NOTICE OF MEETING
VILLAGE OF FOX POINT
BUILDING BOARD

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

Wednesday
July 12, 2023
5:00 P.M.

Join Zoom Meeting

https://us02web.zoom.us/j/82649169657

Meeting ID: 826 4916 9657

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 June 14, 2023 Building Board meeting.
3. Johnathon Bloom, 7730 N Beach Dr, resubmittal single family home with open area modification.
4. Shaka Smart, 7624 N Beach Dr, resubmittal single family home.
5. Thomas Barnum, 7348 N Crossway Rd, proposed roof mounted solar array.
6. Reality Income Properties LLC, 8740 N Port Washington Rd, proposed signage.
7. Cesar Bolivar, 7470 N Port Washington Rd, proposed above ground pool.
8. Daniel Meyers, 1030 E Thorne Ln, proposed shed.
9. Daniel Villanueva, 8131 N Navajo Rd, proposed deck.
10. Michael Ford, 1006 E Churchill Ln, proposed skylights, garden shed, and gazebo.
11. Colleen Miller, 210 E Mall Rd, proposed carport.
12. Barbara Fuldner, 7764 N Club Cir, proposed replace windows and restore craftsman details.
13. Erik Bowie, 7520 N Links Way, proposed hot tub with open area modification.
14. Discussion-Building Board form
15. Adjourn.

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, June 14, 2023, at 5:00 pm. Those present included:

Justin Racinowski
Jeff Weber
William Feldman-Absent
Sharon Celek
Lucille Sells
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 Lucille Sells to approve the minutes from May 16, 2023. Motion was seconded by Jeff Weber. Motion Passed.

AGENDA

- **Vicki Johnson, 169 E Willow Rd, proposed detached garage.** It was the consensus of the Building Board to approve as submitted.
- **Thomas Eling, 7405 N Seneca Rd, proposed pergola.** Cancelled.
- **Evan Arnold, 8580 N Point Dr, proposed storage shed.** It was the consensus of the Building Board to approve as submitted.
- **Ted Fine, 401 E Green Tree Rd, proposed detached garage.** It was the consensus of the Building Board to approve as submitted.
- **Geoff Daley, 7363 N Navajo Rd, proposed attached garage.** It was the consensus of the Building Board to approve as submitted.
- **Laura Mortava, 8234 N Gray Log Ln, proposed garage addition.** It was the consensus of the Building Board to approve as submitted.
- **Andrew Kadrich, 7966 N Beach Dr, proposed single family home.** Remove from agenda approved previously.
- **Johnathon Bloom, 7730 N Beach Dr, proposed single family home with open area modification.** It was the consensus of the Building Board to approve as submitted. (Single family home only, not open area modification)
- **Shaka Smart, 7624 N Beach Dr, proposed single family home.** It was the consensus of the Building Board to approve as submitted.
- **Brian Dondlinger, 7535 N Beach Dr, proposed single family home.** It was the consensus of the Building Board to approve as submitted.
- **Discussion.** Motion was made by Justin Racinowski to approve code modifications. Motion was seconded by Sharon Celek. Motion Passed.

DRAFT

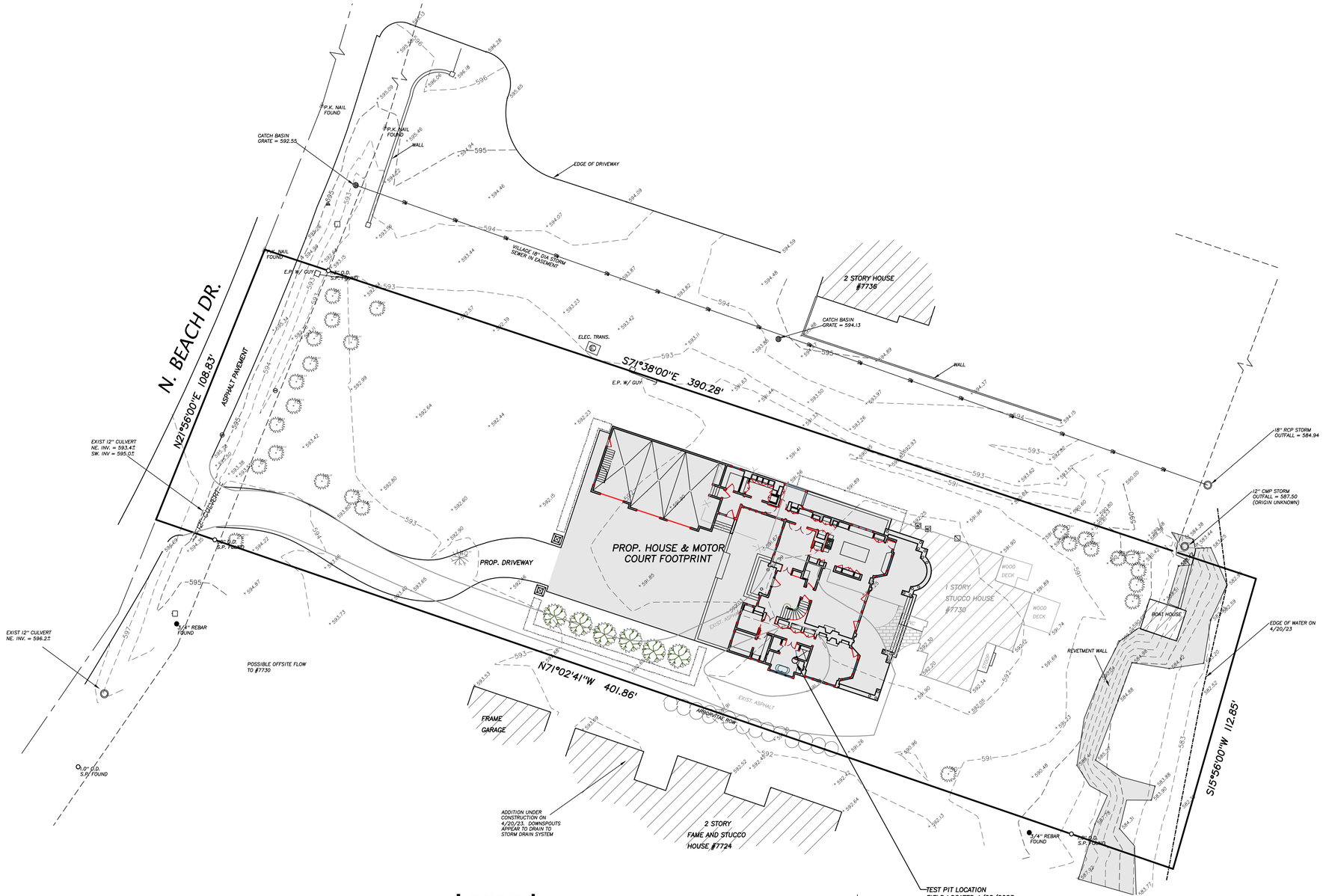
ADJOURN

Motion to adjourn Building Board was made by Jeff Weber. Motion seconded by Sharon Celek. Motion Passed. Building Board adjourned at 6:26 pm.

Respectfully Submitted,

Michael Rakow
Building Inspector
Village of Fox Point

DRAFT



Legend

- 699 — DENOTES EXISTING MINOR CONTOUR
- 700 — DENOTES EXISTING MAJOR CONTOUR
- + 602.25 — DENOTES EXISTING SPOT ELEVATION

N

0 20 30 40 60

SCALE 1" = 20'

NORTH SHORE ENGINEERING, INC.
Consulting Engineers & Land Surveyors
11433 N. Port Washington Rd., Mequon, Wisconsin, 53092
(262) 241-9400 • FAX: (262) 241-5337
www.NorthShoreEngineering.net

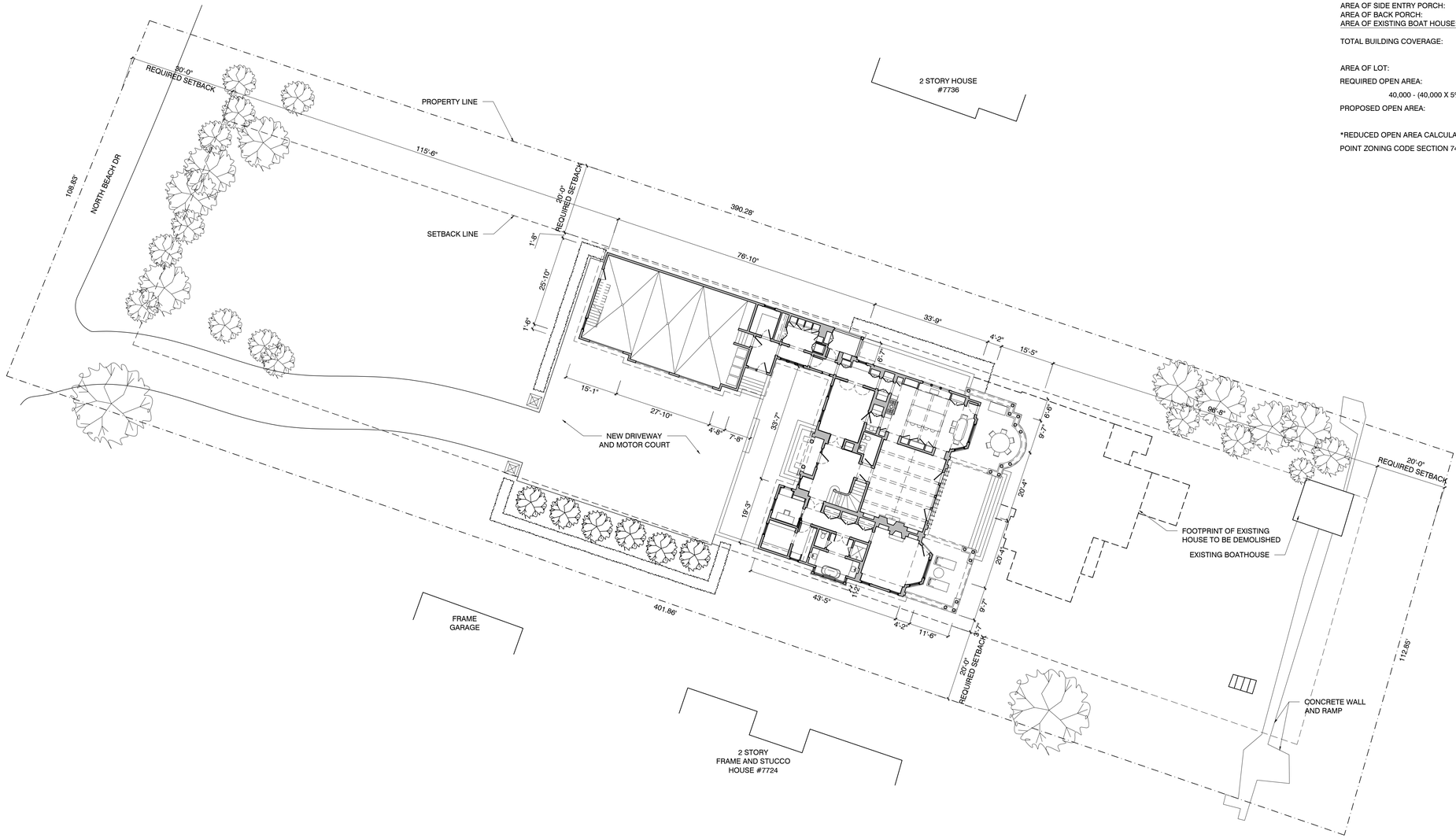
VILLAGE OF FOX POINT

MILWAUKEE COUNTY — WISCONSIN

PROPOSED BLOOM RESIDENCE
7730 N. BEACH DRIVE

PRELIMINARY PLAN

DESIGNED:	DRAWN:	CHECKED:	SHEET
J.W.H.	J.M.B.	J.G.S.	C#
DATE: 5/16/2023	SCALE: H: 1"=20' V: N.A.		of #
APPROVED:	PROJECT #: 5503-23		



1 SITE PLAN
SCALE: 1/16" = 1'-0"

ZONING:
A-1

SETBACK REQUIREMENTS:
FRONT YARD:
REQUIRED: 30'-0"
PROPOSED: 115'-6"
SIDE YARD:
REQUIRED: 20'-0"
PROPOSED: 21'-0"
REAR YARD:
REQUIRED: 20'-0"
PROPOSED: 96'-8"

HEIGHT REQUIREMENTS:
MAXIMUM ALLOWABLE HEIGHT: 40'-0"
MAXIMUM PROPOSED HEIGHT: 37'-5"

OPEN AREA CALCULATION:

AREA OF HOUSE STRUCTURE:	4,165 SF
AREA OF FRONT PORCH:	125 SF
AREA OF SIDE ENTRY PORCH:	42 SF
AREA OF BACK PORCH:	928 SF
AREA OF EXISTING BOAT HOUSE:	172 SF
TOTAL BUILDING COVERAGE:	5,432 SF
AREA OF LOT:	43,839 SF

REQUIRED OPEN AREA:
40,000 - (40,000 X 5%) = 38,000 SF

PROPOSED OPEN AREA: 38,407 SF

*REDUCED OPEN AREA CALCULATION PER FOX POINT ZONING CODE SECTION 745-26.

NO	DATE	DESCRIPTION
1	2023.05.23	ISSUED FOR BUILDING BOARD REVIEW

ISSUE RECORD

CRAIG & COMPANY
4 East Ohio Street
Suite 10
Chicago, Illinois 60611

TEL 312.321.7400
FAX 312.640.7033

Private Residence
7730 Beach Drive
Fox Point, Wisconsin 53217

DRAWING TITLE
SITE PLAN

JOB NO.	DATE	SCALE
2202.00	2023.05.23	1/16" = 1'-0"

N

DRAWING NO.
A-0.01

COPYRIGHT 2023

1 EXISTING CONDTIONS - Driveway
SCALE: NTS

2 EXISTING CONDTIONS - Driveway
SCALE: NTS

3 EXISTING CONDTIONS - Driveway
SCALE: NTS

4 EXISTING CONDTIONS - Side Setback
SCALE: NTS

5 EXISTING CONDTIONS - Driveway
SCALE: NTS

6 EXISTING CONDTIONS - Property Line
SCALE: NTS

7 EXISTING CONDTIONS - Yard
SCALE: NTS

8 EXISTING CONDTIONS - Side Setback
SCALE: NTS

9 EXISTING CONDTIONS - Rear Yard
SCALE: NTS

10 EXISTING CONDTIONS - Rear Yard
SCALE: NTS

11 EXISTING CONDTIONS - Rear Yard
SCALE: NTS

12 EXISTING CONDTIONS - Rear Yard
SCALE: NTS

13 EXISTING CONDTIONS - Rear Yard
SCALE: NTS

14 EXISTING CONDTIONS - Rear Elevation
SCALE: NTS

1	2023.05.23	ISSUED FOR BUILDING BOARD REVIEW
NO.	DATE	DESCRIPTION

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Private Residence

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DRAWING TITLE

EXISTING CONDITIONS

JOB NO.	DATE	SCALE
2202.00	2023.05.23	NTS

DRAWING NO.

A-0.02

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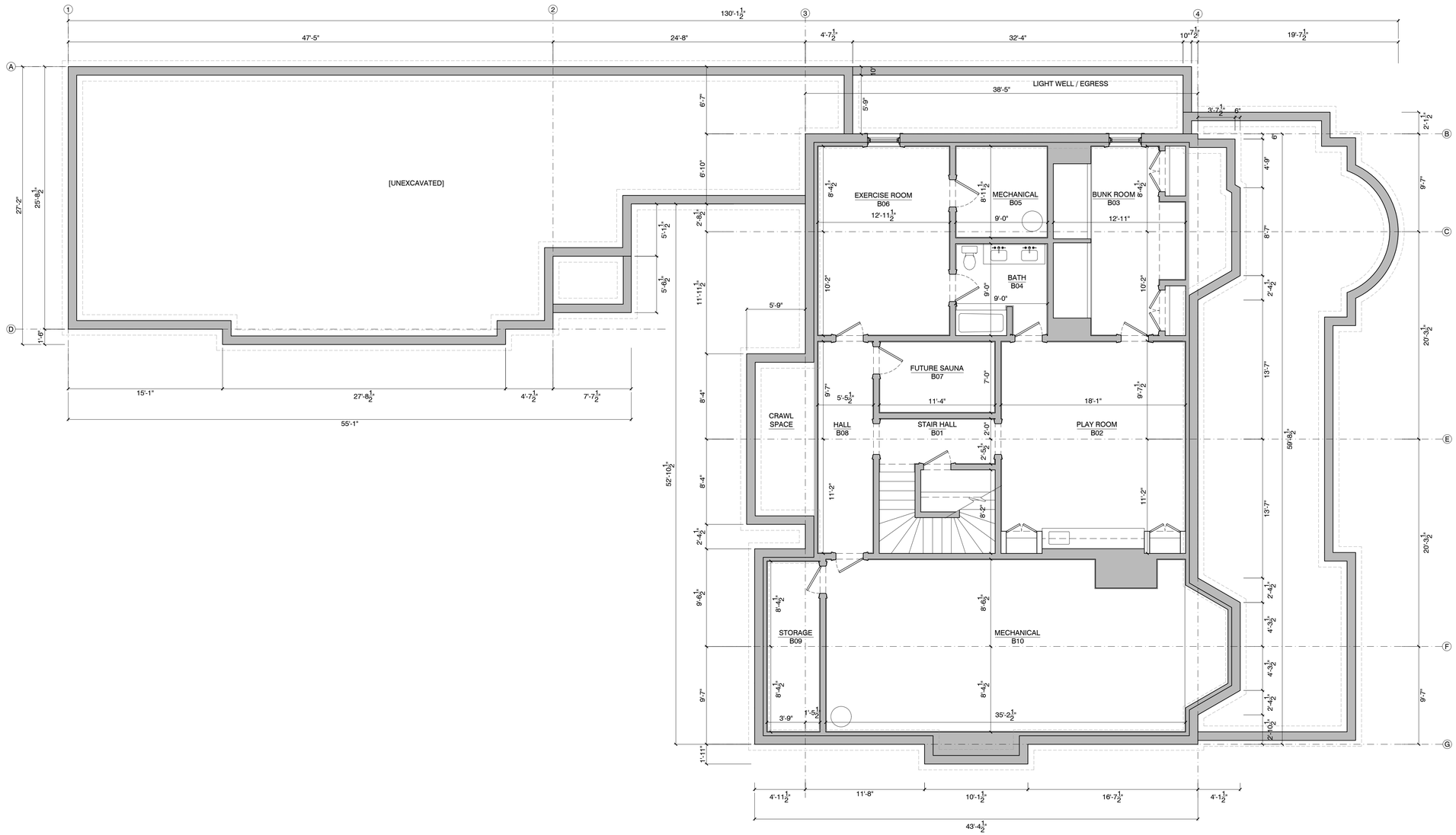

1 PROPOSED PLAN - Basement
SCALE: 3/16" = 1'-0"

NO	DATE	DESCRIPTION
1	2023.05.23	ISSUED FOR BUILDING BOARD REVIEW

ISSUE RECORD

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Fox Point, Wisconsin 53217

DRAWING TITLE
PROPOSED PLAN
Basement

JOB NO.	DATE	SCALE
2202.00	2023.05.23	3/16" = 1'-0"

N

DRAWING NO.
A-1.00

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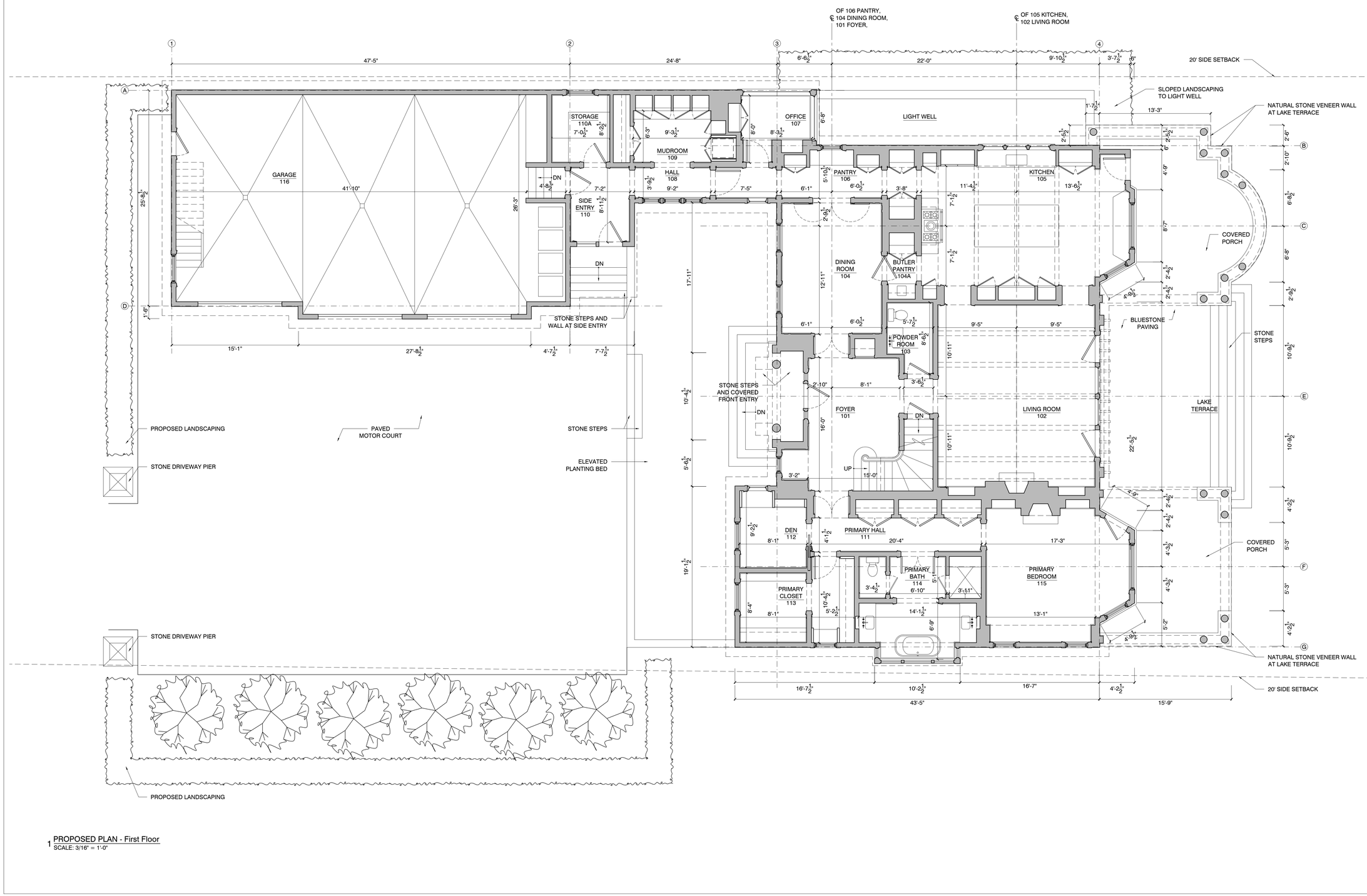

1 PROPOSED PLAN - First Floor
SCALE: 3/16" = 1'-0"

NO.	DATE	DESCRIPTION
1	2023.05.23	ISSUED FOR BUILDING BOARD REVIEW

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FAX 312.640.7033

Private Residence
7730 Beach Drive
Fox Point, Wisconsin 53217

DRAWING TITLE

PROPOSED PLAN
First Floor

JOB NO.	DATE	SCALE
2202.00	2023.05.23	3/16" = 1'-0"

N

DRAWING NO.

A-1.01

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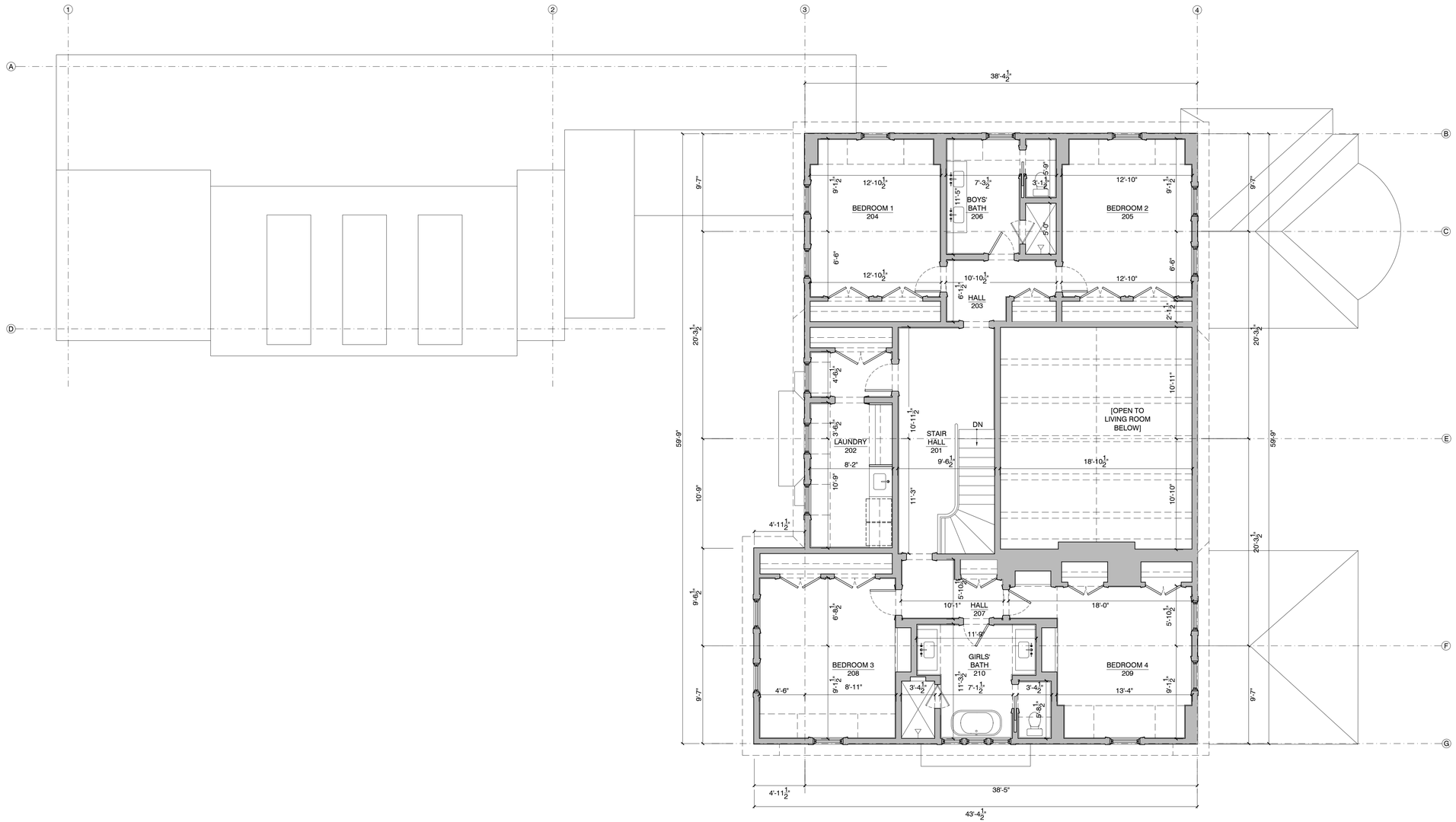

1 PROPOSED PLAN - Second Floor
SCALE: 3/16" = 1'-0"

NO.	DATE	DESCRIPTION
1	2023.05.23	ISSUED FOR BUILDING BOARD REVIEW

ISSUE RECORD

CRAIG & COMPANY
4 East Ohio Street
Suite 10
Chicago, Illinois 60611

TEL 312.321.7400
FAX 312.640.7033

Private Residence
7730 Beach Drive
Fox Point, Wisconsin 53217

DRAWING TITLE
PROPOSED PLAN
Second Floor

JOB NO.	DATE	SCALE
2202.00	2023.05.23	3/16" = 1'-0"

N

DRAWING NO.
A-1.02

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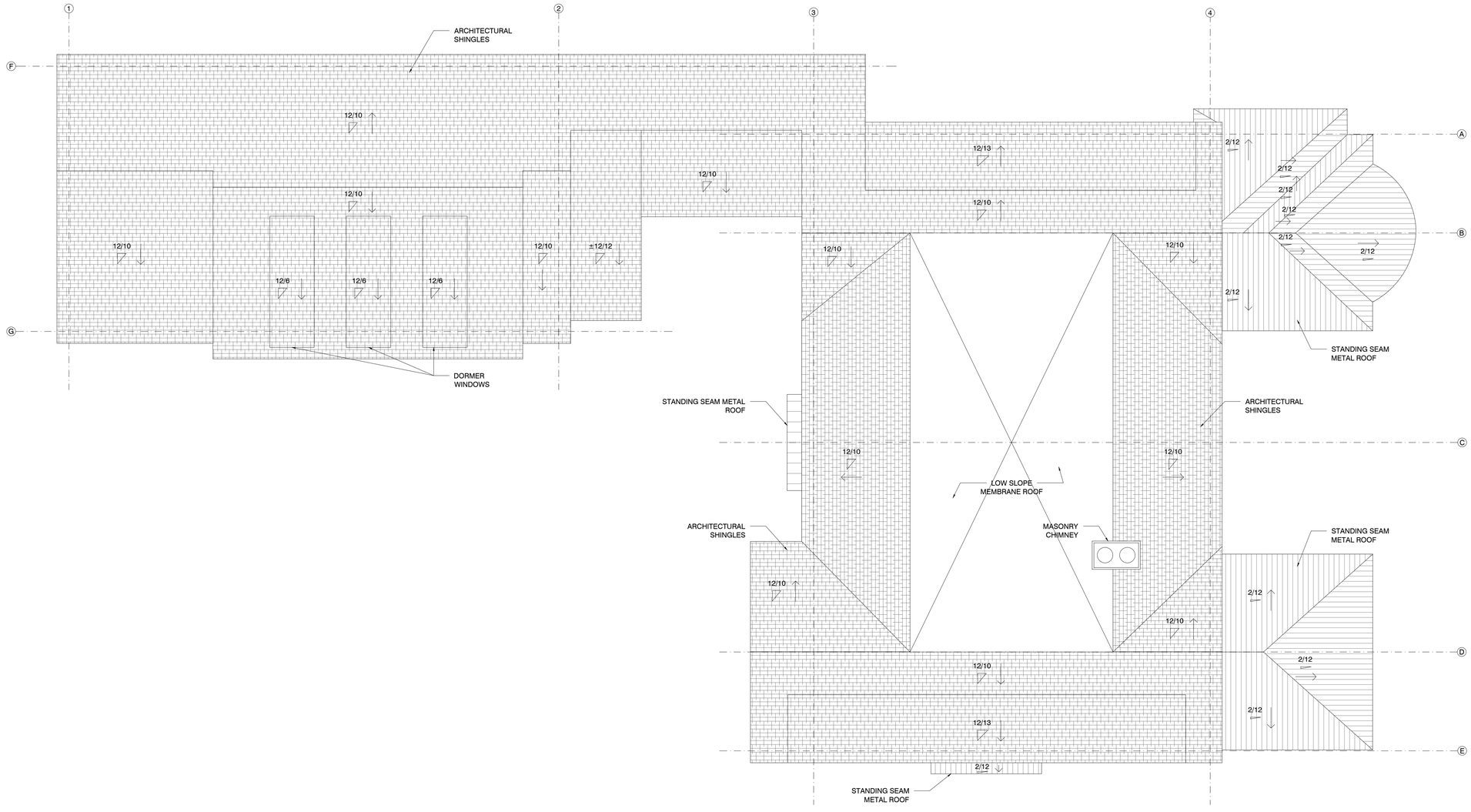

1 PROPOSED PLAN - Roof
SCALE: 3/16" = 1'-0"

NO	DATE	DESCRIPTION
1	2023.05.23	ISSUED FOR BUILDING BOARD REVIEW

ISSUE RECORD

CRAIG & COMPANY
4 East Ohio Street
Suite 10
Chicago, Illinois 60611

TEL 312.321.7400
FAX 312.640.7033

Private Residence
7730 Beach Drive
Fox Point, Wisconsin 53217

DRAWING TITLE

PROPOSED PLAN
Roof

JOB NO.	DATE	SCALE
2202.00	2023.05.23	3/16" = 1'-0"

N

DRAWING NO.

A-1.03

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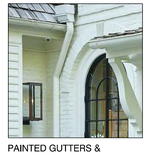
1 ENTRY ELEVATION
SCALE: 3/16" = 1'-0"

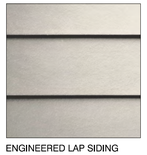
2 LAKE ELEVATION
SCALE: 3/16" = 1'-0"

SYNTHETIC CEDAR SHINGLES


PAINTED GUTTERS & DOWNSPOUTS

ALUMINUM CLAD WINDOWS

PAINTED WOOD COLUMNS & COVERED PORCH


ENGINEERED LAP SIDING

PAINTED WOOD TRELLIS

NATURAL STONE VENEER

NO.	DATE	DESCRIPTION
1	2023.05.23	ISSUED FOR BUILDING BOARD REVIEW

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DRAWING TITLE

EXTERIOR ELEVATIONS

JOB NO.	DATE	SCALE
2202.00	2023.05.23	3/16" = 1'-0"

DRAWING NO.

A-2.00

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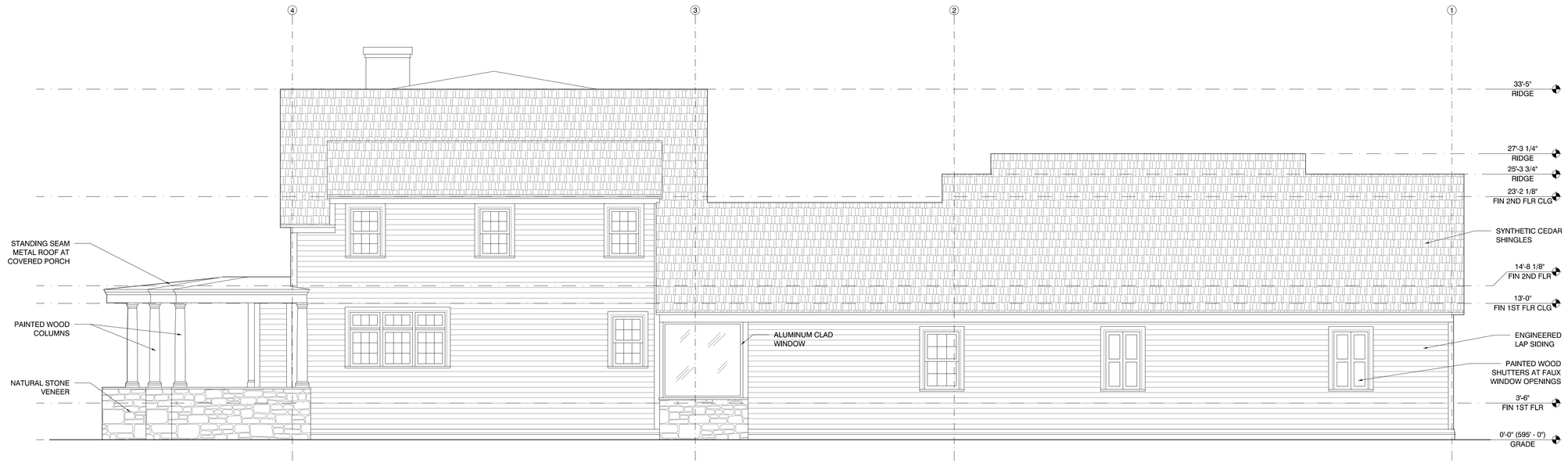


1 NORTH ELEVATION
SCALE: 3/16" = 1'-0"

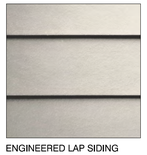
2 SOUTH ELEVATION
SCALE: 3/16" = 1'-0"

SYNTHETIC CEDAR SHINGLES

PAINTED GUTTERS & DOWNSPOUTS

ALUMINUM CLAD WINDOWS

PAINTED WOOD COLUMNS & COVERED PORCH


ENGINEERED LAP SIDING

PAINTED WOOD TRELLIS

NATURAL STONE VENEER

NO.	DATE	DESCRIPTION
1	2023.05.23	ISSUED FOR BUILDING BOARD REVIEW

ISSUE RECORD

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Fox Point, Wisconsin 53217

DRAWING TITLE

EXTERIOR ELEVATIONS

JOB NO.	DATE	SCALE
2202.00	2023.05.23	3/16" = 1'-0"

DRAWING NO.

A-2.01

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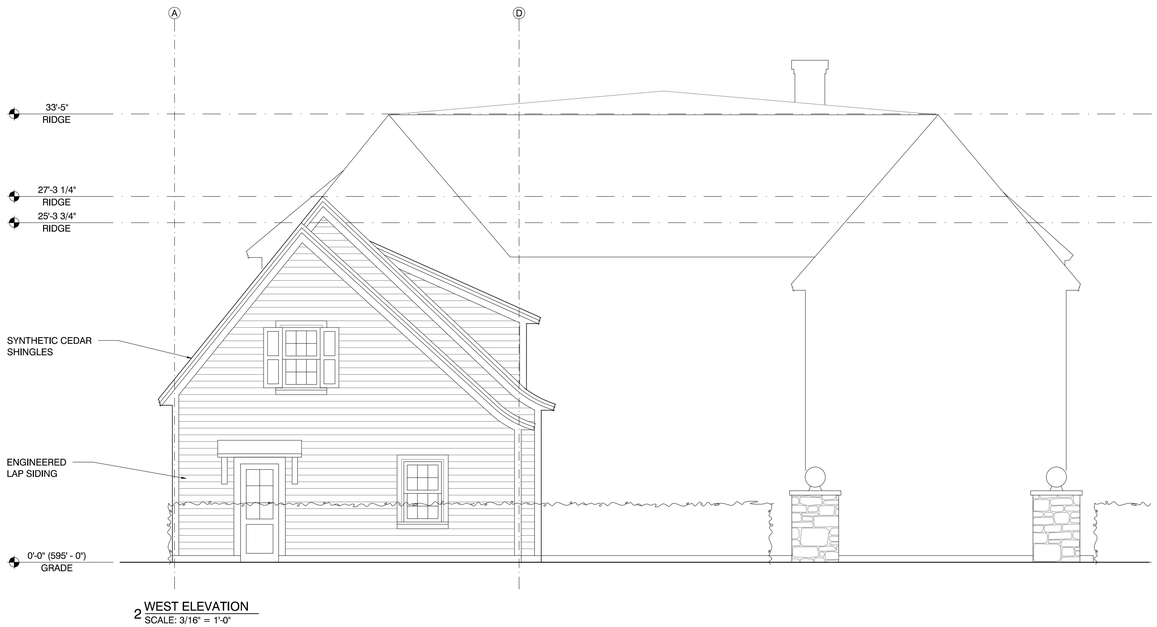
1 GARAGE ELEVATION
SCALE: 3/16" = 1'-0"



2 WEST ELEVATION
SCALE: 3/16" = 1'-0"

SYNTHETIC CEDAR SHINGLES

PAINTED GUTTERS &
DOWNSPOUTS

ALUMINUM CLAD WINDOWS

PAINTED WOOD COLUMNS &
COVERED PORCH

ENGINEERED LAP SIDING

PAINTED WOOD TRELLIS

NATURAL STONE VENEER

NO.	DATE	DESCRIPTION
1	2023.05.23	ISSUED FOR BUILDING BOARD REVIEW

ISSUE RECORD

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7730 Beach Drive
Fox Point, Wisconsin 53217

DRAWING TITLE

EXTERIOR ELEVATIONS

JOB NO.	DATE	SCALE
2202.00	2023.05.23	3/16" = 1'-0"

DRAWING NO.

A-2.02

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

NO	DATE	DESCRIPTION
1	2023.05.23	ISSUED FOR BUILDING BOARD REVIEW

ISSUE RECORD

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Private Residence
7730 Beach Drive
Fox Point, Wisconsin 53217

DRAWING TITLE

BUILDING SECTIONS

JOB NO.	DATE	SCALE
2202.00	2023.05.23	1/4" = 1'-0"

DRAWING NO.

A-2.20

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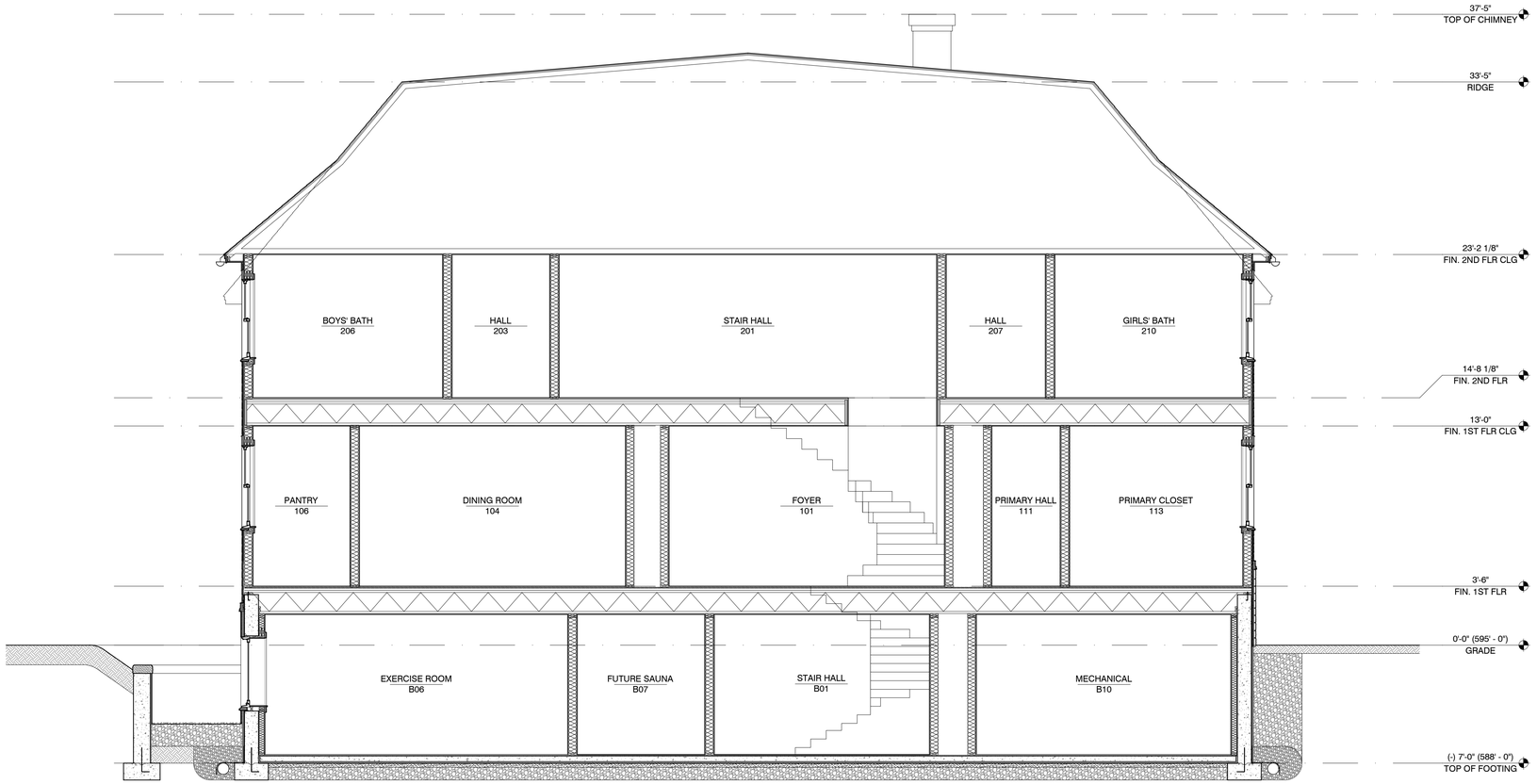

1 BUILDING SECTION
SCALE: 1/4" = 1'-0"

NO.	DATE	DESCRIPTION
1	2023.05.22	ISSUED FOR BUILDING BOARD REVIEW

ISSUE RECORD

CRAIG & COMPANY
4 East Ohio Street
Suite 10
Chicago, Illinois 60611

TEL 312.321.7400
FAX 312.640.7033

Private Residence
7730 Beach Drive
Fox Point, Wisconsin 53217

DRAWING TITLE

BUILDING SECTIONS

JOB NO.	DATE	SCALE
2202.00	2023.05.22	1/4" = 1'-0"

DRAWING NO.

A-2.21

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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

BUILDING PERMIT

Job Address 7624 North Beach Drive	**Building Type:** Residential ☑ Commercial ☐
Description of Work	
New Single Family Home Construction	
Estimated Cost of Project $ 3,500,000.00	

Owner/Occupant Shaka D. and Maya Payne Smart	
Business Name	Contact Name Maya Payne Smart
Address 7624 North Beach Drive	City/State/Zip Fox Point, WI 53217
Phone 330.329.1614	Email maya.payne@gmail.com

Cautionary Statement required when homeowner is applying for permit*

Contractor	
Company Name Scherrer Construction Co., Inc	Contact Name Pat Hietpas
Address 601 Blackhawk Drive	City/State/Zip Burlington, WI 53105
Phone 262-539-3100 x1233	Email phietpas@scherrerconstruction.com
Dwelling Contractor # DC-010200045	Dwelling Contractor Qualifier # DCQ-122201369

Square Footage Under Construction				
1st Floor 3445	2nd Floor 2713	Basement 2558	Addition	Garage 1280

Description		Rate	Amount
Project - Per $1,000 of estimated cost		$10.00	35,000.00
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			275.00
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**		$ 35,350.00

Applicant Signature _____ **Date** 6/29/2022

Rev 01/22

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

601 Blackhawk Drive
P.O. Box 740
Burlington, Wisconsin 53105
Tel: (262) 539-3100
Fax: (262) 539-3101
www.scherrerconstruction.com

June 29, 2023

Michael Rakow
Village of Fox Point
7200 N Santa Monica Blvd.
Fox Point, WI 53217

Re: 7624 N Beach Drive
Resubmittal to Building Board

Mr. Rakow,

After the June 14, 2023, Building Board meeting, and in consideration of member comments, the plans for the proposed new single-family residence at the above referenced address have been modified. The west facing, second floor dormer nearest the garage has been omitted.

