

Code Analysis

Building SF: 7,297 SF
Occupancy: A-3 (Library)
Occupant Load: 50 (to be determined b building official)
Construction: VB

International Building Code - Commercial 2015

506.3.2	Allowable SF without Sprinkler System 8,520 SF Frontage Increase = $(F/P - 0.25)W/30$ $= (112+60+60)/(112+112+60+60)/(30/30)$ $= .424 \times 6000 + 6000 = \text{max } 8,520$
720	Thermal insulating materials shall comply with this section.
803	All interior finishes shall be Class C or better, Flame Spread Index:76-200. Smoke developed index: 0-450.
903.2.13	Does not require fire sprinkler system.
906	Install portable fire extinguishers per this section.
907.2.1	Fire alarm and detection systems are not required per this section.
1007	Doors and hardware to comply per this section.
1007.1.1	Second Exit located more than 1/2 maximum overall building diagonal.
1008	Exit illumination shall be provided per this section.
1013	Provide exit signs per this section.
1017.2	Exit access travel distance = 200'
1504-1505	Asphalt shingles shall comply with these sections.
1603.1.3	The ground snow load (Pg) shall be indicated. In areas where Pg exceeds 10 psf the following shall be provided: Flat Roof Snow Load (Pf), Snow Exposure Factor (Ce), Snow Load Importance Factor (Is), Thermal Factor (Ct), any Sloped-Roof Snow Load (Ps), and any Unbalanced, Drift, or Sliding Snow Loads. These shall be indicated on the construction documents for location and distribution.
Chapter 18	Soils and foundations shall comply with this section.
1805	If applicable, damp-proofing, water-proofing, and sub-soil drainage are to be provided.
Chapter 1907	Concrete slab provisions shall comply with this section.
Chapter 21	Masonry material, design, and construction shall comply with this chapter.
Chapter 22	Steel material, design, and construction shall comply with this chapter.
Chapter 23	Wood material, design, and construction shall comply with this chapter.
Chapter 24	Glazing supplier shall comply with all codes in this chapter.
2406.4.1	Safety glazing required in all fixed and operable door panels.
2406.4.2	Safety glazing required in glazing adjacent to door if within 24" of door and less than 60" above floor.
Chapter 26	Foam plastic insulation material, design, and construction shall comply with this chapter.
2902.1	1 water closet per 125 (male) 1 water closet per 65 (female), 1 lavatory per 200, 1 drinking fountain per 500, 1 service sink required. All requirements met or exceeded.
Chapter 33	Safeguards during construction shall comply with this chapter.

ANSI A117.1-2003 Provide handicap accessible rooms.

2018 International Energy Conservation Code

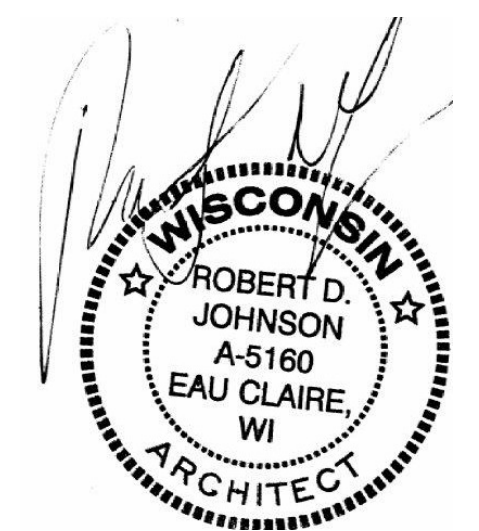
U-Values (MAX)	
Foundation Perimter:	0.45
Wall 1:	0.06
Wall 2:	0.06
Roof 1:	0.03
Roof 2:	0.02
Windows:	0.36
Aluminum Storefront Doors/Sidelights:	0.89
All Other Doors:	0.22

Table C402.1.3 Insulative continuity must be maintained in the design of slab edge insulation systems. Continuity must be maintained through the wall insulation through the intersection of the slab, wall and footing to the body of the slab edge.

