NOTICE OF MEETING
VILLAGE OF FOX POINT
BUILDING BOARD

Schwemer Hall
7200 North Santa Monica Blvd.
Fox Point, WI 53217

Wednesday
September 11, 2024
5:00 P.M.

Join Zoom Meeting

https://us02web.zoom.us/j/88643620031

Meeting ID: 886 4362 0031

Dial by your location: 312.626.6799

AGENDA

1. Roll call of board members and quorum confirmation.
2. Discussion, corrections, and approval of the minutes of the August 14, 2024 Building Board meeting.
3. Ellie DeLia, 7633 N Links Way, proposed sunroom.
4. Brian Wolff, 7528 N Links Way, proposed garage addition.
5. Lisa Friedel, 7402 N Crossway Rd, proposed window size change.
6. Laurie Bergum, 7630 N Boyd Way, proposed second story addition.
7. Linda Tredupp, 8025 N Whitney Rd, proposed deck.
8. Adjourn.

Posted and published September 9, 2024 10:30 AM

PLEASE NOTE: Upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through sign language interpreters or other auxiliary aids. For additional information or to request these services, contact the Village Clerk at 414-351-8900. It is possible that members of, and possibly a quorum of members of, other governmental bodies of the municipality may be in attendance at the above stated meeting to gather information; no action will be taken by any governmental body at the above stated meeting other than the governmental body specifically referred to above in this notice.

VILLAGE OF FOX POINT
BUILDING BOARD MINUTES

A meeting of the Building Board was held via Zoom, on Wednesday, August 14, 2024, at 5:00 pm. Those present included:

Justin Racinowski
William Feldman
Sharon Celek
Lucille Sells-Absent
Brian Tobiczyk
Michael Rakow

Notice of the meeting was provided to the North Shore Now and to all others as required by State open meeting laws and posted on the official bulletin boards.

MINUTES

Motion was made by Sharon Celek to approve the minutes of July 10, 2024. Motion was seconded by William Feldman. Motion Caried.

AGENDA

1. [redacted], **1518 E Goodrich Ln, proposed bedroom & bathroom addition to 2nd floor.** It was the consensus of the Building Board to approve as submitted.
2. **Philip Lator, 7950 N Port Wash Rd, proposed sign.** It was the consensus of the Building Board to approve as submitted.
3. **Jaun Carlos Chang Shik, 803 E Bradley Rd, proposed roof mounted solar.** It was the consensus of the Building Board to approve as submitted.
4. **Susan LaBudde, 7439 N Fairchild Rd, proposed roof mounted solar.** It was the consensus of the Building Board to approve as submitted.
5. **David Sadoff, 7855 N Club Cir, proposed awning.** It was the consensus of the Building Board to approve as submitted.
6. **Greg Kauffmann, 8244 N Gray Log Ln, proposed window assemblies.** It was the consensus of the Building Board to approve as submitted.
7. **Elizabeth Casmer, 8566 N Regent Rd, proposed garage addition.** It was the consensus of the Building Board to approve subject to the two gable end dormers on the front side, increase the window size by lowering the sills.

ADJOURN

Motion to adjourn Building Board was made by William Feldman. Motion seconded by Brian Tobiczyk. Motion Caried. Building Board adjourned at 6:01 pm.

Respectfully Submitted,

Michael Rakow
Building Inspector
Village of Fox Point

DRAFT

VILLAGE OF FOX POINT

VILLAGE OF FOX POINT
7200 N Santa Monica Blvd
Fox Point, WI 53217
(414) 247-6622
www.villageoffoxpoint.com

Permit Number:

B- _____

OFFICE USE ONLY
Issued Date
Zoning

BUILDING PERMIT

Job Address 7633 North Links Way	**Building Type:** Residential [X] Commercial [ ]
Description of Work Replace existing Sunroom with new Sunroom on existing deck. Sunroom will be thermally isolated from the house. House door to remain. Replacing with same footprint as original	
Estimated Cost of Project $ 125,000.00	

Owner/Occupant Ellie DeLia	
Business Name	Contact Name Ellie DeLia
Address 7633 North Links Way	City/State/Zip Fox Point WI 53217
Phone 414-704-5265	Email elliedelia@gmail.com

Cautionary Statement required when homeowner is applying for permit

Contractor	
Company Name Great Day Improvements	Contact Name Karey Bell
Address W141N9296 Fountain Blvd	City/State/Zip Menomonee Falls WI 53051
Phone 440-817-0611	Email Cadpermits@greatdayimprovements.com
Dwelling Contractor # DC-0120001023	Dwelling Contractor Qualifier # DCQ-0120000077

Square Footage Under Construction — same as existing				
1st Floor	2nd Floor	Basement	Addition 206 -	Garage

Description	Rate	Amount
Project - Per $1,000 of estimated cost	$10.00	
Building Board	$75.00	
Footing early start - $230.00 one and two family; $305.00 commercial		
Plan Review - $275.00 one and two family; New Single Family Construction $330.00 plus $30.00/unit commercial		
State Seal	$75.00	
Razing, Interior Demolition $925.00 max/bld — $95.00 minimum plus	$0.13/sqft	
Moving buildings — $250.00 plus	$0.13/sqft	
Fuel tanks - Per 1,000 gallons	$25.00	
Re-inspection	$100.00	
Work started without permit	**Double**	
Minimum Fee	**$70.00**	
Payable to: Village of Fox Point — **Total Permit Fee**	$	

Applicant Signature Karey Bell **Date** 8-6-24

Rev 01/22

ISSUED PERMITS are available on the Village website under *PERMITS & LICENSES*

VILLAGE OF FOX POINT
7200 N. SANTA MONICA BLVD
FOX POINT WI 53217 414-351-8900

Receipt No: 1.060663 Aug 21, 2024

7633 N Links Way

Previous Balance:	.00
LICENSES & PERMITS - BUILDING PLANS - FILING FEE 24-44440 BUILDING PLANS-FILING FEE	75.00
Total:	75.00
CHECK Check No: 72519 Payor: GREAT DAY IMPROVEMENTS LLC	75.00
Total Applied:	75.00
Change Tendered:	.00

08/21/2024 2:04 PM

VILLAGE OF FOX POINT
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Fox Point, WI 53217
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BUILDING BOARD

Building Board typically meets on the second Wednesday of every month at 5:00 p.m. The application deadline is 12:00 p.m., two Fridays prior to the meeting. All applications must be complete and include the proper filing fee.

Building Board meetings will be held via Zoom. Building Board agenda with the Zoom address will be posted on the website under **Agendas & Minutes**.

Examples of projects that must appear before the Building Board: New Construction, Additions, Exterior Improvements, Detached Garage, Decks, Sheds > 100 sq. ft., Window Replacement, New Doors, Patio Doors, Pools, Signs, and Solar Systems.

Complete Building Board Applications must include:

- ☑ **One set of drawings** to 1/4 inch scale on 24" x 36" maximum size sheets. These shall include all elevations, floor plans, foundation plan, and cross sections.
  - *Elevation Drawings* shall include all proposed elevations of the building, even if changes to the elevation are not proposed. This is to ensure consistency of all elevations. In cases where a building element may be skewed from another, it may be necessary to draw more than the four primary elevations of the building to clearly explain the intent of the design. All building elevations must be fully dimensioned to indicate heights above grade for all components. If the project is a building addition or remodeling, the original structure should be clearly illustrated as new building versus existing structure.
  - *The complete existing elevation should be shown in all cases of additions and remodeling.* All building materials must be identified and noted on each elevation drawing. This is to include, but not limited to, type and size of siding, type and size of masonry, window type size and material, roofing material, fascia, rakes, soffits, eaves, and flashing materials. It is recommended to bring material samples and colors.
  - *Dimensioned floor plans* shall include all floor plans of the proposed building. Each plan must include complete dimensions, and include room names for each space. In the case of an addition, each room shall be tagged either existing or new. In the case where there is a detached garage, a separate plan, fully dimensioned, for the garage must be included.
- ☑ **Color photos** that includes all elevations of existing home and any accessory structures on the property.
- ☑ **Survey** less than one year old **or** an accurate survey showing all existing buildings, decks, in-ground pools, hardscaping and any non-pervious paving, prepared by a certified surveyor registered by the State of Wisconsin. **Required for Additions, Accessory Structures, Decks, New Construction, In-ground Pools/Hot Tubs (and pads for above-ground hot tubs), and Solar Panels (Ground mount only).** This must include all property lines with distances bearings, North arrow, exact location of all existing and proposed buildings, parking areas, drives, public improvements, easements, and other key features of the site. Show distances from front, rear and side property lines.
- ☐ **Site plan** include a North arrow and dimensions. **Required for Additions, Accessory Structures, Decks, New Construction, In-ground Pools/Hot Tubs, and Solar Panels (Ground mount only).** This document must include all property lines, utility and access easements, zoning setbacks, exact location of all existing and proposed buildings or additions including roof overhangs, all hard surfaced areas (parking areas, drives, patios, sidewalks, etc.), swimming pools, and other accessory structures.
- ☐ **Open area** calculation required for Additions, Accessory Structures, Decks, New Construction, In-ground Pools/Hot Tubs, and Solar Panels (Ground mount only).
- ☑ **One Electronic copy of entire Building Board packet** emailed to mrakow@villageoffoxpoint.com
- ☑ **Completed Building Permit Application.**
- ☑ **Building Board Fee** $75.00 payable to the Village of Fox Point.

A REPRESENTATIVE MUST ATTEND BUILDING BOARD MEETING

7633 N. Links Way
Fox Point

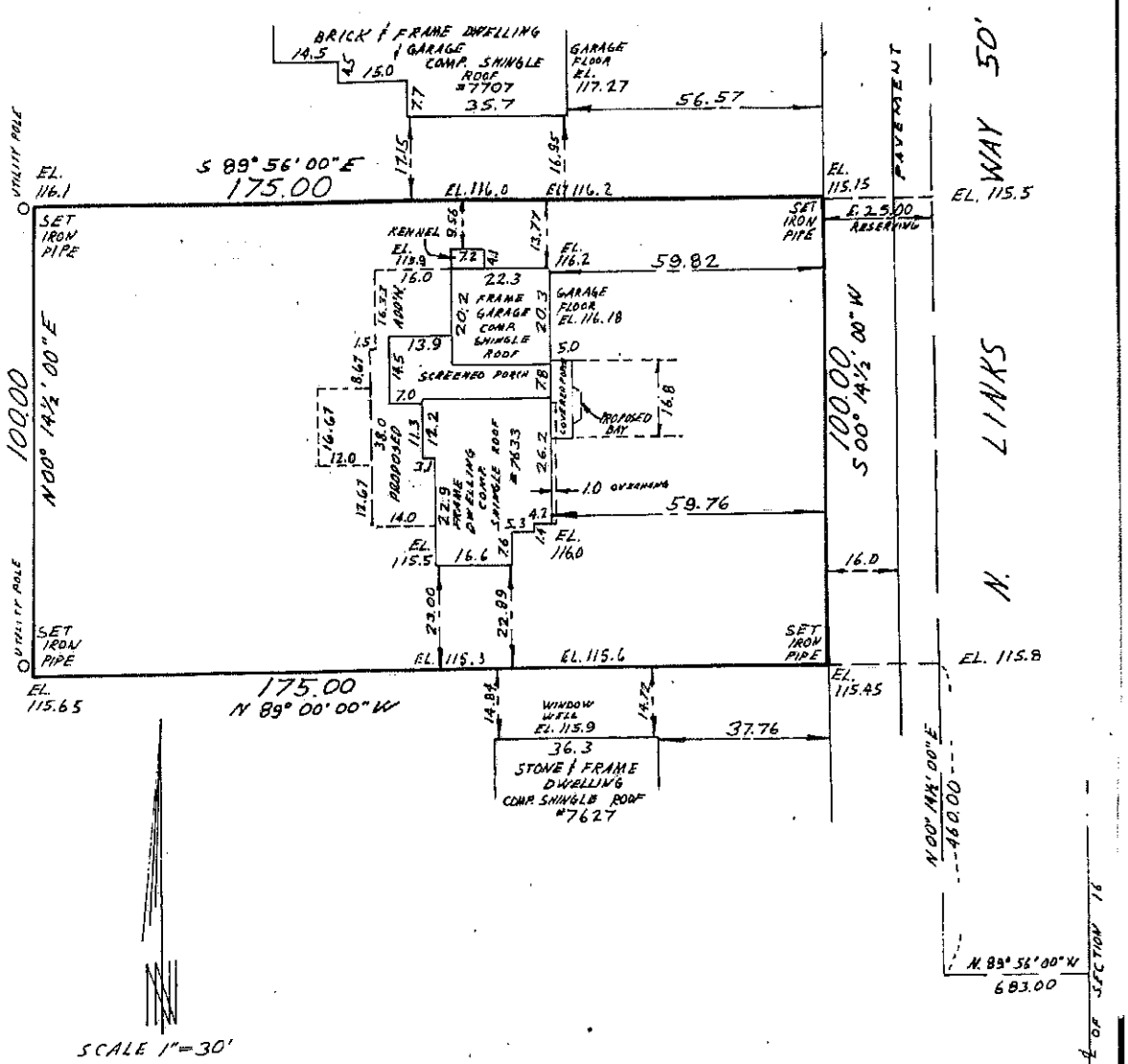
Plat of Survey

De Lia 414-351-0296

Known as 7633 North Links Way, in the Village of Fox Point, Wisconsin
Part of the SE 1/4 of the NE 1/4 of Section 16, T 8 N, R 22 E, in the Village of Fox Point, Milwaukee County, Wisconsin, bounded and described as follows: Commencing at a point which is 683.00 ft. North 89°56'00" West of the center line of Section 16; thence North 00° 14 1/2' 00" East 460.00 ft. to the point of beginning of the land to be described; thence North 89°00'00" West 200.00 ft. to a point; thence North 00° 14 1/2' 00" East 100.00 ft. to a point; thence South 89° 56' 00" East 200.00 ft. to the center line of a reservation for highway purposes 50.00 ft in width; thence South 00° 14 1/2' 00" West and along the center line of said reservation 100.00 ft. to the point of beginning. Reserving the East 25.00 ft. for public road purposes.

JUNE 23, 1977

SURVEY NO. 96430-S



I Certify that I have surveyed the above described property (Property), and the above map is a true representation thereof and shows the size and location of the Property, its exterior boundaries, the location and dimensions of all visible structures thereon, boundary fences, apparent easements and roadways and visible encroachments, if any.

This survey is made for the exclusive use of the present owners of the Property, and also those who purchase, mortgage, or guarantee the title thereto, within one (1) year from date hereof.

Kenneth E Berke
SURVEYOR

WISCONSIN
KENNETH E. BERKE
S-107
BROOKFIELD WIS
LAND SURVEYOR

national survey & engineering
3470 north 127th street • p.o. box 444 • brookfield, wisconsin. 53005 • phone 414 / 781-1000

7633 N. Links Way
Fox Point

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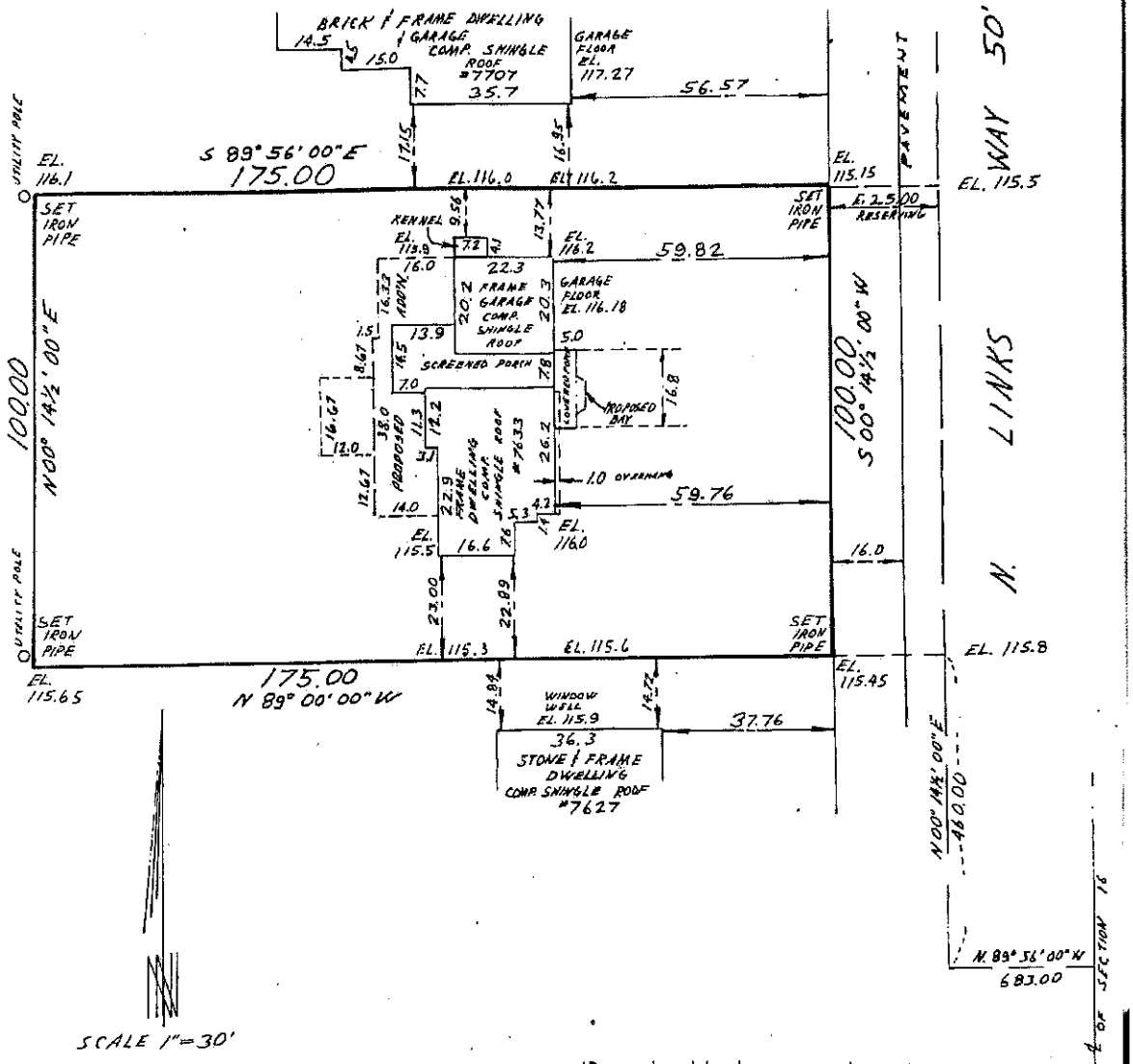

SCALE 1"=30'

I Certify that I have surveyed the above described property (Property), and the above map is a true representation thereof and shows the size and location of the Property, its exterior boundaries, the location and dimensions of all visible structures thereon, boundary fences, apparent easements and roadways and visible encroachments, if any.

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MINIMUM DESIGN LOADS: PER WISCONSIN SPS 320-325 / 2018 UDC / ASCE 7-05

NOTE: COMPONENTS HAVE BEEN CHECKED AGAINST DESIGN LOADS SHOWN & FOUND TO BE ACCEPTABLE STRUCTURALLY

DEAD LOADS:
1. ROOF: 6 PSF
2. WALLS: 6 PSF

SNOW LOADS: GROUND SNOW LOAD 30 PSF

WIND PRESSURE: 20 PSF

LIVE LOADS: ROOF: 30 PSF

DEFLECTION LIMITS:
1. ROOF: L/120
2. WALLS: L/175

THIS THERMALLY ISOLATED SUNROOM IS UNCONDITIONED AND NOT HABITABLE

NOTE: THE P.E. STAMP ON THESE DRAWINGS ADDRESS ONLY THE GDI MANUFACTURED COMPONENTS, & THE ANCHORAGE OF THESE COMPONENTS TO THE EXISTING STRUCTURE.

NOTES:
1. ALLVIEW (CA5) SUNROOM; WHITE IN COLOR
2. CONSTRUCT SUNROOM ON EXISTING DECK
3. ELECTRICAL BY GDI
4. CONCRETE
   A) CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
   B) ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. EXTERIOR FLOORS AND EXPOSED CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4500 PSI AND 5% TO 7% AIR ENTRAINMENT.
5. WOOD
   A) MATERIALS - FRAMING LUMBER
      i) WOOD POSTS: NO. 2 GRADE (OR BETTER) SOUTHERN PINE OR DOUGLAS FIR
      ii) 2x8, 2x10, 2x12 NO. 2 GRADE (OR BETTER) SOUTHERN PINE OR DOUGLAS FIR
   B) WOOD MEMBERS SHALL BE PRESSURE-TREATED FOR THE FOLLOWING CONDITIONS:
      i) IN DIRECT CONTACT WITH THE GROUND
      ii) SILLS OR PLATES ON CONCRETE WITHIN 8" OF FINISHED GRADE
      iii) JOISTS AND SUBFLOORS WITHIN 18" OF FINISH GRADE AND BEAMS WITHIN 12" OF FINISH GRADE
      iv) EXPOSED EXTERIOR DECKS
   C) FASTENERS
      ALL FASTENERS AND HARDWARE USED TO CONNECT TO PRESSURE TREATED WOOD MEMBERS SHALL EITHER BE 304 OR 316 STAINLESS STEEL, OR HOT DIPPED GALVANIZED PER ASTM-A653 COATING DESIGNATION G-185 AND ASTM-A153
6. STRUCTURAL ALUMINUM
   A) ALL EXTRUSIONS SHALL BE COMMERCIAL GRADE ALUMINUM SUPPLIED BY GREAT DAY IMPROVEMENTS, LLC.
   B) ROOF PANELS SHALL BE 3" OR 6" THICK SUPER FOAM ROOF PANELS FACED WITH A 0.024" ALUMINUM SKIN TOP AND BOTTOM.
7. THIS SUNROOM IS CONSIDERED AS NON-CONDITIONED SPACE, EXEMPT FROM ENERGY REQUIREMENTS

GREAT DAY IMPROVEMENTS
PATIO ENCLOSURES, MILWAUKEE
De LIA RESIDENCE

SHEET #	DESCRIPTION
1	COVER
2	ELEVATION "B" WALL
3	ELEVATION "A" & "C" WALL
4	FLOOR PLAN
5	ROOF PLAN
6	SYSTEM DETAILS
7	SYSTEM DETAILS
8	SYSTEM DETAILS

THIS DRAWING IS PROPERTY OF GREAT DAY IMPROVEMENTS, LLC., AND DUPLICATION OF THIS DRAWING WITHOUT OUR EXPRESSED WRITTEN CONSENT IS PROHIBITED. ALL RIGHTS RESERVED.

DATE	7/9/24
DRAWN	MTS
SCALE	NTS
SHEET	1 OF 8

ELLIE De LIA
7633 NORTH LINKS WAY
FOX POINT, WI 53217
JOB #39712

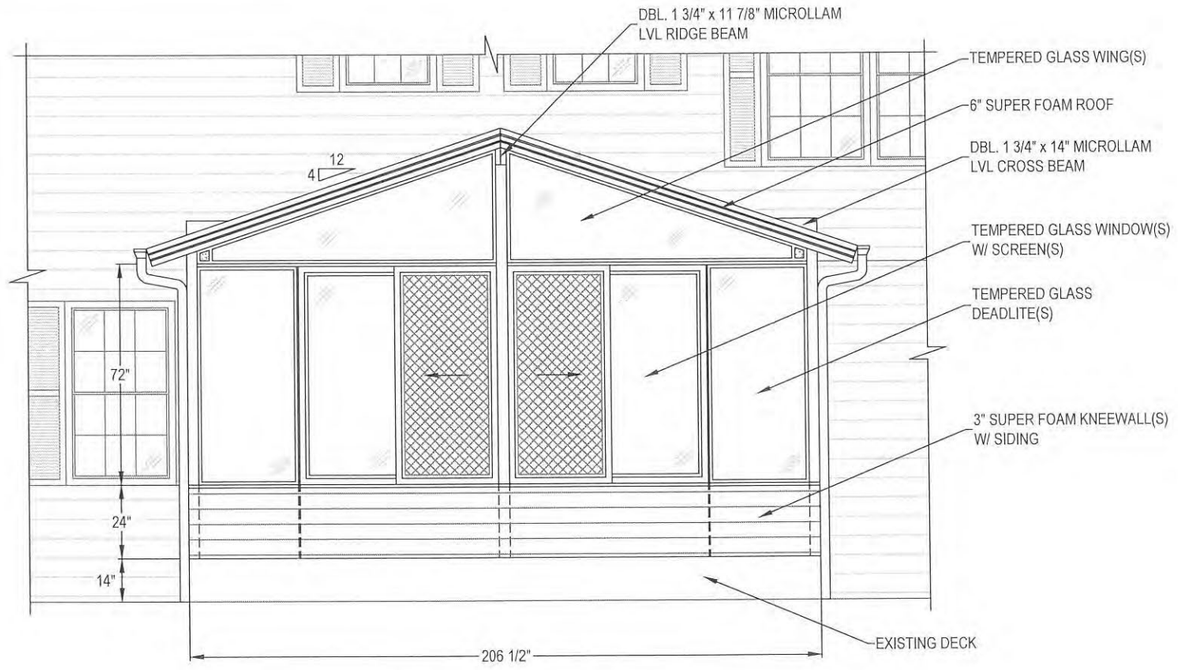
MILWAUKEE
W141N9296 FOUNTAIN BLVD
MENOMONEE FALLS, WI 53051
262-798-0500

Great Day Improvements

ERIC OETJEN, P.E., M. ENG.
WI. PROFESSIONAL ENGINEER
(WI. LIC. #100913-6)
5 GREENE STREET
FORT THOMAS, KY. 41075
PH. # 859-393-9049

WISCONSIN
ERIC OETJEN
E-100913
FT THOMAS
KY
PROFESSIONAL ENGINEER

07-14-2024



ELEVATION - "B" WALL

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DATE	7/9/24
DRAWN	MTS
SCALE	1/4" = 1'-0"
SHEET	2 OF 8

ELLIE De LIA
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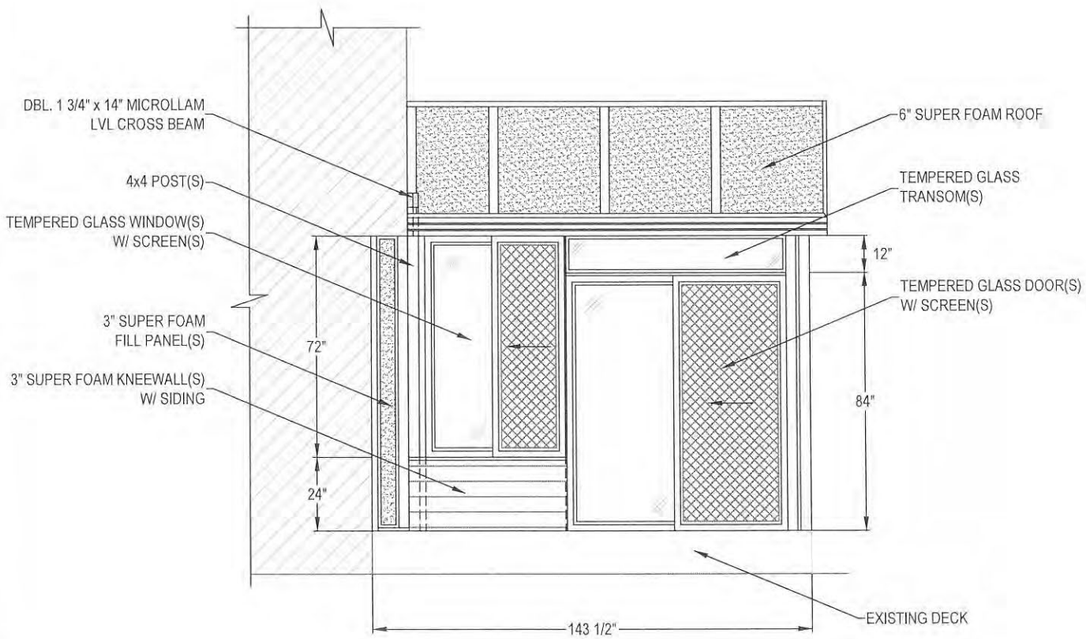
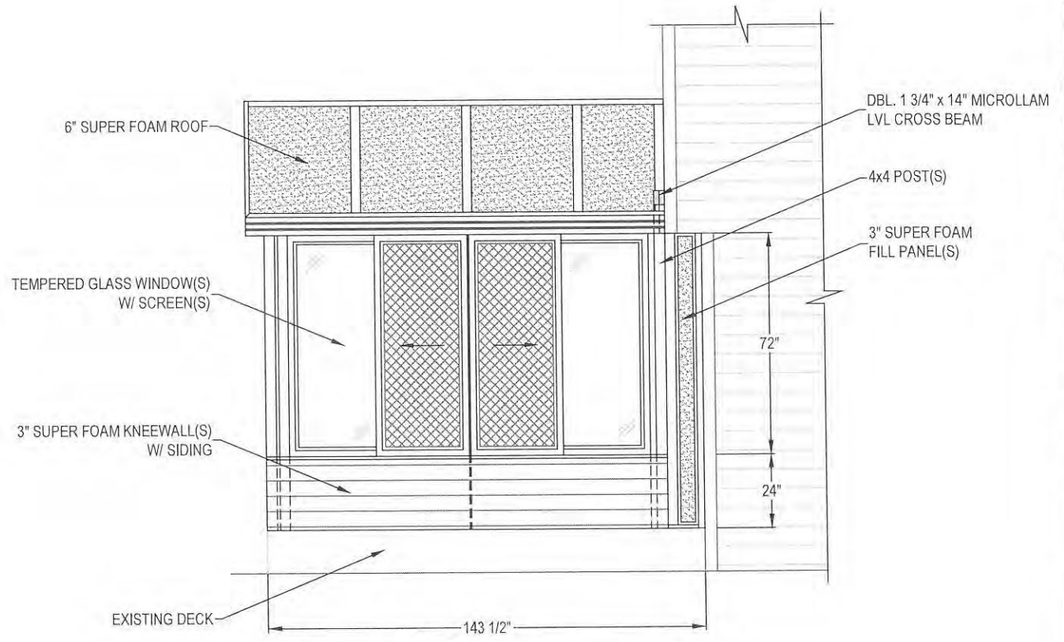


ELEVATION - "A" WALL



ELEVATION - "C" WALL

DATE	7/9/24
DRAWN	MTS
SCALE	1/4" = 1'-0"
SHEET	3 OF 8

ELLIE De LIA
7633 NORTH LINKS WAY
FOX POINT, WI 53217
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MILWAUKEE
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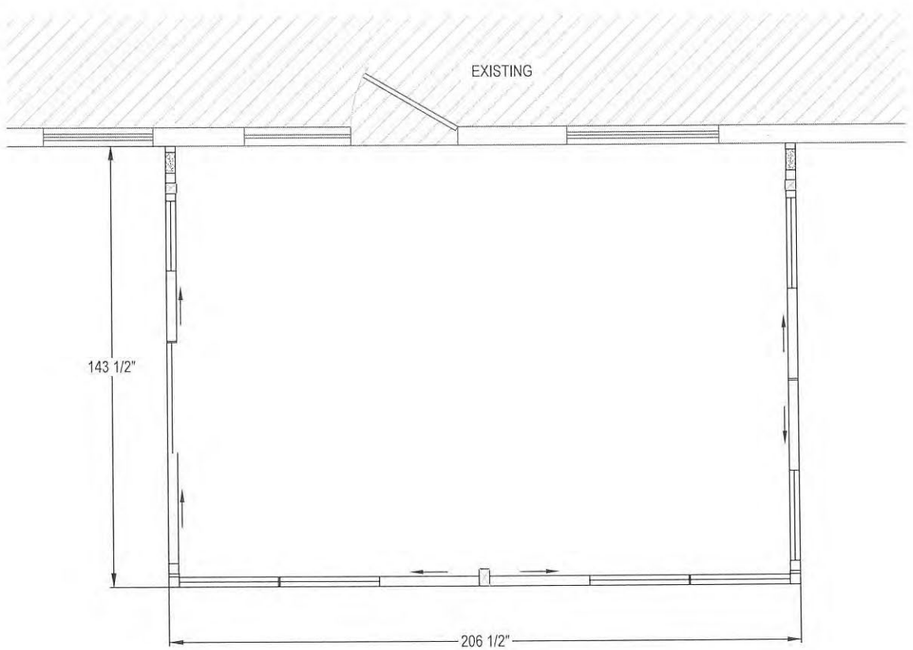

FLOOR PLAN

DATE 7/9/24	-
DRAWN MTS	-
SCALE 1/4" = 1'-0"	-
SHEET 4 OF 8	-

ELLIE De LIA
7633 NORTH LINKS WAY
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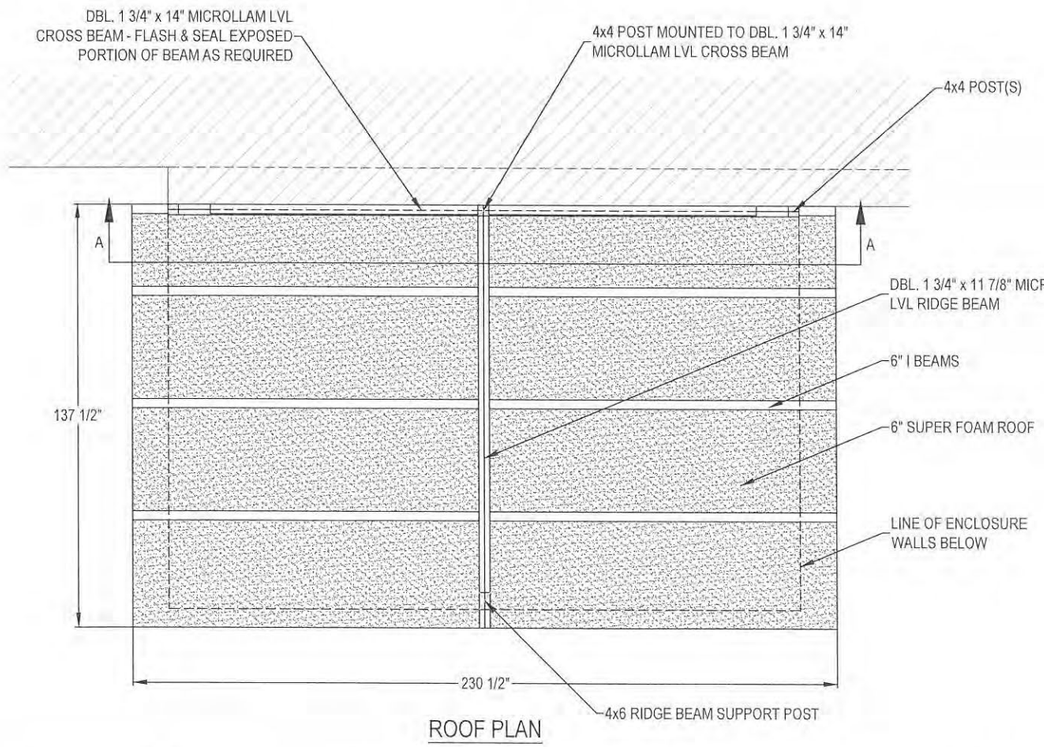
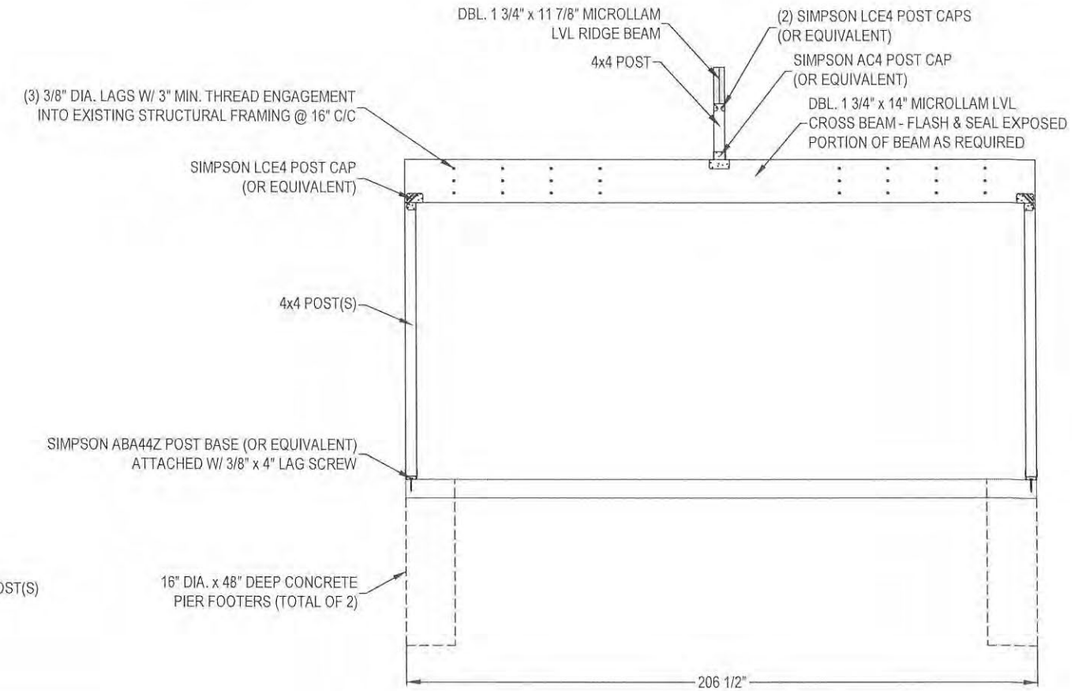


