

NOTICE OF MEETING
VILLAGE OF FOX POINT
BUILDING BOARD

NOTE: THIS MEETING WILL BE HELD
VIRTUALLY ONLY VIA WEBINAR.
NO IN-PERSON ATTENDANCE HELD.

Wednesday
February 11, 2026
5:00 P.M.

Join Zoom Meeting

<https://us02web.zoom.us/j/83877661472>

Meeting ID: 838 7766 1472

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 January 14, 2026 Building Board meeting.
3. 800 E Dean Rd, proposed roof mounted solar.
4. 8204 N Whitney Rd, proposed detached garage.
5. 8301 N Lake Dr, proposed removal of patio door.
6. 7117 N Barnett Ln, proposed house remodel.
7. Adjourn.

Posted and Published: February 4, 2026

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, January 14, 2026, at 5:00 pm. Those present included:

Justin Racinowski
William Feldman
Lucille Sells-Absent
Pat Algiers
Scott Davis
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 William Feldman to approve the minutes of December 10, 2025. Motion was seconded by Pat Algiers. Motion Caried.

AGENDA

1. **6918 N Belmont Ln, resubmittal of proposed addition.** It was the consensus of the Building Board to approve as submitted subject to matching details.
2. **8600 N Manor Ln, proposed picture window.** It was the consensus of the Building Board to approve as submitted.
3. **203 W Suburban Dr, proposed addition.** It was the consensus of the Building Board to approve as submitted.
4. **1572 E Goodrich Ln, proposed alterations to house.** It was the consensus of the Building Board to approve as submitted.
5. **7520 N Links Way, proposed sunroom.** It was the consensus of the Building Board to approve as submitted
6. **7505 N Beach Dr, resubmittal of proposed single-family house.** It was the consensus of the Building Board to approve as submitted subject to:
 - Stone beltline to sunroom wraps around corner and inside corner to meet the house
 - Move stair to south of deck and add stone base to deck
 - Reduce depth of foyer overhang and column at the discretion of owner
 - Two feet of stone return on SE corner
 - Landscaping to soften front of house meeting grade
 - Resubmit revised rendering

ADJOURN

Motion to adjourn Building Board was made by Pat Algiers. Motion seconded by William Feldman. Motion Caried. Building Board adjourned at 6:30 pm.

Respectfully Submitted,



Michael Rakow
Building Inspector
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 800 E Dean Rd, Fox Point Wisconsin 53217	Building Type: Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/>
Description of Work	
Roof Mounted PV Solar	
Estimated Cost of Project \$13,072.50	

Owner/Occupant Sarah Hoheneder	
Business Name	Contact Name Sarah Hoheneder
Address 800 E Dean Rd	City/State/Zip Fox Point / Wisconsin / 53217
Phone (920) 627-1405	Email hohened2@gmail.com

****Cautionary Statement required when homeowner is applying for permit****

Contractor	
Company Name Wolf River Electric	Contact Name Jarek Lachinski
Address 101 ISANTI PARKWAY NE	City/State/Zip ISANTI / MN/ 55040
Phone 763-333- 6786	Email jarek@wolfriverelectric.com
Dwelling Contractor # BC773271	Dwelling Contractor Qualifier #

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

Description	Rate	Amount
Project - Per \$1,000 of estimated cost	\$10.00	\$130.72
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	\$ 206.00

Applicant Signature _____ **Date** 11/21/25

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: 1.000062299

Jan 19, 2026

800 E DEAN RD

Previous Balance:	.00
LICENSES & PERMITS - BUILDING PERMIT	206.00
24-44460 BUILDING PERMIT	

Total:	206.00
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CHECK	Check No: 18178	206.00
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Payor: LED LLC

Total Applied:	206.00
----------------	--------

Change Tendered:	.00
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01/19/2026 8:35 AM



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

Permit Number:

E- _____

OFFICE USE ONLY
Issued Date

ELECTRICAL PERMIT

Job Address 800 E Dean Rd, Fox Point Wisconsin 53217	Building Type: Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/>
Description of Work Roof Mounted PV solar	
Owner/Occupant Name Sarah Hoheneder	Phone Number (920) 627-1405

Contractor	
Company Name Wolf River Electric	Master Electrician Name DAN HALVORSEN
Address 101 ISANTI PARKWAY NE	City/State/Zip ISANTI / MN / 55040
Phone 763-333- 6786	Email jarek@wolfriverelectric.com
Master Electrician License Number 1568417	Electrical Contractor Number 1522577

