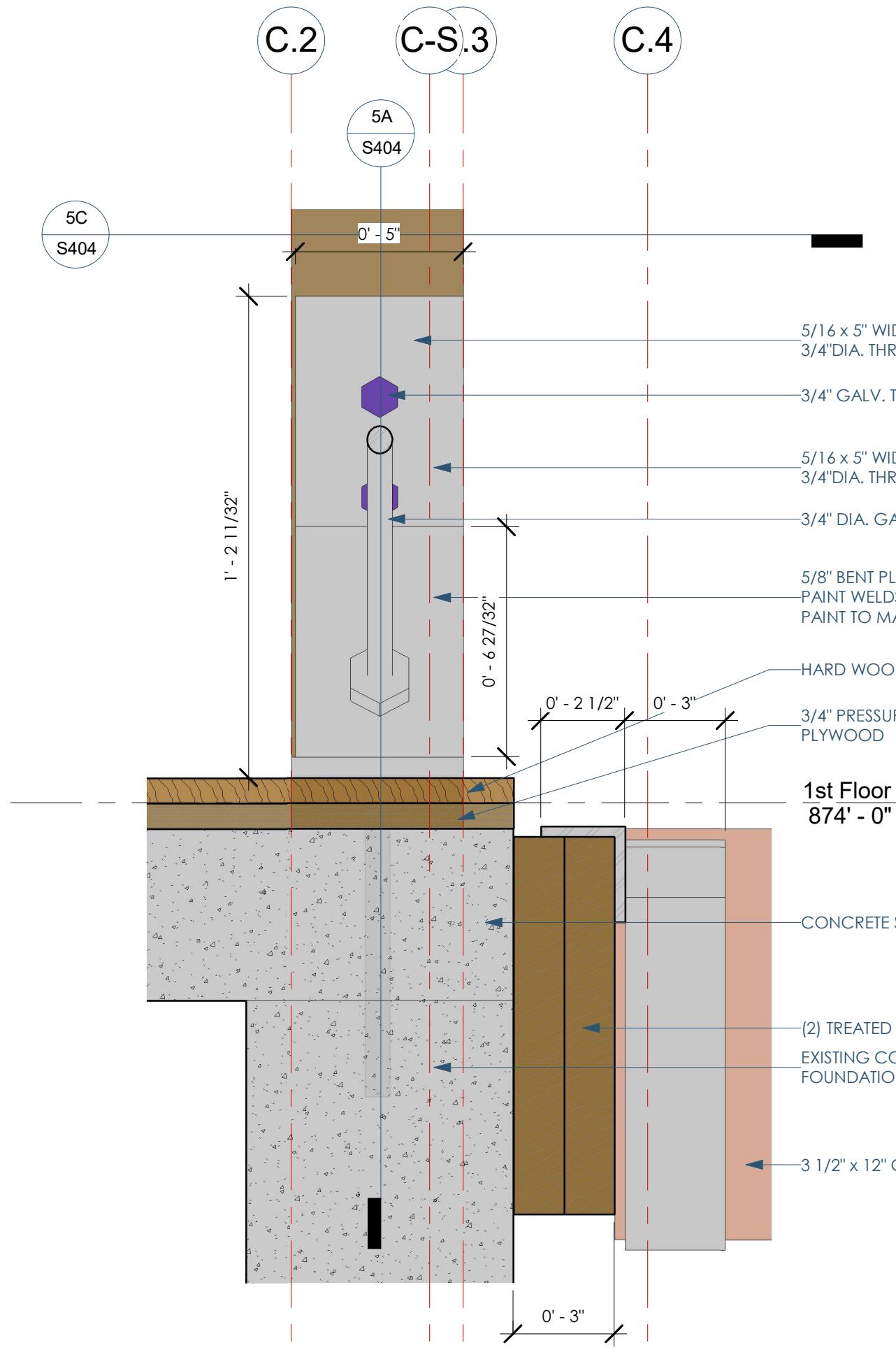
5C 1ST FL. PLAN DETAIL @ E. WALL
3" = 1'-0"



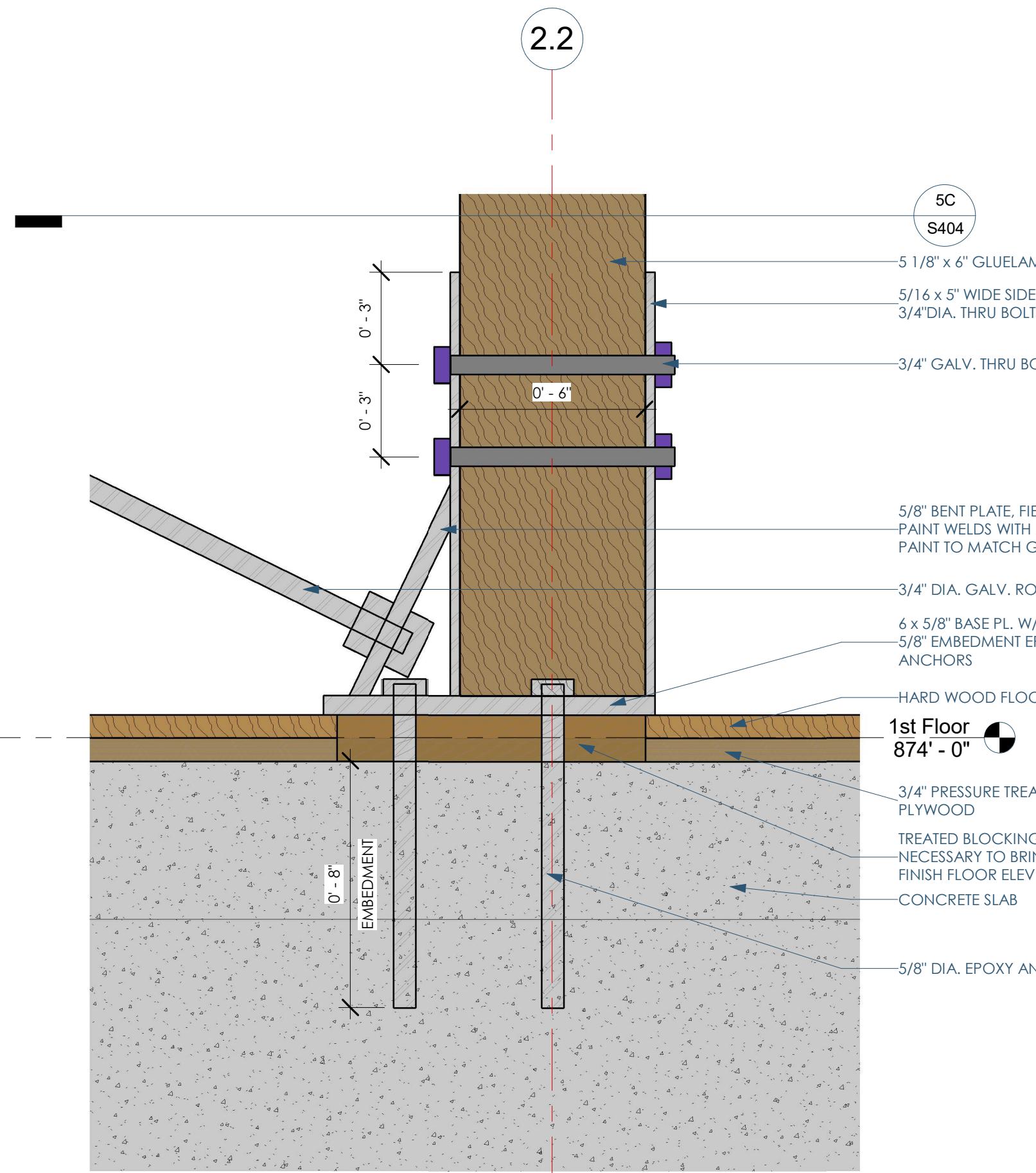
3C 1ST FL. AXON DETAIL @ E. WALL



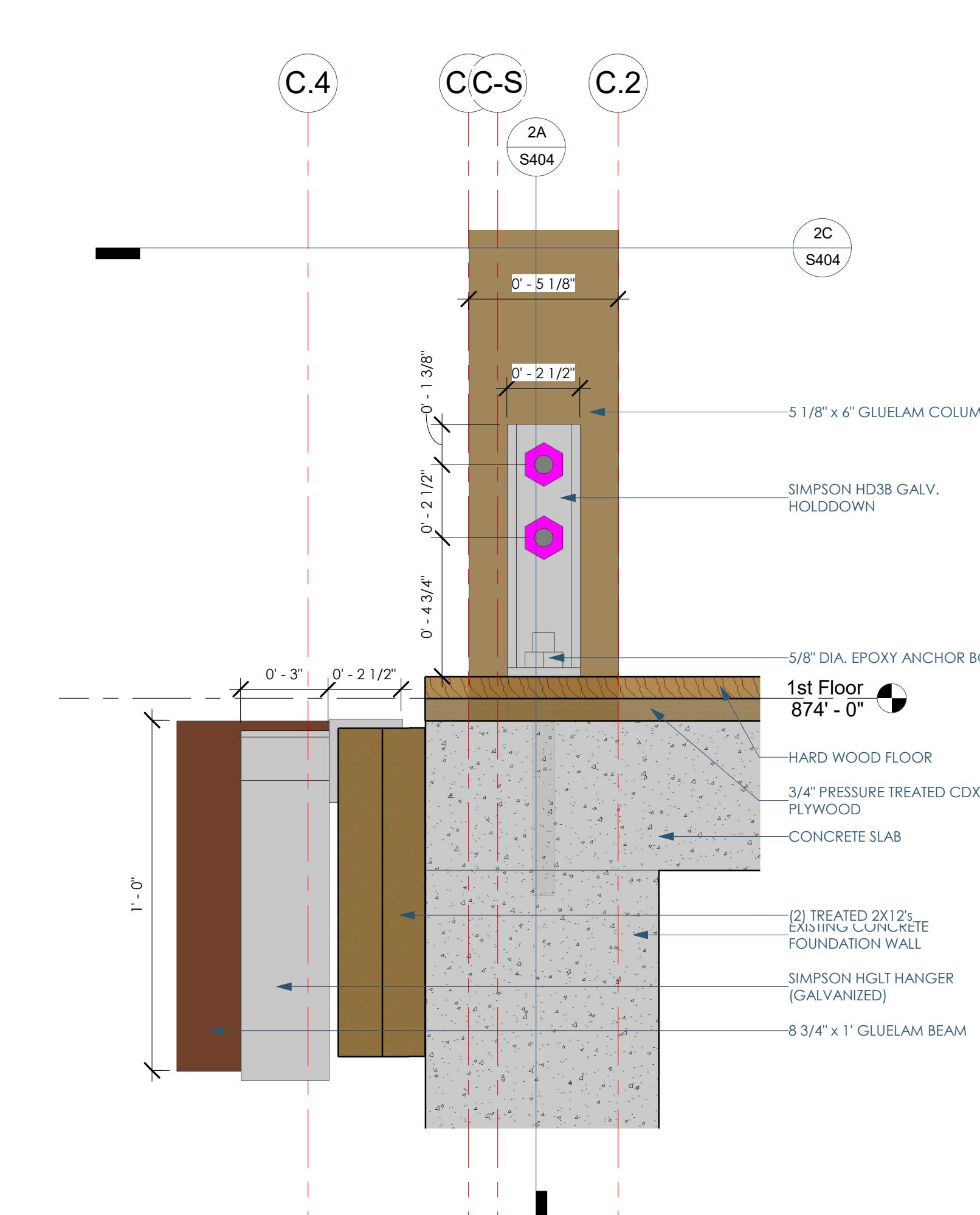
2C 1ST FL. PLAN DETAIL @ E. WALL
3" = 1'-0"