ROOF PLAN



SECTION A-A

DATE	7/9/24
DRAWN	MTS
SCALE	1/4" = 1'-0"
SHEET	5 OF 8

ELLIE De LIA
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FOX POINT, WI 53217
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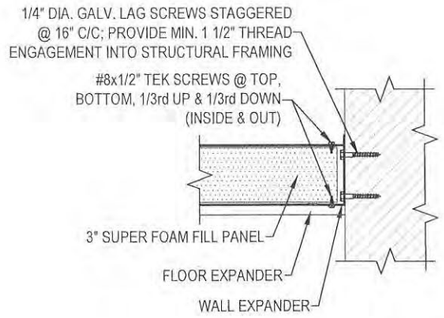
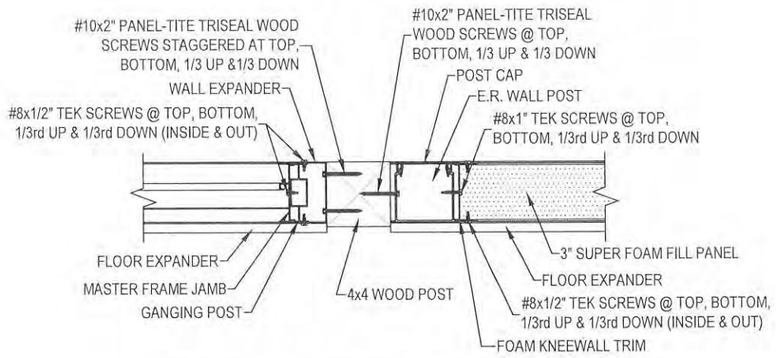
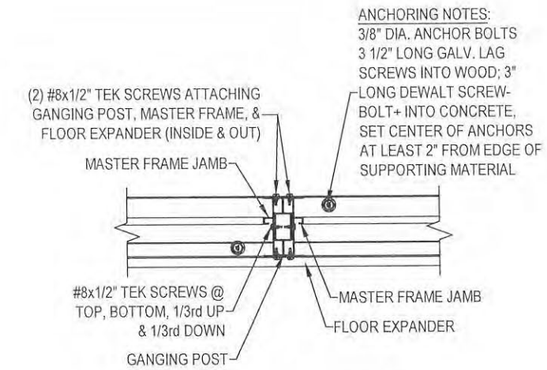


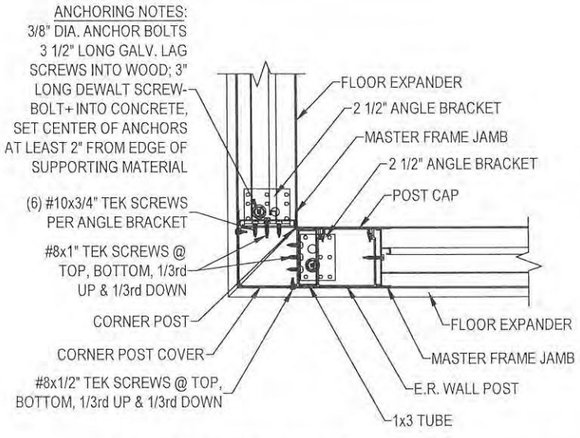
PLAN VIEW OF SUPER FOAM FILL PANEL
CONNECTION @ EXISTING WALL



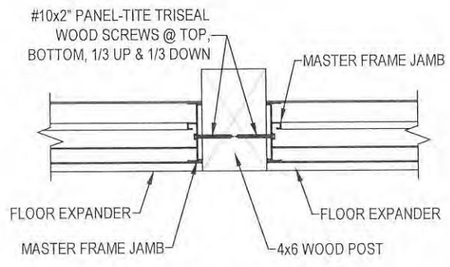
PLAN VIEW OF MASTER FRAME JAMB, SUPER FOAM FILL
PANEL, & E.R. WALL POST CONNECTION @ 4x4 WOOD POST



PLAN VIEW OF MASTER FRAME JAMBS
CONNECTION @ GANGING POST



PLAN VIEW OF MASTER FRAME JAMBS & E.R.
WALL POST CONNECTION @ CORNER POST



PLAN VIEW OF MASTER FRAME JAMBS
CONNECTION @ 4x6 WOOD POST

WISCONSIN
ERIC OETJEN
E-100913
FT THOMAS KY
PROFESSIONAL ENGINEER
07-14-2024

DATE	7/9/24
DRAWN	MTS
SCALE	1 1/2" = 1'-0"
SHEET	6 OF 8

ELLIE De LIA
7633 NORTH LINKS WAY
FOX POINT, WI 53217
JOB #39712

MILWAUKEE
W141N9296 FOUNTAIN BLVD
MENOMONEE FALLS, WI 53051
262-798-0500

Great Day Improvements

ERIC OETJEN, P.E., M. ENG.
WI. PROFESSIONAL ENGINEER
(WI. LIC. #100913-6)
5 GREENE STREET
FORT THOMAS, KY. 41075
PH. # 859-393-9049

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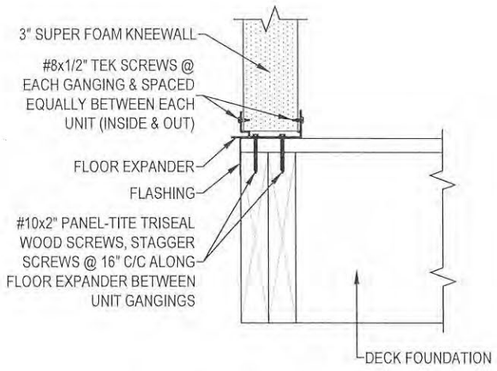
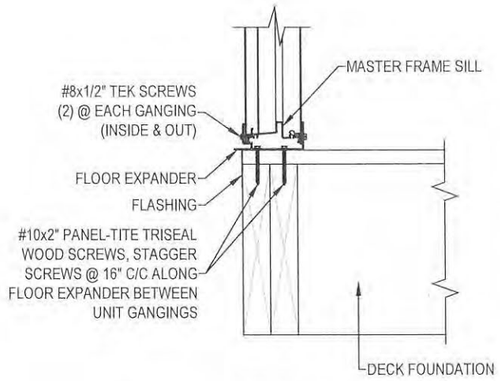
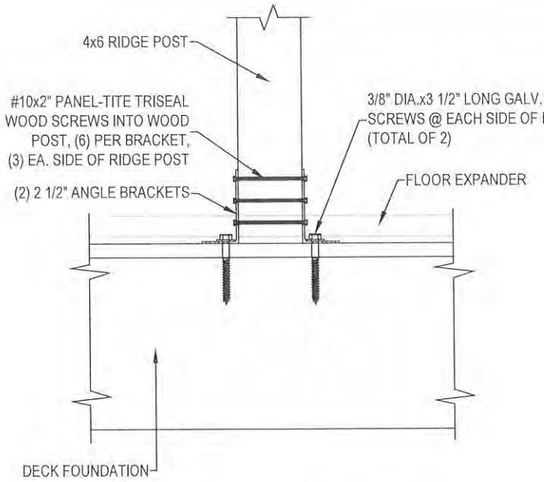


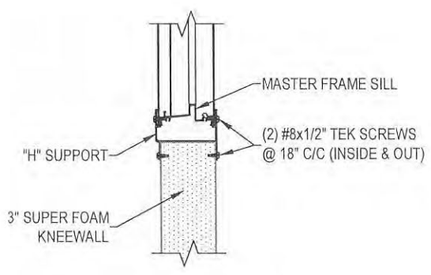
SECTION THROUGH FOAM KNEEWALL
CONNECTION @ DECK FOUNDATION



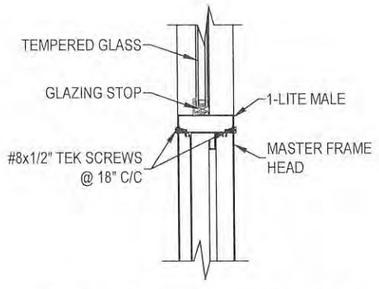
SECTION THROUGH MASTER FRAME SILL
CONNECTION @ DECK FOUNDATION



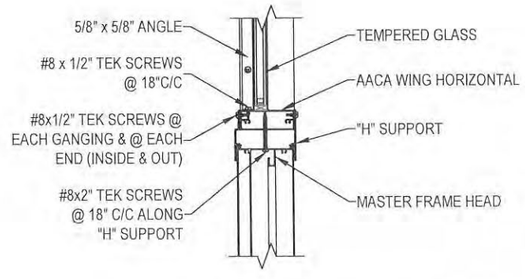
FRONT VIEW THROUGH 4x6 RIDGE POST
CONNECTION @ DECK FOUNDATION



SECTION THROUGH MASTER FRAME SILL
CONNECTION @ FOAM KNEEWALL



SECTION THROUGH MASTER FRAME HEAD
CONNECTION @ GLASS TRANSOM



SECTION THROUGH "H" & MASTER FRAME
HEAD CONNECTION @ GLASS WING

WISCONSIN
ERIC OETJEN
E-100913
FT THOMAS
KY
PROFESSIONAL ENGINEER
07-14-2024

DATE	7/9/24
DRAWN	MTS
SCALE	1 1/2" = 1'-0"
SHEET	7 OF 8

ELLIE De LIA
7633 NORTH LINKS WAY
FOX POINT, WI 53217
JOB #39712

MILWAUKEE
W141N9296 FOUNTAIN BLVD
MENOMONEE FALLS, WI 53051
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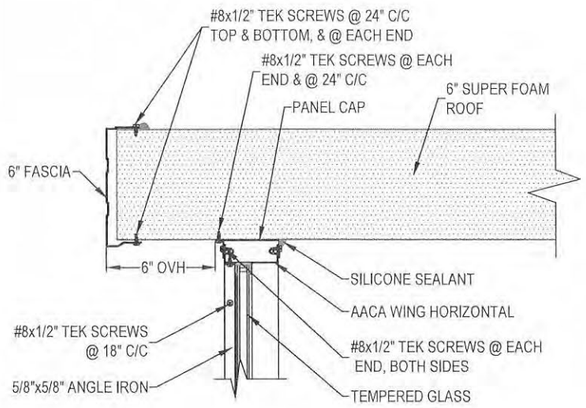
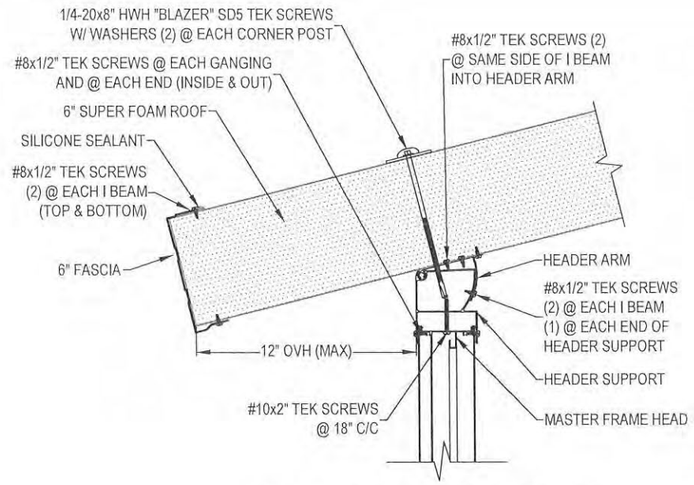
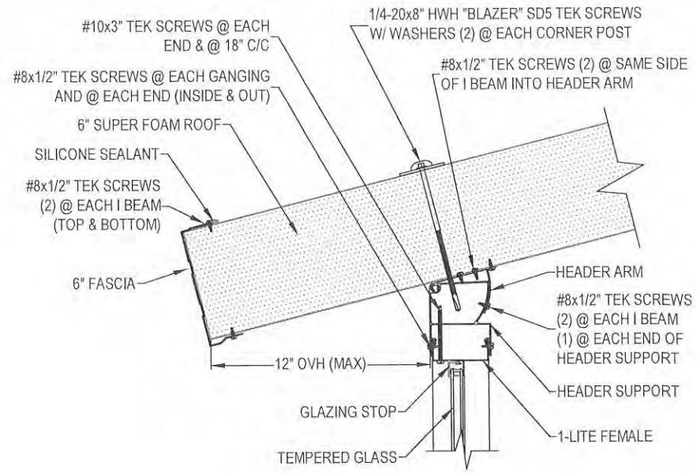


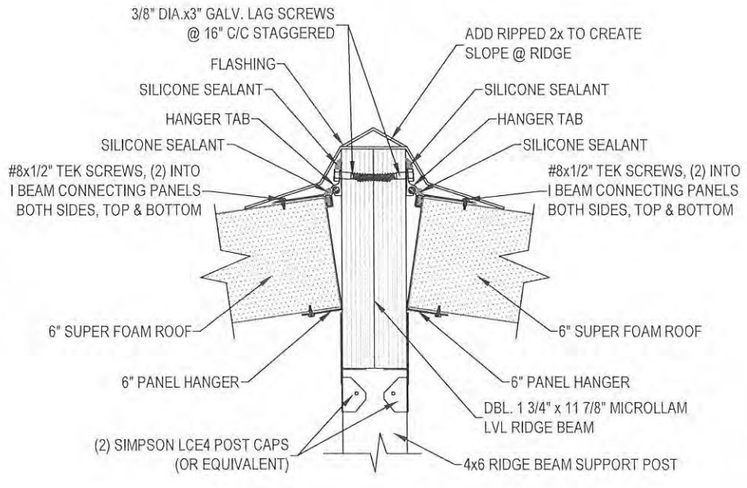
SECTION THROUGH 6" SUPER FOAM ROOF
PANEL CONNECTION @ GLASS WING



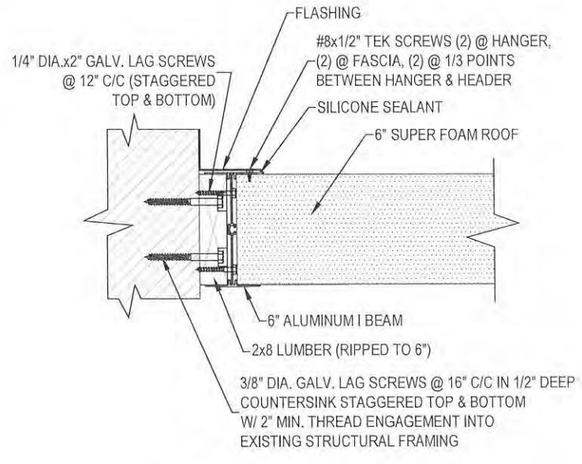
SECTION THROUGH MASTER FRAME & HEADER
CONNECTION @ 6" SUPER FOAM ROOF



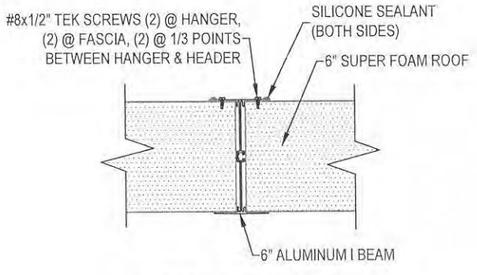
SECTION THROUGH TRANSOM & HEADER
CONNECTION @ 6" SUPER FOAM ROOF



SECTION THROUGH 6" SUPER FOAM ROOF & PANEL
HANGER ASSEMBLY CONNECTION @ RIDGE BEAM



6" ROOF PANEL & I BEAM
CONNECTION @ EXISTING WALL



SECTION THROUGH 6" ROOF
CONNECTION @ I BEAM

DATE 7/9/24	-
DRAWN MTS	-
SCALE 1 1/2" = 1'-0"	-
SHEET 8 OF 8	-

ELLIE De LIA
7633 NORTH LINKS WAY
FOX POINT, WI 53217
JOB #39712

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WISCONSIN
ERIC OETJEN
E-100913
FT THOMAS
KY
PROFESSIONAL ENGINEER
07-14-2024

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MINIMUM DESIGN LOADS: PER WISCONSIN SPS 320-325 / 2018 UDC / ASCE 7-05

NOTE: COMPONENTS HAVE BEEN CHECKED AGAINST DESIGN LOADS SHOWN & FOUND TO BE ACCEPTABLE STRUCTURALLY

DEAD LOADS:
1. ROOF: 6 PSF
2. WALLS: 6 PSF

SNOW LOADS: GROUND SNOW LOAD 30 PSF

WIND PRESSURE: 20 PSF

LIVE LOADS: ROOF: 30 PSF

DEFLECTION LIMITS:
1. ROOF: L/120
2. WALLS: L/175

THIS THERMALLY ISOLATED SUNROOM IS UNCONDITIONED AND NOT HABITABLE

NOTE: THE P.E. STAMP ON THESE DRAWINGS ADDRESS ONLY THE GDI MANUFACTURED COMPONENTS, & THE ANCHORAGE OF THESE COMPONENTS TO THE EXISTING STRUCTURE.

NOTES:
1. ALLVIEW (CA5) SUNROOM; WHITE IN COLOR
2. CONSTRUCT SUNROOM ON EXISTING DECK
3. ELECTRICAL BY GDI
4. CONCRETE
   A) CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
   B) ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. EXTERIOR FLOORS AND EXPOSED CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4500 PSI AND 5% TO 7% AIR ENTRAINMENT.
5. WOOD
   A) MATERIALS - FRAMING LUMBER
      i) WOOD POSTS: NO. 2 GRADE (OR BETTER) SOUTHERN PINE OR DOUGLAS FIR
      ii) 2x8, 2x10, 2x12 NO. 2 GRADE (OR BETTER) SOUTHERN PINE OR DOUGLAS FIR
   B) WOOD MEMBERS SHALL BE PRESSURE-TREATED FOR THE FOLLOWING CONDITIONS:
      i) IN DIRECT CONTACT WITH THE GROUND
      ii) SILLS OR PLATES ON CONCRETE WITHIN 8" OF FINISHED GRADE
      iii) JOISTS AND SUBFLOORS WITHIN 18" OF FINISH GRADE AND BEAMS WITHIN 12" OF FINISH GRADE
      iv) EXPOSED EXTERIOR DECKS
   C) FASTENERS
      ALL FASTENERS AND HARDWARE USED TO CONNECT TO PRESSURE TREATED WOOD MEMBERS SHALL EITHER BE 304 OR 316 STAINLESS STEEL, OR HOT DIPPED GALVANIZED PER ASTM-A653 COATING DESIGNATION G-185 AND ASTM-A153
6. STRUCTURAL ALUMINUM
   A) ALL EXTRUSIONS SHALL BE COMMERCIAL GRADE ALUMINUM SUPPLIED BY GREAT DAY IMPROVEMENTS, LLC.
   B) ROOF PANELS SHALL BE 3" OR 6" THICK SUPER FOAM ROOF PANELS FACED WITH A 0.024" ALUMINUM SKIN TOP AND BOTTOM.
7. THIS SUNROOM IS CONSIDERED AS NON-CONDITIONED SPACE, EXEMPT FROM ENERGY REQUIREMENTS

GREAT DAY IMPROVEMENTS
PATIO ENCLOSURES, MILWAUKEE
De LIA RESIDENCE

SHEET #	DESCRIPTION
1	COVER
2	ELEVATION "B" WALL
3	ELEVATION "A" & "C" WALL
4	FLOOR PLAN
5	ROOF PLAN
6	SYSTEM DETAILS
7	SYSTEM DETAILS
8	SYSTEM DETAILS

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DATE	7/9/24
DRAWN	MTS
SCALE	NTS
SHEET	1 OF 8

ELLIE De LIA
7633 NORTH LINKS WAY
FOX POINT, WI 53217
JOB #39712

MILWAUKEE
W141N9296 FOUNTAIN BLVD
MENOMONEE FALLS, WI 53051
262-798-0500

Great Day Improvements

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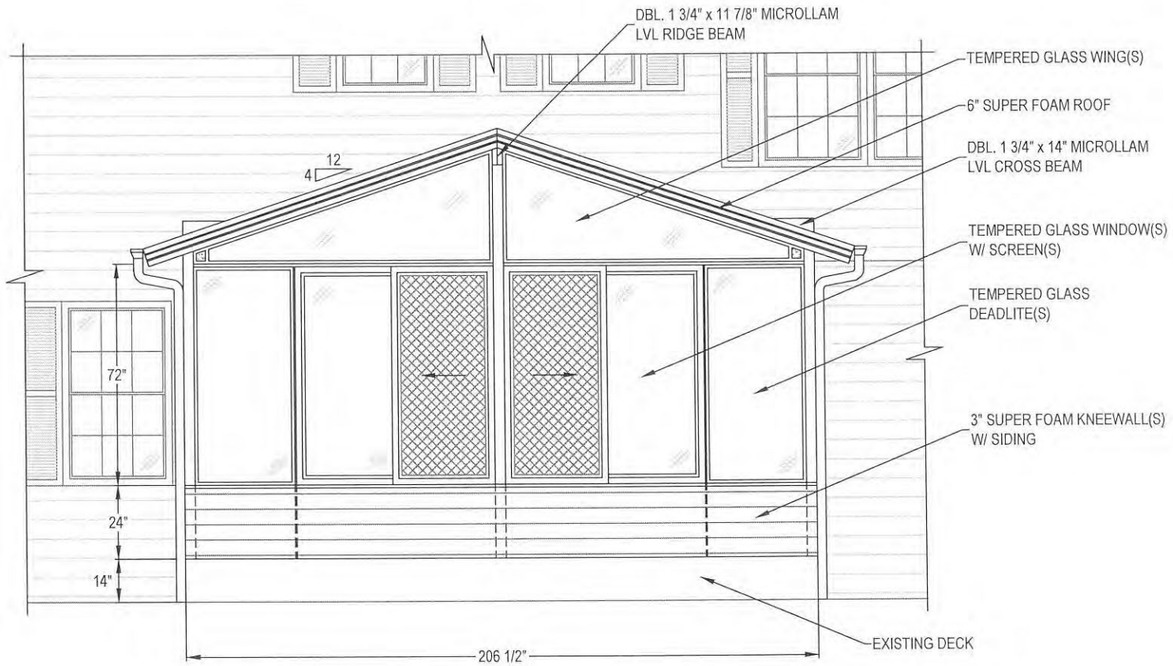
WISCONSIN
ERIC OETJEN
E-100913
FT THOMAS
KY
PROFESSIONAL ENGINEER

07-14-2024



ELEVATION - "B" WALL

DATE	7/9/24
DRAWN	MTS
SCALE	1/4" = 1'-0"
SHEET	2 OF 8

ELLIE De LIA
7633 NORTH LINKS WAY
FOX POINT, WI 53217
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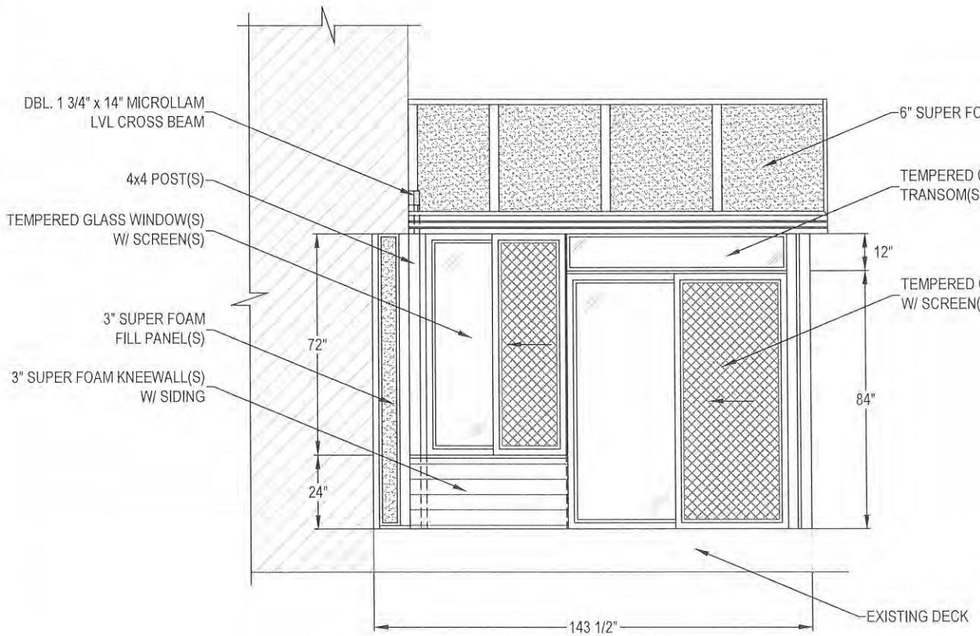
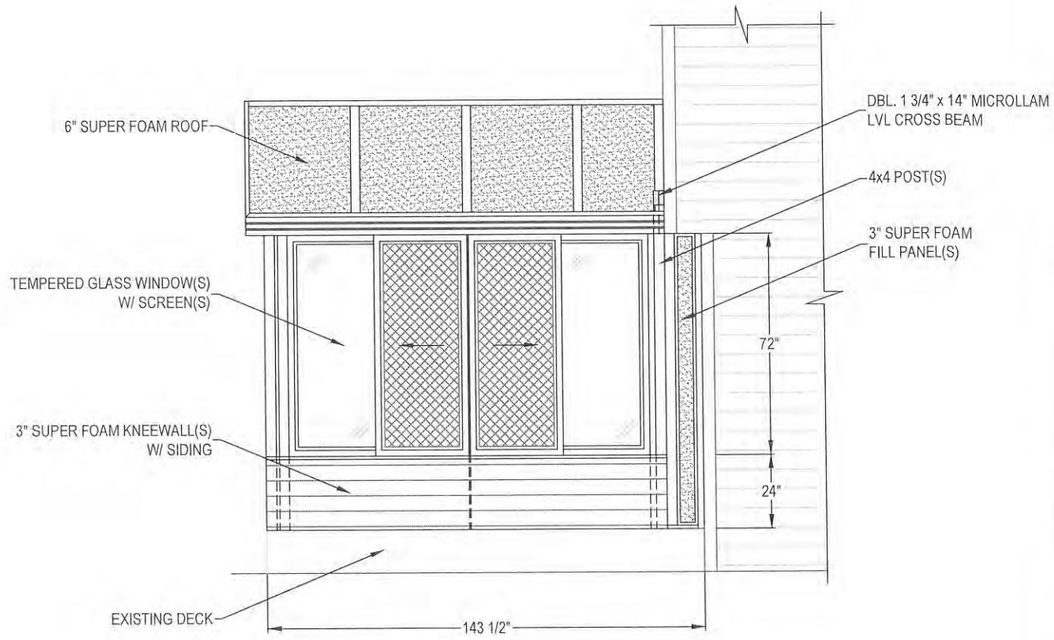


ELEVATION - "A" WALL



ELEVATION - "C" WALL

DATE	7/9/24
DRAWN	MTS
SCALE	1/4" = 1'-0"
SHEET	3 OF 8

ELLIE De LIA
7633 NORTH LINKS WAY
FOX POINT, WI 53217
JOB #39712

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Great Day Improvements

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WISCONSIN
ERIC OETJEN
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FT THOMAS KY
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07-14-2024

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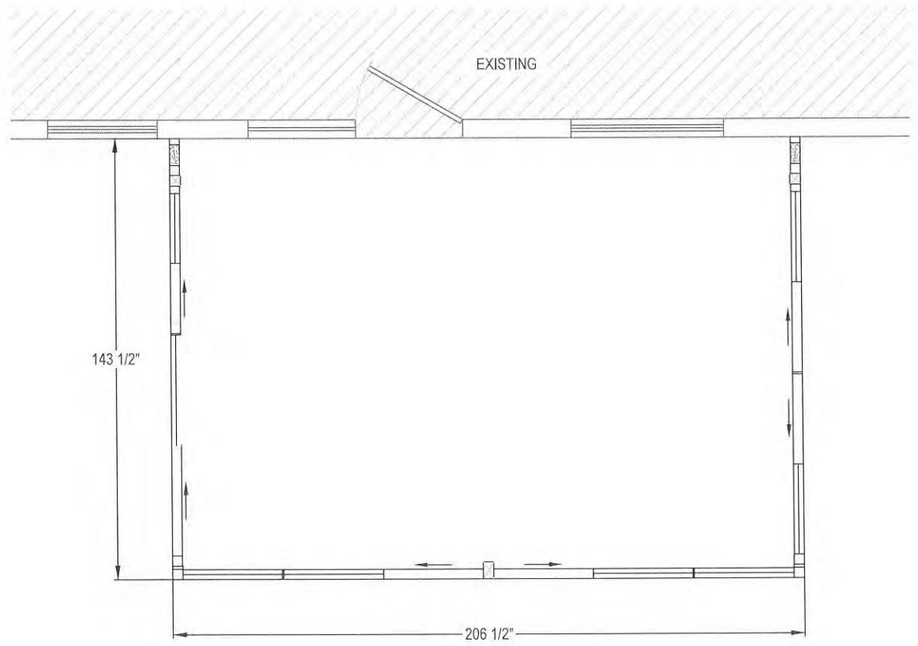

FLOOR PLAN

DATE	7/9/24
DRAWN	MTS
SCALE	1/4" = 1'-0"
SHEET	4 OF 8

-	ELLIE De LIA 7633 NORTH LINKS WAY FOX POINT, WI 53217 JOB #39712	MILWAUKEE W141N9296 FOUNTAIN BLVD MENOMONEE FALLS, WI 53051 262-798-0500	Great Day Improvements	ERIC OETJEN, P.E., M. ENG. WI. PROFESSIONAL ENGINEER (WI. LIC. #100913-6) 5 GREENE STREET FORT THOMAS, KY. 41075 PH. # 859-393-9049
-				
-				
-				

WISCONSIN
ERIC OETJEN
E-100913
FT THOMAS
KY
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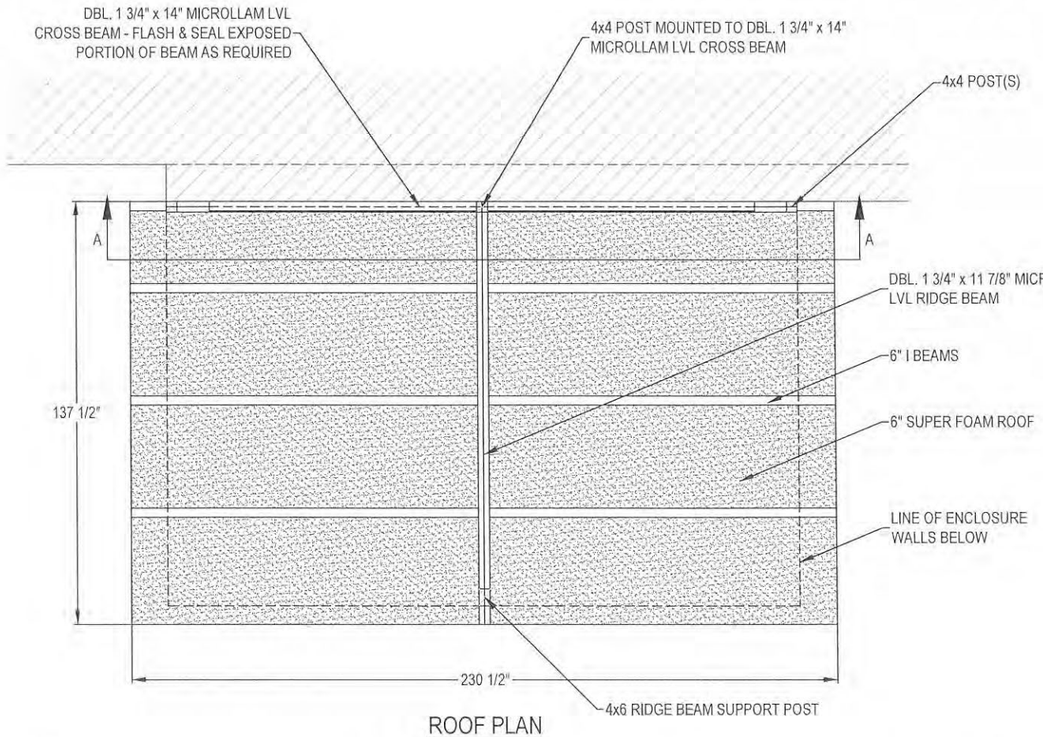
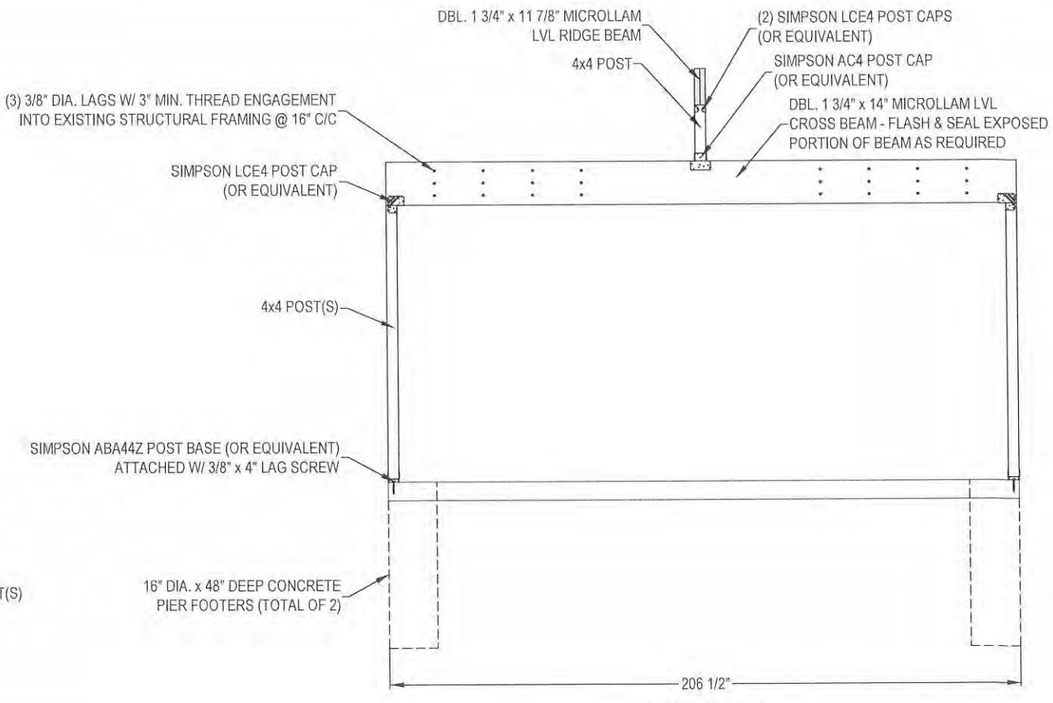