Handicap Site Notes

1. Parking and unloading max. slope 1:48.
2. Accessible route max. slope 1:20, min. 36" wide, curb ramps max. 1:12 slope, min. 36" wide.
3. Provide 24" clearance at latch side of entrance doors, latches at 34-48" high, 1/2" max. threshold, exterior landing max. slope 1:48 and min. depth 36"

ROBERT D. JOHNSON
ARCHITECT
5201 Stonewood Drive
Eau Claire, WI 54703
(715)828-8330
rdjarchitect@gmail.com



Consultant
Address
Address
Phone
Fax
e-mail

Consultant
Address
Address
Phone
Fax
e-mail

Consultant
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Phone
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e-mail

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Mondovi Public Library
SE Corner of Hudson & Franklin Sts.
Mondovi, WI

Site Plan + Project Info

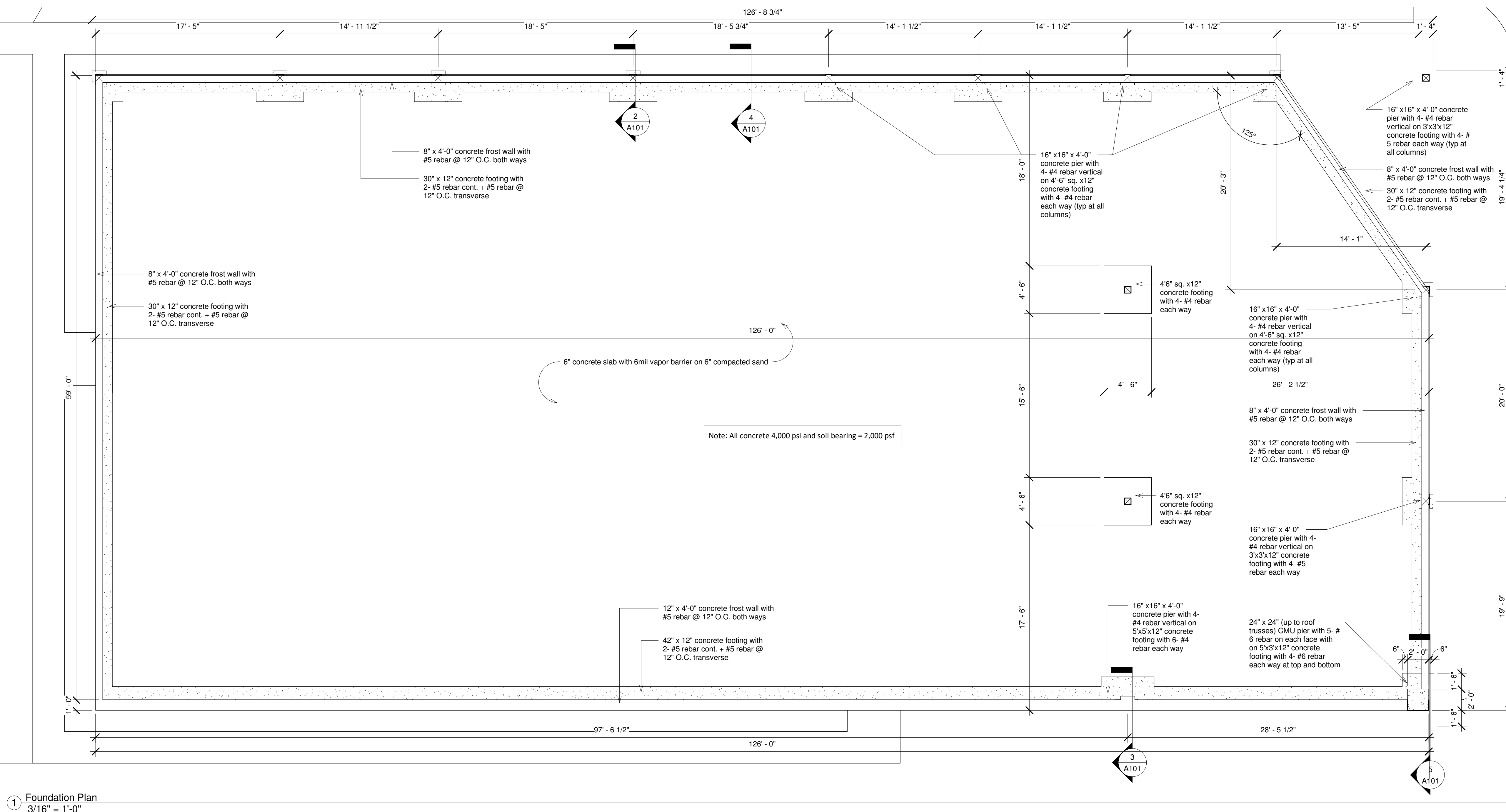
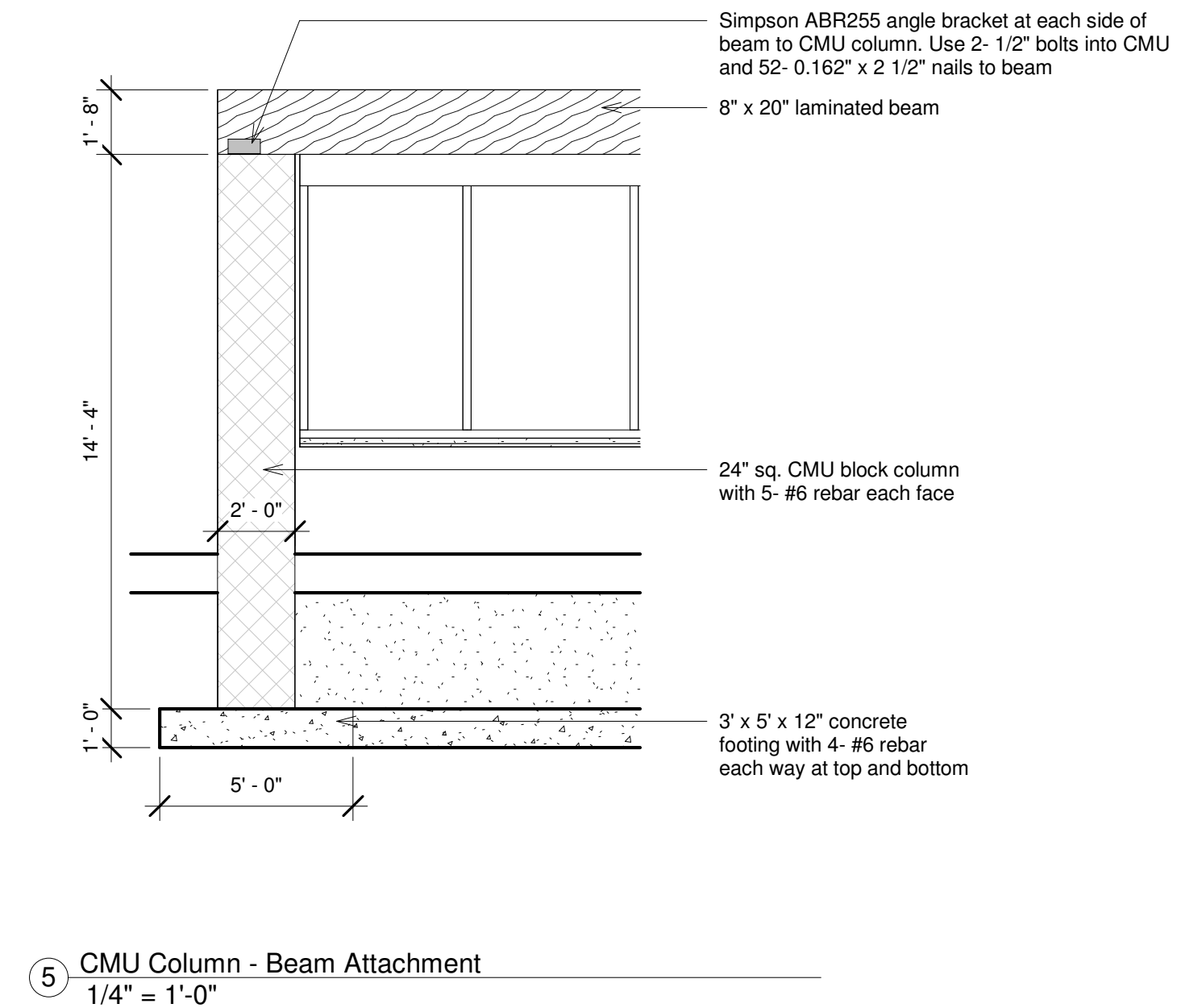
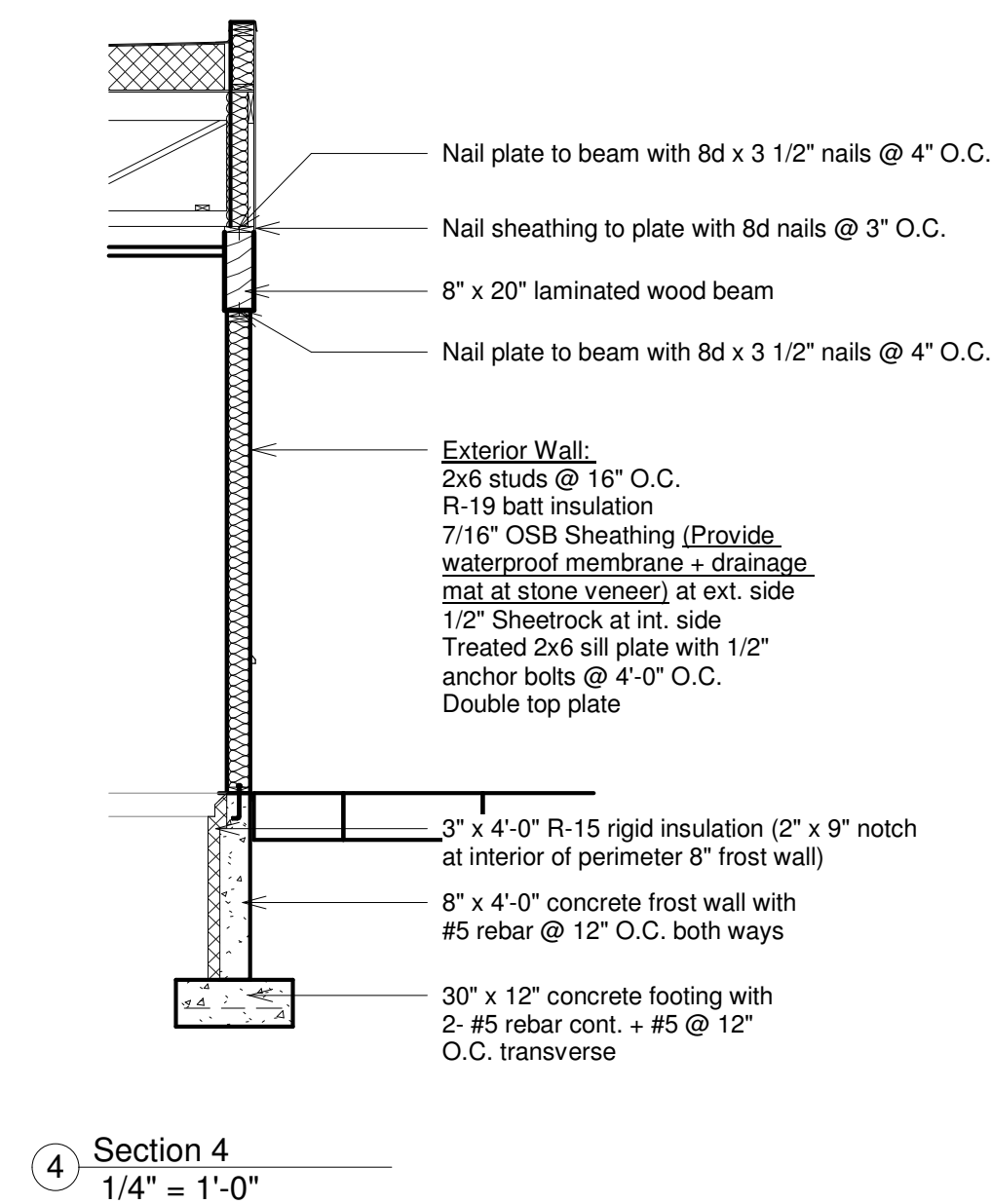
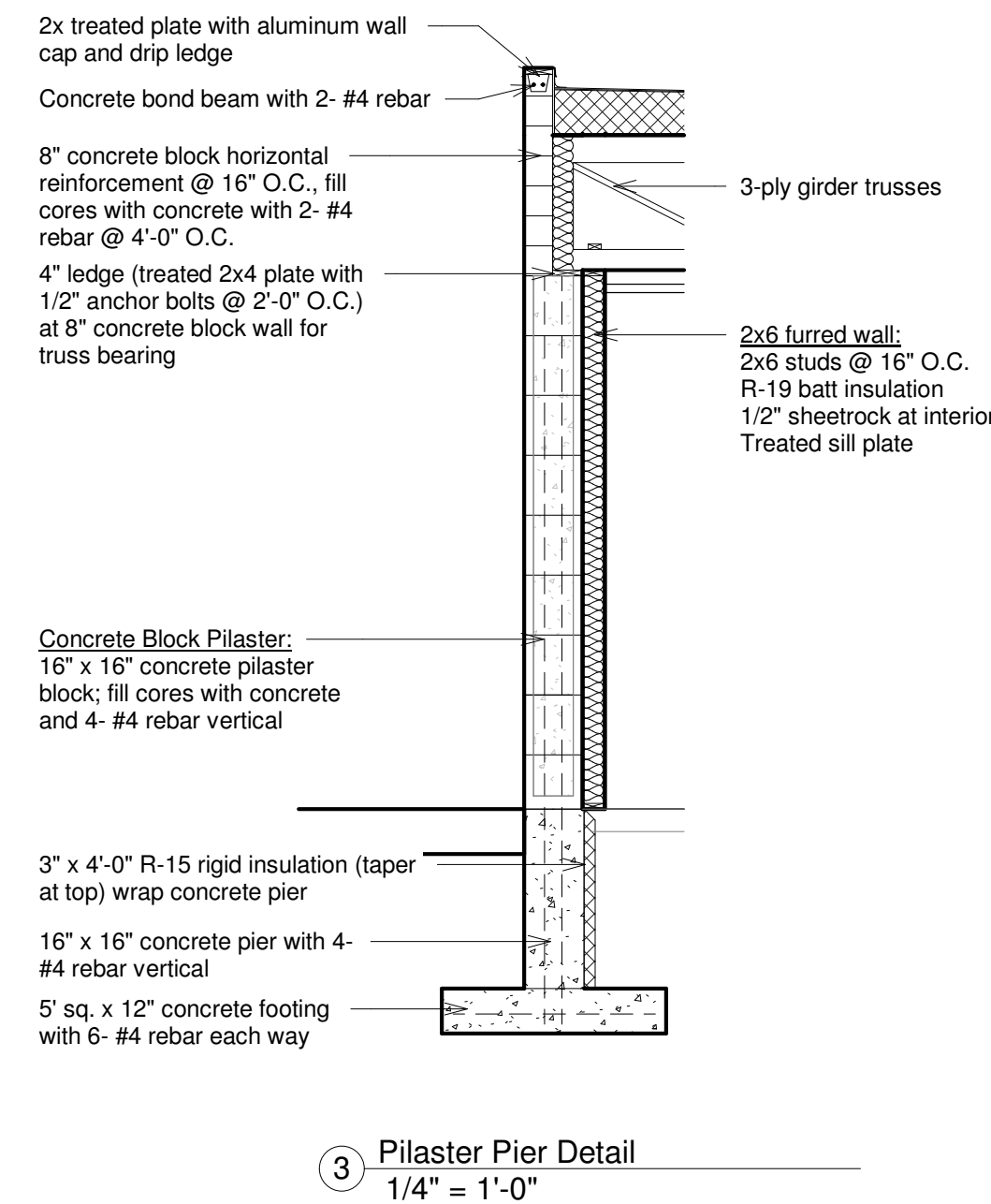
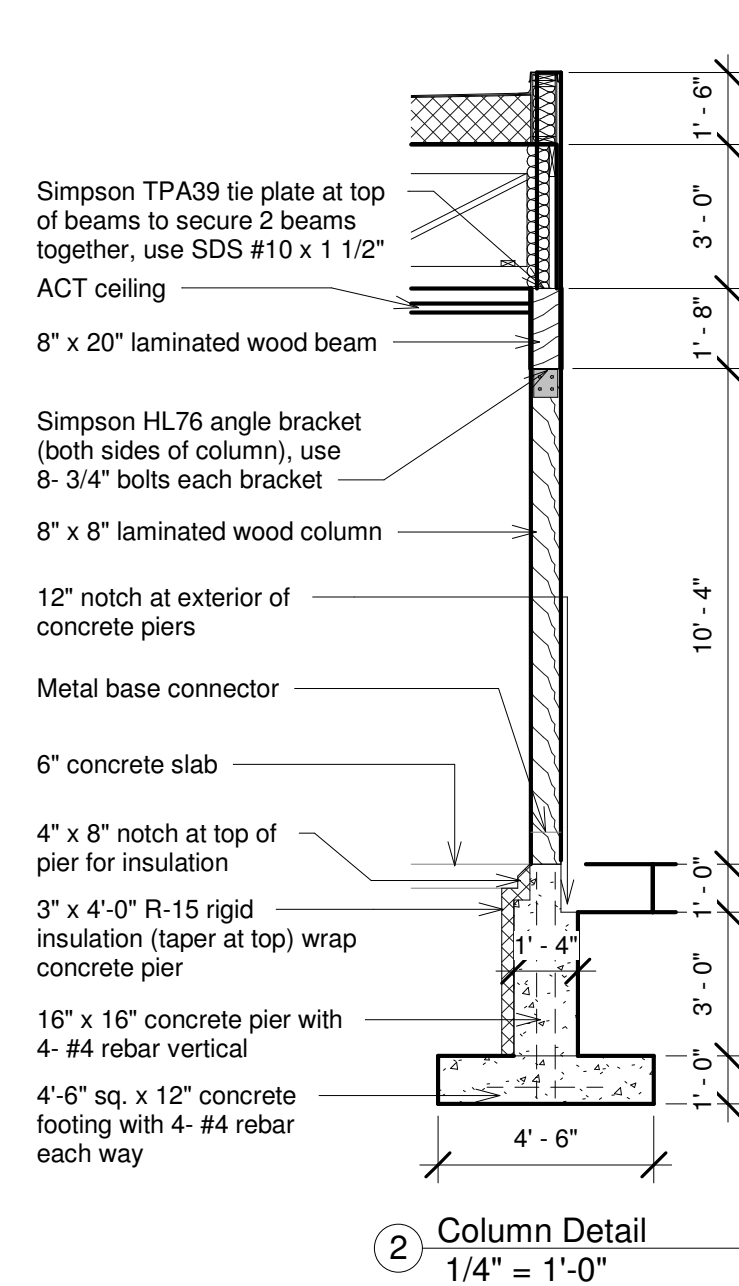
Project number	2022.54
Date	6.9.23
Drawn by	OMC
Checked by	RDJ