Thank you for your consideration in this matter. If you should have any questions or comments, feel free to contact me.

Sincerely,

Jennifer Blair, RA, NCARB
Senior Architect,
Supervising Professional

Cell: (847) 609-7293
Office: (262) 539-3100 x1221
Fax: (262) 539-3101
Email: jblair@scherrerconstruction.com

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BEACH DRIVE RESIDENCE

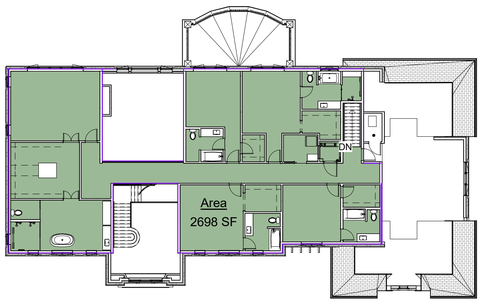
NEW SINGLE FAMILY RESIDENCE

WEST ELEVATIOIN

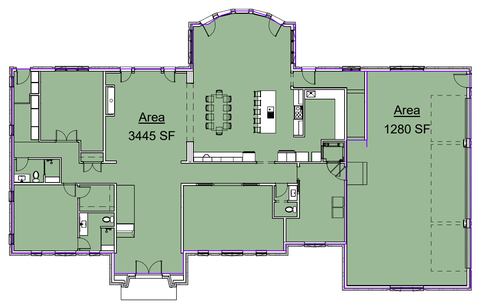
SOUTH ELEVATIOIN

EAST ELEVATIOIN

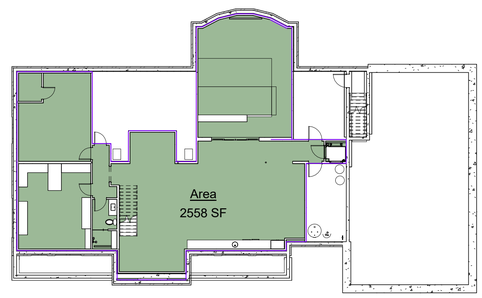
NORTH ELEVATIOIN



3 A800 UPPER LEVEL AREA PLAN-
1/16" = 1'-0"



2 A800 MAIN LEVEL AREA PLAN -
1/16" = 1'-0"



1 A800 LOWER LEVEL AREA PLAN -
1/16" = 1'-0"

Scherrer CONSTRUCTION CO., INC.
SIGNATURE HOME DIVISION
Since 1928 the Tradition Continues…

601 Blackhawk Drive,
P.O. Box 740
Burlington, Wisconsin 53105
Tel: (262) 539-3100
Fax: (262) 539-3101
www.scherrerconstruction.com

CONSULTANTS

STRUCTURAL ENGINEER:
PATRICK EAGAN, SE, PE
ONE DESIGN AND ENGINEERING, LLC
202 ASH STREET
CAMBRIDGE, WISCONSIN 53523
608.577.0443
patrick@onedne.com

CIVIL ENGINEER:
MARK D. AUGUSTINE, PE, PLS, CHMM
LANDMARK ENGINEERING SCIENCES, INC.
119 COOLIDGE AVENUE - SUITE 100
WAUKESHA, WISCONSIN 53186
414.719.2769
LANDMARK-ENGINEERING@LIVE.COM

INTERIOR DESIGN:
ERIN SHAKOOR
SHAKOOR INTERIORS
1071 W. 15TH STREET - SUITE 207
CHICAGO, ILLINOIS 60608
312.829.7126
ERIN.@SHAKOORINC.COM

LANDSCAPE DESIGN:
JIM KEMP
SCOTT BYRON & CO., INC.
5375 SOUTH 9TH STREET
MILWAUKEE, WISCONSIN 53221
414.930.9004
JKEMP@SCOTTBYRON.COM

SHEET INDEX

SHEET NUMBER	SHEET NAME
S000	GENERAL STRUCTURAL NOTES
S100	FOUNDATION PLAN
S101	FIRST FLOOR FRAMING PLAN
S102	SECOND FLOOR FRAMING PLAN
S103	ROOF FRAMING PLAN
S200	FOUNDATION DETAILS
S300	FRAMING DETAILS

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No.	Description	Date
	RESUBMIT BUILDING BOARD	2023-06-26

BEACH DRIVE RESIDENCE

7624 BEACH DRIVE
FOX POINT, WISCONSIN

COVER SHEET

Project number	20-077
Date	2023-06-01
Drawn by	Author
Checked by	Checker
Scale	1/16" = 1'-0"
Sheet Number	A800

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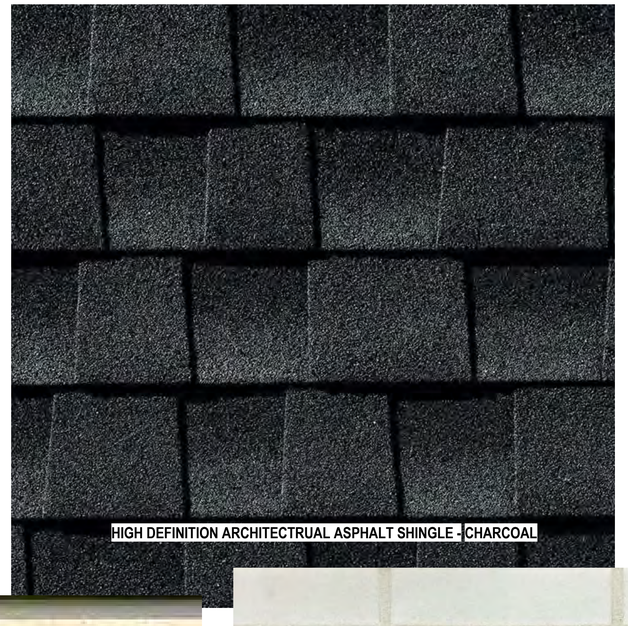

HIGH DEFINITION ARCHITECTRUAL ASPHALT SHINGLE - CHARCOAL

MARVIN NARROW FRAME
CASEMENT WINDOW - EBONY FINISH

RECESSED BRICK REVEAL
WINDOW SURROUND

BELDEN BRICK COMPANY - ALASKA WHITE SMOOTH

CHI OVERHEAD DOOR - SHORLINE SERIES WALNUT FINISH

RECESSED LIMESTONE ENTRY SURROUND

MARVIN NARROW FRAME IN-SWING FRENCH DOOR - EBONY FINISH

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No.	Description	Date
	RESUBMIT BUILDING BOARD	2023-06-26

BEACH DRIVE RESIDENCE

7624 BEACH DRIVE
FOX POINT, WISCONSIN

EXTERIOR IMAGES

Project number	20-077
Date	2023-06-01
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Scale	
Sheet Number	A801

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PLAT OF SURVEY

BEING A PART OF THE SOUTH 1/2 OF THE NE. 1/4 OF SECTION 16, T.8N., R.22E.,
VILLAGE OF FOX POINT, MILWAUKEE COUNTY, WISCONSIN

LANDMARK
ENGINEERING SCIENCES, INC.
119 COOLIDGE AVE., SUITE 100
WAUKESHA, WI 53186
(414) 719-2769
landmark-engineering@live.com

SURVEYOR:
MARK AUGUSTINE, PLS

SURVEY FOR:
SCHERRER CONSTRUCTION

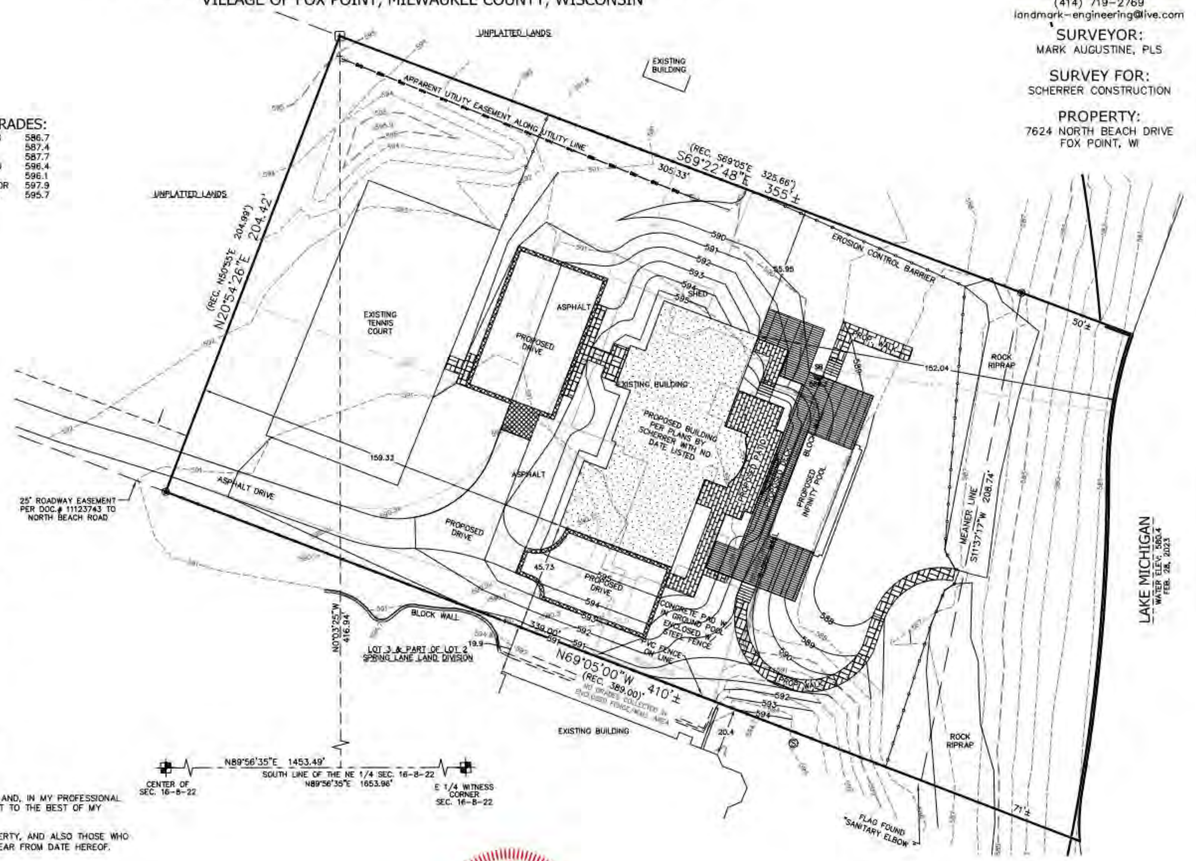
PROPERTY:
7624 NORTH BEACH DRIVE
FOX POINT, WI

LEGEND

- ⊕ – CONC. MON. W/ BRASS CAP FND.
- ⊕ – STONE MONUMENT FND.
- ◉ – 1" IRON PIPE FOUND (UNLESS OTHERWISE STATED)
- • – 1" DIA. IRON PIPE SET, 18" LONG
- ▪ – FIELD INLET
- ▪ – UTILITY BOX
- – OVERHEAD UTILITY WIRE
- – UTILITY POLE W/ GUY WIRE
- – CONCRETE
- – ASPHALT

PROPOSED GRADES:

BOTTOM OF FOOTING	586.7
TOP OF FOOTING	587.4
BASEMENT FLOOR	587.7
TOP OF FOUNDATION	596.4
GARAGE FLOOR	596.1
FINISHED FIRST FLOOR	597.9
PROP. YARD GRADE	595.7



SCALE: 1" = 30'
0 15 30 60

BEARINGS ARE REFERENCED TO THE SOUTH LINE OF THE NE 1/4 OF SECTION 16-8-22 AS N89°56'35"E.

NOTES:

1. ADDITIONAL EASEMENTS, IF ANY, ARE NOT SHOWN.
2. THE SURVEYOR TAKES NO RESPONSIBILITY FOR ANY UNDERGROUND STRUCTURES OR BURIED MATERIALS SUCH AS FOUNDATIONS, WELLS, SEPTIC, HOLDING TANKS, UTILITIES, HAZARDOUS MATERIALS, OR ANY OTHER ITEMS OF WHICH NO EVIDENCE CAN BE FOUND ON THE SURFACE BY A VISUAL INSPECTION.
3. THE FIELD WORK WAS COMPLETED ON FEB. 28, 2023.
4. BENCH MARK: CENTER OF SECTION 16, BRASS CAP 689.74 NAVD88.
5. DUE TO SNOW COVER THE ACCURACY OF DRIVEWAYS, WALKS AND POTENTIAL STRUCTURES BURIED BY SNOW CAN NOT BE RELIED UPON.

SURVEYOR'S NOTE:

–RECORD LEGAL DESCRIPTION DOES NOT MATCH FOUND MONUMENT CORNERS. THIS SURVEY HELD EXISTING FOUND MONUMENTS AS BEST EVIDENCE OF BOUNDARY LINES AS PREVIOUS SURVEY BY SAUER DATED AUGUST 16, 2016. THE THREE CALLS TO THE POINT OF BEGINNING ALSO DID NOT MATCH EXISTING MONUMENTS, WHICH NEW CALLS WERE CREATED.

SURVEYOR'S CERTIFICATE:

I HEREBY CERTIFY THAT I HAVE SURVEYED THE ABOVE DESCRIBED PROPERTY AND, IN MY PROFESSIONAL OPINION, THE ABOVE MAP IS A TRUE REPRESENTATION THEREOF AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

THIS SURVEY IS MADE FOR THE 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.

LEGAL DESCRIPTION (PER DOC. #11123743)

PARCEL 1 :
That part of the Northeast 1/4 of Section 16, in Township 8 North, Range 22 East, in the Village of Fox Point, Milwaukee County, Wisconsin, bounded and described as follows, to wit:
Commencing at a point 507.42 feet North 0° 09' West of and 1208.10 feet South 89° 56' East of the center of said Section 16, said point being in the center of the North Beach Road; thence South 69° 05' East 325.66 feet to the shore of Lake Michigan; thence South 3° 45' West along the shore of Lake Michigan, 214.56 feet to a point; thence North 69° 05' West, 389 feet to a point; thence North 20° 55' East 204.99 feet to the place of beginning.
PARCEL 2:
Non–exclusive Easement for the benefit of parcel 1 created by Warranty Deed from Hilda Guthrie to Grauley Stewart Crane and Rosalie Garson Crane, husband and wife, by an instrument dated September 14, 1929 and recorded September 16, 1929, as Document No. 1732394 for roadway purposes.

PROJECT # 3711.00

WISCONSIN MARK AUGUSTINE WAUKESHA DRAFT PROFESSIONAL LAND SURVEYOR
01 JUN 2023

WAIVER:

IN ACCORDANCE WITH AE-7.01(2)(a) OF WISCONSIN ADMINISTRATIVE CODE, THE MISSING LOT CORNER MONUMENTS WERE NOT RESET AT THIS TIME AS AGREED BY PROFESSIONAL LAND SURVEYOR AND CLIENT

CLIENT: _____ DATE: _____

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No.	Description	Date
	RESUBMIT BUILDING BOARD	2023-06-26

BEACH DRIVE RESIDENCE

7624 BEACH DRIVE
FOX POINT, WISCONSIN

PLAT OF SURVEY - GRADING PLAN

Project number	20-077
Date	2023-06-01
Drawn by	Author
Checked by	Checker
Scale	
Sheet Number	A802

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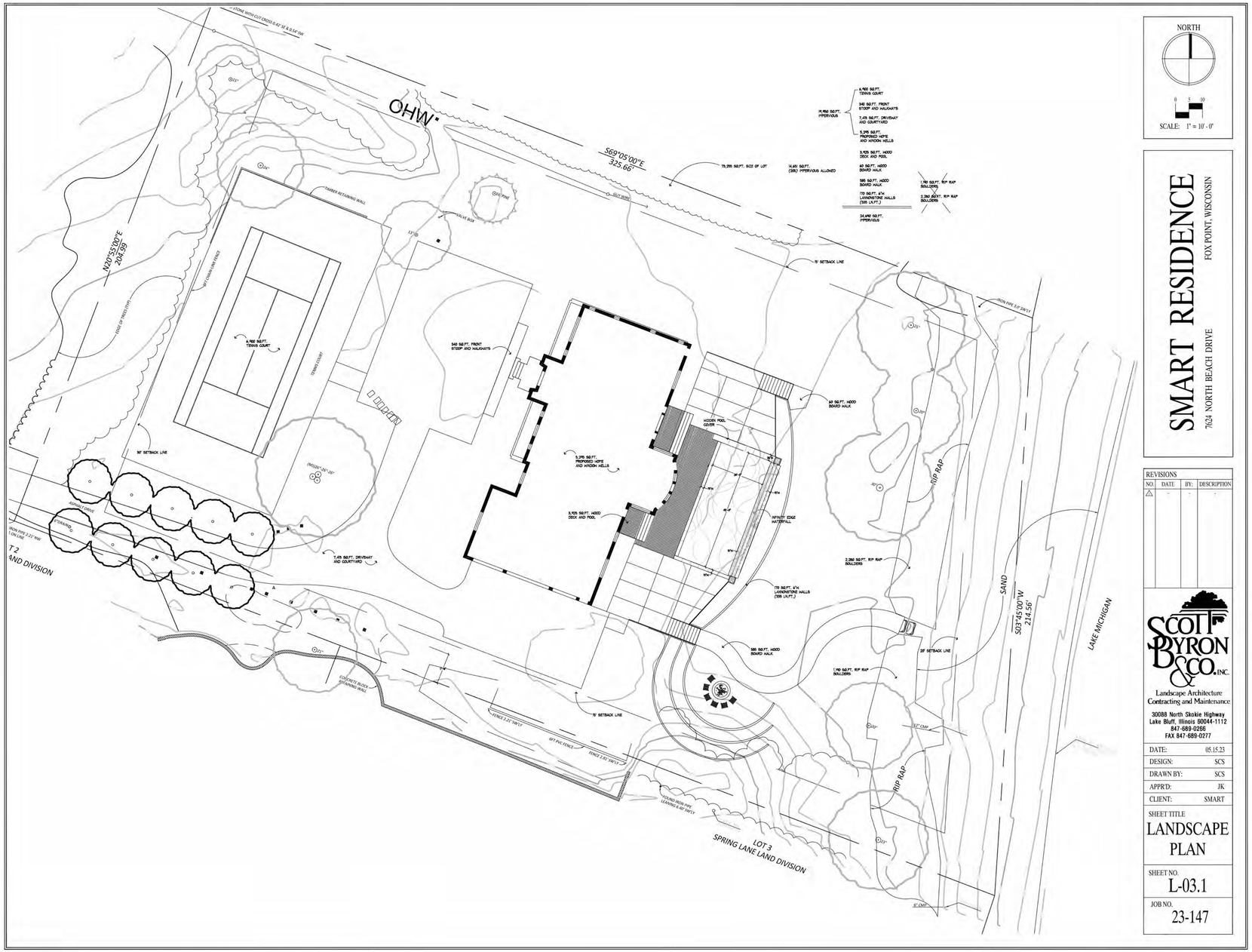

NORTH

0 5 10

SCALE: 1" = 10'-0"

SMART RESIDENCE

FOX POINT, WISCONSIN

7624 NORTH BEACH DRIVE

REVISIONS			
NO.	DATE	BY:	DESCRIPTION
1	-	-	-

SCOTT BYRON & CO. INC.
Landscape Architecture
Contracting and Maintenance
30088 North Skokie Highway
Lake Bluff, Illinois 60044-1112
847-689-0266
FAX 847-689-0277

DATE:	05.15.23
DESIGN:	SCS
DRAWN BY:	SCS
APPR'D:	JK
CLIENT:	SMART

SHEET TITLE
LANDSCAPE PLAN

SHEET NO.
L-03.1

JOB NO.
23-147

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No.	Description	Date
	RESUBMIT BUILDING BOARD	2023-06-26

BEACH DRIVE RESIDENCE

7624 BEACH DRIVE
FOX POINT, WISCONSIN

PROPSED LANDSCAPE PLAN

Project number	20-077
Date	2023-06-01
Drawn by	Author
Checked by	Checker
Scale	
Sheet Number	A803

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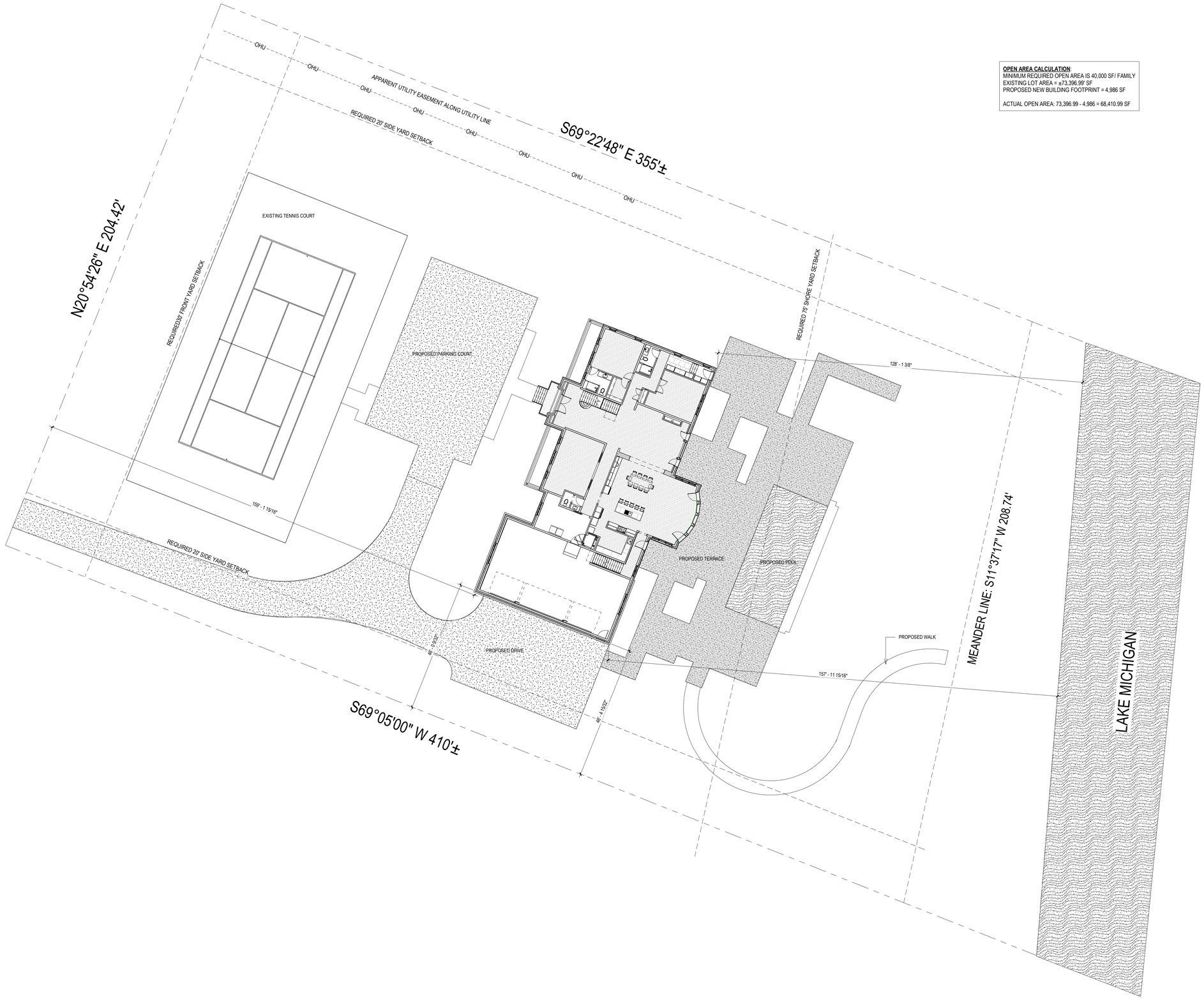

1 A804 ARCHITECTURAL SITE PLAN -
1/16" = 1'-0"

OPEN AREA CALCULATION:
MINIMUM REQUIRED OPEN AREA IS 40,000 SF/ FAMILY
EXISTING LOT AREA = ±73,396.99' SF
PROPOSED NEW BUILDING FOOTPRINT = 4,986 SF

ACTUAL OPEN AREA: 73,396.99 - 4,986 = 68,410.99 SF

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No.	Description	Date
	RESUBMIT BUILDING BOARD	2023-06-26

BEACH DRIVE RESIDENCE

7624 BEACH DRIVE
FOX POINT, WISCONSIN

ARCHITECTURAL SITE PLAN

Project number	20-077
Date	2023-06-01
Drawn by	Author
Checked by	Checker
Scale	1/16" = 1'-0"
Sheet Number	A804

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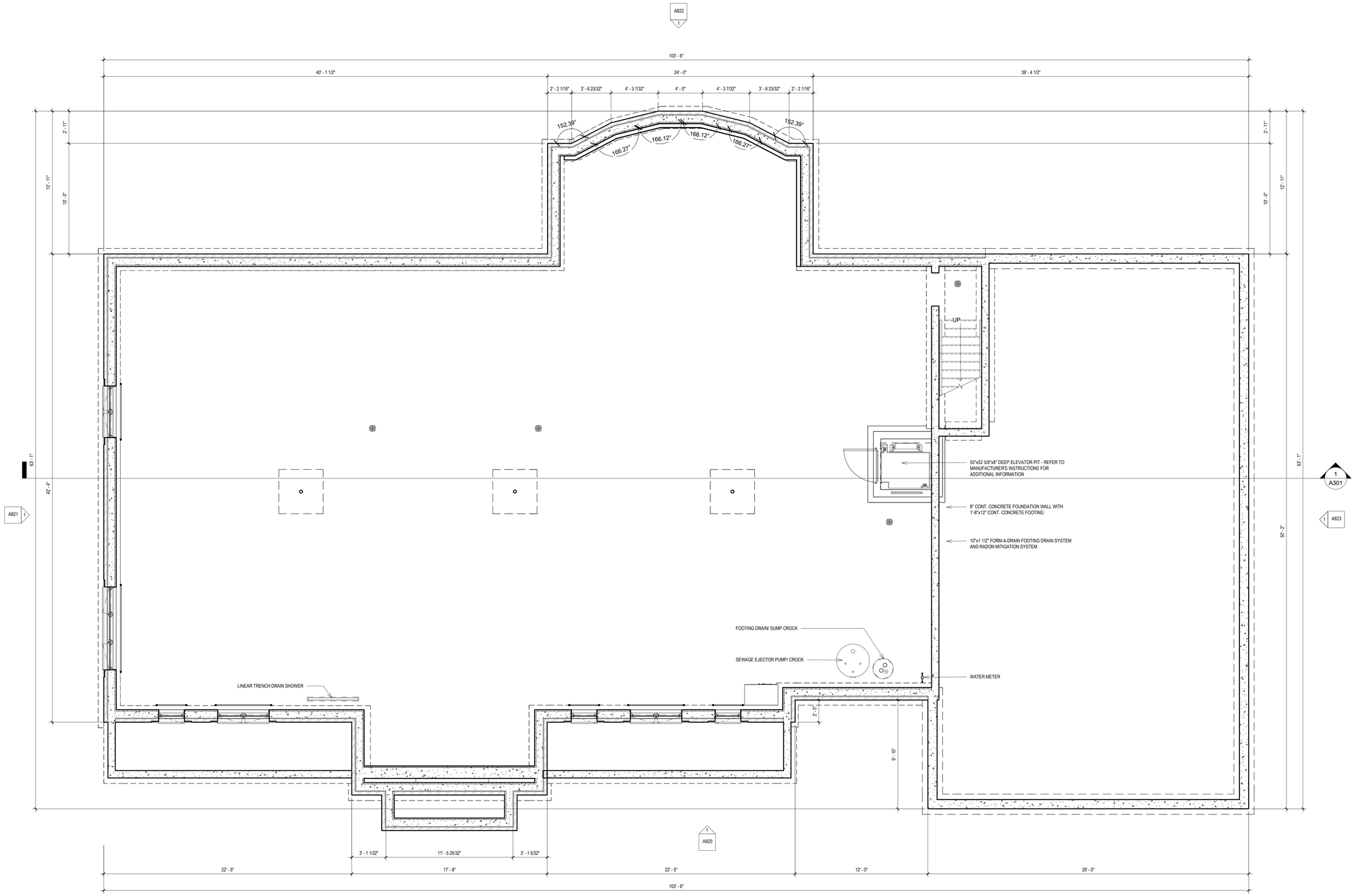

1 A810 FOUNDATION PLAN - BUILDING BOARD
1/4" = 1'-0"

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No.	Description	Date
	RESUBMIT BUILDING BOARD	2023-06-26

BEACH DRIVE RESIDENCE

7624 BEACH DRIVE
FOX POINT, WISCONSIN

FOUNDATION PLAN

Project number	20-077
Date	2023-06-01
Drawn by	Author
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Scale	1/4" = 1'-0"
Sheet Number	A810

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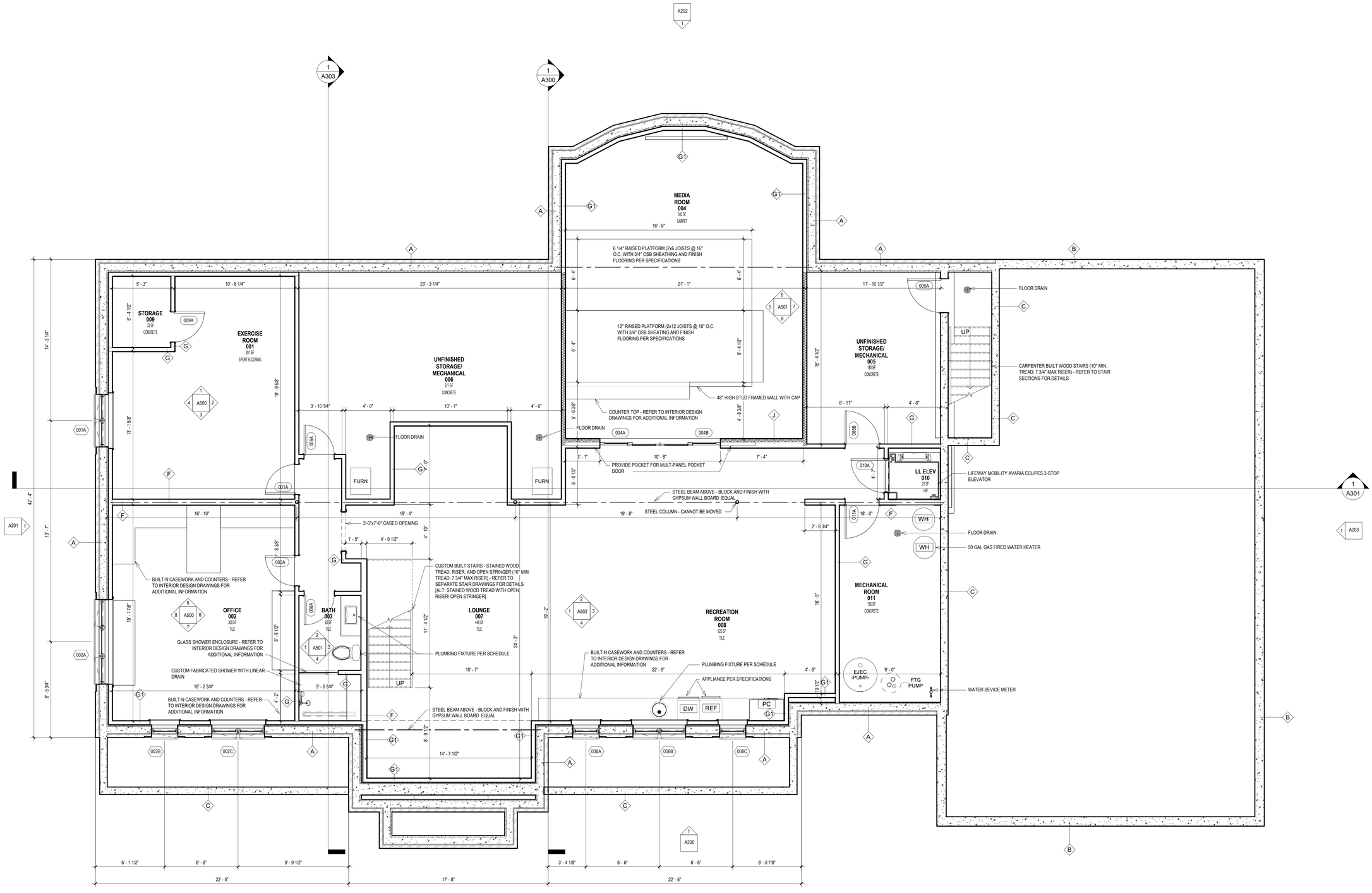

1 A811 LOWER LEVEL PLAN - BUILDING BOARD
1/4" = 1'-0"

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No.	Description	Date
	RESUBMIT BUILDING BOARD	2023-06-26

BEACH DRIVE RESIDENCE

7624 BEACH DRIVE
FOX POINT, WISCONSIN

LOWER LEVEL PLAN

Project number	20-077
Date	2023-06-01
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Scale	1/4" = 1'-0"
Sheet Number	A811

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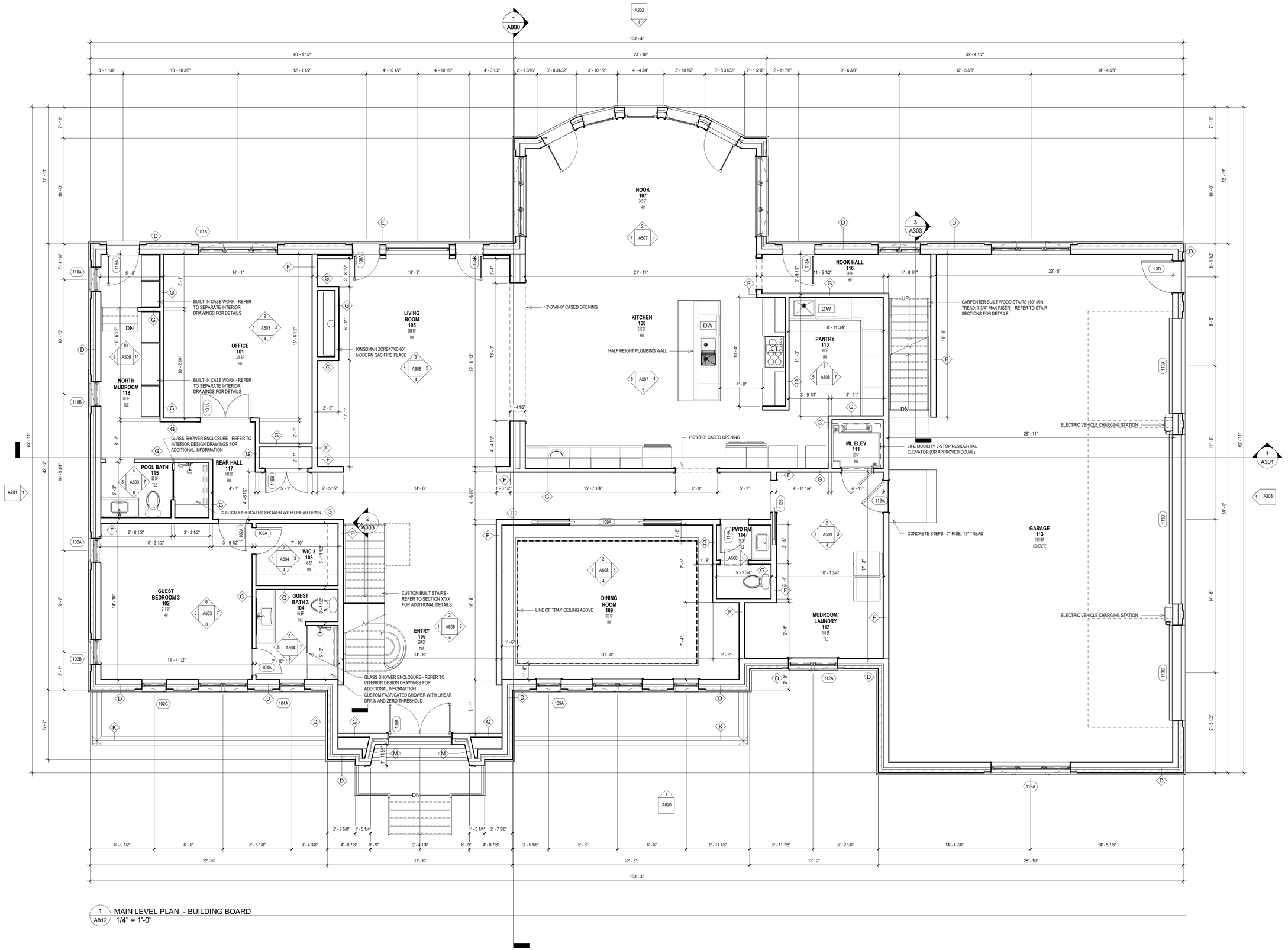

1 MAIN LEVEL PLAN - BUILDING BOARD
A812 1/4" = 1'-0"

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No.	Description	Date
	RESUBMIT BUILDING BOARD	2023-06-26

BEACH DRIVE RESIDENCE

7624 BEACH DRIVE
FOX POINT, WISCONSIN

MAIN LEVEL PLAN

Project number	20-077
Date	2023-06-01
Drawn by	Author
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Scale	1/4" = 1'-0"
Sheet Number	A812

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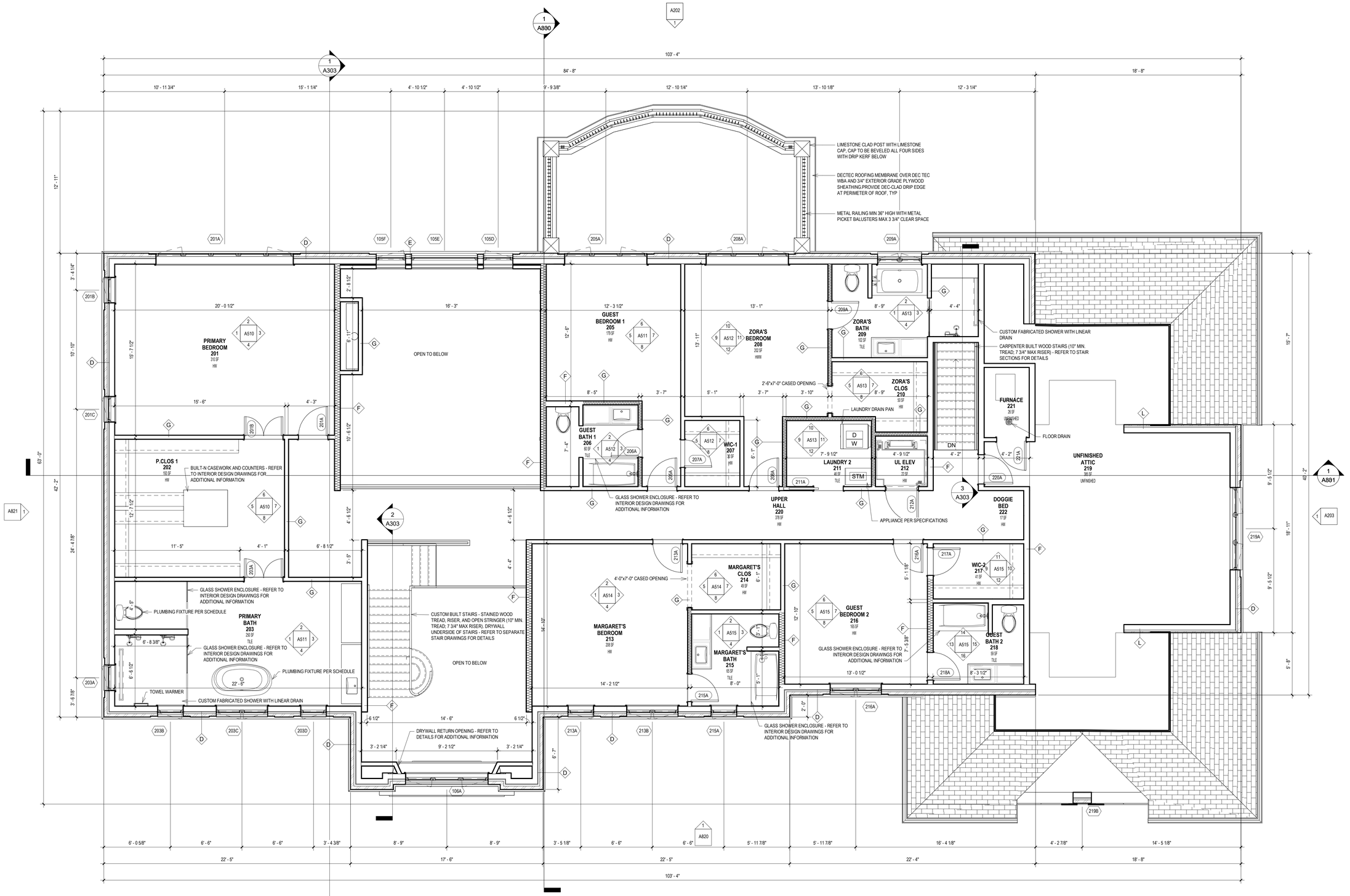

1 A813 UPPER LEVEL PLAN - BUILDING BOARD
1/4" = 1'-0"

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No.	Description	Date
	RESUBMIT BUILDING BOARD	2023-06-26

BEACH DRIVE RESIDENCE

7624 BEACH DRIVE
FOX POINT, WISCONSIN

UPPER LEVEL PLAN

Project number	20-077
Date	2023-06-01
Drawn by	Author
Checked by	Checker
Scale	1/4" = 1'-0"
Sheet Number	A813

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1 A820 WEST ELEVATION - BUILDING BOARD
1/4" = 1'-0"

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No.	Description	Date
	RESUBMIT BUILDING BOARD	2023-06-26

BEACH DRIVE RESIDENCE

7624 BEACH DRIVE
FOX POINT, WISCONSIN

WEST ELEVATION

Project number	20-077
Date	2023-06-01
Drawn by	Author
Checked by	Checker
Scale	1/4" = 1'-0"
Sheet Number	A820

6/28/2023 6:48:11 AM

1 / A821 NORTH ELEVATION - BUILDING BOARD
1/4" = 1'-0"

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No.	Description	Date

1 A822 EAST ELEVATION - BUILDING BOARD
1/4" = 1'-0"

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P.O. Box 740
Burlington, Wisconsin 53105
Tel: (262) 539-3100
Fax: (262) 539-3101
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No.	Description	Date
	RESUBMIT BUILDING BOARD	2023-06-26

BEACH DRIVE RESIDENCE

7624 BEACH DRIVE
FOX POINT, WISCONSIN

EAST ELEVATION

Project number	20-077
Date	2023-06-01
Drawn by	Author
Checked by	Checker
Scale	1/4" = 1'-0"
Sheet Number	A822

6/28/2023 6:48:13 AM

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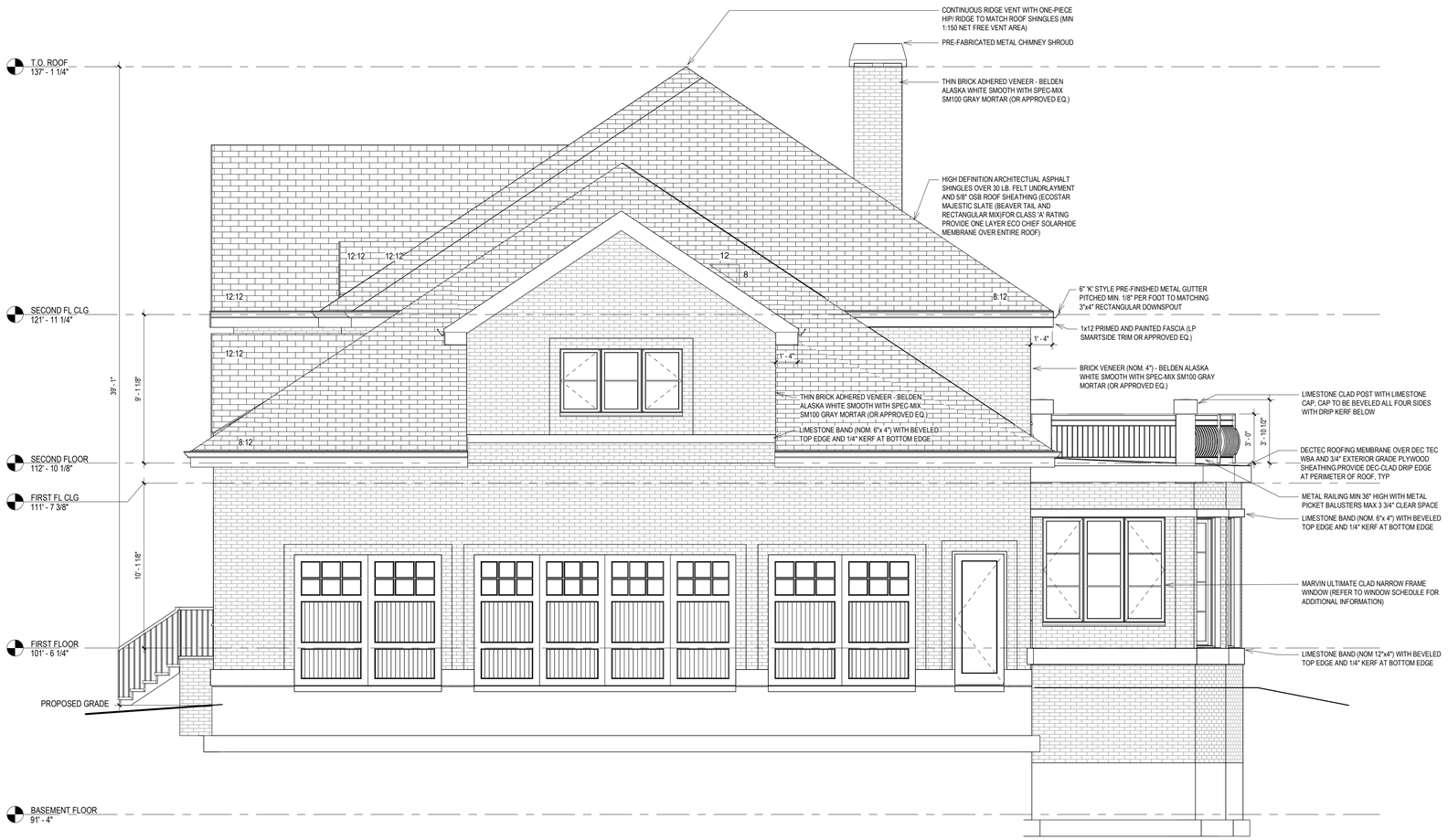