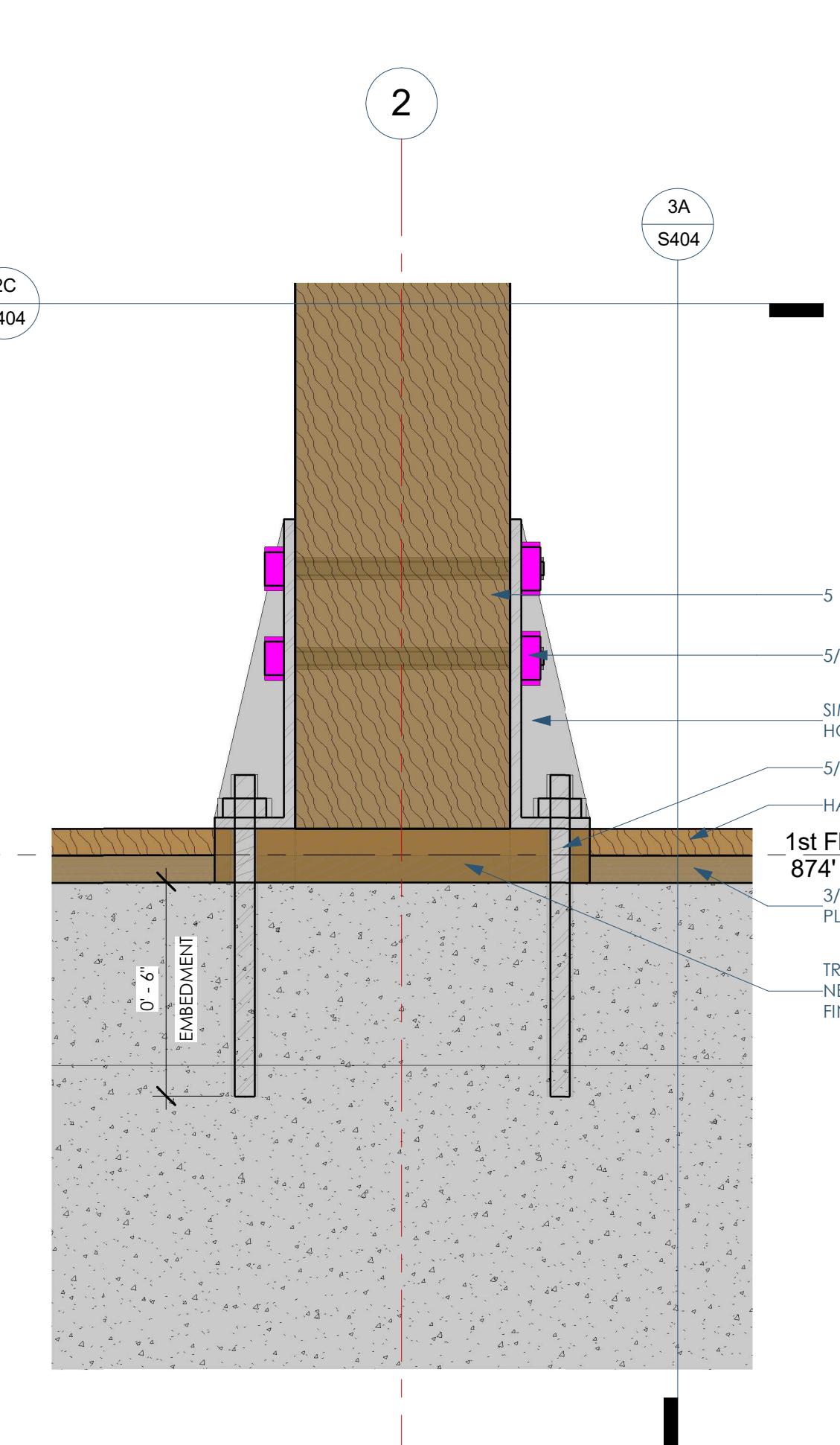
6A 1ST FL. DETAIL @ E. WALL LOOKING NORTH
3" = 1'-0"



6A 1ST FL. DETAIL @ E. WALL LOOKING WEST
3" = 1'-0"



3A 1ST FL. DETAIL @ E. WALL LOOKING SOUTH
3" = 1'-0"



2A 1ST FL. DETAIL @ E. WALL LOOKING WEST
3" = 1'-0"

BRACING DETAILS

The Downtowner | 640 West Main Street, Lake Geneva, WI 53147

FYF LLC.

Owner: FYF LLC,
43 S Water St E | Fort Atkinson, WI
ilovefunkys@hotmail.com

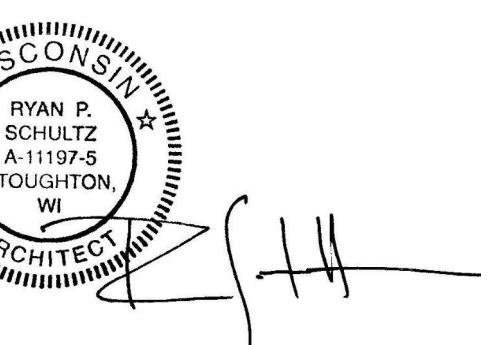
Zenteno Solutions

Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
roberto@zentenos.net | 832.449.9278



#1075-B, 10th main, HAL 2nd stage,

Bengaluru -08
HVAC Designer: Desapex
shreenidhi@desapex.com



.....

This project, like most OpenDesign's projects, is open source. (Attribution-ShareAlike 4.0 International CC BY-SA 4.0) freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.

Date

05.22.2017

Description

Issue for Bid

S404

5/21/2017 9:58:44 PM

Structural Framing Schedule								
MARK	TYPE	DESCRIPTION - FINISH	LENGTH	LEVEL	ELEVATI ON	ELEVATI ON AT BOTTOM	ELEVATI ON AT TOP	
Basement								
	3 1/8" X 12" GLULAM-STRINGER	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	16' - 0"	Basement	866'- 3 1/4"	865'- 3 1/4"	866'- 3 1/4"	
	3 1/8" X 12" GLULAM-STRINGER	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	16' - 0"	Basement	866'- 3 1/4"	865'- 3 1/4"	866'- 3 1/4"	
3 1/8" X 12" GLULAM - STRINGER: 2								
Basement: 2			32' - 0"					
1st Floor			32' - 0"					
	1 3/4 x 9 1/2 LVL	LVL	3' - 11 1/4"	1st Floor	874'- 0"	873'- 3 1/2"	874'- 1"	
	1 3/4 x 9 1/2 LVL	LVL	3' - 11 1/4"	1st Floor	874'- 0"	873'- 3 1/2"	874'- 1"	
1 3/4 x 9 1/2 LVL: 2								
	3 1/2" X 12" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	3' - 3 3/8"	1st Floor	874'- 0"	872'- 11"	874'- 0"	
	3 1/2" X 12" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	3' - 4 3/8"	1st Floor	874'- 0"	872'- 11"	874'- 0"	
3 1/2" X 12" GLULAM: 2								
	3 1/8" X 12" GLULAM-STRINGER	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	19' - 0"	1st Floor	874'- 0"	873'- 0"	874'- 0"	
	3 1/8" X 12" GLULAM-STRINGER	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	19' - 0"	1st Floor	874'- 0"	873'- 0"	874'- 0"	
3 1/8" X 12" GLULAM - STRINGER: 2								
	5 1/2" X 12" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	16' - 9 5/32"	1st Floor	874'- 0"	873'- 0"	874'- 0"	
	5 1/2" X 12" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	16' - 10 3/8"	1st Floor	874'- 0"	873'- 0"	874'- 0"	
	5 1/2" X 12" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	18' - 4	1st Floor	874'- 0"	872'- 11"	874'- 0"	
	5 1/2" X 12" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	18' - 7 1/32"	1st Floor	874'- 0"	873'- 0"	874'- 0"	
5 1/2" X 12" GLULAM: 4								
	5 1/8" x 6" GLULAM GIRT	GLULAMS GIRTS- INTERIOR - (STAIN TO MATCH EXTERIOR BEAMS)	4' - 4 3/4"	1st Floor	874'- 0"	874'- 0"	877'- 6"	
	5 1/8" x 6" GLULAM GIRT	GLULAMS GIRTS- INTERIOR - (STAIN TO MATCH EXTERIOR BEAMS)	7' - 7"	1st Floor	874'- 0"	874'- 0"	877'- 6"	
	5 1/8" x 6" GLULAM GIRT	GLULAMS GIRTS- INTERIOR - (STAIN TO MATCH EXTERIOR BEAMS)	9' - 9 21/32"	1st Floor	874'- 0"	874'- 0"	877'- 6"	
	5 1/8" x 6" GLULAM GIRT	GLULAMS GIRTS- INTERIOR - (STAIN TO MATCH EXTERIOR BEAMS)	14' - 3 25/32"	1st Floor	874'- 0"	874'- 0"	877'- 6"	
	5 1/8" x 6" GLULAM GIRT	GLULAMS GIRTS- INTERIOR - (STAIN TO MATCH EXTERIOR BEAMS)	14' - 9 9/16"	1st Floor	874'- 0"	874'- 0"	877'- 6"	
	5 1/8" x 6" GLULAM GIRT	GLULAMS GIRTS- INTERIOR - (STAIN TO MATCH EXTERIOR BEAMS)	14' - 9 9/16"	1st Floor	874'- 0"	874'- 0"	877'- 6"	
5 1/8" x 6" GLULAM GIRT: 6								
	6 3/4" x 12" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	21' - 4 15/32"	1st Floor	874'- 0"	873'- 0"	874'- 0"	
6 3/4" X 12" GLULAM: 1								
	L2-1/2X2-1/2X1/4	GALVANIZED STEEL ANGLE (2 1/2" X 2 1/2" X 1/4")	12' - 8 9/16"	1st Floor	874'- 0"	873'- 8 1/2"	874'- 0"	
L2-1/2X2-1/2X1/4: 1								
1st Floor: 18			22' - 10 29/32"					
2nd Floor								
	1 3/4 x 9 1/2 LVL	LVL	6' - 10 3/8"	2nd Floor	883'- 2 1/2"	882'- 2 1/2"	883'- 2 1/2"	
	1 3/4 x 9 1/2 LVL	LVL	12' - 8 3/16"	2nd Floor	883'- 2 1/2"	882'- 2 1/2"	883'- 2 1/2"	
1 3/4 x 9 1/2 LVL: 2								
	3 1/2" X 15" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	3' - 3 9/16"	2nd Floor	883'- 2 1/2"	881'- 9"	883'- 2 1/2"	
	3 1/2" X 15" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	14' - 6 5/8"	2nd Floor	883'- 2 1/2"	881'- 9"	883'- 2 1/2"	
	3 1/2" X 15" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	16' - 9 23/32"	2nd Floor	883'- 2 1/2"	881'- 9"	883'- 2 1/2"	
	3 1/2" X 15" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	17' - 11 27/32"	2nd Floor	883'- 2 1/2"	881'- 9"	883'- 2 1/2"	
	3 1/2" X 15" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	18' - 7"	2nd Floor	883'- 2 1/2"	881'- 9"	883'- 2 1/2"	
3 1/2" X 15" GLULAM: 5								
	3 1/2" X 18" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	14' - 3 1/32"	2nd Floor	883'- 2 1/2"	Varies	Varies	
	3 1/2" X 18" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	16' - 9 13/16"	2nd Floor	883'- 2 1/2"	Varies	Varies	
	3 1/2" X 18" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	18' - 6 5/8"	2nd Floor	883'- 2 1/2"	Varies	Varies	
	3 1/2" X 18" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	26' - 2 1/16"	2nd Floor	883'- 2 1/2"	Varies	Varies	
3 1/2" X 18" GLULAM: 4								
	5 1/2" X 15" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	14' - 1 31/32"	2nd Floor	883'- 2 1/2"	881'- 9"	883'- 2 1/2"	
	5 1/2" X 15" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	16' - 5 3/8"	2nd Floor	883'- 2 1/2"	881'- 9"	883'- 2 1/2"	
	5 1/2" X 15" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	17' - 11 27/32"	2nd Floor	883'- 2 1/2"	881'- 9"	883'- 2 1/2"	
	5 1/2" X 15" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	18' - 7 23/32"	2nd Floor	883'- 2 1/2"	881'- 9"	883'- 2 1/2"	
5 1/2" X 15" GLULAM: 3								
	5 1/2" X 18" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	22' - 5 23/32"	2nd Floor	883'- 2 1/2"	Varies	Varies	
	5 1/2" X 18" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	24' - 5"	2nd Floor	883'- 2 1/2"	Varies	Varies	
5 1/2" X 18" GLULAM: 2								
	6 3/4" X 15" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	21' - 4 31/32"	2nd Floor	883'- 2 1/2"	881'- 9"	883'- 2 1/2"	
	6 3/4" X 15" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	22' - 7 1/4"	2nd Floor	883'- 2 1/2"	881'- 9"	883'- 2 1/2"	
	6 3/4" X 15" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	24' - 6 1/2"	2nd Floor	883'- 2 1/2"	881'- 9"	883'- 2 1/2"	
	6 3/4" X 15" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA IN SOLVENT) (STAIN: PENOFIN VERDE EXT. STAIN - COLOR: CEDAR)	29' - 5 3/32"	2nd Floor	883'- 2 1/2"	881'- 9"	883'- 2 1/2"	
6 3/4" X 15" GLULAM: 4								
	6 3/4" X 18" GLULAM	GLULAMS BEAMS - EXTERIOR - (PRESSURE TREATED W/ PENTA						

FYF LLC.

Owner: FYF LLC,
43 S Water St E | Fort Atkinson, WI
ilovefunkys@hotmail.com

Zenteno Solutions

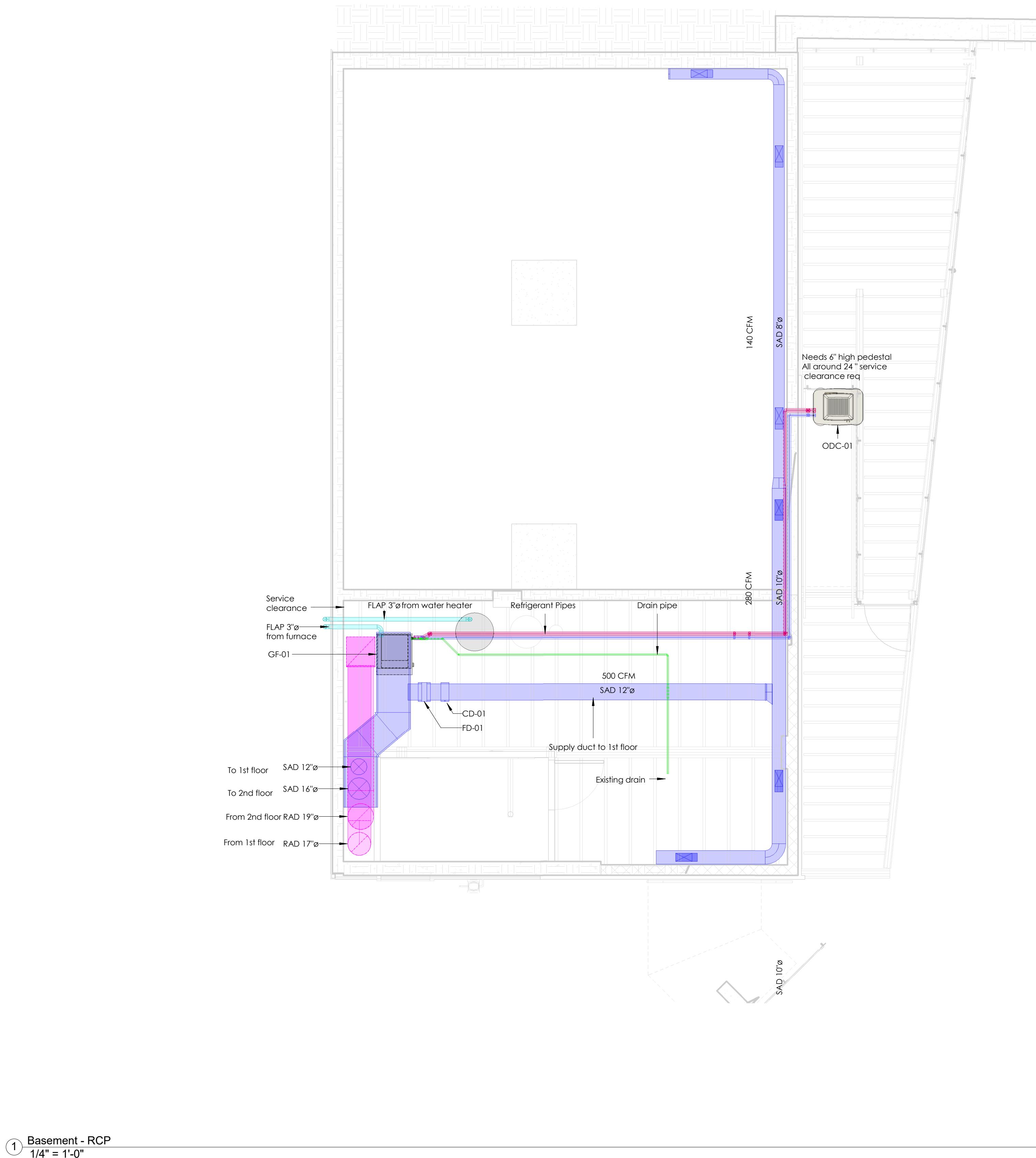
Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
roberto@zenteno.net | 832.449.9278