A100

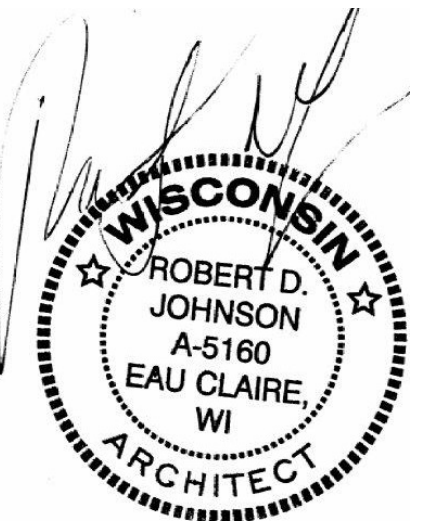
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1 Site
1" = 10'-0"



ROBERT D. JOHNSON
ARCHITECT
5201 Stonewood Drive
Eau Claire, WI 54703
(715)828-8330
rdjarchitect@gmail.com



Consultant
Address
Address
Phone
Fax
e-mail

Consultant
Address
Address
Phone
Fax
e-mail

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Mondovi Public Library
SE Corner of Hudson & Franklin Sts.
Mondovi, WI

Foundation Plan

Project number	2022.54
Date	6.9.23
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Checked by	RDJ

A101

Scale	As indicated
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Professional Engineer Seal for Wisconsin, Robert D. Johnson, A-5160, Eau Claire, WI, Architect.

Consultant
Address
Address
Phone
Fax
e-mail

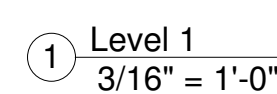
Mondovi Public Library

SE Corner of Hudson & Franklin Sts.
Mondovi, WI

Floorplan

A102

Scale	$3/16" = 1'-0"$
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Mondovi Public Library

SE Corner of Hudson & Franklin Sts.
Mondovi, WI

Floorplan

Scale	As indicated
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① East
3/16" = 1'-0"