ROOF PLAN



SECTION A-A

DATE	7/9/24
DRAWN	MTS
SCALE	1/4" = 1'-0"
SHEET	5 OF 8

ELLIE De LIA
7633 NORTH LINKS WAY
FOX POINT, WI 53217
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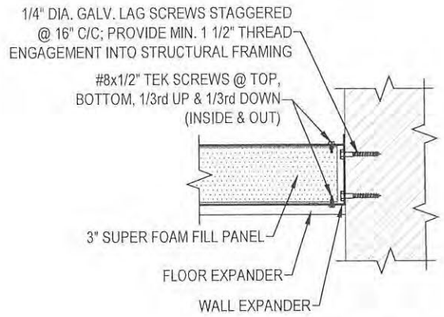
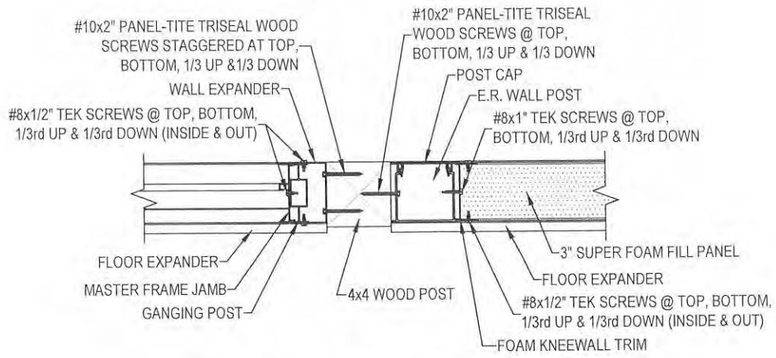
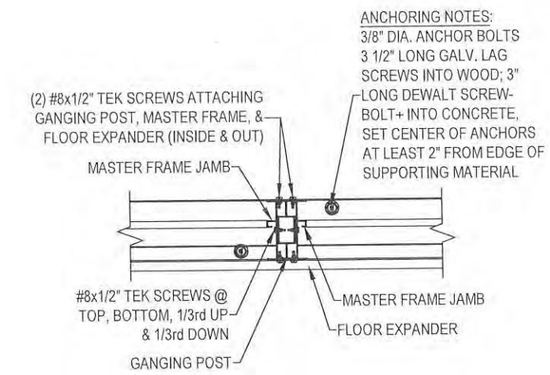


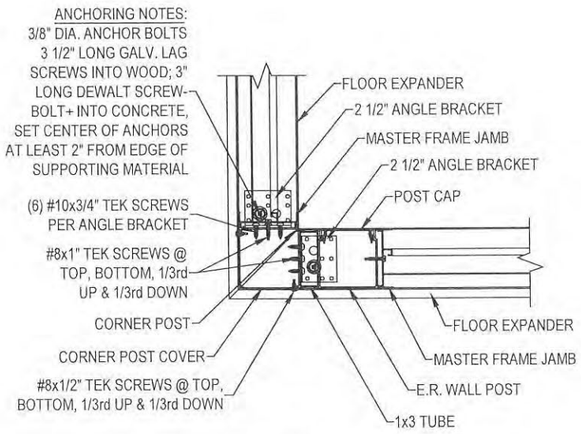
PLAN VIEW OF SUPER FOAM FILL PANEL
CONNECTION @ EXISTING WALL



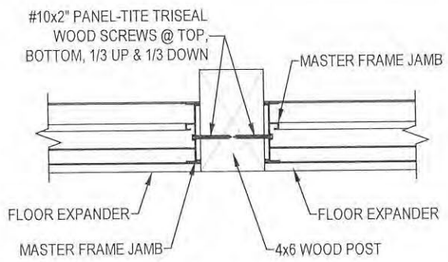
PLAN VIEW OF MASTER FRAME JAMB, SUPER FOAM FILL
PANEL, & E.R. WALL POST CONNECTION @ 4x4 WOOD POST



PLAN VIEW OF MASTER FRAME JAMBS
CONNECTION @ GANGING POST



PLAN VIEW OF MASTER FRAME JAMBS & E.R.
WALL POST CONNECTION @ CORNER POST



PLAN VIEW OF MASTER FRAME JAMBS
CONNECTION @ 4x6 WOOD POST

WISCONSIN
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E-100913
FT THOMAS
KY
PROFESSIONAL ENGINEER
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DATE	7/9/24
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SHEET	6 OF 8

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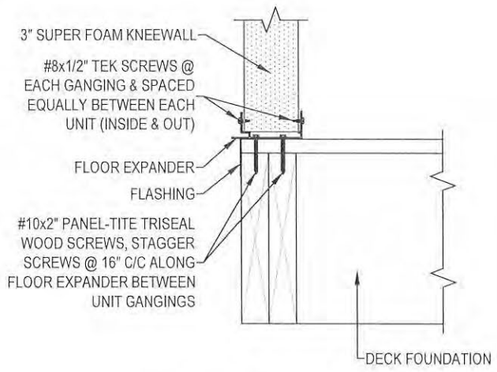
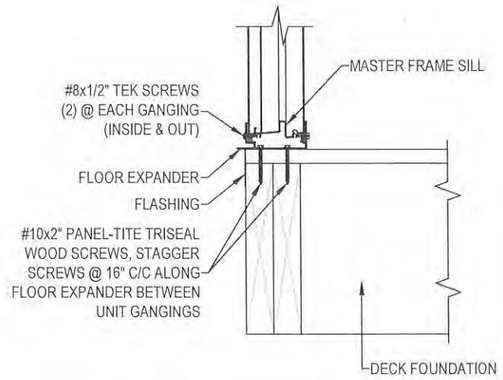
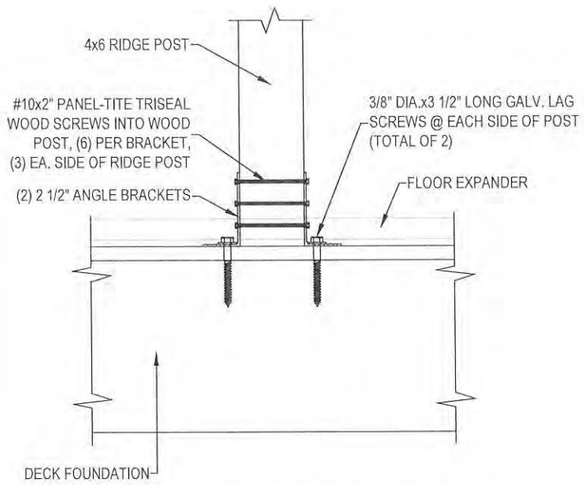


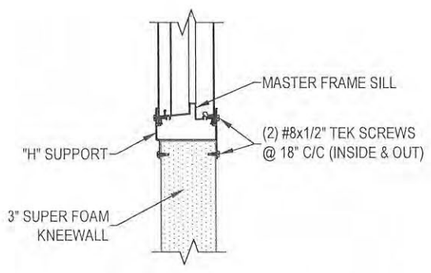
SECTION THROUGH FOAM KNEEWALL
CONNECTION @ DECK FOUNDATION



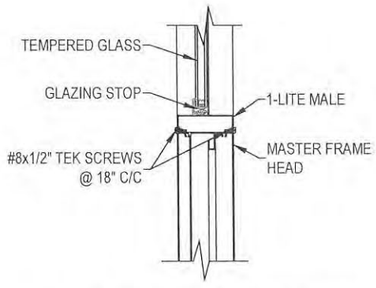
SECTION THROUGH MASTER FRAME SILL
CONNECTION @ DECK FOUNDATION



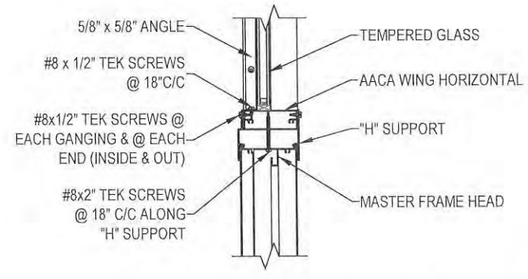
FRONT VIEW THROUGH 4x6 RIDGE POST
CONNECTION @ DECK FOUNDATION



SECTION THROUGH MASTER FRAME SILL
CONNECTION @ FOAM KNEEWALL



SECTION THROUGH MASTER FRAME HEAD
CONNECTION @ GLASS TRANSOM



SECTION THROUGH "H" & MASTER FRAME
HEAD CONNECTION @ GLASS WING

WISCONSIN
ERIC OETJEN
E-100913
FT THOMAS KY
PROFESSIONAL ENGINEER
07-14-2024

DATE	7/9/24
DRAWN	MTS
SCALE	1 1/2" = 1'-0"
SHEET	7 OF 8

ELLIE De LIA
7633 NORTH LINKS WAY
FOX POINT, WI 53217
JOB #39712

MILWAUKEE
W141N9296 FOUNTAIN BLVD
MENOMONEE FALLS, WI 53051
262-798-0500

Great Day Improvements

ERIC OETJEN, P.E., M. ENG.
WI. PROFESSIONAL ENGINEER
(WI. LIC. #100913-6)
5 GREENE STREET
FORT THOMAS, KY. 41075
PH. # 859-393-9049

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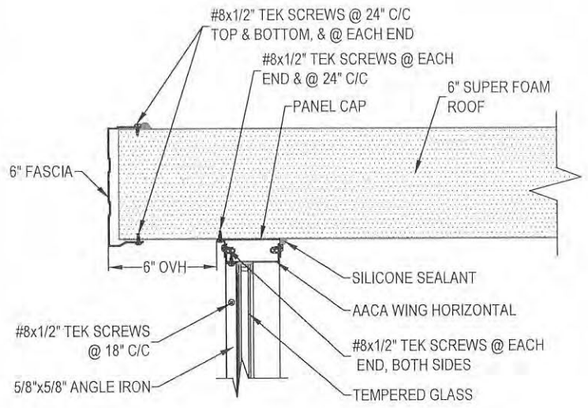
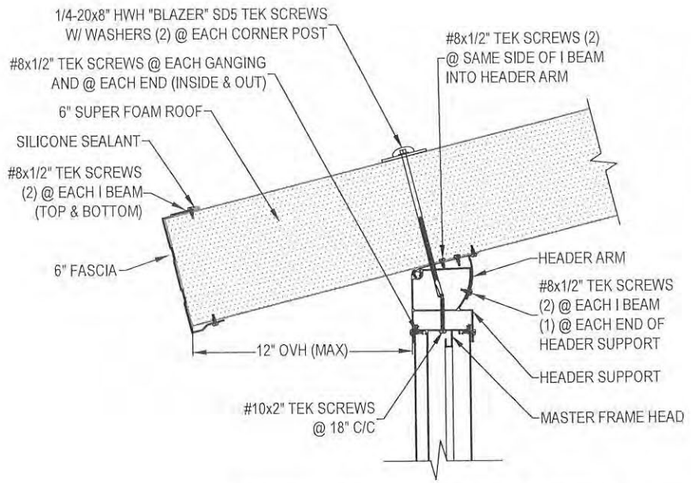
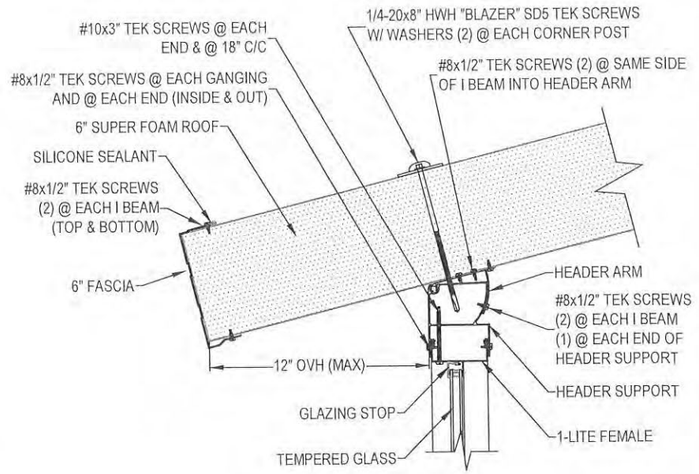


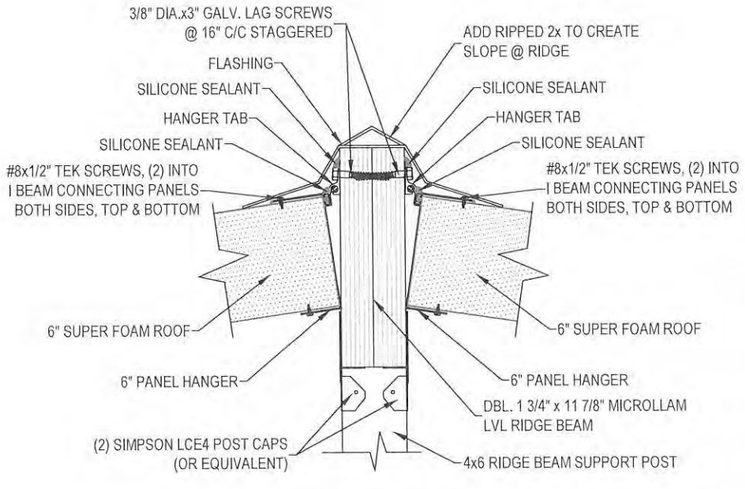
SECTION THROUGH 6" SUPER FOAM ROOF
PANEL CONNECTION @ GLASS WING



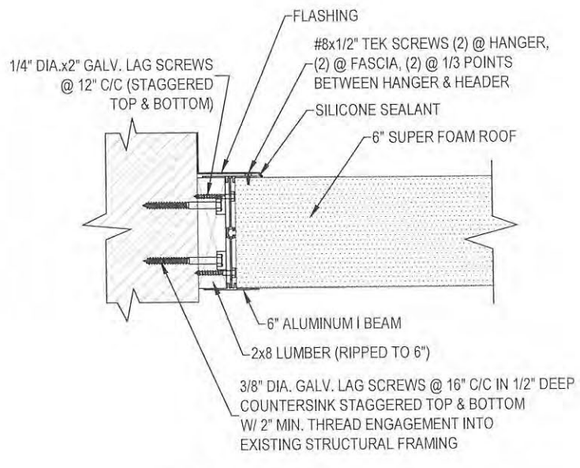
SECTION THROUGH MASTER FRAME & HEADER
CONNECTION @ 6" SUPER FOAM ROOF



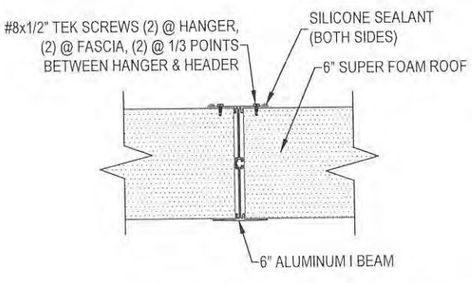
SECTION THROUGH TRANSOM & HEADER
CONNECTION @ 6" SUPER FOAM ROOF



SECTION THROUGH 6" SUPER FOAM ROOF & PANEL
HANGER ASSEMBLY CONNECTION @ RIDGE BEAM



6" ROOF PANEL & I BEAM
CONNECTION @ EXISTING WALL



SECTION THROUGH 6" ROOF
CONNECTION @ I BEAM

WISCONSIN
ERIC OETJEN
E-100913
FT THOMAS
KY
PROFESSIONAL ENGINEER
07-14-2024

DATE 7/9/24	-
DRAWN MTS	-
SCALE 1 1/2" = 1'-0"	-
SHEET 8 OF 8	-

ELLIE De LIA
7633 NORTH LINKS WAY
FOX POINT, WI 53217
JOB #39712

MILWAUKEE
W141N9296 FOUNTAIN BLVD
MENOMONEE FALLS, WI 53051
262-798-0500

Great Day Improvements

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MINIMUM DESIGN LOADS: PER WISCONSIN SPS 320-325 / 2018 UDC / ASCE 7-05

NOTE: COMPONENTS HAVE BEEN CHECKED AGAINST DESIGN LOADS SHOWN & FOUND TO BE ACCEPTABLE STRUCTURALLY

DEAD LOADS:
1. ROOF: 6 PSF
2. WALLS: 6 PSF

SNOW LOADS: GROUND SNOW LOAD 30 PSF

WIND PRESSURE: 20 PSF

LIVE LOADS: ROOF: 30 PSF

DEFLECTION LIMITS:
1. ROOF: L/120
2. WALLS: L/175

THIS THERMALLY ISOLATED SUNROOM IS UNCONDITIONED AND NOT HABITABLE

NOTE: THE P.E. STAMP ON THESE DRAWINGS ADDRESS ONLY THE GDI MANUFACTURED COMPONENTS, & THE ANCHORAGE OF THESE COMPONENTS TO THE EXISTING STRUCTURE.

NOTES:
1. ALLVIEW (CA5) SUNROOM; WHITE IN COLOR
2. CONSTRUCT SUNROOM ON EXISTING DECK
3. ELECTRICAL BY GDI
4. CONCRETE
   A) CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
   B) ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. EXTERIOR FLOORS AND EXPOSED CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4500 PSI AND 5% TO 7% AIR ENTRAINMENT.
5. WOOD
   A) MATERIALS - FRAMING LUMBER
      i) WOOD POSTS: NO. 2 GRADE (OR BETTER) SOUTHERN PINE OR DOUGLAS FIR
      ii) 2x8, 2x10, 2x12 NO. 2 GRADE (OR BETTER) SOUTHERN PINE OR DOUGLAS FIR
   B) WOOD MEMBERS SHALL BE PRESSURE-TREATED FOR THE FOLLOWING CONDITIONS:
      i) IN DIRECT CONTACT WITH THE GROUND
      ii) SILLS OR PLATES ON CONCRETE WITHIN 8" OF FINISHED GRADE
      iii) JOISTS AND SUBFLOORS WITHIN 18" OF FINISH GRADE AND BEAMS WITHIN 12" OF FINISH GRADE
      iv) EXPOSED EXTERIOR DECKS
   C) FASTENERS
      ALL FASTENERS AND HARDWARE USED TO CONNECT TO PRESSURE TREATED WOOD MEMBERS SHALL EITHER BE 304 OR 316 STAINLESS STEEL, OR HOT DIPPED GALVANIZED PER ASTM-A653 COATING DESIGNATION G-185 AND ASTM-A153
6. STRUCTURAL ALUMINUM
   A) ALL EXTRUSIONS SHALL BE COMMERCIAL GRADE ALUMINUM SUPPLIED BY GREAT DAY IMPROVEMENTS, LLC.
   B) ROOF PANELS SHALL BE 3" OR 6" THICK SUPER FOAM ROOF PANELS FACED WITH A 0.024" ALUMINUM SKIN TOP AND BOTTOM.
7. THIS SUNROOM IS CONSIDERED AS NON-CONDITIONED SPACE, EXEMPT FROM ENERGY REQUIREMENTS

GREAT DAY IMPROVEMENTS
PATIO ENCLOSURES, MILWAUKEE
De LIA RESIDENCE

SHEET #	DESCRIPTION
1	COVER
2	ELEVATION "B" WALL
3	ELEVATION "A" & "C" WALL
4	FLOOR PLAN
5	ROOF PLAN
6	SYSTEM DETAILS
7	SYSTEM DETAILS
8	SYSTEM DETAILS

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DATE	7/9/24
DRAWN	MTS
SCALE	NTS
SHEET	1 OF 8

ELLIE De LIA
7633 NORTH LINKS WAY
FOX POINT, WI 53217
JOB #39712

MILWAUKEE
W141N9296 FOUNTAIN BLVD
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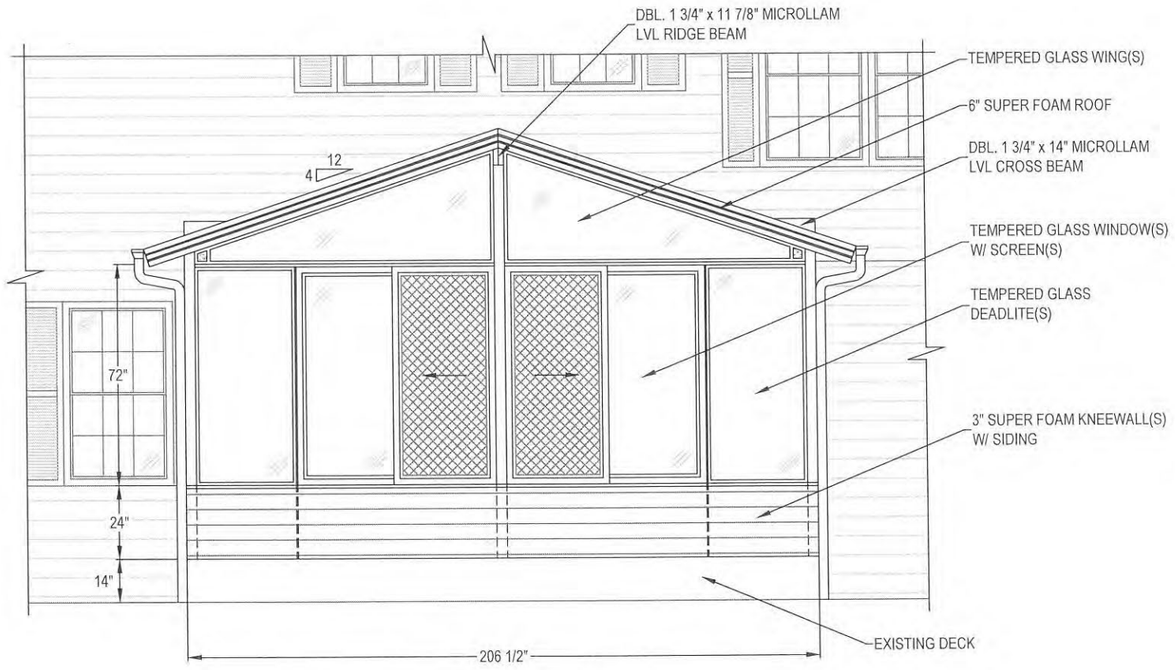
WISCONSIN
. ERIC OETJEN
E-100913
FT THOMAS
KY
PROFESSIONAL ENGINEER

07-14-2024



ELEVATION - "B" WALL

DATE	7/9/24
DRAWN	MTS
SCALE	1/4" = 1'-0"
SHEET	2 OF 8

ELLIE De LIA
7633 NORTH LINKS WAY
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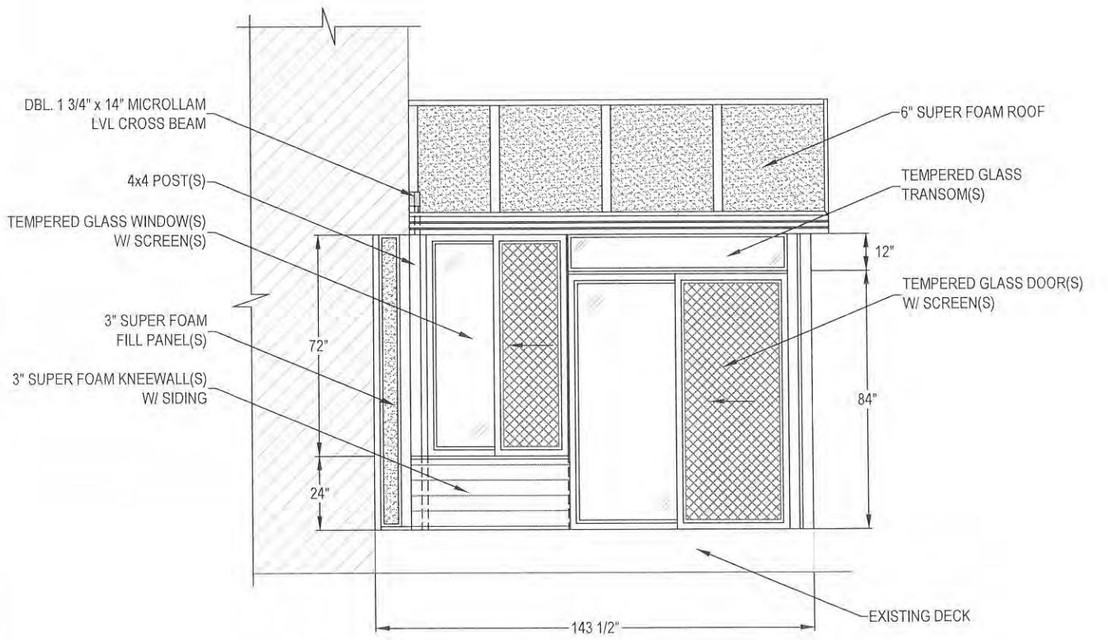
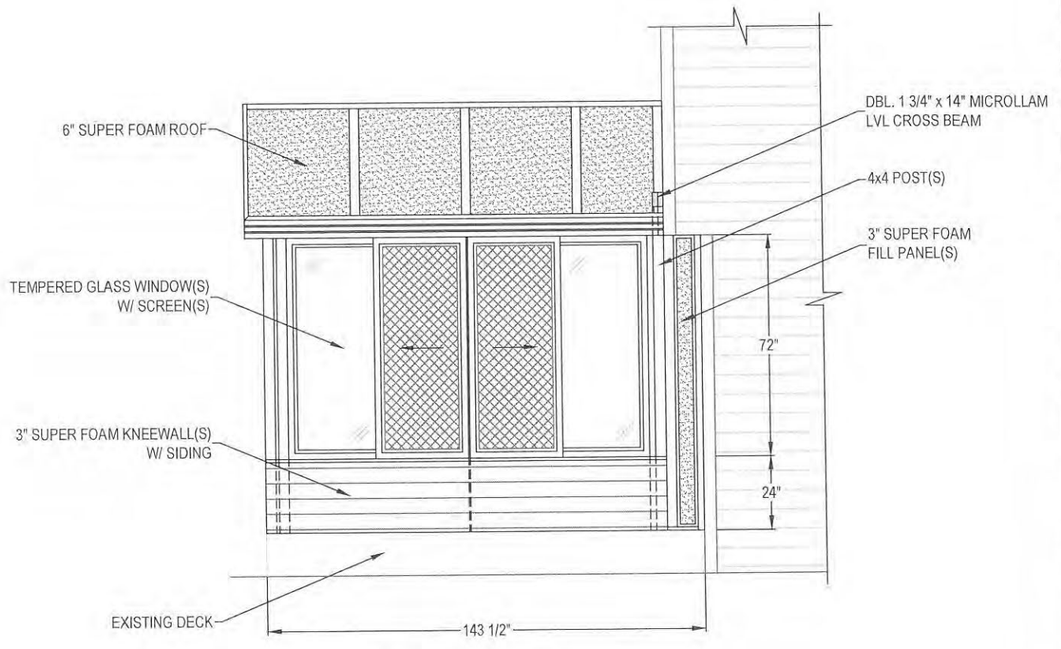


ELEVATION - "A" WALL



ELEVATION - "C" WALL

DATE 7/9/24	-	ELLIE De LIA 7633 NORTH LINKS WAY FOX POINT, WI 53217 JOB #39712	MILWAUKEE W141N9296 FOUNTAIN BLVD MENOMONEE FALLS, WI 53051 262-798-0500	Great Day Improvements	ERIC OETJEN, P.E., M. ENG. WI. PROFESSIONAL ENGINEER (WI. LIC. #100913-6) 5 GREENE STREET FORT THOMAS, KY. 41075 PH. # 859-393-9049
DRAWN MTS	-				
SCALE 1/4" = 1'-0"	-				
SHEET 3 OF 8	-				

WISCONSIN
ERIC OETJEN
E-100913
FT THOMAS
KY
PROFESSIONAL ENGINEER
07-14-2024

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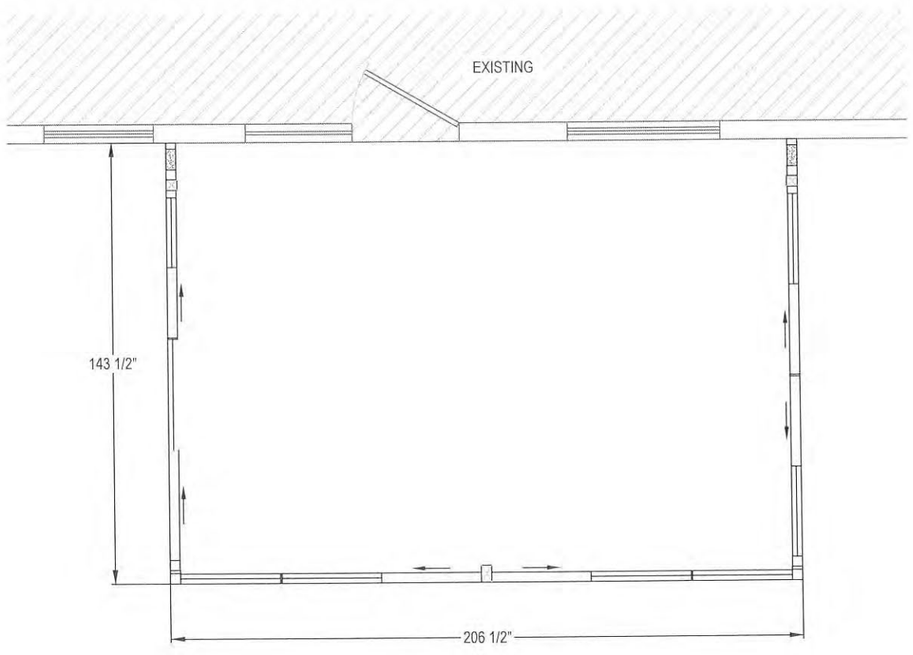

FLOOR PLAN

DATE	7/9/24
DRAWN	MTS
SCALE	1/4" = 1'-0"
SHEET	4 OF 8

ELLIE De LIA
7633 NORTH LINKS WAY
FOX POINT, WI 53217
JOB #39712

MILWAUKEE
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MENOMONEE FALLS, WI 53051
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Great Day Improvements

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WI. PROFESSIONAL ENGINEER
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WISCONSIN
ERIC OETJEN
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FT THOMAS KY
PROFESSIONAL ENGINEER
07-14-2024

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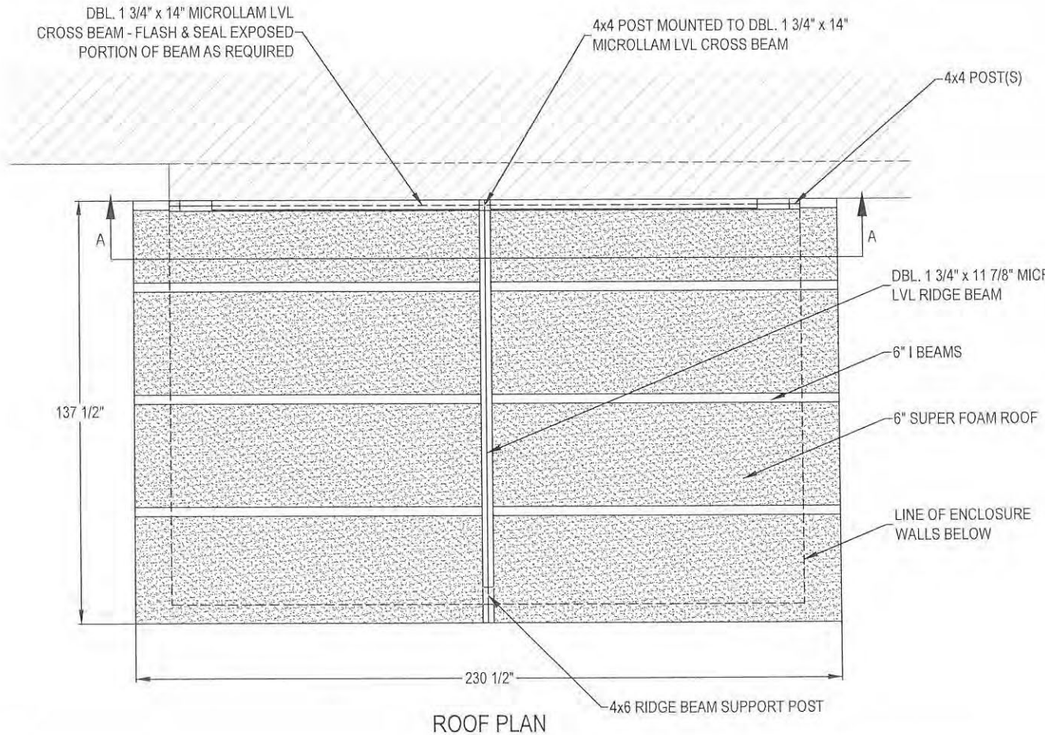
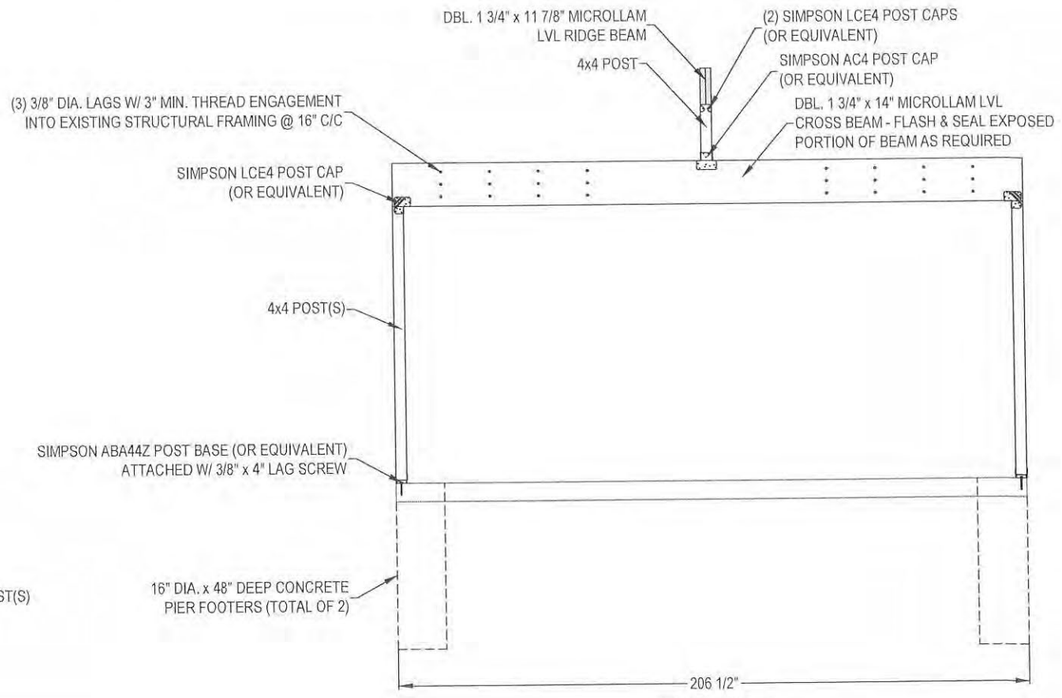


ROOF PLAN



SECTION A-A

DATE	7/9/24
DRAWN	MTS
SCALE	1/4" = 1'-0"
SHEET	5 OF 8

ELLIE De LIA
7633 NORTH LINKS WAY
FOX POINT, WI 53217
JOB #39712

MILWAUKEE
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Great Day Improvements