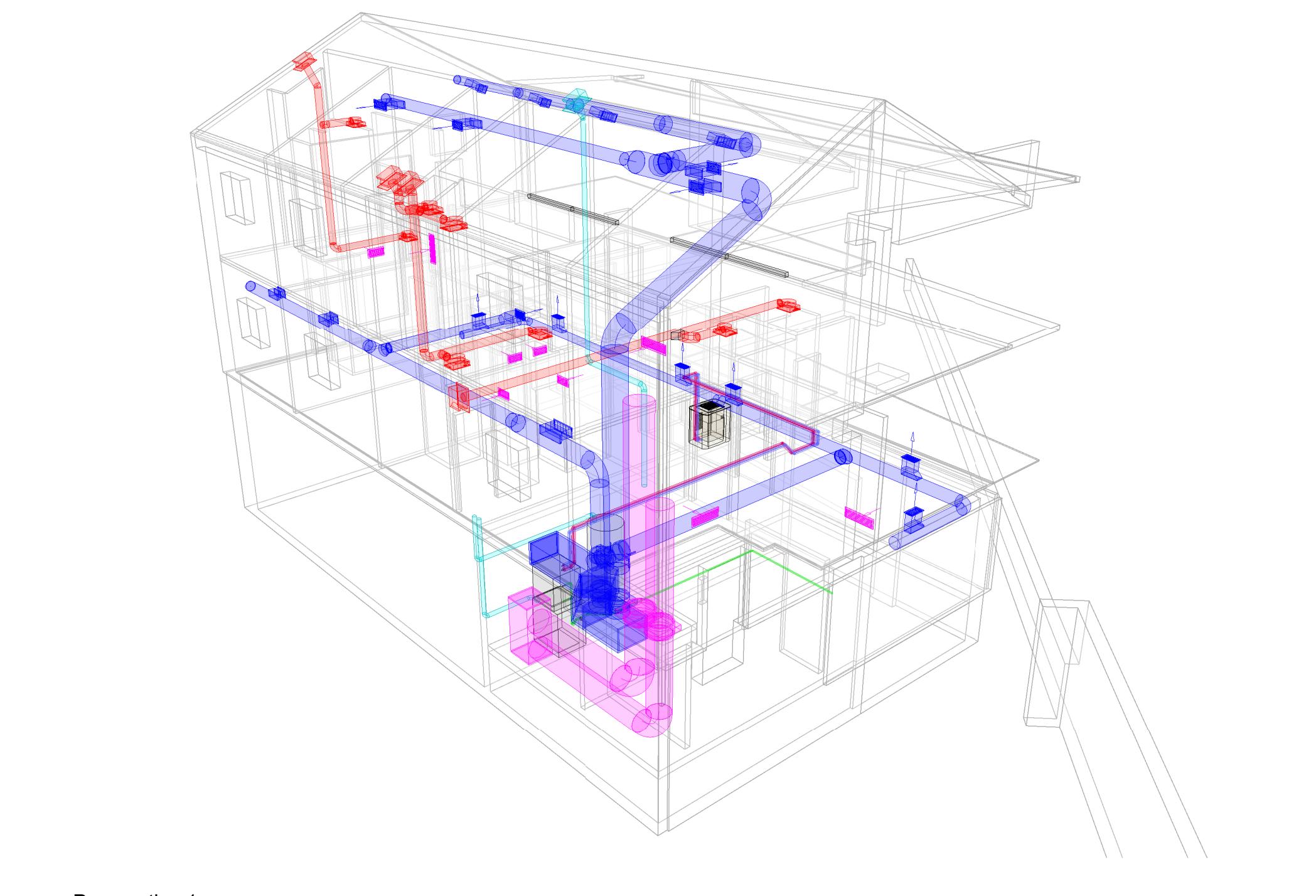
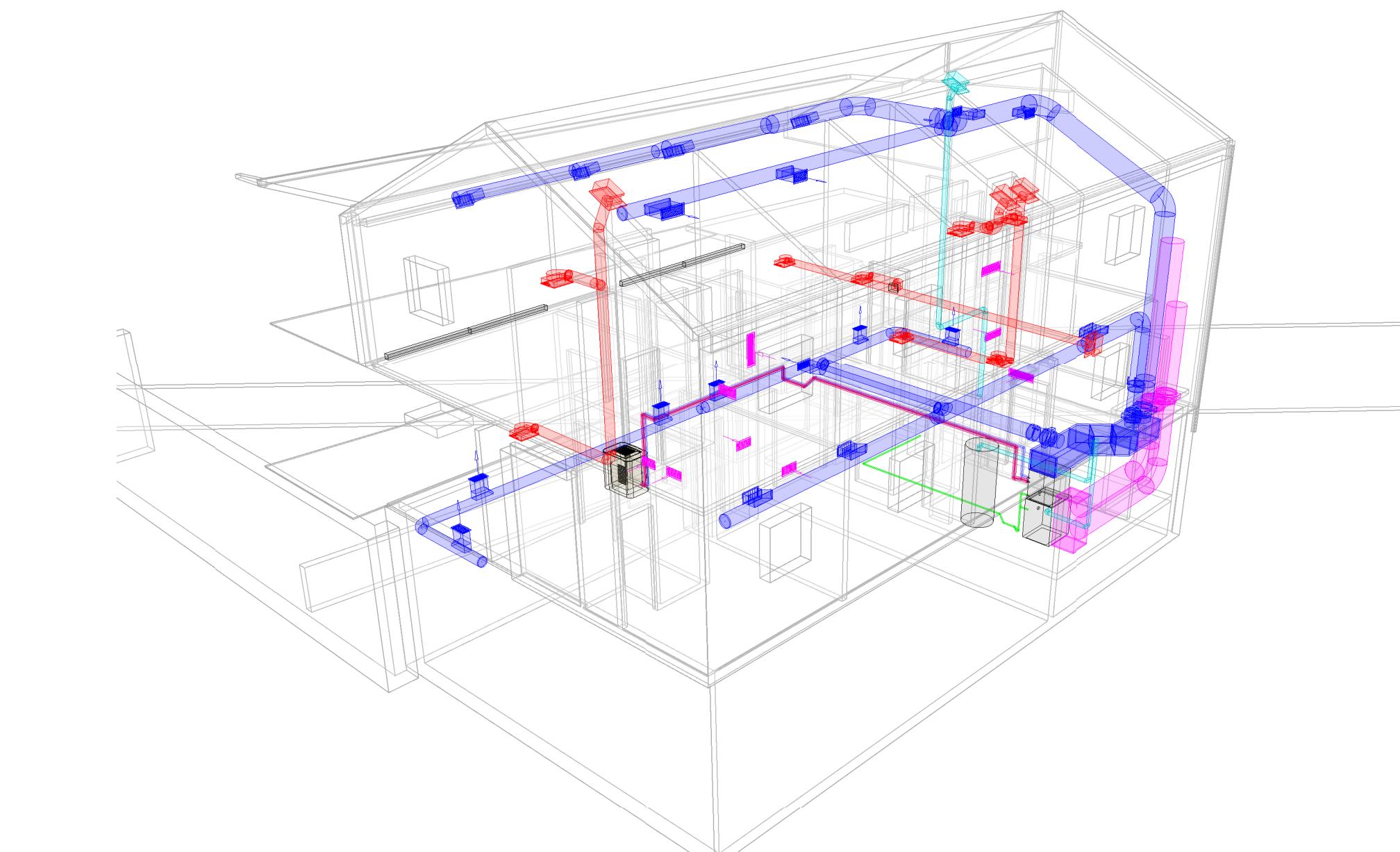
Desapex

#1075-B, 10th main, HAL 2nd stage,
Bengaluru -08
HVAC Designer: Desapex
shreenidhi@desapex.com

This project, like most OpenDesign's projects, is open source. (Attribution-ShareAlike 4.0 International--CC BY-SA 4.0) freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.



② Roof Plan
1/4" = 1'-0"



④ Perspective 2

HVAC Basement & Roof plan
Lake Geneva | Enter address here



Architect: OpeningDesign
312 W. Lakeside St. | Madison, WI 53715
hello@openingdesign.com | 773-425-6456

Date	Description
05.03.2017	Issue for Permit
05.22.2017	Issue for Bid

M.001

5/22/2017 12:44:34 PM

FYF LLC.

Owner: FYF LLC,
43 S Water St E | Fort Atkinson, WI
ilovefunkys@hotmail.com

Zenteno Solutions

Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
roberto@zenteno.net | 832.449.9278