③ West
 $3/16" = 1'-0"$

② North
 $\frac{3}{16}'' = 1'-0''$

④ South
 $3/16" = 1'-0"$

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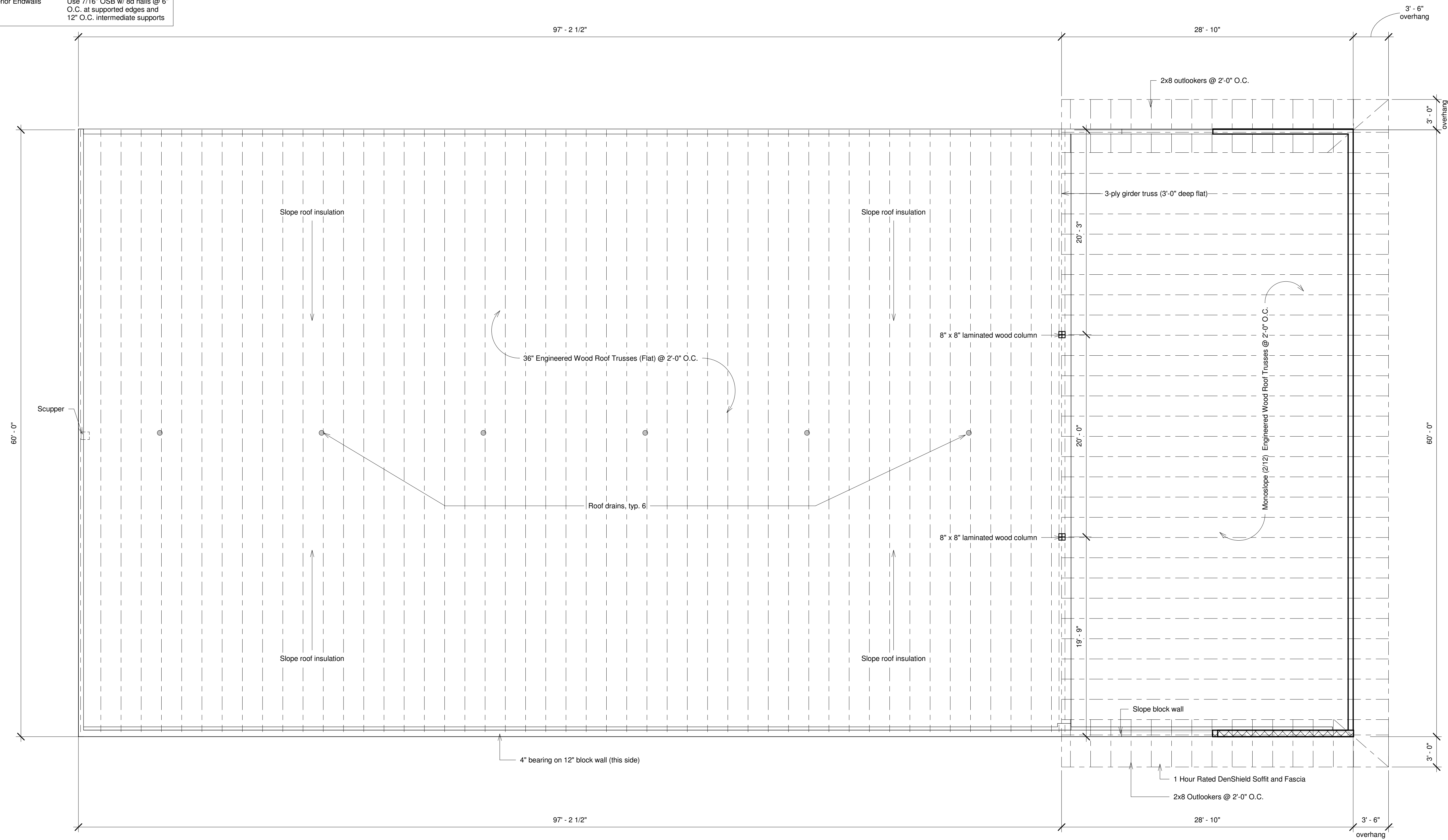
Exterior Elevations

Project number	2022.54
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A104

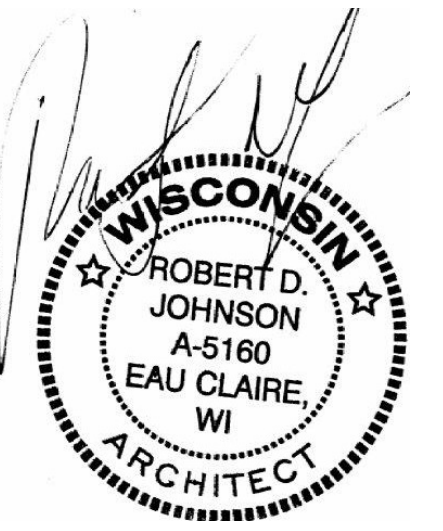
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Construction Class:	VB
Occupancy Type:	A-3
Importance Factor	Cat II Is = 1.0 Iw = 1.0 Ie = 1.0
Exposure Factor	Ce = 1.0
Exposure B - Partially Exposed	Ct = 1.1
Thermal Factor	
Loading:	
Floor	100 PSF LL
Roof (Ground Snow)	50 PSF LL + 14.5 PSF DL
Roof (Snow Load)	38.5 PSF
P1 = 0.7(CeCt)Pg = 0.7	1.0 x 1.1 x 1.0 = 38.5
Wind Load	115 MPH
Soil Bearing	2,000 PSF (soil type GW)
Concrete	4,000 PSI
Wind Shear:	
Roof Sheathing	Use 5/8" OSB w/ 8d nails @ 6" O.C. at supported edges and 12" O.C. intermediate supports
Exterior Endwalls	Use 7/16" OSB w/ 8d nails @ 6" O.C. at supported edges and 12" O.C. intermediate supports