1 A823 SOUTH ELEVATION - BUILDING BOARD
1/4" = 1'-0"

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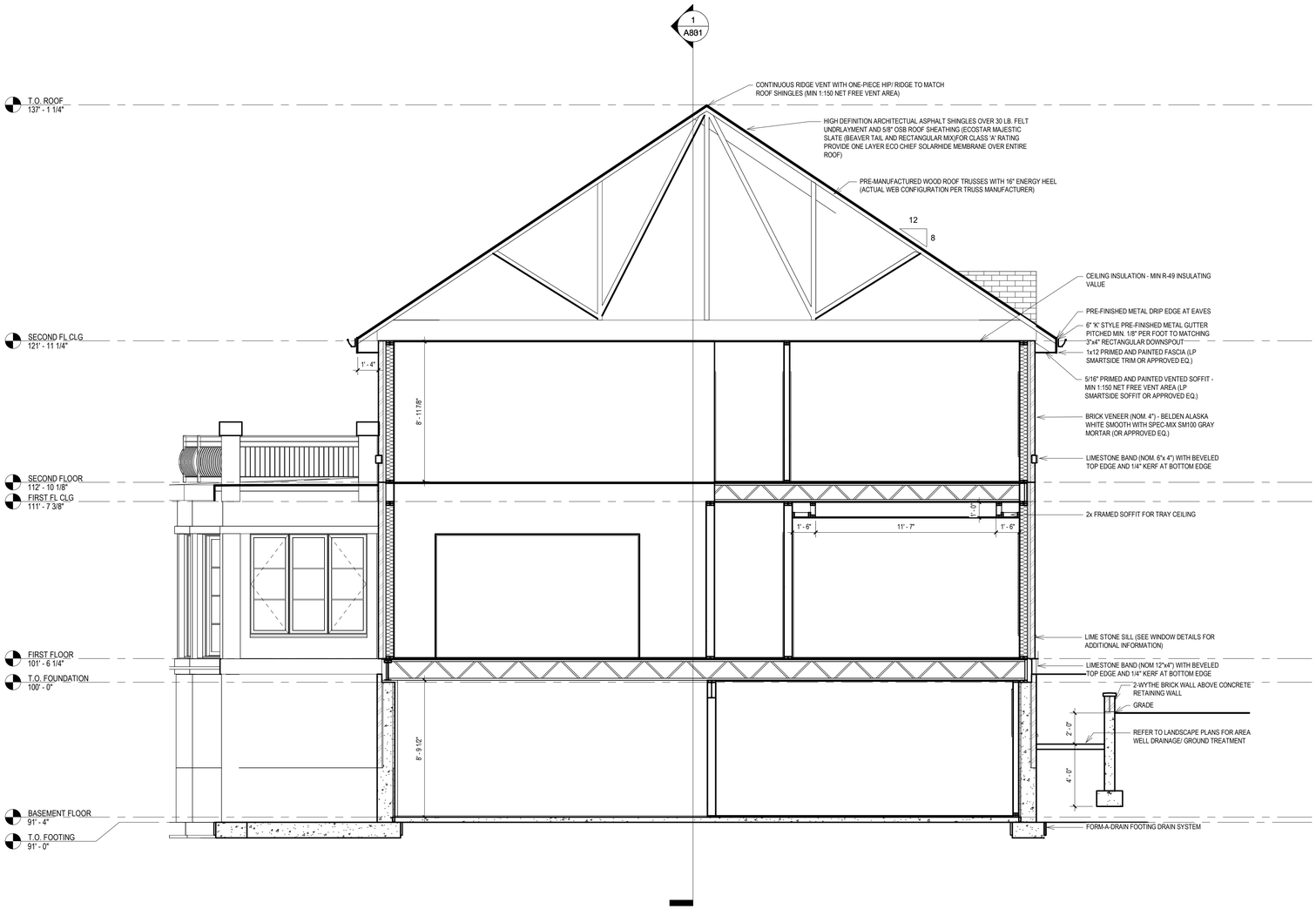
No.	Description	Date



1 A830 BUILDING SECTION - LOOKING SOUTH
1/4" = 1'-0"

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No.	Description	Date
	RESUBMIT BUILDING BOARD	2023-06-26

BEACH DRIVE RESIDENCE

7624 BEACH DRIVE
FOX POINT, WISCONSIN

BUILDING SECTIONS

Project number	20-077
Date	2023-06-01
Drawn by	Author
Checked by	Checker
Scale	1/4" = 1'-0"
Sheet Number	A830

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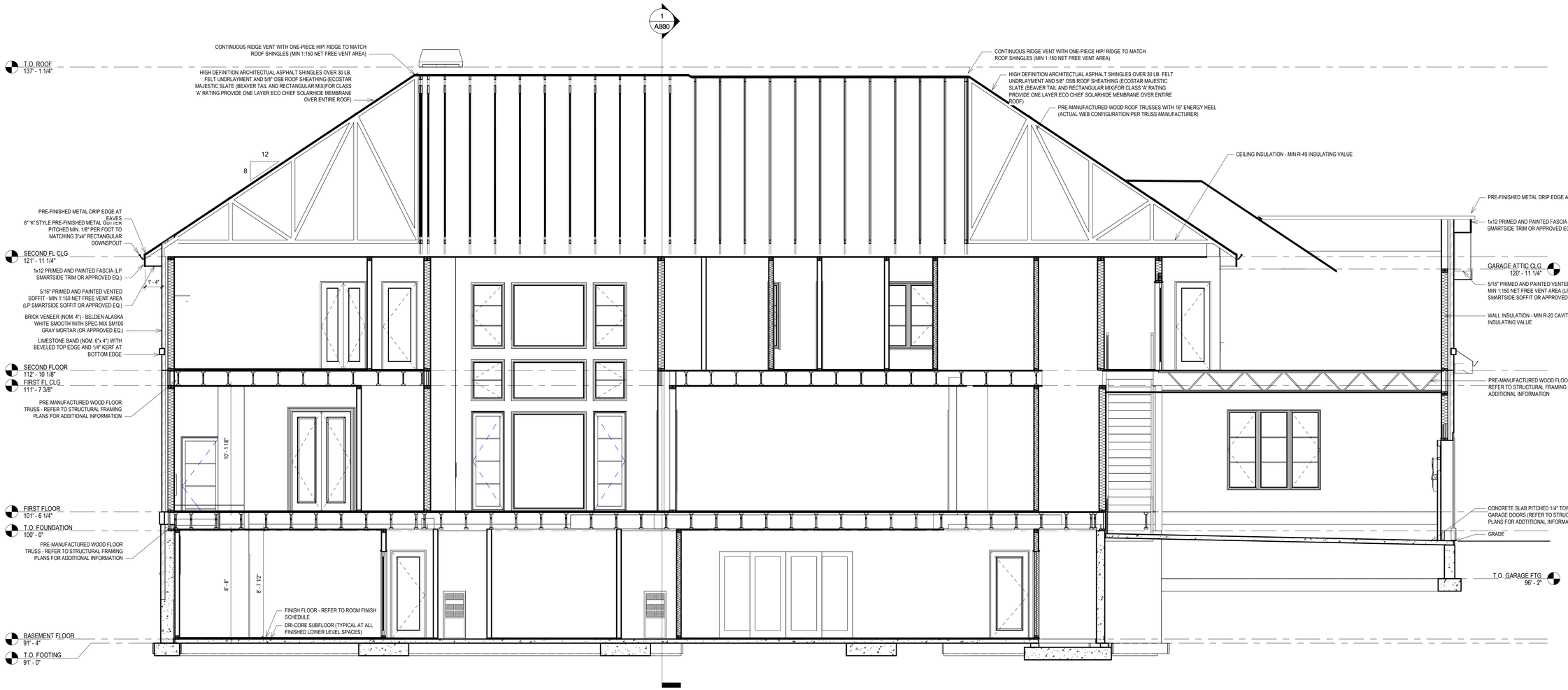

1 A831 BUILDING SECTION - LOOKING EAST
1/4" = 1'-0"

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No.	Description	Date
	RESUBMIT BUILDING BOARD	2023-06-26

BEACH DRIVE RESIDENCE

7624 BEACH DRIVE
FOX POINT, WISCONSIN

BUILDING SECTION

Project number	20-077
Date	2023-06-01
Drawn by	Author
Checked by	Checker
Scale	1/4" = 1'-0"

Sheet Number
A831

6/28/2023 6:48:17 AM

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

BUILDING PERMIT APPLICATION

All applications must contain one (1) complete set of plans and specifications.

All plans must be drawn at a scale that adequately illustrates all of the required information in sufficient detail to demonstrate code compliance to the satisfaction of the Village staff reviewing the application. *Drawings that do not show all necessary detail shall be rejected.*

All applications for work proposed to the exterior of a property must be submitted to the Building Board for approval.

Additions

1. Building Board Required
2. Survey
3. Open Area Calculation
4. Site Plan
5. Building Elevations
6. Footing/Foundation Plan
7. Floor Plan
8. Cross Sections
9. Structural Details
10. Truss Plans/Layout
11. Tall Wall Design Calculations
12. Energy Calculations
13. Wall Bracing
14. Grading, Drainage and Erosion Control Permit (See Eng)
15. Fill Permit (See Eng)

Accessory Structures (≤ 100 sqft)

1. Survey - Showing the Location
2. Open Area Calculation
3. Building Elevations
4. Building Sections

Accessory Structures (> 100 sqft)

1. Building Board Required
2. Survey - Showing the Location
3. Open Area Calculation
4. Building Elevations
5. Footing/Foundation Plan
6. Building Sections

Decks

1. Building Board Required
2. Survey - Showing the Location
3. Open Area Calculation
4. Footing/Framing Plan

VILLAGE OF FOX POINT
7200 N Santa Monica Blvd
Fox Point, WI 53217
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Driveways

1. Permit Not Required
2. Three Foot Setback Required

Fences

1. Board of Appeals and Building Board, Case by Case Basis
2. Survey - Showing the Location
3. Fence Detail

Interior Remodels

1. Floor Plans
2. Structural Details

New Home Construction

1. Building Board Required
2. Survey
3. Open Area Calculation
4. Site Plan
5. Building Elevations
6. Footing/Foundation Plan
7. Floor Plan
8. Cross Sections
9. Structural Details
10. Truss Plans/Layout
11. Tall Wall Design Calculations
12. Energy Calculations
13. Wall Bracing
14. Grading, Drainage and Erosion Control Permit (See Eng)
15. Fill Permit (See Eng)
16. Culvert Permit (See Eng)

Pools/Hot Tub

1. Building Board Required
2. Survey - Showing the Location
3. Open Area Calculation
4. Pool/Hot Tub Information

Roofs

1. Building Board Required if Changing Roofline
2. Building Permit Required

Siding

1. Building Board, Case by Case Basis

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Solar Panels

1. Building Board Required
2. Survey - Showing the Location (Ground Mounted Only)
3. One Line Diagram
4. Open Area Calculation
5. Structural Calculations
6. System Layout
7. Connection Details
8. Equipment Information and Listing

Windows/Doors

1. Building Board, Case by Case Basis
2. Replacements That Fit in the Same Frame Area, Building Board Not Required

Rev 01/22

VILLAGE OF FOX POINT
7200 N Santa Monica Blvd
Fox Point, WI 53217
(414) 247-6622
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CAUTIONARY STATEMENT TO OWNERS OBTAINING BUILDING PERMITS

101.65(1r) of the Wisconsin Statutes requires municipalities that enforce the Uniform Dwelling Code to provide an owner who applies for a building permit with a statement advising the owner that:

If the owner hires a contractor to perform work under the building permit and the contractor is not bonded or insured as required under s. 101.654(2)(a), the following consequences might occur:

(a) The owner may be held liable for any bodily injury to or death of others or for any damage to the property of others that arises out of the work performed under the building permit or that is caused by any negligence by the contractor that occurs in connection with the work performed under the building permit.

(b) The owner may not be able to collect from the contractor damages for any loss sustained by the owner because of a violation by the contractor of the one- and two- family dwelling code or an ordinance enacted under sub. (1)(a), because of any bodily injury to or death of others or damage to the property of others that arises out of the work performed under the building permit or because of any bodily injury to or death of others or damage to the property of others that is caused by any negligence by the contractor that occurs in connection with the work performed under the building permit.

Wetlands Notice to Permit Applicants

You are responsible for complying with state and federal laws concerning the construction near or on wetlands, lakes, and streams. Wetlands that are not associated with open water can be difficult to identify. Failure to comply may result in removal or modification of construction that violates the law or other penalties or costs. For more information, visit the Department of Natural Resources wetlands identification web page or contact a Department of Natural Resources service

Additional Responsibilities for Owners of Projects Disturbing One or More Acre of Soil

I understand that this project is subject to ch. NR 151 regarding additional erosion control and stormwater management and will comply with those standards.

Homeowner's Name – PRINTED	Property Address
Homeowner's Signature	Date

Rev 09/20

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 7348 N Crossway Rd	**Building Type:** Residential ☑ Commercial ☐
Description of Work	
Roof mounted solar array	
Estimated Cost of Project $ 38,328	

Owner/Occupant	
Business Name	Contact Name Thomas Barnum
Address 7348 N Crossway Rd	City/State/Zip Fox Point, WI 53217
Phone (414) 828-7348	Email Tgbarnum@gmail.com

Cautionary Statement required when homeowner is applying for permit*

Contractor	
Company Name	Contact Name Phil Sutter
Address 7182 Hwy 14, Unit 201	City/State/Zip Middleton, WI 53562
Phone (608) 558-3842	Email approval@solenergysolar.com
Dwelling Contractor # DC-042100451	Dwelling Contractor Qualifier # DCQ-052100555

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

Description		Rate	Amount
Project - Per $1,000 of estimated cost		$10.00	$383
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			$275
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	**$70.00**	
Payable to: Village of Fox Point	**Total Permit Fee**	**$** 658	

Applicant Signature _____ *Jake Hirsbrunner* **Date** 2023-05-30

Rev 01/22

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

05/30/2023

RE: Structural Certification for Installation of Residential Solar
THE THOMAS BARNUM RESIDENCE:7348 NORTH CROSSWAY ROAD, FOX POINT, WI 53217

Attn: To Whom It May Concern

This Letter is for the existing roof framing which supports the new PV modules as well as the attachment of the PV system to existing roof framing. From the field observation report, the roof is made of Asphalt Shingle roofing over roof plywood supported by 2X4 Trusses at 24 inches. The slope of the roof was approximated to be 25 degrees. The maximum allowable chord span is 7 feet between supports.

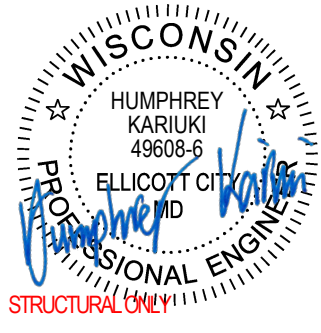
After review of the field observation data and based on our structural capacity calculation, **the existing roof framing has been determined to be adequate to support the imposed loads without structural upgrades.** Contractor shall verify that existing framing is consistent with the described above before install. Should they find any discrepancies, a written approval from SEOR is mandatory before proceeding with install. Capacity calculations were done in accordance with applicable building codes.

Design Criteria

Code	2015 International Residential Code (ASCE 7-10)				
Risk category		II	Wind Load	(component and Cladding)	
Roof Dead Load	Dr	10 psf		V(ult)	115 mph
PV Dead Load	DPV	3 psf		Exposure	C
Roof Live Load	Lr	20 psf			
Ground Snow	S	30 psf			

If you have any questions on the above, please do not hesitate to call.

Sincerely,



Structural Letter for PV Installation

Date: 05/30/2023
Job Address: **7348 NORTH CROSSWAY ROAD**
FOX POINT, WI 53217
Job Name: **THE THOMAS BARNUM RESIDENCE**
Job Number: **230525TTBR**

Scope of Work

This Letter is for the existing roof framing which supports the new PV modules as well as the attachment of the PV system to existing roof framing. All PV mounting equipment shall be designed and installed per manufacturer's approved installation specifications.

Table of Content

Sheet	
1	Cover
2	Attachment checks
3	Snow and Roof Framing Check
4	Seismic Check and Scope of work

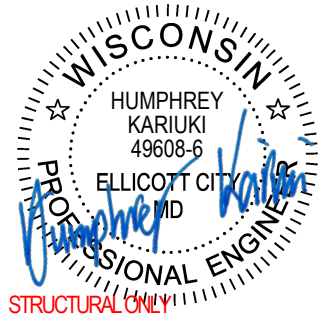
Engineering Calculations Summary

Code	2015 International Building Code (ASCE 7-10)		
Risk category		II	
Roof Dead Load	Dr	10	psf
PV Dead Load	DPV	3	psf
Roof Live Load	Lr	20	psf
Ground Snow	S	30	psf
Wind Load	(component and Cladding)		
	V (Ult)	115	mph
	Exposure	C	

References

2 NDS for Wood Construction

Sincerely,



Wind Load Cont.

Risk Category =	II		ASCE 7-10 Table 1.5-1
Wind Speed (3s gust), V =	**115**	**mph**	**ASCE 7-10 Figure 26.5-1A**
Roughness =	**C**		**ASCE 7-10 Sec 26.7.2**
Exposure =	**C**		**ASCE 7-10 Sec 26.7.3**
Topographic Factor, K_{ZT} =	1.00		ASCE 7-10 Sec 26.8.2
Pitch =	25.0	Degrees	
Adjustment Factor, λ =	1.21		ASCE 7-10 Figure 30.5-1
a =	3.60	ft	ASCE 7-10 Figure 30.5-1

Where a: 10% of least horizontal dimension or 0.4h, whichever is smaller, but not less than 4% of least horizontal dimension or 3ft (0.9m)

Uplift (0.6W)	Zone 1 (psf)	Zone 2 (psf)	Zone 3 (psf)	
Pnet30=	-14.2	-20.0	-31.5	Figure 30.5-1
Pnet = 0.6 x λ x KZT x Pnet30)=	10.28	14.49	22.84	Equation 30.5-1
Downpressure (0.6W)	Zone 1 (psf)	Zone 2 (psf)	Zone 3 (psf)	
Pnet30=	7.6	7.6	7.6	Figure 30.5-1
Pnet = 0.6 x λ x KZT x Pnet30)=	5.51	5.51	5.51	Equation 30.5-1

Rafter Attachments: 0.6D+0.6W (CD=1.6)

Connection Check

Attachement max. spacing=	4	ft	Staggered
RTMini-(2) SS304x60mm Withdrawal Value=	250	lbs	Manufacturer Test
Safety Factor	2	in	
Allowable Capacity=	250		

Zone	Trib Width		Area (ft)	Uplift (lbs)	Down (lbs)	
1		4	11.0	93.3	93.6	
2		4	11.0	139.6	93.6	
3		4	11.0	231.4	93.6	
			Max=	231.4	<	250
				CONNECTION IS OK		

1. Pv seismic dead weight is negligible to result in significant seismic uplift, therefore the wind uplift governs

Vertical Load Resisting System Design

Roof Framing **Trusses**

Snow Load Fully Exposed

pg=	30	psf	ASCE 7-10 , Section 7.2	**p_f =**	21	psf	
C_e =	0.9		ASCE 7-10 , Table 7-2	**$p_{fmin.}$ =**	**20.8**	psf	
C_t =	1.1		ASCE 7-10 , Table 7-3	**p_s =**	**21**	psf	33.3 plf
I_s =	1.0		ASCE 7-10 , Table 1.5-1		Conservatively (Cs=0.8)		

Max Length, L = **7.0** ft (Beam maximum Allowable Horizontal Span)

Tributary Width, W_T = **24** in

Dr = **10** psf 20 plf

PvDL = 3 psf 6 plf

Load Case: DL+0.6W

Pnet+ $P_{pv}\cos(\theta)+P_{DL}$= 37.0 plf

Max Moment, M_u = 165 lb-ft Conservatively

Pv max Shear 93.6 lbs

Max Shear, V_u=wL/2+Pv Point Load = 185 lbs

Load Case: DL+0.75(0.6W+S)

0.75(Pnet+Ps)+ $P_{pv}\cos(\theta)+P_{DL}$= 59 plf

M_{down}= 261 lb-ft

Mallowable = Sx x Fb' (wind)= 634 lb-ft > 261 lb-ft **OK**

Load Case: DL+S

Ps+ $P_{pv}\cos(\theta)+P_{DL}$= 59 plf

M_{down}= 261 lb-ft

Mallowable = Sx x Fb' (wind)= 456 lb-ft > 261 lb-ft **OK**

Max Shear, V_u=wL/2+Pv Point Load = 205 lbs

Member Capacity

DF-L No.2

2X4	Design Value	C_L	C_F	C_i	C_r	K_F	ϕ	λ	Adjusted Value
F_b =	900 psi	1.0	1.5	1.0	1.15	2.54	0.85	0.8	1553 psi
F_v =	180 psi	N/A	N/A	1.0	N/A	2.88	0.75	0.8	180 psi
E =	1600000 psi	N/A	N/A	1.0	N/A	N/A	N/A	N/A	1600000 psi
E_{min} =	580000 psi	N/A	N/A	1.0	N/A	1.76	0.85	N/A	580000 psi

Depth, d = 3.5 in

Width, b = 1.5 in

Cross-Sectonal Area, A = 5.25 in^2

Moment of Inertia, I_{xx} = 5.35938 in^4

Section Modulus, S_{xx} = 3.0625 in^3

Allowable Moment, $M_{all} = F_b'S_{xx}$ = 396.2 lb-ft DCR=M_u/M_{all} = 0.52 < 1 **Satisfactory**

Allowable Shear, $V_{all} = 2/3F_v'A$ = 630.0 lb DCR=V_u/V_{all} = 0.33 < 1 **Satisfactory**

Siesmic Loads Check

Roof Dead Load	10	psf
% or Roof with Pv	23.8%	
Dpv and Racking	3	psf
Averarage Total Dead Load	10.7	psf
Increase in Dead Load	4.8%	**OK**

The increase in seismic Dead weight as a result of the solar system is less than 10% of the existing structure and therefore no further seismic analysis is required.

Limits of Scope of Work and Liability

We have based our structural capacity determination on information in pictures and a drawing set titled PV plans -THE THOMAS BARNUM RESIDENCE. The analysis was according to applicable building codes, professional engineering and design experience, opinions and judgments. The calculations produced for this structure's assessment are only for the proposed solar panel installation referenced in the stamped plan set and were made according to generally recognized structural analysis standards and procedures.

SINGLE LINE DIAGRAM: DC SYSTEM SIZE-8,580W, AC SYSTEM SIZE-6,600W

MICROINVERTER SPECIFICATIONS	
MODEL	ENPHASE IQ8+-72-2-US
MAX CONTINUOUS OUTPUT POWER	300W
MAX OUTPUT CURRENT	1.21A
CEC WEIGHTED EFFICIENCY	97.6%
MAX DC VOLTAGE	120V
MAX DC POWER	440W

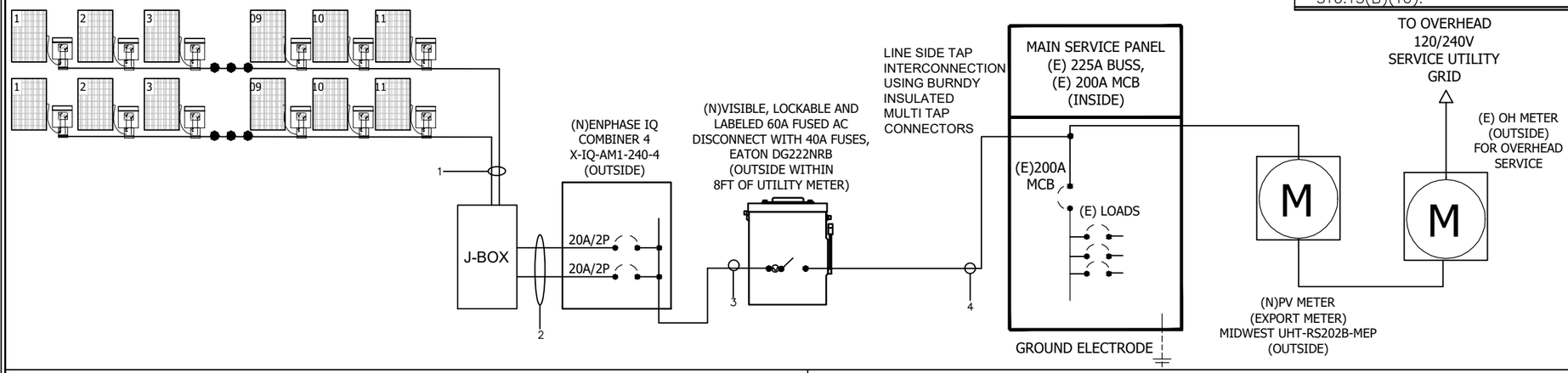
MODULE SPECIFICATIONS	
MODEL	JINKO SOLAR JKM390M-72HBL-V
MODULE POWER @ STC	390W
OPEN CIRCUIT VOLTAGE: VOC	48.6V
MAX POWER VOLTAGE: VMP	39.64V
SHORT CIRCUIT CURRENT: ISC	10.46A
MAX POWER CURRENT: IMP	9.84A

ELECTRICAL NOTES

1. CONDUCTORS EXPOSED TO SUNLIGHT SHALL BE LISTED AS SUNLIGHT RESISTANT PER NEC 310.10(D).
2. CONDUCTORS EXPOSED TO WET LOCATIONS SHALL BE SUITABLE FOR USE IN WET LOCATIONS PER NEC 310.10(C).
3. MAXIMUM DC/AC VOLTAGE DROP SHALL BE NO MORE THAN 2%.
4. ALL CONDUCTORS SHALL BE IN CONDUIT UNLESS OTHERWISE NOTED.
5. BREAKER/FUSE SIZES CONFORMS TO NEC 240.6 CODE SECTION.
6. AC GROUNDING ELECTRODE CONDUCTOR SIZED PER NEC 250.66.
7. AMBIENT TEMPERATURE CORRECTION FACTOR IS BASED ON NEC 690.31(C).
8. AMBIENT TEMPERATURE ADJUSTMENT FACTOR IS BASED ON NEC 310.15(B)(2).
9. MAX. SYSTEM VOLTAGE CORRECTION IS PER NEC 690.7.
10. CONDUCTORS ARE SIZED PER WIRE AMPACITY TABLE NEC 310.15(B)(16).

NOTE: AC DISCONNECT IS PLACED WITHIN 8FT OF THE UTILITY METER

PV ARRAY WITH (22) MICROINVERTERS
(2) STRINGS OF (11) MODULES WITH (11) MICROINVERTERS



CONDUIT SCHEDULE				
TAG ID	CONDUIT SIZE	CONDUCTOR	NEUTRAL	GROUND
1	NONE	(4) #10 AWG THHN/THWN-2	NONE	(2)#6 AWG BARE COPPER
2	(1) 3/4 " EMT	(4) #10 AWG THHN/THWN-2	NONE	(1)#8 AWG BARE COPPER
3	(1) 3/4 " EMT	(2) #10 AWG THHN/THWN-2	(1) #10 AWG	(1)#8 AWG BARE COPPER
4	(1) 3/4 " EMT	(2) #6 AWG THHN/THWN-2	(1) #6 AWG	(1)#6 AWG BARE COPPER

NOTE:
MAIN PANEL RATING: 225A, MAIN BREAKER RATING: 200A
LINE SIDE TAP :100% ALLOWABLE BACKFEED IS = 225A

OCPD CALCULATIONS:
INVERTER OVERCURRENT PROTECTION= INVERTER O/P I X CONTINOUS LOAD (1.25)=
(1.21A x 22 microinverter) = 26.62A
26.62A x 1.25 = 33.275A
TOTAL REQUIRED PV BREAKER SIZE/FUSE SIZE = 40A MIN

ELECTRICAL CALCULATIONS

AC WIRE SIZING CALCULATIONS BASED OF FOLLOWING EQUATIONS:

-REQUIRED CONDUCTORS AMPACITY: INVERTER OUTPUT CURRENT X #OF INVERTERS X MAX CURRENT PER 690.8(A)(3) X 125% PER 690.8(B)(2)(A)

-CORRECTED AMPACITY CALCULATIONS: AMPACITY X TEMPERATURE DERATE FACTOR X CONDUIT FILL DERATE= DERATED CONDUCTOR AMPACITY

-DERATED CONDUCTOR AMPACITY CHECK: MAX CURRENT PER 690.8(B)(2)(2)< DERATED CONDUCTOR AMPACITY.

AC WIRE CALCULATIONS: -MATERIAL: COPPER & TEMPERATURE RATING 90°C

TAG ID	REQUIRED CONDUCTOR AMPACITY	CORRECTED AMPACITY CALCULATION	DERATED CONDUCTOR AMPACITY CHECK
3	26.62A x 1.25 = 33.275A	#10AWG = 40A X 0.87 X 1 = 34.80A	33.275A LESS THAN 34.80A
4	26.62A x 1.25 = 33.275A	#6AWG = 75A X 0.87 X 1 = 65.25A	33.275A LESS THAN 65.25A

DC WIRE CALCULATIONS: -MATERIAL: COPPER & TEMPERATURE RATING 90°C

TAG ID	REQUIRED CONDUCTOR AMPACITY	CORRECTED AMPACITY CALCULATION	DERATED CONDUCTOR AMPACITY CHECK
1,2	N/A	N/A	N/A

SOLENERGY

SINGLE LINE DIAGRAM

THOMAS BARNUM RESIDENCE
7348 NORTH CROSSWAY ROAD,
FOX POINT, WI 53217
414-828-7348

SOLENERGY
PHIL SUTTER
LIC#: DC-042100451 EXP: 2023
7182 HWY 14, #201, MIDDLETON, WI 53562
608-558-3842
jdhirsbrunner@solenergysolar.com

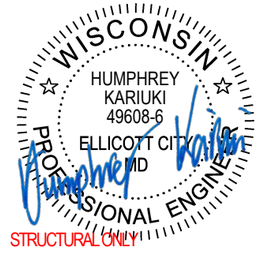
SIGNED: _____ DATE: _____

05/24/2023
DRAWN BY: BPM
APN: 0970178000
LOT: 0.33 ACRES
DWELLING: _____ SQFT

E-1

THE THOMAS BARNUM RESIDENCE
7348 NORTH CROSSWAY ROAD, FOX POINT, WI 53217

6.600 kW (AC) AND 8.580 kW (DC) PHOTOVOLTAIC SYSTEM



SOLENERGY

COVER SHEET

THE THOMAS BARNUM RESIDENCE
7348 NORTH CROSSWAY ROAD,
FOX POINT, WI 53217
414-828-7348

SOLENERGY
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APN: 0970178000

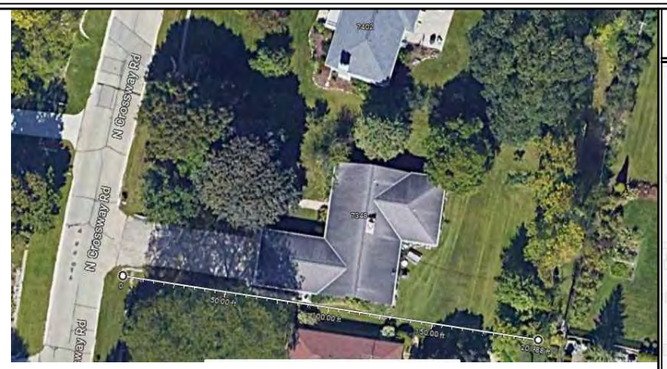
LOT: 0.33 ACRES

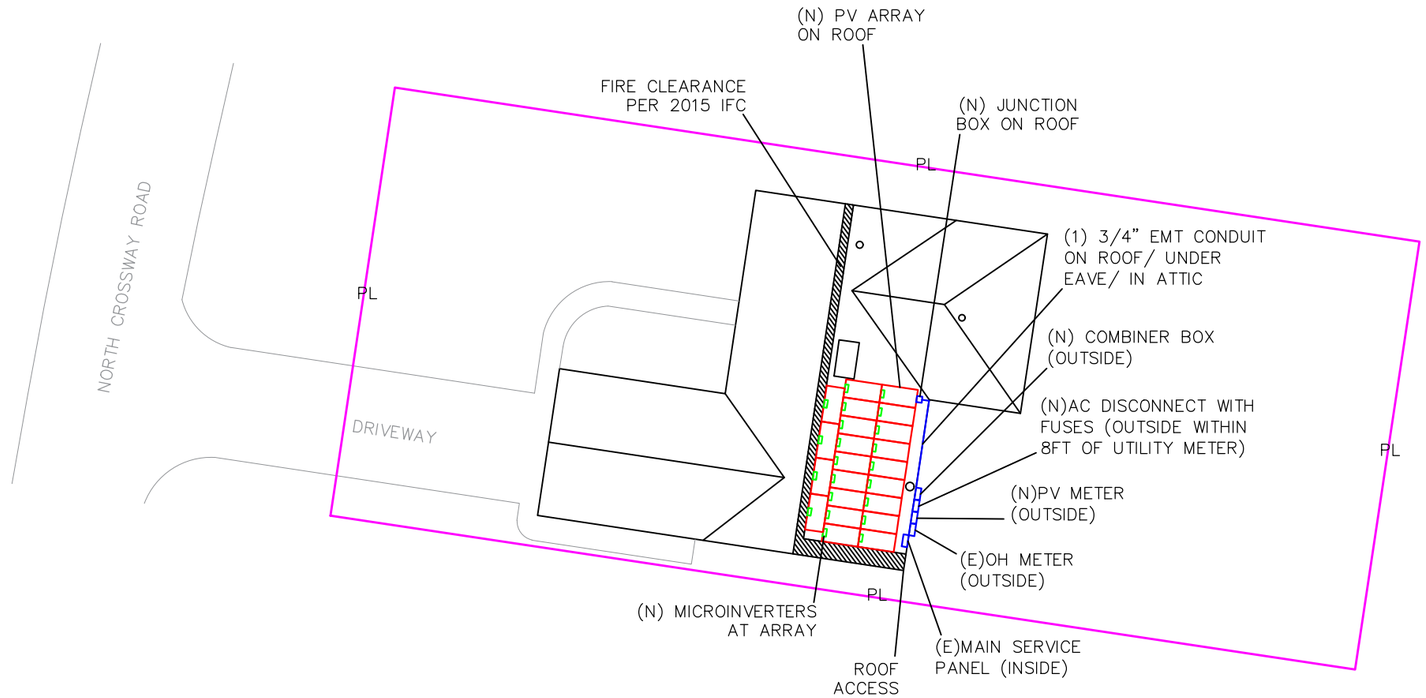
DWELLING: _____ SQFT

C-1

MODULE DIM: 79.06" X 39.45"
MODULE WEIGHT: 49.6 lbs
NUMBER OF STORIES: 02
ROOF FRAMING: 2" X 4"
ROOF TRUSSES: 24" O.C. SPACING
NUMBER OF ROOFS UTILIZED: 01

(02) STRINGS OF (11) MODULES WITH (11) MICROINVERTERS





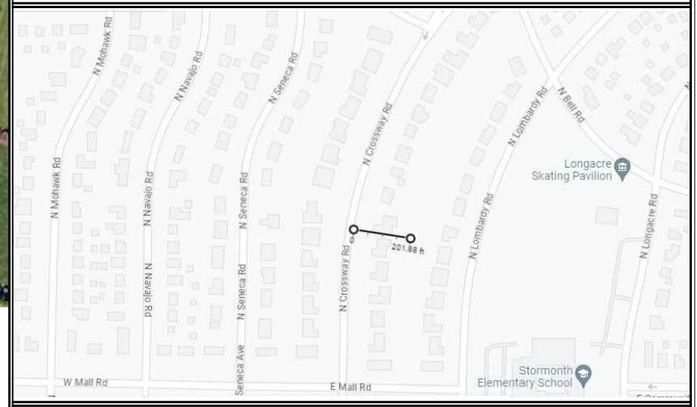
PHOTOVOLTAIC INSTALLATION PLAN

1 SCALE: 1"=30'

WISCONSIN
HUMPHREY KARIUKI 49608-6
ELLICOTT CITY MD
PROFESSIONAL ENGINEER
STRUCTURAL ONLY

N

VICINITY MAP



SCOPE OF WORK

THIS PROJECT CONSISTS ON THE INSTALLATION OF (22) PHOTOVOLTAIC MODULES WITH (22) UTILITY INTERACTIVE MICROINVERTERS AND (1) COMBINER BOX. PV MODULES WILL BE MOUNTED TO AN EXISTING ASPHALT SHINGLE ROOFTOP USING SUNMODO ATTACHMENTS AND SUNMODO RAIL.

THE ATTACHMENT SYSTEM IS SPECIFICALLY DESIGNED TO WITHSTAND 120MPH WIND LOADS AND SEISMIC LOADS ON EXISTING ROOFTOPS. REFER TO CODE COMPLIANT INSTALLATION MANUAL FOR DETAILED INFORMATION AND WATER PROOFING SPECIFICATIONS.

SHEET INDEX

SHEET NO.	INDEX NO.	DESCRIPTION:
01	C-1	COVER SHEET
02	T-1	TITLE SHEET
03	M-1	PHOTOVOLTAIC EQUIPMENT PLAN
04	E-1	SINGLE LINE DIAGRAM
05	D-1	PHOTOVOLTAIC MODULE DATA SHEET
06	D-2	MICROINVERTER DATA SHEET
07	D-3	COMBINER DATA SHEET
08	D-4	AC DISCONNECT DATA SHEET
09	D-5	METER DATA SHEET
10	D-6	ATTACHMENT DATA SHEET
11	D-7	ATTACHMENT DATA SHEET
12	D-8	RAIL DATA SHEET
13	L-1	WARNING PLACARDS

PROJECT JURISDICTION

PREPARED FOR:

CITY OF COUNTY:
ADDRESS:
CITY, STATE,ZIP
PH:

CITY OF FOX POINT
7200 N SANTA MONICA BLVD,
FOX POINT, WI 53217
414-351-8900

CODE COMPLIANCE

ALL WORK SHALL CONFORM TO ALL PERTINENT CODES, REGULATIONS, LAWS, AND ORDINANCES AS REQUIRED BY THE STATE OF WISCONSIN

2017 NATIONAL ELECTRICAL CODE
2015 INTERNATIONAL BUILDING CODE
2015 INTERNATIONAL EXISTING BUILDING CODE
2015 INTERNATIONAL FUEL GAS CODE
2015 INTERNATIONAL MECHANICAL CODE
2015 INTERNATIONAL ENERGY CONSERVATION CODE-RESIDENTIAL
2015 INTERNATIONAL ENERGY CONSERVATION CODE-COMMERCIAL
2015 INTERNATIONAL FIRE CODE

PV SYSTEM SPECIFICATIONS

MODULE	QTY.	INVERTER	QTY.	RACKING	TILT	AZIMUTH	DC POWER RATING (STC)
JINKO SOLAR JKM390M-72HBL-V	22	ENPHASE IQ8+-72-2-US ENPHASE COMBINER 4 X-IQ-AM1-240-4	22 01	SUNMODO NANOMOUNT DECKING ATT. SUNMODO SMR100 168" RAIL	25°	100°	8.580kW

SOLENERGY

TITLE SHEET

THE THOMAS BARNUM RESIDENCE
7348 NORTH CROSSWAY ROAD,
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414-828-7348

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LIC#: DC-042100451 EXP: 2023
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608-558-3842
jdhirsbrunner@solenergysolar.com

SIGNED: _____ DATE: _____

05/24/2023
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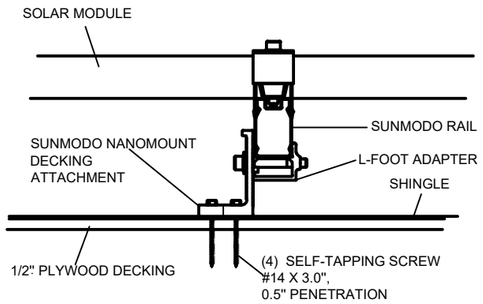
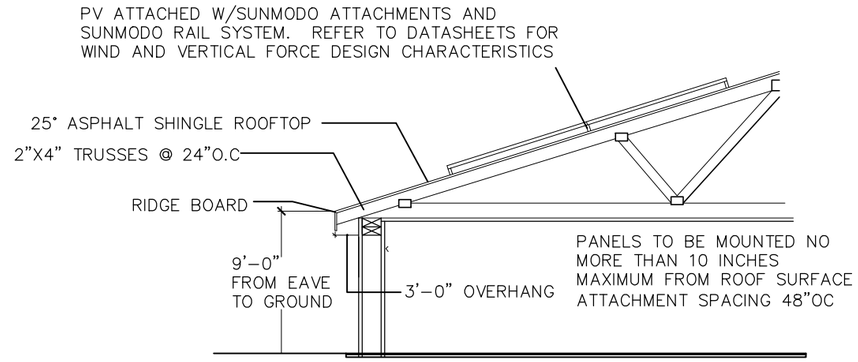
APN: 0970178000
LOT: 0.33 ACRES
DWELLING: _____ SQFT

T-1



CONNECTION DETAIL

N.T.S.



SECTION PLAN

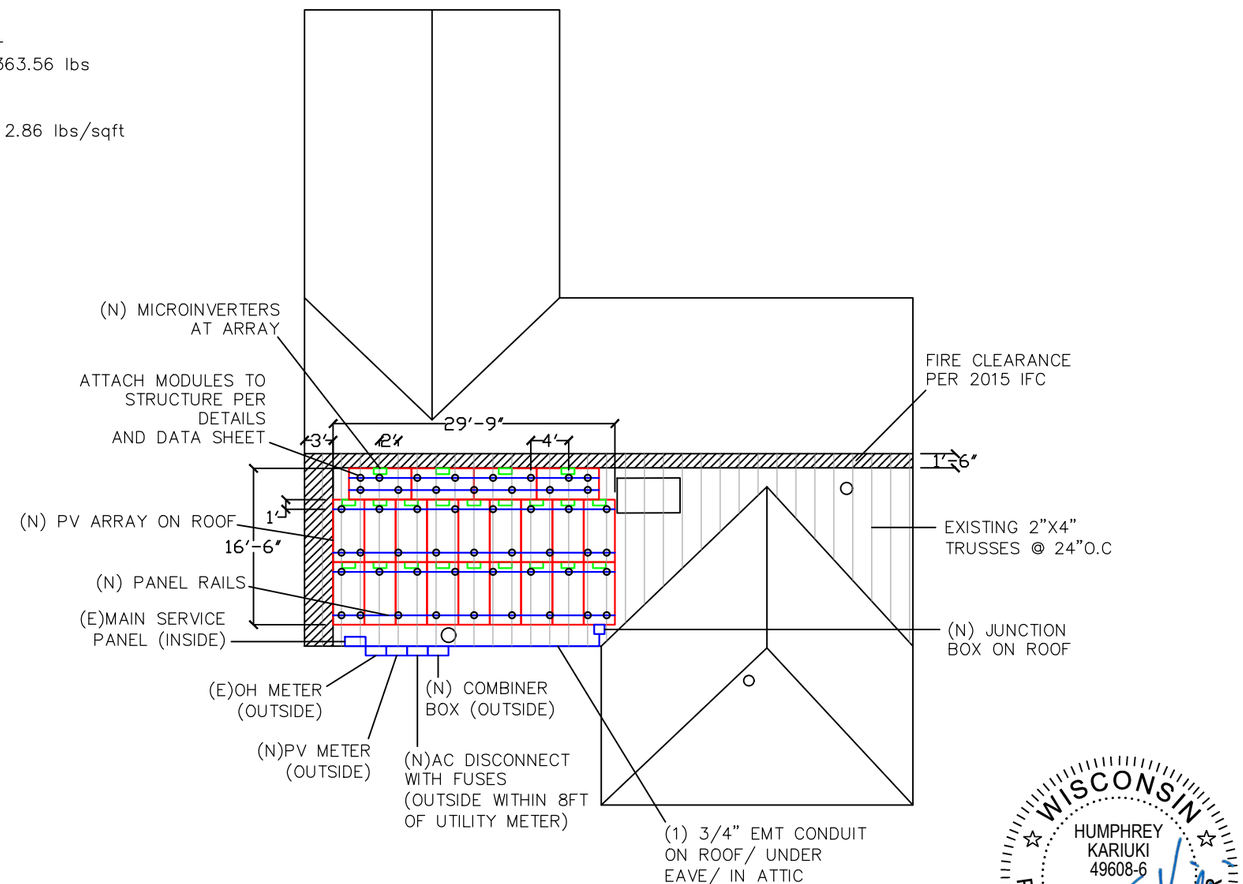
N.T.S.