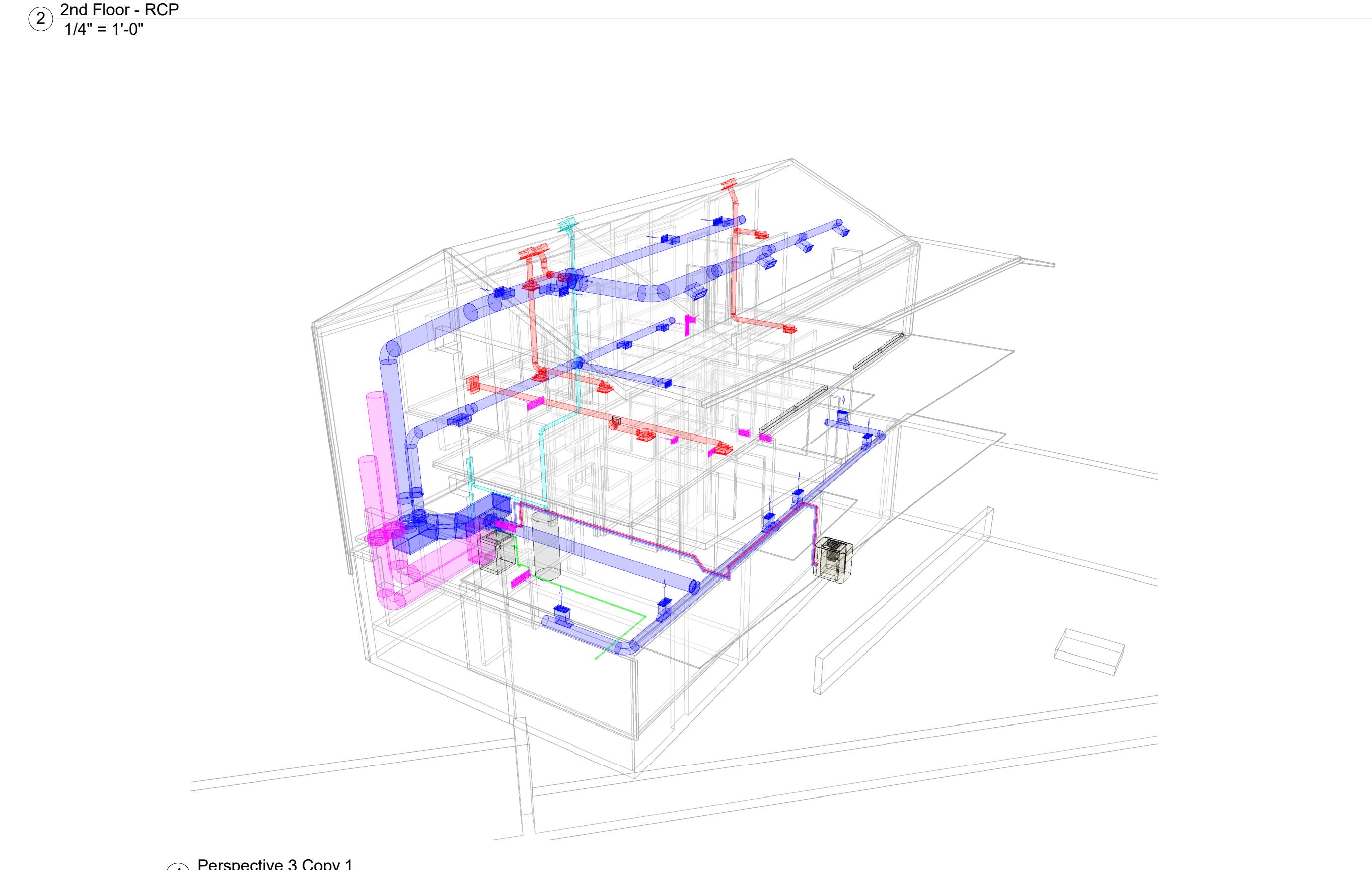
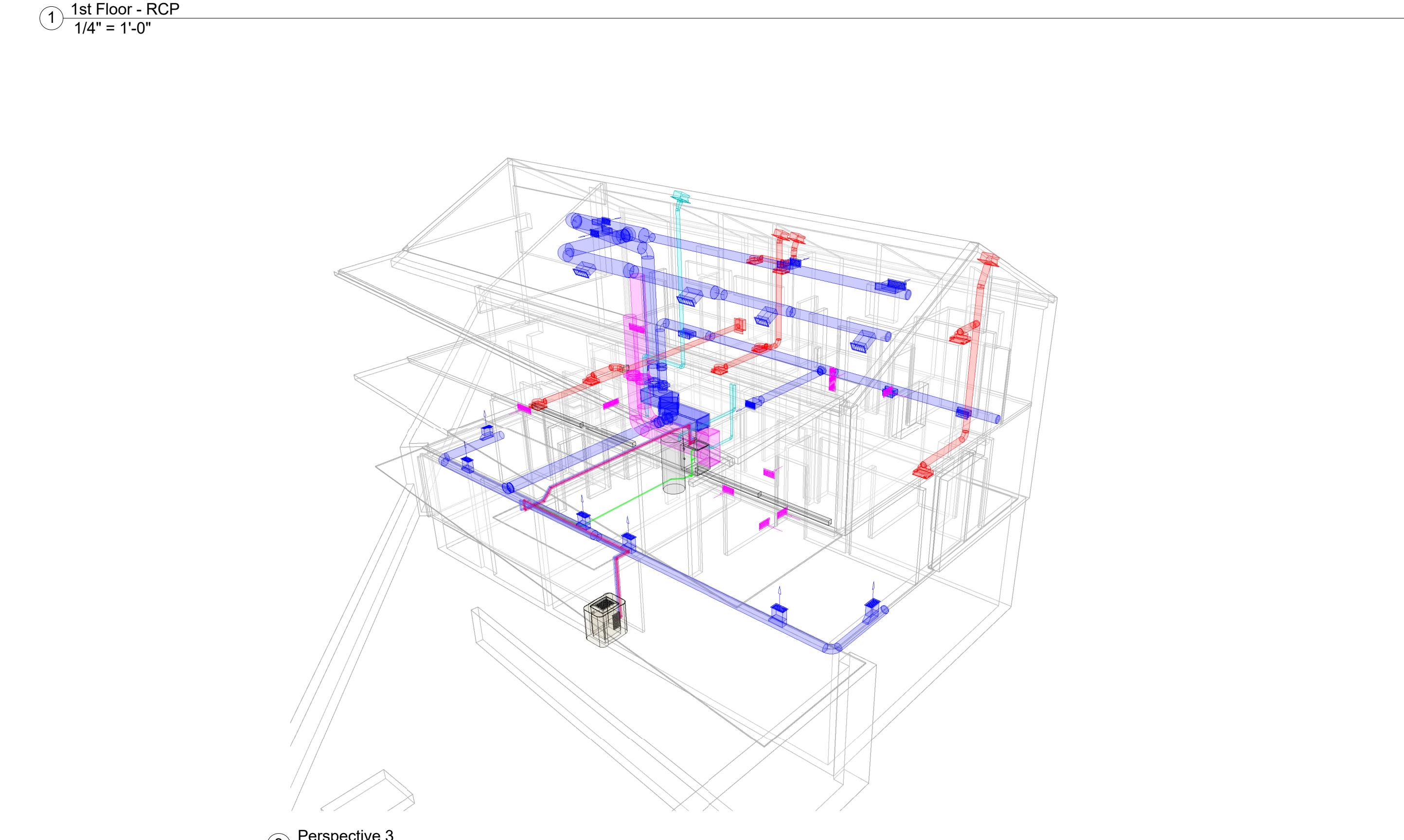
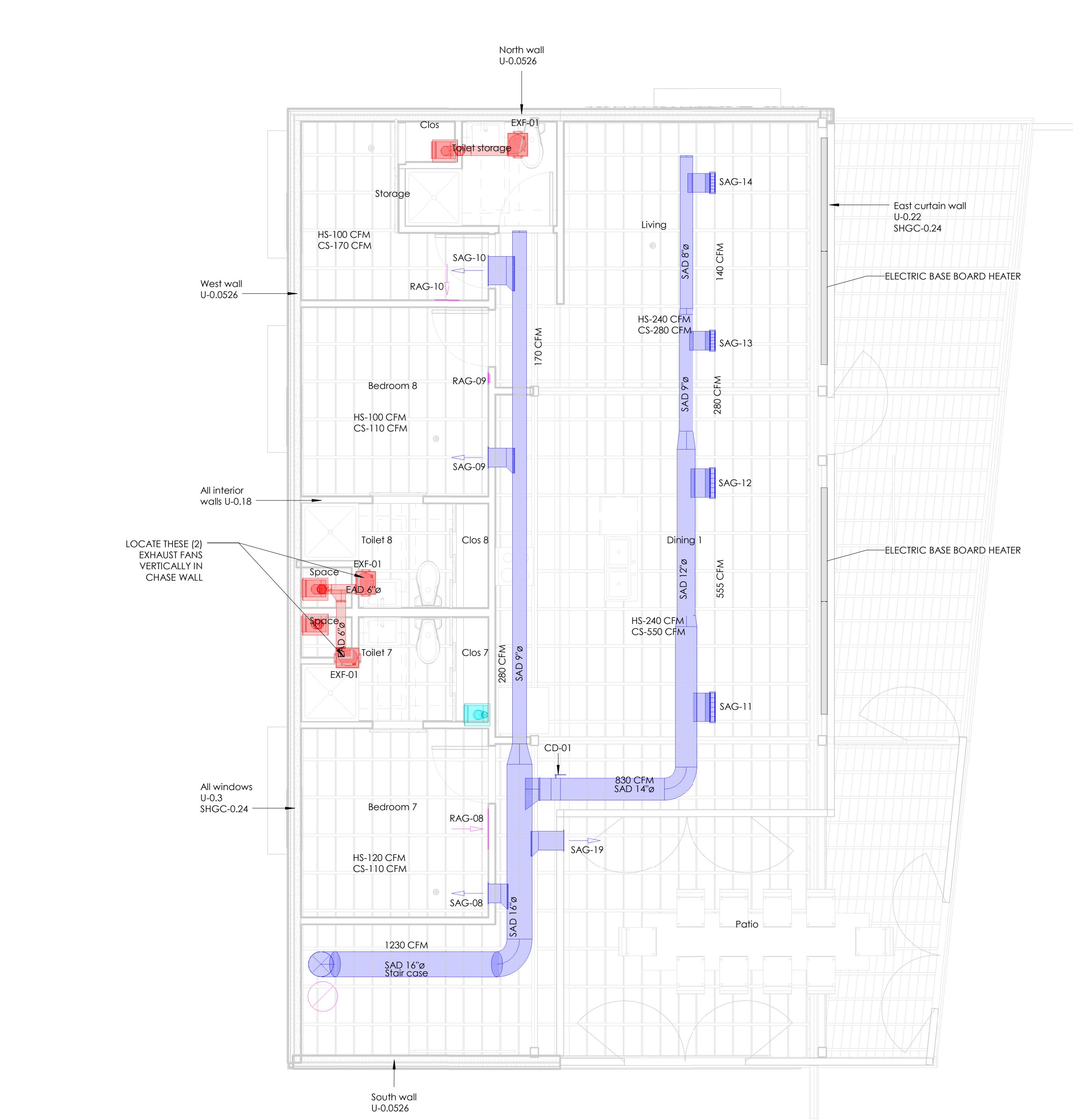
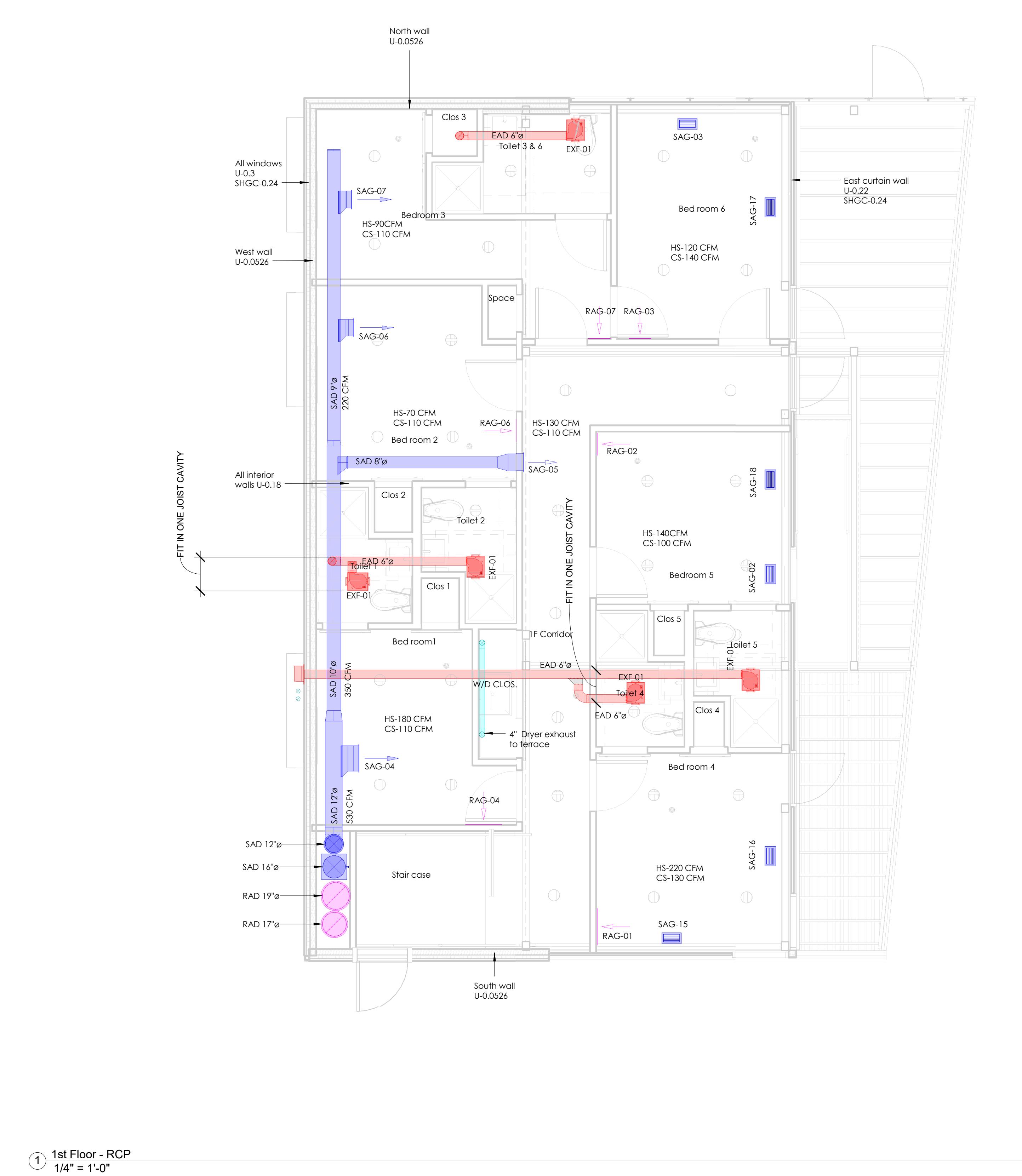


Desapex

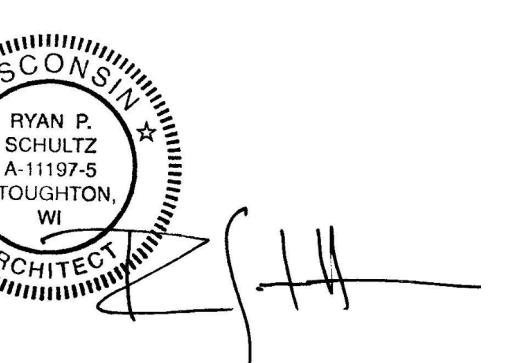
#1075-B, 10th main, HAL 2nd stage,
Bengaluru -08
HVAC Designer: Desapex
shreenidhi@desapex.com



This project, like most OpenDesign's projects, is open source. (Attribution-ShareAlike 4.0 International--CC BY-SA 4.0) freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.



HVAC 1st & 2nd Floor plan
Lake Geneva | Enter address here



openingsdesign
Architect: OpeningDesign
312 W. Lakeside St. | Madison, WI 53715
hello@openingdesign.com | 773-425-6456

Date	Description
05.03.2017	Issue for Permit
05.22.2017	Issue for Bid

M.002

5/22/2017 12:44:42 PM

This project, like most, OpenDesign's projects, is open source. (Attribution-ShareAlike 4.0 International--CC BY-SA 4.0) freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.