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WISCONSIN
ERIC OETJEN
E-100913
FT THOMAS
KY
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07-14-2024

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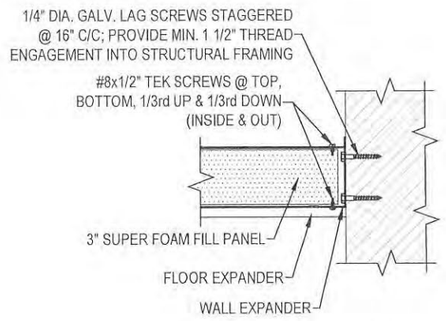
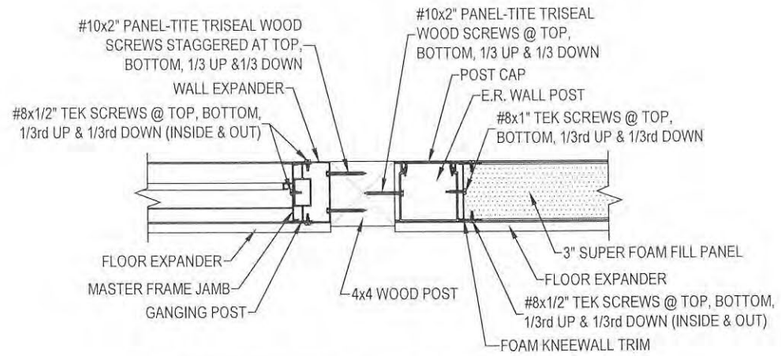
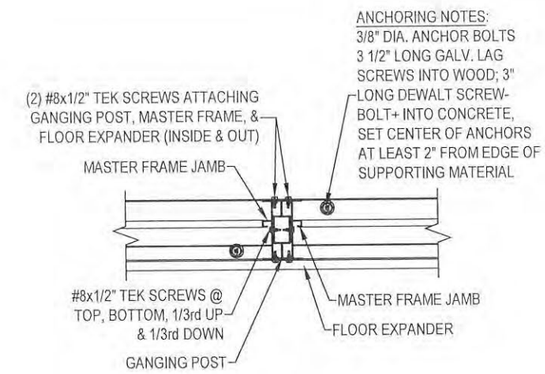


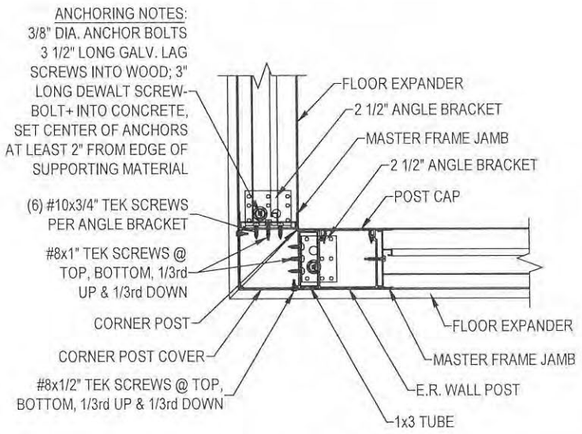
PLAN VIEW OF SUPER FOAM FILL PANEL
CONNECTION @ EXISTING WALL



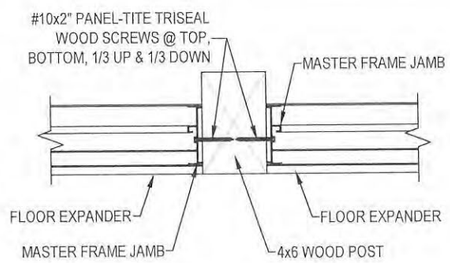
PLAN VIEW OF MASTER FRAME JAMB, SUPER FOAM FILL
PANEL, & E.R. WALL POST CONNECTION @ 4x4 WOOD POST



PLAN VIEW OF MASTER FRAME JAMBS
CONNECTION @ GANGING POST



PLAN VIEW OF MASTER FRAME JAMBS & E.R.
WALL POST CONNECTION @ CORNER POST



PLAN VIEW OF MASTER FRAME JAMBS
CONNECTION @ 4x6 WOOD POST

WISCONSIN
ERIC OETJEN
E-100913
FT THOMAS
KY
PROFESSIONAL ENGINEER
07-14-2024

DATE	7/9/24
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SCALE	1 1/2" = 1'-0"
SHEET	6 OF 8

ELLIE De LIA
7633 NORTH LINKS WAY
FOX POINT, WI 53217
JOB #39712

MILWAUKEE
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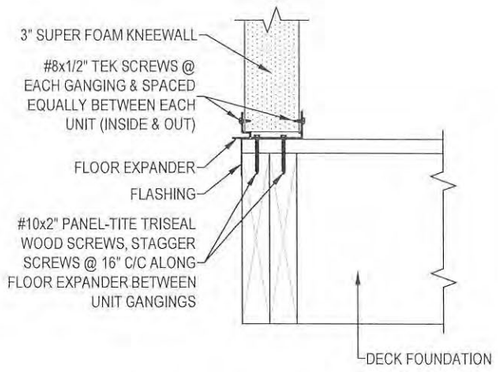
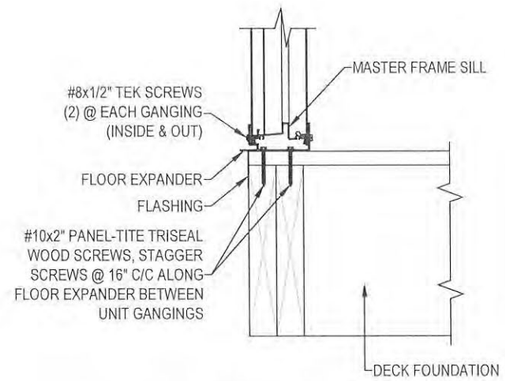
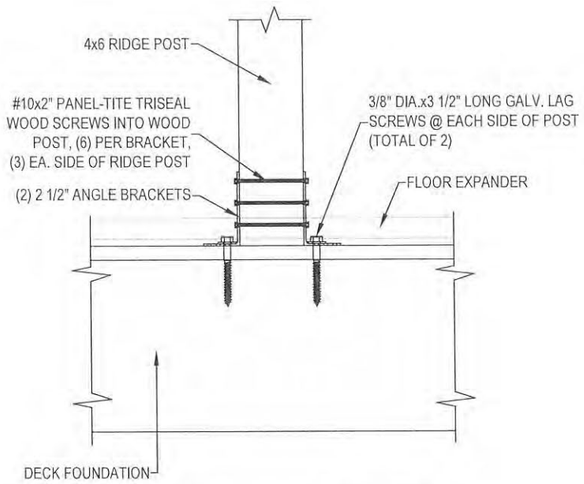


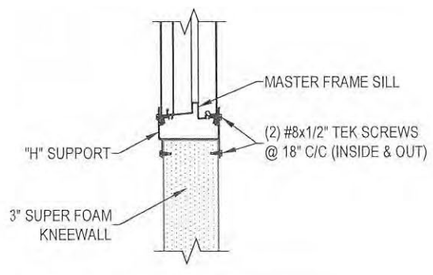
SECTION THROUGH FOAM KNEEWALL
CONNECTION @ DECK FOUNDATION



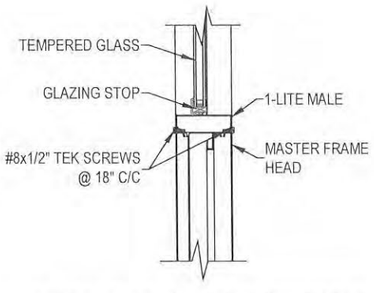
SECTION THROUGH MASTER FRAME SILL
CONNECTION @ DECK FOUNDATION



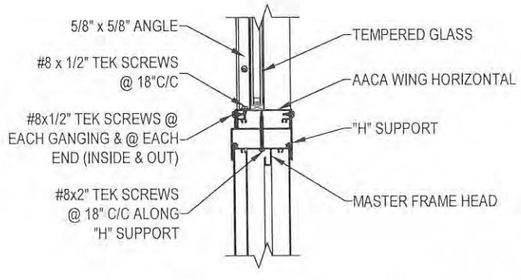
FRONT VIEW THROUGH 4x6 RIDGE POST
CONNECTION @ DECK FOUNDATION



SECTION THROUGH MASTER FRAME SILL
CONNECTION @ FOAM KNEEWALL



SECTION THROUGH MASTER FRAME HEAD
CONNECTION @ GLASS TRANSOM



SECTION THROUGH "H" & MASTER FRAME
HEAD CONNECTION @ GLASS WING

WISCONSIN
ERIC OETJEN
E-100913
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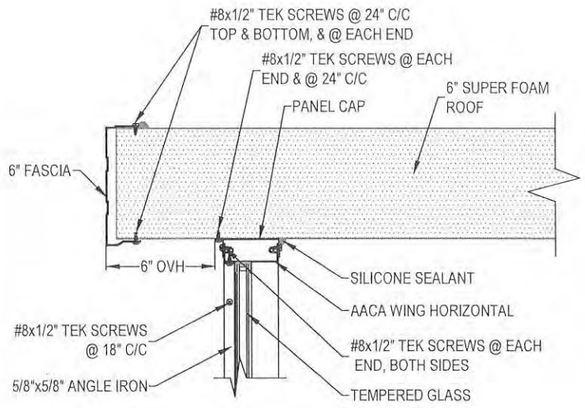
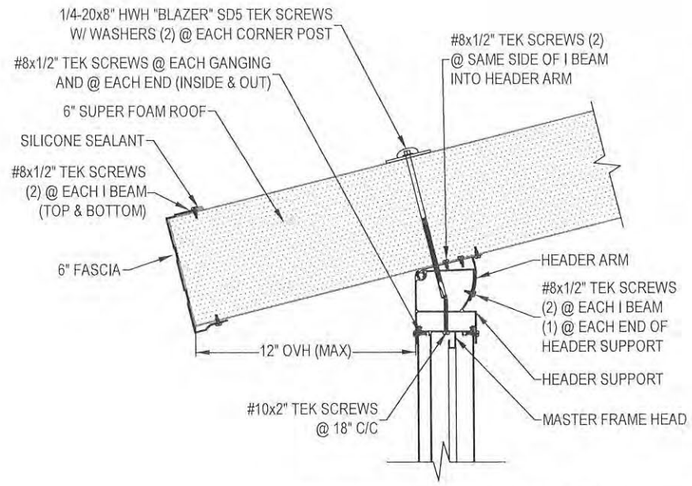
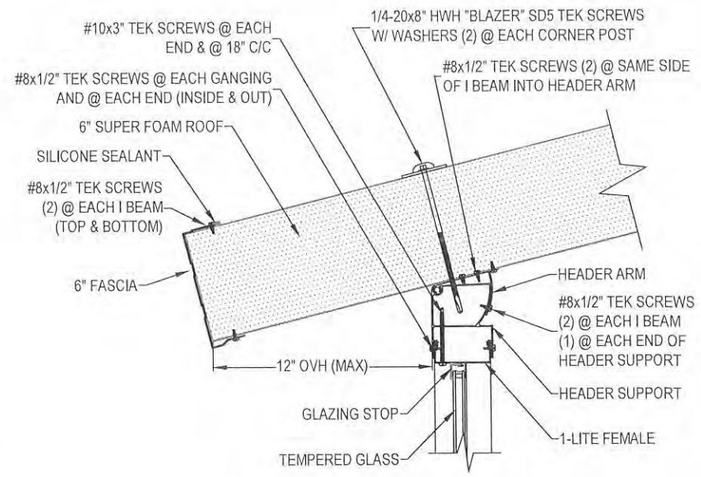


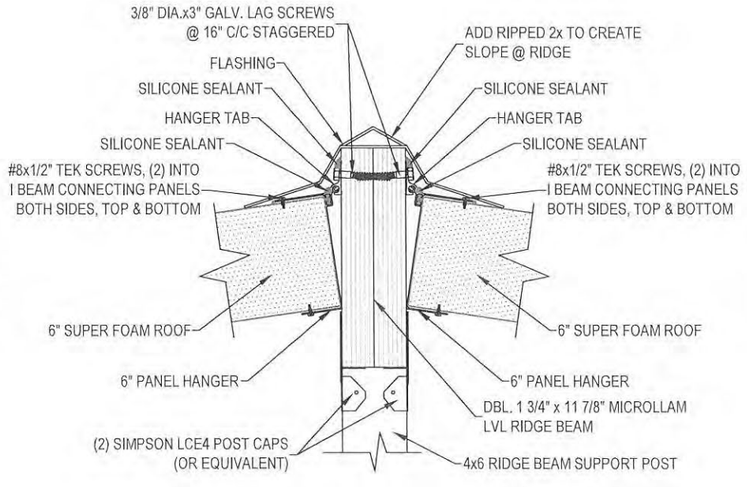
SECTION THROUGH 6" SUPER FOAM ROOF
PANEL CONNECTION @ GLASS WING



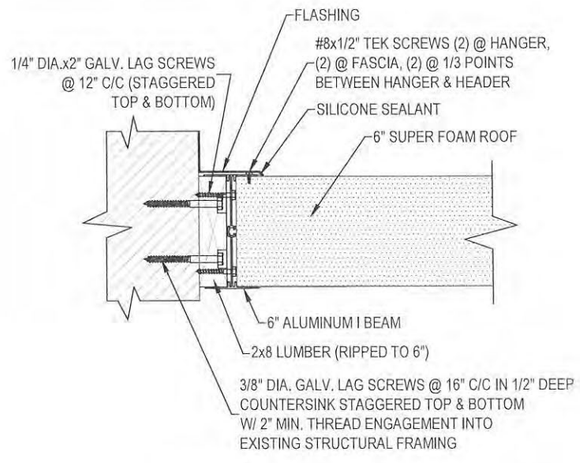
SECTION THROUGH MASTER FRAME & HEADER
CONNECTION @ 6" SUPER FOAM ROOF



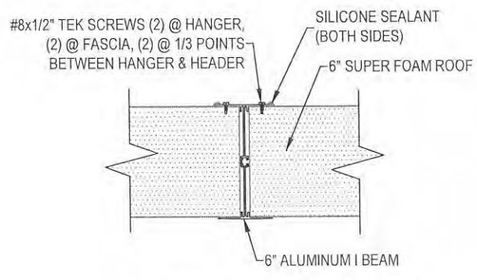
SECTION THROUGH TRANSOM & HEADER
CONNECTION @ 6" SUPER FOAM ROOF



SECTION THROUGH 6" SUPER FOAM ROOF & PANEL
HANGER ASSEMBLY CONNECTION @ RIDGE BEAM



6" ROOF PANEL & I BEAM
CONNECTION @ EXISTING WALL



SECTION THROUGH 6" ROOF
CONNECTION @ I BEAM

WISCONSIN
ERIC OETJEN
E-100913
FT THOMAS
KY
PROFESSIONAL ENGINEER
07-14-2024

DATE	7/9/24
DRAWN	MTS
SCALE	1 1/2" = 1'-0"
SHEET	8 OF 8

ELLIE De LIA
7633 NORTH LINKS WAY
FOX POINT, WI 53217
JOB #39712

MILWAUKEE
W141N9296 FOUNTAIN BLVD
MENOMONEE FALLS, WI 53051
262-798-0500

Great Day Improvements

ERIC OETJEN, P.E., M. ENG.
WI. PROFESSIONAL ENGINEER
(WI. LIC. #100913-6)
5 GREENE STREET
FORT THOMAS, KY. 41075
PH. # 859-393-9049

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VILLAGE OF FOX POINT

VILLAGE OF FOX POINT
7200 N Santa Monica Blvd
Fox Point, WI 53217
(414) 247-6622
www.villageoffoxpoint.com

Permit Number:

B- _____

OFFICE USE ONLY
Issued Date
Zoning B-55

BUILDING PERMIT

Job Address 7528 N Links Way	**Building Type:** Residential ☑ Commercial ☐
Description of Work	
200 SF Addtion to Garage for additional Storage	
Estimated Cost of Project $ 2,000	

Owner/Occupant Brian G Wolff	
Business Name	Contact Name
Address 7528 N Links Way	City/State/Zip Fox Point/WI/53217
Phone 414-839-3040	Email briarch@icloud.com

Cautionary Statement required when homeowner is applying for permit*

Contractor	
Company Name Self	Contact Name
Address	City/State/Zip
Phone	Email
Dwelling Contractor #	Dwelling Contractor Qualifier #

Square Footage Under Construction				
1st Floor	2nd Floor	Basement	Addition 200	Garage

Description		Rate	Amount
Project - Per $1,000 of estimated cost		$10.00	20
Building Board		$75.00	75
Footing early start - $230.00 one and two family; $305.00 commercial			~~230~~
Plan Review - $275.00 one and two family; New Single Family Construction $330.00 plus $30.00/unit commercial			
State Seal		$75.00	
Razing, Interior Demolition $925.00 max/bld	$95.00 minimum plus	$0.13/sqft	
Moving buildings	$250.00 plus	$0.13/sqft	
Fuel tanks - Per 1,000 gallons		$25.00	
Re-inspection		$100.00	
Work started without permit		**Double**	
	Minimum Fee	**$70.00**	70.00
Payable to: Village of Fox Point	**Total Permit Fee**		$ ~~325.00~~ 145.00

Applicant Signature _____ **Date** 8/24/2024

Rev 01/22

ISSUED PERMITS are available on the Village website under *PERMITS & LICENSES*

Receipt No: 22.000013 Aug 28, 2024

7528 N LINKS WAY

Previous Balance:	.00
LICENSES & PERMITS	
BUILDING PLANS - FILING FEE	75.00
Total:	75.00
LICENSES & PERMITS	
BUILDING PERMIT	70.00
Total:	70.00
ONLINE - CREDIT CARD	145.00
Payor:	
ERIK BOWIE	
Total Applied:	145.00
Change Tendered:	.00

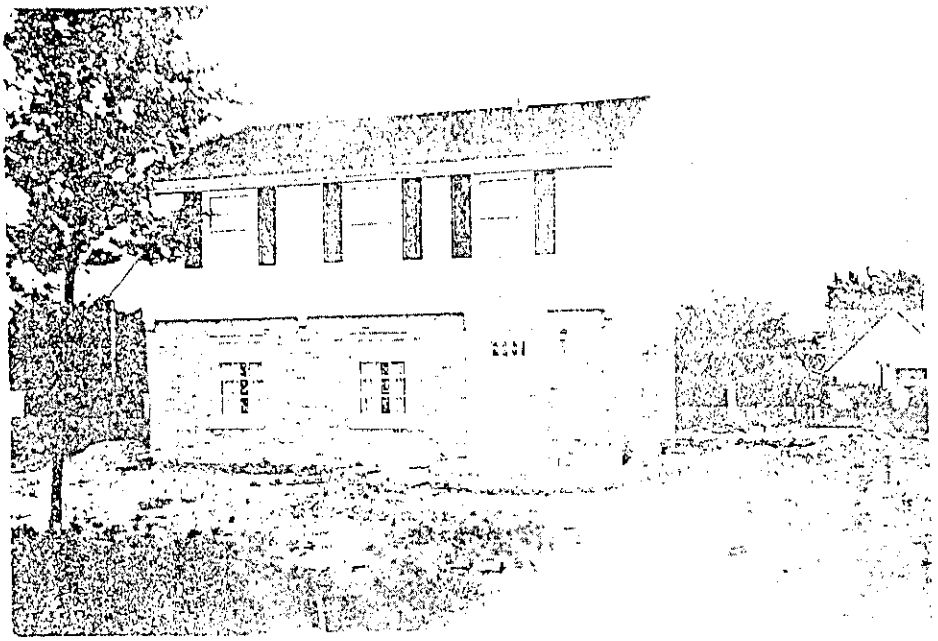
08/28/2024 10:00 AM

VILLAGE OF FOX POINT
7200 N. SANTA MONICA BLVD
FOX POINT WI 53217 414-351-8900

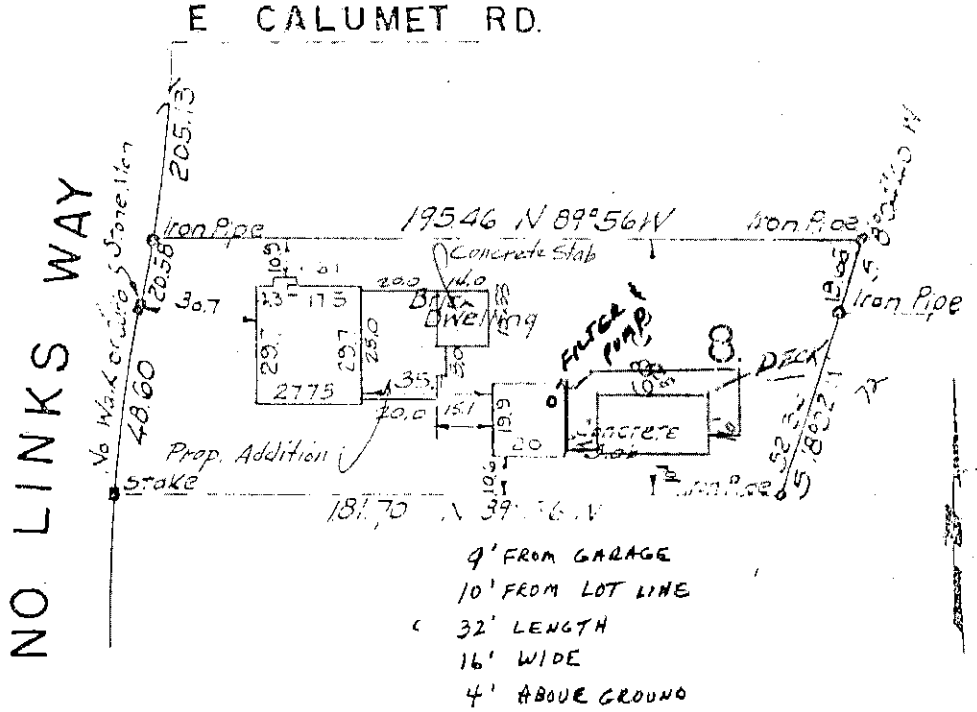
COMPLETE AND ACCURATE
SURVEYS ANYWHERE

HAROLD W. WARD
ENGINEER AND SURVEYOR
MILWAUKEE - WISCONSIN

SUCCESSOR TO
W. B. ENGELHARDT



PROPERTY AT 7540 N LINKS WAY HARVEY E. ABITZ - OWNER
LEGAL DESCRIPTION: LOT 8 BLOCK 1 LAKE DRIVE MANOR, IN THE S.W. 1/4 OF SEC. 16, T.8.N. R.22E. VILLAGE OF FOX POINT, WIS.
SCALE 1:20



State of Wisconsin, } SS.
County of Milwaukee }

I hereby certify that I have made the above survey on the nineteenth day of July 1947 and that the information relative to all buildings as shown on said survey, is complete and correct.

Plat No. 46-1545 S

Signed Harold W. Ward
Engineer and Surveyor

APPENDIX A

A.1 Existing Photos

View Facing West t Elevation of Garage

Corner of Garage Slab - Approx. 10"

Corner of Garage Slab - Approx. 10"

Interior View of Rafters

APPENDIX B

B.1 Code References

B.2 Woodworks Design Check Calc. Sheet

B.3 Fastener Schedule

Chapter SPS 321

CONSTRUCTION STANDARDS

Subchapter I — Scope
SPS 321.01 Scope.

Subchapter II — Design Criteria
SPS 321.02 Loads and materials.
SPS 321.03 Exits.
SPS 321.035 Interior circulation.
SPS 321.04 Stairways and elevated areas.
SPS 321.042 Ladders.
SPS 321.045 Ramps.
SPS 321.05 Natural light and natural ventilation.
SPS 321.06 Ceiling height.
SPS 321.07 Attic and crawl space access.
SPS 321.08 Fire separation and dwelling unit separation.
SPS 321.085 Fireblocking.
SPS 321.09 Smoke detectors.
SPS 321.095 Automatic fire sprinklers.
SPS 321.097 Carbon monoxide alarms.
SPS 321.10 Protection against decay and termites.
SPS 321.11 Foam plastic.
SPS 321.115 Installation of elevators or dumbwaiters.

Subchapter III — Excavations
SPS 321.12 Drainage.
SPS 321.125 Erosion control and sediment control.
SPS 321.13 Excavations adjacent to adjoining property.
SPS 321.14 Excavations for footings and foundations.

Subchapter IV — Footings
SPS 321.15 Footings.
SPS 321.16 Frost protection.
SPS 321.17 Drain tiles.

Subchapter V — Foundations
SPS 321.18 Foundations.

Subchapter VI — Floors
SPS 321.19 Floor design.
SPS 321.20 Concrete floors.
SPS 321.203 Garage floors.
SPS 321.205 Wood floors in contact with the ground.
SPS 321.21 Precast concrete floors.
SPS 321.22 Wood frame floors.
SPS 321.225 Decks.

Subchapter VII — Walls
SPS 321.23 Wall design.
SPS 321.24 Exterior covering.
SPS 321.25 Wood frame walls.
SPS 321.26 Masonry walls.

Subchapter VIII — Roof and Ceilings
SPS 321.27 Roof design and framing.
SPS 321.28 Weather protection for roofs.

Subchapter IX — Fireplace Requirements
SPS 321.29 Masonry fireplaces.
SPS 321.30 Masonry chimneys.
SPS 321.32 Factory–built fireplaces.

Subchapter X — Construction in Floodplains
SPS 321.33 Construction in floodplains.
SPS 321.34 Construction in coastal floodplains.

Subchapter XI — Installation of Manufactured Homes
SPS 321.40 Installation standards.

Note: Chapter Ind 21 was renumbered to be chapter ILHR 21, Register, February, 1985, No. 350, eff. 3–1–85. Chapter ILHR 21 was renumbered chapter Comm 21 under s. 13.93 (2m) (b) 1., Stats., and corrections made under s. 13.93 (2m) (b) 6. and 7., Stats., Register, January, 1999, No. 517. Chapter Comm 21 was reprinted to correct the Table of Contents, Register October 2009 No. 646. Chapter Comm 21 was renumbered chapter SPS 321 under s. 13.92 (4) (b) 1., Stats., Register December 2011 No. 672.

Subchapter I — Scope

SPS 321.01 Scope. The provisions of this chapter shall apply to the design and construction of all one– and 2–family dwellings.

History: Cr. Register, November, 1979, No. 287, eff. 6–1–80.

Subchapter II — Design Criteria

SPS 321.02 Loads and materials. Every dwelling shall be designed and constructed in accordance with the requirements of this section.

(1) DESIGN LOAD. Every dwelling shall be designed and constructed to support the actual dead load, live loads and wind loads acting upon it without exceeding the allowable stresses of the material. The construction of buildings and structures shall result in a system that provides a complete load path capable of transferring all loads from point of origin through the load–resisting elements to the foundation.

(a) *Dead loads.* Every dwelling shall be designed and constructed to support the actual weight of all components and materials. Earth–sheltered dwellings shall be designed and constructed to support the actual weight of all soil loads.

(b) *Live loads.* 1. 'Floors and ceilings.' Floors and ceilings shall be designed and constructed to support the minimum live loads listed in Table 321.02. The design load shall be applied uniformly over the component area.

Table 321.02–1

Component	Live Load (pounds per sq. ft.)
Floors	40
Garage floors	50
Exterior balconies, decks, porches	40
Ceilings (with storage)	20
Ceilings (without storage)	5

2. 'Snow loads.' Roofs shall be designed and constructed to support the minimum snow loads listed on the zone map. The loads shall be assumed to act vertically over the roof area projected upon a horizontal plane.

(c) *Wind loads.* Dwellings shall be designed and constructed to withstand either a horizontal and uplift pressure of 20 pounds per square foot acting over the surface area or the wind loads determined in accordance with ASCE 7–05, *Minimum Design Loads for Buildings and Other Structures.*

Note: ASCE 7–05 allows for substantial reduction from 20 psf as applied to the surface area.

(2) METHODS OF DESIGN. All dwellings shall be designed by the method of structural analysis or the method of accepted practice specified in each part of this code.

Note: See ch. NR 116, rules of the department of natural resources, for special requirements relating to buildings located in flood plain zones. Information regarding the elevation of the regional flood may be obtained from the local zoning official.

(3) STRUCTURAL STANDARDS. (a) *General.* Design, construction, installation, practice and structural analysis shall conform to the following nationally recognized standards.

(b) *Wood.* 1. Except as provided in subd. 1. a. and b., structural lumber, glue–laminated timber, timber pilings and fastenings shall be designed in accordance with the "National Design Specification for Wood Construction" and the "Design Values for Wood Construction," a supplement to the National Design Specification for Wood Construction.

Figure 321.02
ZONE MAP FOR ROOF LOADS

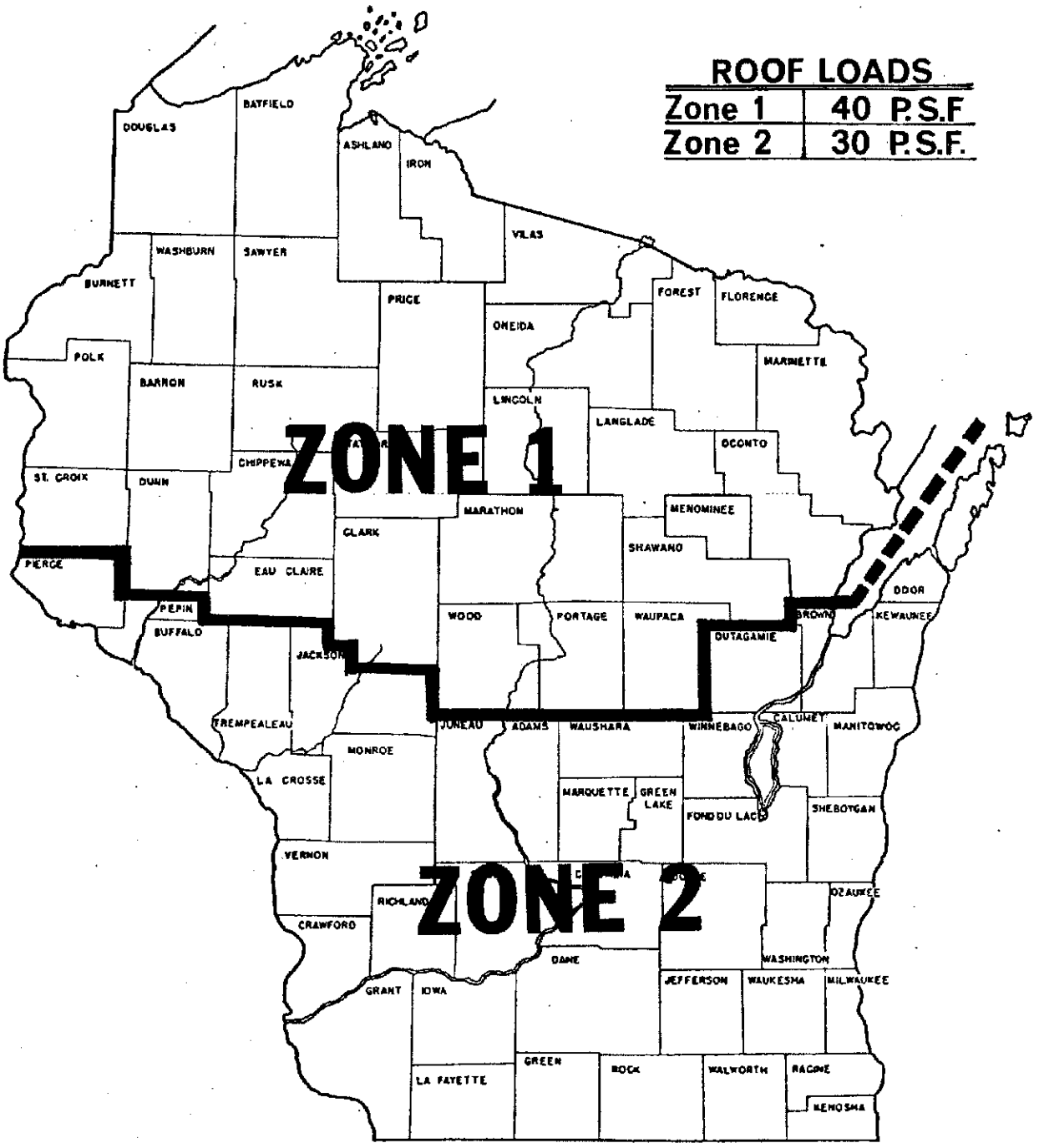


Table 321.25–G

BRACING METHODS[a, f]

Material	Minimum Brace Material Thickness or Size	Maximum Nominal Wall Height[b]	Minimum Braced Wall Panel Width or Brace Angle	Connection Criteria	
				Minimum Fasteners	Maximum Spacing
Intermittent Bracing Methods					
LIB[c] Let–in bracing	1x4 wood brace (or approved metal brace installed per manufacturer instructions)	10'	45° angle and maximum 16" o.c. stud spacing[b]	2–8d common nails or 3–8d box nails (2 3/8" long x 0.113" diameter)	Per stud and top and bottom plates[e]
DWB Diagonal wood boards	¾" (1" nominal) for maximum 24" o.c. stud spacing	10'	48"	2–8d box nails (2 3/8" long x 0.113" diameter) or 2 – 1 3/4" long 16–gage staples	Per stud and top and bottom plates[e]
WSP Wood structural panel	3/8" for maximum 16"o.c. stud spacing; 7/16" for maximum 24" o.c. stud spacing	10'	48"	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	6" edges, 12" field (nails) 3" edges, 6" field (staples)
SFB Structural fiber-board sheathing	½" for maximum 16" o.c. stud spacing	10'	48"	1 1/2" long x 0.120" diameter galvanized roofing nails or 1"–crown 16–gage staples, 1 1/4" long	3" edges, 6" field
GB Gypsum board (installed on both sides of wall)	½" for maximum 24" o.c. stud spacing	10'	96"	5d cooler nails, or #6 screws	7" edges, 7" field (including top and bottom plates)
Continuous Sheathed Bracing Methods					
CS–WSP[d] Continuous sheathed WSP	3/8" for maximum 16"o.c. stud spacing; 7/16" for maximum 24" o.c. stud spacing	12'	Refer to Table 321.25–H	Same as WSP	Same as WSP
CS–SFB[d] Continuous sheathed SFB	½" for maximum 16" o.c. stud spacing			Same as SFB	Same as SFB
Narrow Panel Bracing					
PF Portal frame	7/16"	12'	Refer to Figure 321.25–A	Refer to Figure 321.25–A	Refer to Figure 321.25–A

[a]The interior side of all exterior walls shall be sheathed with minimum ½–inch gypsum wallboard unless otherwise permitted to be excluded by this subsection. All edges of panel–type wall bracing, except horizontal joints in GB bracing, shall be attached to framing or blocking.

[b]The actual measured wall height shall include stud height and thickness of top and bottom plates. The actual wall height shall be permitted to exceed the listed nominal values by not more than 4½ inches. Tabulated bracing amounts in s. SPS 321.25 (8) (c) are based on a 10–foot nominal wall height for all bracing methods and shall be permitted to be adjusted to other nominal wall heights not exceeding 12 feet in accordance with footnotes to Table 321.25–I or Table 321.25–J.

[c]LIB is not permitted for walls supporting a roof and two floors. Two LIB braces installed at a 60° angle from horizontal shall be permitted to be substituted for each 45° angle LIB brace.

[d]Bracing with CS–WSP and CS–SFB shall have sheathing installed on all sheathable surfaces above, below, and between wall openings.

[d]Shall be attached to the top and bottom plates and any intermediate studs, in one continuous length.