AERIAL VIEW

ROOF LOAD CALCULATION

ROOF: 22 PANELS
PV AREA SINGLE MODULE: 21.66 SQ. FT.
PV AREA TOTAL: 476.52 SQ. FT.
PV PANEL WEIGHT = 49.60 lbs
MOUNTING HARDWARE WEIGHT = 10 lbs/panel
ENTIRE WEIGHT ON ROOF:
(49.60 lbs, panels)x(22)+
(2.38 lb microinverters)x(22)+
(10 lbs, structure)x(22) = 1,363.56 lbs
[1091.2+52.36+220]

1,363.56 lbs/476.52 sq.ft. = 2.86 lbs/sqft

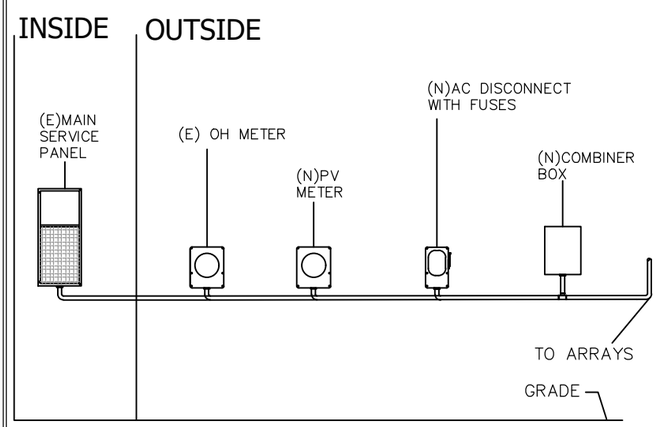


1 PV LAYOUT PLAN

SCALE: 1/16" = 1'-0"

CLASS 1 – DIVISION 1
METALLIC CONDUIT W/NO JOINTS

(N) JUNCTION BOX ON ROOF



MAIN SERVICE ELEVATION

GENERAL NOTES:

1. CONDUIT RUNS ARE DIAGRAMMATIC, SUBJECT TO FIELD CONDITIONS AND INSTALLATION CONTRACTOR'S FINAL LOCATIONS THAT MEET NEC REQUIREMENTS.
2. ALL EQUIPMENT INSTALLED SHALL BE IN ACCORDANCE WITH ALL LOCAL BUILDING AND ELECTRICAL CODES.
3. THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR READING AND UNDERSTANDING THE SECTION OF THE INVERTERS OPERATION AND MAINTENANCE MANUAL THAT PERTAINS TO THE SAFETY AND PROPER INSTALLATION.
4. THE SYSTEM SHALL NOT BE INTERCONNECTED UNTIL APPROVAL FROM LOCAL JURISDICTION AND THE UTILITY IS OBTAINED.
5. ALL CONDUCTORS TO BE COPPER UNLESS SPECIFIED OTHERWISE.
6. THE SOLAR PHOTOVOLTAIC INSTALLATION WILL NOT OBSTRUCT ANY PLUMBING, MECHANICAL OR BUILDING ROOF VENTS.
7. LIQUID TIGHT FLEXIBLE CONDUIT SHALL BE SUNLIGHT RESISTANT.
8. THIS IS A UTILITY INTERACTIVE SYSTEM WITH NO STORAGE BATTERIES

WISCONSIN
HUMPHREY KARIUKI
49608-6
ELLICOTT CITY, MD
PROFESSIONAL ENGINEER
STRUCTURAL ONLY

SOLENERGY

PV EQUIPMENT PLAN

THE THOMAS BARNUM RESIDENCE
7348 NORTH CROSSWAY ROAD,
FOX POINT, WI 53217
414-828-7348

SOLENERGY
PHIL SUTTER
LIC#: DC-042100451 EXP: 2023
7182 HWY 14, #201, MIDDLETON, WI 53562
608-558-3842
jdhirsbrunner@solenergysolar.com

SIGNED: _____ DATE: _____

05/24/2023

DRAWN BY: BPM

APN: 0970178000

LOT: 0.33 ACRES

DWELLING: _____ SQFT

M-1

SINGLE LINE DIAGRAM: DC SYSTEM SIZE-8,580W, AC SYSTEM SIZE-6,600W

MICROINVERTER SPECIFICATIONS	
MODEL	ENPHASE IQ8+-72-2-US
MAX CONTINUOUS OUTPUT POWER	300W
MAX OUTPUT CURRENT	1.21A
CEC WEIGHTED EFFICIENCY	97.6%
MAX DC VOLTAGE	120V
MAX DC POWER	440W

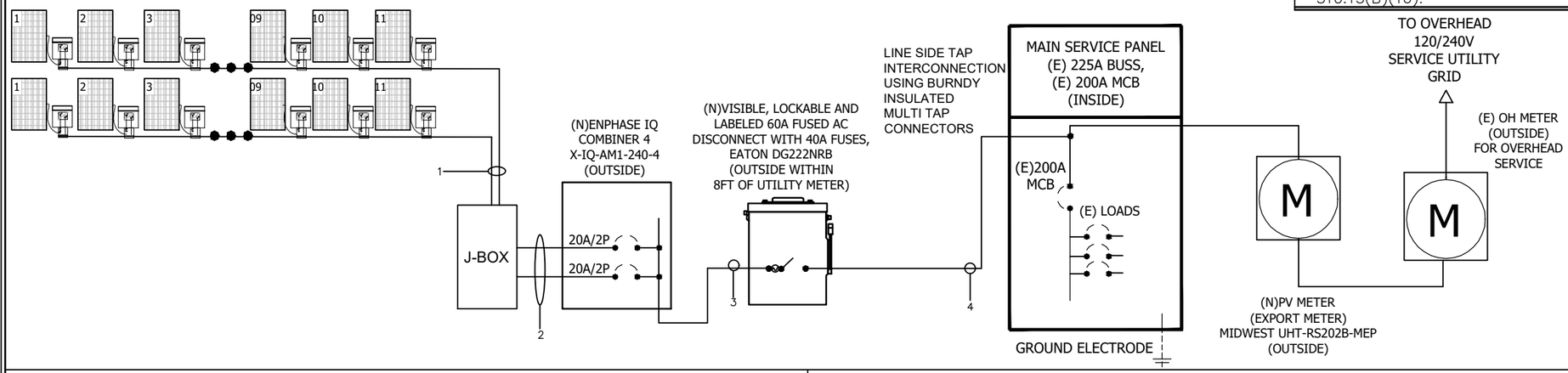
MODULE SPECIFICATIONS	
MODEL	JINKO SOLAR JKM390M-72HBL-V
MODULE POWER @ STC	390W
OPEN CIRCUIT VOLTAGE: VOC	48.6V
MAX POWER VOLTAGE: VMP	39.64V
SHORT CIRCUIT CURRENT: ISC	10.46A
MAX POWER CURRENT: IMP	9.84A

ELECTRICAL NOTES

1. CONDUCTORS EXPOSED TO SUNLIGHT SHALL BE LISTED AS SUNLIGHT RESISTANT PER NEC 310.10(D).
2. CONDUCTORS EXPOSED TO WET LOCATIONS SHALL BE SUITABLE FOR USE IN WET LOCATIONS PER NEC 310.10(C).
3. MAXIMUM DC/AC VOLTAGE DROP SHALL BE NO MORE THAN 2%.
4. ALL CONDUCTORS SHALL BE IN CONDUIT UNLESS OTHERWISE NOTED.
5. BREAKER/FUSE SIZES CONFORMS TO NEC 240.6 CODE SECTION.
6. AC GROUNDING ELECTRODE CONDUCTOR SIZED PER NEC 250.66.
7. AMBIENT TEMPERATURE CORRECTION FACTOR IS BASED ON NEC 690.31(C).
8. AMBIENT TEMPERATURE ADJUSTMENT FACTOR IS BASED ON NEC 310.15(B)(2).
9. MAX. SYSTEM VOLTAGE CORRECTION IS PER NEC 690.7.
10. CONDUCTORS ARE SIZED PER WIRE AMPACITY TABLE NEC 310.15(B)(16).

NOTE: AC DISCONNECT IS PLACED WITHIN 8FT OF THE UTILITY METER

PV ARRAY WITH (22) MICROINVERTERS
(2) STRINGS OF (11) MODULES WITH (11) MICROINVERTERS



CONDUIT SCHEDULE				
TAG ID	CONDUIT SIZE	CONDUCTOR	NEUTRAL	GROUND
1	NONE	(4) #10 AWG THHN/THWN-2	NONE	(2)#6 AWG BARE COPPER
2	(1) 3/4 " EMT	(4) #10 AWG THHN/THWN-2	NONE	(1)#8 AWG BARE COPPER
3	(1) 3/4 " EMT	(2) #10 AWG THHN/THWN-2	(1) #10 AWG	(1)#8 AWG BARE COPPER
4	(1) 3/4 " EMT	(2) #6 AWG THHN/THWN-2	(1) #6 AWG	(1)#6 AWG BARE COPPER

NOTE:
MAIN PANEL RATING: 225A, MAIN BREAKER RATING: 200A
LINE SIDE TAP :100% ALLOWABLE BACKFEED IS = 225A

OCPD CALCULATIONS:
INVERTER OVERCURRENT PROTECTION= INVERTER O/P I X CONTINOUS LOAD (1.25)=
(1.21A x 22 microinverter) = 26.62A
26.62A x 1.25 = 33.275A
TOTAL REQUIRED PV BREAKER SIZE/FUSE SIZE = 40A MIN

ELECTRICAL CALCULATIONS

AC WIRE SIZING CALCULATIONS BASED OF FOLLOWING EQUATIONS:

-REQUIRED CONDUCTORS AMPACITY: INVERTER OUTPUT CURRENT X #OF INVERTERS X MAX CURRENT PER 690.8(A)(3) X 125% PER 690.8(B)(2)(A)

-CORRECTED AMPACITY CALCULATIONS: AMPACITY X TEMPERATURE DERATE FACTOR X CONDUIT FILL DERATE= DERATED CONDUCTOR AMPACITY

-DERATED CONDUCTOR AMPACITY CHECK: MAX CURRENT PER 690.8(B)(2)(2)< DERATED CONDUCTOR AMPACITY.

AC WIRE CALCULATIONS: -MATERIAL: COPPER & TEMPERATURE RATING 90°C

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4	26.62A x 1.25 = 33.275A	#6AWG = 75A X 0.87 X 1 = 65.25A	33.275A LESS THAN 65.25A

DC WIRE CALCULATIONS: -MATERIAL: COPPER & TEMPERATURE RATING 90°C

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1,2	N/A	N/A	N/A

SOLENERGY

SINGLE LINE DIAGRAM

THOMAS BARNUM RESIDENCE
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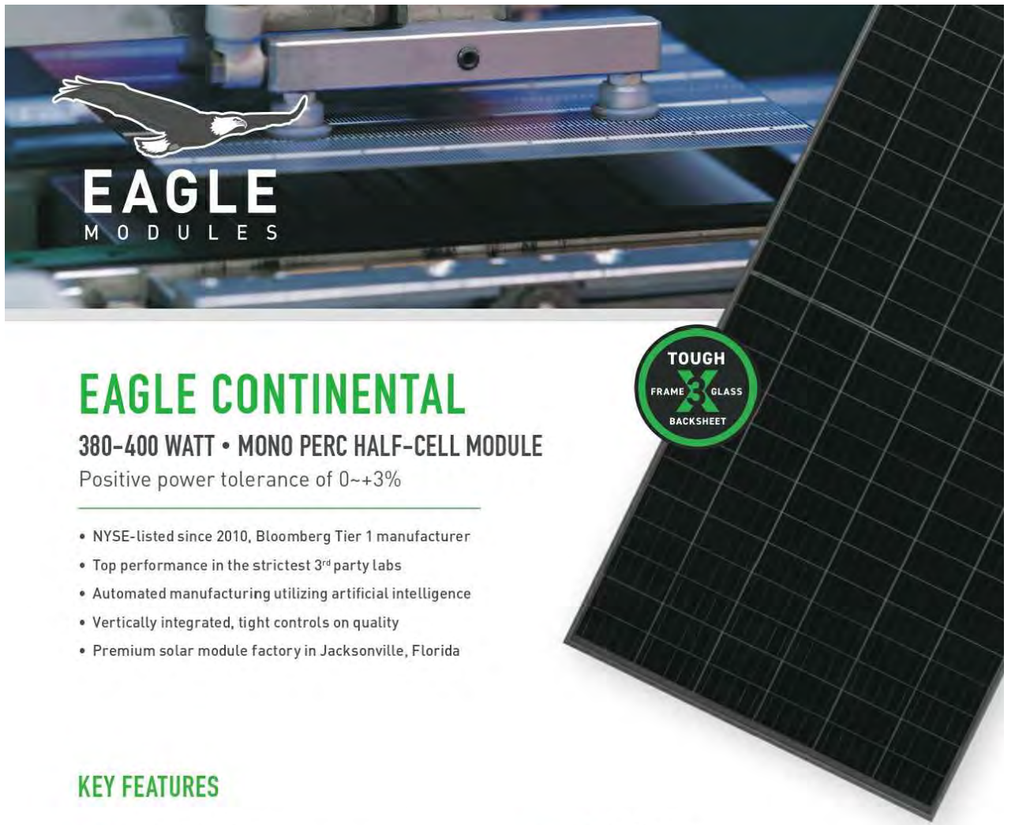
E-1



EAGLE CONTINENTAL

380-400 WATT • MONO PERC HALF-CELL MODULE

Positive power tolerance of 0~+3%

- NYSE-listed since 2010, Bloomberg Tier 1 manufacturer
- Top performance in the strictest 3rd party labs
- Automated manufacturing utilizing artificial intelligence
- Vertically integrated, tight controls on quality
- Premium solar module factory in Jacksonville, Florida

KEY FEATURES

Superior Aesthetics
Black backsheet and black frame create ideal look for residential applications.

Diamond Half-Cell Technology
World-record breaking efficient mono PERC half-cells deliver high power in a small footprint.

Thick and Tough
Fire Type 1 rated module engineered with a thick frame, 3.2mm front side glass, and thick backsheet for added durability.

Shade Tolerant
Twin array design allows continued performance even with shading by trees or debris.

Protected Against All Environments
Certified to withstand humidity, heat, rain, marine environments, wind, hailstorms, and packed snow.

Warranty
12-year product and 25-year linear power warranty.

ASSEMBLED IN THE USA
From foreign components

- ISO9001:2008 Quality Standards
- ISO14001:2004 Environmental Standards
- IEC61215, IEC61730 certification pending
- ISO 45001 2018 Occupational Health & Safety Standards
- UL1703/61730 certification pending

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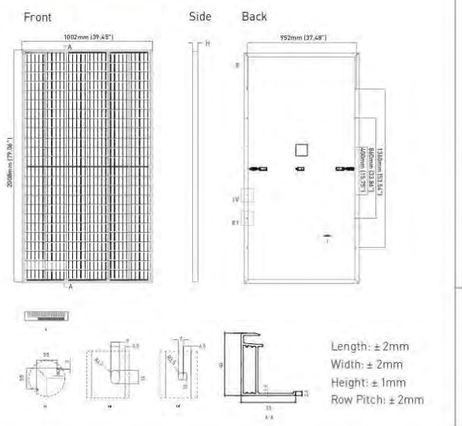
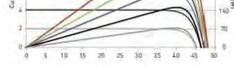
ENGINEERING DRAWINGS



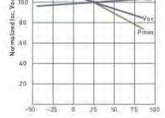
Length: ± 2mm
Width: ± 2mm
Height: ± 1mm
Row Pitch: ± 2mm

ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE

Current-Voltage & Power-Voltage Curves (400W)



Temperature Dependence of Isc, Voc, Pmax



MECHANICAL CHARACTERISTICS

Cells	Mono PERC Diamond Cell (158.75 x 158.75mm)
No. of Half Cells	144 (6 x 24)
Dimensions	2008 x 1002 x 40mm (79.06 x 39.45 x 1.57in)
Weight	22.5kg (49.6lbs)
Front Glass	3.2mm, Anti-Reflection Coating High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Output Cables	12 AWG, 1400mm (55.12in)
Connector	Staubli MC4 Series
Fire Type	Type 1
Pressure Rating	5400Pa (Snow) & 2400Pa (Wind)
Hailstone Test	50mm Hailstones at 35m/s

TEMPERATURE CHARACTERISTICS

Temperature Coefficients of Pmax	-0.35%/°C
Temperature Coefficients of Voc	-0.29%/°C
Temperature Coefficients of Isc	0.048%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C

MAXIMUM RATINGS

Operating Temperature (°C)	-40°C~+85°C
Maximum System Voltage	1500VDC (UL and IEC)
Maximum Series Fuse Rating	20A

PACKAGING CONFIGURATION

(Two pallets = One stack)
27pcs/pallet, 54pcs/stack, 594pcs/40'HQ Container

WARRANTY

12-year product and 25-year linear power warranty

1st year degradation not to exceed 2.5%, each subsequent year not to exceed 0.6%, minimum power at year 25 is 83.1% or greater.

ELECTRICAL CHARACTERISTICS

Module Type	JKM380M-72HBL-V		JKM385M-72HBL-V		JKM390M-72HBL-V		JKM395M-72HBL-V		JKM400M-72HBL-V	
	STC	NOCT	STC	NOCT	SCT	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	380Wp	279Wp	385Wp	283Wp	390Wp	287Wp	395Wp	291Wp	400Wp	294Wp
Maximum Power Voltage (Vmp)	39.10V	36.5V	39.37V	36.8V	39.64V	37.0V	39.90V	37.4V	40.16V	37.6V
Maximum Power Current (Imp)	9.72A	7.67A	9.78A	7.71A	9.84A	7.75A	9.90A	7.77A	9.96A	7.82A
Open-circuit Voltage (Voc)	48.2V	45.4V	48.4V	45.6V	48.6V	45.8V	48.8V	46.0V	49.1V	46.2V
Short-circuit Current (Isc)	10.30A	8.32A	10.38A	8.38A	10.46A	8.45A	10.54A	8.51A	10.61A	8.57A
Module Efficiency STC (%)	18.89%		19.14%		19.38%		19.63%		19.88%	

***STC:** Irradiance 1000W/m² | Cell Temperature 25°C | AM = 1.5
NOCT: Irradiance 800W/m² | Ambient Temperature 20°C | AM = 1.5 | Wind Speed 1m/s

*Power measurement tolerance: ±3%

The company reserves the final right for explanation on any of the information presented hereby. JKM380-400M-72HBL-V-D1-US

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1 MODULE DATA SHEET
SCALE: N.T.S.

SOLENERGY

MODULE DATA SHEET

THE THOMAS BARNUM RESIDENCE
7348 NORTH CROSSWAY ROAD,
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DWELLING: _____ SQFT

D-1

ENPHASE.

DATA SHEET

IQ8 Series Microinverters

Our newest IQ8 Microinverters are the industry's first microgrid-forming, software-defined microinverters with split-phase power conversion capability to convert DC power to AC power efficiently. The brain of the semiconductor-based microinverter is our proprietary application-specific integrated circuit (ASIC) which enables the microinverter to operate in grid-tied or off-grid modes. This chip is built in advanced 55nm technology with high speed digital logic and has super-fast response times to changing loads and grid events, alleviating constraints on battery sizing for home energy systems.

Part of the Enphase Energy System, IQ8 Series Microinverters integrate with the Enphase IQ Battery, Enphase IQ Gateway, and the Enphase App monitoring and analysis software.

Enphase 25 year limited warranty

IQ8 Series Microinverters redefine reliability standards with more than one million cumulative hours of power-on testing, enabling an industry-leading limited warranty of up to 25 years.

Connect PV modules quickly and easily to IQ8 Series Microinverters using the included Q-DCC-2 adapter cable with plug-n-play MC4 connectors.

UL CERTIFIED SAFETY

IQ8 Series Microinverters are UL Listed as PV Rapid Shut Down Equipment and conform with various regulations, when installed according to manufacturer's instructions.

Easy to install

- Lightweight and compact with plug-n-play connectors
- Power Line Communication (PLC) between components
- Faster installation with simple two-wire cabling

High productivity and reliability

- Produce power even when the grid is down*
- More than one million cumulative hours of testing
- Class II double-insulated enclosure
- Optimized for the latest high-powered PV modules

Microgrid-forming

- Complies with the latest advanced grid support**
- Remote automatic updates for the latest grid requirements
- Configurable to support a wide range of grid profiles
- Meets CA Rule 21 (UL 1741-SA) requirements

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IQ8SE-DS-0001-01-EN-US-2022-03-17

* Only when installed with IQ System Controller 2, meets UL 1741. IQ8H-208V operates only in grid-tied mode.
** IQ8 Series Microinverters supports split phase, 240V. IQ8H-208 supports split phase, 208V only.

IQ8 Series Microinverters

INPUT DATA (DC)		IQ8-60-2-US	IQ8PLUS-72-2-US	IQ8M-72-2-US	IQ8A-72-2-US	IQ8H-240-72-2-US	IQ8H-208-72-2-US[1]
Commonly used module pairings[2]	W	235 – 350	235 – 440	260 – 460	295 – 500	320 – 540+	295 – 500+
Module compatibility		60-cell/120 half-cell	60-cell/120 half-cell, 66-cell/132 half-cell and 72-cell/144 half-cell				
MPPT voltage range	V	27 – 37	29 – 45	33 – 45	36 – 45	38 – 45	38 – 45
Operating range	V	25 – 48			25 – 58		
Min/max start voltage	V	30 / 48			30 / 58		
Max input DC voltage	V	50			60		
Max DC current[3] [module Isc]	A	15					
Overvoltage class DC port		II					
DC port backfeed current	mA	0					
PV array configuration		1x1 Ungrounded array; No additional DC side protection required; AC side protection requires max 20A per branch circuit					

OUTPUT DATA (AC)		IQ8-60-2-US	IQ8PLUS-72-2-US	IQ8M-72-2-US	IQ8A-72-2-US	IQ8H-240-72-2-US	IQ8H-208-72-2-US[1]
Peak output power	VA	245	300	330	366	384	366
Max continuous output power	VA	240	290	325	349	380	360
Nominal (L-L) voltage/range[4]	V			240 / 211 – 264			208 / 183 – 250
Max continuous output current	A	1.0	1.21	1.35	1.45	1.58	1.73
Nominal frequency	Hz	60					
Extended frequency range	Hz	50 – 68					
AC short circuit fault current over 3 cycles	Arms	2					4.4
Max units per 20 A (L-L) branch circuit[5]		16	13	11	11	10	9
Total harmonic distortion		<5%					
Overvoltage class AC port		III					
AC port backfeed current	mA	30					
Power factor setting		1.0					
Grid-tied power factor (adjustable)		0.85 leading – 0.85 lagging					
Peak efficiency	%	97.5	97.6	97.6	97.6	97.6	97.4
CEC weighted efficiency	%	97	97	97	97.5	97	97
Night-time power consumption	mW	60					

MECHANICAL DATA	
Ambient temperature range	-40°C to +60°C (-40°F to +140°F)
Relative humidity range	4% to 100% (condensing)
DC Connector type	MC4
Dimensions (HxWxD)	212 mm (8.3") x 175 mm (6.9") x 30.2 mm (1.2")
Weight	1.08 kg (2.38 lbs)
Cooling	Natural convection – no fans
Approved for wet locations	Yes
Pollution degree	PD3
Enclosure	Class II double-insulated, corrosion resistant polymeric enclosure
Environ. category / UV exposure rating	NEMA Type 6 / outdoor

COMPLIANCE	
Certifications	CA Rule 21 (UL 1741-SA), UL 62109-1, UL1741/IEEE1547, FCC Part 15 Class B, ICES-0003 Class B, CAN/CSA-C22.2 NO. 107.1-01 This product is UL Listed as PV Rapid Shut Down Equipment and conforms with NEC 2014, NEC 2017, and NEC 2020 section 690.12 and C22.1-2018 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to manufacturer's instructions.

(1) The IQ8H-208 variant will be operating in grid-tied mode only at 208V AC. (2) No enforced DC/AC ratio. See the compatibility calculator at https://link.enphase.com/module-compatibility (3) Maximum continuous input DC current is 10.6A (4) Nominal voltage range can be extended beyond nominal if required by the utility. (5) Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.

IQ8SE-DS-0001-01-EN-US-2022-03-17

1 MICROINVERTER DATA SHEET
SCALE: N.T.S.

SOLENERGY

MICROINVERTER DATA SHEET

THE THOMAS BARNUM RESIDENCE
7348 NORTH CROSSWAY ROAD,
FOX POINT, WI 53217
414-828-7348

SOLENERGY
PHIL SUTTER
LIC#: DC-042100451 EXP: 2023
7182 HWY 14, #201, MIDDLETON, WI 53562
608-558-3842
jdhirsbrunner@solenergysolar.com

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05/24/2023
DRAWN BY: BPM
APN: 0970178000
LOT: 0.33 ACRES
DWELLING: _____ SQFT

D-2

Data Sheet
Enphase Networking

Enphase IQ Combiner 4/4C

X-IQ-AM1-240-4
X-IQ-AM1-240-4C

X-IQ-AM1-240-4C

X-IQ-AM1-240-4

The **Enphase IQ Combiner 4/4C** with Enphase IQ Gateway and integrated LTE-M1 cell modem (included only with IQ Combiner 4C) consolidates interconnection equipment into a single enclosure and streamlines IQ microinverters and storage installations by providing a consistent, pre-wired solution for residential applications. It offers up to four 2-pole input circuits and Eaton BR series busbar assembly.

Smart

- Includes IQ Gateway for communication and control
- Includes Enphase Mobile Connect cellular modem (CELLMODEM-M1-06-SP-05), included only with IQ Combiner 4C
- Includes solar shield to match Enphase IQ Battery aesthetics and deflect heat
- Flexible networking supports Wi-Fi, Ethernet, or cellular
- Optional AC receptacle available for PLC bridge
- Provides production metering and consumption monitoring

Simple

- Centered mounting brackets support single stud mounting
- Supports bottom, back and side conduit entry
- Up to four 2-pole branch circuits for 240 VAC plug-in breakers (not included)
- 80A total PV or storage branch circuits

Reliable

- Durable NRTL-certified NEMA type 3R enclosure
- Five-year limited warranty
- Two years labor reimbursement program coverage included for both the IQ Combiner SKU's
- UL listed

LISTED

To learn more about Enphase offerings, visit **enphase.com**

ENPHASE.

Enphase IQ Combiner 4/4C

MODEL NUMBER	
IQ Combiner 4 (X-IQ-AM1-240-4)	IQ Combiner 4 with Enphase IQ Gateway printed circuit board for integrated revenue grade PV production metering (ANSI C12.20 +/- 0.5%) and consumption monitoring (+/- 2.5%). Includes a silver solar shield to match the IQ Battery system and IQ System Controller 2 and to deflect heat.
IQ Combiner 4C (X-IQ-AM1-240-4C)	IQ Combiner 4C with Enphase IQ Gateway printed circuit board for integrated revenue grade PV production metering (ANSI C12.20 +/- 0.5%) and consumption monitoring (+/- 2.5%). Includes Enphase Mobile Connect cellular modem (CELLMODEM-M1-06-SP-05), a plug-and-play industrial-grade cell modem for systems up to 60 microinverters. (Available in the US, Canada, Mexico, Puerto Rico, and the US Virgin Islands, where there is adequate cellular service in the installation area.) Includes a silver solar shield to match the IQ Battery and IQ System Controller and to deflect heat.
ACCESSORIES AND REPLACEMENT PARTS	(not included, order separately)
Ensemble Communications Kit COMMS-CELLMODEM-M1-06 CELLMODEM-M1-06-SP-05 CELLMODEM-M1-06-AT-05	Includes COMMS-KIT-01 and CELLMODEM-M1-06-SP-05 with 5-year Sprint data plan for Ensemble sites 4G based LTE-M1 cellular modem with 5-year Sprint data plan 4G based LTE-M1 cellular modem with 5-year AT&T data plan
Circuit Breakers BRK-10A-2-240V BRK-15A-2-240V BRK-20A-2P-240V BRK-15A-2P-240V-B BRK-20A-2P-240V-B	Supports Eaton BR210, BR215, BR220, BR230, BR240, BR250, and BR260 circuit breakers. Circuit breaker, 2 pole, 10A, Eaton BR210 Circuit breaker, 2 pole, 15A, Eaton BR215 Circuit breaker, 2 pole, 20A, Eaton BR220 Circuit breaker, 2 pole, 15A, Eaton BR2158 with hold down kit support Circuit breaker, 2 pole, 20A, Eaton BR2208 with hold down kit support
EPLC-01	Power line carrier (communication bridge pair), quantity - one pair
XA-SOLARSHIELD-ES	Replacement solar shield for IQ Combiner 4/4C
XA-PLUG-120-3	Accessory receptacle for Power Line Carrier in IQ Combiner 4/4C (required for EPLC-01)
XA-ENV-PCBA-3	Replacement IQ Gateway printed circuit board (PCB) for Combiner 4/4C
X-IQ-NA-HD-125A	Hold down kit for Eaton circuit breaker with screws.
ELECTRICAL SPECIFICATIONS	
Rating	Continuous duty
System voltage	120/240 VAC, 60 Hz
Eaton BR series busbar rating	125 A
Max. continuous current rating	65 A
Max. continuous current rating (input from PV/storage)	64 A
Max. fuse/circuit rating (output)	90 A
Branch circuits (solar and/or storage)	Up to four 2-pole Eaton BR series Distributed Generation (DG) breakers only (not included)
Max. total branch circuit breaker rating (input)	80A of distributed generation / 95A with IQ Gateway breaker included
Envoy breaker	10A or 15A rating GE/Siemens/Eaton included
Production metering CT	200 A solid core pre-installed and wired to IQ Gateway
Consumption monitoring CT (CT-200-SPLIT)	A pair of 200 A split core current transformers
MECHANICAL DATA	
Dimensions (WxHxD)	37.5 x 49.5 x 16.8 cm (14.75" x 19.5" x 6.63"). Height is 21.06" (53.5 cm) with mounting brackets.
Weight	7.5 kg (16.5 lbs)
Ambient temperature range	-40° C to +46° C (-40° to 115° F)
Cooling	Natural convection, plus heat shield
Enclosure environmental rating	Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction
Wire sizes	20 A to 50 A breaker inputs: 14 to 4 AWG copper conductors 60 A breaker branch input: 4 to 1/0 AWG copper conductors Main lug combined output: 10 to 2/0 AWG copper conductors Neutral and ground: 14 to 1/0 copper conductors Always follow local code requirements for conductor sizing.
Altitude	To 2000 meters (6,560 feet)
INTERNET CONNECTION OPTIONS	
Integrated Wi-Fi	802.11b/g/n
Cellular	CELLMODEM-M1-06-SP-05, CELLMODEM-M1-06-AT-05 (4G based LTE-M1 cellular modem). Note that an Enphase Mobile Connect cellular modem is required for all Ensemble installations.
Ethernet	Optional, 802.3, Cat5E (or Cat 6) UTP Ethernet cable (not included)
COMPLIANCE	
Compliance, IQ Combiner	UL 1741, CAN/CSA C22.2 No. 107.1, 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI C12.20 accuracy class 0.5 (PV production) Consumption metering: accuracy class 2.5
Compliance, IQ Gateway	UL 60601-1/CANCSA 22.2 No. 61010-1

To learn more about Enphase offerings, visit **enphase.com**

ENPHASE.

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COMBINER BOX DATA SHEET

THE THOMAS BARNUM RESIDENCE
7348 NORTH CROSSWAY ROAD,
FOX POINT, WI 53217
414-828-7348

SOLENERGY
PHIL SUTTER
LIC#: DC-042100451 EXP: 2023
7182 HWY 14, #201, MIDDLETON, WI 53562
608-558-3842
jdhirsbrunner@solenergysolar.com

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APN: 0970178000
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D-3

07

1 COMBINER BOX DATA SHEET
SCALE: N.T.S.

Powering Business Worldwide

pe.eaton.com

General Duty Cartridge Fuse Safety Switch

DG222NRB

UPC:782113144221

Dimensions:
- **Height:** 7 IN
- **Length:** 6.41 IN
- **Width:** 8.4 IN

Weight:9 LB

Notes: Maximum hp ratings apply only when dual element fuses are used. 3-Phase hp rating shown is a grounded B phase rating, UL listed.

Warranties:
- Eaton Selling Policy 25-000, one (1) year from the date of installation of the Product or eighteen (18) months from the date of shipment of the Product, whichever occurs first.

Specifications:
- **Type:** General Duty/Cartridge Fuse
- **Amperage Rating:** 60A
- **Enclosure:** NEMA 3R
- **Enclosure Material:** Painted galvanized steel
- **Fuse Class Provision:** Class H fuses
- **Fuse Configuration:** Fusible with neutral
- **Number Of Poles:** Two-pole
- **Number Of Wires:** Three-wire
- **Product Category:** General Duty Safety Switch
- **Voltage Rating:** 240V

Supporting documents:
- Eatons Volume 2-Commercial Distribution
- Drawing Dataset
- Eaton Specification Sheet - DG222NRB

Certifications:
- UL Listed

1 AC DISCONNECT DATA SHEET
SCALE: N.T.S.

SOLENERGY

AC DISCONNECT DATA SHEET

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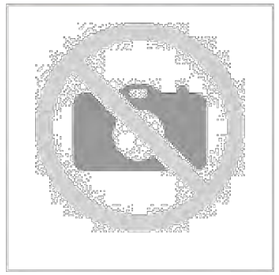

Catalog No. UHTRS202BMEP

Description: RESIDENTIAL 200 AMP OH

UPC No 784567721751

Home > Single Socket Metering > Single Socket Metering

METER SKT – (1) 200A 600V 1P3W N3R G90 4-TERM SMALL HUB OPNG HORN BYP TRIPLEX GRD TOP/BOTTOM FEED

Descriptors

Category	Single Socket Metering

Specifications

Phase	1
Voltage	600
Amps	200
Hub Type	Small Hub Opening
# of Terminals	4
Lever Bypass	No
Horned Bypass	Yes
Socket Type	Ringless
Enclosure Type	N3R
Metal Type	G90 Steel
Overhead/ Underground Line Feed	Top/Bottom
Wire Range (Cu/Al)	#8-250MCM
Triplex Ground	Yes

Publications

Title	Publication No.	Publication Type
Outline Drawing for Part # UHTRS202BMEP TOM FEED	UHTRS202BMEP	Drawings-Outline and Dimensional

Additional Documentation: Visit our Publication Library to find technical documentation, time current curves, CSI Specifications and promotional literature.

1 METER DATA SHEET
SCALE: N.T.S.

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METER DATA SHEET

THE THOMAS BARNUM RESIDENCE
7348 NORTH CROSSWAY ROAD,
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414-828-7348

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D-5

09

SUNMODO
LEADING by DESIGN

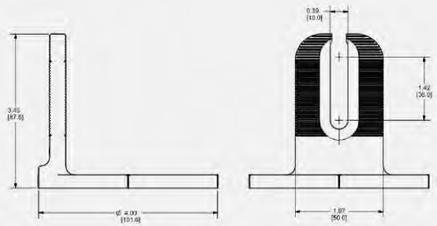
NanoMount

Part Number	Description
K50058-BK1	NanoMount • NanoMount • USWR Gasket

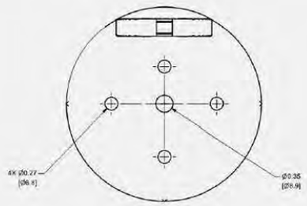
See Published data for allowable loads. Care should be taken to avoid concentrated loads during installation.

Cut Sheet

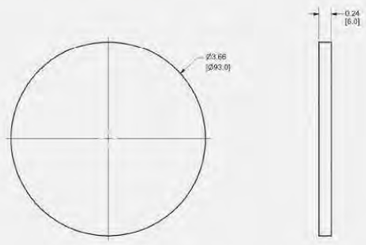
NanoMount



Material: Aluminum
Finish: Black Powder Coating



NanoMount Gasket



Material: USWR Gasket with Adhesive

D10214-V004
Dimensions shown are inches (and millimeters) Details are subject to change without notice

SUNMODO
LEADING by DESIGN

NanoMount Lag Bolt

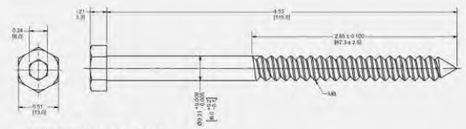
NanoMount Decking Screw

Part Number	Description
K50049-BK1	Lag Bolt Assembly • Hex Lag Bolt M8X115, DIN 571, 304S • Sealing Washer .33 ID X .75 X .157
K50055-BK1	Decking Screw Assembly • Self-Tapping Screw, #14 X 3.00 • Sealing Washer .26ID X .50X .125

Cut Sheet

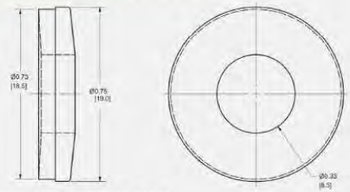
Lag Bolt Assembly

1. Hex Lag Bolt M8X115, DIN 571, 304



Material: Stainless Steel
Finish: Clear

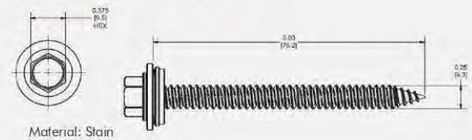
2 Sealing Washer .33ID X.75X.157



Material: EPDM + Stainless Steel

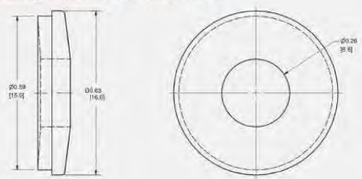
Decking Screw Assembly

1. Self-Tapping Screw, #14 X 3.00



Material: Stain
Finish: Clear

2. Sealing Washer .26ID X .50X .125



Material: EPDM + Stainless Steel

D10214-V004
Dimensions shown are inches (and millimeters) Details are subject to change without notice

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ATTACHMENT DATA SHEET

THE THOMAS BARNUM RESIDENCE
7348 NORTH CROSSWAY ROAD,
FOX POINT, WI 53217
414-828-7348

SOLENERGY
PHIL SUTTER
LIC#: DC-042100451 EXP: 2023
7182 HWY 14, #201, MIDDLETON, WI 53562
608-558-3842
jdhirsbrunner@solenergysolar.com

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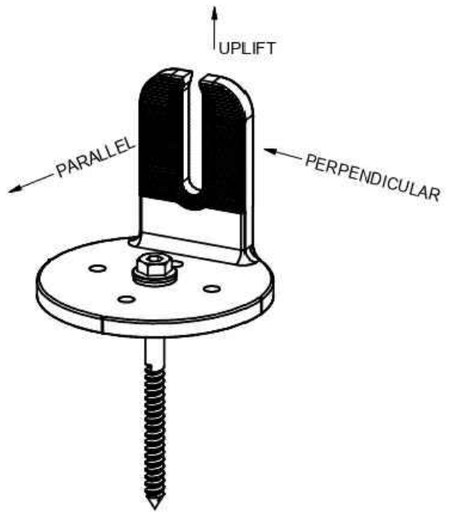
D-6

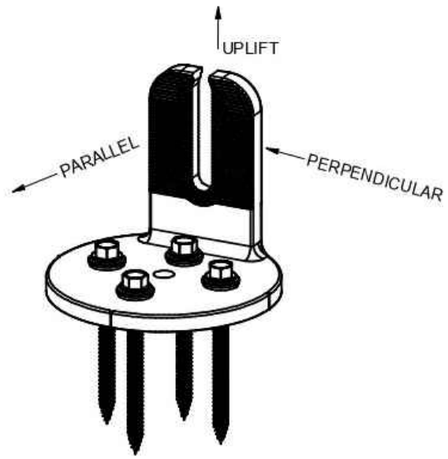
1 ATTACHMENT DATA SHEET
SCALE: N.T.S.

NOTES
1. 5/16 Lag in 2X4 Lumber.
2. Values valid only when product is used in accordance with SunModo installation and other technical documentation.



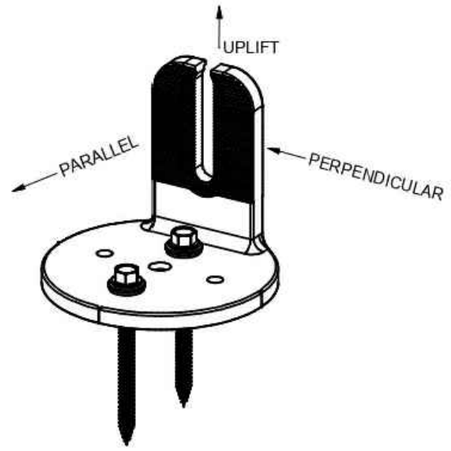
	FOS=2	FOS=3
UPLIFT(LBF)	370	245
PERPENDICULAR(LBF)	275	185
PARALLEL(LBF)	230	150

K50053-XX1 NANO MOUNT WITH LAG' SCREW



	FOS=2	FOS=3
UPLIFT(LBF)	250	165
PERPENDICULAR(LBF)	145	95
PARALLEL(LBF)	280	185

K50053-XX3 NANO DECK MOUNT
(IN 1/2" PLYWOOD)



	FOS=2	FOS=3
UPLIFT(LBF)	640	425
PERPENDICULAR(LBF)	205	135
PARALLEL(LBF)	275	185

K50053-XX3 NANO DECK MOUNT
(IN RAFTER)

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MATERIAL	SEE NOTES
Third Angle Projection:	
GENERAL SPECIFICATIONS All Dimensions In Inches [millimeters] Tolerances X.XXX ±0.01 [0.25 mm] X.XX ±0.02 [0.50 mm] Break all sharp edges X.X ±0.039 [1.0 mm] .010-.020 unless Unless otherwise spec'd otherwise specified.	
DRAWN BY: LWF	DATE: 01/22/2021
CHECKED BY	
APPROVALS	

SunModo Corp.
14800 NE 65TH STREET, VANCOUVER WA 98682

TITLE	NANO MOUNT LOAD CAPACITIES
B	DRAWING NUMBER: K50053-XXX STRUCTURE
SCALE:	SHEET 1 of 1

1 ATTACHMENT DATA SHEET
SCALE: N.T.S.

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ATTACHMENT DATA SHEET

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SOLENERGY
PHIL SUTTER
LIC#: DC-042100451 EXP: 2023
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D-7

SunModo introduces the SMR Pitched Roof System, the best value pitched roof mounting system on the market.

With fast and easy Pop-On Clamps and L-Foot Adaptors, professional installers can mount, adjust, and secure PV panels with a single tool.

Whether rafter or deck, portrait or landscape, the SMR System is the ideal solution for your solar installation. Save money on materials and installation time.

The SMR System Advantage

- ✓ The best value, best performing rail system on the market
- ✓ Lag-to-Panel single tool installation
- ✓ Pop-On universal clamps make installation fast, reliable and flexible
- ✓ A full range of roof attachments to meet every need
- ✓ Fastest install and lowest cost

Key Features of the SMR System

SUNMODO

The SMR System represents a huge leap in racking technology. Optimized design makes the SMR Rails not only the lightest but also the strongest rails on the market. One tool assembly and Pop-On technology allow fast and worry-free installation. The cost and performance cannot be beaten.

SMR100 Rail

SMR200 Rail

Clamps & Grounding

Mid Clamp

The Bonding Pop-On Universal Mid Clamps accommodate PV module frame heights ranging from 30mm to 50mm. The fastest installing Mid Clamps on the market.

L Foot Adaptor

Fast and easy Pop-On L-Foot Adaptor speeds installation and eliminates old-fashioned T-Bolts. Install fast with full confidence in every attachment.

End Clamp

Universal height accommodates 30mm to 50mm module frame thicknesses. Pop-On Clamp provides fast and easy install with a single SKU for any install.

Rail Splice

Fully structural bonding splice with fast and easy single bolt installation

Shared Rail Mid/End Clamp

Easily adapt racking to Shared Rail install. Uses the same Pop-On technology as standard clamps to provide fast and easy install.

Grounding Lug

The Lug provides proper grounding of the PV System

Technical Data

Application	Pitched Roof
Roof Type	Composition shingle, Metal and Tile
Material	High grade aluminum and 304 stainless steel hardware
PV Modules	Compatible with all common module types
Module Orientation	Portrait and landscape
Roof Attachment	Rafter and decking
Structural Integrity	IBC compliant, stamped engineering letters available
Certificate	UL 2703 listed by ETL
Warranty	25 years

SunModo, Corp. Vancouver, WA., USA • www.sunmodo.com • 360.844.0048 • info@sunmodo.com

1 RAIL DATA SHEET
SCALE: N.T.S.

SOLENERGY

RAIL DATA SHEET

THE THOMAS BARNUM RESIDENCE
7348 NORTH CROSSWAY ROAD,
FOX POINT, WI 53217
414-828-7348

SOLENERGY
PHIL SUTTER
LIC#: DC-042100451 EXP: 2023
7182 HWY 14, #201, MIDDLETON, WI 53562
608-558-3842
jdhirsbrunner@solenergysolar.com

SIGNED: _____ DATE: _____

05/24/2023
DRAWN BY: BPM
APN: 0970178000
LOT: 0.33 ACRES
DWELLING: _____ SQFT

D-8

JUNCTION BOX & CONDUIT RACEWAYS

NEC 690.31(E)(3) – CONDUIT / ALL JUNCTION BOXES

WARNING:
PHOTOVOLTAIC POWER SOURCE

NEC 690.35(F) – UNDERGROUND SYSTEM JUNCTION BOXES

WARNING:
ELECTRIC SHOCK HAZARD
THE DC CONDUCTORS OF THIS PHOTOVOLTAIC SYSTEM ARE UNDERGROUND AND MAY BE ENERGIZED.

DC DISCONNECTS

NEC 690.14(4) GROUNDED SYSTEMS

WARNING:
ELECTRIC SHOCK HAZARD
DO NOT TOUCH TERMINALS. TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION.

NEC 690.35(F) UNGROUNDED SYSTEMS

WARNING:
ELECTRIC SHOCK HAZARD
THE DC CONDUCTORS OF THIS PHOTOVOLTAIC SYSTEM ARE UNDERGROUND AND MAY BE ENERGIZED.