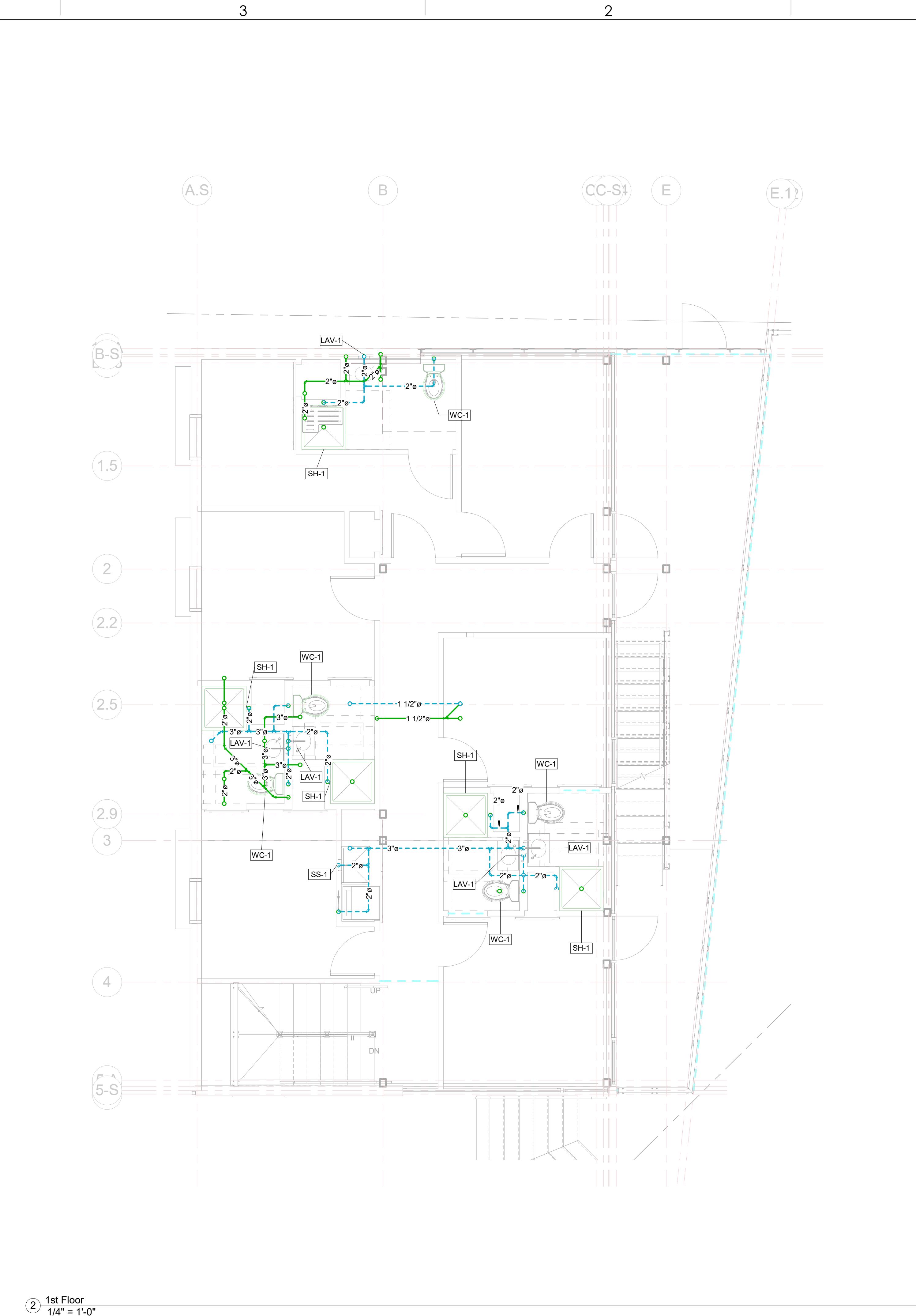
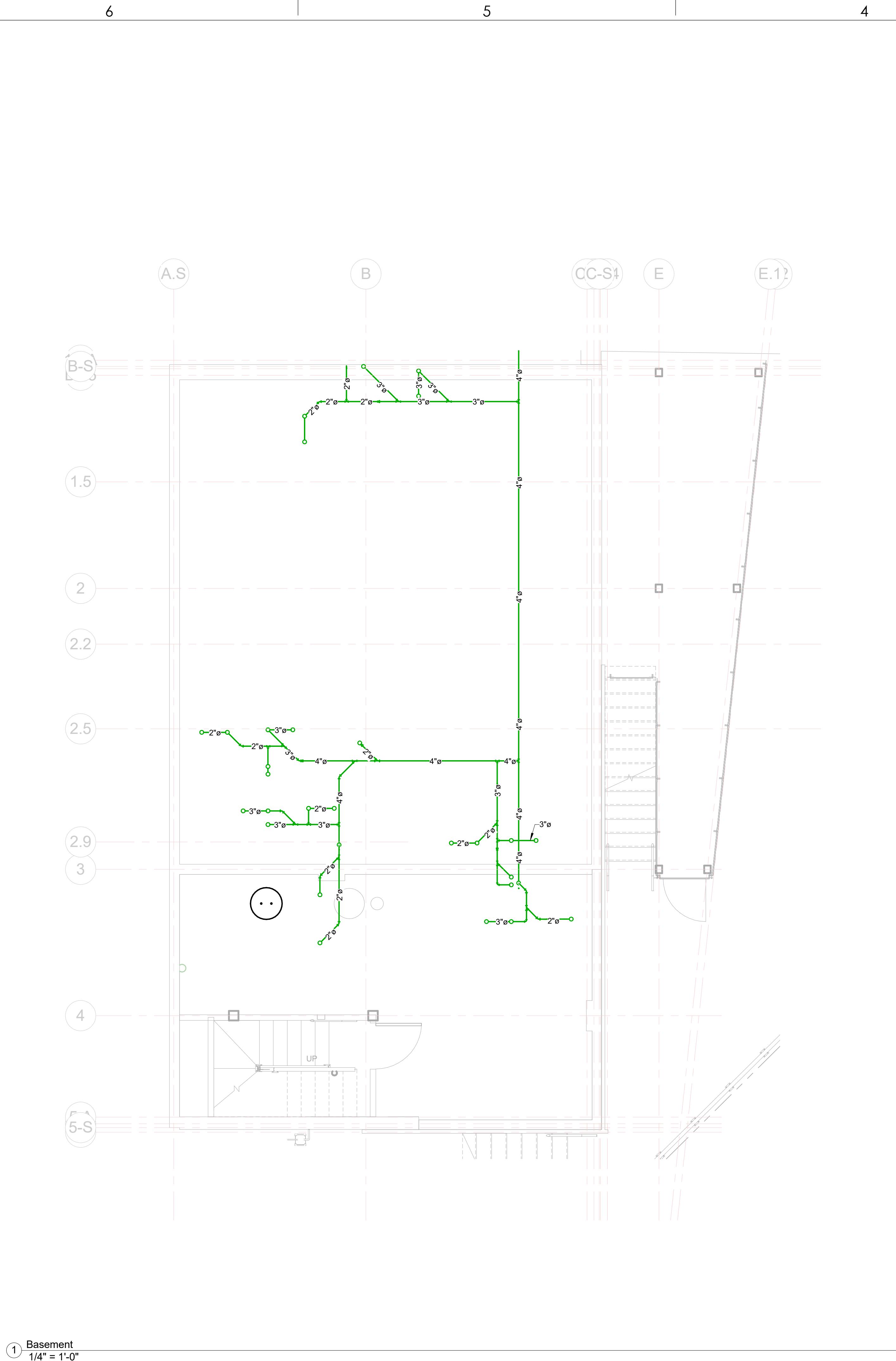
PLUMBING ABBREVIATIONS		PLUMBING PIPING LEGEND		PROJECT NOTES		DRAWING LIST	
AFF	ABOVE FINISHED FLOOR	LAV	LAVATORY	1. SANITARY WASTE AND VENT SYSTEM DESIGNED IN ACCORDANCE GENERAL ENGINEERING PRACTICES AND LOCAL BUILDING CODES.		SHEET	DESCRIPTION
AFC	ABOVE FINISHED CEILING	NIC	NOT IN SECTION (SECTION 1540)	2. ALL WORK, METHODS AND INSTALLATIONS INVOLVED IN THE PLUMBING DESIGN SHALL BE IN ACCORDANCE WITH THE CITY BUILDING CODE AND INSPECTION REGULATIONS AND ALL OTHER OFFICIALS HAVING JURISDICTION. WORK SHALL BE COMPLETE IN ALL RESPECTS AND IN ACCORDANCE WITH THE BEST ESTABLISHED AND ACCEPTED CONSTRUCTION PRACTICES.		P0.00	PLUMBING SYMBOLS & ABBREVIATIONS
CONN	CONNECTION	CONTRACT	CONTRACT	3. THIS CONTRACTOR OR SHALL COORDINATE ROUTING OF PIPING IN CEILING SPACES WITH MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTWORK AND CONDUIT. SHOULD A CONFLICT OCCUR THIS CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO INSTALLING AN ALTERNATE PIPING PLAN.		P1.01	BASEMENT & FIRST FLOOR SANITARY PLAN
CONT	CONTINUATION	NO	NORMALLY OPEN	4. COORDINATE EXACT LOCATION OF PIPING, DEVICES AND EQUIPMENT WITH BUILDING ELEMENTS AND THE WORK OF OTHER TRADES.		P1.02	SECOND FLOOR AND ROOF PLUMMING PLANS
CLG	CEILING	NC	NORMALLY CLOSED	5. IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE AND WORKABLE INSTALLATION IS PROVIDED. TO THIS END, THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, SUPERVISION, TRANSPORTATION, WAREHOUSING AND OTHER SERVICES REQUIRED TO COMPLETE THE WORK IN AN EFFICIENT AND TIMELY MANNER.		P1.03	BASEMENT & FIRST FLOOR WATER DISTRIBUTION
CFH	CUBIC FEET PER HOUR	NTS	NOT TO SCALE	6. CONTRACTOR SHALL PROCLE ALL REQUIRED PERMITS FROM THE LEGALLY CONSTITUTED AUTHORITIES. ARRANGE ALL INSPECTIONS AND PAY FOR ALL REQUIRED TESTING AND UTILITY CONNECTIONS.		P1.04	DETAILS
CONTR	CONTRACTOR	OFCI	OWNER FURNISHED AND CONTRACTOR INSTALLED	7. CONTRACTOR SHALL PROTECT EXISTING BUILDINGS, STRUCTURES AND UTILITIES. FROM DAMAGE, ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT NO EXPENSE TO THE OWNER.		P1.05	RISER DIAGRAMS
DNG	DRAWING			8. THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO EXTENT THAT ALL OFFSETS, BENDS, SPECIAL FITTING LOCATIONS ARE NOT EXACTLY LOCATED.			
DP	DRINKING FOUNTAIN	OFI	OWNER FURNISHED AND INSTALLED	9. ALL INDICATED DIMENSIONS ARE APPROXIMATE AND ARE GIVEN FOR ESTIMATE PURPOSES ONLY. BEFORE PROCEEDING WITH THE WORK, CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS, SIZES, REQUIRED CLEARANCES AND SHALL ASSUME FULL RESPONSIBILITY FOR THE FITTING OF ALL EQUIPMENT AND MATERIALS HERIN REQUIRED TO OTHER PARTS OF THE WORK AND TO THE WORK OF THE OTHER TRADES.			
EC	ELECTRICAL CONTRACTOR	PSI	POUNDS PER SQUARE INCH				
(DIVISION 19)		PC	PLUMBING CONTRACTOR (SECTION 1440)				
ENC	ELECTRIC WATER COOLER	S.F.	SQUARE FEET				
EL	ELEVATION	SHWR	SHOWER				
FPC	FIRE PROTECTION CONTRACTOR (SECTION 1530)	SK	SINK				
FLR	FLOOR	TOP	TOP OF PIPE ELEVATION				
FFE	FINISHED FLOOR ELEVATION	TP	TRAP PRIMER				
GPM	GALLONS PER MINUTE	TYP	TYPICAL				
GT	GREASE TRAP	UR	URINAL				
GC	GENERAL CONTRACTOR	VTR	VENT THROUGH ROOF				
HVAC	HEATING VENTILATION AND AIR CONDITIONING SECTION (SECTION 1560)	W.C.	WATER COLUMN				
INV	INVERT OF PIPE ELEVATION	WTS	WATER TIGHT SLEEVE				
JC	JANITORS SINK	W&V	WASTE AND VENT				
KEC	KITCHEN EQUIPMENT CONTRACTOR	WC	WATER CLOSE				
		WS	WASTE STACK				