[e]Each braced panel may contain no more than one hole, having a maximum dimension of no more than ten percent of the least dimension of the panel, and confined to the middle three–fourths of the panel.

Table 321.25–H[a, b]

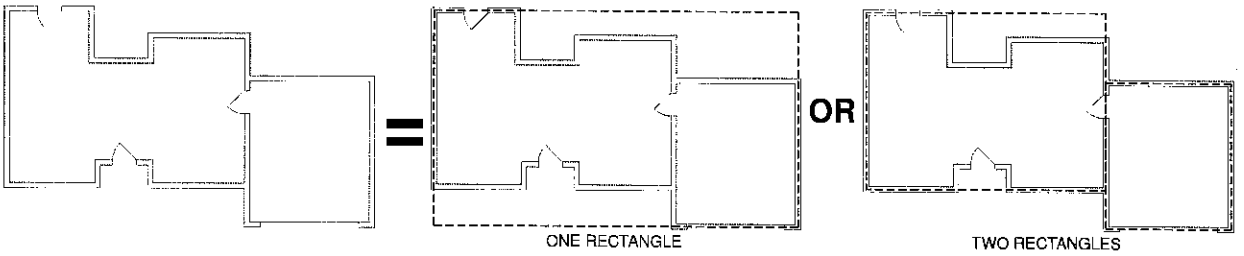
MINIMUM WIDTHS OF CS–WSP AND CS–SFB BRACED WALL PANELS

Maximum Opening Height Adjacent to Braced Wall Panel	Minimum Width of Full–Height Braced Wall Panel (inches)			
	8' Tall Wall	9' Tall Wall	10' Tall Wall	12' Tall Wall
5'– 4"	24	27	30	36
6'– 8"	32	30	30	36
8'	48	41	38	36
9'	–	54	46	41
10'	–	–	60	48
12'	–	–	–	72

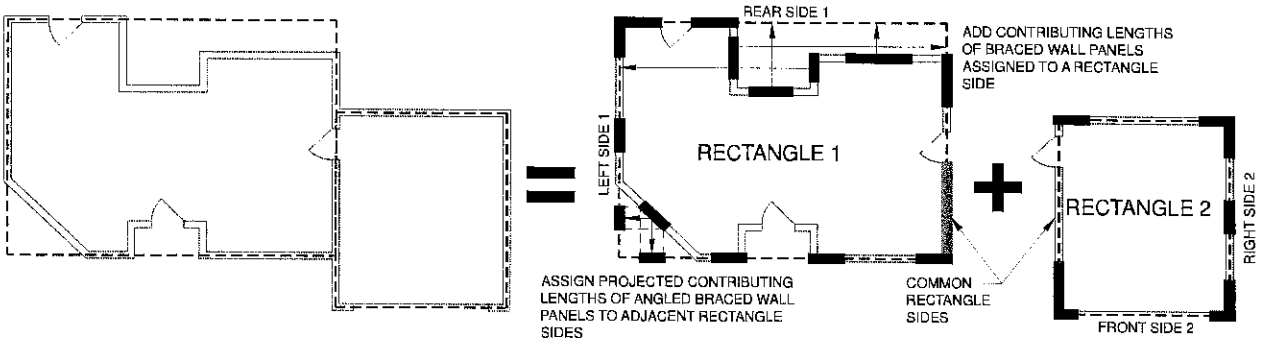
[a]Sheathing shall extend from the top of the top plate to the bottom of the bottom plate and may be multiple sheets. All joints shall be blocked.

[b]Interpolation is permitted.

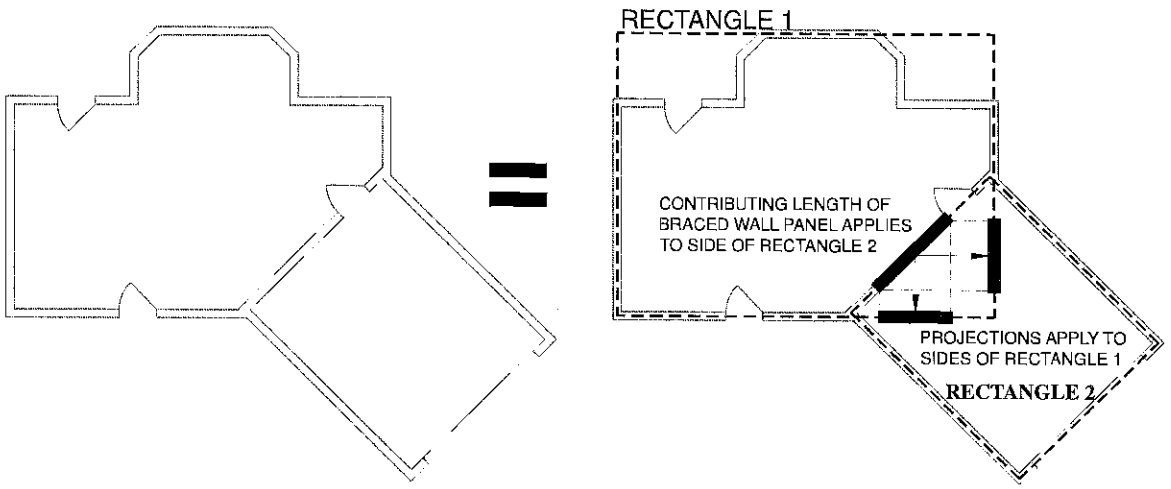
FIGURE 321.25–B
DEFINING BUILDING SIDES AND LENGTHS WITH ONE OR MORE CIRCUMSCRIBED RECTANGLES[a,b,c]



(1) Basic floor plan



(2) Angled–building–side plan[d]



(3) Angled floor plan[e]

[a]Each floor plan level shall be circumscribed with one or more rectangles around the entire floor plan at the floor level under consideration as shown. When multiple rectangles are used, each side shall be braced as though it were a separate building and the bracing amount added together along the common wall where adjacent rectangles overlap or abut.

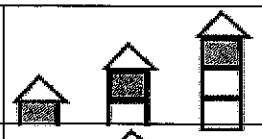
[b]Rectangles shall surround all enclosed plan offsets and projections. Chimneys, partial height projections, and open structures, such as carports and decks, shall be excluded from the rectangle.

[c]Each rectangle shall have a maximum rectangle length–to–width ratio of 3:1.

[d]Projected contributing lengths of angled braced wall panels shall be assigned to the closest rectangle sides, as shown for the angled corner in the angled–building–side–plan shown above.

[e]Braced wall panels located on a common wall where angled rectangles intersect, as shown in Figure 321.25–B(3), shall have their contributing length applied towards the required length of bracing for the parallel rectangle side and its projected contributing lengths towards the adjacent angled rectangle sides. Where the common side of rectangle 2 as shown in Figure 321.25–B(3) has no physical wall, the portion shall be designed in accordance with s. SPS 321.25 (8) (a).

TABLE 321.25–I
REQUIRED NUMBER OF INTERMITTENT BRACED WALL PANELS ON WALLS PARALLEL TO EACH RECTANGLE SIDE AT EACH FLOOR LEVEL[a,b,c,d,e,f, h, j]

Wall Supporting:		Required Number of Brace Panels on a Building Side		
		Length of Perpendicular Side (feet)[g]		
		≤25	≤50	≤75
Roof and ceiling only		1[i]	2	3
One floor, roof and ceiling		2	4	6
Two floors, roof and ceiling		3	6	9

[a]Interpolation is permitted. Extrapolation to buildings larger than addressed in this table is prohibited.

[b]This table applies to wind exposure category B. For wind exposure category C or D, multiply the number of braced wall panels required by 1.3 or 1.6, respectively.

Wind exposure category B is comprised of urban and suburban areas, wooded areas, or other terrain with numerous closely spaced obstructions having the size of single–family dwellings or larger. Exposure B shall be assumed unless the site meets the definition of another type exposure.

Wind exposure category C is comprised of flat, open country and grasslands with scattered obstructions, including surface undulations or other irregularities, having heights generally less than 30 feet extending more than 1,500 feet from the building site in any quadrant. This exposure also applies to any building located within Exposure B type terrain where the building is directly adjacent to open areas of Exposure C type terrain in any quadrant for a distance of more than 600 feet.

Wind exposure category D is comprised of flat, unobstructed areas exposed to wind flowing over open water for a distance of at least 1 mile. This exposure applies only to those buildings and other structures exposed to the wind coming from over the water. Exposure D extends inland from the shoreline a distance of 1,500 feet or 10 times the height of the building or structure, whichever is greater.

[c]Tabulated values are based on a nominal wall height of 10 feet. For nominal wall heights other than 10 feet and not more than 12 feet, multiply the required number of brace panels by the following factors: 0.9 for 8 feet, 0.95 for 9 feet, 1.15 for 11 feet, or 1.3 for 12 feet.

[d]Tabulated values are based on a roof with a top–of–wall–to–ridge height of 10 feet. For top–of–wall–to–ridge heights other than 10 feet, multiply the required number of brace panels by the following factors for each floor level support condition:

Roof only – 0.7 for 5 feet, 1.3 for 15 feet, or 1.6 for 20 feet

Roof + 1 Floor – 0.85 for 5 feet, 1.15 for 15 feet, or 1.3 for 20 feet

Roof + 2 Floors – 0.9 for 5 feet or 1.1 for 15 feet.

[e]Where minimum 1/2–inch gypsum wallboard is not included on the interior side of the wall, multiply the number of braced wall panels by 1.7 for LIB bracing or 1.4 for all other bracing methods, except this increase is not required for the portal frame method.

[f]Adjustments in footnotes b to e apply cumulatively. Fractions of panels shall be rounded to the nearest one–half braced wall panel.

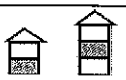
[g]Perpendicular sides to the front and rear sides are the left and right sides. Perpendicular sides to the left and right sides are the front and rear sides. See Figure 321.25–B.

[h]The following braced wall panel conditions shall be permitted to be counted as one–half a braced wall panel toward meeting the required number of panels: (1) one 60 degree LIB; (2) one 48" GB or one 96" GB with gypsum wallboard on one side; (3) one 36" WSP or SFB braced wall panel for wall heights not more than 9 feet; (4) a 48" WSP or SFB braced wall panel where there is no more than one unblocked horizontal joint; or (5) one PF brace panel complying with Figure 321.25–A.

[i]This value of less than 2 serves only as the beginning value for calculation purposes. The resulting value shall be 2 or greater, to be consistent with subd. 2.

[j]Any floor, habitable or otherwise, that is contained wholly within the roof rafters or roof trusses is exempt from being considered a floor for purposes of determining wall bracing if the top–of–wall–to–ridge height does not exceed 20 feet and if no opening in the roof exceeds 48 inches in height.

Table 321.25–J
REQUIRED LENGTH OF CONTINUOUS BRACING ON WALLS PARALLEL TO EACH RECTANGLE SIDE AT EACH FLOOR LEVEL[a,b,c,d,e,g,h,j]

Top–of–Wall–to–Ridge Height (feet)	Wall Supporting:		Total Required Length (feet) of Full–Height Bracing on Any Side of Rectangle							
			Length of Perpendicular Side (feet)[f]							
			10	20	30	40	50	60	70	80
10	Roof and ceiling only		2.0[i]	3.5[i]	5.0	6.0	7.5	9.0	10.5	12.0
	One floor, roof and ceiling		3.5[i]	6.5	9.0	12.0	14.5	17.0	19.8	22.6
	Two floors, roof and ceiling		5.0	9.5	13.5	17.5	21.5	25.5	29.2	33.4
15	Roof and ceiling only		2.6[i]	4.6	6.5	7.8	9.8	11.7	13.7	15.7
	One floor, roof and ceiling		4.0	7.5	10.4	13.8	16.7	19.6	22.9	26.2
	Two floors, roof and ceiling		5.5	10.5	14.9	19.3	23.7	27.5	32.1	36.7
20	Roof and ceiling only		2.9[i]	5.2	7.3	8.8	11.1	13.2	15.4	17.6
	One floor, roof and ceiling		4.5	8.5	11.8	15.6	18.9	22.1	25.8	29.5
	Two floors, roof and ceiling		6.2	11.9	16.8	21.8	27.3	31.1	36.3	41.5

[a]Interpolation is permitted. Extrapolation to buildings larger than addressed in this table is prohibited.

[b]This table applies to wind exposure category B. For wind exposure category C or D, multiply the required length of wall bracing by 1.3 or 1.6, respectively. Wind exposure categories are as defined in Table 321.25–I footnote b.

[c]Tabulated values are based on a nominal wall height of 10 feet. For nominal wall heights other than 10 feet, multiply the required length of bracing by the following factors: 0.90 for 8 feet, 0.95 for 9 feet, 1.05 for 11 feet, or 1.10 for 12 feet.

[d]Where minimum ½–inch gypsum wallboard interior finish is not provided, the required bracing amount for the affected rectangle side shall be multiplied by 1.4, except this increase is not required for the portal frame method.

[e]Adjustments in footnotes b to d apply cumulatively.

[f]Perpendicular sides to the front and rear sides are the left and right sides. Perpendicular sides to the left and right sides are the front and rear sides. See Figure 321.25–B.

[g]Continuous sheathing shall be applied to all surfaces of the wall, including areas between brace panels and above and below wall openings.

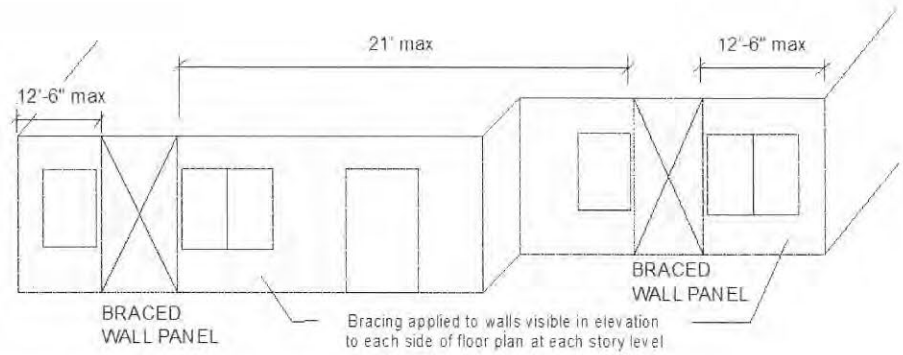
[h]When used on a wall line with continuous sheathing, each portal frame panel is counted for its actual length in contributing toward the length of continuous sheathing used on other portions of the same wall line, such as the building side at a given story level.

[i]Any value of less than 4.0 in this table serves only as the beginning value for calculation purposes. The resulting value shall be 4.0 or greater, to be consistent with Table 321.25–H and subd. 2.

[j]Any floor, habitable or otherwise, that is contained wholly within the roof rafters or roof trusses is exempt from being considered a floor for purposes of determining wall bracing if the top–of–wall–to–ridge height does not exceed 20 feet and if no opening in the roof exceeds 48 inches in height.

Figure 321.25–C

LOCATION OF BRACED WALL PANELS ALONG A BUILDING SIDE[a]



[a]A braced wall panel can be anything from one–half to one brace panel.

(d) *Braced wall panel support.* Braced wall panels shall be supported on floor framing or foundations as follows:

1. Where joists are perpendicular to braced wall lines above or below, blocking shall be provided between the joists at braced wall panel locations to permit fastening of wall plates in accordance with the fastener table in the ch. SPS 325 Appendix A.

2. Where joists are parallel to braced wall lines above or below, a rim joist or other parallel framing member shall be provided at the wall to permit fastening of wall plates in accordance with the fastener table in the ch. SPS 325 Appendix A.

3. Braced wall panels shall be permitted to be supported on cantilevered floor joists meeting the cantilever limits of s. SPS 321.22 (6) provided joists are blocked at the nearest bearing wall location, except such blocking is not required for cantilevers not exceeding 24 inches where a full height rim joist is provided.

History: Cr. Register, November, 1979, No. 287, eff. 6–1–80; cr. (1) (d) and am. (3) (b), Register, February, 1985, No. 350, eff. 3–1–85; r. and recr. (3) (b), am. Table 21.25 B and E, Register, January, 1989, No. 397, eff. 2–1–89; am. (3) (a) and (6), Register, March, 1992, No. 435, eff. 4–1–92; r. and recr. (1) (c), am. Table 21.25–D, cr. Table 21.25–F, Register, November, 1995, No. 479, eff. 12–1–95; am. Table 21.25–A, Register, January, 1999, No. 517, eff. 2–1–99; r. (1) (b) and (c), renum. (1) (d) to be (b), r. and recr. (2), (6) and Tables 21.25–E and F, and am. (3) (b) 3., Register, March, 2001, No. 543, eff. 4–1–01; CR 02–077: r. (3) (c) Register May 2003 No. 569, eff. 8–1–03; CR 08–043: am. (1) (title), r. (1) (b), renum. (1) (a) and (6) (a) 4. to be (1) and (6) (a) 5., r. and recr. Table 21.25–A, cr. (6) (a) 4., (7), (8) and (9) Register March 2009 No. 639, eff. 4–1–09; correction in Figure 21.25–E made under s. 13.92 (4) (b) 7., Stats., Register March 2009 No. 639; CR 09–104: am. 21.25 (8) (e) 2., Table 21.25–H, (9) (b) 3., Table 21.25–J, Figure 21.25–G (c), (9) (c) 4. Register December 2010 No. 660, eff. 1–1–11; correction in (1), (2) (b) 3., (3) (a), (6) (c) 2., (d), (8) (c) 1. d., 2. c., (d), (e) 2., 3., (f) 2., (g) 3., (h) 2. b., (9) (b) 1., 2. b., d., 4. b., c., i., (c) 2. (intro.), b., c., d., 3., 4., 5. a., c., d., g., h., i., Table 321.25–H, Figure 321.25–F, –H to –K made under s. 13.92 (4) (b) 7., Stats., Register December 2011 No. 672; EmR1403: emerg. am. Table 321.25–A, (7) (d), r. and recr. (8) (b), (c), Tables 321.25–G to 321.25–J, Figures 321.25–A to 321.25–C, r. (8) (d) to (f), renum. (8) (g) (title), (intro.), 1. to 3. to (8) (d) (title), (intro.), 1. to 3., r. (8) (g) 4., (h), (9), Tables 321.25–K, 321.25–L, Figures 321.25–D to 321.25–K, eff. 4–1–14; CR 14–015: am. Table 321.25–A, (7) (d), r. and recr. (8) (b), (c), Tables 321.25–G to 321.25–J, Figures 321.25–A to 321.25–C, r. (8) (d) to (f), renum. (8) (g) (title), (intro.), 1. to 3. to (8) (d) (title), (intro.), 1. to 3., r. (8) (g) 4., (h), (9), Tables 321.25–K, 321.25–L, Figures 321.25–D to 321.25–K Register August 2014 No. 704, eff. 9–1–14; CR 15–041: cr. (2m), renum. (3) (intro.), (a), (b) to (3) (am), (bm), (cm), cr. (3) (am) (title), am Table I (title), Table J (title) Register December 2015 No. 720, eff. 1–1–16; CR 15–043: am. (8) (d) 1., 2. Register December 2015 No. 720, eff. 1–1–16.

SPS 321.26 Masonry walls. Masonry walls shall be constructed in accordance with the requirements of this section.

(1) COLD WEATHER WORK. When ambient air temperature is below 40°F, the cold weather construction procedures under ACI 530.1 shall be followed.

Note: The requirements for cold weather work are in sections 1.8 and 1.8C of the 2005 edition of the ACI standard.

(2) MASONRY UNITS. (a) *Unused concrete units.* Previously unused concrete masonry units shall conform to the ASTM C 90 standard.

(b) *Unused clay or shale units.* Previously unused clay or shale masonry units shall conform to the appropriate ASTM standard: C 62; C 216; or C 652. Units which will be exposed to weathering or frost action shall be Grade SW as specified in these standards.

(c) *Used masonry units.* All previously used masonry units shall be free from physical defects which interfere with the installation or impair the structural properties of the unit.

(3) TYPES OF MORTAR. (a) *Mortar specifications.* The type of mortar shall be determined from Table 321.26–A. The mortar shall conform to the requirements of ASTM C–270.

(b) *Surface bond mortars.* Surface bond mortars for masonry walls shall be mixed in accordance with the proportions specified on the bag.

(4) MORTAR COMPONENTS. Mortar components shall comply with the following requirements:

(a) *Water.* Water shall be clean and free of deleterious amounts of acids, alkalies, or organic materials.

(b) *Admixtures or mortar colors.* Admixtures or mortar colors shall not be added to the mortar unless the resulting mortar conforms to the mortar specifications. Only mineral oxide may be used as mortar color and shall not exceed 10% by weight of the cement.

(c) *Mixing.* Mortar shall be mixed for at least 3 minutes after all ingredients have been added with the maximum amount of water to produce a workable consistency. Mortars that have stiffened due to water evaporation shall be retempered by adding

B.2 Woodworks Design Calculation Shee

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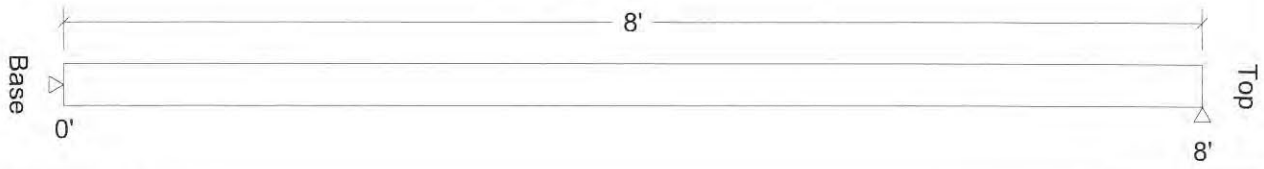
Design Check Calculation Sheet

WoodWorks Sizer 2023

Loads:

Load	Type	Distribution	Location [ft] Start	End	Magnitude Start	End	Unit
Load1	Dead	Axial UDL	(Ecc. = 0.00")		225		plf
Load2	Snow	Axial UDL	(Ecc. = 0.00")		450		plf
Load3	Wind	Full Area			8.00(24.0")		psf
Self-weight	Dead	Axial UDL			4		plf

Reactions (lbs):



Unfactored:			
Lateral:			
Dead			
Snow			
Wind	64		64
Axial:			
Dead	458		458
Snow	900		900
Factored:			
L->R	38		38
Load comb	#4		#4

Lumber Stud, S-P-F, Stud, 2x4 (1-1/2"x3-1/2")

Support: None

Spaced at 24.0" c/c; Total length: 8.0'; Volume = 0.3 cu.ft.

Pinned base; Load face = width(b); Ke x Lb: 1.0 x 0.0 = 0.0 ft; Ke x Ld: 1.0 x 8.0 = 8.0 ft; Repetitive factor: applied where permitted (refer to online help);

This section PASSES the design code check.

Analysis vs. Allowable Stress and Deflection using NDS 2018 :

Criterion	Analysis Value	Design Value	Unit	Analysis/Design
Shear	fv = 11	Fv' = 216	psi	fv/Fv' = 0.05
Bending(+)	fb = 301	Fb' = 1366	psi	fb/Fb' = 0.22
Axial	fc = 259	Fc' = 409	psi	fc/Fc' = 0.63
Axial Bearing	fc = 259	Fc* = 875	psi	fc/Fc* = 0.30
Combined	(axial compression + side load bending)			Eq.3.9-3 = 0.55
Live Defl'n	0.14 = L/697	0.80 = L/120	in	0.17
Total Defl'n	0.14 = L/697	0.80 = L/120	in	0.17

Additional Data:

FACTORS:	F/E(psi)	CD	CM	Ct	CL/CP	CF	Cfu	Cr	Cfrt	Ci	LC#
Fv'	135	1.60	1.00	1.00	-	-	-	-	1.00	1.00	4
Fb'+	675	1.60	1.00	1.00	1.000	1.100	-	1.15	1.00	1.00	4
Fc'	725	1.15	1.00	1.00	0.467	1.050	-	-	1.00	1.00	2
Fc'comb	725	1.60	-	-	0.355	-	-	-	-	-	3
E'	1.2 million		1.00	1.00	-	-	-	-	1.00	1.00	4
Emin'	0.44 million		1.00	1.00	-	-	-	-	1.00	1.00	4
Fc*	725	1.15	1.00	1.00	-	1.050	-	-	1.00	1.00	2

CRITICAL LOAD COMBINATIONS:

```
Shear      : LC #4  = 0.6D + 0.6W
Bending(+): LC #4  = 0.6D + 0.6W
Deflection: LC #4  = 0.6D + 0.6W  (live)
            LC #4  = 0.6D + 0.6W  (total)
Axial      : LC #2  = D + S
Combined   : LC #3  = D + 0.75(S + 0.6W);
D=dead S=snow W=wind
All LC's are listed in the Analysis output
Load combinations: ASD Basic from ASCE 7-16 2.4
```

CALCULATIONS:

```
V = 38 lbs; M(+) = 77 lbs-ft; P = 1358 lbs, (1 - fc/FcE) = 0.55
EI = 6.43e06 lb-in^2
"Live" deflection is due to all non-dead loads (live, wind, snow…)
Total deflection = 1.50 permanent + "live"
Axial d governs, l/b = 0.0, l/d = 27.4
```

Design Notes:

1. Analysis and design are in accordance with the ICC International Building Code (IBC 2021) and the National Design Specification (NDS 2018), using Allowable Stress Design (ASD). Design values are from the NDS Supplement.
2. Please verify that the default deflection limits are appropriate for your application.

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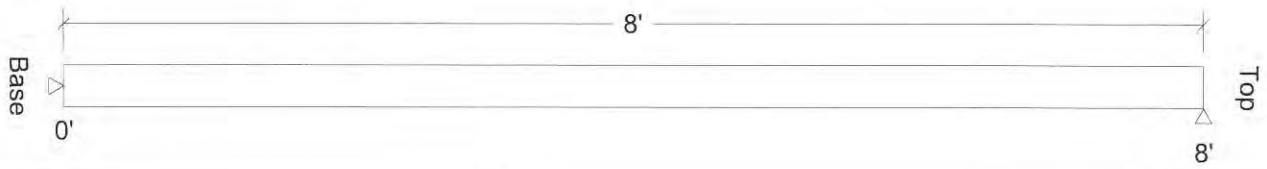
Design Check Calculation Sheet

WoodWorks Sizer 2023

Loads:

Load	Type	Distribution	Location [ft] Start	Location [ft] End	Magnitude Start	Magnitude End	Unit
Load1	Dead	Axial UDL	(Ecc. = 0.00")		75		plf
Load2	Snow	Axial UDL	(Ecc. = 0.00")		150		plf
Load3	Wind	Full Area			20.00(24.0")		psf
Self-weight	Dead	Axial UDL			4		plf

Reactions (lbs):



Unfactored:			
Lateral:			
Dead			
Snow			
Wind	160		160
Axial:			
Dead	158		158
Snow	300		300
Factored:			
L->R	96		96
Load comb	#4		#4

Lumber Stud, S-P-F, Stud, 2x4 (1-1/2"x3-1/2")

Support: None

Spaced at 24.0" c/c; Total length: 8.0'; Volume = 0.3 cu.ft.

Pinned base; Load face = width(b); Ke x Lb: 1.0 x 0.0 = 0.0 ft; Ke x Ld: 1.0 x 8.0 = 8.0 ft; Repetitive factor: applied where permitted (refer to online help);

This section PASSES the design code check.

Analysis vs. Allowable Stress and Deflection using NDS 2018 :

Criterion	Analysis Value	Design Value	Unit	Analysis/Design
Shear	fv = 27	Fv' = 216	psi	fv/Fv' = 0.13
Bending(+)	fb = 752	Fb' = 1366	psi	fb/Fb' = 0.55
Axial	fc = 87	Fc' = 409	psi	fc/Fc' = 0.21
Axial Bearing	fc = 87	Fc* = 875	psi	fc/Fc* = 0.10
Combined	(axial compression + side load bending)			Eq.3.9-3 = 0.59
Live Defl'n	0.34 = L/279	0.80 = L/120	in	0.43
Total Defl'n	0.34 = L/279	0.80 = L/120	in	0.43

Additional Data:

FACTORS:	F/E(psi)	CD	CM	Ct	CL/CP	CF	Cfu	Cr	Cfrt	Ci	LC#
Fv'	135	1.60	1.00	1.00	-	-	-	-	1.00	1.00	4
Fb'+	675	1.60	1.00	1.00	1.000	1.100	-	1.15	1.00	1.00	4
Fc'	725	1.15	1.00	1.00	0.467	1.050	-	-	1.00	1.00	2
Fc'comb	725	1.60	-	-	0.355	-	-	-	-	-	5
E'	1.2 million		1.00	1.00	-	-	-	-	1.00	1.00	4
Emin'	0.44 million		1.00	1.00	-	-	-	-	1.00	1.00	4
Fc*	725	1.15	1.00	1.00	-	1.050	-	-	1.00	1.00	2

CRITICAL LOAD COMBINATIONS:

```
Shear      : LC #4  = 0.6D + 0.6W
Bending(+): LC #4  = 0.6D + 0.6W
Deflection: LC #4  = 0.6D + 0.6W  (live)
            LC #4  = 0.6D + 0.6W  (total)
Axial      : LC #2  = D + S
Combined   : LC #5  = D + 0.6W;
D=dead S=snow W=wind
All LC's are listed in the Analysis output
Load combinations: ASD Basic from ASCE 7-16 2.4
```

CALCULATIONS:

```
V = 96 lbs; M(+) = 192 lbs-ft; P = 458 lbs, (1 - fc/FcE) = 0.94
EI = 6.43e06 lb-in^2
"Live" deflection is due to all non-dead loads (live, wind, snow…)
Total deflection = 1.50 permanent + "live"
Axial d governs, l/b = 0.0, l/d = 27.4
```

Design Notes:

1. Analysis and design are in accordance with the ICC International Building Code (IBC 2021) and the National Design Specification (NDS 2018), using Allowable Stress Design (ASD). Design values are from the NDS Supplement.
2. Please verify that the default deflection limits are appropriate for your application.

WoodWorks® SOFTWARE FOR WOOD DESIGN	COMPANY	PROJECT
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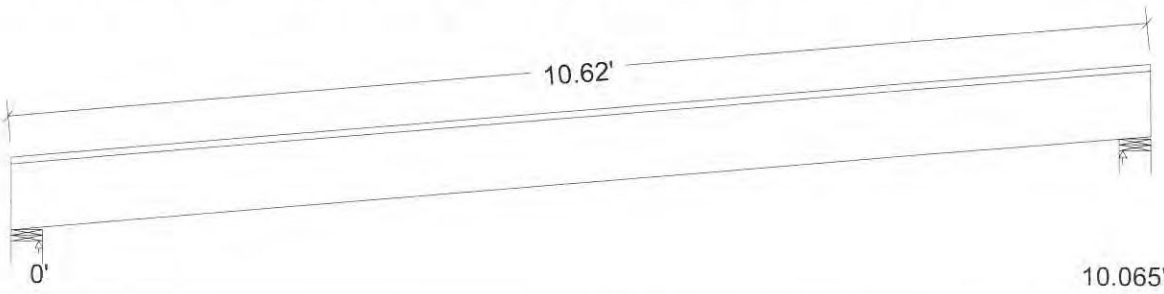
Design Check Calculation Sheet

WoodWorks Sizer 2023

Loads:

Load	Type	Distribution	Pat-tern	Location [ft] Start	End	Magnitude Start	End	Unit
Load1	Dead	Full Area				15.00(24.0")		psf
Load2	Snow	Full Area				30.00(24.0")		psf
Load3	Wind	Full Area				20.00(24.0")		psf
Self-weight	Dead	Full UDL				2.2		plf

Maximum Reactions (lbs), Bearing Capacities (lbs) and Bearing Lengths (in) :



Unfactored:			
Dead	170		170
Snow	318		318
Wind	212		212
Factored:			
Total	504		504
Bearing:			
F'theta	427		427
Capacity			
Joist	2243		2243
Support	2789		2789
Des ratio			
Joist	0.22		0.22
Support	0.18		0.18
Load comb	#3		#3
Length	3.50		3.50
Min req'd	0.79		0.79
Cb	1.00		1.00
Cb min	1.00		1.00
Cb support	-		-
Fcp sup	425		425

Bearing for wall supports is perpendicular-to-grain bearing on top plate. No stud design included.

Lumber-soft, S-P-F, No.1/No.2, 2x8 (1-1/2"x7-1/4")

Supports: All - Lumber Stud Wall, S-P-F Stud

Roof joist spaced at 24.0" c/c; Total length: 10.69'; Clear span(horz): 10.0'; Volume = 0.8 cu.ft.; Pitch: 1/12

Lateral support: top = continuous, bottom = at supports; Repetitive factor: applied where permitted (refer to online help);

This section PASSES the design code check.

Analysis vs. Allowable Stress and Deflection using NDS 2018 :

Criterion	Analysis Value	Design Value	Unit	Analysis/Design
Shear	fv = 56	Fv' = 155	psi	fv/Fv' = 0.36
Bending(+)	fb = 1068	Fb' = 1389	psi	fb/Fb' = 0.77
Live Defl'n	0.22 = L/550	0.51 = L/240	in	0.44
Total Defl'n	0.39 = L/311	0.67 = L/180	in	0.58

Additional Data:

FACTORS:	F/E(psi)	CD	CM	Ct	CL	CF	Cfu	Cr	Cfrt	Ci	LC#
Fv'	135	1.15	1.00	1.00	-	-	-	-	1.00	1.00	2
Fb'+	875	1.15	1.00	1.00	1.000	1.200	-	1.15	1.00	1.00	2
Fcp'	425	-	1.00	1.00	-	-	-	-	1.00	1.00	-
E'	1.4 million		1.00	1.00	-	-	-	-	1.00	1.00	3
Emin'	0.51 million		1.00	1.00	-	-	-	-	1.00	1.00	3

CRITICAL LOAD COMBINATIONS:

```
Shear     : LC #2  = D + S
Bending(+): LC #2  = D + S
Deflection: LC #3  = D + 0.75(S + 0.6W)  (live)
            LC #3  = D + 0.75(S + 0.6W)  (total)
Bearing   : Support 1 - LC #3 = D + 0.75(S + 0.6W)
            Support 2 - LC #3 = D + 0.75(S + 0.6W)
D=dead S=snow W=wind
All LC's are listed in the Analysis output
Load Patterns: s=S/2,  X=L+S or L+Lr,  _=no pattern load in this span
Load combinations: ASD Basic from ASCE 7-16 2.4
```

CALCULATIONS:

```
V max = 463, V design = 405 (NDS 3.4.3.1(a)) lbs; M(+) = 1169 lbs-ft
EI = 66.69e06 lb-in^2
"Live" deflection is due to all non-dead loads (live, wind, snow…)
Total deflection = 1.50 permanent + "live"
Bearing: Allowable bearing at an angle F'theta  calculated for each support
as per NDS 3.10.3
```

Design Notes:

1. Analysis and design are in accordance with the ICC International Building Code (IBC 2021) and the National Design Specification (NDS 2018), using Allowable Stress Design (ASD). Design values are from the NDS Supplement.
2. Please verify that the default deflection limits are appropriate for your application.
3. Sawn lumber bending members shall be laterally supported according to the provisions of NDS Clause 4.4.1.
4. SLOPED BEAMS: level bearing is required for all sloped beams.