NEC 690.14(C)(2)

PHOTOVOLTAIC
DC DISCONNECT

NEC 690.53

"GRID–TIED PHOTOVOLTAIC POWER SOURCE"
OPERATING CURRENT: 26.62A
OPERATING VOLTAGE: 240V
MAXIMUM SYSTEM VOLTAGE: 240V
MAXIMUM SYSTEM CURRENT: 33.275A
MAXIMUM INVERTER OUTPUT: 6,600W, 33.275A, 240VAC

INVERTER

NEC 690.5(C) – GROUNDED SYSTEMS

WARNING:
ELECTRIC SHOCK HAZARD
IF A GROUND FAULT IS INDICATED, NORMALLY GROUNDED CONDUCTORS MAY BE UNDERGROUND AND ENERGIZED

NEC 690.35(F) – UNGROUNDED SYSTEMS

WARNING:
ELECTRIC SHOCK HAZARD
DC CONDUCTORS OF THIS PHOTOVOLTAIC SYSTEM ARE UNDERGROUND AND MAY BE ENERGIZED

PRODUCTION METER

ONLY AT METER LOCATION

PHOTOVOLTAIC SYSTEM METER

AC DISCONNECTS

NEC 690.14(C)(2)

PHOTOVOLTAIC AC DISCONNECT

NEC 690.54

NOMINAL AC VOLTAGE	240V
RATED AC OUTPUT CURRENT	26.62A

NEC 705.12(D)(4) – ON A LINE SIDE TAP

WARNING: DUAL POWER SOURCE
SECOND SOURCE IS PV SYSTEM

PER CODE NEC 690.56(C)

PHOTOVOLTAIC SYSTEM EQUIPPED WITH RAPID SHUTDOWN

MAIN SERVICE PANEL

NEC 705.12(D)(7) – NEAR PV BREAKER

WARNING:
INVERTER OUTPUT CONNECTION
DO NOT RELOCATE THIS OVERCURRENT PROTECTION DEVICE

NEC 705.12(D)(4), 690.56(B) – ON PANEL COVER

WARNING: DUAL POWER SOURCE
POWER IS BEING SUPPLIED TO THIS PANEL FROM THE UTILITY AND A SOLAR PV SYSTEM.
THE SOLAR PV DISCONNECT IS LOCATED:

NEC 690.14(C)(2) – NEAR PV BREAKER

PHOTOVOLTAIC AC DISCONNECT

NEC 690.54 – ON PANEL COVER

NOMINAL AC VOLTAGE	240V
RATED AC OUTPUT CURRENT	26.62A

690.56(C) Buildings with Rapid Shutdown.

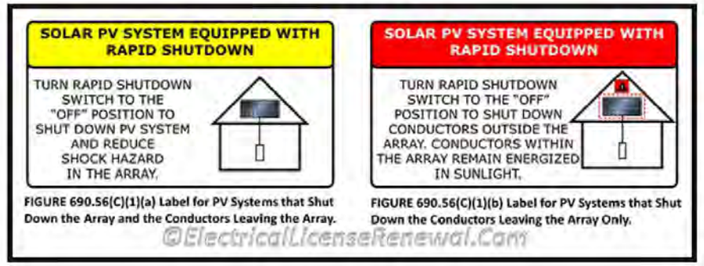


FIGURE 690.56(C)(1)(a) Label for PV Systems that Shut Down the Array and the Conductors Leaving the Array.

FIGURE 690.56(C)(1)(b) Label for PV Systems that Shut Down the Conductors Leaving the Array Only.

@ElectricalLicenseRenewal.Com

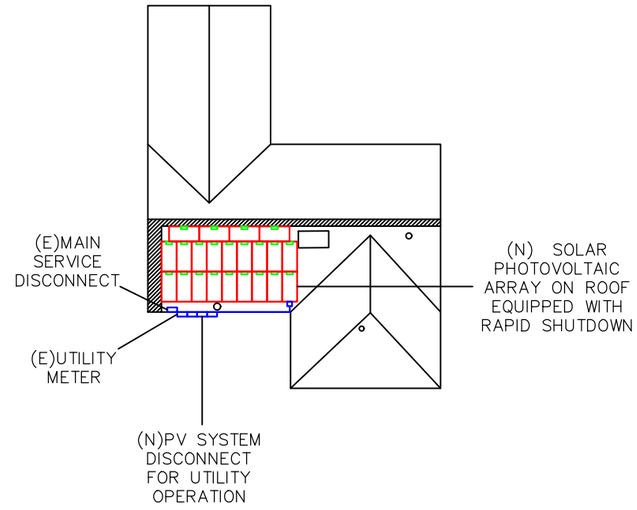
RED SIGNAGE W/WHITE 3/8" FONT

CAUTION

POWER TO THIS BUILDING IS ALSO SUPPLIED FROM THE FOLLOWING SOURCES WITH DISCONNECTS LOCATED AS SHOWN:

ADDRESS: 7348 NORTH CROSSWAY ROAD,
FOX POINT, WI 53217

RED SIGNAGE W/WHITE 1/4" FONT



RED SIGNAGE W/WHITE 1/8" FONT TYP.

1 WARNING PLACARDS
SCALE: N.T.S.

SOLENERGY

WARNING PLACARDS

THE THOMAS BARNUM RESIDENCE
7348 NORTH CROSSWAY ROAD,
FOX POINT, WI 53217
414–828–7348

SOLENERGY
PHIL SUTTER
LIC#: DC–042100451 EXP: 2023
7182 HWY 14, #201, MIDDLETON, WI 53562
608–558–3842
jdhirsbrunner@solenergysolar.com

SIGNED: _____ DATE: _____

05/24/2023
DRAWN BY: BPM
APN: 0970178000
LOT: 0.33 ACRES
DWELLING: _____ SQFT

L-1

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

SIGN PERMIT

Sign Address 8740 NORTH PORT WASHINGTON ROAD

Owner/Occupant	
Business Name REALTY INCOME PROPERTIES LLC	Contact Name
Address 11995 EL CAMINO	City/State/Zip SAN DIEGO CA 92130
Phone 877-924-6266	Email

Property Owner/Lessee Signature will Provide **Date** _____

Contractor	
Company Name LEMBERG ELECTRIC CO. INC	Contact Name PEGGY SIEPKA
Address 4085 N. 128TH ST. STE. 100	City/State/Zip BROOK FIELD WI 53005
Phone 262-781-1500	Email PEGGY@EXPEDITETHEDIEHL.COM

Type of Sign	
Freestanding	Other
Awning	Other
✓ Wall	Other

Sign Size	
Dimensions of sign: 11' 3/4" X 3'10 1/4"	Square footage of sign: 42.6
Distance from grade to top of sign: 20'	

Illumination	
Internally	Externally

Sided	
Single	Double

Description	**Rate**	**Amount**
Sign	**$70.00**	70.00
Building Board	**$75.00**	75.00
Payable to: Village of Fox Point	**Total Permit Fee**	**$** 145.00

Applicant Signature Peggy Siepka **Date** 6/15/23

OFFICE USE ONLY		
Approved by Building Inspector:	_____ Signature	_____ Date

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) 247-6622
www.villageoffoxpoint.com

SIGN PERMIT

Sign Address 8740 NORTH PORT WASHINGTON ROAD	
Owner/Occupant	
Business Name REALTY INCOME PROPERTIES LLC	Contact Name
Address 11995 EL CAMINO	City/State/Zip SAN DIEGO CA 92130
Phone 877-924-6266	Email

Property Owner/Lessee Signature See Attached **Date** 6/15/23

Contractor	
Company Name LEMBERG ELECTRIC CO. INC	Contact Name PEGGY SIEPKA
Address 4085 N. 128TH ST. STE. 100	City/State/Zip BROOK FIELD WI 53005
Phone 262-781-1500	Email PEGGY@EXPEDITETHEDIEHL.COM

Type of Sign	
Existing Freestanding ✓	Other Face Replacements
Awning	Other
Wall	Other

Sign Size	
Dimensions of sign: 8'4"x3'	Square footage of sign: 37.33
Distance from grade to top of sign: 5,1	

Illumination	
(Internally)	Externally

Sided	
Single	(Double)

Description	**Rate**	**Amount**
Sign	**$70.00**	70.00
Building Board	**$75.00**	75.00
Payable to: Village of Fox Point	**Total Permit Fee**	**$** 145.00

Applicant Signature [signature] **Date** 6/15/23

OFFICE USE ONLY		
Approved by Building Inspector:	Signature	Date

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) 247-6622
www.villageoffoxpoint.com

SIGN PERMIT

Sign Address 8740 NORTH PORT WASHINGTON ROAD

Owner/Occupant	
Business Name REALTY INCOME PROPERTIES LLC	Contact Name
Address 11995 EL CAMINO	City/State/Zip SAN DIEGO CA 92130
Phone 877-924-6266	Email

Property Owner/Lessee Signature Will Provide **Date** _____

Contractor	
Company Name LEMBERG ELECTRIC CO. INC	Contact Name PEGGY SIEPKA
Address 4085 N. 128TH ST. STE. 100	City/State/Zip BROOK FIELD WI 53005
Phone 262-781-1500	Email PEGGY@EXPEDITETHEDIEHL.COM

Type of Sign	
Freestanding	Other
Awning	Other
✓ Wall	Other

Sign Size	
Dimensions of sign: 10 1/2 inches x 1'6"	Square footage of sign: 1.31
Distance from grade to top of sign:	

Illumination	
Internally	Externally

Sided	
Single	Double

Description	**Rate**	**Amount**
Sign	**$70.00**	70—
Building Board	**$75.00**	75—
Payable to: Village of Fox Point	**Total Permit Fee**	$ 145.00

Applicant Signature Peggy Siepka **Date** 6/15/22

OFFICE USE ONLY	
Approved by Building Inspector: _____ Signature	_____ Date

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) 247-6622
www.villageoffoxpoint.com

SIGN PERMIT REQUIREMENTS

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**.

Complete Building Board Applications must include:

- ☑ **One set of drawings** to 1/4 inch scale on 24" x 36" maximum size sheets. The plan submittal must include letter and background colors, letter size(s), logo size, color, dimensions, type of illumination, message, and total sq. footage of the sign. For individual letters, a cross section of the letter must be included.
- ☑ **Survey** or scaled drawing indicating the location & position of the sign(s) on the property in relation to the nearby structures, property & signs. If proposing a wall sign, include an elevation view of the sign located on the building, along with the scaled dimensions of the building.
- ☑ **Color rendering** or digital photographs of the existing and adjacent premises, building or signage to assist the Building Board in making aesthetic decisions. If possible, it is recommended to include the proposed sign in photographs of the existing conditions.
- ☑ **Electronic copy of entire sign packet** emailed to mrakow@villageoffoxpoint.com
- ☑ **Completed Sign Permit Application.**
- ☑ **Building Board Fee** $75.00 Payable to the Village of Fox Point.

A REPRESENTATIVE MUST ATTEND BUILDING BOARD MEETING

BMO

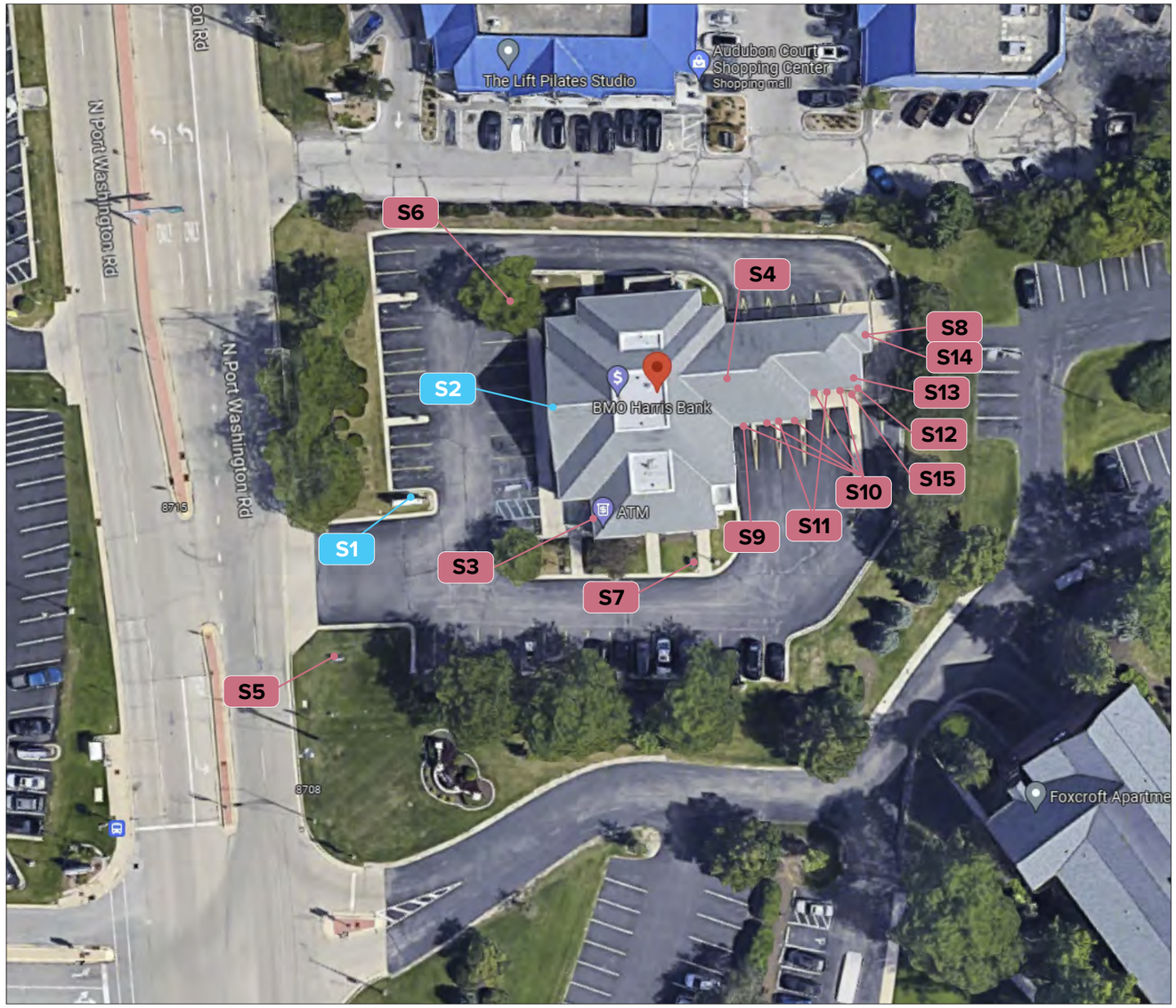
Google Map

Site ID 9271 - A
8740 NORTH PORT WASHINGTON ROAD
FOX POINT, WI 53217

Initial Date: 04-28-23
Revision Date: 05-01-23, 05-03-23

PRIORITY

Site



Primary Signs

Sign	Proposed Sign	Allowed SF	Proposed SF
S1	Replacement Faces	NA	37.33
S2	Dual-Lit Letterset	NA	42.6

Secondary Signs

Sign	Proposed Sign	Allowed SF	Proposed SF
S3.1	Hours Plaque	NA	NA
S3.2	Automatic Door Vinyl		
S3.3	Door Vinyl Symbols		
S4	Drive-Thru Window Banding		
S5	Leave As Is - Directional		
S6	Directional - Vinyl Replacement		
S7	Leave As Is - Directional		
S8	Leave As Is - ATM Header		
S9	Leave As Is - Commercial Lane		
S10	Leave As Is - Open/Closed		
S11	Leave As Is - Clearance Panels		
S12	Leave As Is - ATM Cabinet		
S13	Leave As Is - Close Clearance Panels		
S14	Leave As Is - ATM Panels		
S15	Remove Only - Marketing Banners		

Code Narrative
No information on wall signs found in sign code

N

Underwriters Laboratories, Inc.
Sign components to be in strict UL compliance.

All dimensions are imperial unless specified metric. Items are scaled as noted when printed on an 11x17 sheet.

PRIORITY

S1 Custom Replacement Faces (2 required)

Remove existing faces from D/F illuminated ground sign. Install new routed aluminum faces with push thru copy as shown.

FACE DIMENSIONS, DEPTH & MOUNTING TO BE VERIFIED.

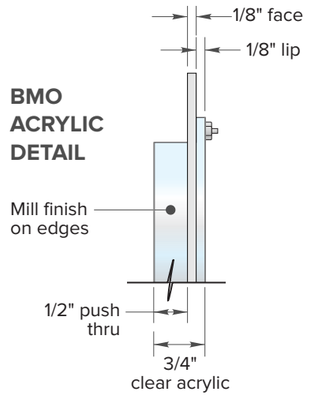
Color Specifications

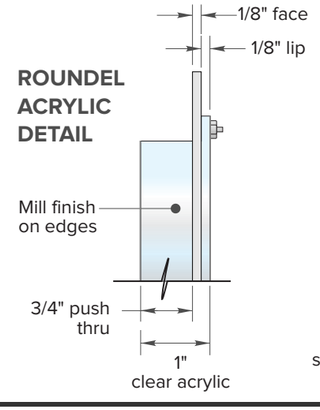
- **BMO Faces:** Painted to match Pantone 300C Blue, Satin finish
- **Roundel Vinyl:** 3M #3630-143 Poppy Red w/ 3M 3660M Scotchcal Matte overlaminate (first surface)
- **Copy & Roundel Accent Vinyl:** 3M #3630-20 Translucent White (first surface)
- **Push-Thru Graphics:** Clear acrylic with 3M #3635-70 White Diffuser film (second surface)

Scale | 1/2" = 1'

BEFORE

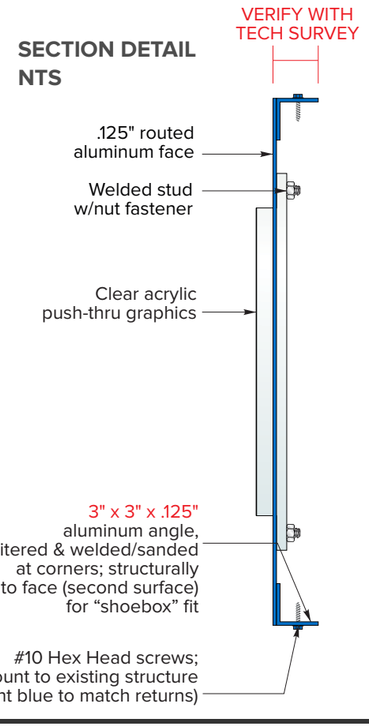
Existing Sign Size: 4'-10" x 11'-10" x 7'-5" OAH





AFTER

VERIFY WITH TECH SURVEY



Drawing # C78972-1
OE 9271

Address: 8740 NORTH PORT WASHINGTON ROAD
City/ST: FOX POINT, WI

Date: 04-28-23
Designer: KB PM: RB

File Location: Drive/Clients/ STND ___ CSTM _X_
AS CR EN

Revisions:
Removed city vinyl from scope | DM 5/3/23 X
X X
X X
X X
X X

Underwriters Laboratories, Inc.
Sign components to be in strict UL compliance.

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PRIORITY

S2 Face-Lit / Halo-Lit Channel Letters

Remove existing illuminated letterset. Patch and paint gable to match Sherwin Williams SW 9624 - Winsome Gray. Install new face-lit / halo-lit letters in same location as existing letterset.

BEFORE

Existing Sign Size: 20'-3" x 2'-10 1/4" = 57.80 sf

Allowed	Proposed	Restoration
NA	42.6 sf	418 sf

AFTER

Center vertically and horizontally on fascia band.

Drawing # C78972-1
OE 9271

Address: 8740 NORTH PORT WASHINGTON ROAD
City/ST: FOX POINT, WI

Date: 04-28-23
Designer: KB PM: RB

File Location: Drive/Clients/ STND X CSTM ___
AS CR EN

Revisions:
increase to 20" / JAB / 5-1-23 X
X X
X X
X X
X X

Underwriters Laboratories, Inc.
Sign components to be in strict UL compliance.

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PRIORITY

S2 Face-Lit / Halo-Lit Channel Letters

Letterset specifications and details.

COLOR PALETTE

LETTER VINYL:
3M screen printed
Dual Color ON
to match Pantone 300 C Blue

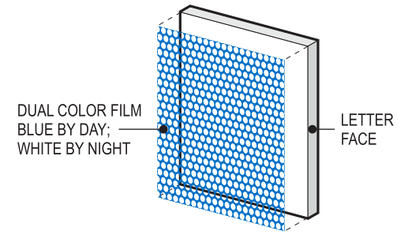
LOGO VINYL:
3M 3630-143 Poppy Red
3M 3660-M Scotchcal Matte
overlaminate

SPACERS:
to match
sign band

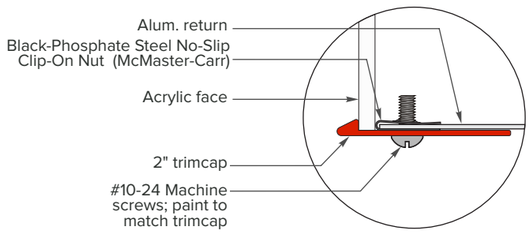
LETTER RETURNS:
Pantone 300 C Blue

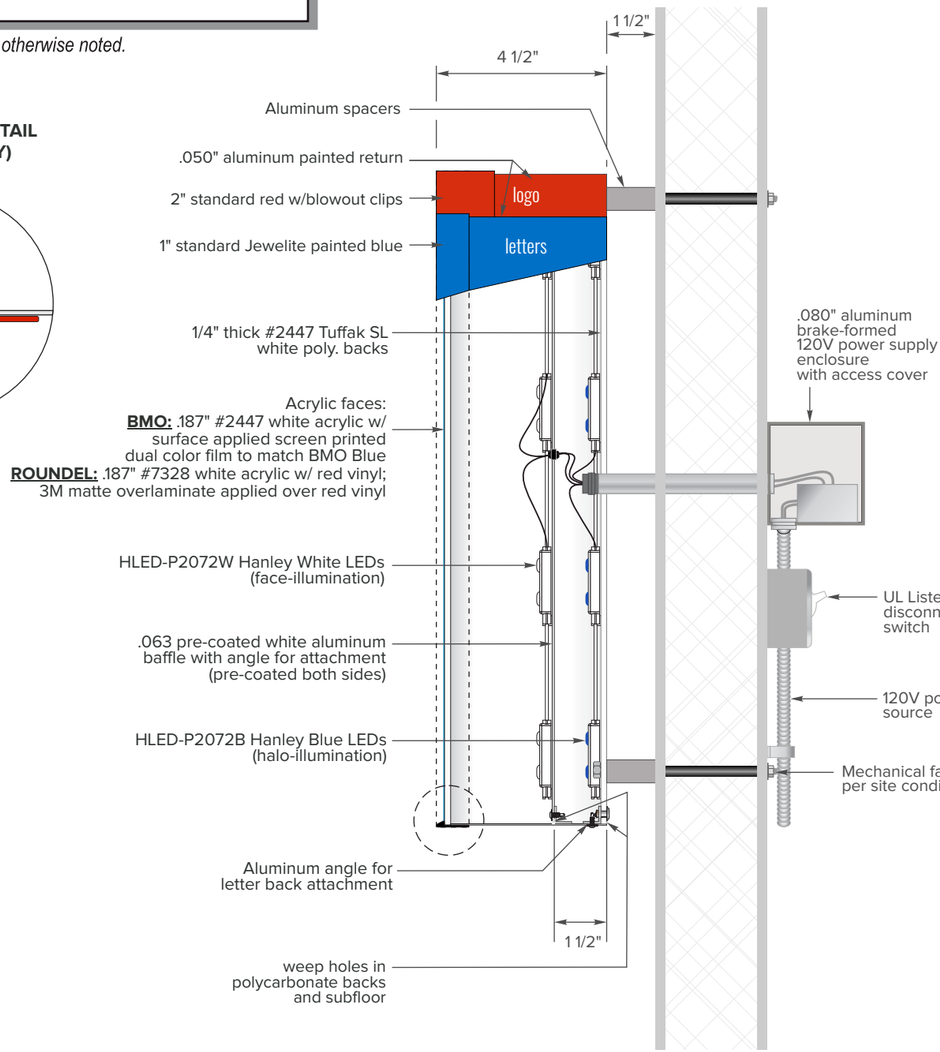
LOGO RETURNS:
Pantone 485 C

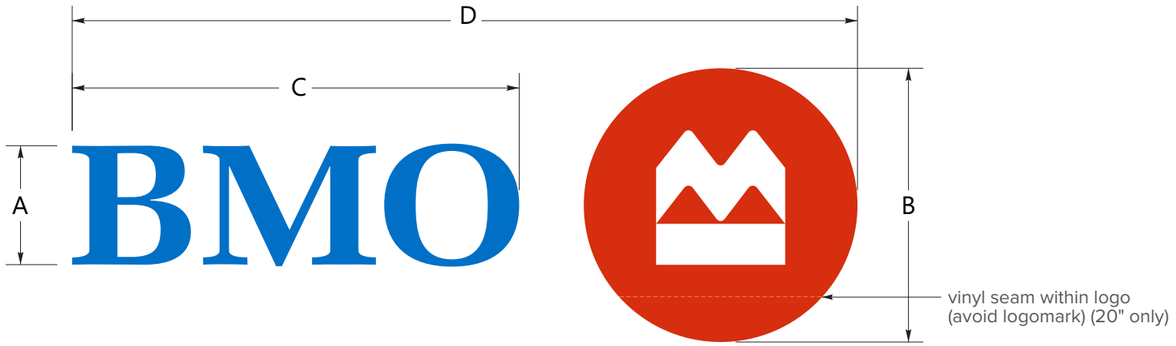
All paint finishes are satin unless otherwise noted.



BLOWOUT CLIP DETAIL
(ROUNDEL ONLY)
NTS







SIZE CHART					
TYPE	A (Letter Height)	B (Roundel Height)	C (Letter Width)	D (Overall Width)	Square Feet
FL-HL-20-B-PERF	**1'-8"**	3'-10-1/4"	6'-3-1/2"	11'-3/4"	42.6

Drawing # C78972-1
OE 9271

Address: 8740 NORTH PORT WASHINGTON ROAD
City/ST: FOX POINT, WI

Date: 04-28-23
Designer: KB PM: RB

File Location: Drive/Clients/
STND X
CSTM ___
AS CR EN

Revisions:
increase to 20" / JAB / 5-1-23
x
x
x
x

Underwriters Laboratories, Inc.
Sign components to be in strict UL compliance.

All dimensions are imperial unless specified metric. Items are scaled as noted when printed on an 11x17 sheet.

PRIORITY

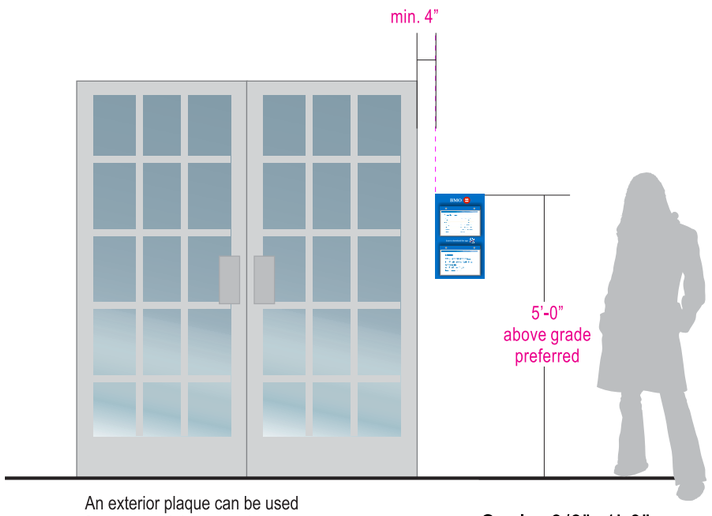
S3.1 Exterior Hours Plaque

Install new 3/8" thick acrylic plaque with printed graphics as shown; stud mount flush to wall.
NOTE: Hour's graphics cannot be moved to the door glass due to insufficient window width.

BEFORE

AFTER

Ext-Plaque

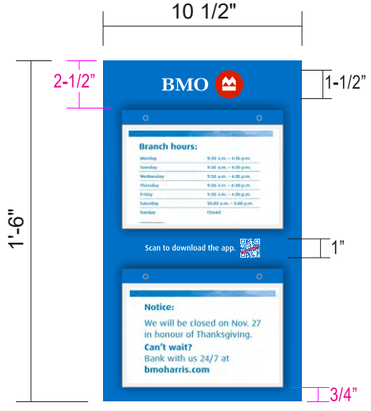


An exterior plaque can be used for any special custom door or any doors that cannot support horizontal banding.

Install plaque where hours are visible to customer and will not obstruct the view for the staff.

Scale: 3/8”=1'-0"

6.25” x 8.5” Insert holders installed to face of plaque with VHB tape at top edge
Conceal tape w/ 3/4” x 8.5” blue vinyl band



Scale: 1-1/2”=1'-0"

COLOR PALETTE

Pantone 300 Blue

Pantone 485 Red

Inserts to be provided by others

Drawing # C78972	Address: 8740 NORTH PORT WASHINGTON ROAD	Date: 04-28-23	File Location: Drive/Clients/ STND X CSTM ___	Revisions:	Underwriters Laboratories, Inc.
OE 9271	City/ST: FOX POINT, WI	Designer: KB PM: RB	AS CR EN	X X X X X X X X X X	Sign components to be in strict UL compliance.

All dimensions are imperial unless specified metric. Items are scaled as noted when printed on an 11x17 sheet.

PRIORITY

S3.2 Vinyl Decals

Remove existing vinyl. Clean residue. Apply new vinyl decals first surface as shown.

BEFORE

AFTER

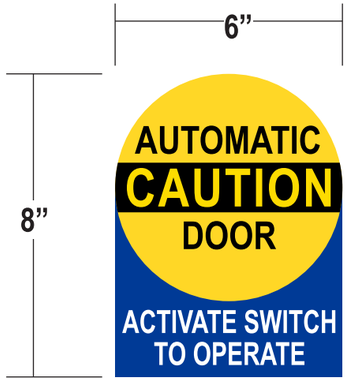
DIGITALLY PRINTED VINYL DECALS:

Digitally printed to match colors shown with

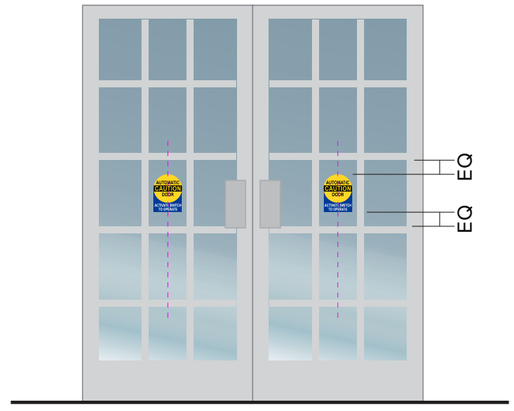
3M 3660-M Scotchcal Matte overlaminate

- Black
- Pantone 012 Yellow
- Pantone 287 Blue

VD-AUTO



Scale: 3”=1'-0"



Scale: 3/8”=1'-0"

Drawing # C78972
OE 9271

Address: 8740 NORTH PORT WASHINGTON ROAD
City/ST: FOX POINT, WI

Date: 04-28-23
Designer: KB PM: RB

File Location: Drive/Clients/ STND X CSTM ___
AS CR EN

Revisions:
X X
X X
X X
X X
X X

Underwriters Laboratories, Inc.
Sign components to be in strict UL compliance.

All dimensions are imperial unless specified metric. Items are scaled as noted when printed on an 11x17 sheet.

PRIORITY

S3.3 Vinyl Decals

Remove existing vinyl. Clean residue. Apply new vinyl decals first surface as shown.

DIGITALLY PRINTED VINYL DECALS:

Digitally printed to match colors shown with

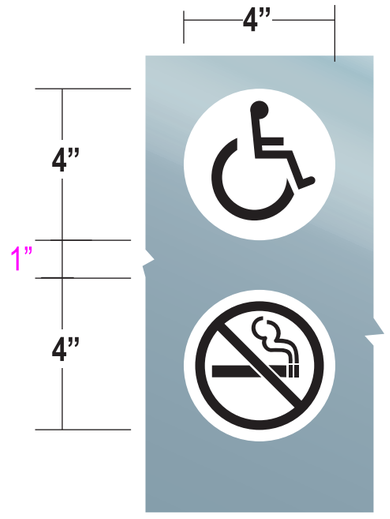
3M 3660-M Scotchcal Matte overlaminate

- Black
- White

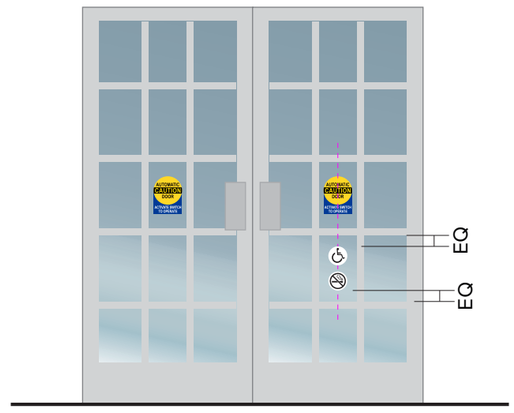
BEFORE

AFTER

VD-STM



Scale: 3”=1'-0"



Scale: 3/8”=1'-0"

Drawing # C78972
OE 9271

Address: 8740 NORTH PORT WASHINGTON ROAD
City/ST: FOX POINT, WI

Date: 04-28-23
Designer: KB PM: RB

File Location: Drive/Clients/
STND X
CSTM ___
AS CR EN

Revisions:
X X
X X
X X
X X
X X

Underwriters Laboratories, Inc.
Sign components to be in strict UL compliance.

All dimensions are imperial unless specified metric. Items are scaled as noted when printed on an 11x17 sheet.

PRIORITY

S4 Drive Thru Window Vinyl - Banding

Remove existing vinyl. Clean residue. Apply new vinyl banding first surface as shown.

3M #7725-10 Opaque White with printed graphics

COLOR PALETTE

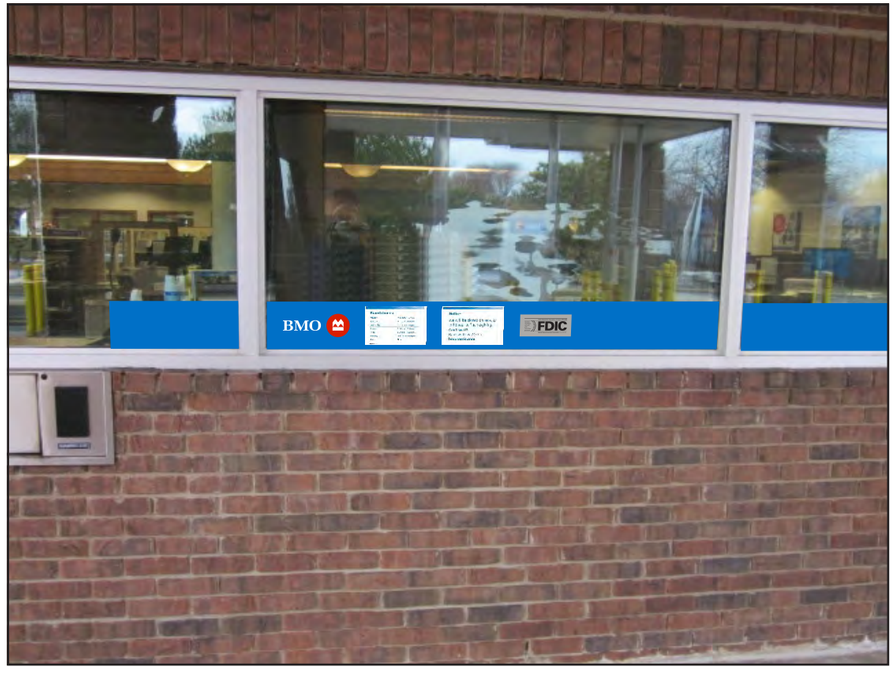
Pantone 300 Blue

Pantone 485 Red

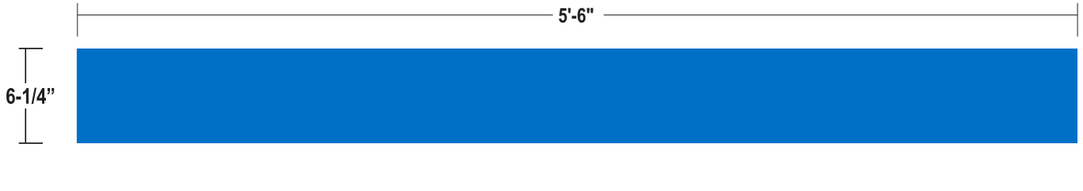
Inserts to be provided by others

BEFORE

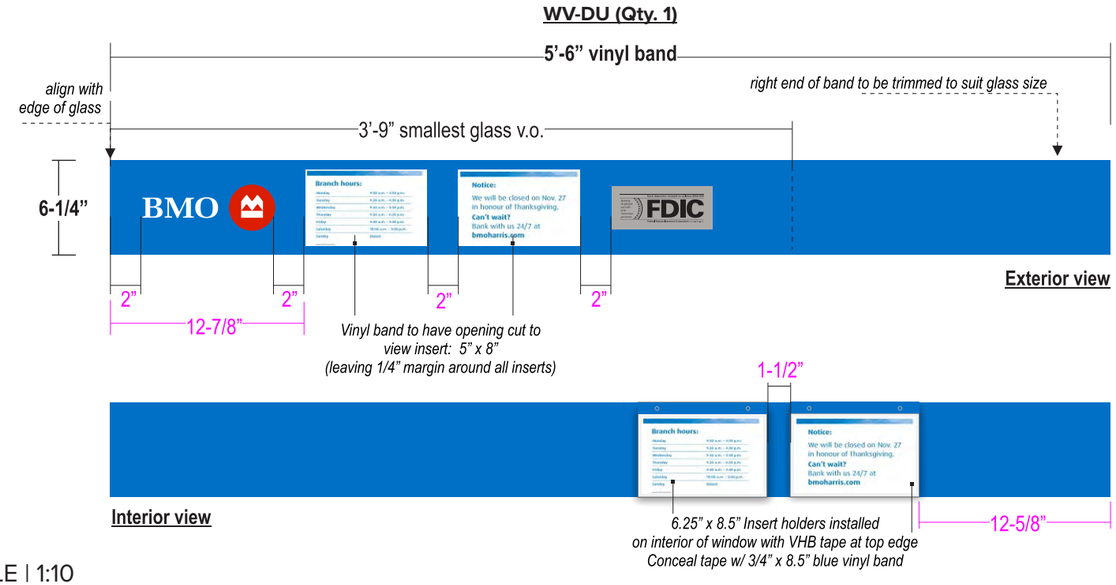
AFTER



WV-DU-Banding (Qty. 2)

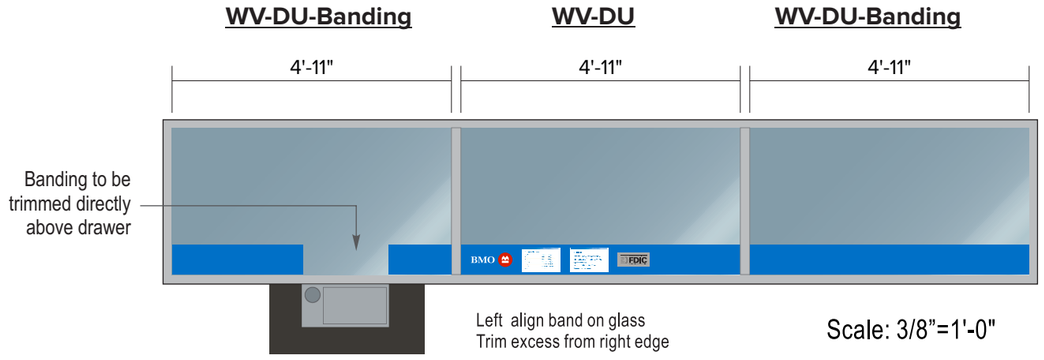


WV-DU (Qty. 1)



SCALE | 1:10

FULL LAYOUT SHOWN HERE:



Drawing # C78972	Address: 8740 NORTH PORT WASHINGTON ROAD	Date: 04-28-23	File Location: Drive/Clients/	STND X CSTM ___	Revisions:
OE 9271	City/ST: FOX POINT, WI	Designer: KB PM: RB	AS CR EN		

Underwriters Laboratories, Inc.

Sign components to be in strict UL compliance.

All dimensions are imperial unless specified metric. Items are scaled as noted when printed on an 11x17 sheet.

PRIORITY

S5 Leave As Is

No work needed.

Drawing # C78972

OE 9271

Address: 8740 NORTH PORT WASHINGTON ROAD

City/ST: FOX POINT, WI

Date: 04-28-23

Designer: KB PM: RB

File Location: Drive/Clients/

STND ___
CSTM ___

☐ AS △ CR EN

Revisions:

X
X
X
X
X

X
X
X
X
X

Underwriters Laboratories, Inc.

Sign components to be in strict UL compliance.

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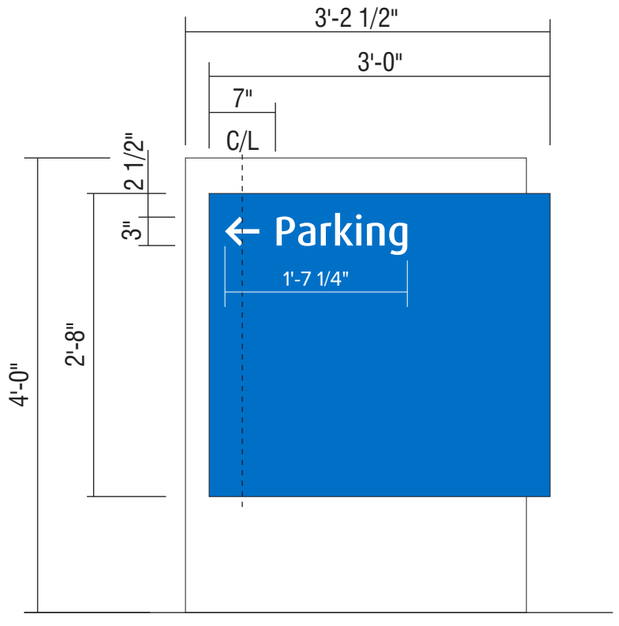
PRIORITY

S6 Vinyl Replacement - S/F Directional

Remove existing vinyl. Clean surface of remaining residue. Install new 3M #680-10 Reflective White vinyl on first surface per standard as shown.



Scale | 3/4" = 1'-0"

BEFORE - Side A

EXISTING - Side B

AFTER - Side A

Drawing # C78972-1
OE 9271

Address: 8740 NORTH PORT WASHINGTON ROAD
City/ST: FOX POINT, WI

Date: 04-28-23
Designer: KB PM: RB

File Location: Drive/Clients/
STND ___ CSTM X
AS CR EN

Revisions:

Revised to show vinyl replacement | DM 5/3/23	X
X	X
X	X
X	X
X	X

Underwriters Laboratories, Inc.
Sign components to be in strict UL compliance.

All dimensions are imperial unless specified metric. Items are scaled as noted when printed on an 11x17 sheet.

PRIORITY

S7 Leave As Is

No work needed.

Drawing # C78972

OE 9271

Address: 8740 NORTH PORT WASHINGTON ROAD

City/ST: FOX POINT, WI

Date: 04-28-23

Designer: KB PM: RB

File Location: Drive/Clients/

STND ___
CSTM ___

☐ AS △ CR ☼ EN

Revisions:

X	X
X	X
X	X
X	X
X	X

Underwriters Laboratories, Inc.

Sign components to be in strict UL compliance.

All dimensions are imperial unless specified metric. Items are scaled as noted when printed on an 11x17 sheet.

PRIORITY

S8 Leave As Is

No work needed.

Drawing # C78972

OE 9271

Address: 8740 NORTH PORT WASHINGTON ROAD

City/ST: FOX POINT, WI

Date: 04-28-23

Designer: KB PM: RB

File Location: Drive/Clients/ STND ___ CSTM ___

☐ AS △ CR ⚙ EN

Revisions:

X
X
X
X
X
X
X
X
X
X

Underwriters Laboratories, Inc.

Sign components to be in strict UL compliance.

All dimensions are imperial unless specified metric. Items are scaled as noted when printed on an 11x17 sheet.

PRIORITY

S9 Leave As Is

No work needed.

Drawing # C78972
OE 9271

Address: 8740 NORTH PORT WASHINGTON ROAD
City/ST: FOX POINT, WI

Date: 04-28-23
Designer: KB PM: RB

File Location: Drive/Clients/
STND ___
CSTM ___
AS CR EN

Revisions:
X
X
X
X
X
X
X
X
X
X

Underwriters Laboratories, Inc.
Sign components to be in strict UL compliance.

All dimensions are imperial unless specified metric. Items are scaled as noted when printed on an 11x17 sheet.

PRIORITY

S10 Leave As Is - Digital Lane Indicator - Qty. 5

No work needed.
NOTE: Tech survey required to verify if the sign is currently working properly.

Drawing # C78972
OE 9271

Address: 8740 NORTH PORT WASHINGTON ROAD
City/ST: FOX POINT, WI

Date: 04-28-23
Designer: KB PM: RB

File Location: Drive/Clients/
STND ___
CSTM ___
☐ AS △ CR ☼ EN

Revisions:
X
X
X
X
X
X
X
X
X
X

Underwriters Laboratories, Inc.
Sign components to be in strict UL compliance.

All dimensions are imperial unless specified metric. Items are scaled as noted when printed on an 11x17 sheet.

PRIORITY

S11 **Leave As Is - Qty. 2**

No work needed.

Drawing # C78972

OE 9271

Address: 8740 NORTH PORT WASHINGTON ROAD

City/ST: FOX POINT, WI

Date: 04-28-23

Designer: KB PM: RB

File Location: Drive/Clients/ STND ___ CSTM ___

☐ AS △ CR EN

Revisions:

X
X
X
X
X

X
X
X
X
X

Underwriters Laboratories, Inc.

Sign components to be in strict UL compliance.

All dimensions are imperial unless specified metric. Items are scaled as noted when printed on an 11x17 sheet.

PRIORITY

S12 Leave As Is

No work needed.

Drawing # C78972

OE 9271

Address: 8740 NORTH PORT WASHINGTON ROAD

City/ST: FOX POINT, WI

Date: 04-28-23

Designer: KB PM: RB

File Location: Drive/Clients/

STND ___
CSTM ___

☐ AS △ CR ☼ EN

Revisions:

X
X
X
X
X

X
X
X
X
X

Underwriters Laboratories, Inc.