PIPE MATERIAL LIST		GENERAL VALVES AND CROSS CONNECTION DEVICES	
ABOVE GRADE, INSIDE RESIDENCE		ANGLE VALVE ASME TEMPERATURE & PRESSURE RELIEF VALVE BALANCING VALVE BALL VALVE BUTTERFLY VALVE FIRE DEPARTMENT VALVE AT RISER HORIZONTAL SWING CHECK HOSE BIB LUBRICATED PACKED PLUG STOP COCK MOTOR CONTROLLED VALVE OS-Y VALVE PNEUMATICALLY CONTROLLED VALVE PRESSURE REDUCING VALVE REDUCED PRESSURE BACKFLOW PREVENTER SHUT-OFF VALVE SOLENOID VALVE VALVE IN RISER	
SANITARY WASTE, AND VENT PIPING SHALL		10. CONTRACTOR SHALL HAVE A COMPETENT SUPERINTENDENT PRESENT AT THE JOB SITE AT ALL TIMES, WITH AUTHORITY TO ACT FOR THE CONTRACTOR.	
SCHEDULE 40 DWV POLYVINYL CHLORIDE PIPE AND FITTINGS CONFORMING TO ASTM-2665 WITH SOLVENT WELDED JOINTS. PVC NOT ALLOWED IN RETURN AIR PLENUM		11. ALL CONTRACT PERSONNEL WILL BE RESTRICTED TO THE PARTICULAR JOB SITE OF THIS CONTRACT.	
DOMESTIC WATER PIPING SHALL BE		12. UNLESS NOTED OTHERWISE, ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND OF THE HIGHEST QUALITY.	
DRAWN (HARD) COPPER WATER TUBE, TYPE "K", ASTM B88, WITH WROUGHT COPPER FITTINGS. ANSI B1.22 AND B1.95 SOLDER JOINTS. COPPER FOR ANYTHING OVER 150 PSI. CPVC SCHEDULE 50 FOR ANYTHING UNDER 150 PSI. PEX-B PIPING FOR DISTRIBUTION IN EACH UNIT.		13. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.	
NATURAL GAS PIPING SHALL BE		14. ALL MISCELLANEOUS IRON AND STEEL WORK REQUIRED TO PROPERLY INSTALL EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. WORK INCLUDES ALL HANGERS, SUPPORTS, RACKS, BRACKETS AND ANY WELDING REQUIRED.	
SCHEDULE 40 BLACK STEEL, SEAMLESS, OR ELECTRIC RESISTANCE WELDED. ASTM A-53 WITH WELDED JOINTS AND STEEL FITTINGS SAME THICKNESS AS PIPE. PIPING 2 INCHES AND SMALLER MAY BE SCHEDULE 40 BLACK STEEL PIPE WITH MALLEABLE IRON 150 PSI CLASS FITTINGS ANSI B1.3. BANDED AIR TESTED AND SCREWED JOINTS. ALL GAS PIPING AND FITTINGS OUTDOORS SHALL BE PAINTED WITH TWO COATS OF BRUSHED ON RUST PREVENTATIVE SILVER PAINT. ONE COAT OF RUST PREVENTATIVE PRIMER SHALL BE APPLIED TO THE PIPE IMMEDIATELY AFTER INSTALLATION. PAINTING BY OTHERS.		15. ACCESS AND WORKING SPACE SHALL BE PROVIDED AND MAINTAINED AROUND ALL MECHANICAL, ELECTRICAL AND CONTROL EQUIPMENT TO PERMIT READY AND SAFE OPERATION, EXAMINATION AND MAINTENANCE.	
BELOW GRADE, INSIDE BUILDING		16. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A DAILY RECORD OF ALL DEVIATIONS FROM THE JOB DRAWINGS. ALL DIMENSIONS AND OTHER INFORMATION NECESSARY COMPLETED EXPLAIN, AND LOCATE ALL ELEMENTS OF THESE deviation SHALL BE RECORDED UPON COMPLETION OF WORK. THE CONTRACTOR SHALL SUBMIT TO THE OWNERS REPRESENTATIVE, ONE COMPLETE SET OF REPRODUCIBLE DRAWINGS CORRECTED TO REFLECT "AS-BUILT" CONDITIONS OF THE WORK.	
SANITARY WASTE, AND VENT PIPING SHALL BE		17. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH AND MAINTAIN THE WORK AREA IN A NEAT, ORDERLY MANNER, AND LEAVE THE PREMISES IN A ROOM-CLEAN CONDITION AT THE END OF EACH DAY. THE CONTRACTOR SHALL FURNISH TRASH BINS AND SHALL BE RESPONSIBLE FOR THE PROPER TRANSPORTATION AND DISPOSAL OF ALL WASTE MATERIAL.	
SCHEDULE 40 DWV POLYVINYL CHLORIDE PIPE AND FITTINGS CONFORMING TO ASTM-2665 WITH SOLVENT WELDED JOINTS.		18. ANY INTERRUPTIONS AND/OR SHUTDOWN OF EXISTING SERVICE SHALL BE MADE ONLY WITH THE APPROVAL OF AND AT TIMES DESIGNATED BY OWNER.	
DOMESTIC WATER PIPING SHALL BE		19. UPON COMPLETION OF WORK THE CONTRACTOR SHALL DEMONSTRATE, TO THE OWNER'S SATISFACTION THE OPERATION OF THE INSTALLED EQUIPMENT AND SYSTEMS TO THE INTENT OF THE DESIGN.	
DRAWN (HARD) COPPER WATER TUBE, TYPE "K", ASTM B88, WITH WROUGHT COPPER FITTINGS. ANSI B1.22 AND B1.95 SOLDER JOINTS.		20. ALL WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER. DURING THIS PERIOD, ANY DEFECT FOUND IN MATERIAL OR WORKMANSHIP SHALL BE REPAIRED OR REPLACED TO OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.	
NATURAL GAS PIPING SHALL BE		21. INSULATE ALL METAL DOMESTIC COLD WATER PIPES, STORM DRAIN LEADERS AND CONDENSATE DRAIN PIPES WITH CLOSED-CELL ELASTOMERIC MATERIAL.	
NATURAL GAS PIPING IS NOT TO BE INSTALLED BELOW SLAB INSIDE BUILDING			
ABOVE GRADE, OUTSIDE BUILDING			
DOMESTIC WATER PIPING SHALL BE			
SIZES 2-12 INCHES AND SMALLER: COPPER WATER TUBE, TYPE "K" RIGID, ASTM B-88 WITH WROUGHT COPPER FITTINGS, AND B1.22 AND B1.95 SOLDER JOINTS. PROVIDE CLOSED-CELL ELASTOMERIC MATERIAL INSULATION FOR PIPING SUBJECTED TO FREEZING.			
SIZES 3 INCHES AND LARGER: CAST IRON PIPE 150 PSI CLASS WITH BELL AND SPIGOT CLASS C CAST IRON OR ASTM-A-33 PIPE, STEEL, HOT DIPPED MECHANICAL FITTINGS. PROVIDE 1 INCH THICK MOLDED FIBERGLASS INSULATION COVERED ALUMINUM JACKET.			
NATURAL GAS PIPING SHALL BE			
SCHEDULE 40 BLACK STEEL, SEAMLESS, OR ELECTRIC RESISTANCE WELDED. ASTM A-53 WITH WELDED JOINTS AND STEEL FITTINGS SAME THICKNESS AS PIPE. PIPING 2 INCHES AND SMALLER MAY BE SCHEDULE 40 BLACK STEEL PIPE WITH MALLEABLE IRON 150 PSI CLASS FITTINGS ANSI B1.3. BANDED AIR TESTED AND SCREWED JOINTS. ALL GAS PIPING AND FITTINGS OUTDOORS SHALL BE PAINTED WITH TWO COATS OF BRUSHED ON RUST PREVENTATIVE SILVER PAINT. ONE COAT OF RUST PREVENTATIVE PRIMER SHALL BE APPLIED TO THE PIPE IMMEDIATELY AFTER INSTALLATION. PAINTING BY OTHERS.			
NATURAL GAS PIPING IS NOT TO BE INSTALLED BELOW SLAB OUTSIDE BUILDING			
ACCESS PANEL FOR TRAP PRIMER			
ACCESS PANEL LOCATION SYMBOL			
BRANCH CONNECTION OUT OF BOTTOM			
BRANCH CONNECTION OUT OF SIDE			
BRANCH CONNECTION OUT OF TOP			
CAP ON END OF PIPE			
CLEANOUT (AT FLOOR) (FC)			
CLEANOUT (ON GRADE) WITH 18" X 18" X 4" CONCRETE PAD (CGT)			
CLEANOUT (TWO-WAY) (PROVIDE CONCRETE PAD OUTSIDE 18" X 24" X 4")			
CLEANOUT (WALL OR CEILING) (CO)			
CONCENTRIC REDUCER			
ECCENTRIC REDUCER			
FLOOR DRAIN/FLOOR SINK (FD)			
HUB DRAIN (HD)			
NEW CONNECTION TO EXISTING			
PIPE CONTINUATION			
PIPING DOWN			
PIPING UP OR PIPING UP AND DOWN			
SHOCK ABSORBER			
STRAINER			
UNION			

Date	Description
05.03.2017	Issue for Permit
05.22.2017	Issue for Bid

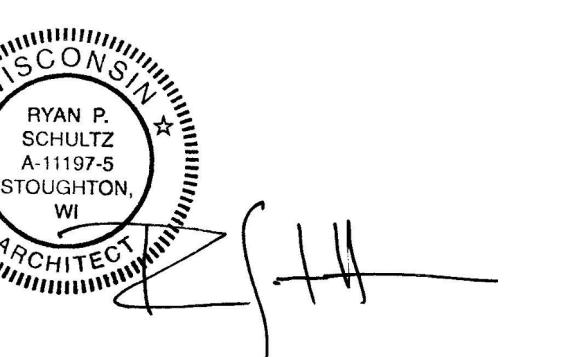


This project, like most OpenDesign's projects, is open source. (Attribution-ShareAlike 4.0 International--CC BY-SA 4.0) freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.

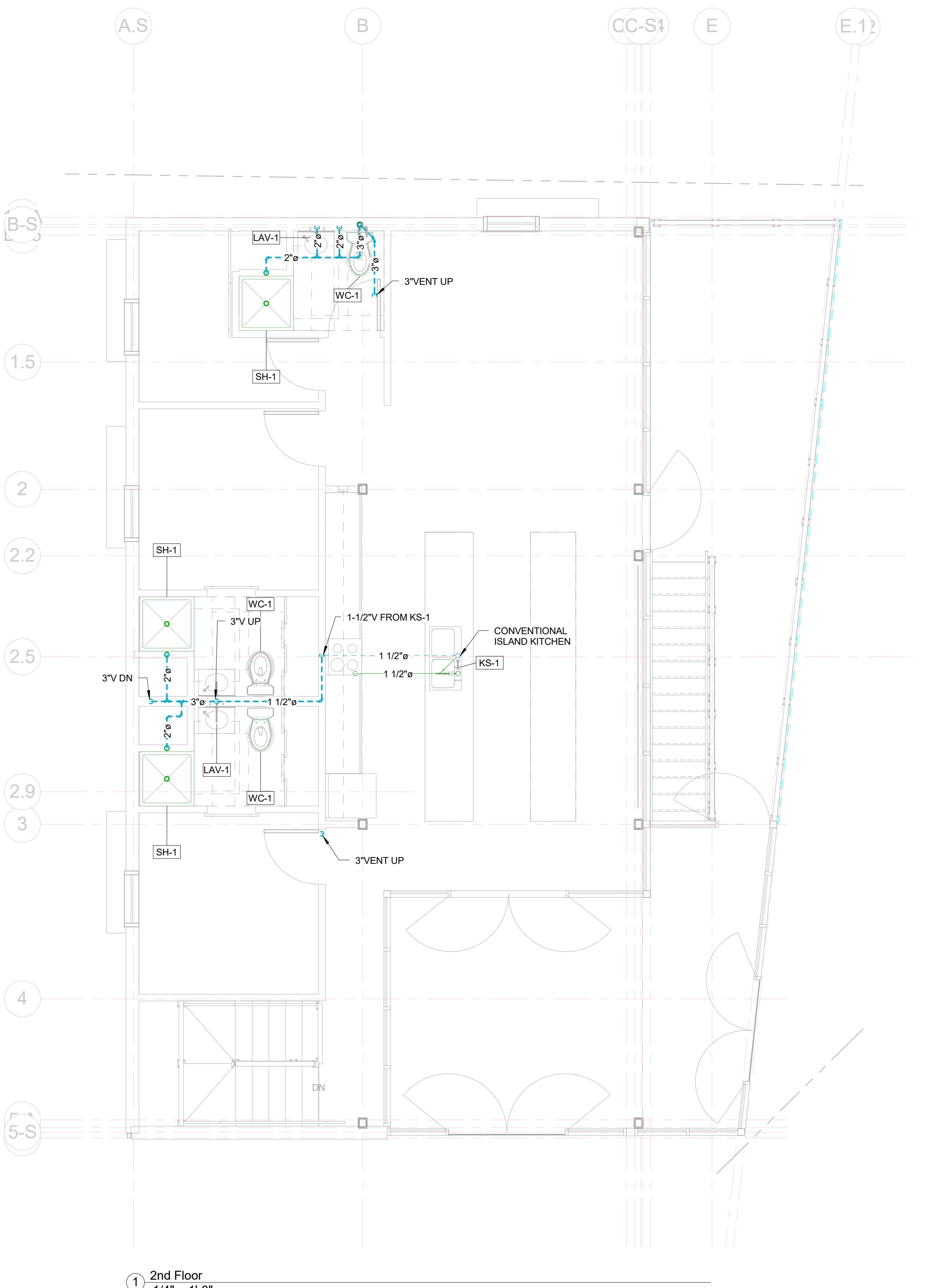


BASEMENT & FIRST FLOOR SANITARY PLAN
640 West Main Street, Lake Geneva, WI 53147

Date	Description
05.03.2017	Issue for Permit
05.22.2017	Issue for Bid



This project, like most OpenDesign's projects, is open source (Attribution-ShareAlike 4.0 International -CC BY-SA 4.0)-freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.