1 Roof Framing Plan
3/16" = 1'-0"

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Eau Claire, WI 54703
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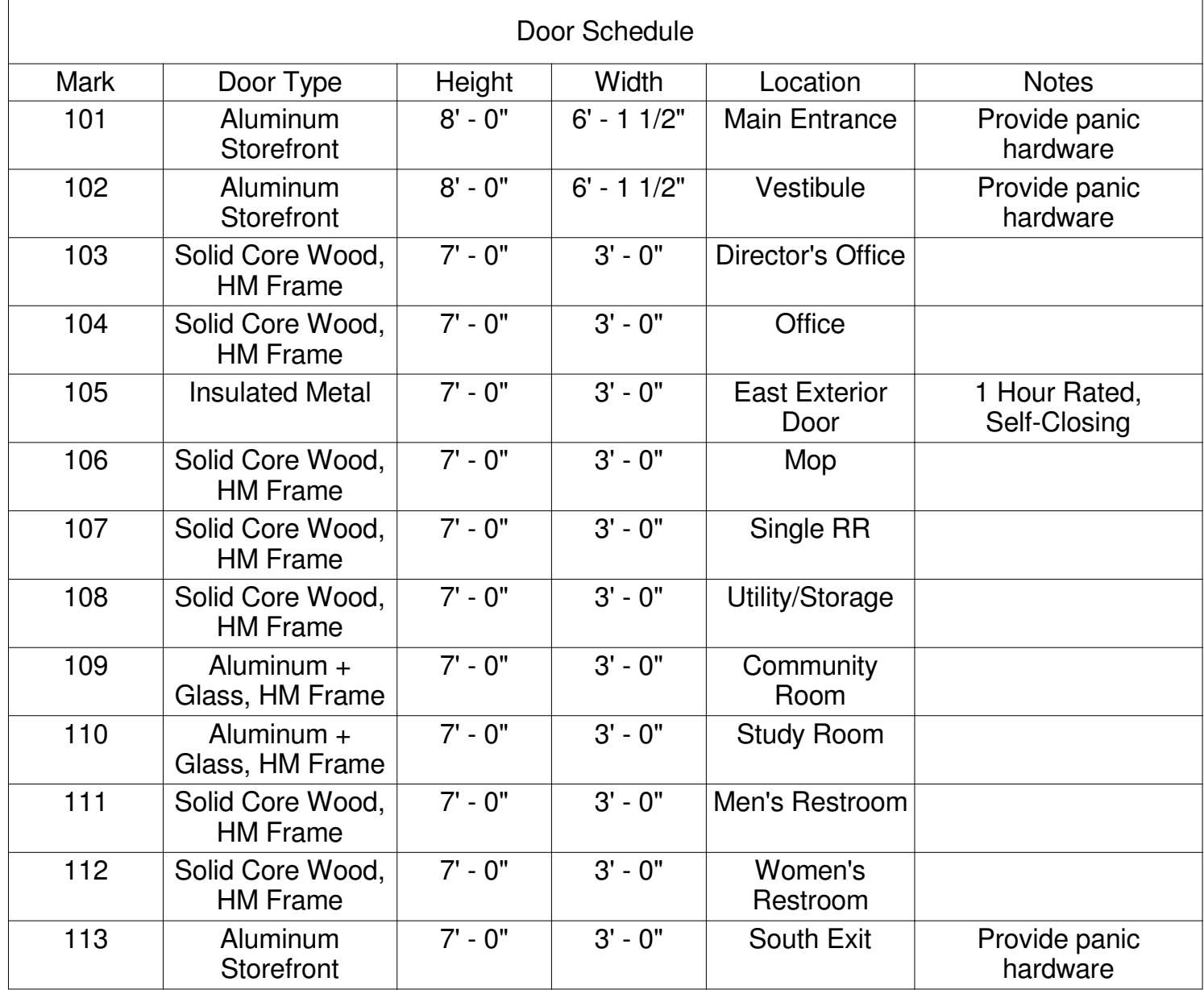
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Roof Framing Plan

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A105

Scale	$\frac{3}{16}'' = 1'-0''$
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Consultant
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Phone
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Scale $3/16" = 1'-0"$