Sign components to be in strict UL compliance.

All dimensions are imperial unless specified metric. Items are scaled as noted when printed on an 11x17 sheet.

PRIORITY

S13 Leave As Is - Qty. 2

Clean scuff mark off face of sign with scuff mark.

Drawing # C78972-1

OE 9271

Address: 8740 NORTH PORT WASHINGTON ROAD

City/ST: FOX POINT, WI

Date: 04-28-23

Designer: KB PM: RB

File Location: Drive/Clients/ STND ___ CSTM ___

☐ AS △ CR ⚙ EN

Revisions:

Revised description to clean scuff mark | DM 5/3/23	X
X	X
X	X
X	X
X	X

Underwriters Laboratories, Inc.

Sign components to be in strict UL compliance.

All dimensions are imperial unless specified metric. Items are scaled as noted when printed on an 11x17 sheet.

PRIORITY

S14 Leave As Is

No work needed.

Drawing # C78972

OE 9271

Address: 8740 NORTH PORT WASHINGTON ROAD

City/ST: FOX POINT, WI

Date: 04-28-23

Designer: KB PM: RB

File Location: Drive/Clients/

STND ___
CSTM ___

☐ AS △ CR ☼ EN

Revisions:

X	X
X	X
X	X
X	X
X	X

Underwriters Laboratories, Inc.

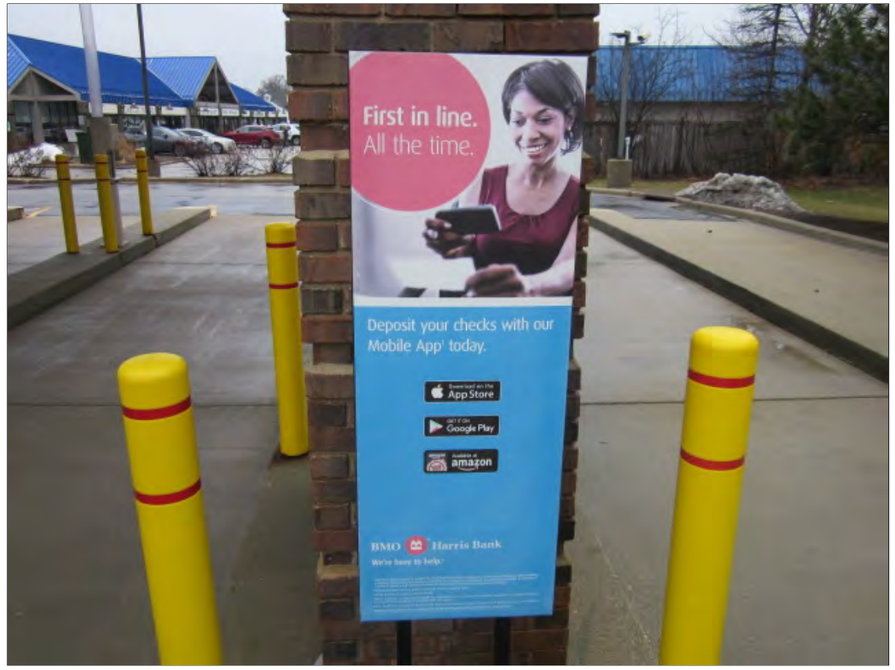
Sign components to be in strict UL compliance.

All dimensions are imperial unless specified metric. Items are scaled as noted when printed on an 11x17 sheet.

PRIORITY

S15 Remove Only

Remove all marketing banners and frames.



Drawing # C78972	Address: 8740 NORTH PORT WASHINGTON ROAD	Date: 04-28-23	File Location: Drive/Clients/ STND ___ CSTM ___	Revisions:		Underwriters Laboratories, Inc.	All dimensions are imperial unless specified metric. Items are scaled as noted when printed on an 11x17 sheet.
OE 9271	City/ST: FOX POINT, WI	Designer: KB PM: RB	☐ AS △ CR ☼ EN	X	X	Sign components to be in strict UL compliance.	PRIORITY

code

CODES

Contact: Michael Rakow
Title: Building Inspector
Phone: (414) 247 6622
Email: mrakow@villageoffoxpoint.com

Municipality:
Zone Class:
Codes Entry: 2023-04-14
Entered By:

Website:

Comment: See documents- for sign regulations- no roof signs and no specific signage ordinances are listed.

Review Process (Days,Weeks): 30 days
Permit Fee:

Permit Expiration:
Variance Allowed(?):

Comment: Permit required

Pylon:
SQ Footage:
Max Height:

Max Allowed:
Setback:

Comment: Freestanding signs in excess of 15 feet in height above normal grade level to the top of the sign may only be permitted subject to the approval of the Village Board after the recommendation of the Building Board.

Monument:
SQ Footage:
Max Height:

Max Allowed:
Setback:

Comment: Freestanding signs in excess of 15 feet in height above normal grade level to the top of the sign may only be permitted subject to the approval of the Village Board after the recommendation of the Building Board.

Wall:
SQ Footage:
Max Height:

Max Allowed:

Comment: No information on wall signs found in sign code

Directional:
SQ Footage:
Max Height:

Max Allowed:
Logo Allowed:

Comment: Freestanding signs in excess of 15 feet in height above normal grade level to the top of the sign may only be permitted subject to the approval of the Village Board after the recommendation of the Building Board.

Graphic/Vinyl:
SQ Footage:
Percentage Allowed:

Max Allowed:

Comment:

Temporary Signage:
How long can banner be installed:
Cost of Permit:

Max Size:
Banners Allowed(?):

Comment:

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 C, 90

BUILDING PERMIT

Job Address 7470 North Port Washington Road	**Building Type:** Residential ☑ Commercial ☐
Description of Work	
Installation of a concrete slab in backyard to support an above ground pool.	
Estimated Cost of Project $ 3,500	

Owner/Occupant	
Business Name N/A	Contact Name Cesar Bolivar
Address 7470 North Port Washington Road	City/State/Zip Fox Point / WI / 53217
Phone 414-617-5782	Email cb2302@gmail.com

Cautionary Statement required when homeowner is applying for permit*

Contractor	
Company Name Verdant Landscaping LLC	Contact Name Fernando
Address 2823 North 44th Street	City/State/Zip Milwaukee / WI / 53210
Phone 414-748-6541	Email
Dwelling Contractor #	Dwelling Contractor Qualifier #

Square Footage Under Construction				
1st Floor	2nd Floor	Basement	Addition 284 sqft	Garage

Description		Rate	Amount
Project - Per $1,000 of estimated cost		$10.00	35.00
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**		$ 110.00

145.00

Applicant Signature _____ **Date** June 27, 2023

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: 1.069334 Jun 28, 2023

7470 N Port Washington Road

Previous Balance:	.00
LICENSES & PERMITS - BUILDING PERMIT	110.00
24-44460 BUILDING PERMIT	
Total:	110.00
CHECK Check No: 307	110.00
Payor: Munoz	
Total Applied:	110.00
Change Tendered:	.00

Duplicate Copy

06/28/2023 1:47 PM

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

CAUTIONARY STATEMENT TO OWNERS OBTAINING BUILDING PERMITS

101.65(1r) of the Wisconsin Statutes requires municipalities that enforce the Uniform Dwelling Code to provide an owner who applies for a building permit with a statement advising the owner that:

If the owner hires a contractor to perform work under the building permit and the contractor is not bonded or insured as required under s. 101.654(2)(a), the following consequences might occur:

(a) The owner may be held liable for any bodily injury to or death of others or for any damage to the property of others that arises out of the work performed under the building permit or that is caused by any negligence by the contractor that occurs in connection with the work performed under the building permit.

(b) The owner may not be able to collect from the contractor damages for any loss sustained by the owner because of a violation by the contractor of the one- and two- family dwelling code or an ordinance enacted under sub. (1)(a), because of any bodily injury to or death of others or damage to the property of others that arises out of the work performed under the building permit or because of any bodily injury to or death of others or damage to the property of others that is caused by any negligence by the contractor that occurs in connection with the work performed under the building permit.

Wetlands Notice to Permit Applicants

You are responsible for complying with state and federal laws concerning the construction near or on wetlands, lakes, and streams. Wetlands that are not associated with open water can be difficult to identify. Failure to comply may result in removal or modification of construction that violates the law or other penalties or costs. For more information, visit the Department of Natural Resources wetlands identification web page or contact a Department of Natural Resources service

Additional Responsibilities for Owners of Projects Disturbing One or More Acre of Soil

I understand that this project is subject to ch. NR 151 regarding additional erosion control and stormwater management and will comply with those standards.

Cesar Bolivar	7470 N Port Washington Rd
Homeowner's Name – PRINTED	Property Address
	June 27, 2023
Homeowner's Signature	Date

Rev 09/20

Bestway
Power Steel

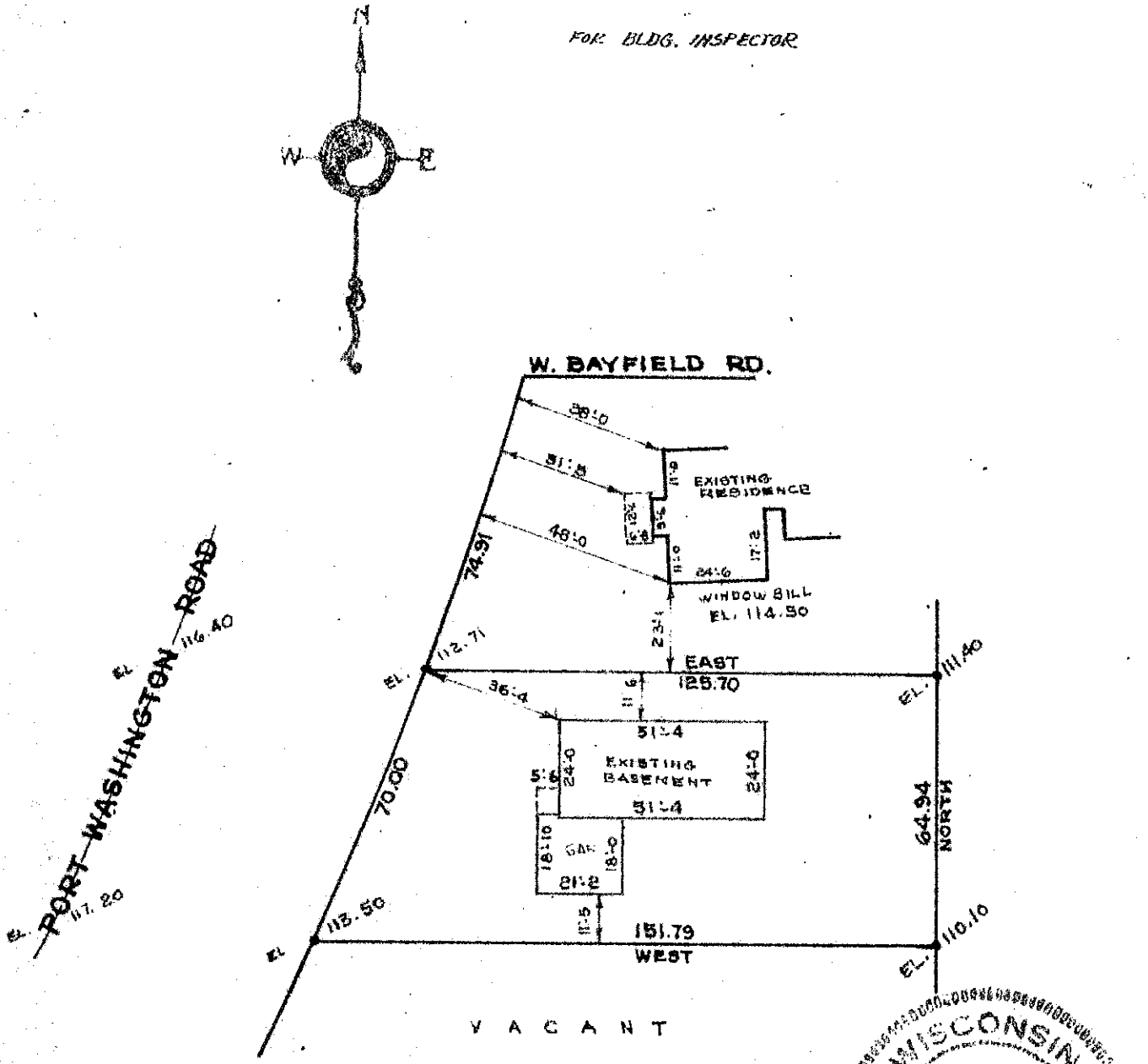
Plat No. 71277

PLAT OF SURVEY

Parcel No. 2 in CERTIFIED SURVEY MAP NO. 35, being a resubdivision of Lots 1, 2 and 3 in Block 3 in Bay Shore Manor, being a subdivision of a part of the Southeast 1/4 of Section 17, Town 8 North, Range 22 East, Village of Fox Point, Milwaukee County, Wisconsin

Survey made for R.A. Knaack Constr.

FOR BLDG. INSPECTOR

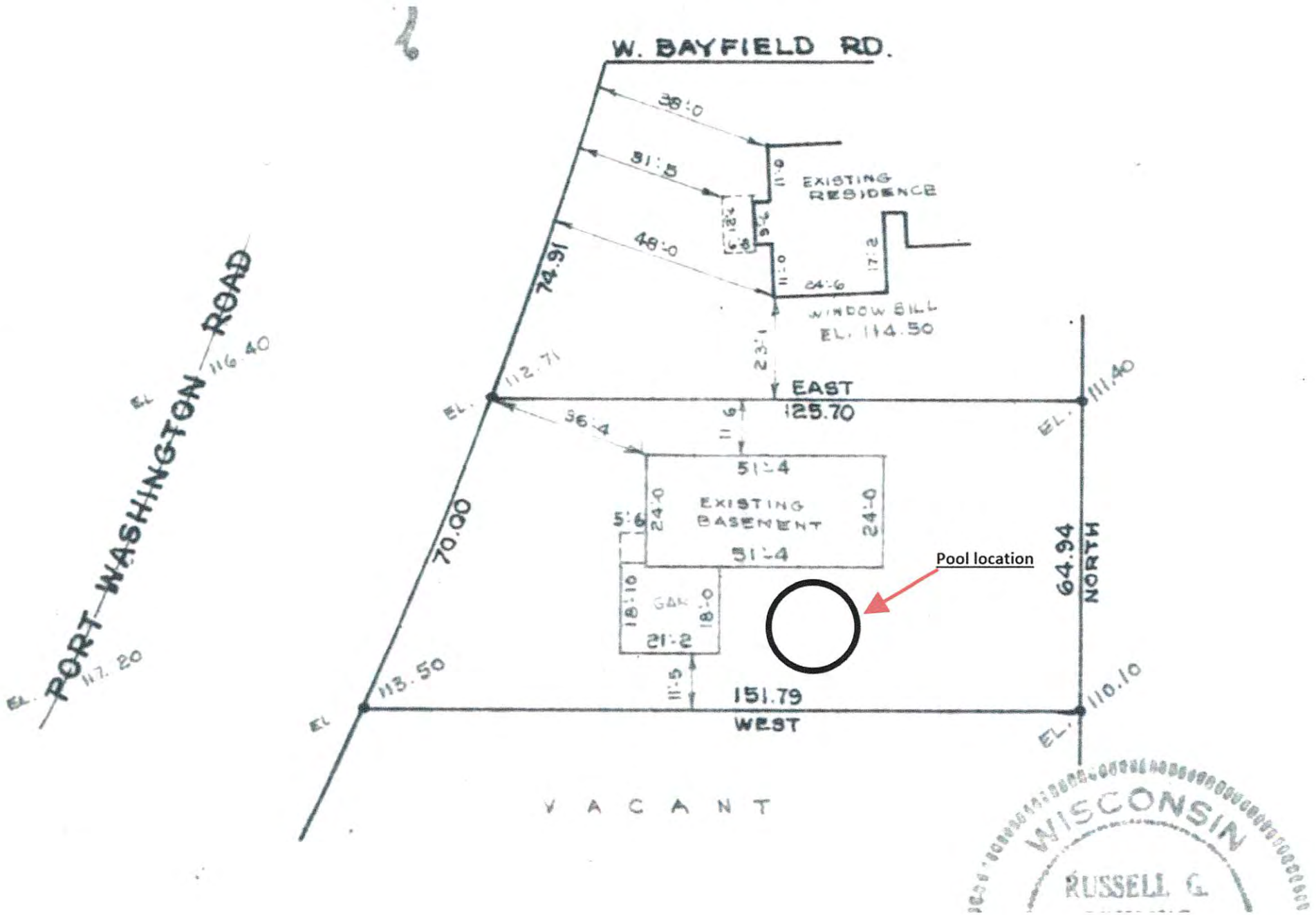


Top of wall El. 118.32

WISCONSIN
RUSSELL G. BEHLING
MILWAUKEE, WIS.
LAND SURVEYOR

STATE OF WISCONSIN } SS
COUNTY OF MILWAUKEE }

3478 N. PORT WASH. RD.


W. BAYFIELD RD.
38'-0
31'-5
48'-0
74.91
11'-9
EXISTING RESIDENCE
5'-4
6'-8
11'-0
64'-6
17'-2
WINDOW SILL EL. 114.50
23'-1
EAST
125.70
EL. 112.71
EL. 111.40
36'-4
51'-4
EXISTING BASEMENT
24'-0
5'-6
24'-0
51'-4
GAR.
18'-10
18'-0
21'-2
Pool location
70.00
64.94
NORTH
11'-5
151.79
WEST
EL. 113.50
EL. 110.10
EL. 116.40
EL. 117.20
PORT WASHINGTON ROAD
V A C A N T
WISCONSIN
RUSSELL G.

Area Distance

1686.39 ft^2

Total Area: **1686.39 ft^2**

Total area of the concrete slab is a circle with a diameter of 19 ft total area will be 284ft^2.

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 A1, 55

BUILDING PERMIT

Job Address 1030 East Thorne Lane, Fox Point WI 53217	**Building Type:** Residential ☑ Commercial ☐
Description of Work	
To build wooden shed - 12' x 20' x 9'7"	
Estimated Cost of Project $ $7,641.00	

Owner/Occupant Daniel and Molly Meyers	
Business Name	Contact Name Daniel Meyers
Address 1030 East Thorne Lane	City/State/Zip Fox Point WI 53217
Phone 847-677-3266	Email dmeyers1@gmail.com

Cautionary Statement required when homeowner is applying for permit*

Contractor	
Company Name Tuff Shed	Contact Name Michelle Tate
Address 11039 Gage Ave	City/State/Zip Franklin Park, IL 60131
Phone 847-576-0157	Email mtate@tuffshed.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	76.41
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	**$70.00**	
Payable to: Village of Fox Point **Total Permit Fee**	**$** 151.41	

Applicant Signature _____ **Date** 6/28/23

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: 1.059336 Jun 28, 2023

1030 E Thorne Ln

Previous Balance:	.00
LICENSES & PERMITS - BUILDING PERMIT	151.41
24-44460 BUILDING PERMIT	
Total:	151.41
CHECK Check No: 1520	151.41
Payor: Meyers	
Total Applied:	151.41
Change Tendered:	.00

06/28/2023 2:52 PM

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

CAUTIONARY STATEMENT TO OWNERS OBTAINING BUILDING PERMITS

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(a) The owner may be held liable for any bodily injury to or death of others or for any damage to the property of others that arises out of the work performed under the building permit or that is caused by any negligence by the contractor that occurs in connection with the work performed under the building permit.

(b) The owner may not be able to collect from the contractor damages for any loss sustained by the owner because of a violation by the contractor of the one- and two- family dwelling code or an ordinance enacted under sub. (1)(a), because of any bodily injury to or death of others or damage to the property of others that arises out of the work performed under the building permit or because of any bodily injury to or death of others or damage to the property of others that is caused by any negligence by the contractor that occurs in connection with the work performed under the building permit.

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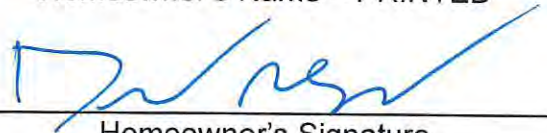
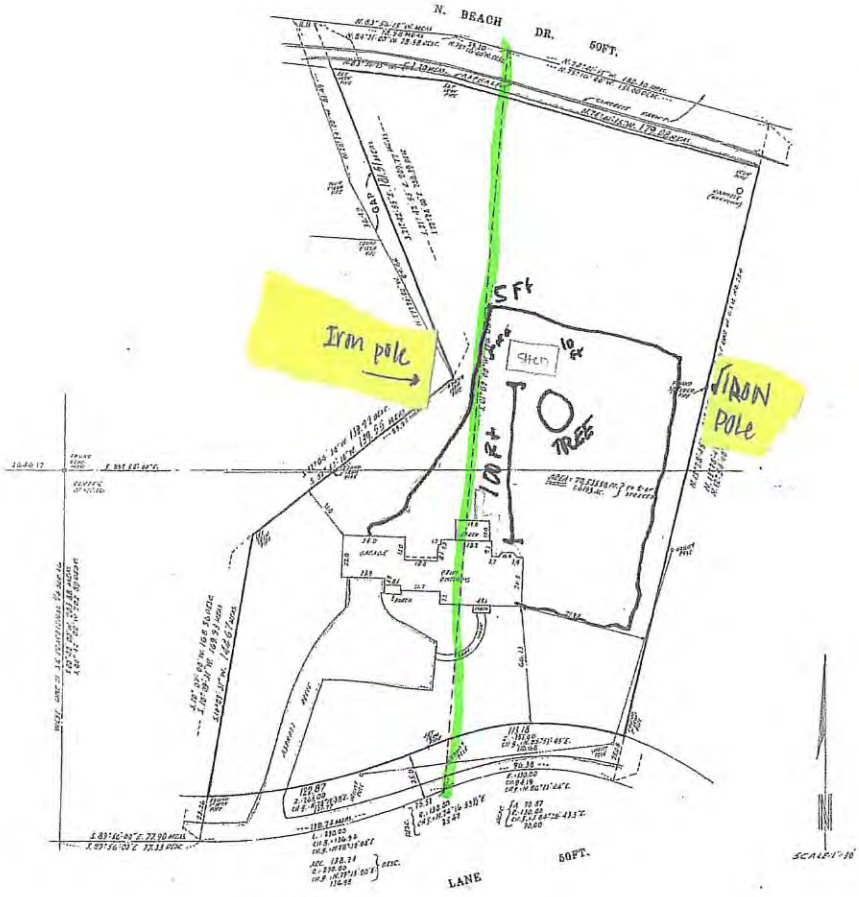
Additional Responsibilities for Owners of Projects Disturbing One or More Acre of Soil

I understand that this project is subject to ch. NR 151 regarding additional erosion control and stormwater management and will comply with those standards.

Daniel Meyers	1030 East Thorne Lane, Fox Point WI 53217
Homeowner's Name – PRINTED	Property Address
	6/28/23
Homeowner's Signature	Date

Rev 09/20

PLAT OF SURVEY



KNOWN AS 1930 EAST THORN LANE, VILLAGE OF FOX POINT, WISCONSIN.

ALL THAT PART OF LOTS 7 AND 9 LYING IN THE NORTHEAST FRACTIONAL 1/4 AND THE SOUTHEAST FRACTIONAL 1/4 OF SECTION 16, TOWNSHIP 8 NORTH, RANGE 22 EAST, IN THE VILLAGE OF FOX POINT, MILWAUKEE COUNTY, WISCONSIN, BOUNDED AND DESCRIBED AS FOLLOWS: COMMENCING AT A POINT WHICH IS 202.89 FEET SOUTH 00°42'00" WEST OF AND 77.33 FEET SOUTH 89°39'00" EAST OF THE CENTER OF SECTION 16, SAID POINT BEING IN THE CENTERLINE OF A PRIVATE ROAD OF THE CALUMET LAND COMPANY; THENCE EASTERLY 138.24 FEET ALONG A CURVED LINE WHOSE RADIUS IS 250.00 FEET AND WHOSE CENTER IS TO THE NORTH (THE LONG CHORD OF WHICH CURVE BEARS SOUTH 79°15'00" EAST 136.98 FEET) TO A POINT; THENCE EASTERLY 25.51 FEET ALONG A CURVED LINE WHOSE RADIUS IS 130.00 FEET AND WHOSE CENTER IS TO THE SOUTH (THE LONG CHORD OF WHICH CURVE BEARS NORTH 74°14'53 1/2" EAST 25.47 FEET) SAID LAST 2 DESCRIBED CURVED LINES BEING ON AND ALONG THE CENTERLINE OF A PUBLIC ROAD 50.00 FEET IN WIDTH KNOWN AS EAST THORNE LANE AND THAT PORTION OF SAID 50.00 FOOT STRIP LYING WITHIN THE BOUNDARIES OF THE PREMISES HEREBY DESCRIBED HAVING BEEN RESERVED FOR HIGHWAY PURPOSES TO THE POINT OF BEGINNING OF THE PROPERTY TO BE DESCRIBED; THENCE EASTERLY 70.93 FEET ALONG A CURVED LINE WHOSE RADIUS IS 130.00 FEET AND WHOSE CENTER IS TO THE SOUTH (THE LONG CHORD OF WHICH BEARS SOUTH 84°28'43 1/2" EAST 70.00 FEET) TO A POINT, SAID LAST DESCRIBED CURVED LINE BEING ALONG THE CENTERLINE OF SAID EAST THORN LANE; THENCE NORTH 12°54'00" EAST 374.45 FEET (FORMERLY DESCRIBED AS NORTH 12°41'00" EAST 377.21 FEET) TO A POINT IN THE CENTERLINE OF A PUBLIC HIGHWAY KNOWN AS NORTH BEACH ROAD, THENCE NORTH 75°16'00" WEST 131.00 FEET TO A POINT, SAID LAST DESCRIBED COURSE BEING ON AND ALONG THE CENTERLINE OF AFORESAID PUBLIC HIGHWAY 59.69 FEET IN WIDTH; THENCE SOUTH 61°02'00" WEST 508.68 FEET TO THE POINT OF BEGINNING. CONTAINING 0.9665 ACRES OF LAND MORE OR LESS.

ALSO ALL THAT PART OF LOTS 7 AND 9 LYING THE NORTHEAST FRACTIONAL 1/4 AND THE SOUTHEAST FRACTION 1/4 OF SECTION 16, TOWNSHIP 8 NORTH, RANGE 22 EAST, IN THE VILLAGE OF FOX POINT, MILWAUKEE COUNTY, WISCONSIN, WHICH IS BOUNDED AND DESCRIBED AS FOLLOWS: COMMENCING AT A POINT WHICH IS 202.89 FEET SOUTH 00°42'00" WEST OF AND 77.33 FEET SOUTH 89°39'00" EAST OF THE CENTER OF SECTION 16, SAID POINT BEING IN THE CENTERLINE OF A PRIVATE ROAD OF THE CALUMET LAND COMPANY; THENCE EASTERLY 138.24 FEET ALONG A CURVED LINE WHOSE RADIUS IS 250.00 FEET AND WHOSE CENTER IS TO THE NORTH (THE LONG CHORD OF WHICH CURVE BEARS NORTH 79°15'00" EAST 136.98 FEET) TO A POINT; THENCE EASTERLY 25.51 FEET ALONG A CURVED LINE WHOSE RADIUS IS 130.00 FEET AND WHOSE CENTER IS TO THE SOUTH (THE LONG CHORD OF WHICH CURVE BEARS NORTH 74°14'53 1/2" EAST 25.47 FEET), TO A POINT, SAID LAST 2 DESCRIBED CURVED LINES BEING ON AND ALONG THE CENTERLINE OF PUBLIC ROAD 50.00 FEET IN WIDTH KNOWN AS EAST THORN LANE AND THAT PORTION OF SAID 50.00 FOOT STRIP LYING WITHIN THE BOUNDARIES OF THE PREMISES HEREBY DESCRIBED HAVING BEEN RESERVED FOR HIGHWAY PURPOSES, THENCE NORTH 61°02'00" EAST 508.68 FEET TO A POINT IN THE CENTERLINE OF A PUBLIC HIGHWAY KNOWN AS NORTH BEACH ROAD; THENCE NORTH 75°16'00" WEST 29.30 FEET TO A POINT; THENCE NORTH 81°31'08" WEST 78.28 FEET TO A POINT, SAID LAST 2 DESCRIBED COURSES BEING ON AND ALONG THE CENTERLINE OF THE AFORESAID PUBLIC HIGHWAY 59.69 FEET IN WIDTH; THENCE SOUTH 21°29'08" EAST 259.39 FEET (FORMERLY DESCRIBED AS SOUTH 20°29'00" EAST 259.71 FEET) TO A POINT; THENCE SOUTH 12°01'38" WEST 109.22 FEET (FORMERLY DESCRIBED AS SOUTH 12°00'00" WEST 110.00 FEET) TO A POINT, THENCE SOUTH 18°07'05" WEST 169.36 FEET TO THE POINT OF COMMENCEMENT. CONTAINING 0.9565 ACRES OF LAND MORE OR LESS.

FEBRUARY 14, 1977

JOSEPH BALISTRERI

SURVEY NO. 049625-MS

How many Ft from the Fence
from the rear 10 sqft
left 5 sqft
right 50 sqft
House 100 sq ft

How many Ft from Iron poles (if you can) from left to right.

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 LOCATIONS 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.

National Survey & Engineering

DONALD C. CHIPUT, REGISTERED WISCONSIN LAND SURVEYOR

WISCONSIN DONALD C. CHIPUT S-2218 BROOKFIELD, WI LAND SURVEYOR

Map Title

Legend

Parcels

Tax Parcels

Parcels with Plats of Survey

Cadastral

Parcel Dimension Labels

Note

ParcelDimension

<all other values>

Parcel Key Labels

Note

ParcelKey

<all other values>

Carto Line Labels

CivilDivision

Easement

Note

<all other values>

Condo Labels

CondoName

CondoPhase

Note

<all other values>

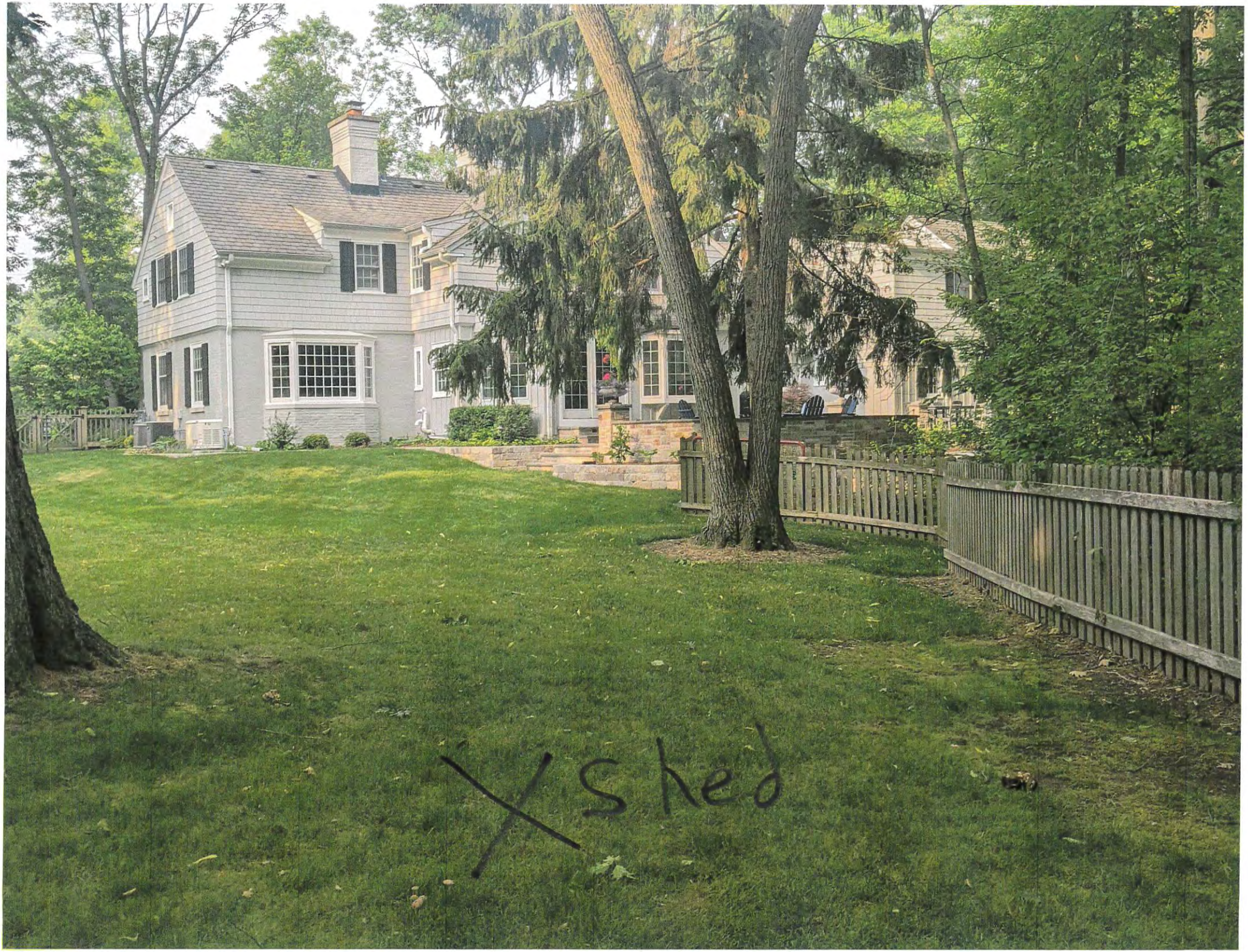
CSM Labels

Notes

0 45 90 ft

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

MILWAUKEE COUNTY GIS AND LAND INFORMATION

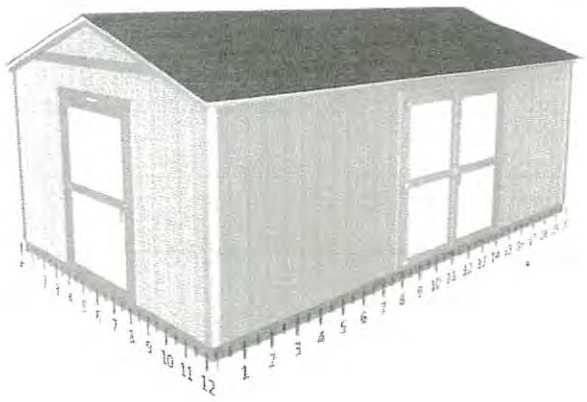

X Shed

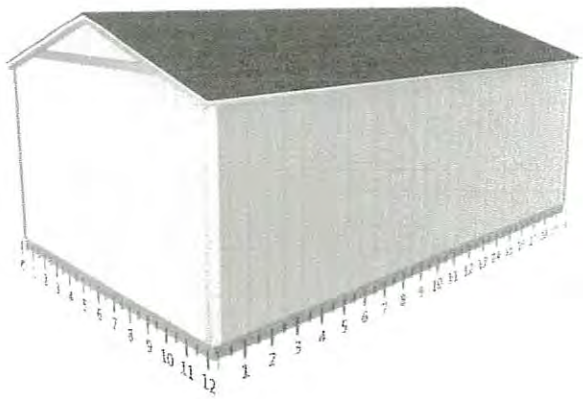
+ Shed

DocuSign Envelope ID: 58A2837A-1A17-495B-9607-A56F4BEA87C9

TUFF SHED

Daniel Meyers
1030 East Thorne Lane
Fox Point WI 53217
Q6956282-6944088





Wall D

Wall A

Wall C

Wall B

Base Details

Building Size & Style
TR-700 - 12' wide by 20' long

Door
4' x 6'2" Single Shed Door, Left Hinge Placement

Paint Selection
Base: Tundra Frost, Trim: Delicate White, Accent (Doors): Tundra Frost

Roof Selection
Weathered Gray 3 Tab

Drip Edge
White

Is a permit required for this job?
Yes

Who is pulling the permit?
Tuff Shed

Options Details

Doors
3' x 6'2" Double Door (6')

Floor and Foundation
8 Ea Shed Anchor into Dirt - Auger or MR88

Interior
20 Lin Ft Shelving - 16" deep

Shelving Locations
Shelving on Side D at 39".

Jobsite/Installer Details

Do you plan to insulate this building after Tuff Shed installs it?
No

Is there a power outlet within 100 feet of installation location?
No

The building location must be level to properly install the building. How level is the install location?
Within 4" of level

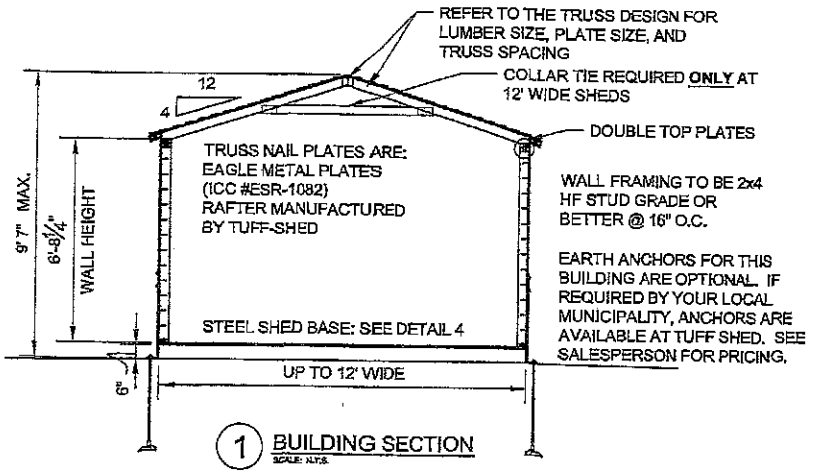
Will there be 18" of unobstructed workspace around the perimeter of all four walls?
Yes

Can the installers park their pickup truck & trailer within approximately 200' of your installation site?
Yes

Substrate Shed will be installed on?
Grass

Signature: DocuSigned by: Daniel Meyers ADA84B7CA93B4D2... Date: 4/19/2023

TR-700 SHED UP TO 12' WIDE x UP TO 20' LONG
SUNDANCE SERIES



1 BUILDING SECTION
SCALE: N.T.S.

NOTES:

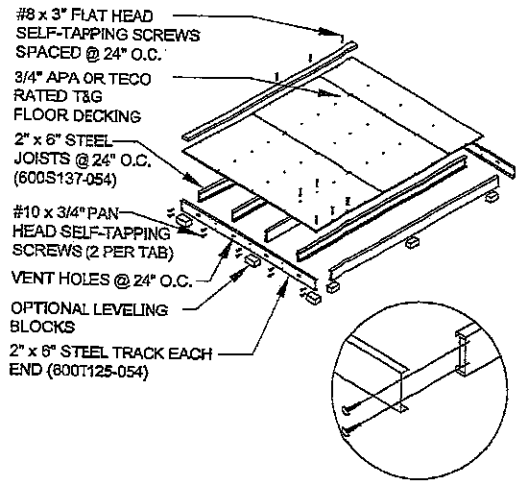
1. BUILDING CODE: 2019 CBC AND 2019 CRC
2. DESIGN LOADING:
   WIND SPEED & EXPOSURE: 100C
   ROOF LIVE LOAD: 40 PSF
   ROOF DEAD LOAD: 10 PSF
3. FOR SHEDS WHICH OTHERWISE MEET THE PRESCRIPTIVE REQUIREMENTS OF THE 2019 CBC AND 2019 CRC ALL SHEDS CONSTRUCTED ACCORDING TO STANDARD CONVENTIONAL CONSTRUCTION METHODS.

NAILING:

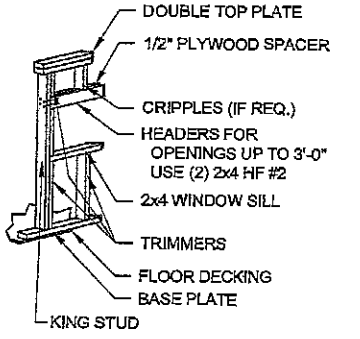
ROOF:
ATTACH 7/16" OSB SHEATHING TO TRUSSES WITH:
8d NAILS @ 6" O.C. AT EDGES
8d NAILS @ 12" O.C. IN FIELD

WALLS:
ATTACH 3/8" SMARTSIDE TO WALL FRAMING WITH:
8d NAILS @ 6" O.C. AT EDGES.
8d NAILS @ 12" O.C. IN FIELD

HEADER:
ATTACH HEADER TO STUD WITH:
4-8d TOENAIL OR 4-16d END NAIL DOUBLED HEADER-16d @ 16" STAGGERED FACE NAIL

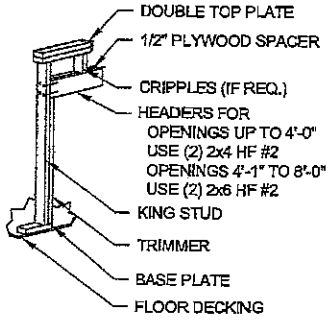


1. STEEL SHED FOUNDATION:
   2" x 6"-16 GAUGE STEEL TRACKS G140 ZINC COATED
   2" x 6"-16 GAUGE STEEL JOISTS G140 ZINC COATED @ 24" O.C.
   (SUPPLIER: ALLIED STUDCO (JOIST: 600S137-054 / TRACK: 600T125-054) ICC ER-4943P.
2. 3/4" APA OR TECO RATED TONGUE AND GROOVE FLOOR DECKING. 24" MAX PANEL SPAN. STAGGER PANEL LAYOUT.
3. FASTEN FLOOR DECKING TO JOIST & TRACKS USING #8 x 1-5/8" MINIMUM LONG SELF-DRILLING SCREWS @ 12" O.C. NO BLOCKING REQUIRED. ALL EDGES SHALL LIE ON FLOOR JOISTS. STAGGER PANEL LAYOUT PER APA CONDITION 1.
4. FASTEN SOLE PLATE THROUGH FLOOR DECKING INTO JOISTS OR TRACKS WITH #8 x 3" GALVANIZED SELF-DRILLING SCREWS @ 24" O.C.
5. ALLOWABLE FLOOR LIVE LOAD: 75 PSF FOR STEEL JOISTS CONTINUOUSLY SUPPORTED. 50 PSF FOR JOISTS ON BLOCKS AS SHOWN.
6. USE OPTIONAL CONCRETE BLOCKS AS REQUIRED TO LEVEL BUILDING:
   SUGGESTED SIZES: 2" x 8" x 16", 4" x 8" x 16", OR 8" x 8" x 16".
   BLOCKS UNDER JOISTS SPACED @ 8'-0" O.C. MAXIMUM.
   BLOCKS UNDER TRACK SPACED @ 4'-0" O.C. MAXIMUM.



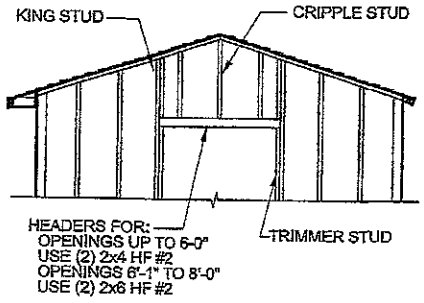
FOR WINDOW OPENINGS UP TO 3'-0" ON SUNDANCE SERIES SIDE WALLS

2A WINDOW HEADER DETAIL FOR LOAD BEARING WALLS
SCALE: N.T.S.



FOR OPENINGS UP TO 8'-0" DN SUNDANCE SERIES SIDE WALLS

2B DOOR HEADER DETAIL FOR LOAD BEARING WALLS
SCALE: N.T.S.



3 HEADER DETAIL FOR NON-LOAD BEARING WALLS
SCALE: N.T.S.

4 SHED BASE DETAIL
SCALE: N.T.S.

TUFF SHED
Storage Buildings & Garages
TUFF SHED, INC.

Order #:
Customer:
Site Address:
Building Size: WIDTH - LENGTH - HEIGHT - SQ. FT. AREA

P.O. #
Drawn By: SJ
Date: 2/10/22
Checked By:
Date:
Scale: N.T.S.

THESE DRAWINGS AND THE DESIGN ARE THE PROPERTY OF TUFF SHED, INC. THESE DRAWINGS ARE FOR A BUILDING TO BE SUPPLIED AND BUILT BY TUFF SHED. ANY OTHER USE IS FORBIDDEN BY TUFF SHED INC & THE ENGINEER OF RECORD.

DRAWINGS BY:
TUFF SHED, INC.
IN HOUSE DRAFTING DEPARTMENT
1777 S. HARRISON STREET
DENVER, COLORADO 80210
(303) 753-TUFF

TUFF SHED INC. ASSUMES ALL RESPONSIBILITY FOR THE CONTENT OF THESE DRAWINGS AND THE CONSTRUCTION OF THE BUILDINGS SHOWN HEREIN.

TITLE
BUILDING SECTIONS
SHED BASE DETAILS
HEADER FRAMING DETAILS
2019 CBC & CRC - 100C

DRAWING NO. TR700-01
REV. LEVEL 01
SHEET 1
PAGE 1 OF 1

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 L, 60'

BUILDING PERMIT

Job Address 8131 N Navajo Rd, Fox Point, WI 53217	**Building Type:** Residential ☑ Commercial ☐
Description of Work	
18x16 deck	
5H - 12L - 16W Deck	
Estimated Cost of Project $ 3000	

Owner/Occupant	
Business Name N/A	Contact Name Daniel/Leah Villanueva
Address 8131 N Navajo	City/State/Zip Fox Point, WI 53217
Phone 414-573-9881	Email danielvillanueva12@gmail.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

Description		**Rate**	**Amount**
Project - Per $1,000 of estimated cost		$10.00	30.00
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**	$175.00

Applicant Signature Daniel Villanueva **Date** 6/20/2023

Rev 01/22

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

Receipt No: 3.116109 Jun 29, 2023

8131 N Navajo Rd

Previous Balance:	.00
LICENSES & PERMITS	
BUILDING PERMIT	175.00
24-44460	
BUILDING PERMIT	
Total:	175.00
CHECK	
Check No: 1401	175.00
Total Applied:	175.00
Change Tendered:	.00

06/29/2023 8:39 AM

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

CAUTIONARY STATEMENT TO OWNERS OBTAINING BUILDING PERMITS

101.65(1r) of the Wisconsin Statutes requires municipalities that enforce the Uniform Dwelling Code to provide an owner who applies for a building permit with a statement advising the owner that:

If the owner hires a contractor to perform work under the building permit and the contractor is not bonded or insured as required under s. 101.654(2)(a), the following consequences might occur:

(a) The owner may be held liable for any bodily injury to or death of others or for any damage to the property of others that arises out of the work performed under the building permit or that is caused by any negligence by the contractor that occurs in connection with the work performed under the building permit.