SECOND FLOOR AND ROOF PLUMBING PLANS

640 West Main Street, Lake Geneva, WI 53147

Architect: OpeningDesign
1 Lakeside St. | Madison, WI 53715
openingdesign.com | 773-425-6456

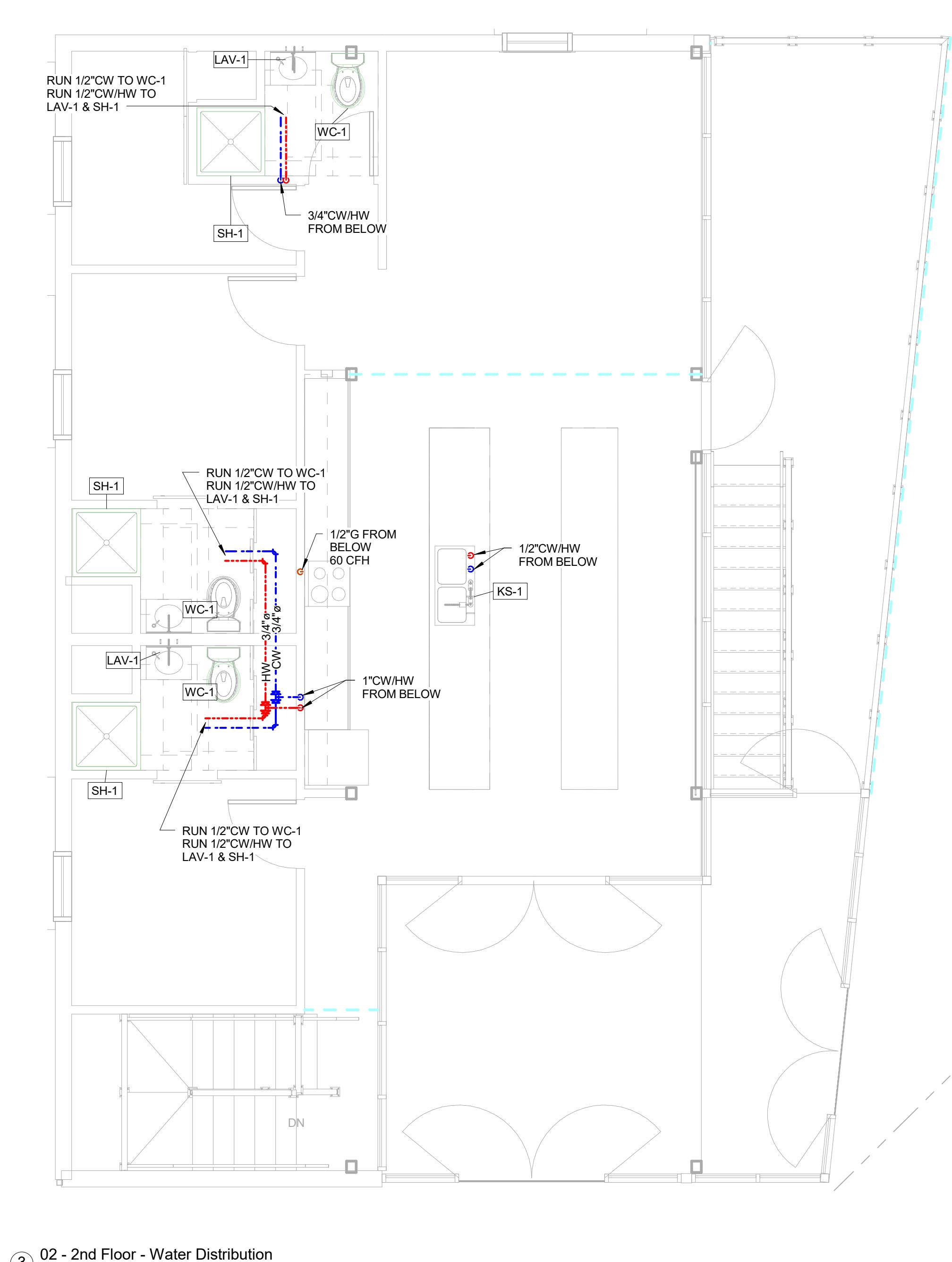
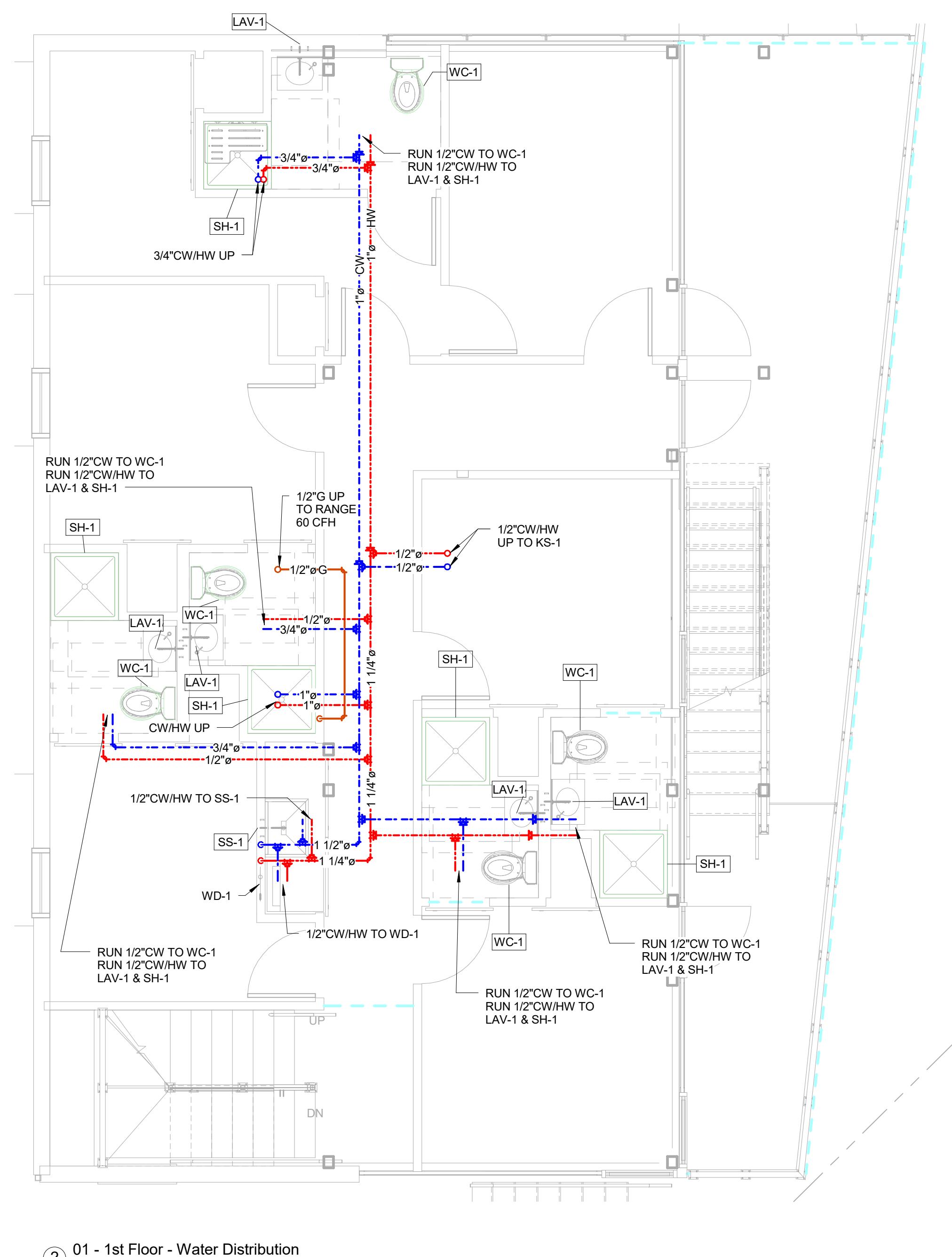
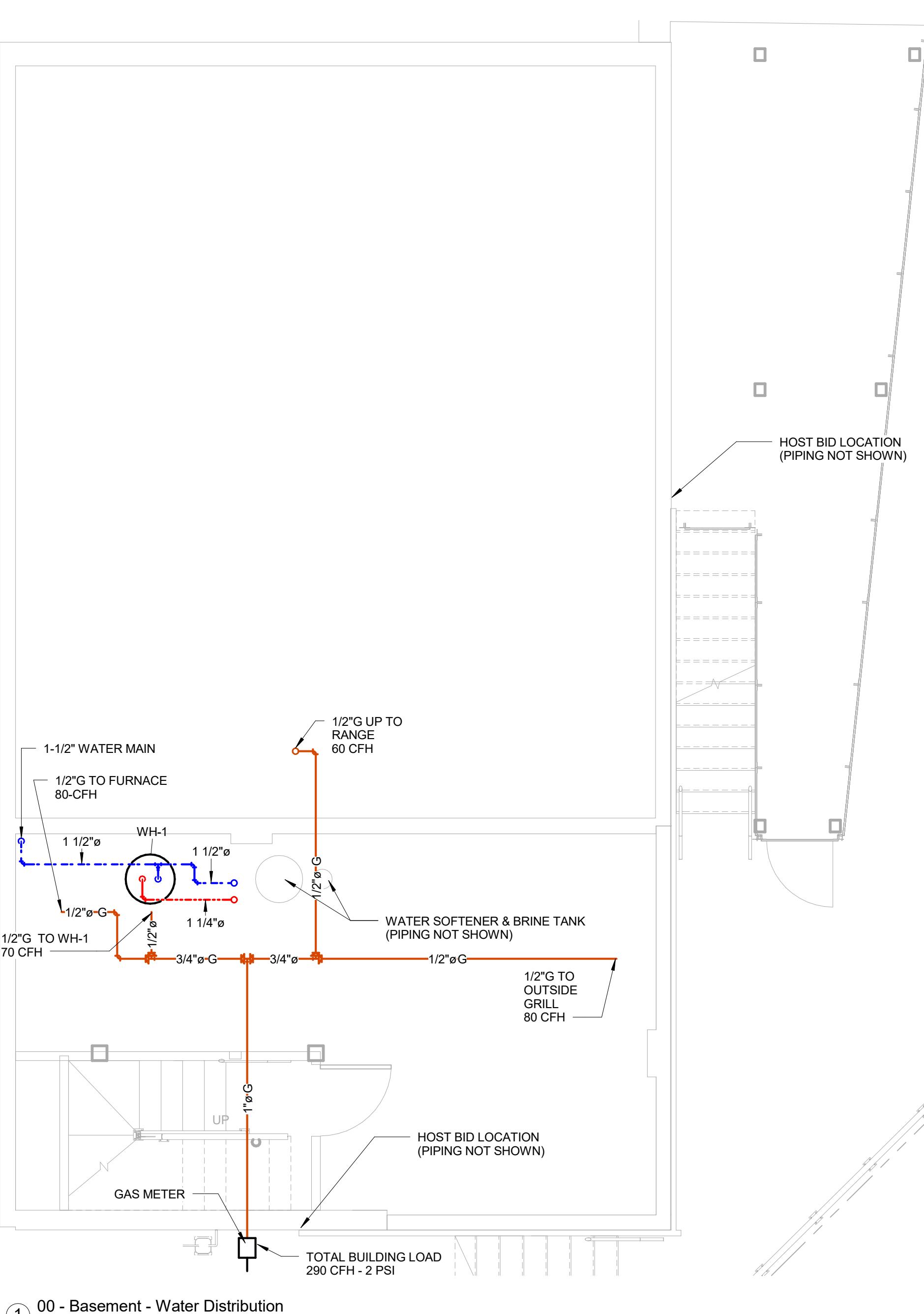
Date	Description
05.03.2017	Issue for Permit
05.22.2017	Issue for Bid

P1.02

FYF LLC.

Owner: FYF LLC.
Water St E | Fort Atkinson, WI
ovefunkys@hotmail.com

1



[This project, like most OpenDesign's projects, is open source (Attribution-ShareAlike 4.0 International--CC-BY-SA 4.0) -freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.]



Desapex

#1075-B, 10th main, HAL 2nd stage,
Bengaluru -08
HVAC Designer: Desapex
shreenidhi@desapex.com



Description

Architect: OpeningDesign
W. Lakeside St. | Madison, WI 53715
openingdesign.com | 773.425.4111

Description

Description

BASEMENT & FIRST FLOOR WATER DISTRIBUTION

640 West Main Street, Lake Geneva, WI 53147

P1.03

FYF LLC.