WoodWorks® SOFTWARE FOR WOOD DESIGN	COMPANY	PROJECT
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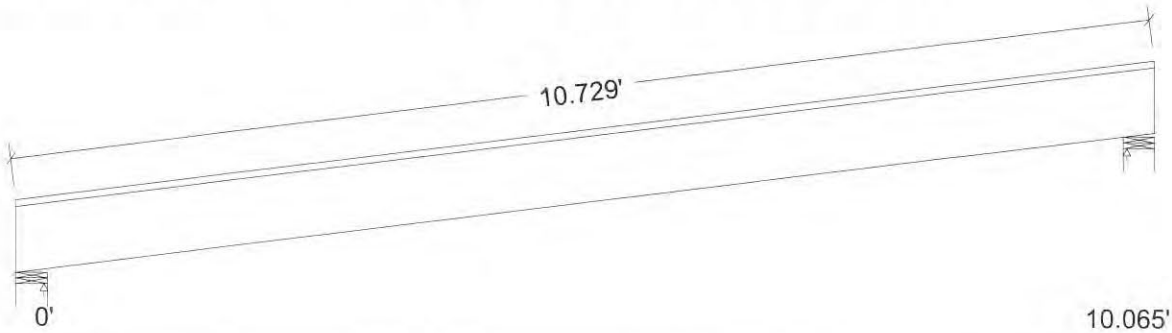
Design Check Calculation Sheet

WoodWorks Sizer 2023

Loads:

Load	Type	Distribution	Pat-tern	Location [ft] Start	End	Magnitude Start	End	Unit
Load1	Dead	Full Area				15.00(24.0")		psf
Load2	Snow	Full Area				30.00(24.0")		psf
Load3	Wind	Full Area				20.00(24.0")		psf
Self-weight	Dead	Full UDL				2.2		plf

Maximum Reactions (lbs), Bearing Capacities (lbs) and Bearing Lengths (in) :



Unfactored:			
Dead	172		172
Snow	317		318
Wind	212		212
Factored:			
Total	505		505
Bearing:			
F'theta	434		434
Capacity			
Joist	2279		2279
Support	2789		2789
Des ratio			
Joist	0.22		0.22
Support	0.18		0.18
Load comb	#3		#3
Length	3.50		3.50
Min req'd	0.78		0.78
Cb	1.00		1.00
Cb min	1.00		1.00
Cb support	-		-
Fcp sup	425		425

Bearing for wall supports is perpendicular-to-grain bearing on top plate. No stud design included.

Lumber-soft, S-P-F, No.1/No.2, 2x8 (1-1/2"x7-1/4")

Supports: All - Lumber Stud Wall, S-P-F Stud

Roof joist spaced at 24.0" c/c; Total length: 10.81'; Clear span(horz): 10.0'; Volume = 0.8 cu.ft.; Pitch: 2/12

Lateral support: top = continuous, bottom = at supports; Repetitive factor: applied where permitted (refer to online help);

This section PASSES the design code check.

Analysis vs. Allowable Stress and Deflection using NDS 2018 :

Criterion	Analysis Value	Design Value	Unit	Analysis/Design
Shear	fv = 56	Fv' = 155	psi	fv/Fv' = 0.36
Bending(+)	fb = 1071	Fb' = 1389	psi	fb/Fb' = 0.77
Live Defl'n	0.23 = L/541	0.51 = L/240	in	0.44
Total Defl'n	0.40 = L/305	0.68 = L/180	in	0.59

Additional Data:

FACTORS:	F/E(psi)	CD	CM	Ct	CL	CF	Cfu	Cr	Cfrt	Ci	LC#
Fv'	135	1.15	1.00	1.00	-	-	-	-	1.00	1.00	2
Fb'+	875	1.15	1.00	1.00	1.000	1.200	-	1.15	1.00	1.00	2
Fcp'	425	-	1.00	1.00	-	-	-	-	1.00	1.00	-
E'	1.4 million		1.00	1.00	-	-	-	-	1.00	1.00	3
Emin'	0.51 million		1.00	1.00	-	-	-	-	1.00	1.00	3

CRITICAL LOAD COMBINATIONS:

```
Shear      : LC #2  = D + S
Bending(+): LC #2  = D + S
Deflection: LC #3  = D + 0.75(S + 0.6W)   (live)
            LC #3  = D + 0.75(S + 0.6W)   (total)
Bearing    : Support 1 - LC #3 = D + 0.75(S + 0.6W)
             Support 2 - LC #3 = D + 0.75(S + 0.6W)
D=dead S=snow W=wind
All LC's are listed in the Analysis output
Load Patterns: s=S/2,  X=L+S or L+Lr,  _=no pattern load in this span
Load combinations: ASD Basic from ASCE 7-16 2.4
```

CALCULATIONS:

```
V max = 460, V design = 402 (NDS 3.4.3.1(a)) lbs; M(+) = 1173 lbs-ft
EI = 66.69e06 lb-in^2
"Live" deflection is due to all non-dead loads (live, wind, snow…)
Total deflection = 1.50 permanent + "live"
Bearing: Allowable bearing at an angle F'theta  calculated for each support
as per NDS 3.10.3
```

Design Notes:

1. Analysis and design are in accordance with the ICC International Building Code (IBC 2021) and the National Design Specification (NDS 2018), using Allowable Stress Design (ASD). Design values are from the NDS Supplement.
2. Please verify that the default deflection limits are appropriate for your application.
3. Sawn lumber bending members shall be laterally supported according to the provisions of NDS Clause 4.4.1.
4. SLOPED BEAMS: level bearing is required for all sloped beams.

B.3 Fastener Schedule

MINIMUM FASTENER SCHEDULE TABLE

Other interior and exterior panel products and finishes installed per manufacturer requirements.

For engineered connectors, use manufacturer's specified fasteners.

Description of Building Materials/Connection	Number and Type of Fastener[1 2 3]
Floor Framing	
Joist to joist, face nailed over support	2–12d
Joist to sill or girder, toe nail	2–16d, 3–8d
Band or rim joist to joist, end nail	3–16d
Band or rim joist to sill or top plate	2–16d at 16″ o.c.
Bridging to joist, toe nail each end	2–8d
Built–up girder and beams, top loaded	10d at 32″ o.c. at top and bottom and staggered and two at ends and at each splice
Built–up girder and beams, side–loaded	16d at 16″ o.c. at top and bottom and staggered and two at ends and at each splice
Ledger strip to beam, face nail	3–16d each joist
Joist on ledger to beam, toe nail	3–8d
Wall Framing	
Sole plate to joist or blocking, face nail	16d at 16″ o.c.
Top or sole plate to stud, end nail	2–16d
Stud to sole plate, toe nail	4–8d or 3–16d
Doubled studs, face nail	16d at 24″ o.c.
Doubled top plates, face nail	16d at 16″ o.c.
Top plates, laps and intersections, face nail	2–16d
Continuous header, two pieces	16d at 16″ o.c. along each edge
Continuous header to stud, toe nail	4–8d
1″ corner brace to each stud and plate, face nail	2–8d or 2 staples, 1¾″
Built–up corner studs	16d at 30″ o.c., 16d at 24″ o.c.
Roof/Ceiling Framing	
Ceiling joists to plate, toe nail	2–16d, 3–8d
Ceiling joist, laps over partitions, face nail	3–16d
Ceiling joist to parallel rafters, face nail	3–16d
Rafter to plate, toe nail (maximum 6 rafter span, engineered connector for longer)	2–16d, 3–8d
Roof rafters to ridge, valley or hip rafters, toe nail	4–16d
Roof rafters to ridge, valley or hip rafters, face nail	3–16d
Collar ties to rafters, face nail	3–8d
Boards and planks	
1″ x 6″ subfloor or less to each joist, face nail	2–8d or 2 staples, 1¾″
Wider than 1″ x 6″ subfloor toe to each joist, face nail	3–8d or 4 staples 1¾″
2″ subfloor to joist or girder, blind and face nail	2–16d
1″ x 6″ roof or wall sheathing to each bearing, face nail	2–8d or 2 staples, 1¾″
1″ x 8″ roof or wall sheathing to each bearing, face nail	2–8d or 3 staples, 1¾″
Wider than 1″ x 8″ roof sheathing to each bearing, face nail	3–8d or 4 staples, 1¾″
2″ planks	2–16d at each bearing

Panel Sheathing

Material	Fastener	Spacing of Fastener	
		Edges	Intermediate Supports
Engineered wood panel for subfloor and roof sheathing and wall corner wind bracing to framing			
5/16" to ½"	6d common or deformed nail or staple, 1½"	6"	12" [4]
5/8" to ¾"	8d smooth or common, 6d deformed nail, or staple, 14 ga. 1¾"	6"	12" [4]
7/8" to 1"	8d common or deformed nail	6"	12"
1 1/8" to 1¼"	10d smooth or common, or 8d deformed nail	6"	12"
Combination subfloor/ underlayment to framing			
¾" or less	6d deformed or 8d smooth or common nail	6"	12"
7/8" to 1"	8d smooth, common or deformed nail	6"	12"
1 1/8" to 1 ¼"	10d smooth or common or 8d deformed nail	6"	12"
Wood panel siding to framing			
½" or less	6d corrosion–resistant siding and casing nails	6"	12"
5/8"	8d corrosion–resistant siding and casing nails	6"	12"
½" structural cellulosic fiberboard sheathing	1½" galvanized roofing nail; 8d common nail; staple 16 ga., 1½" long	3"	6"
25/32" structural cellulosic fiberboard sheathing	1¾" galvanized roofing nail; 8d common nail; staple 16 ga., 1⅜" long	3"	6"
½" gypsum sheathing[5]	1½" galvanized roofing nail; 6d common nail; staple galvanized 1½" long; 1¼" screws, Type W or S	4"	8"
5/8" gypsum sheathing[5]	1¾" galvanized roofing nail; 8d common nail; staple galvanized 1 5/8" long; 1 5/8" screws, Type W or S	4"	8"

[1] All nails are smooth–common, box or deformed shank except where otherwise stated.

[2] Nail is a general description and may be T–head, modified round head or round head.

[3] Staples are 16–gauge wire, unless otherwise noted, and have a minimum 7/16" o.d. crown width.

[4] Staples shall be spaced at not more than 10" o.c. at intermediate supports for floors.

[5] Apply vertically 4' x 8' or 4' x 9' panels.

Wolff Residence - Garage Addition

Design Documents for Village Approval

DRAWING INDEX		
REV	NUMBER	SHEET NAME
	A000	SITE PLAN
	A100	DEMOLITION PLAN/ELEV.
	A200	FOUNDATION PLAN
	A201	FRAMING PLAN
	A202	RAFTER PLAN
	A300	SECTION
	A400	ELEVATION
	A401	ELEVATION
	A500	DETAILS
	A600	PERSPECTIVE

Wolff Residence - Garage Addition

7528 N Links Way
Fox Point, WI
53217

Architect :
Brian Wolff
7528 N Links Way
Fox Point, WI

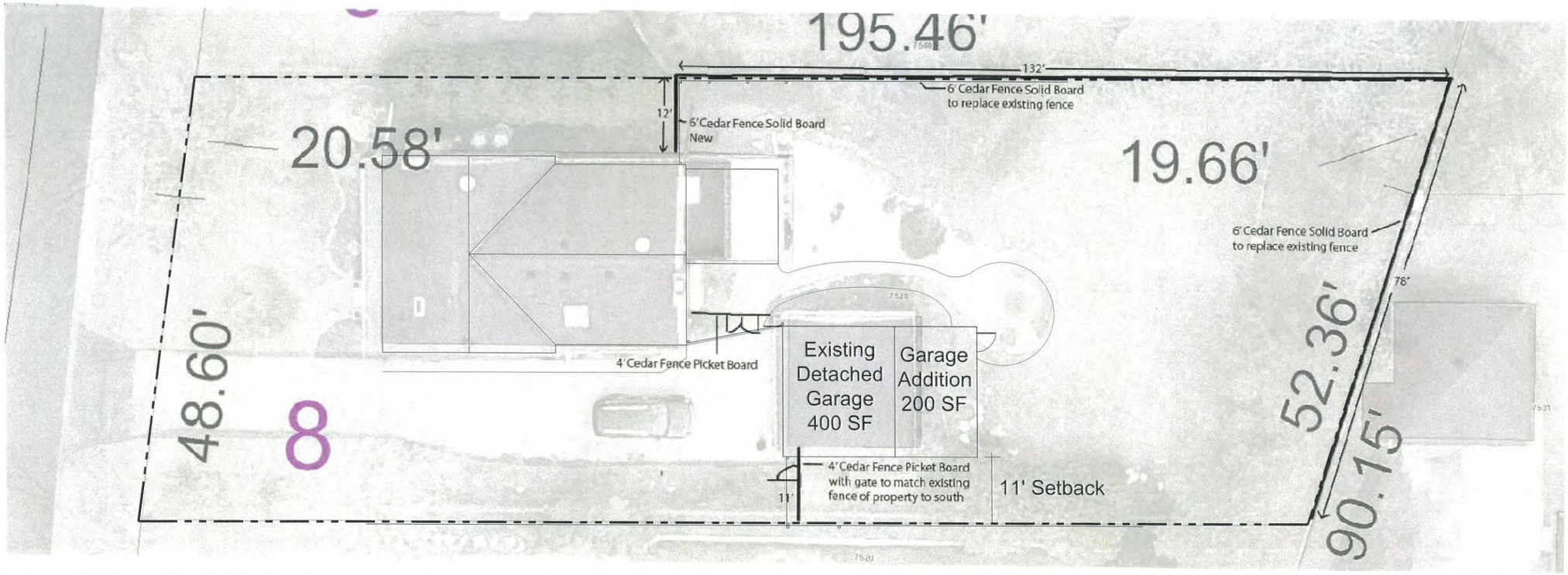
Date: August 21, 2024

Village Planning Approval

Wolff Residence - Garage Addition

7528 N Links Way
Fox Point, WI
53217

Architect :
Brian Wolff
7528 N Links Way
Fox Point, WI



NON DWELLING LAND USE

PARCEL AREA	13,329 SF
EXISTING DETACHED GARAGE	400 SF
GARAGE ADDITION	200 SF
NON DWELLING LAND USE =	4.5%

N

1 Site Plan / Land Use
NOT TO SCALE

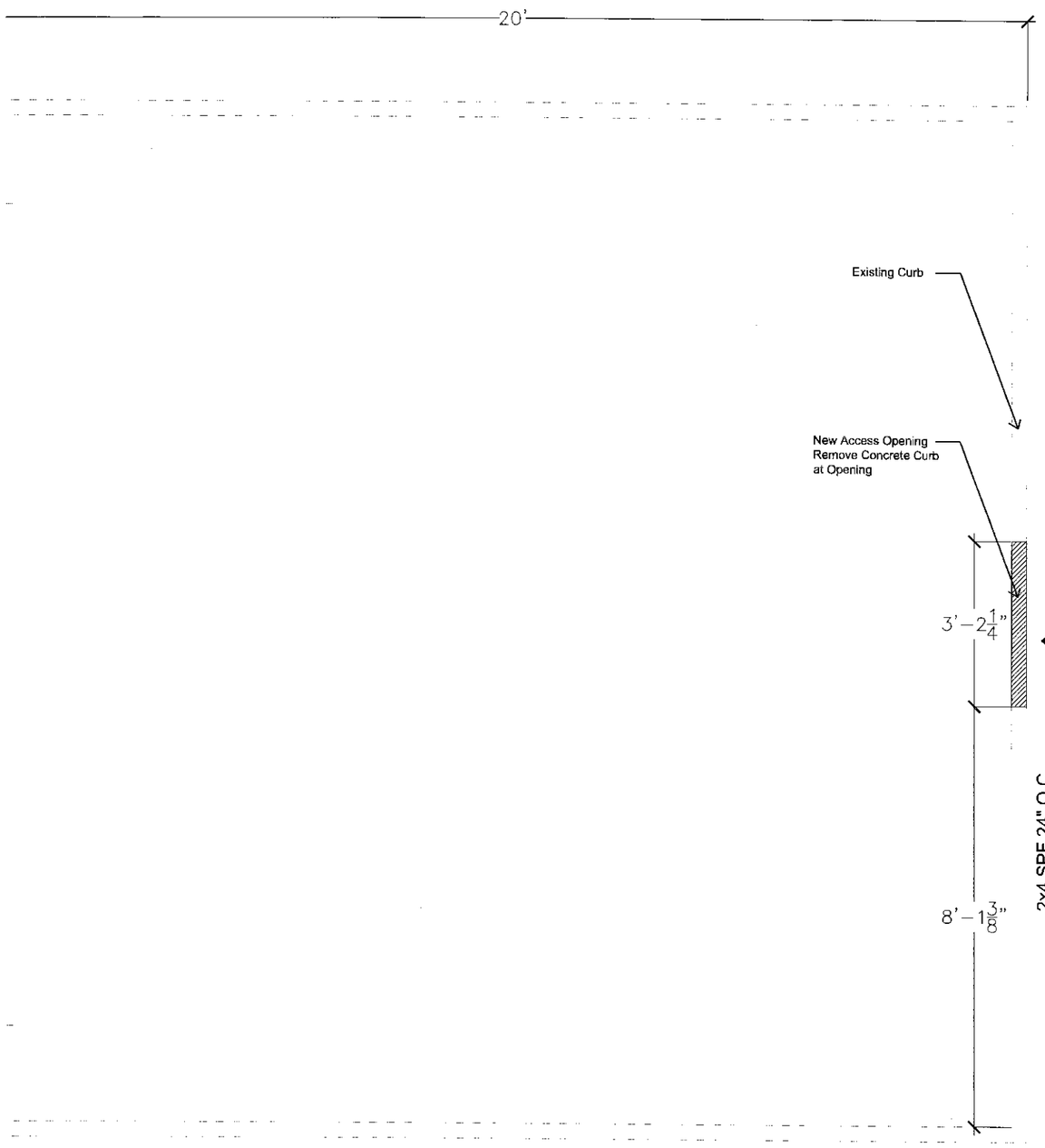
Site Plan

Design Documents for Village Approval

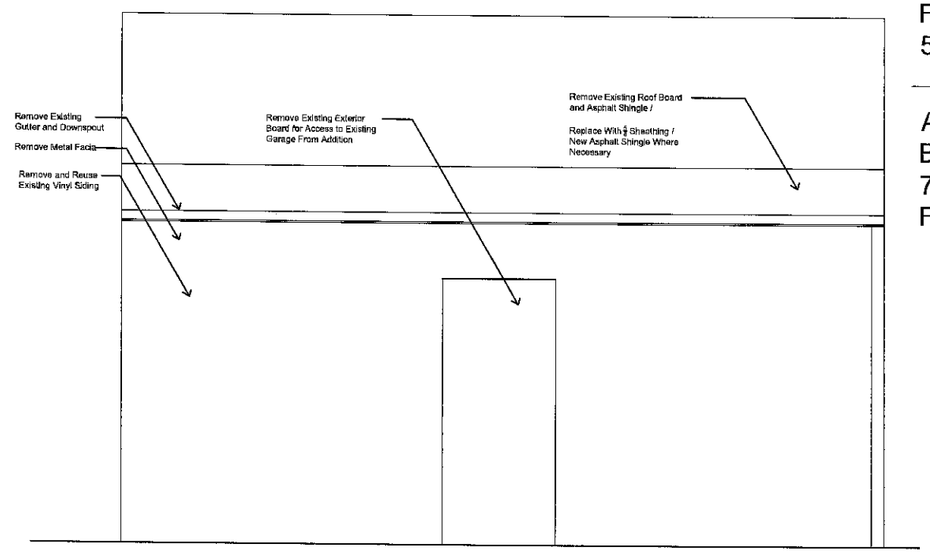
Date: August 21, 2024

Village Planning Approval

A000



1 DEMOLITION PLAN
SCALE: 3/8" = 1'-0"



2 Existing East Elevation - Demolition
SCALE: 1/4" = 1'-0"

Wolff Residence - Garage Addition

7528 N Links Way
Fox Point, WI
53217

Architect :
Brian Wolff
7528 N Links Way
Fox Point, WI

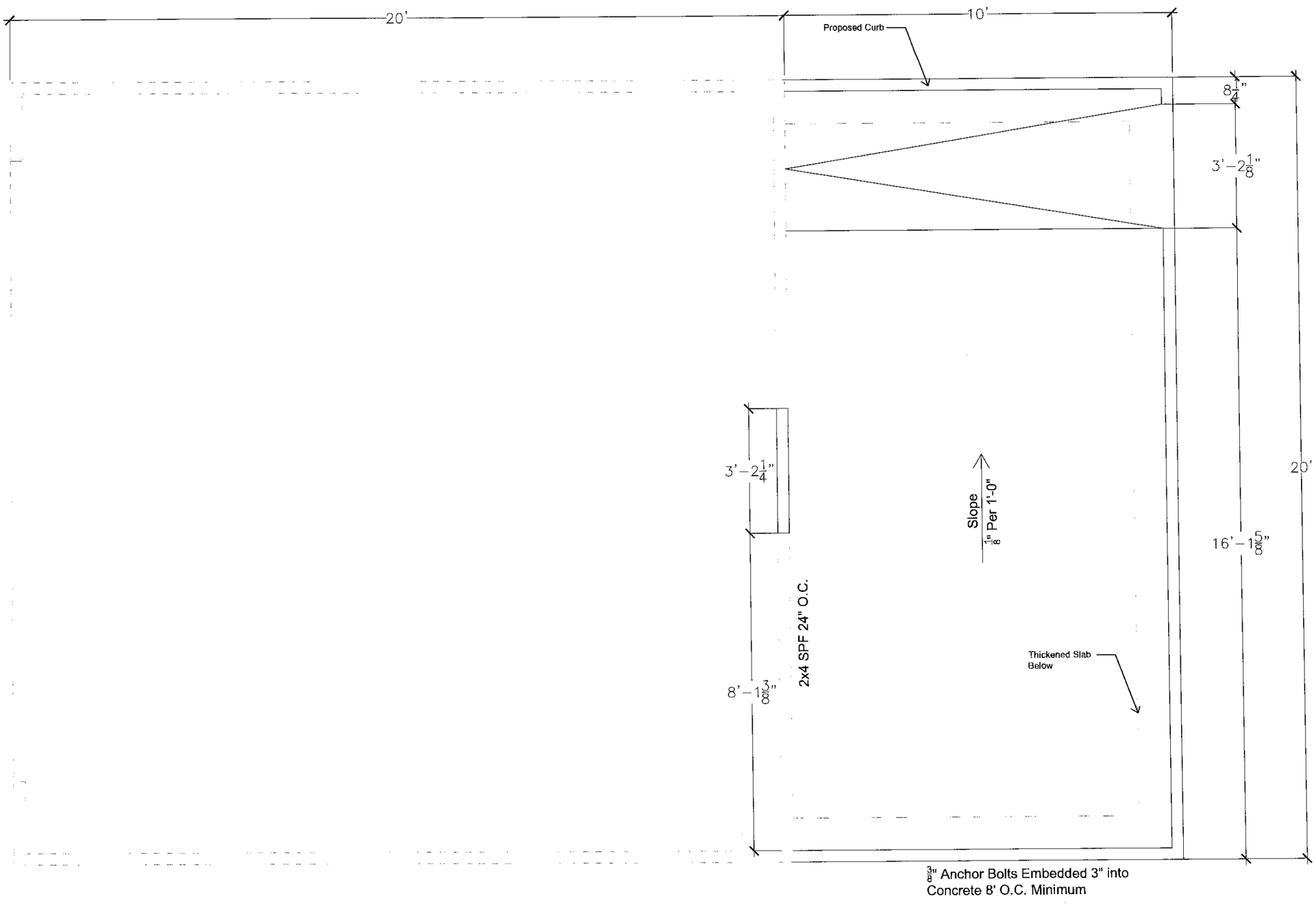
Demolition

Design Documents for Village Approval

Date: August 21, 2024

Village Planning Approval

A100



1 FOUNDATION PLAN

SCALE: 3/8" = 1'-0"

Wolff Residence - Garage Addition

7528 N Links Way
Fox Point, WI
53217

Architect :
Brian Wolff
7528 N Links Way
Fox Point, WI

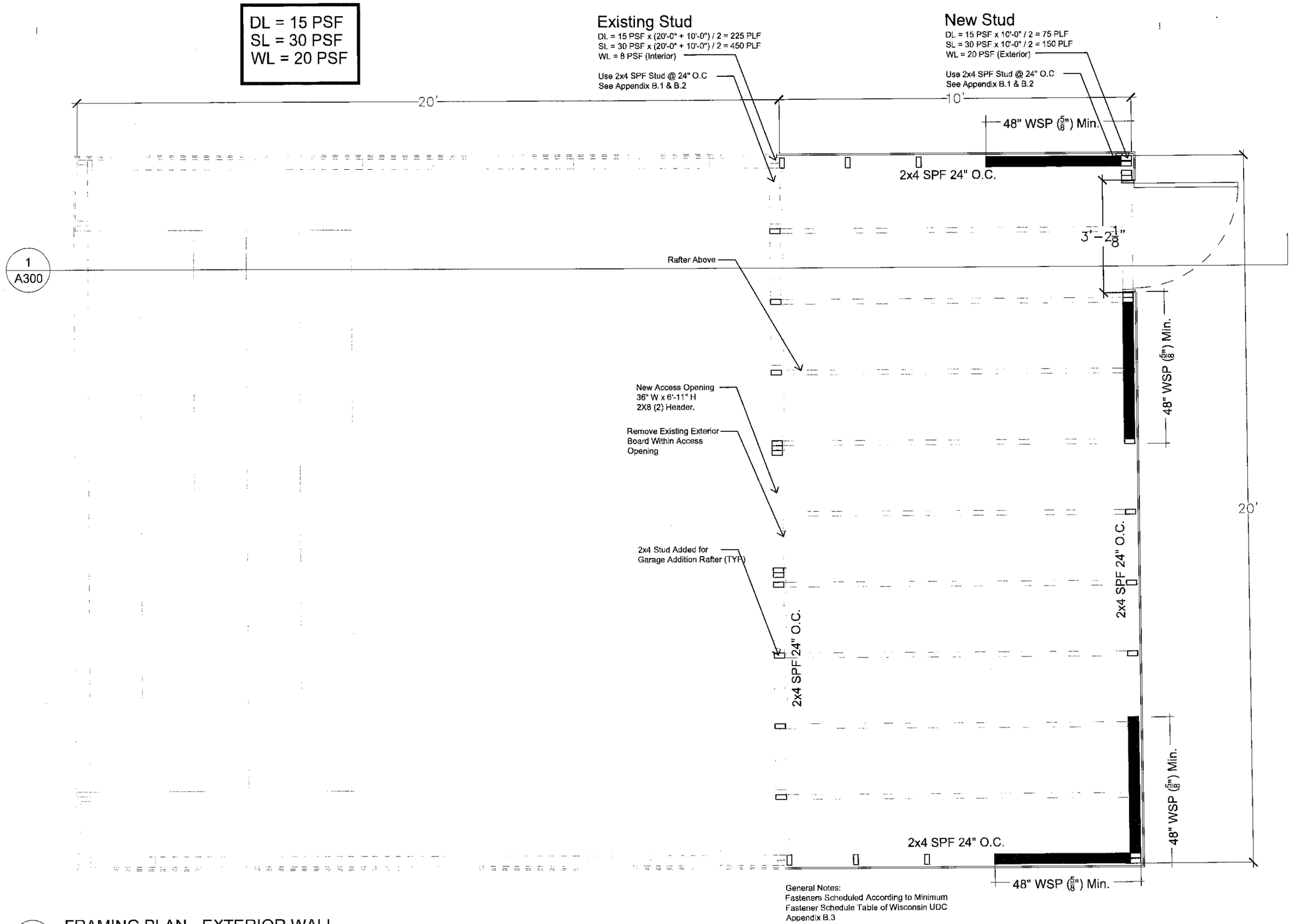
Foundation Plan

Design Documents for Village Approval

Date: August 21, 2024

Village Planning Approval

A200



1 FRAMING PLAN - EXTERIOR WALL

SCALE: 3/8" = 1'-0"

Wolff Residence - Garage Addition

7528 N Links Way
Fox Point, WI
53217

Architect :
Brian Wolff
7528 N Links Way
Fox Point, WI

Framing Plan

Design Documents for Village Approval

Date: August 21, 2024

Village Planning Approval

A201

General Notes:
Fasteners Scheduled According to Minimum Fastener Schedule Table of Wisconsin UDC Appendix B.3

1 FRAMING PLAN - RAFTER
SCALE: 3/8" = 1'-0"

Wolff Residence - Garage Addition

7528 N Links Way
Fox Point, WI
53217

Architect :
Brian Wolff
7528 N Links Way
Fox Point, WI

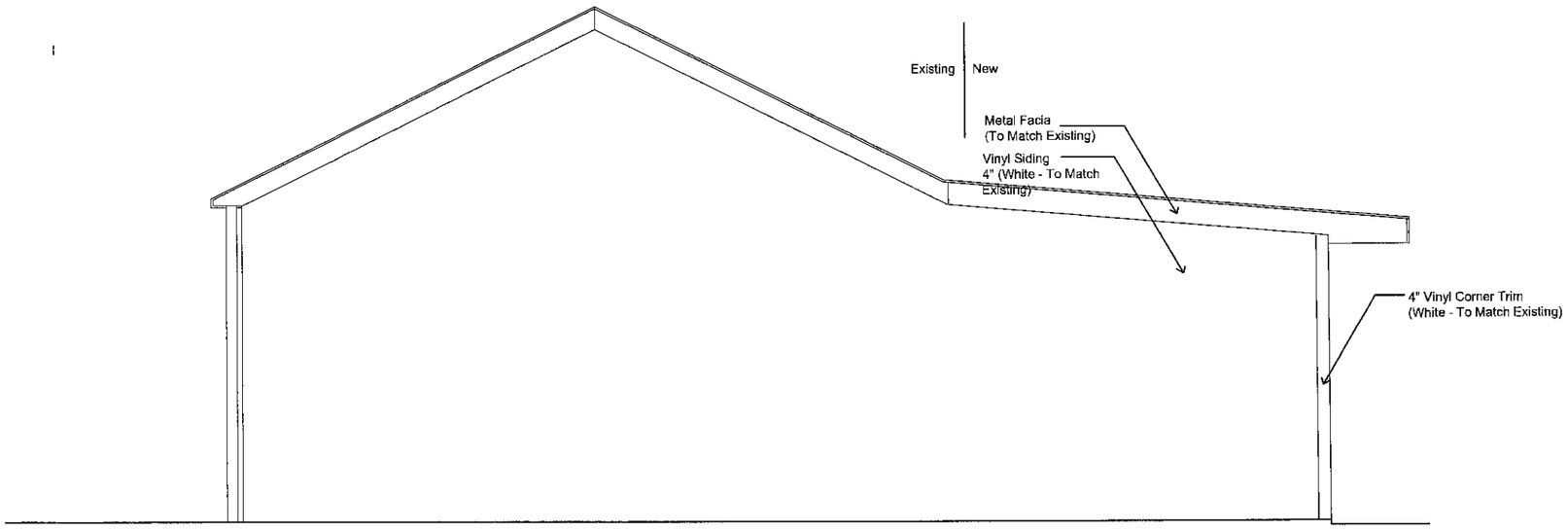
Framing Plan - Roof

Design Documents for Village Approval

Date: August 21, 2024

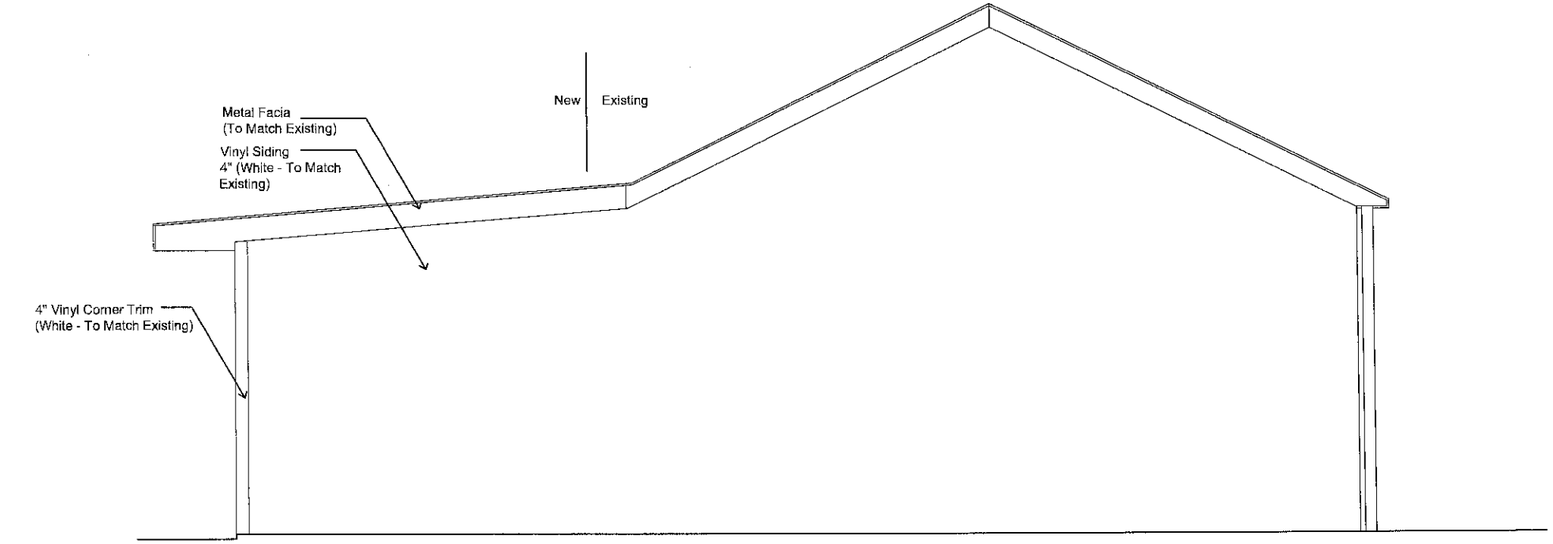
Village Planning Approval

A202



1 SOUTH ELEVATION

SCALE: 1/4" = 1'-0"



2 NORTH ELEVATION

SCALE: 1/4" = 1'-0"

Wolff Residence - Garage Addition

7528 N Links Way
Fox Point, WI
53217

Architect :
Brian Wolff
7528 N Links Way
Fox Point, WI

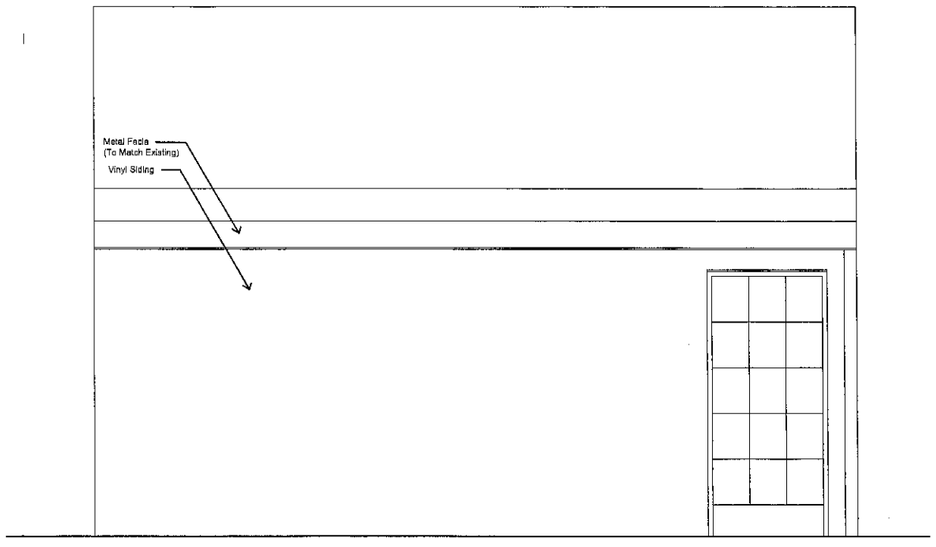
Elevation

Design Documents for Village Approval

Date: August 21, 2024

Village Planning Approval

A400



1 EAST ELEVATION

SCALE: 1/4" = 1'-0"