(b) The owner may not be able to collect from the contractor damages for any loss sustained by the owner because of a violation by the contractor of the one- and two- family dwelling code or an ordinance enacted under sub. (1)(a), because of any bodily injury to or death of others or damage to the property of others that arises out of the work performed under the building permit or because of any bodily injury to or death of others or damage to the property of others that is caused by any negligence by the contractor that occurs in connection with the work performed under the building permit.

Wetlands Notice to Permit Applicants

You are responsible for complying with state and federal laws concerning the construction near or on wetlands, lakes, and streams. Wetlands that are not associated with open water can be difficult to identify. Failure to comply may result in removal or modification of construction that violates the law or other penalties or costs. For more information, visit the Department of Natural Resources wetlands identification web page or contact a Department of Natural Resources service

Additional Responsibilities for Owners of Projects Disturbing One or More Acre of Soil

I understand that this project is subject to ch. NR 151 regarding additional erosion control and stormwater management and will comply with those standards.

Daniel Villanueva	8131 N Navajo Rd
Homeowner's Name – PRINTED	Property Address
Daniel Villanueva	6/20/2023
Homeowner's Signature	Date

Rev 09/20

3D view

8131 N Navajo

Deck Planner Software™ Report

All lengths, areas, weights, masses and structural forces are expressed in U.S. Customary units unless otherwise specified.

This report was created 6/26/2023 8:17 PM by Deck Planner Software™

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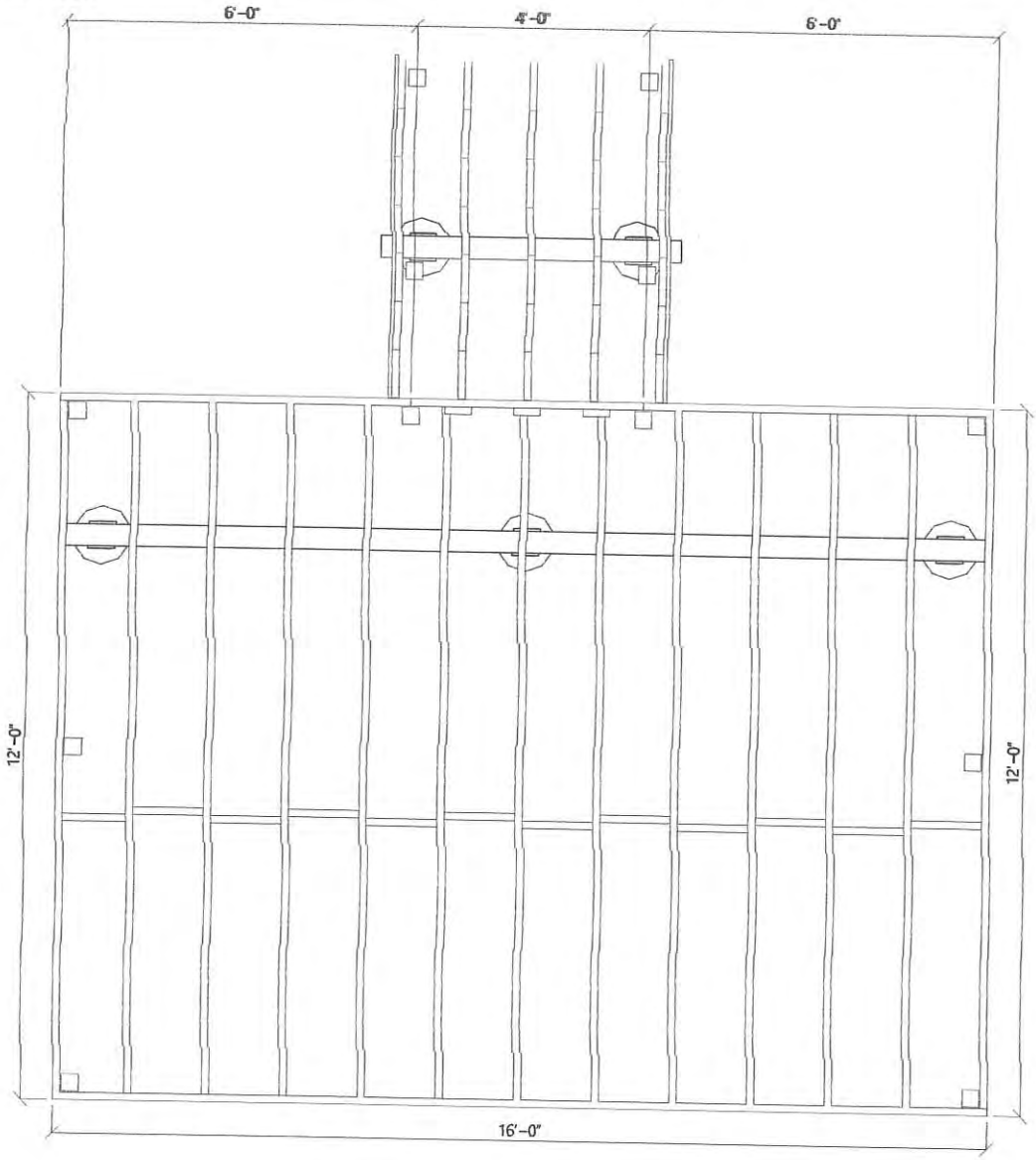
Your Planned Deck Design

Plan view construction



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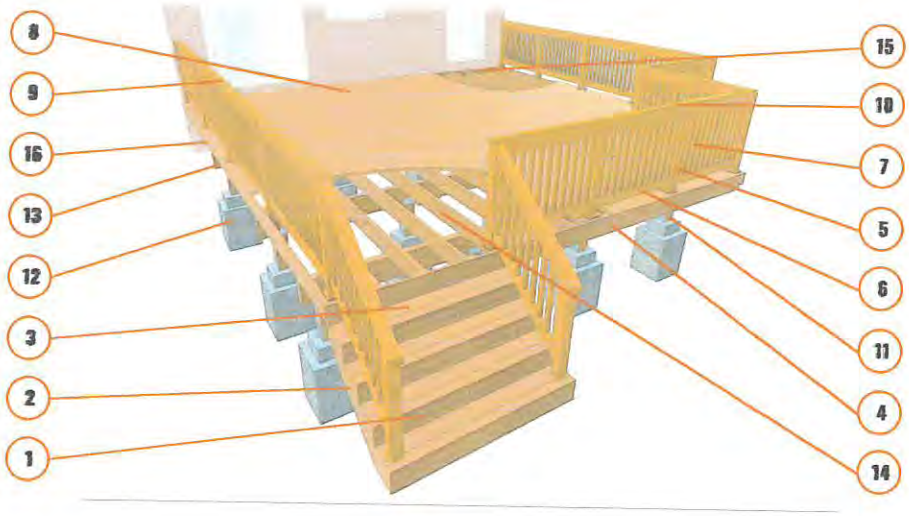
Glossary of Decking Terms



1. Risers: The vertical boards attached to the stair stringers. Many localities require risers to prevent possible trip hazards.

2. Stringers: The structural support for stairs. They have limits on how much weight they can carry, so size and spacing are important considerations. Composite manufacturers provide recommended stringer spacing to support the tread material.

3. Treads: The horizontal stair surfaces on which deck users walk.

4. Rim Joist: Also known as edge bands, the rim joist wraps the deck and keeps the joists standing on edge, while also providing a solid surface for attaching railing posts. Proper attachment is critical to installing a safe railing.

5. Rail Post: Vertical lumber member that supports the handrail and resists the outward force of people leaning on the railings.

6. Bottom Rails: Lumber members that connect to the rail posts and provide a solid surface for securing the infills.

7. Infills: Also known as balusters or pickets, the infills are connected to the top and bottom rails and provide a barrier against falls.

8. Decking: When properly attached to each joist and rim joist, the decking surface helps unify the entire structure.

9. Rail Cap: Much like the decking, the rail cap unifies the railing system and provides a decorative feature.

10. Top Rails: These members have the same stabilizing function as the bottom rails.

11. Post: Vertical structural member that supports the beams and attaches the deck to the footings using a post base.

12. Footing: Concrete element that serves as the foundation of the deck.

13. Beams: Structural members that support the decking floor joists. Beams are made of doubling 2x material and can be installed as a laminate, sandwiched, or notched into the post.

It is important to have a post of sufficient size and strength to support the beam. The beam should not be any wider than the thickness of the post, and should be secured with the correct post cap.

14. Joists: Wood members installed across the beams and spaced to accommodate the decking material. The joist spacing may depend on the angle at which the deck boards are applied.

15. Ledger: The ledger is a crucial connection because it attaches the deck to the house. The material used to construct the house may determine the type of connection. Consult local building officials on the recommended connection.

16. Fascia: Vertical boards that face outwards from the edges of the deck, attached to the rim joists. Fascia boards typically consist of a lumber species that matches the appearance of the decking material.

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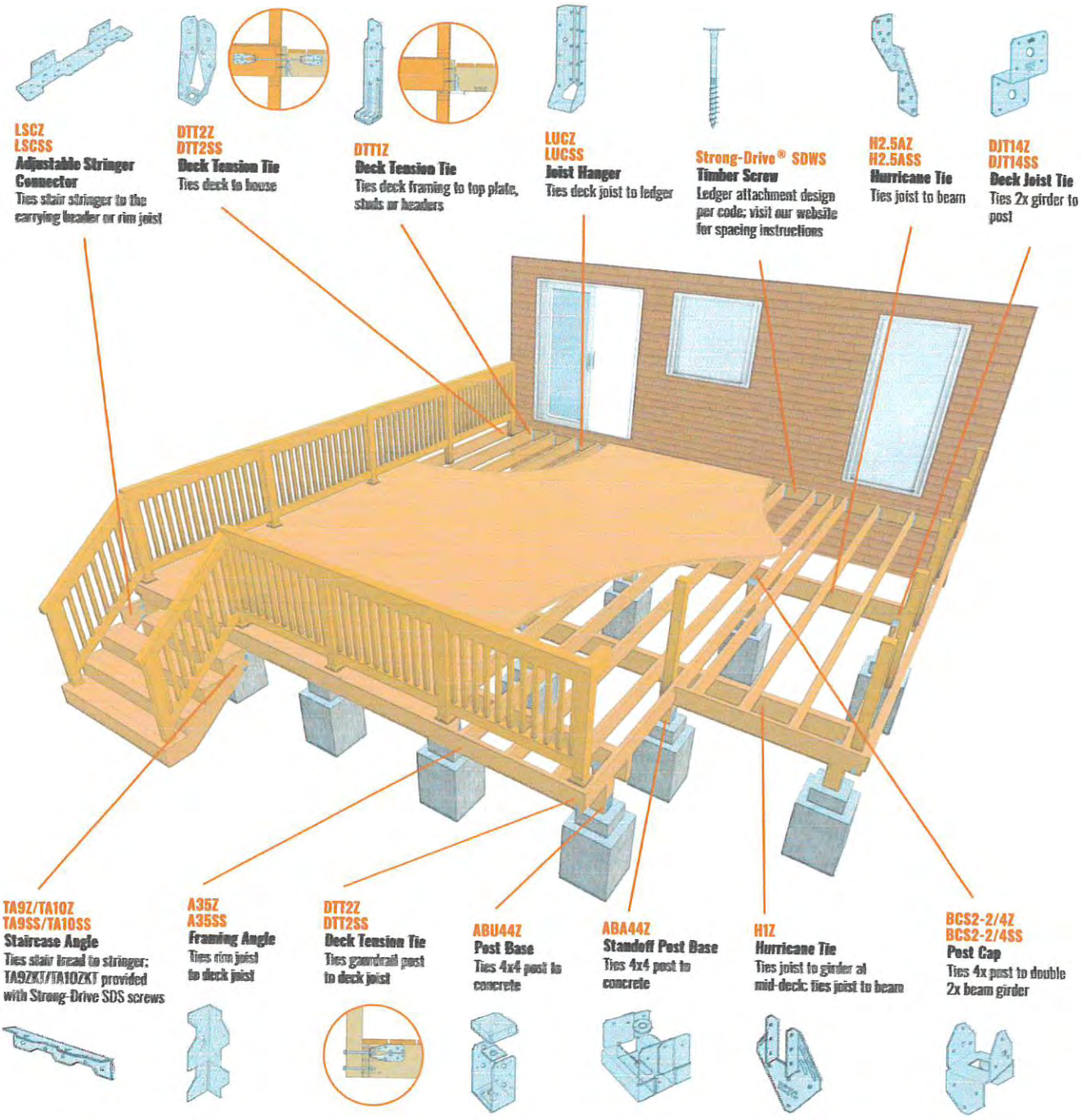
A Complete Connector System for Building Safer, Code-Compliant Decks



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Installation Considerations

Building Code and Zoning Requirements

Check deed restrictions, building codes and zoning laws to make sure your deck complies. The local building jurisdiction will require a minimum setback from property lines. Check with local utility companies to make sure deck construction will not disturb underground piping or wiring (**dial 811 before you dig**).

A resource for general residential deck codes and building practices is the Prescriptive Residential Deck Construction Guide, by the American Wood Council (free download from www.awc.org).

The local building jurisdiction should be consulted to verify any building code requirements specific to the area.

Deck Function

While planning your deck, consider how it will be used. Sun/shade areas and possible views are common considerations.

Lumber

Pressure- or preservative-treated lumber, or lumber that is naturally decay resistant, should be used for durability. Cut edges should be field-treated with preservative.

Fasteners and Connectors

To resist corrosion, fasteners and connectors in contact with treated lumber should be ZMAX®, hot-dip galvanized (HDG) or made with stainless steel.

Consult with the building code, the preservative treatment manufacturer and strongtie.com to get recommendations for your conditions. Fasteners and connectors should be made of the same material (i.e. both of them galvanized, both of them HDG or both in stainless steel).

Ledger

Proper corrosion-resistant flashing should be installed between a deck ledger and the house. The ledger should be installed directly to the framing, with any siding removed.

Deck Area and Footing Layout

Batter boards (temporary wood supports, such as 2x4s), mason's string and a plumb bob can be used to lay out the deck area and footings. For a rectangular shape, the corners will be square when the lengths of the two diagonals are equal.

Footings

Holes for footings will need to be dug to a depth below the frost line.

Post Bracing

Diagonal bracing between posts and joists/beams should be installed according to the building code.

Posts and Beams

Allow an additional margin in length to the posts. Determine the desired deck floor height on the post and then cut to the appropriate length.

Attaching Joists

Attach joists to the ledger board with joist hangers.

Laying Decking

Drill pilot holes into the ends of boards to prevent splitting. Allow space between boards.

Guardrails

Guardrails must be adequately attached to the framing members of the deck. The building code has limits on the size of openings that are permitted in the guard system.

Stairs and Handrails

Stairs should be at least 36" wide. The building code has limits on the size of openings in a flight of stairs and specific directions for providing handrails.

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Tools Required

The checklist provided should be used as a quick guide only,
and we highly recommend consulting some additional resources listed here:
www.strongtie.com/solutions/deckcenter

Concrete Work

- Pick
- Post hole digger
- Shovel
- Wheelbarrow
- Hoe and hose (to mix concrete)
- Tamper

Concrete Layout

- Stakes or batter boards
- String
- Transit

Safety

- Eye Protection
- Hearing protection
- Dust mask
- Gloves
- Kneepads

Wood Work

- Extension cord
- Circular saw
- Drills and bits
- Hammer
- Nail set
- Chisel
- Handsaw
- Ladder
- Mallet
- Tool belt

Wood Layout

- Tape measure
- Squares: Rafter/Speed, Framing
- Level/Levels
- Chalk line
- Pencils
- Plumb bob

Tips for the DIYer

- When cutting or drilling, always wear eye protection to prevent injury from flying particles.
- If cutting pressure treated material, wearing a fabric breathing mask will help to avoid ingestion of the dust.
- Wear gloves to protect from splinters.
- Invest in a pair of kneepads if you are doing floor jobs or working on a deck.
- Dispose of scraps in the regular trash or take to a landfill - do not burn pressure treated materials.

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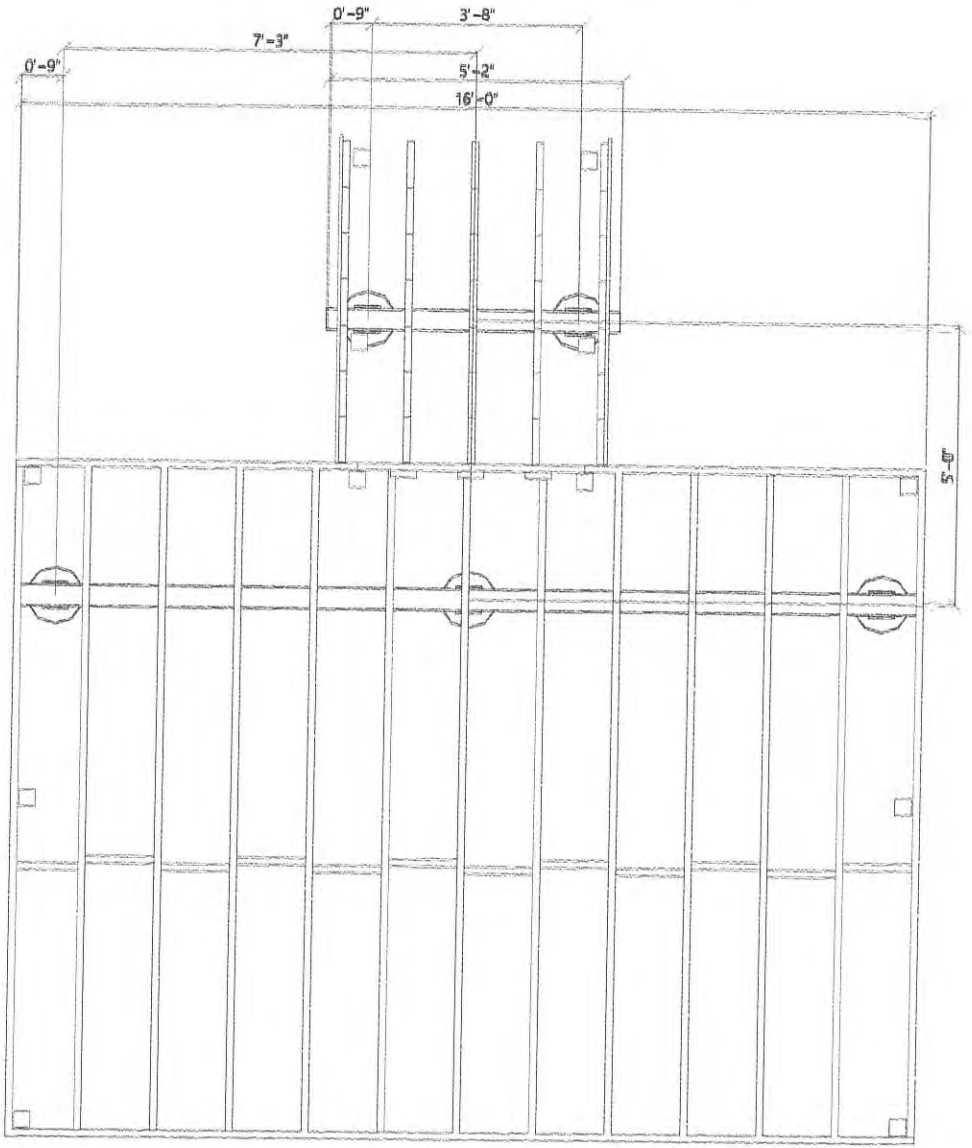


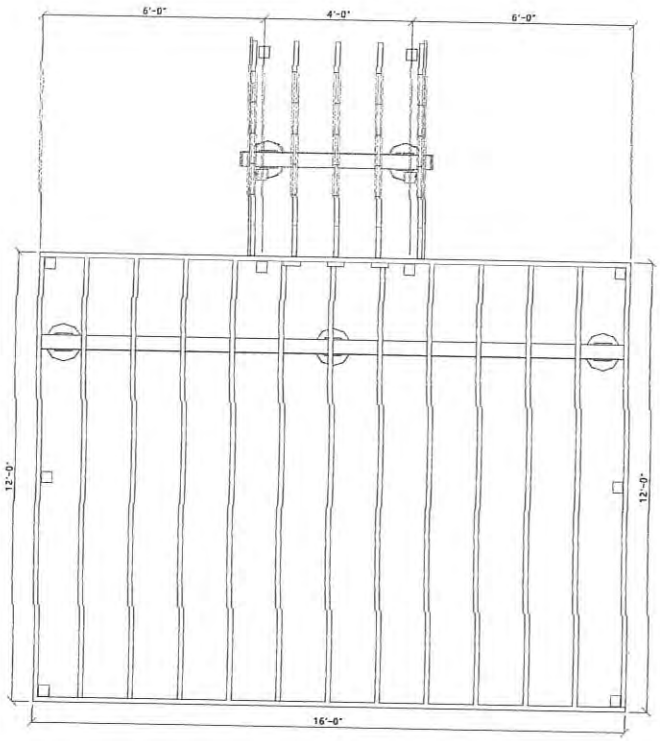
SIMPSON Strong-Tie

NOTES FROM THE CUSTOMER	DESIGN TITLE: 8131 N NAVAJO	DRAWING: PLAN VIEW DRAWING, LEVEL 1		JOB ID
	CUSTOMER NAME: Daniel Villanueva	SCALE: NOT TO SCALE	CHECKED BY	
	CUSTOMER EMAIL ADDRESS: danielvillanueva12@gmail.com	DATE: 6/26/2023 8:17 PM	CHECK DATE	PAGE: 7
THIS DRAWING WAS GENERATED BY DECK PLANNER SOFTWARE™	CUSTOMER PHONE NUMBER	CREATED BY		STORE

Permit Info

Plan view construction (blocking not shown for clarity)

LEVEL 1



Structural Information: Level 1

Height of level (top of decking)	60"
Max. joist span	113 3/4"
Max. joist cantilever	27 1/4"
Max. beam span	87 1/4"
Max. beam cantilever	6"
Footing depth	48"
Footing area (ea.)	9 1/2" ft²
Designed live load	40 lb/ft²
Designed dead load	10 lb/ft²

Deck and Post Height

Your design height is 60" from the top of the decking to the ground level. The top of the deck support posts will therefore be 37" above ground level.

Joists

Set joists on top of beams, 16" center-to-center.

www.strongtie.com

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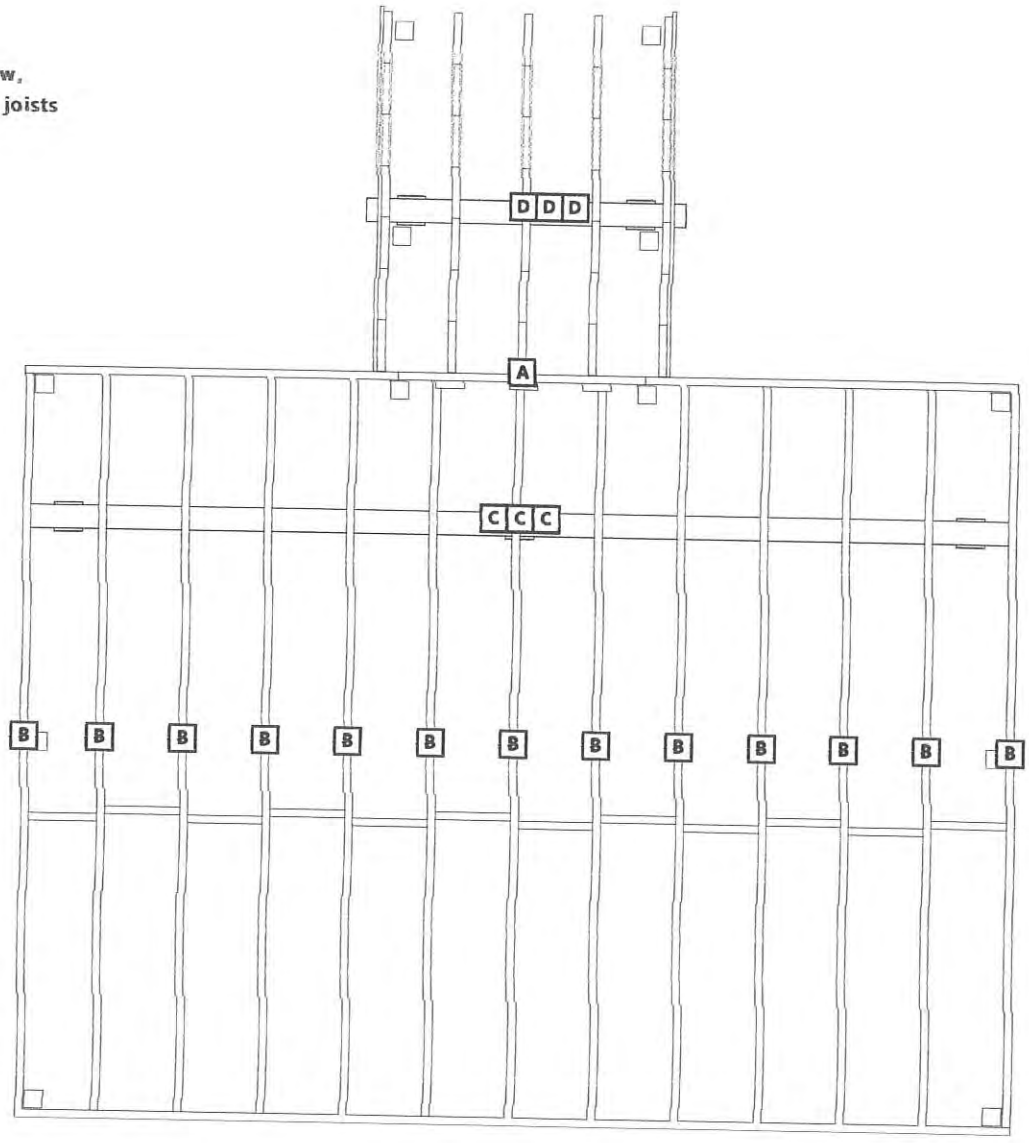
Materials Drawing

LEVEL 1

Plan view,
beams and joists



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Materials Cut List

LEVEL 1

Label	Description	Qty	Length	Usage
A	2" x 12" x 16'- Wood SP (Square)	1	16' 0"	Rim Joists
	2" x 12" x 16'- Wood SP (Square)	1	16' 0"	Ledgers
B	2" x 12" x 12'- Wood SP (Square)	13	11' 9"	Joists
	2" x 12" x 16'- Wood SP (Square)	11	1' 2½"	Blocking
	2" x 12" x 16'- Wood SP (Square)	1	1' 1"	Blocking
C	2" x 12" x 16'- Wood SP (Square)	3	16' 0"	Beams
D	2" x 12" x 16'- Wood SP (Square)	3	5' 2"	Beams
	6" x 6" x 12'- Wood SP	3	3' 0"	Posts/Footings
	6" x 6" x 12'- Wood SP	2	8"	Posts/Footings
	1" x 6" x 16'- Wood DF/HF/SPF (Grooved)	12	4' 8"	Risers
	1" x 6" x 12'- Wood DF/HF/SPF (Grooved)	2	4' 8"	Risers
	2" x 12" x 16'- Wood DF/HF/SPF (Square)	4	7' 10"	Stringers
	2" x 12" x 8'- Wood DF/HF/SPF (Square)	1	7' 10"	Stringers
	1" x 6" x 16'- Wood DF/HF/SPF (Grooved)	12	4' 8"	Treads
	1" x 6" x 12'- Wood DF/HF/SPF (Grooved)	2	4' 8"	Treads
	2" x 12" x 8'- Wood SP (Square)	1	4' 0"	Support Board for Stairs
	2" x 6" x 8'- Wood SP (Square)	3	1' 11"	Support Blocking for Stairs
	1" x 8" x 12'- Wood DF/HF/SPF	2	7' 8"	Stair Fascia

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Railing Kit List

All Materials

Usage	Sub Product	Qty	SKU	Description
Stick Built Items				
	Railing Posts	12/12		Flat Top Post Cap - Brushed Ceader
	Railing Posts	12/12		Post Sleeve Skirt 4x4 - Brushed Ceader
	Railing Posts	12/12		Post Sleeve 4x4 - Brushed Ceader
	Top Rails	10/10		Top Rail 6ft - Brushed Ceader
	Bottom Rails	10/10		Bottom Rail 6ft - Brushed Ceader
	Infill	136/136		Square Baluster 2x2 29in - Brushed Ceader
	Railing Posts	3/3		4 x 4 x 16 - Treated Cedar
	Railing Posts	8/8	DTT2Z	DTT2Z Connector (ZMAX®)(Fasteners and Washers included)

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Estimated Materials List

All Materials

Usage	Qty	SKU	Description	Type
Decking	26		1" x 6" x 16'- Wood DF/HF/SPF (Grooved)	Lumber
Fascia	5		1" x 8" x 12'- Wood DF/HF/SPF	Lumber
Rim Joists	1		2" x 12" x 16'- Wood SP (Square)	Lumber
Ledgers	1		2" x 12" x 16'- Wood SP (Square)	Lumber
Joists	13		2" x 12" x 12'- Wood SP (Square)	Lumber
Blocking	1		2" x 12" x 16'- Wood SP (Square)	Lumber
Beams	4		2" x 12" x 16'- Wood SP (Square)	Lumber
Posts/Footings	1		6" x 6" x 12'- Wood SP	Lumber
Joists	13	H2.5AZ	H2.5AZ Hurricane Tie (ZMAX®)	Connector
Joists	22	LUS210Z	LUS210Z Joist Hanger with Double-Shear Nailing (ZMAX®)	Connector
Joists	4	LS50Z	LS50Z Skewable Angle (ZMAX®)	Connector
Joists	4	DTT2Z	DTT2Z Connector (ZMAX®)(Fasteners and Washers included)	Connector
Posts/Footings	5	BCS2-3/6Z	BCS2-3/6Z Post Cap (ZMAX®)	Connector
Posts/Footings	5	ABA66Z	ABA66Z Adjustable Post Base with Standoff (ZMAX®)	Connector
Posts/Footings	1		5/8" Diameter Straight Shank Carbide Drill Bit for Concrete & Masonry	Concrete
Posts/Footings	27		80lbs Bag (0.60 CF) Concrete Mix	Concrete
Posts/Footings	3		12" x 10' Construction Tube	Construction Tube
Risers	1		1" x 6" x 12'- Wood DF/HF/SPF (Grooved)	Lumber
Risers	4		1" x 6" x 16'- Wood DF/HF/SPF (Grooved)	Lumber
Stringers	2		2" x 12" x 16'- Wood DF/HF/SPF (Square)	Lumber
Stringers	1		2" x 12" x 8'- Wood DF/HF/SPF (Square)	Lumber
Treads	1		1" x 6" x 12'- Wood DF/HF/SPF (Grooved)	Lumber
Treads	4		1" x 6" x 16'- Wood DF/HF/SPF (Grooved)	Lumber
Support Board for Stairs	1		2" x 12" x 8'- Wood SP (Square)	Lumber

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Usage	Qty	SKU	Description	Type
Support Blocking for Stairs	1		2" x 6" x 8'- Wood SP (Square)	Lumber
Stair Fascia	2		1" x 8" x 12'- Wood DF/HF/SPF	Lumber
Stringers	5	LSCZ	LSCZ Adjustable Stair-Stringer Connector (ZMAX®)	Connector
Decking	1	S10300WPP	DWP #10 3IN 305SS FLAT T25 350CT	Fastener
Decking	5	S10300WP1	DWP #10 3IN 305SS FLAT T25 1#	Fastener
Fascia, Stair Fascia	2	T07162FWP	#7X1.625 316SS Trim-Head, Unpainted 100 CT	Fastener
Fasteners	1	fsbit	FASCIA SCREW COUNTERSINK BIT	Fastener
Rim Joists	1	SDWS16300QR75	3 IN SDWS Framing Screw 75ct	Fastener
Beams, Ledgers	1	SDWS22400DB-R50	SDWS22400DB Structural Wood Screw (50)	Fastener
Beams, Ledgers	2	SDWS22400DB-RC12	SDWS22400DB Structural Wood Screw (12)	Fastener
Joists, Stringers	3	N10DHDG	Strong-Drive® SCN 1 1/2" x .148", 9 gauge, Smooth-Shank Connector Nail, Hot Dip Galvanized - 1 LB	Fastener
Joists	2	10DHDG	Strong-Drive® SCN 3" x .148", 9 gauge, Smooth-Shank Connector Nail, Hot Dip Galvanized - 1 LB	Fastener
Joists	4	1/2 MBHDGH	1/2" diameter HDG Machine Bolts: length calculated (1)	Fastener
Joists	4	NUT-1/2 MBHDG	Nut for 1/2" Bolt, Oversized Threads (Hot-Dip Galvanized) (1)	Fastener
Posts/Footings	3	16DHDG	Strong-Drive® SCN 3 1/2" x .162", 8 gauge, Smooth-Shank Connector Nail, Hot Dip Galvanized - 1 LB	Fastener
Posts/Footings	5	THDB62600H4SSF1	5/8" x 6" Type 304 Stainless Steel Titen HD® Heavy-Duty Screw Anchor	Fastener
Treads, Risers	4	S10250WP1	DWP #10 2-1/2IN 305SS FLAT T25 1#	Fastener
Support Blocking for Stairs	1	SDWS22300DB-RC12	SDWS22300DB Structural Wood Screw (12)	Fastener

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Dealer Locations

Approved dealers local to your ZIP code.

Dealer Name	Address	Phone
HOME DEPOT #4912 (MILWAUKEE)	4155 N Port Washington Rd, Milwaukee, 53212-1029, US	(414) 263-1291
BLIFFERT LUMBER & FUEL CO #3784	1014 E Chambers St, Milwaukee, 53212-2604, US	(414) 264-5700
Schmitz Ready Mix Inc	5400 N 124th St, Milwaukee, 53225-2922, US	(414) 831-2400
Z Builders Supply Co Inc	5239 N 124th St, Butler, 53007-1101, US	(262) 373-1155
HOME DEPOT #4923 (WAUWATOSA)	4100 N 124th St, Wauwatosa, 53222-1016, US	(414) 353-5471

Please re-enter your ZIP code in the user settings of Deck planner and re publish a report if the results are not desirable.

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Legal Disclaimer

Effective Date: June 27, 2023

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The App is not designed to perform any of the engineering calculations or structural design required for building construction. *Due to the size, shape, location or other considerations, the design set forth in the Report may require supporting structures* (such as knee braces and bridging between joists and posts) that are not included in the Report. The App and Report are intended to be used only in conjunction with Simpson Strong-Tie® products. Before beginning any project, you should review **all of the information about the Simpson Strong-Tie® products that is available on** www.strongtie.com**. Any use of the App or the Report is at your own risk.**

You should secure professional technical and/or engineering expertise to review and confirm the appropriateness and accuracy of all information in the Report, including, without limitation, all input and output from the App. You should consult with a trained professional to ensure that the products are properly specified for your particular environment (including, without limitation, that the products have the proper level of corrosion resistance based on your particular environmental conditions, materials, construction design and other factors) and to ensure that the products are used in accordance with the design limits **and the structural, technical and environmental specifications set forth on** www.strongtie.com**. The App is not a substitute for professional judgment or for independent design and testing for stress, safety and utility. You are responsible for ensuring that** all measurements are correct and for verifying the Report's accuracy, completeness and suitability for your particular site conditions. Before beginning any project, you should confirm that the design set forth in the Report is safe and structurally sound for its size, location and anticipated use. If you have any doubts, concerns or questions, you should consult local experts, builders, architects and structural and soil engineers.

You should consult with local authorities to ensure that your project complies with all applicable zoning and building codes, requirements and practices, which vary greatly depending on your location. You are responsible for ensuring that the project (including the design set forth in the Report and any substitutions or modifications you make) complies with all applicable zoning and building codes, requirements and practices (including requirements for lighting).

Simpson Strong-Tie Company Inc. ("Simpson") cannot anticipate all of your working conditions or the characteristics of your materials and tools. You should seek professional assistance with respect to the construction of the structure. If you are involved *in the construction of the project, for your safety you should consider your own skill level and use caution, care and good* judgment when following the instructions. Always read and observe instructions and safety precautions provided by any tool or equipment manufacturer, and follow all accepted safety procedures.

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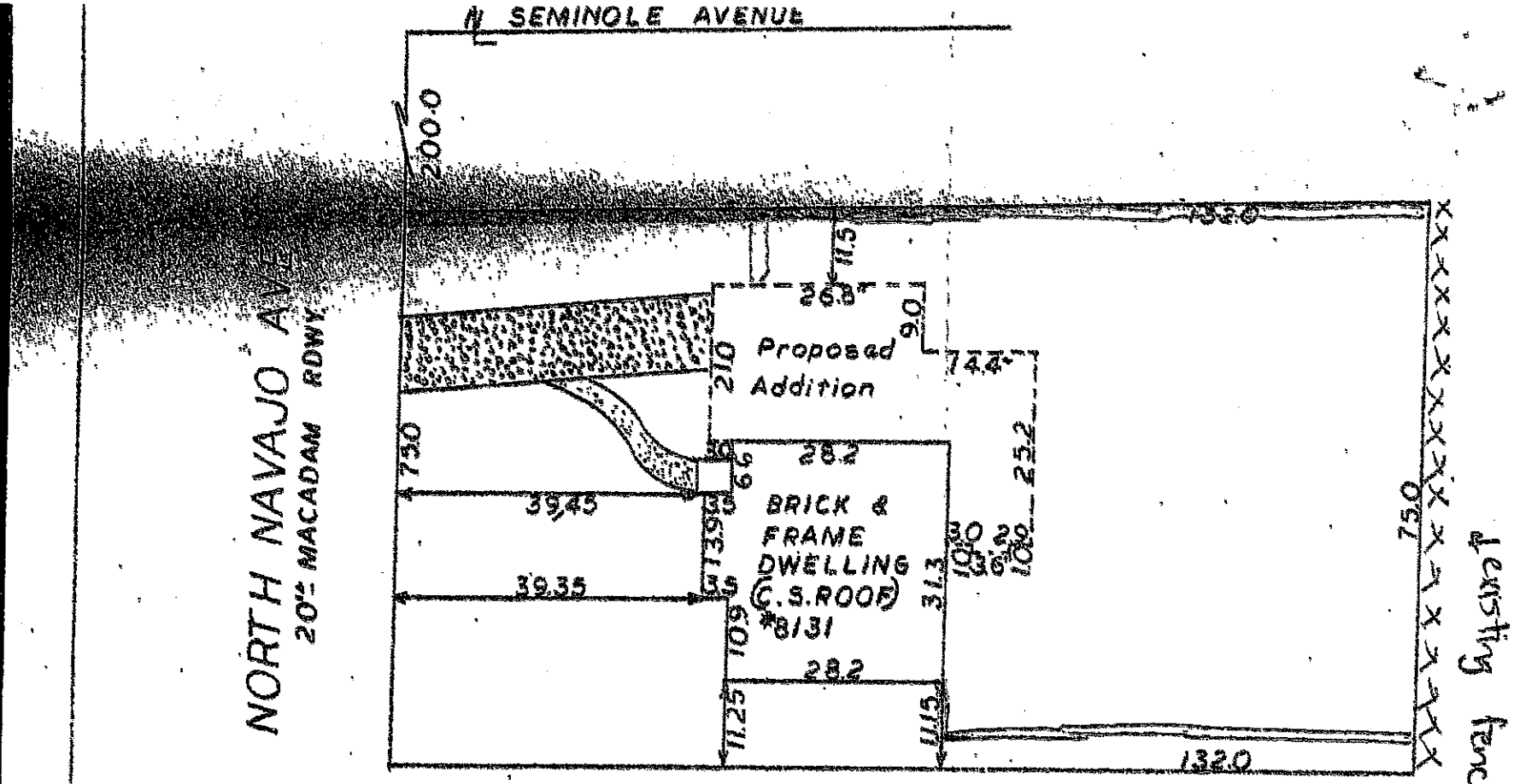


1335 NO. 72nd ST.
(East North of State St.)
WAUWATOSA, WIS.

SURVEYED FOR

Surveyed and Drawn by

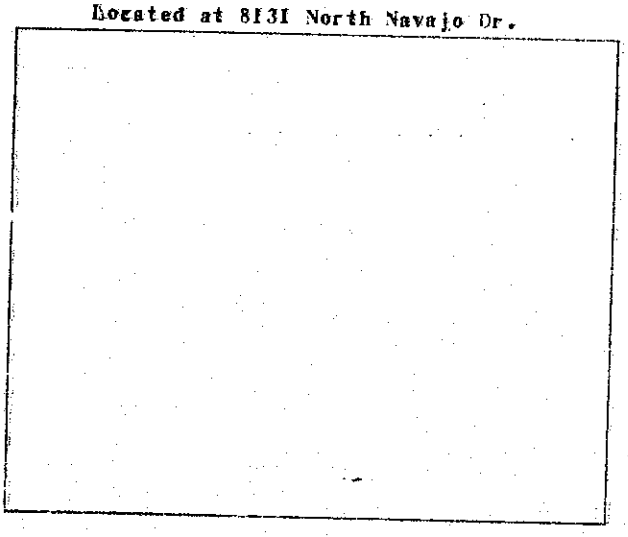
LAND SURVEYORS

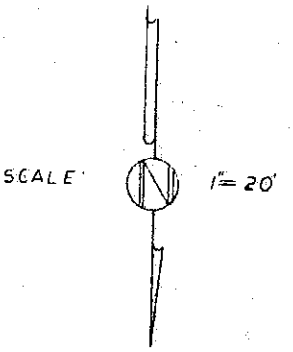
I CERTIFY that I have surveyed the above described property and that the above plat is an

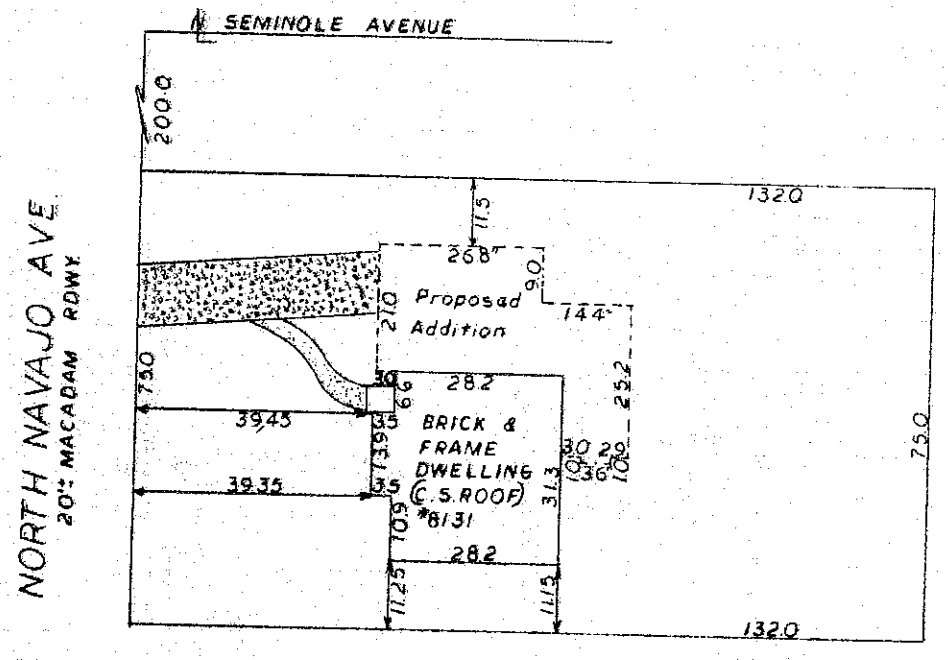
PLAT OF SURVEY

LOT 8 AND THE SOUTH 1/2 OF LOT 7 - BLOCK 6 - SAVINGS AND INVESTMENT ASSOCIATION OF MILWAUKEE, SUBDIVISION NUMBER TWENTY-FOUR, IN the Southeast 1/4 of Section 8, Town8 North, Range 22 East, in the Village of Fox Point, Milwaukee County, Wisconsin.

Located at 8131 North Navajo Dr.