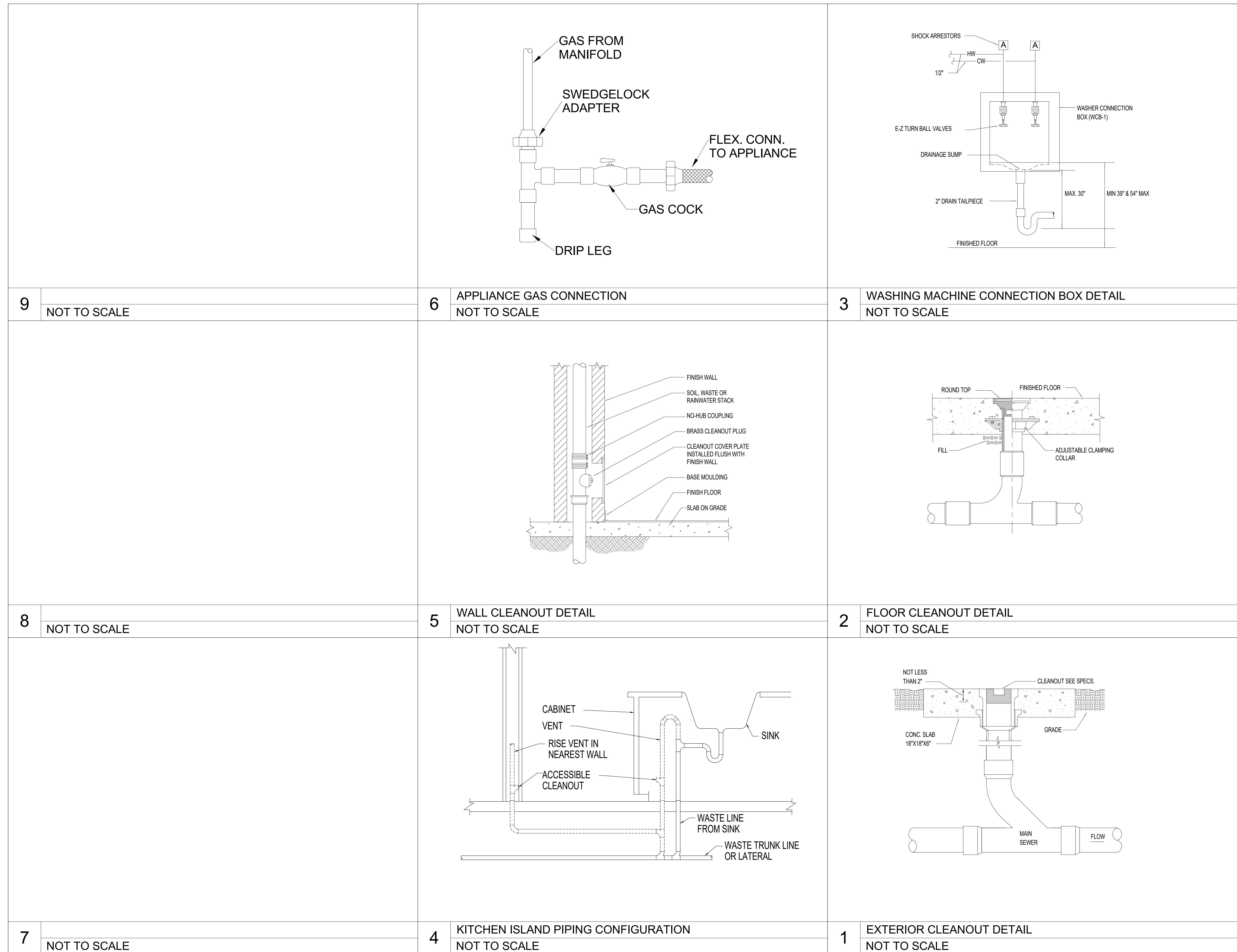
Zenteno Solutions

Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
roberto@zenteno.net | 832.449.9278



Desapex

This project, like most OpenDesign's projects, is open source (Attribution-ShareAlike 4.0 International--CC BY-SA 4.0) -freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.



Date	Description
05.03.2017	Issue for Permit
05.22.2017	Issue for Bid

640 West Main Street, Lake Geneva, WI 53147

P1.04

WATER CALCULATION WORKSHEET FOR: The Downtowner, Lake Geneva, WI, 53147

Date Designer

BUILDING INFORMATION

- Demand of building in gallons per minute (65 SFU). 33 gpm
- Size of the water meter. (Proposed size for hydraulic calcs, subject to Water Utility review.) 1.50 inch
- Low pressure at building entrance. 35.0 psi

CALCULATE PRESSURE AVAILABLE AFTER BUILDING CONTROL VALVE

- Low pressure at building entrance. 40.0 psi
- Pressure loss due to water meter. 2.0 psi
- Available pressure after building water meter. (Line 6 - 7a - 7b - 8) 38.0 psi

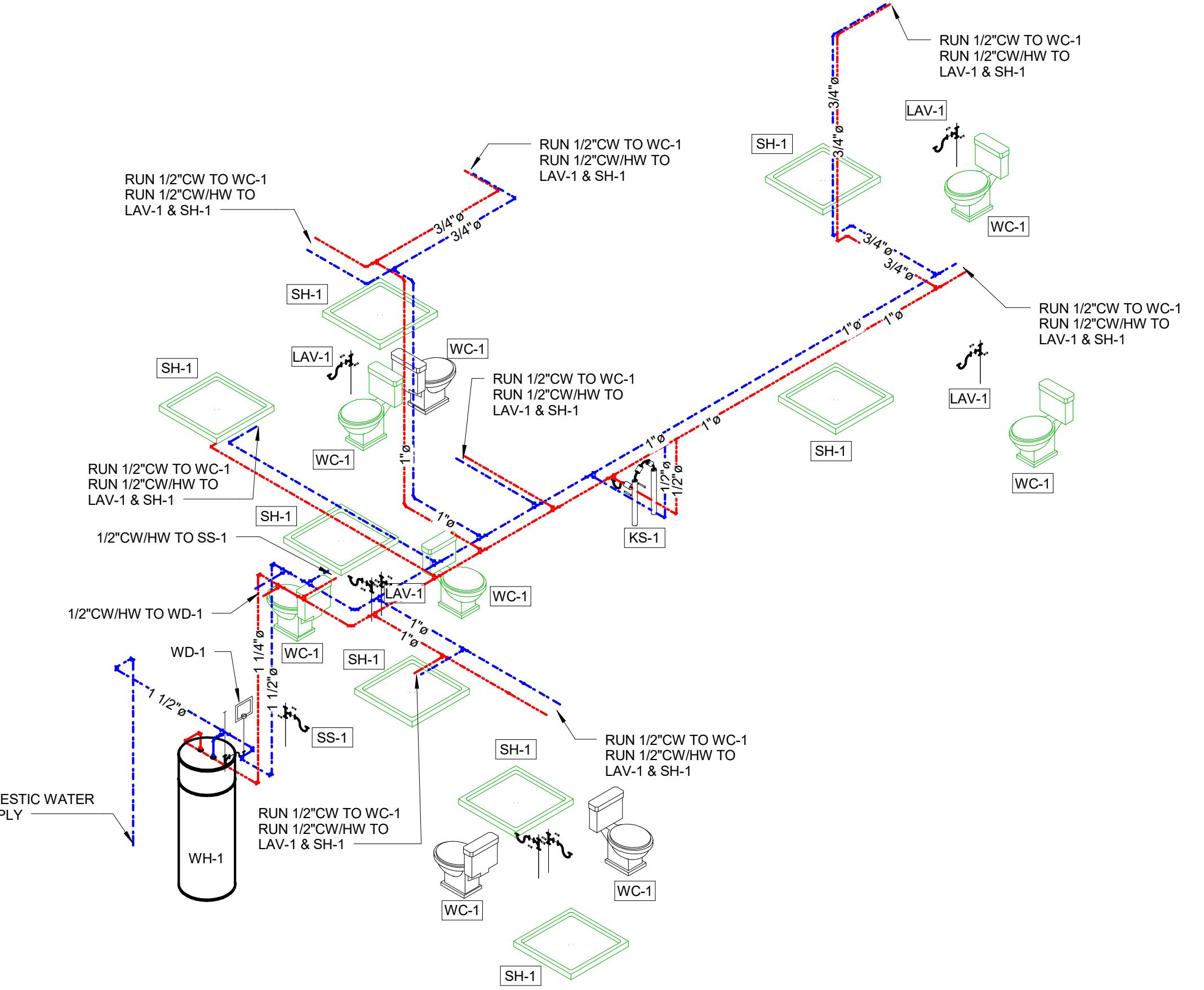
CALCULATE PRESSURE AVAILABLE FOR UNIFORM LOSS (VALUE OF "A")

- B. Available distribution pressure. (Line 9 + B1 - B2) 38.0 psi
- D. Pressure required at controlling fixture. (Shower in second floor bathroom.) 20.0 psi
- E. Head loss from the building control valve to the controlling fixture.
(Elevation change, multiply by 0.434 psi/ft.)
- | | | | |
|---------------------|--|------|-----|
| Elevation change ft | 25 | 10.9 | psi |
|---------------------|--|------|-----|
- F. Pressure loss due to water treatment devices, instantaneous water heaters, backflow preventers, and other accessories which serve the controlling fixture.
N/A 0.0 psi
- G. Actual pipe length from building control valve to controlling fixture ft 80
Developed length. (Actual length, multiply by fitting/loss factor.) fitting/loss factor 1.5 120.0 feet
- Pressure available for uniform loss. (Total Available Pressure / Developed Length.) 0.060 psi/ft
- Pressure available for uniform loss per 100 ft. (Multiply by 100 / 100.) 6.0 psi/100 ft
- A. Pressure available for uniform loss per 100 ft. (Value rounded up to next integer.) "A" = 6.0 psi/100 ft

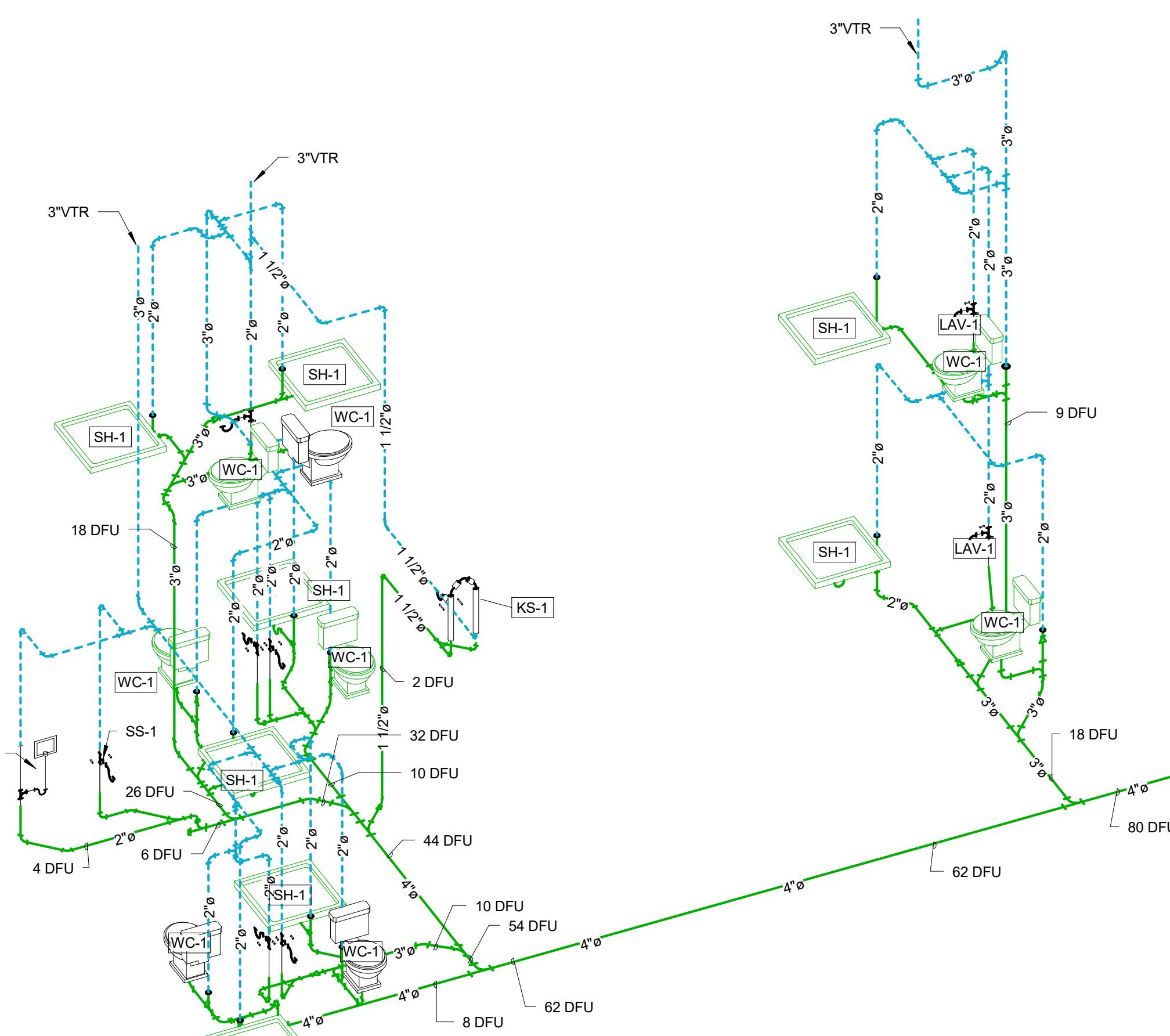
Building Information: Vacation Rental
Drain fixture Unit Calculations

Fixture	DFU/Unit	# of Units	Total DFU
Shower	2	8	16
Lavatory	1	8	8
Water Closet	6	8	48
Washing Machine	4	1	4
Service Sink	2	1	2
Kitchen sink	2	1	2
Total DFU's			80

Item	Fixture	DRAINAGE		WATER	
		Waste	Vent	Hot	Cold
KS-1	KITCHEN SINK	1-1/2"	1-1/2"	1/2"	1/2"
LAV-1	LAVATORY	2"	2"	1/2"	1/2"
SH-1	SHOWER	2"	2"	1/2"	1/2"
SS-1	SERVICE SINK	2"	2"	1/2"	1/2"
WC-1	WATER CLOSET	3"	2"	-	1/2"
WD-1	WASHER BOX	2"	2"	1/2"	1/2"



(2) WATER RISER DIAGRAM



(1) SANITARY RISER DIAGRAM

This project, like most OpenDesign's projects, is open source. (Attribution-ShareAlike 4.0 International CC BY-SA 4.0) freely available to any party for future use, assuming the terms such as Attribution and ShareAlike are honored.

FYF LLC.Owner: FYF LLC,
43 S Water St E | Fort Atkinson, WI
ilovefunkys@hotmail.com**Zenteno Solutions**Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
roberto@zenteno.net | 832.449.9278**Desapex**#1075-B, 10th main, HAL 2nd stage,
Bengaluru -08
HVAC Designer: Desapex
shreenidhi@desapex.com

 FIRM P.
SCHULTZ
A-111075
STUTTON
WI
ARCHITECT

openingdesign

Architect: OpeningDesign
312 W. Lakeside St. | Madison, WI 53715
hello@openingdesign.com | 773-425-6456

Date	Description
05.03.2017	Issue for Permit
05.22.2017	Issue for Bid

RISER DIAGRAMS

640 West Main Street, Lake Geneva, WI 53147

P 1.05

5/22/2017 1:41:48 PM