Wolff Residence - Garage Addition

7528 N Links Way
Fox Point, WI
53217

Architect :
Brian Wolff
7528 N Links Way
Fox Point, WI

Elevation

Design Documents for Village Approval

Date: August 21, 2024

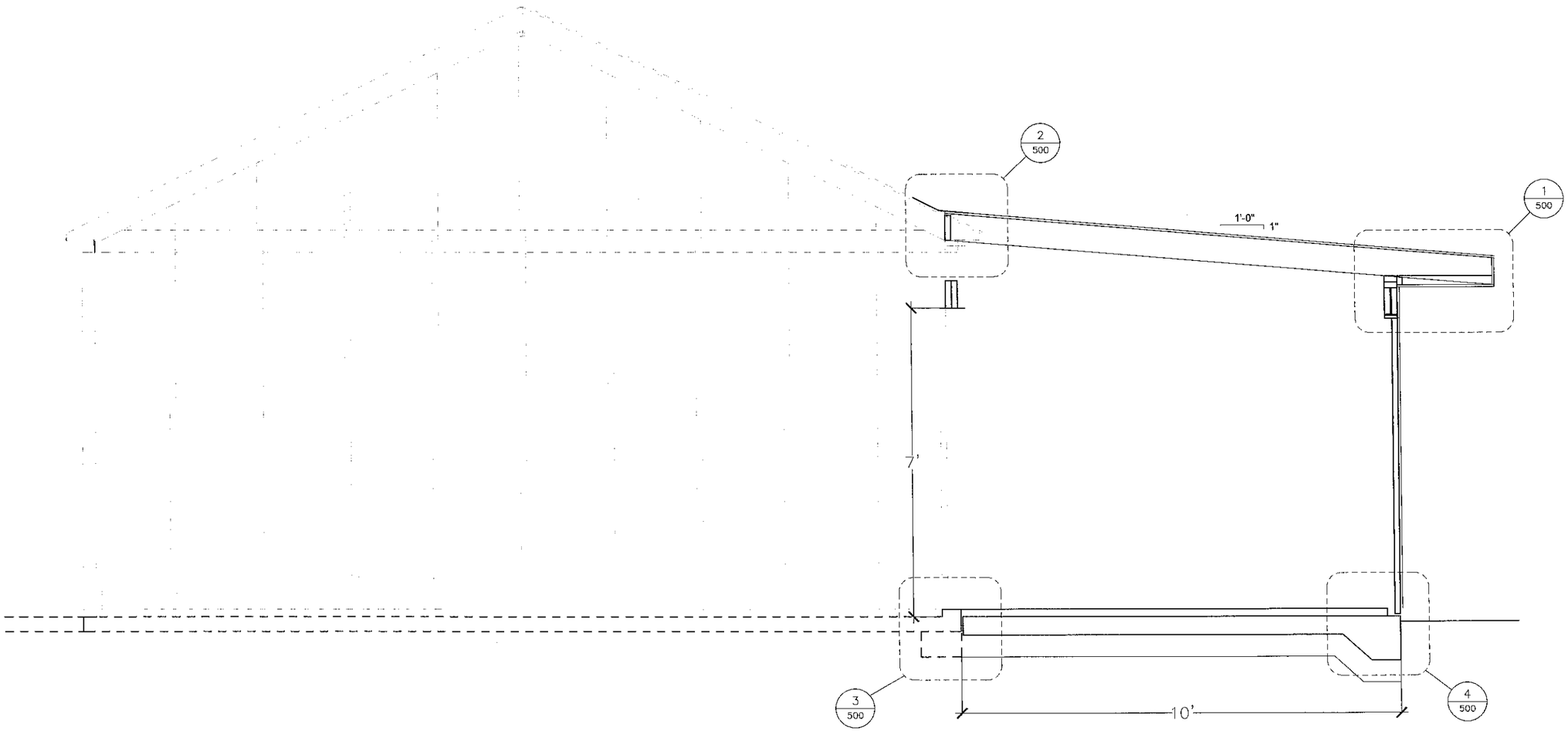
Village Planning Approval

A401

Wolff Residence - Garage Addition

7528 N Links Way
Fox Point, WI
53217

Architect :
Brian Wolff
7528 N Links Way
Fox Point, WI



1 SECTION
SCALE: 3/8" = 1'-0"

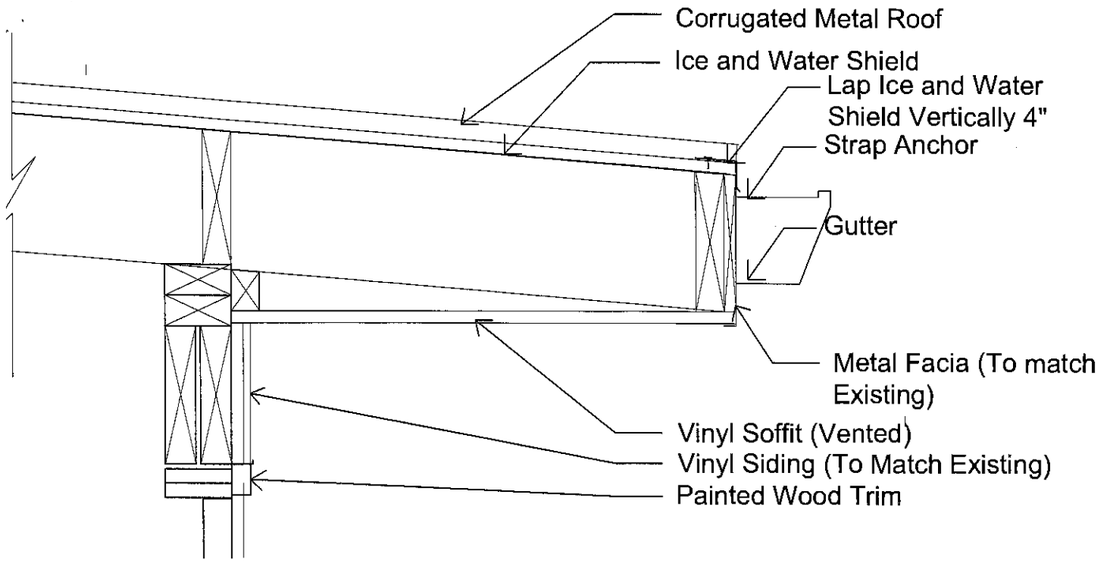
Section

Design Documents for Village Approval

Date: August 21, 2024

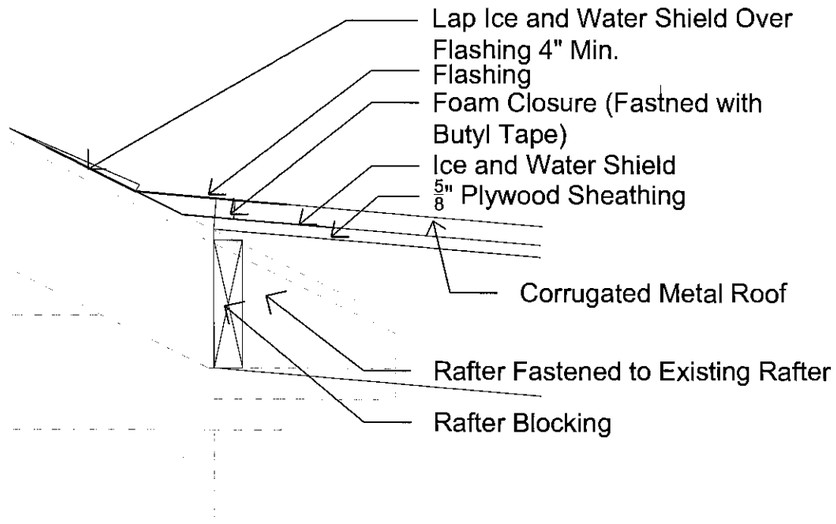
Village Planning Approval

A300



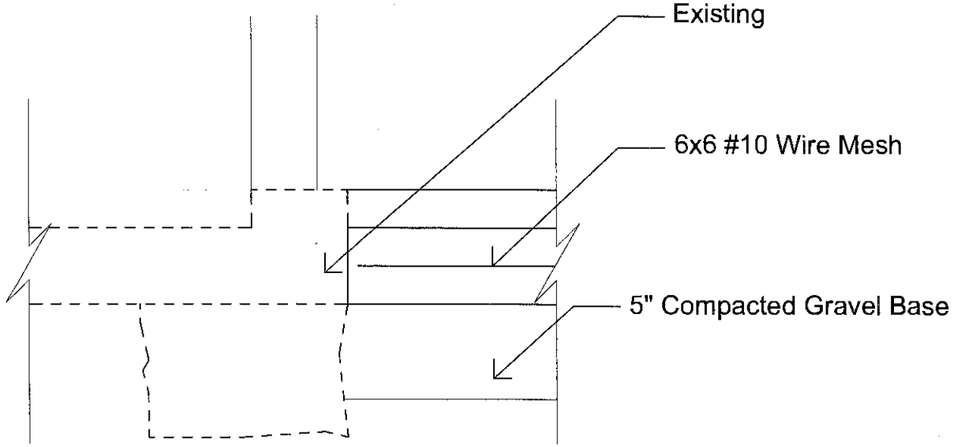
1 SOFFIT @ EXTERIOR DOOR

SCALE: 1-1/2" = 1'-0"



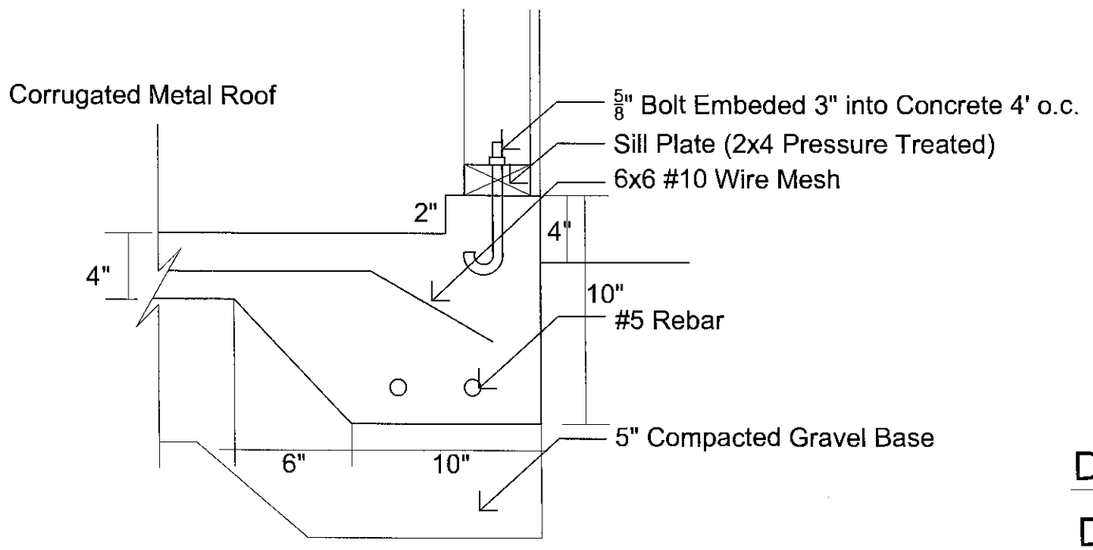
2 ASPHALT TO STEEL ROOF TRANSITION

SCALE: 1-1/2" = 1'-0"



3 North Elevation

SCALE: 1-1/2" = 1'-0"



4 Thickened Slab

SCALE: 1-1/2" = 1'-0"

Wolff Residence - Garage Addition

7528 N Links Way
Fox Point, WI
53217

Architect :
Brian Wolff
7528 N Links Way
Fox Point, WI

Details

Design Documents for Village Approval

Date: August 21, 2024

Village Planning Approval

A500

Wolff Residence - Garage Addition

7528 N Links Way
Fox Point, WI
53217

Architect :
Brian Wolff
7528 N Links Way
Fox Point, WI

1 PERSPECTIVE FACING REAR ENTRY
SCALE: NOT TO SCALE

Perspective

Design Documents for Village Approval

Date: August 21, 2024

Village Planning Approval

A600

VILLAGE OF FOX POINT

VILLAGE OF FOX POINT
7200 N Santa Monica Blvd
Fox Point, WI 53217
(414) 247-6622
www.villageoffoxpoint.com

Permit Number:

B- _____

OFFICE USE ONLY
Issued Date
Zoning

BUILDING PERMIT

Job Address 7402 N Crossway Road	**Building Type:** Residential [X] Commercial [ ]
Description of Work Replace existing window - raising sill approximately approximately 14" to match height of 2nd kitchen window. Adding a new sill 2x4 or 2x6 with sleeper studs supporting sill 16" on center. No alteration to the header. Will add new OSV to the exterior of newly raised opening followed by a waterbarrier then LP Smart Side with trim and caulk	
Estimated Cost of Project $ 1,800.00	

Owner/Occupant	
Business Name -	Contact Name Lisa Friedel
Address 7402 N Crossway Rd	City/State/Zip Fox Point WI 53217
Phone 262-212-0597	Email Ohiflossa@gmail.com

Cautionary Statement required when homeowner is applying for permit

Contractor	
Company Name Infinity Exteriors	Contact Name Zac Drew
Address 16600 W. Cleveland Ave.	City/State/Zip New Berlin WI 53151
Phone 262-221-2269	Email Zac@infinityroofing.com
Dwelling Contractor #	Dwelling Contractor Qualifier #

Square Footage Under Construction				
1st Floor	2nd Floor	Basement	Addition	Garage

Description		Rate	Amount
Project - Per $1,000 of estimated cost		$10.00	10.00
Building Board		$75.00	75.00
Footing early start - $230.00 one and two family; $305.00 commercial			
Plan Review - $275.00 one and two family; New Single Family Construction $330.00 plus $30.00/unit commercial			
State Seal		$75.00	
Razing, Interior Demolition $925.00 max/bld	$95.00 minimum plus	$0.13/sqft	
Moving buildings	$250.00 plus	$0.13/sqft	
Fuel tanks - Per 1,000 gallons		$25.00	
Re-inspection		$100.00	
Work started without permit		**Double**	
	Minimum Fee	**$70.00**	70.00
Payable to: Village of Fox Point	**Total Permit Fee**	**$**	~~85.00~~ 145.00

Applicant Signature _____ **Date** 8-28-24

Rev 01/22

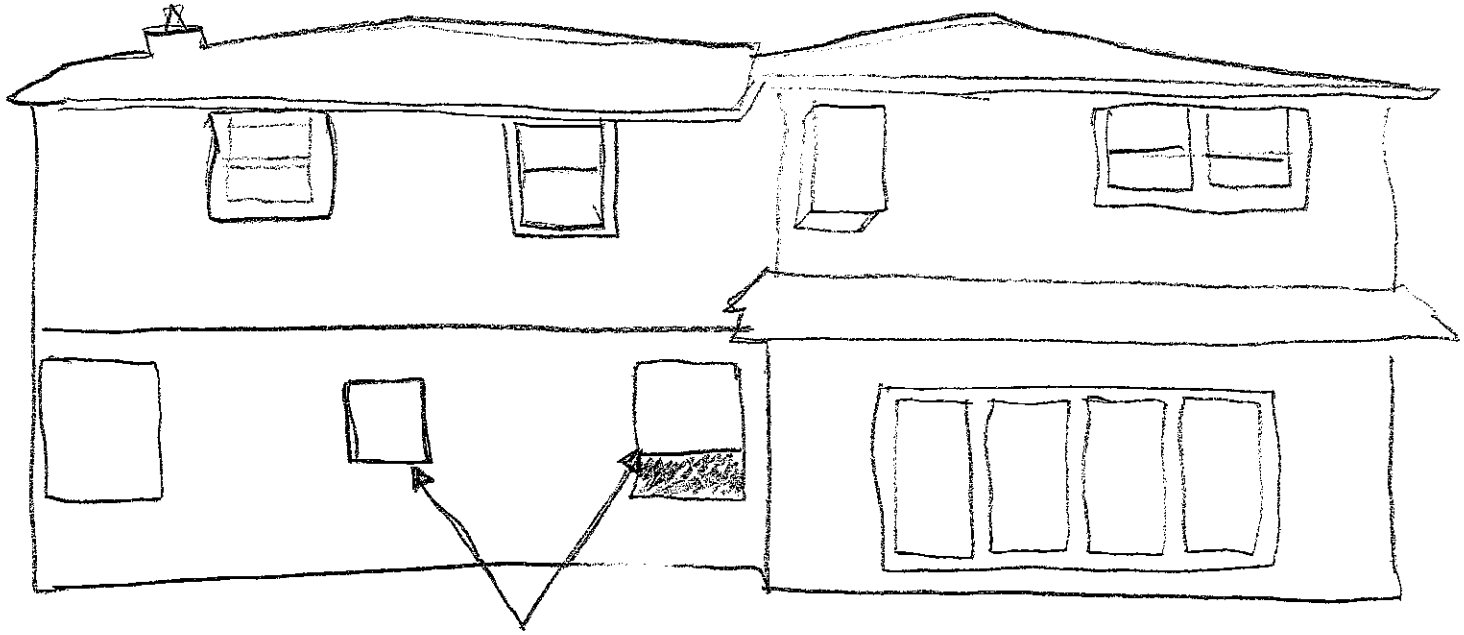
ISSUED PERMITS are available on the Village website under *PERMITS & LICENSES*

Receipt No: 3.119735 Sep 2, 2024

7402 N CROSSWAY

Previous Balance:	.00
LICENSES & PERMITS	
BUILDING PERMIT	70.00
24-44460	
BUILDING PERMIT	
LICENSES & PERMITS	
BUILDING PLANS - FILING FEE	75.00
24-44440	
BUILDING PLANS-FILING FEE	
Total:	145.00
CHECK	
Check No: 2613	145.00
Total Applied:	145.00
Change Tendered:	.00

08/30/2024 8:03 AM



Both Kitchen windows will have the same Sill height

7402 N Crossway Road

VILLAGE OF FOX POINT

VILLAGE OF FOX POINT
7200 N Santa Monica Blvd
Fox Point, WI 53217
(414) 247-6622
www.villageoffoxpoint.com

Permit Number:

B- _____

OFFICE USE ONLY
Issued Date
Zoning B, 55-

BUILDING PERMIT

Job Address 7630 N BOYD WAY	**Building Type:** Residential [X] Commercial [ ]
Description of Work	
SECOND STORY REAR ADDITION	
Estimated Cost of Project $	

Owner/Occupant			
Business Name	LAURIE BERGUM	Contact Name	LAURIE BERGUM
Address	7630 N BOYD WAY	City/State/Zip	FOX POINT, WI 53217
Phone	608-669-4923	Email	Keith@kcbbuildings.com

Cautionary Statement required when homeowner is applying for permit*

Contractor	
Company Name	Contact Name
Address	City/State/Zip
Phone	Email
Dwelling Contractor #	Dwelling Contractor Qualifier #

Square Footage Under Construction				
1st Floor	2nd Floor	Basement	Addition	Garage
	225			

Description		**Rate**	**Amount**
Project - Per $1,000 of estimated cost		$10.00	
Building Board		$75.00	75-
Footing early start - $230.00 one and two family; $305.00 commercial			
Plan Review - $275.00 one and two family; New Single Family Construction $330.00 plus $30.00/unit commercial			
State Seal		$75.00	
Razing, Interior Demolition $925.00 max/bld	$95.00 minimum plus	$0.13/sqft	
Moving buildings	$250.00 plus	$0.13/sqft	
Fuel tanks - Per 1,000 gallons		$25.00	
Re-inspection		$100.00	
Work started without permit		**Double**	
	Minimum Fee	**$70.00**	
Payable to: Village of Fox Point	**Total Permit Fee**		$ 75-

Applicant Signature Keith Barnes **Date** 8/30/2024

Rev 01/22

ISSUED PERMITS are available on the Village website under *PERMITS & LICENSES*

Receipt No: 3.119737 Sep 2, 2024

7630 N BOYD

Previous Balance:	.00
LICENSES & PERMITS	
BUILDING PLANS - FILING FEE	75.00
24-44440	
BUILDING PLANS-FILING FEE	
Total:	75.00
CHECK	
Check No: 957	75.00
Total Applied:	75.00
Change Tendered:	.00

Duplicate Copy
08/30/2024 9:51 AM

REGIONAL CONSULTING ENGINEERS, INC.

PROFESSIONAL ENGINEERS AND SURVEYORS

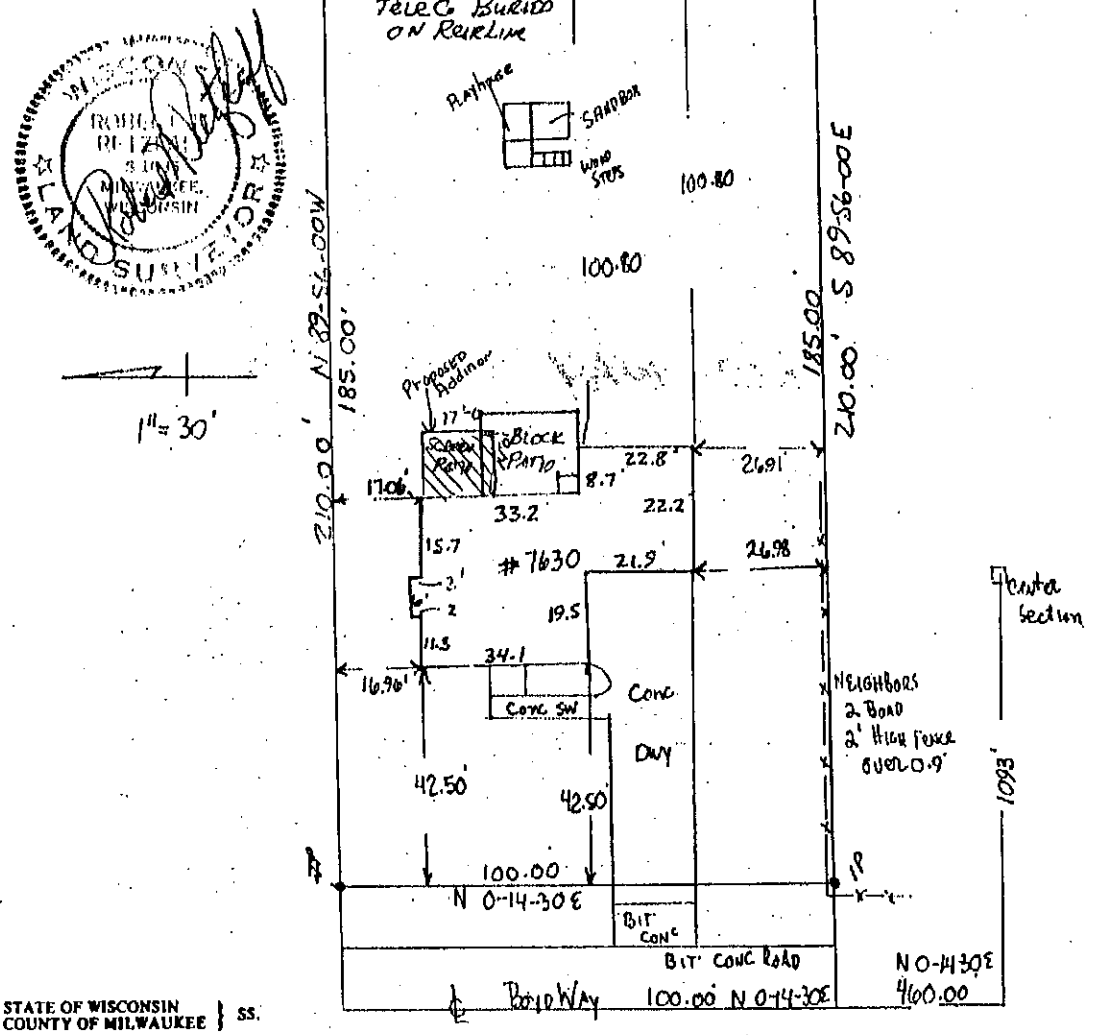
4842 NO. 88TH ST. MILWAUKEE, WISCONSIN PHONE 464-4638

PLAT OF SURVEY

DESCRIPTION: All that part of the NW 1/4 of Section 16, Township 8 North, Range 22 East in the Village of Fox Point, Milwaukee County, Wisconsin described as follows:Commencing at a point in the east and west 1/4 line, 1093 feet, N 89° 56' 00" W of the center of the said Section 16; running thence N 00° 14' 30" E, 460.00 feet to the place of beginning of the lands to be described; thence S 89°56' 00" E, 210.00 feet; thence N00° 14' 30" E, 100.00 feet; thence N 89° 56' 00" W, 210.00 feet to a point in the center of a reservation for highway purposes 50 feet in width; thence S 00° 14' 30" W, along the centerline of said reservation for highway purposes, 100.00 feet to the place of beginning. Excepting therefrom the westerly 25 feet for highway purposes.

OWNERS: Daniel and Holly Morse, 7630 North Boyd Way, Fox Point

This is not the original copy if surveyor's signature is not in red



STATE OF WISCONSIN } SS.
COUNTY OF MILWAUKEE }

I HAVE SURVEYED THE ABOVE-DESCRIBED PROPERTY AND THE ABOVE MAP IS A TRUE REPRESENTATION THEREOF AND SHOWS THE SIZE AND LOCATION OF THE PROPERTY, ITS EXTERIOR BOUNDARIES, THE LOCATION AND DIMENSIONS OF ALL VISIBLE STRUCTURES THEREON, FENCES, APPARENT EASEMENTS AND ROADWAYS AND VISIBLE ENCROACHMENTS, IF ANY.

THIS SURVEY IS MADE FOR THE EXCLUSIVE USE OF THE PRESENT OWNERS OF THE PROPERTY, AND ALSO THOSE WHO PURCHASE, MORTGAGE, OR GUARANTEE THE TITLE THERETO WITHIN ONE (1) YEAR FROM DATE HEREOF; AND AS TO THEM I CERTIFY THE ACCURACY OF SAID SURVEY AND MAP.

NOTE: AN AGREEMENT EXISTS BETWEEN REGIONAL CONSULTING ENGINEERS, INC. AND THE LENDING INSTITUTION TO OMIT THE RESETTING OF ANY MISSING LOT CORNER PIPES ON THIS SURVEY UNLESS SPECIFICALLY REQUESTED AT THE TIME OF SURVEY ORDER PLACEMENT.

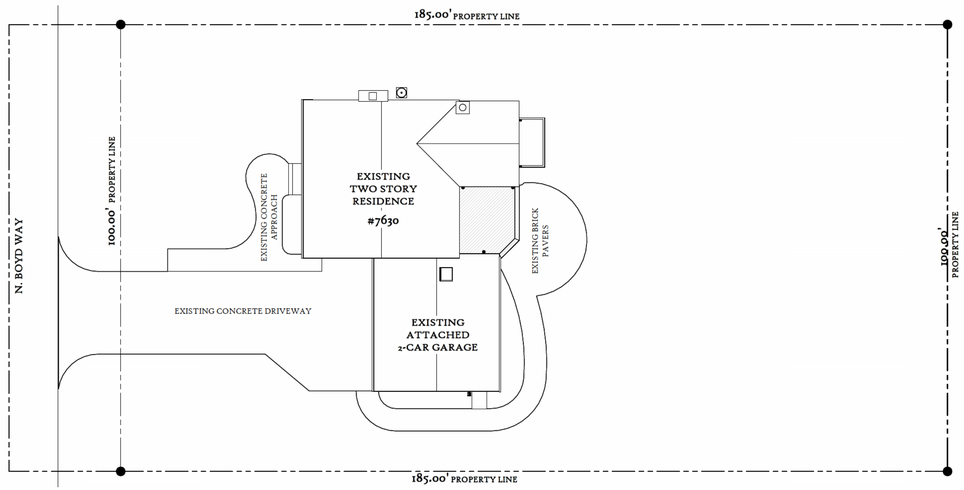
DATED THIS 4th DAY OF March 19 88 .

Robert M Kelliff
SURVEYOR

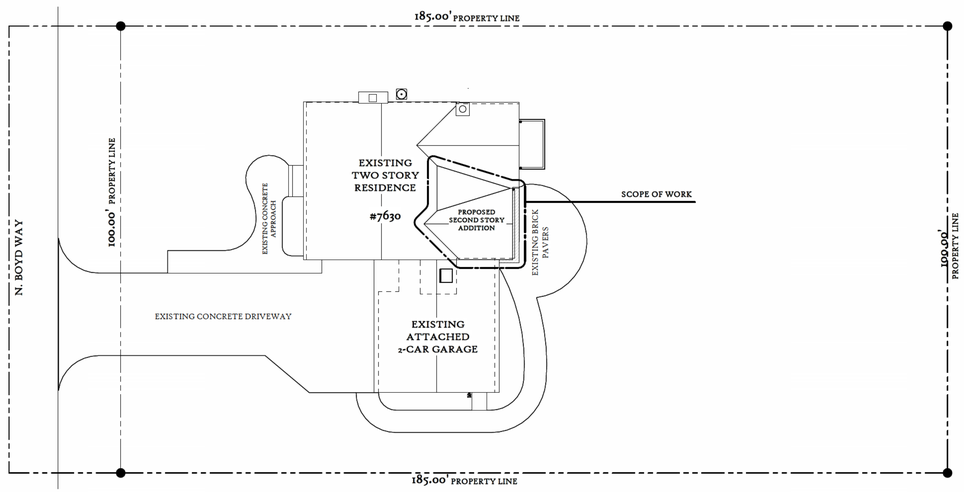
JOB NO _____

RESIDENTIAL REAR ADDITION

Bergum Residence - 7630 N Boyd Way



4 Existing Site Plan
1/16" = 1'-0"



1 Proposed Site Plan
1/16" = 1'-0"

SITE DRAINAGE & EROSION GENERAL NOTES

1. THE FINISHED GRADE OF THE SOIL SHALL SLOPE AWAY FROM THE DWELLING AT A RATE OF AT LEAST 1/2" PER FOOT FOR A MINIMUM DISTANCE OF 10 FEET, OR TO THE LOT LINE, WHICHEVER IS LESS
2. WHERE LAND DISTURBING CONSTRUCTION ACTIVITY IS TO OCCUR EROSION CONTROL AND SEDIMENT CONTROL PRACTICES SHALL BE EMPLOYED, AS NECESSARY, AND MAINTAINED TO PREVENT OR REDUCE THE POTENTIAL DEPOSITION OF SOIL OR SEDIMENT TO ADJACENT PROPERTIES, INCLUDING
   - ONTO STREETS BY VEHICLES
   - FROM DISTURBED AREAS INTO ONSITE STORM WATER INLETS
   - INTO ABUTTING WATERS
   - DRAINAGE WAYS THAT FLOW OFF THE SITE
   - DISCHARGE FROM DE-WATERING ACTIVITIES
   - DISCHARGE FROM SOIL STOCKPILES EXISTING FOR MORE THAN 7 DAYS
3. LAND DISTURBING CONSTRUCTION ACTIVITIES, EXCEPT THOSE ACTIVITIES NECESSARY TO IMPLEMENT EROSION OR SEDIMENT CONTROL PRACTICES, MAY NOT BEGIN UNTIL THE SEDIMENT CONTROL PRACTICES ARE IN PLACE.
4. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE MAINTAINED UNTIL THE DISTURBED AREAS ARE STABILIZED. THE DISTURBED AREA SHALL BE CONSIDERED STABILIZED BY VEGITATION WHEN A PERENNIAL COVER HAS BEEN ESTABLISHED WITH A DENSITY OF AT LEAST 70%
5. OFFSITE SEDIMENT DEPOSITION RESULTING FROM THE FAILURE OF AN EROSION OR SEDIMENT CONTROL PRACTICE SHALL BE CLEANED UP BY THE END OF THE NEXT DAY.
6. OFF-SITE SOIL DEPOSITION RESULTING FROM CONSTRUCTION ACTIVITY THAT CREATES A NUISANCE, SHALL BE CLEANED UP BY THE END OF THE WORK DAY.
7. STORM WATER MANAGEMENT PRACTICES SHALL BE EMPLOYED IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES STATUTES FOUND IN NR151.12

SITE DRAINAGE & EROSION CONTROL LEGEND

EROSION CONTROL BARR ER - SEDIMENT/SILT FENCE

ALL ELEVS. DERIVED FROM SURVEY - SEE SURVEY (0.00')

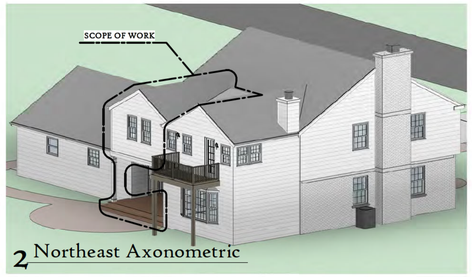
SITE DRA NAGE DIRECTION

DOWNSPOUT LOCATION

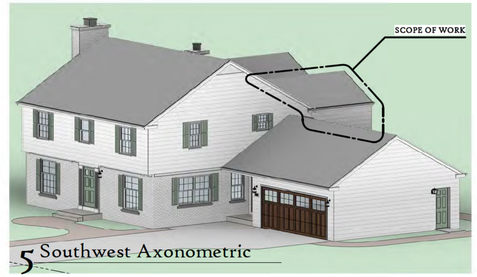
OPEN SPACE CALCULATION

Lot Area: 18,500 sf
Total Impervious Improvements Areas:
Existing Principal Building (footprint): 1,597 sf
Existing Accessory Structure (Garage): 572 sf
Existing Hardscapes: 2,562 sf
Proposed 2nd story Addition to Principal Building: 199 sf

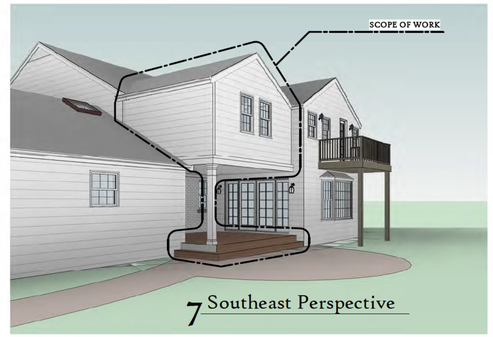
Total Impervious Area (Proposed): 4,930 sf
18,500 sf lot area - 4,930 sf impervious => 13,570 sf Open Area
13,570 sf / 4,930 sf => ***73.4% Open Lot Area***



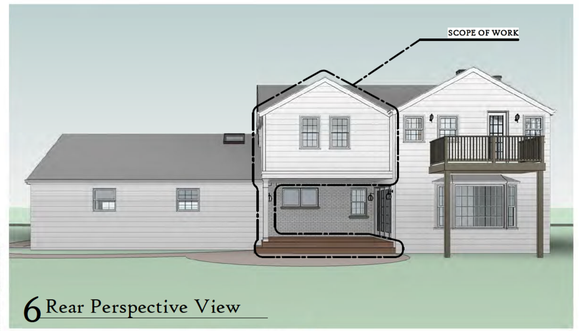
2 Northeast Axonometric



5 Southwest Axonometric



7 Southeast Perspective



6 Rear Perspective View

DRAWING INDEX

DRAWING INDEX

Sheet Number	Sheet Name
A-001	Cover Sheet & Site Information
A-101	First & Second Floor Plans
A-102	Basement Plan & Roof Plan & Wall Section
A-201	Exterior Elevations

ZONING INFO:

1. Lot Area: 18500 sf
2. Zoning District: 2, Single Family Residential District
3. Required Minimum Setbacks:
   Front: 30' (mapped)
   Side: 3'
   Rear: 10'

EXISTING CONDITION PHOTOGRAPHS

KCB Buildings
KCB BUILDINGS, LLC
Architecture + Design

PROJECT:
Laurie Bergum - 7630 N. Boyd Way - Rear Addition

OWNER:
Laurie Bergum

PROJECT ADDRESS:
7630 N Boyd Way
Fox Point, WI 53217

Drawing Issuance Schedule:

No.	Description	Date
1	ARC Submittal	8/27/2024

General Notes:

These Existing (As-Is) drawings are based on field verifications of existing conditions.