1325 NO. 72nd ST.
(East North of State St.)
WAUWATOSA, WIS.

Surveyed and Drawn by
LAND SURVEYORS

PHONE
258-1380

SURVEYED FOR

Ronald Reck
8131 North Navajo Dr.
Fox Point, Wisconsin

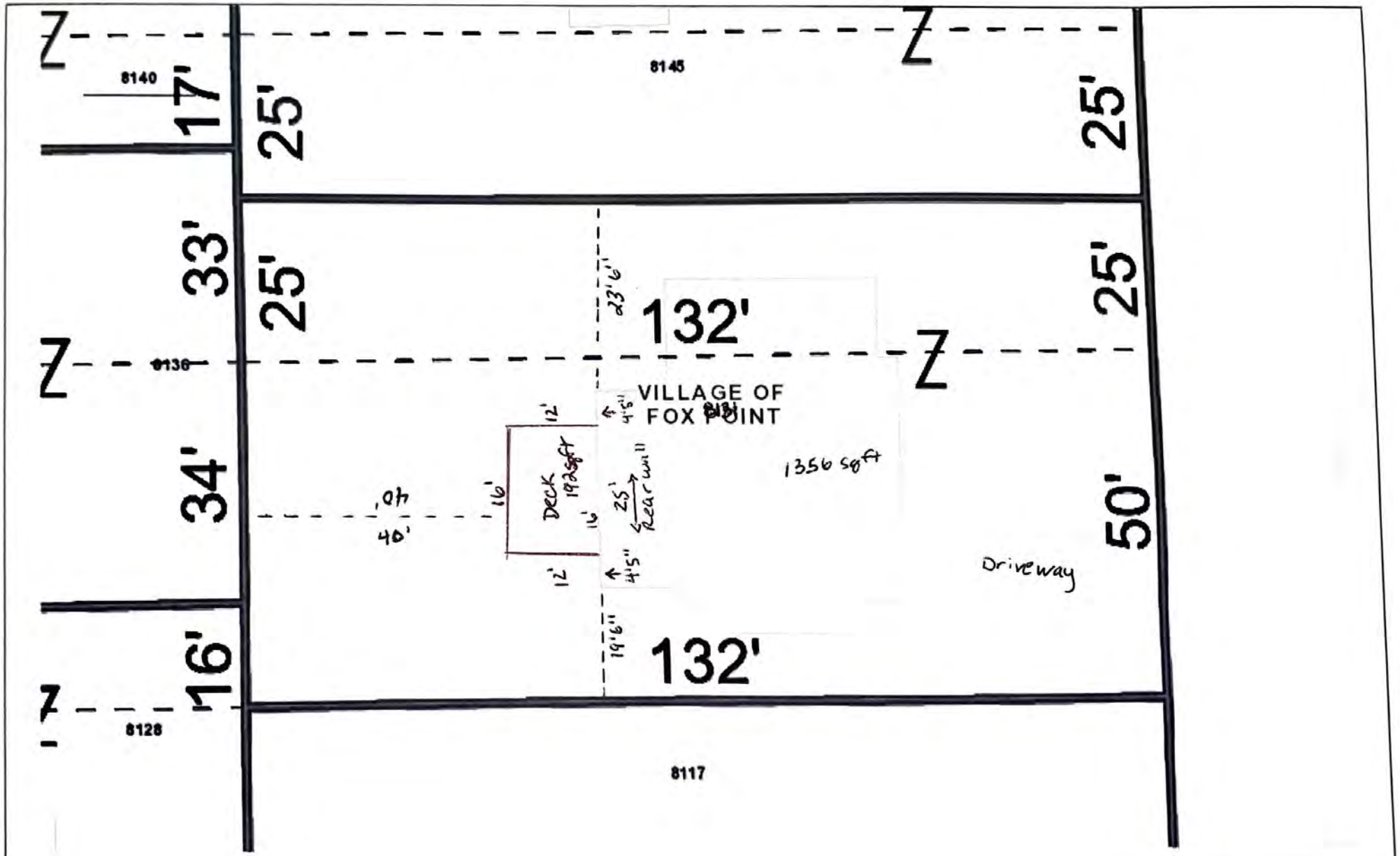
I CERTIFY that I have surveyed the above described property and that the above plat is an accurate survey and a true representation thereof and correctly shows the exterior boundary lines and the principal lines of buildings thereon and visible improvements.

Job No. 60-11864

Date July 15, 1966 August Henke

REGISTERED LAND SURVEYOR NO. S-480 STATE OF WISCONSIN

WISCONSIN
A. HENKE
WAUWATOSA, WISCONSIN
LAND SURVEYOR



Village of Fox Point GIS

DISCLAIMER: The Village of Fox Point Does not guarantee the accuracy of the material contained here in and is not responsible for any misuse or misrepresentation of this information or its derivatives.

SCALE: 1" = 20'

VILLAGE OF FOX POINT

VILLAGE OF FOX POINT
7200 North Santa Monica Boulevard
Fox Point, WI 53217
(414) 351-8900

Print Date: 7/9/2023

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

BUILDING PERMIT APPLICATION

All applications must contain one (1) complete set of plans and specifications.

All plans must be drawn at a scale that adequately illustrates all of the required information in sufficient detail to demonstrate code compliance to the satisfaction of the Village staff reviewing the application. *Drawings that do not show all necessary detail shall be rejected.*

All applications for work proposed to the exterior of a property must be submitted to the Building Board for approval.

Additions

1. Building Board Required
2. Survey
3. Open Area Calculation
4. Site Plan
5. Building Elevations
6. Footing/Foundation Plan
7. Floor Plan
8. Cross Sections
9. Structural Details
10. Truss Plans/Layout
11. Tall Wall Design Calculations
12. Energy Calculations
13. Wall Bracing
14. Grading, Drainage and Erosion Control Permit (See Eng)
15. Fill Permit (See Eng)

Accessory Structures (≤ 100 sqft)

1. Survey - Showing the Location
2. Open Area Calculation
3. Building Elevations
4. Building Sections

Accessory Structures (> 100 sqft)

1. Building Board Required
2. Survey - Showing the Location
3. Open Area Calculation
4. Building Elevations
5. Footing/Foundation Plan
6. Building Sections

Decks

1. Building Board Required
2. Survey - Showing the Location
3. Open Area Calculation
4. Footing/Framing Plan

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Fox Point, WI 53217
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Driveways

1. Permit Not Required
2. Three Foot Setback Required

Fences

1. Board of Appeals and Building Board, Case by Case Basis
2. Survey - Showing the Location
3. Fence Detail

Interior Remodels

1. Floor Plans
2. Structural Details

New Home Construction

1. Building Board Required
2. Survey
3. Open Area Calculation
4. Site Plan
5. Building Elevations
6. Footing/Foundation Plan
7. Floor Plan
8. Cross Sections
9. Structural Details
10. Truss Plans/Layout
11. Tall Wall Design Calculations
12. Energy Calculations
13. Wall Bracing
14. Grading, Drainage and Erosion Control Permit (See Eng)
15. Fill Permit (See Eng)
16. Culvert Permit (See Eng)

Pools/Hot Tub

1. Building Board Required
2. Survey - Showing the Location
3. Open Area Calculation
4. Pool/Hot Tub Information

Roofs

1. Building Board Required if Changing Roofline
2. Building Permit Required

Siding

1. Building Board, Case by Case Basis

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Solar Panels

1. Building Board Required
2. Survey - Showing the Location (Ground Mounted Only)
3. One Line Diagram
4. Open Area Calculation
5. Structural Calculations
6. System Layout
7. Connection Details
8. Equipment Information and Listing

Windows/Doors

1. Building Board, Case by Case Basis
2. Replacements That Fit in the Same Frame Area, Building Board Not Required

Rev 01/22

VILLAGE OF FOX POINT
7200 N Santa Monica Blvd
Fox Point, WI 53217
(414) 247-6622
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CAUTIONARY STATEMENT TO OWNERS OBTAINING BUILDING PERMITS

101.65(1r) of the Wisconsin Statutes requires municipalities that enforce the Uniform Dwelling Code to provide an owner who applies for a building permit with a statement advising the owner that:

If the owner hires a contractor to perform work under the building permit and the contractor is not bonded or insured as required under s. 101.654(2)(a), the following consequences might occur:

(a) The owner may be held liable for any bodily injury to or death of others or for any damage to the property of others that arises out of the work performed under the building permit or that is caused by any negligence by the contractor that occurs in connection with the work performed under the building permit.

(b) The owner may not be able to collect from the contractor damages for any loss sustained by the owner because of a violation by the contractor of the one- and two- family dwelling code or an ordinance enacted under sub. (1)(a), because of any bodily injury to or death of others or damage to the property of others that arises out of the work performed under the building permit or because of any bodily injury to or death of others or damage to the property of others that is caused by any negligence by the contractor that occurs in connection with the work performed under the building permit.

Wetlands Notice to Permit Applicants

You are responsible for complying with state and federal laws concerning the construction near or on wetlands, lakes, and streams. Wetlands that are not associated with open water can be difficult to identify. Failure to comply may result in removal or modification of construction that violates the law or other penalties or costs. For more information, visit the Department of Natural Resources wetlands identification web page or contact a Department of Natural Resources service

Additional Responsibilities for Owners of Projects Disturbing One or More Acre of Soil

I understand that this project is subject to ch. NR 151 regarding additional erosion control and stormwater management and will comply with those standards.

Michael C Ford	1006 E Churchill Ln, Fox Point, WI, 53217
Homeowner's Name – PRINTED	Property Address
	6/26/2023
Homeowner's Signature	Date

Rev 09/20

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 1006 E Churchill Ln, Fox Point	**Building Type:** Residential ☑ Commercial ☐
Description of Work	
Installation of 3 skylights in roof at rear of house.	
Enlarge existing 12'X8' Garden Shed to 18'X8'	
Construct a 12'X10' prefabricated gazebo on deck at rear of house.	
Estimated Cost of Project $ $6,000.000	

Owner/Occupant	
Business Name Michael C Ford	Contact Name Michael C Ford.
Address 1006 E Churchill Ln	City/State/Zip Fox Point/WI/53217
Phone 414-217-6002	Email mcford523@mac.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 168 sq ft	2nd Floor	Basement	Addition 120 Sq ft	Garage 96 sq ft

Description		Rate	Amount
Project - Per $1,000 of estimated cost		$10.00	$60
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	**$70.00**	
Payable to: Village of Fox Point	**Total Permit Fee**		**$**

Applicant Signature _____ **Date** _____

Rev 01/22

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

SURVEYING ASSOCIATES, INC.
MEMBER WISCONSIN SOCIETY OF LAND SURVEYORS
AND AMERICAN CONGRESS ON SURVEYING AND MAPPING

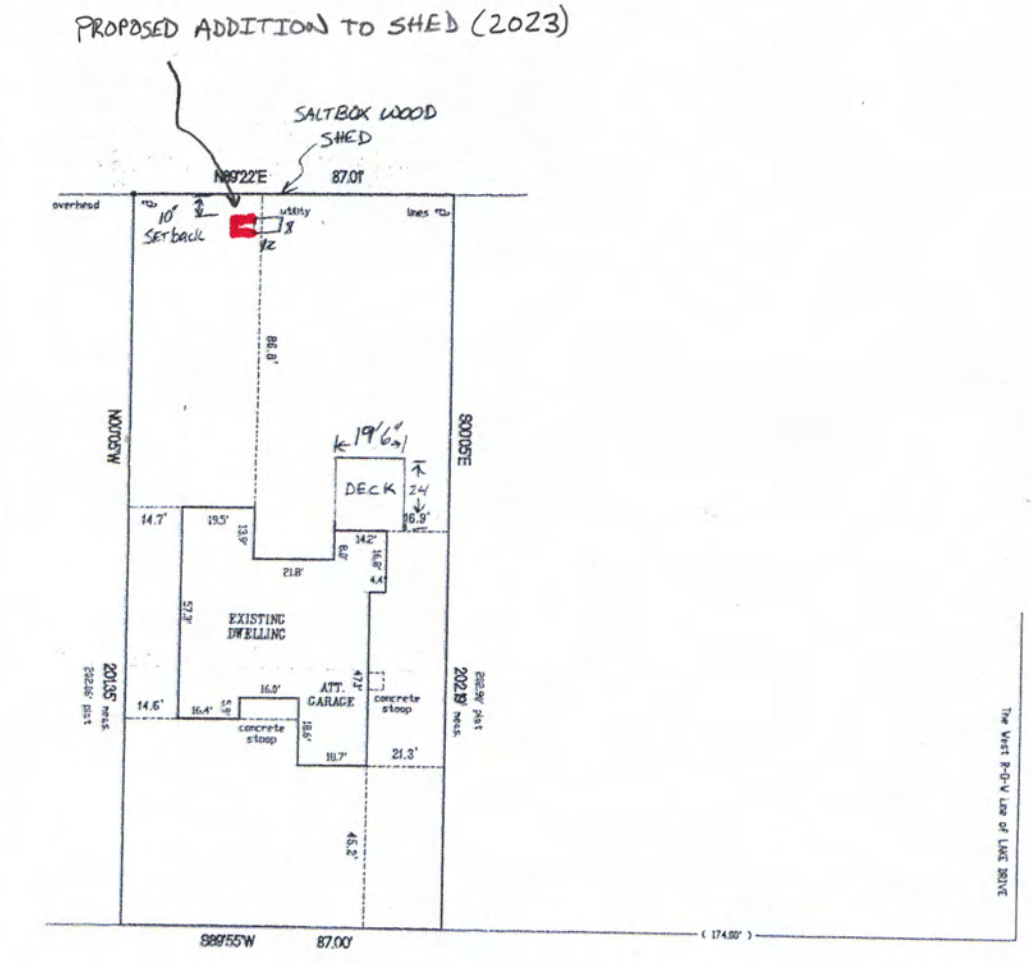
2554 N. 100TH STREET
P.O. BOX 26596
WAUWATOSA, WISCONSIN 53226
(414) 257-2212 FAX : (414) 257-2443

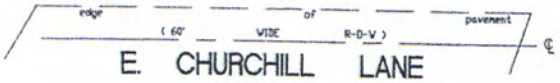
WILLIAM J. KARPEN R L S
FREDERICK W. SHIBILSKI R L S

PLAT OF SURVEY

LOT 4, BLOCK 3, IN FOX POINT SUBDIVISION, being a Subdivision of a part of the Southwest ¼ of Section 9, Township 8 North, Range 22 East, in the Village of Fox Point, Milwaukee County, Wisconsin.

Address: 1006 E. Churchill Lane





SCALE : 1" = 40'

Area of Property = 17,554.1 Sq. Ft.

Surveyed for: MICHAEL FORD

"I have surveyed the above described property from the legal description furnished by the client named on this survey." "This survey is made for the use of the present owners of the property, and those who purchase, mortgage, or guarantee the title thereto within one year from date hereof."

WISCONSIN REGISTERED LAND SURVEYOR

DATE	FIELD WORK BY	DRAWN BY	JOB NUMBER
JUNE 5, 2001	MCP BMJ	BJK	28735

WISCONSIN FREDERICK W. SHIBILSKI S-1154 MILWAUKEE, WIS. NOTE: THIS IS NOT A ORIGINAL SURVEY UNLESS THIS SEAL IS RED. Desk 294

The gazebo can satisfy all your outdoor needs
Enough space for a sofa set or a 7-piece dining set

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 C, 65' min lot, 85' lot width

BUILDING PERMIT

Job Address 210 E Mall rd	**Building Type:** Residential ☑ Commercial ☐
Description of Work	
Carport	
Estimated Cost of Project $6000	

Owner/Occupant	
Business Name Colleen Miller	Contact Name Colleen Miller
Address 210 E Mall Rd	City/State/Zip 53217
Phone 510-282-6114	Email Colleen.miller 210 E mall rd

Cautionary Statement required when homeowner is applying for permit*

Contractor	
Company Name Owner	Contact Name Colleen Miller
Address 210 E mall Rd	City/State/Zip 53217
Phone 510-282-6114	Email Colleen.miller210@ Yahoo.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	60.00
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**	135.00
Payable to: Village of Fox Point	**Total Permit Fee**		$ 145.00

Applicant Signature Colleen Miller **Date** 5/27/23

Rev 01/22

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

Receipt No: 3.116095 Jun 28, 2023

210 E Mall Rd

Previous Balance:	.00
LICENSES & PERMITS	
BUILDING PERMIT	135.00
24-44460	
BUILDING PERMIT	
Total:	135.00
CHECK	
Check No: 1091	135.00
Total Applied:	135.00
Change Tendered:	.00

Duplicate Copy
06/28/2023 9:28 AM

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

CAUTIONARY STATEMENT TO OWNERS OBTAINING BUILDING PERMITS

101.65(1r) of the Wisconsin Statutes requires municipalities that enforce the Uniform Dwelling Code to provide an owner who applies for a building permit with a statement advising the owner that:

If the owner hires a contractor to perform work under the building permit and the contractor is not bonded or insured as required under s. 101.654(2)(a), the following consequences might occur:

(a) The owner may be held liable for any bodily injury to or death of others or for any damage to the property of others that arises out of the work performed under the building permit or that is caused by any negligence by the contractor that occurs in connection with the work performed under the building permit.

(b) The owner may not be able to collect from the contractor damages for any loss sustained by the owner because of a violation by the contractor of the one- and two- family dwelling code or an ordinance enacted under sub. (1)(a), because of any bodily injury to or death of others or damage to the property of others that arises out of the work performed under the building permit or because of any bodily injury to or death of others or damage to the property of others that is caused by any negligence by the contractor that occurs in connection with the work performed under the building permit.

Wetlands Notice to Permit Applicants

You are responsible for complying with state and federal laws concerning the construction near or on wetlands, lakes, and streams. Wetlands that are not associated with open water can be difficult to identify. Failure to comply may result in removal or modification of construction that violates the law or other penalties or costs. For more information, visit the Department of Natural Resources wetlands identification web page or contact a Department of Natural Resources service

Additional Responsibilities for Owners of Projects Disturbing One or More Acre of Soil

I understand that this project is subject to ch. NR 151 regarding additional erosion control and stormwater management and will comply with those standards.

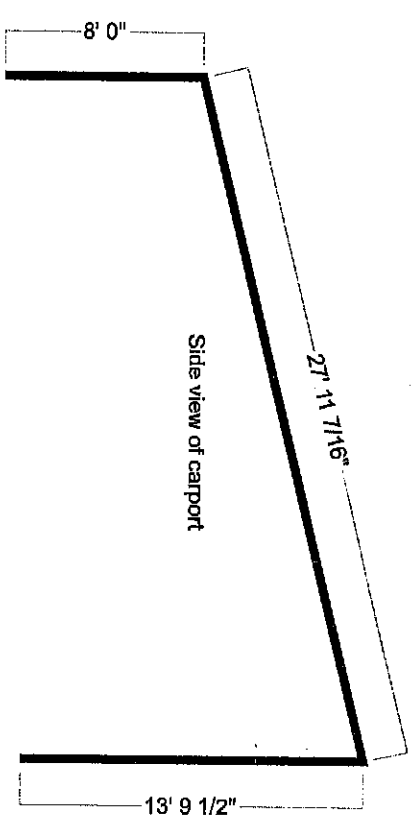
Colleen Miller
Homeowner's Name – PRINTED

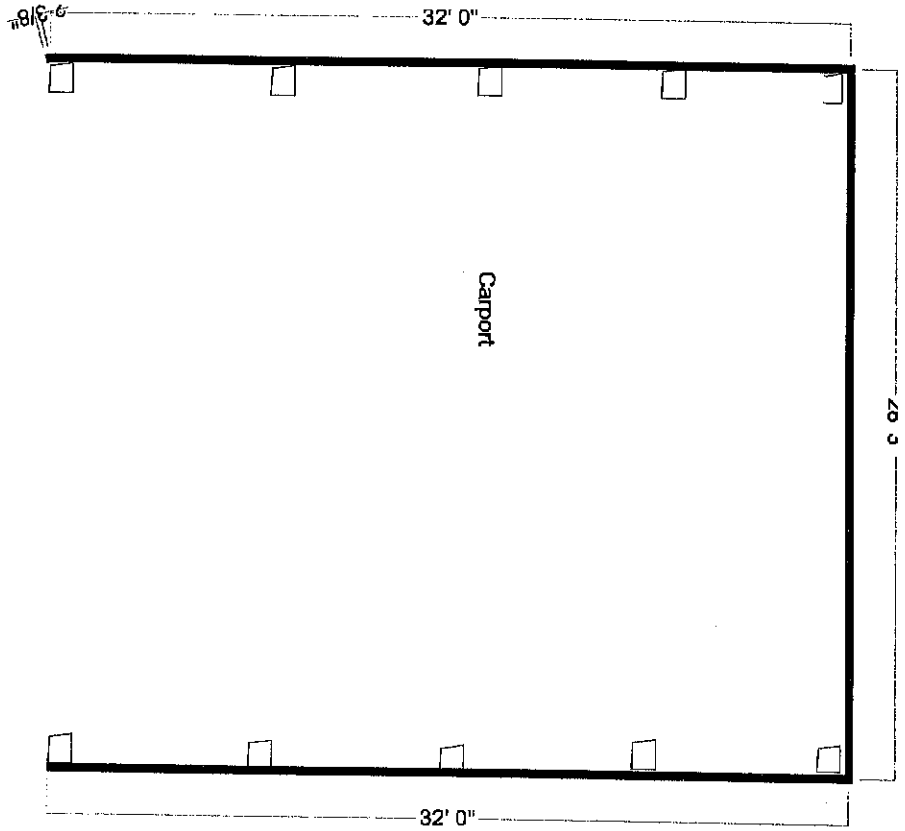
210 E Mall Rd Fox Point
Property Address

Homeowner's Signature

6/28/23
Date

Rev 09/20


8' 0"
Side view of carport
27' 11 7/16"
13' 9 1/2"


32' 0"
Carport
32' 0"

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 7764 N. CLUB CIRCLE	**Building Type:** Residential ☐ Commercial ☐
Description of Work REPLACE WINDOWS ON NORTHWEST ELEVATION OF THE FIRST FLOOR, AND RESTORE CRAFTSMAN DETAILS AT ANGLE BAY, HALF CIRCLE BAY & FRONT MAIN ENTRY	
Estimated Cost of Project $ 40,000	

Owner/Occupant			
~~Business~~ Name	BARBARA FULDNER	Contact Name	SAME
Address	7764 N. CLUB CIRCLE	City/State/Zip	FOX POINT, WI 53217
Phone	414-640-8072	Email	barbara@macaccess.com

Cautionary Statement required when homeowner is applying for permit

Contractor			
Company Name	ANTIQUITY GEN. CONTR.	Contact Name	TODD FOX
Address		City/State/Zip	Menomonee Falls, WI 53051
Phone	414-412-6252	Email	tfox@antiquitygc.com
Dwelling Contractor #		Dwelling Contractor Qualifier #	

Square Footage Under Construction				
1st Floor 300 sf	2nd Floor	Basement	Addition	Garage

Description		**Rate**	**Amount**
Project - Per $1,000 of estimated cost		$10.00	$400
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	**$70.00**	
Payable to: Village of Fox Point	**Total Permit Fee**		**$**

Applicant Signature _____ **Date** _____

Rev 01/22

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

STATEMENT OF INTENT

A Remodeling Proposal

for

Barbara Fuldner Residence
7764 N. Club Circle
Fox Point, WI 53217

This Craftsman style house, built in 1890, has sustained 4 additions over its existence. One of the more poorly done changes to the original design, was the enclosing of the northwest facing screened porch, and a later addition of a brick clad angled bay. The brick veneer is found nowhere else on the home.

There was a token effort to repeat the double column craftsman detail found on the northeast face of the dining room, but the lack of attention to detail, left the angle bay & main entry addition, looking very flat and inappropriate. The ornamental rafter tails and half round gutters were removed at the angled bay, and at the half round extension of the dining room.

Our intent is to restore some of the craftsman detailing at the half round bay, and angle bay, and at the front entry way next to the driveway. The new design includes simplifying the northwest roof, gutter, and rafter tails, rebuilding the double column corners with the appropriate recessed panels, to match what we think was part of the original design.

We will also replace the casement windows used in the porch enclosure, with double hung Marvin windows, which will closely match the width and muntin pattern of the 2nd floor windows. Finally we propose raising the header height of these new windows and lowering the sill height to match the lines of the original dining room windows.

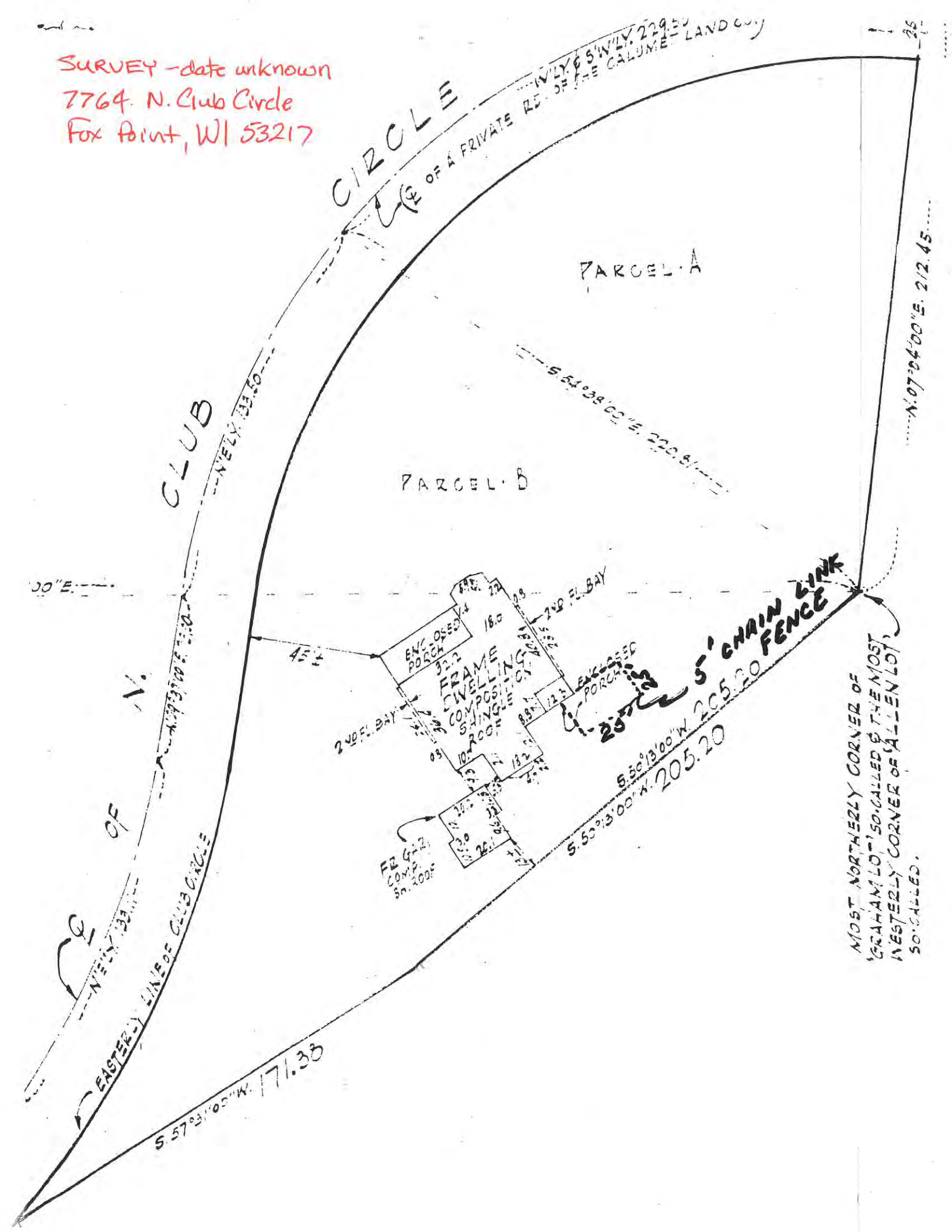
We will not attempt to restore the screened porch or the old main entry, and we will leave the 2nd floor elevation largely untouched, except for repeating the short eyebrow roof-let over the porch windows on the 2nd floor.

A point of interest - The home owner is the great granddaughter of Gustav Stickley. Barbara has been on the board of, or very active with, several historic preservation and Arts and Crafts movement related institutions, and is a wonderful community resource.

Sincerely,

Jim Dorr

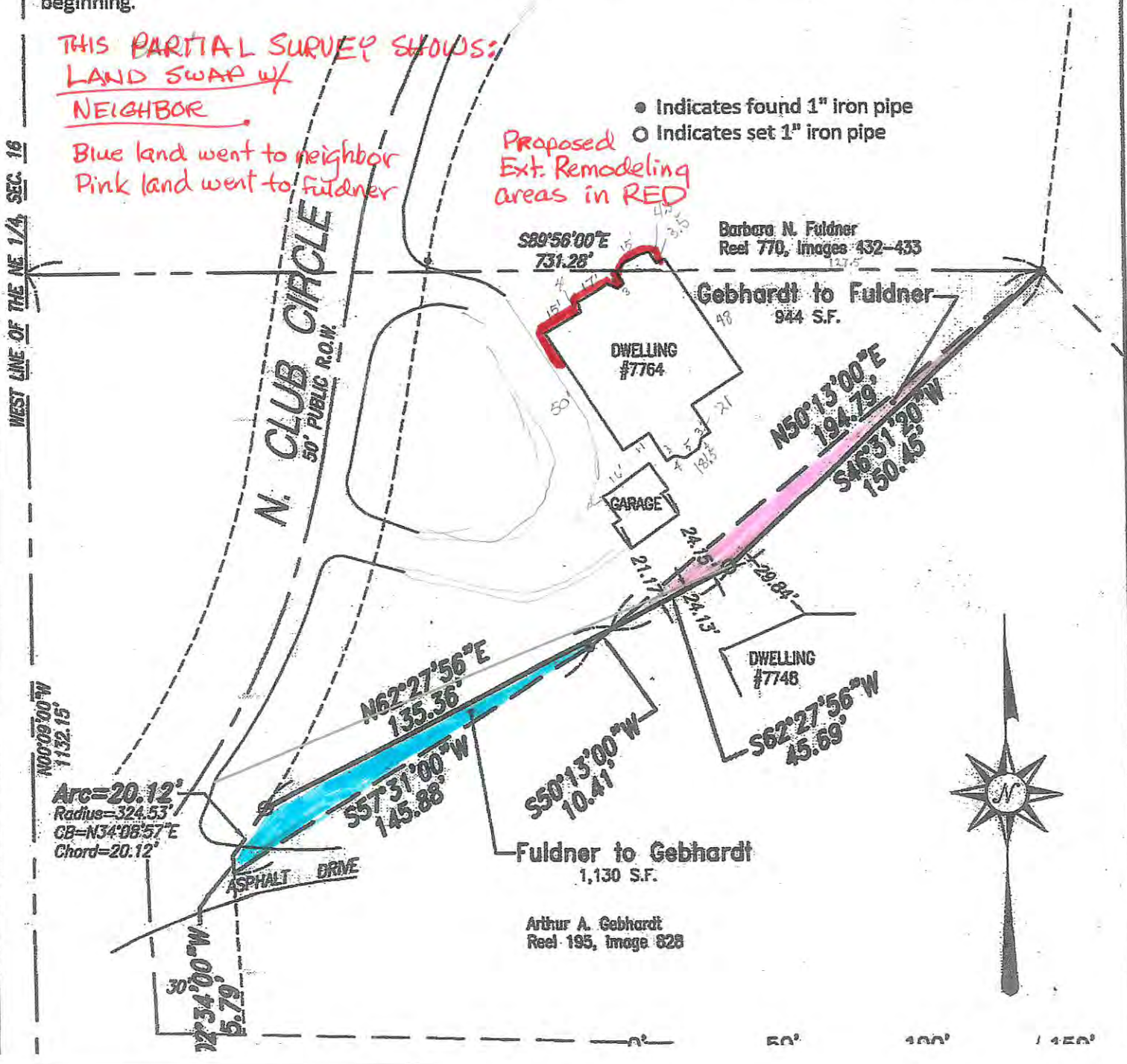
SURVEY - date unknown
7764 N. Club Circle
Fox Point, WI 53217

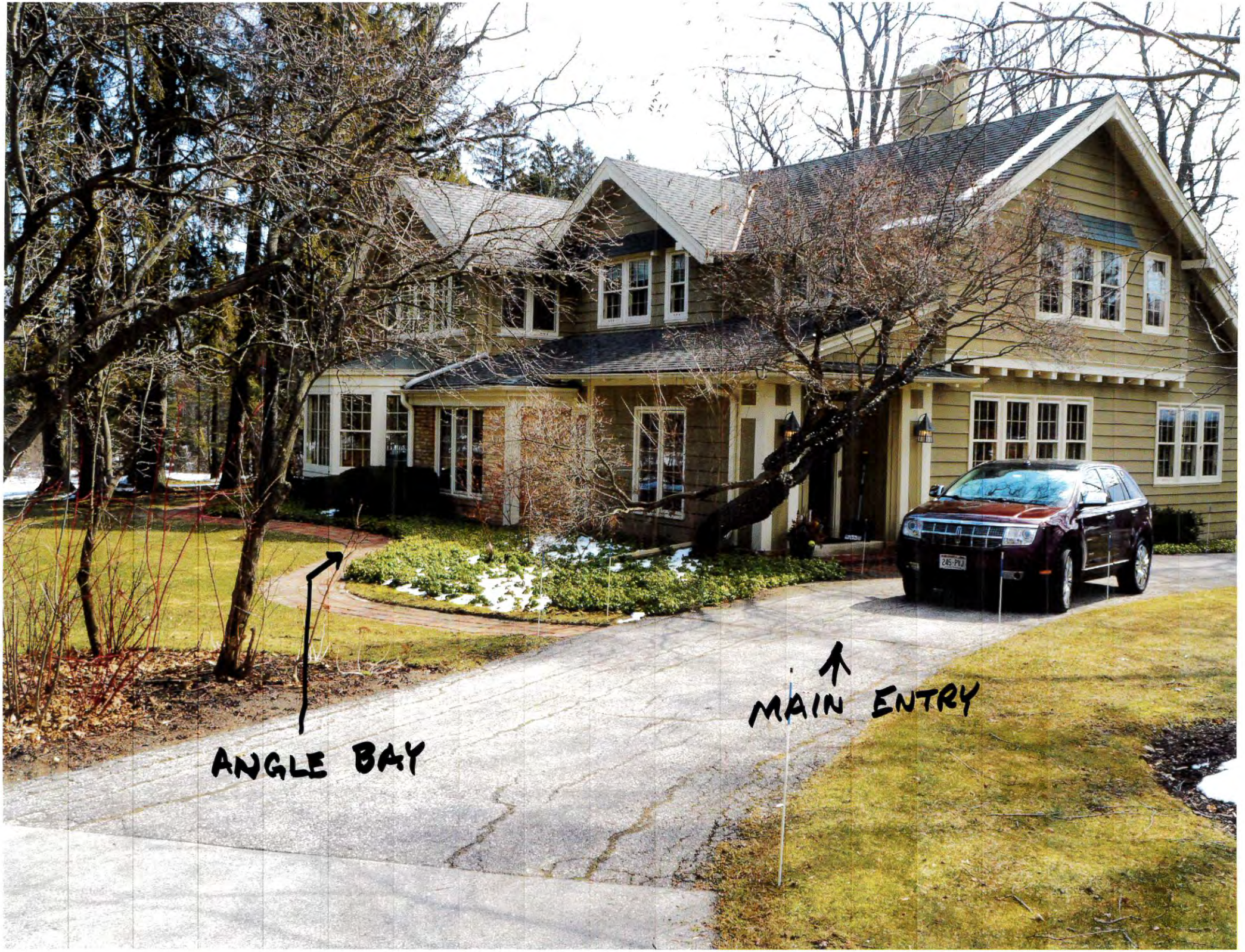


the West line of the Northeast 1/4 Section 1132.15 feet to a point; thence South 89°56'00" East 731.28 feet to the Northerly most corner of lands described in Reel 195, Image 828, Milwaukee County records and the point of beginning of the lands to be described; thence South 46°31'20" West 150.45 feet to a point; thence South 62°27'56" West 45.69 feet to a point on the Northerly line of said lands; thence North 50°13'00" East along said Northerly line 194.79 feet to the point of beginning.

LEGAL DESCRIPTION: FULDNER TO GEBHARDT

That part of the Northeast Fractional 1/4 of Section 16, Town 8 North, Range 22 East, in the Village of Fox Point, Milwaukee County, Wisconsin, which is bounded and described as follows:
Commencing at the Southwest corner of the Northeast 1/4 of said Section; thence North 00°09'00" West along the West line of the Northeast 1/4 Section 1132.15 feet to a point; thence South 89°56'00" East 731.28 feet to the Southeast corner of lands described in Reel 770, Images 432 & 433, Milwaukee County records; thence South 50°13'00" West along the Southerly line of said lands 194.79 feet to the point of beginning of the lands to be described; thence continuing South 50°13'00" West 10.41 feet along said Southerly line to a point; thence South 57°31'00" West along said Southerly line 145.88 feet to a point; thence North 02°34'00" West along the Westerly line of said lands 5.79 feet to a point on the East line of North Club Circle; thence Northeasterly 20.12 feet along said East line and arc of a curve, whose center lies to the Northwest, whose radius is 324.53 feet, and whose chord bears North 34°08'57" East 20.12 feet to a point; thence North 62°27'56" East 135.36 feet to the point of beginning.




ANGLE BAY
MAIN ENTRY

MAIN
ENTRY

DINING ROOM →

ORIGINAL CRAFTSMAN
DETAILING - DOUBLE
COLUMN W/ RECESS PANELS

DOUBLE COLUMNS
ORIGINAL GUTTER LINE

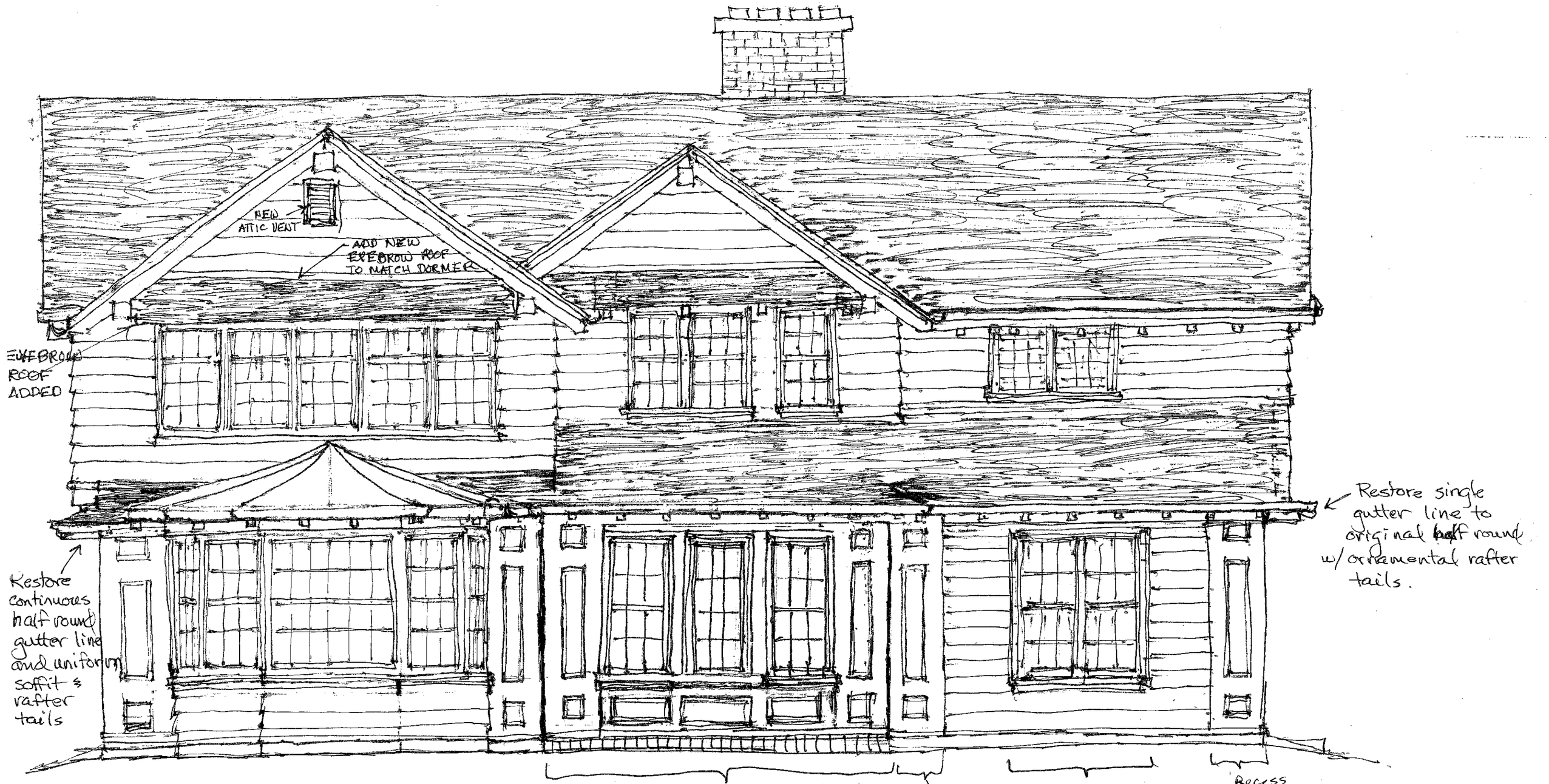
HALF ROUND BAR
ADDED & GUTTER
LINE CHANGED

ANGLE ONLY

NEW EYE BROW ROOF LET.
EXISTING EYEBROW ROOF LET

ANGLED BAY TO BE REPOINTED

REQUESTED PANELS TO BE REMOVE



NORTHWEST ELEVATION
¼" = 1'

SITE PLAN

7764 CLUB CIRCLE
FOX POINT, WI 53217

REMODELING PLANS
Exterior Modifications

Designer - Jim Dorr

Builder - Antiquity General Contracting

June 29, 2023

Scale 1/16" -1'

NORTH
WEST
EAST
SOUTH

EXTERIOR REMODELING
1ST FLOOR ONLY TO MATCH
1890 ORIGINAL DESIGN

down
down
down
down
SCREENED PORCH

EXISTING - 2ND FLOOR PLAN

7764 CLUB CIRCLE
FOX POINT, WI 53217

REMODELING PLANS
Exterior Modifications

Designer - Jim Dorr

Builder - Antiquity General Contracting

June 29, 2023

Scale 1/4" -1'

EXISTING - 1st Floor Plan

EDGE OF RAVINE (rough approximation)

20' SETBACK (from property line)

16' 11 1/8"

OLD PROPERTY LINE (before exchange w/ neighbor)

NEW PROPERTY LINE (after exchange w/ neighbor)

PROPERTY GAINED BY FULDNER

NORTH

WEST EAST

SOUTH

SCALE 1/8" = 1'

ENCLOSED PORCH

down

down

MASTER BEDROOM

up

HALLWAY CLOSET

SCREENED PORCH

17' 0"

24' 0"

EXISTING - 2ND FLOOR PLAN

7764 CLUB CIRCLE
FOX POINT, WI 53217

REMODELING PLANS
Exterior Modifications

Designer - Jim Dorr

Builder - Antiquity General Contracting

June 29, 2023

Scale 1/4" -1'

EXISTING - 2nd Floor Plan

EDGE OF RAVINE (rough approximation)

20' SETBACK (from property line)

OLD PROPERTY LINE (before exchange w/ neighbor)

NEW PROPERTY LINE (after exchange w/ neighbor)

PROPERTY GAINED BY FULDNER

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 7520 N Links Way	**Building Type:** Residential [X] Commercial [ ]
Description of Work Hot tub	
Estimated Cost of Project $ 9000	

Owner/Occupant			
Business Name	Owner	Contact Name	Erik Bowie
Address	7520 N Links Way	City/State/Zip	Fox Point WI 53217
Phone	917-370-2633	Email	erikbowie@gmail.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

Description	**Rate**	**Amount**
Project - Per $1,000 of estimated cost	$10.00	90.00
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**	
Payable to: Village of Fox Point **Total Permit Fee**		$ 165.00

Applicant Signature _____ **Date** 6/19/23

Rev 01/22

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

Receipt No: 3.116108 Jun 29, 2023

7520 N Links Way

Previous Balance:	.00
LICENSES & PERMITS	
BUILDING PERMIT	165.00
24-44460	
BUILDING PERMIT	
Total:	165.00
CHECK	
Check No: 108	165.00
Total Applied:	165.00
Change Tendered:	.00

06/29/2023 8:37 AM

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

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Additional Responsibilities for Owners of Projects Disturbing One or More Acre of Soil

I understand that this project is subject to ch. NR 151 regarding additional erosion control and stormwater management and will comply with those standards.

Erik Bowie
Homeowner's Name – PRINTED

7520 N Links Way
Property Address

Homeowner's Signature

6/19/23
Date

Rev 09/20

Known as 7520 North Links Way, Fox Point, Wisconsin
Lot 7 in Block 1 in Lake Drive Manor, being a part of the S. W. 1/4 of Section 16, T 8 N, R 22 E, Milwaukee County, Wisconsin.
April 24, 1947 Survey No. 28257-S-7

SCALE 1" = 30

We hereby Certify that we have surveyed the property described above according to official records, and that the plat above is a correct representation of the lot lines and principal lines of buildings thereon, which are shown on this photograph.

BY J. H. Berke

PROTECTION

PATENT APPLIED FOR

Open Area Calculation 7520 N Links Way

House	1360
Shed	62
Hot tub	52
	1474
Lot	**13140**
Structure	**0.1121765601**
Open Area	**0.8878234399**

Open 15% Area Mod. 12,750

Ahhh. It's hard to beat the calm and comfort of a Getaway Hot Tub.

Welcome to your personal paradise. Whether you want to create a daily retreat or upgrade your vacation property, Getaway Hot Tubs offer five affordable and easy-to-maintain models, including three plug-and-play models. Feel pampered with features typically reserved for more expensive hot tubs, such as backlit cupholders and lighted waterfalls*.

BAR HARBOR LE

Dimensions:	86" x 86" x 35" (219 x 219 x 89 cm)
Weight (Dry/Full):	660 lbs (299 kg) / 4,840 lbs (2,195 kg)
Gallons:	390 Gallons (1,476 L)
Power Requirements:	240 V / 50 Amp
Seating Capacity:	5
Stainless Steel Jets:	40
Pumps:	2
Water Features:	1
Filtration:	EcoPur® Charge
LED Lighting:	Colorscape Light
Exclusive Features:	Ozone System Backlit Cupholders
Premium Option:	Bluetooth Speaker
Listing Number:	1770

BAR HARBOR SE

Dimensions:	86" x 86" x 35" (219 x 219 x 89 cm)
Weight (Dry/Full):	600 lbs (272 kg) / 4,780 lbs (2,168 kg)
Gallons:	390 Gallons (1,476 L)
Power Requirements:	120 V / 15 Amp (GFCI Cord Included) Convertible to 240 V / 50 Amp
Seating Capacity:	5
Stainless Steel Jets:	25
Pumps:	1
Water Features:	1
Filtration:	EcoPur® Charge
LED Lighting:	Colorscape Light
Exclusive Feature:	Ozone System
Premium Option:	Bluetooth Speaker
Listing Number:	1760

*On select models.