All dimensions shall be field verified. Any discrepancies or omissions shall be reported to the Owner, General Contractor and/or Architect.

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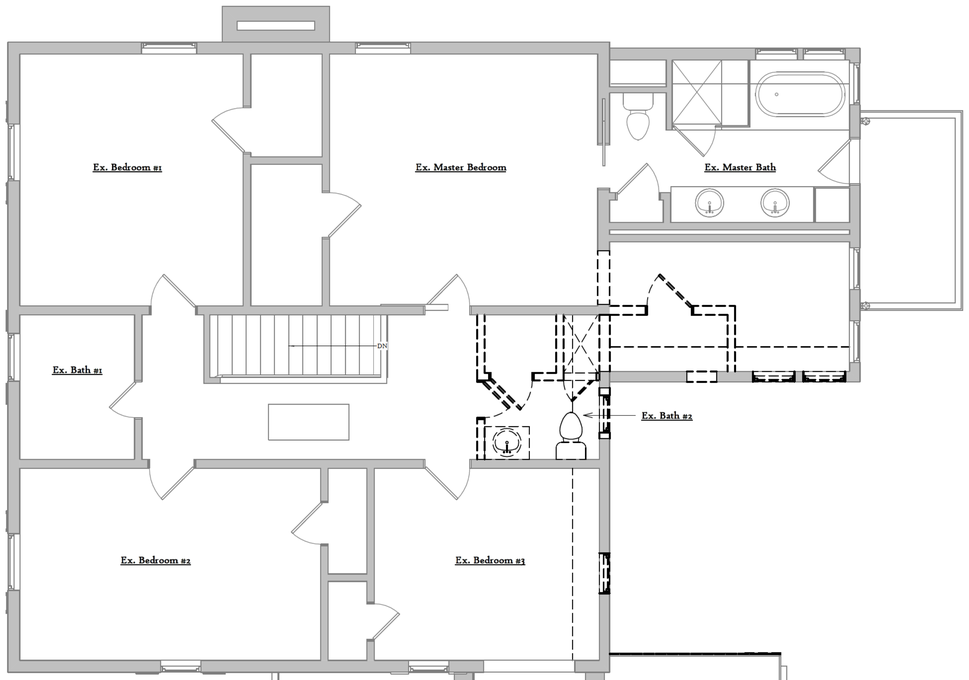
Stamp:

NOT FOR CONSTRUCTION

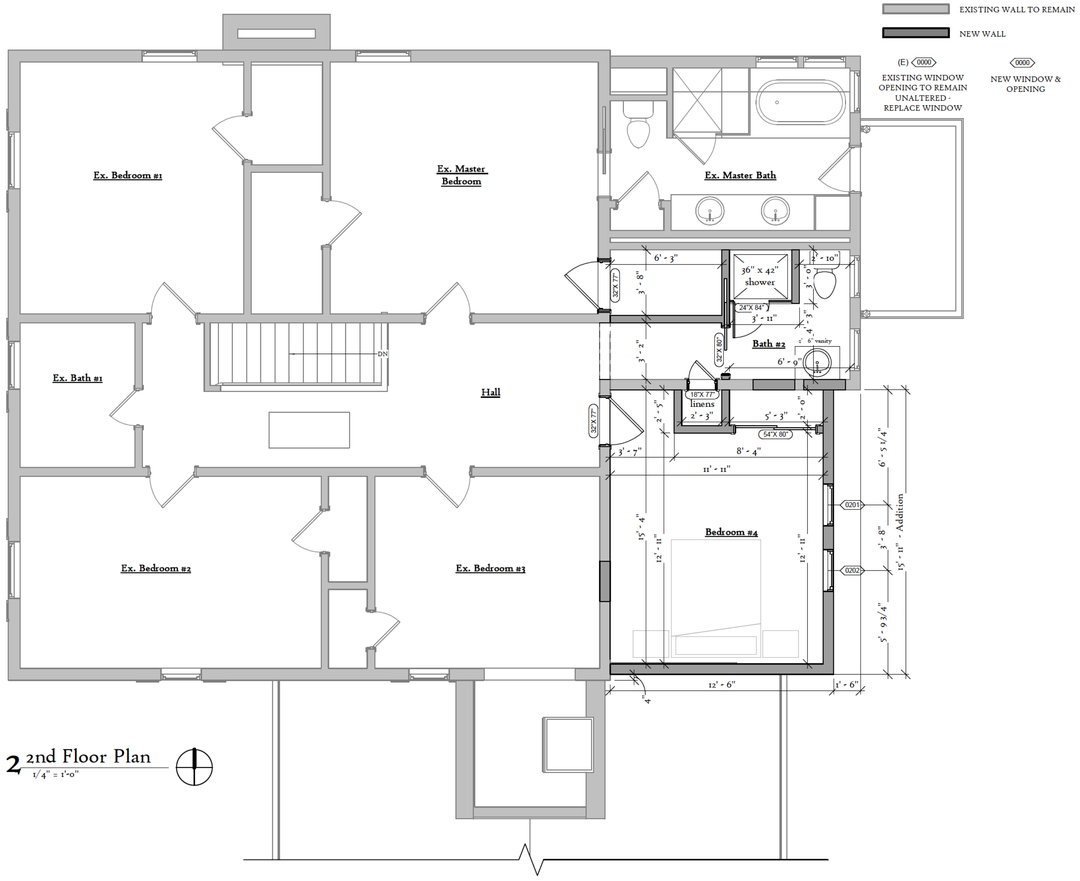
Sheet Title:
Cover Sheet & Site Information

Scale: As indicated
Date: 05/17/24
Sheet No.: A-001

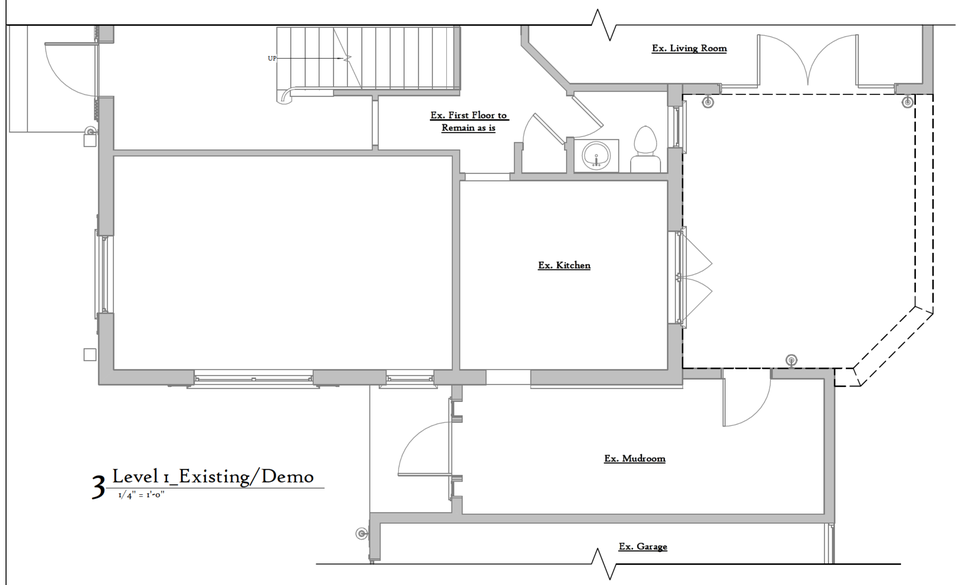
8/29/2024 3:45:44 PM



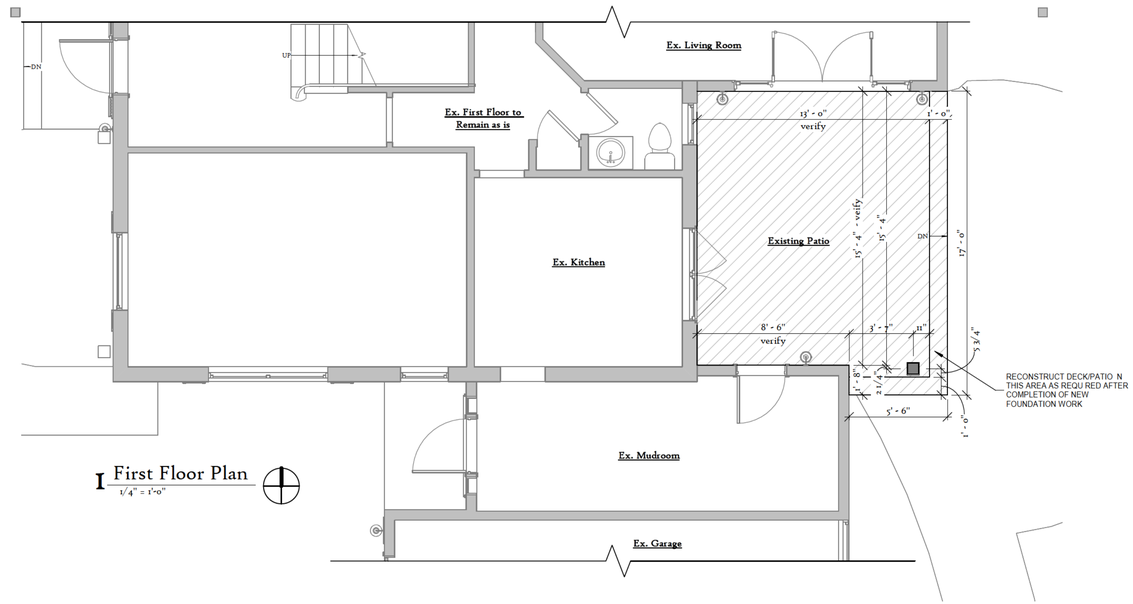
4 Level 2_Existing/Demo
1/4" = 1'-0"



2 2nd Floor Plan
1/4" = 1'-0"



3 Level 1_Existing/Demo
1/4" = 1'-0"



1 First Floor Plan
1/4" = 1'-0"

FLOOR PLAN LEGEND

- EXISTING WALL TO REMAIN
- NEW WALL
- (E) 0000 EXISTING WINDOW OPENING TO REMAIN UNALTERED - REPLACE WINDOW
- 0000 NEW WINDOW & OPENING

KCB BUILDINGS, LLC
Architecture + Design

PROJECT:
Laurie Bergum - 7630 N. Boyd Way - Rear Addition

OWNER:
Laurie Bergum

PROJECT ADDRESS:
7630 N Boyd Way
Fox Point, WI 53217

Drawing Issuance Schedule:

No.	Description	Date
1	ARC Submittal	8/27/2024

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Stamp:

NOT FOR CONSTRUCTION

Sheet Title:
First & Second Floor Plans

Scale	1/4" = 1'-0"
Date	05/17/24
Sheet No.	A-101

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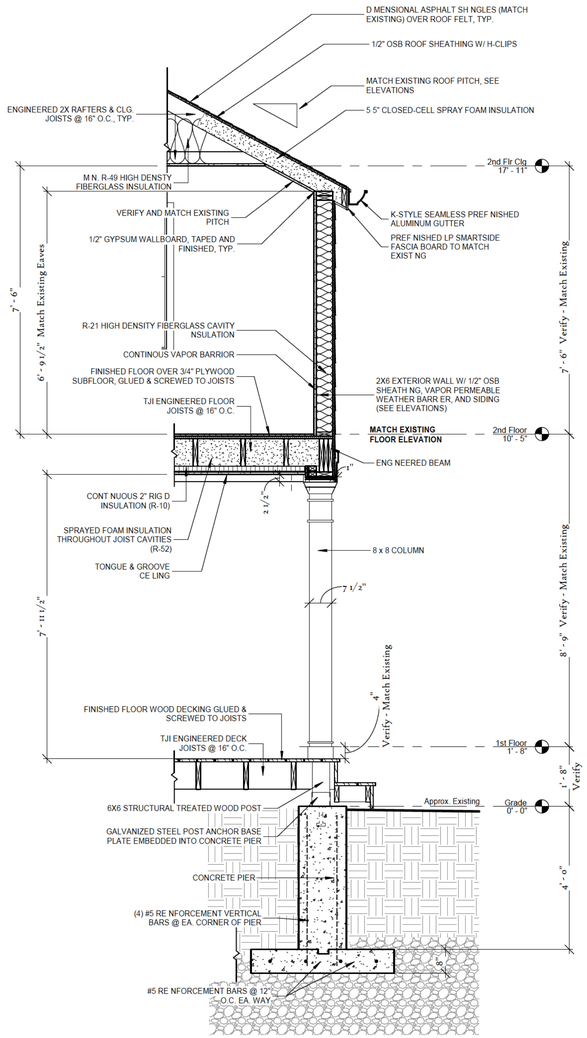
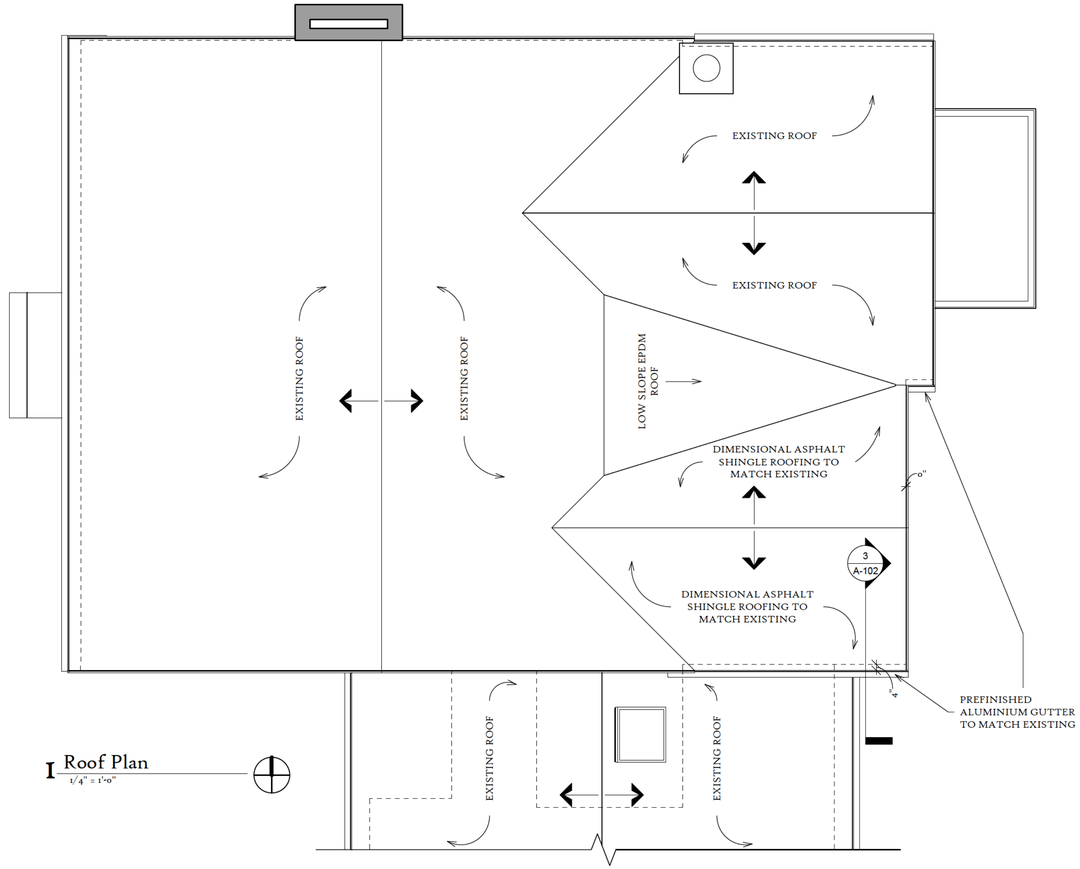
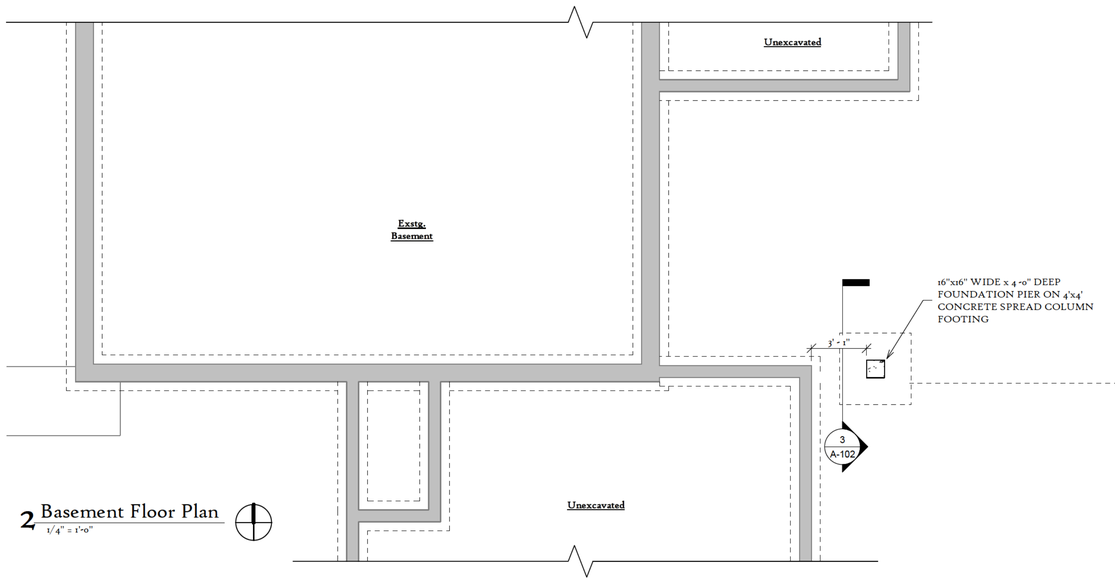


3 WALL SECTION
1/2" = 1'-0"



1 Roof Plan
1/4" = 1'-0"



2 Basement Floor Plan
1/4" = 1'-0"

KCB Buildings

KCB BUILDINGS, LLC
Architecture + Design

PROJECT:
Laurie Bergum - 7630 N. Boyd Way - Rear Addition

OWNER:
Laurie Bergum

PROJECT ADDRESS:
7630 N Boyd Way
Fox Point, WI 53217

Drawing Issuance Schedule:

No.	Description	Date
1	ARC Submittal	8/27/2024

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Stamp:

NOT FOR CONSTRUCTION

Sheet Title:
Basement Plan & Roof Plan & Wall Section

Scale	As indicated
Date	05/17/24
Sheet No.	A-102

8/30/2024 2:05:45 PM

WINDOW NOTE: ALL NEW WINDOWS TO BE MARVIN FIBERGLASS WINDOWS TO MATCH EXISTING - WHITE EXTERIOR FINISH AND WOOD INTERIOR. ALL GLAZING SHALL BE CLEAR INSULATED GLASS WITH ULTRA CLEAR LOW-E COATING.

Window Schedule

Tag	Window Type	Height	Width	Sill Height	Head Height	Notes
0201	Window-Double-Hung	4' - 0"	2' - 4"	2' - 4"	6' - 4"	
0202	Window-Double-Hung	4' - 0"	2' - 4"	2' - 4"	6' - 4"	

Grand total: 2

WINDOW SCHEDULE NOTES:

1. FIELD VERIFY EXISTING OPENING SIZE PRIOR TO ORDER NG

EXTERIOR GENERAL NOTES

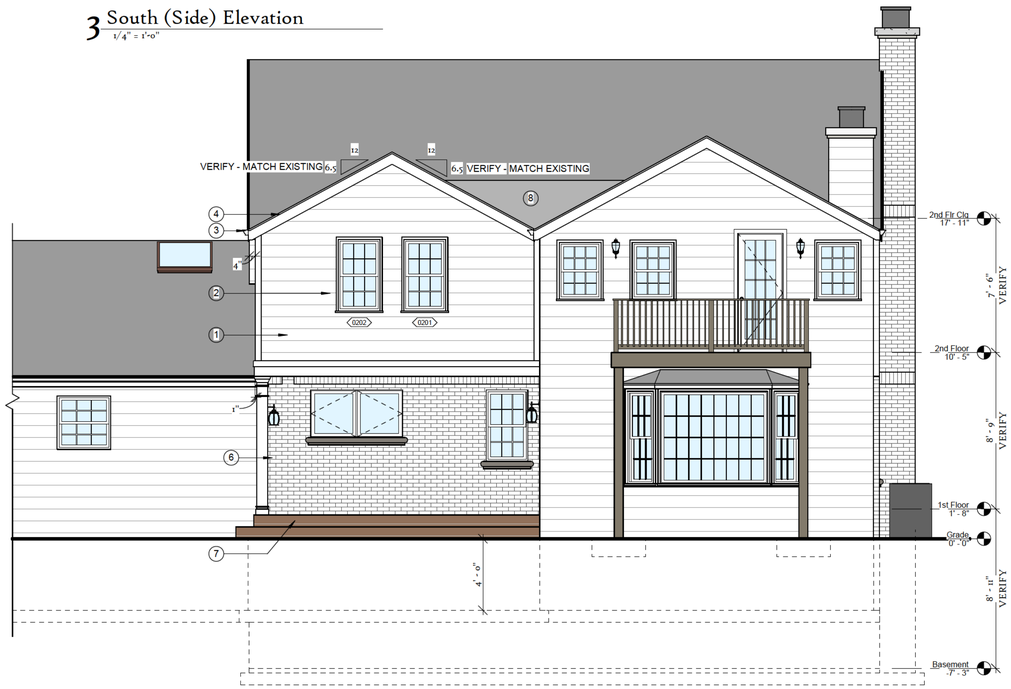
1. FINAL DOWNSPOUT LOCATIONS TBD W/ GC IN ACCORDANCE WITH SITE DRAINAGE PLAN.

EXTERIOR KEYED NOTES

1. NEW 8" HORIZONTAL LP SMARTSIDE CLAPBOARD SIDING TO MATCH EXISTING
2. WINDOW TRIM TO MATCH EXISTING
3. PREFINISHED ALUMINIUM GUTTER TO MATCH EXISTING
4. LP COMPOSITE FASCIA TO MATCH EXISTING
5. NEW DIMENSIONAL ASPHALT ROOF SHINGLES TO MATCH EXISTING
6. 8 X 8 WOOD RECTANGULAR COLUMN
7. NEW WOOD DECK
8. LOW SLOPE EPDM ROOFING

3 South (Side) Elevation
1/4" = 1'-0"

1 West (Front) Elevation
1/4" = 1'-0"



4 East (Rear) Elevation
1/4" = 1'-0"

2 North (Side) Elevation
1/4" = 1'-0"

KCB Buildings

KCB BUILDINGS, LLC
Architecture + Design

PROJECT:

Laurie Bergum - 7630 N. Boyd Way - Rear Addition

OWNER:

Laurie Bergum

PROJECT ADDRESS:

7630 N Boyd Way
Fox Point, WI 53217

Drawing Issuance Schedule:

No.	Description	Date
1	ARC Submittal	8/27/2024

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Stamp:

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Sheet Title:

Exterior Elevations

Scale	1/4" = 1'-0"
Date	05/17/24

Sheet No.

A-201

8/29/2024 3:46:48 PM

VILLAGE OF FOX POINT
7200 N Santa Monica Blvd
Fox Point, WI 53217
(414) 247-6622
www.villageoffoxpoint.com

Permit Number:

B- _____

OFFICE USE ONLY
Issued Date
Zoning C, 60'

BUILDING PERMIT

Job Address 8025 N Whitney Road	**Building Type:** Residential ☑ Commercial ☐
Description of Work	
Building a deck off of the rear of the home.	
**Open Area Calculation - Zone C - to be less than 8000-10500 sq ft	
Open Area Sq Ft Approx = 1,955	
Estimated Cost of Project $ 30,000	

Owner/Occupant	
Business Name	Contact Name Linda Tredupp
Address 8025 N Whitney Road	City/State/Zip Fox Point, WI 53217
Phone 414-719-2160	Email ltredupp@wi.rr.com

Cautionary Statement required when homeowner is applying for permit*

Contractor	
Company Name Lakeside Deck Builders	Contact Name Jason Rose
Address 210 N River Road	City/State/Zip West Bend, WI 53095
Phone 262-716-6036	Email lakesidecontracting.anny@gmail.com
Dwelling Contractor # 051500021	Dwelling Contractor Qualifier # 051500001

Square Footage Under Construction				
1st Floor	2nd Floor	Basement	Addition 368	Garage

Description		**Rate**	**Amount**
Project - Per $1,000 of estimated cost		$10.00	
Building Board		$75.00	
Footing early start - $230.00 one and two family; $305.00 commercial			
Plan Review - $275.00 one and two family; New Single Family Construction $330.00 plus $30.00/unit commercial			
State Seal		$75.00	
Razing, Interior Demolition $925.00 max/bld	$95.00 minimum plus	$0.13/sqft	
Moving buildings	$250.00 plus	$0.13/sqft	
Fuel tanks - Per 1,000 gallons		$25.00	
Re-inspection		$100.00	
Work started without permit		**Double**	
	Minimum Fee	**$70.00**	
Payable to: Village of Fox Point		**Total Permit Fee**	**$**

Applicant Signature Anny L. Mayer **Date** 8/26/2024

Rev 01/22

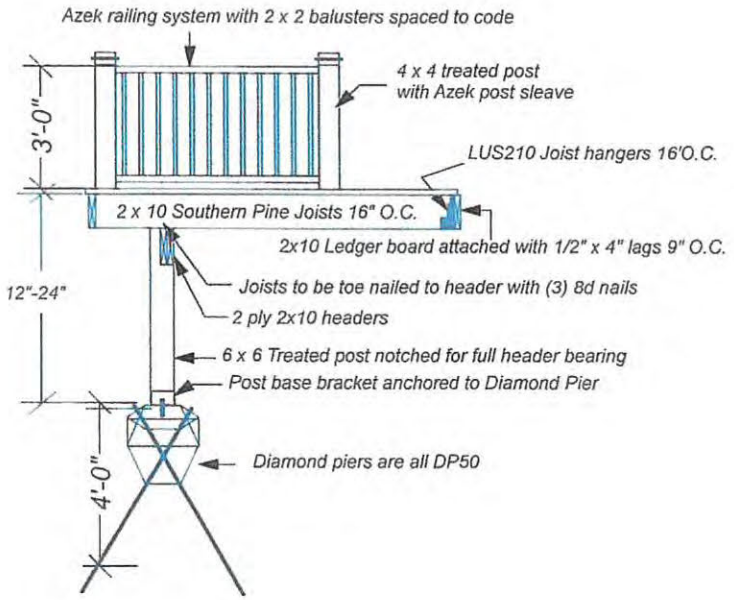
ISSUED PERMITS are available on the Village website under *PERMITS & LICENSES*

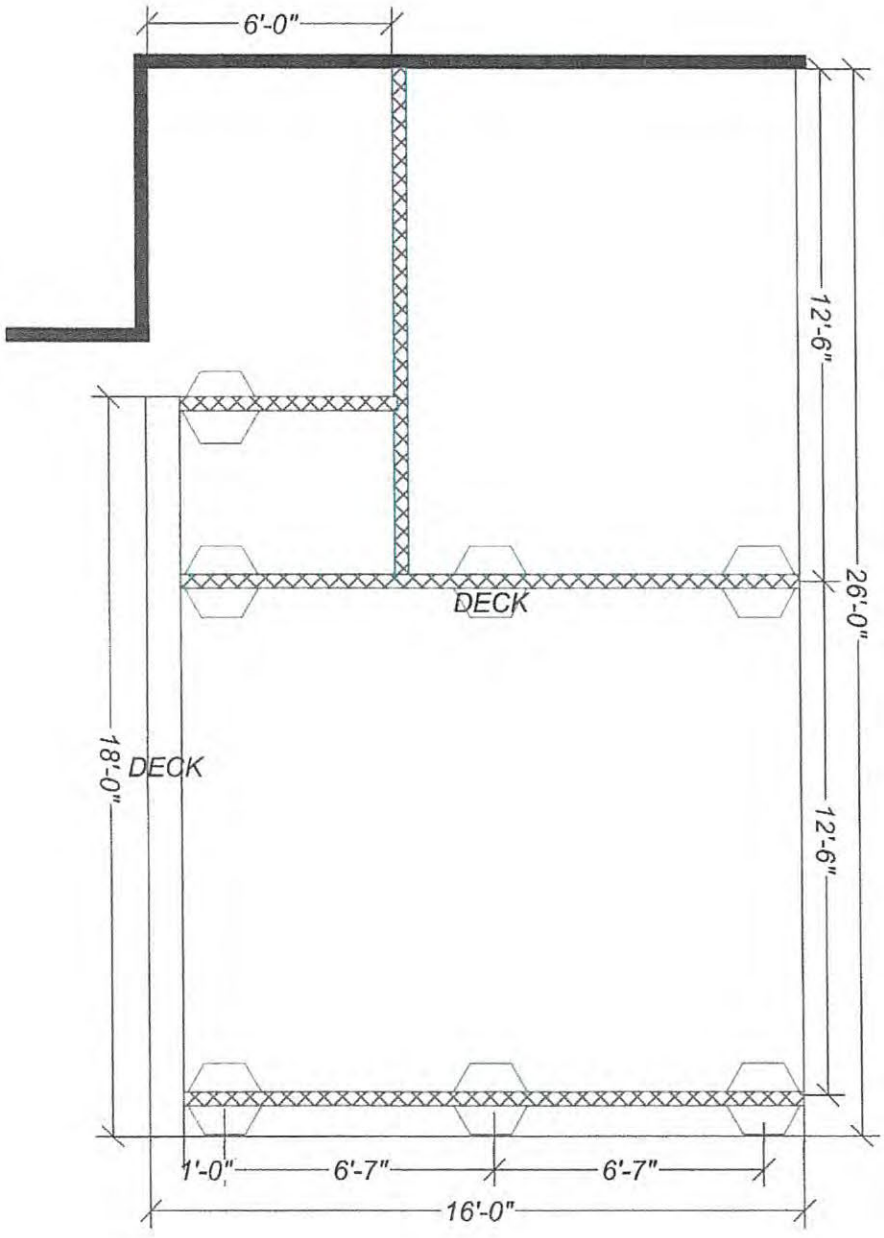
Receipt No: 18.000045 Aug 26, 2024

Jason Rose

LICENSES & PERMITS	
Online Payment	375.00
Total:	375.00
ONLINE - CREDIT CARD	375.00
Total Applied:	375.00
Change Tendered:	.00

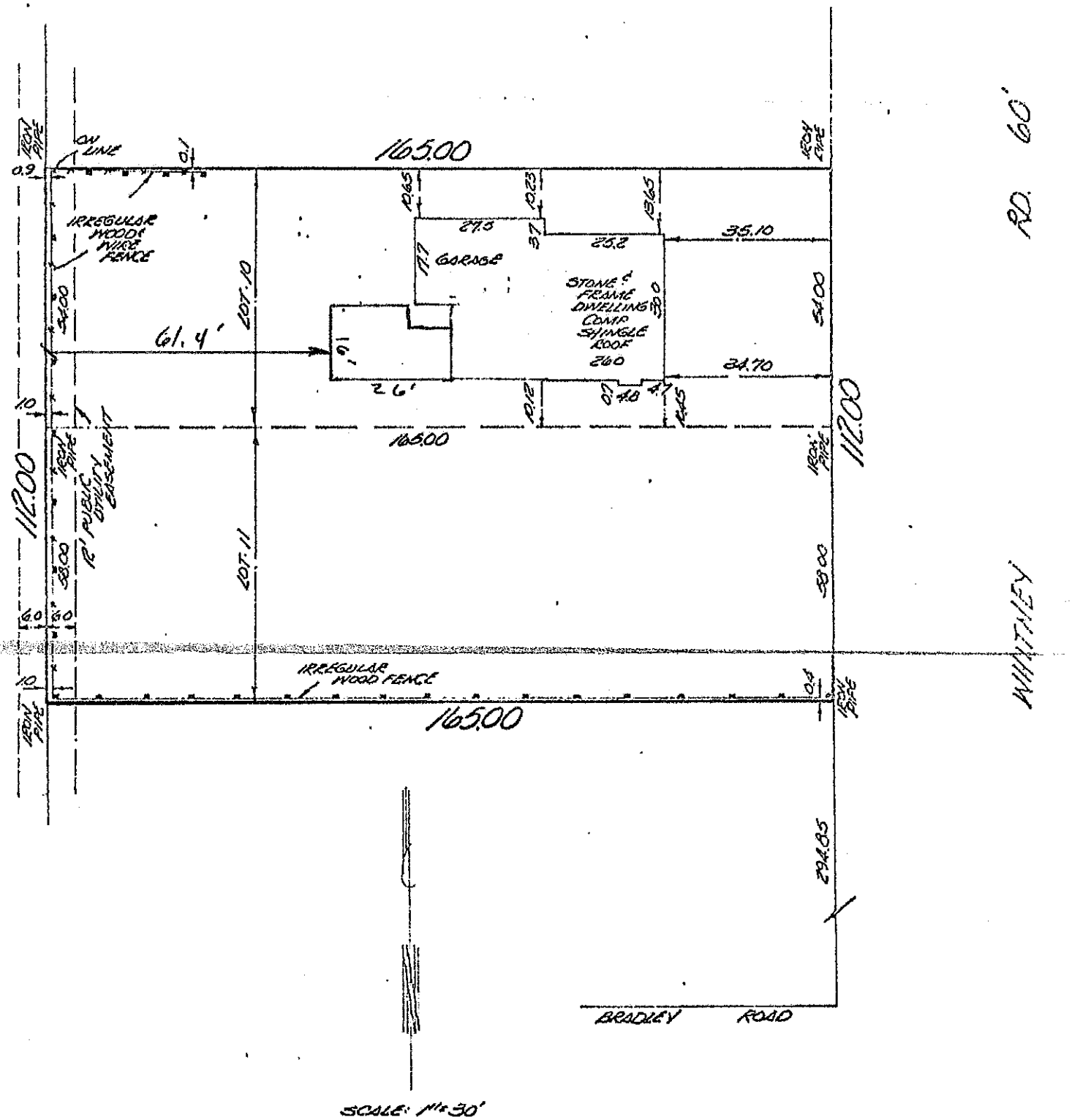
08/27/24 07:49AM


Azek railing system with 2 x 2 balusters spaced to code
4 x 4 treated post
with Azek post sleave
3'-0"
LUS210 Joist hangers 16'O.C.
2 x 10 Southern Pine Joists 16" O.C.
2x10 Ledger board attached with 1/2" x 4" lags 9" O.C.
Joists to be toe nailed to header with (3) 8d nails
12"-24"
2 ply 2x10 headers
6 x 6 Treated post notched for full header bearing
Post base bracket anchored to Diamond Pier
Diamond piers are all DP50
1'-0"


6'-0"
12'-6"
DECK
26'-0"
18'-0"
DECK
12'-6"
1'-0"
6'-7"
6'-7"
16'-0"

Known as 8025 Whitney Road, in the Village of Fox Point, Wisconsin Lots 10 and 11 in Block 4 in FOX POINT GARDENS, being a Subdivision of a part of the S W 1/4 of Section 9, T 8 N, R 22 E, in the Village of Fox Point, Milwaukee County, Wisconsin

MAY 21, 1974 ALICE D KING-OWNER SURVEY NO. 134763-S



MAY 21, 1974

I Certify *that I have surveyed the above described property (Property), and the above map is a true repre-*