Description	Rate	Qty	Amount
Devices (fixtures, switches, receptacles, luminaries, etc.)	\$1.00		
Range, disposal, dishwasher, clothes dryer, water heater	\$10.00		
LED, HID, mercury, sodium, metal halide, etc.	\$5.00		
Exhaust and ventilation fans	\$5.00		
Heating equipment (furnace, boiler)	\$15.00		
Space heating system, base board	\$5.00		
Air conditioner, refrigerating equipment	\$15.00		
Feeders, sub feeder, sub panel	\$15.00	2	\$30
Service switch or disconnect switch	\$5.00		
Services per 100 amp Service Size: 100 amps	\$30.00	1	\$30
Generator, transformers	\$30.00		
Swimming pools, spa, hot tub	\$60.00		
Motors over ¼ hp	\$5.00		
Fuel dispensing equipment	\$50.00		
Signs, illuminated	\$35.00		
Smoke/CO detectors	\$3.00		
Machines, motion picture, X-ray, welders, etc.	\$30.00		
Pole mounted fixtures	\$10.00		
Whirlpool tubs	\$30.00		
Fire alarm systems	\$60.00		
Temporary service	\$60.00		
Re-inspection	\$100.00		
Work started without permit	Double		
Minimum Fee			
\$60.00			
Payable to: Village of Fox Point		Total Permit Fee	\$60

Permit shall expire 12 months after the date of issuance, if installation of the electrical wiring has not commenced.

Applicant Signature _____

Date

11/21/25

Rev 01/22

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

PHOTOVOLTAIC ROOF MOUNT SYSTEM

21 MODULES-ROOF MOUNTED - 8.715 kW DC, 8.064 kW AC

800 E DEAN RD, MILWAUKEE, WI 53217



WOLF RIVER ELECTRIC
 101 ISANTI PARKWAY NE, SUITE G
 ISANTI, MN 55040
 ELECTRICAL CONTRACTOR: 1522577
 EXPIRATION DATE: 6/30/2028
 CONTACT: (763) 229-6662
 contact@wolfriverelectric.com

PHOTOVOLTAIC SYSTEM SPECIFICATIONS:

SYSTEM SIZE: 8.715 kW DC
 8.064 kW AC
 MODULE TYPE & AMOUNT: (21) SUNPOWER SPR-M415-BLK-H-AC (415W)
 MODULE DIMENSIONS: (L/W/H) 73.7"/40.6"/1.57"
 INVERTER: (21) ENPHASE IQ7HS-66-M-US [240V, 1 PHASE]
 INTERCONNECTION METHOD: LINE SIDE TAP

GENERAL STRUCTURAL NOTES:

- THE SOLAR PANELS ARE TO BE MOUNTED TO THE ROOF FRAMING USING THE PEGASUS COMP MOUNT & SUNPOWER INVISIMOUNT RAIL SYSTEM. THE MOUNTING FEET ARE TO BE SPACED AS SHOWN IN THE DETAILS, AND MUST BE STAGGERED TO ADJACENT FRAMING MEMBERS TO SPREAD OUT THE ADDITIONAL LOAD.
- UNLESS NOTED OTHERWISE, MOUNTING ANCHORS SHALL BE 5/16" LAG SCREWS WITH A MINIMUM OF 2 1/2" PENETRATION INTO ROOF FRAMING.
- THE PROPOSED PV SYSTEM ADDS 3.0 psf TO THE ROOF FRAMING SYSTEM.
 - ROOF LIVE LOAD = 20 psf TYPICAL, 0 psf UNDER NEW PV SYSTEM.
 - GROUND SNOW LOAD = 30 psf
 - WIND SPEED = 115 mph
 - EXPOSURE CATEGORY = B

AUTHORITIES HAVING JURISDICTION:

BUILDING: VILLAGE OF FOX POINT
 ZONING: VILLAGE OF FOX POINT
 UTILITY: WE ENERGIES
 UTILITY METER NO: 163 827 882

SHEET INDEX:

PV 0.0: COVER SHEET
 PV 0.1: PLOT PLAN
 PV 1.0: SITE PLAN
 PV 1.1: ATTACHMENT & STRING LAYOUT
 PV 1.2: EQUIPMENT ELEVATION
 S 1.0: MOUNT DETAILS
 E 1.1: 3-LINE DIAGRAM
 E 1.2: WIRE CALCULATION
 E 1.3: WARNING LABELS
 E 1.4: PLACARD
 D 1.1+: EQUIPMENT SPEC SHEET

GOVERNING CODES

ALL WORK SHALL CONFORM TO THE FOLLOWING CODES

- 2017 NATIONAL ELECTRICAL CODE
- 2015 INTERNATIONAL RESIDENTIAL CODE
- 2024 WISCONSIN UNIFORM DWELLING CODE
- 2015 INTERNATIONAL ENERGY CONSERVATION CODE
- ANY OTHER LOCAL AMENDMENTS

GENERAL ELECTRIC NOTES:

- ALL COMPONENTS ARE UL LISTED AND NEC CERTIFIED, WHERE WARRANTED.
- THE SOLAR PV SYSTEM WILL BE INSTALLED IN ACCORDANCE WITH ARTICLE 690 OF THE NEC 2017.
- THE UTILITY INTERCONNECTION APPLICATION MUST BE APPROVED AND PV SYSTEM INSPECTED PRIOR TO PARALLEL OPERATION.
- ALL CONDUCTORS OF A CIRCUIT, INCLUDING THE EGC, MUST BE INSTALLED IN THE SAME RACEWAY, OR CABLE, OR OTHERWISE RUN WITH THE PV ARRAY CIRCUIT CONDUCTORS WHEN THEY LEAVE THE VICINITY OF THE PV ARRAY.
- WHERE METALLIC CONDUIT CONTAINING DC CONDUCTORS IS USED INSIDE THE BUILDING, IT SHALL BE IDENTIFIED AS "CAUTION: SOLAR CIRCUIT" EVERY 10FT.
- HEIGHT OF THE AC DISCONNECT SHALL NOT EXCEED 6'-7" PER NEC CODE 240.24.
- A GROUNDING ELECTRODE SYSTEM IN ACCORDANCE WITH CEC 690.47 AND 250.50 THROUGH 60 AND 250-166 SHALL BE PROVIDED. PER NEC GROUNDING ELECTRODE SYSTEM OF EXISTING BUILDING MAY BE USED AND BONDED TO THE SERVICE ENTRANCE. IF EXISTING SYSTEM IS INACCESSIBLE OR INADEQUATE A SUPPLEMENTAL GROUNDING ELECTRODE WILL BE USED AT THE INVERTER LOCATION CONSISTING OF A UL LISTED 8 FT. GROUND ROD WITH ACORN CLAMP. GROUNDING ELECTRODE CONDUCTORS SHALL BE NO LESS THAN #8 AWG AND NO LARGER THAN #6 AWG COPPER AND BONDED TO THE EXISTING GROUNDING ELECTRODE TO PROVIDE FOR A COMPLETE SYSTEM.
- PHOTOVOLTAIC MODULES ARE TO BE CONSIDERED NON-COMBUSTIBLE.
- PHOTOVOLTAIC INSTALLATION WILL NOT OBSTRUCT ANY PLUMBING, MECHANICAL, OR BUILDING ROOF VENTS.
- ALL WIRING MUST BE PROPERLY SUPPORTED BY DEVICES OR MECHANICAL MEANS DESIGNED AND LISTED FOR SUCH USE. WIRING MUST BE PERMANENTLY AND COMPLETELY HELD OFF THE ROOF SURFACE.
- ALL SIGNAGE TO BE PLACED IN ACCORDANCE WITH THE LOCAL BUILDING CODE. IF EXPOSED TO SUNLIGHT, IT SHALL BE UV RESISTANT. ALL PLAQUES AND SIGNAGE WILL BE INSTALLED AS REQUIRED BY THE NEC AND AHJ.
- AS SPECIFIED BY THE AHJ, EQUIPMENT USED IN UNGROUNDED SYSTEMS LABELED ACCORDING TO NEC 690.35(F).
- INVERTER(S) USED IN UNGROUNDED SYSTEM SHALL BE LISTED FOR THIS USE [NEC 690.35(G)].
- THE INSTALLATION OF EQUIPMENT AND ALL ASSOCIATED WIRING AND INTERCONNECTION SHALL BE PERFORMED ONLY BY QUALIFIED PERSONS [NEC 690.4(C)]
- ALL OUTDOOR EQUIPMENT SHALL BE NEMA 3R RATED (OR BETTER), INCLUDING ALL ROOF MOUNTED TRANSITION BOXES AND SWITCHES.
- ALL EQUIPMENT SHALL BE PROPERLY GROUNDED AND BONDED IN ACCORDANCE WITH NEC ARTICLE 250.
- SYSTEM GROUNDING SHALL BE IN ACCORDANCE WITH NEC 690.41.
- PV SYSTEM CIRCUITS INSTALLED ON OR IN BUILDINGS SHALL INCLUDE A RAPID SHUTDOWN FUNCTION IN ACCORDANCE WITH NEC 690.12
- DISCONNECTING MEANS SHALL BE LOCATED IN A VISIBLE, READILY ACCESSIBLE LOCATION WITHIN THE PV SYSTEM EQUIPMENT OR A MAXIMUM OF 10 FEET AWAY FROM THE SYSTEM [NEC 690.13(A)]
- ALL WIRING METHODS SHALL BE IN ACCORDANCE WITH NEC 690.31
- WORK CLEARANCES AROUND ELECTRICAL EQUIPMENT WILL BE MAINTAINED PER NEC 110.26(A)(1), 110.26(A)(2) AND 110.26(A)(3).
- ROOFTOP MOUNTED PHOTOVOLTAIC PANELS AND MODULES SHALL BE TESTED, LISTED & IDENTIFIED IN ACCORDANCE WITH UL1703
- ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT EXPANSION JOINTS AND ANCHOR CONDUIT RUNS AS REQUIRED PER NEC.

REVISIONS

Description	Date	Rev
CAD 1	OCT. 28, 2025	00
CAD 2	NOV. 03, 2025	01
CAD 3	NOV. 08, 2025	02

Signature with Seal

Project Name & Address

SARAH E HOHENEDEK RESIDENCE
 800 E DEAN RD, MILWAUKEE, WI 53217
 AHJ: VILLAGE OF FOX POINT
 UTILITY: WE ENERGIES

DESIGNED BY:



TRIVENT CAD SOLUTION

Sheet Name

COVER SHEET

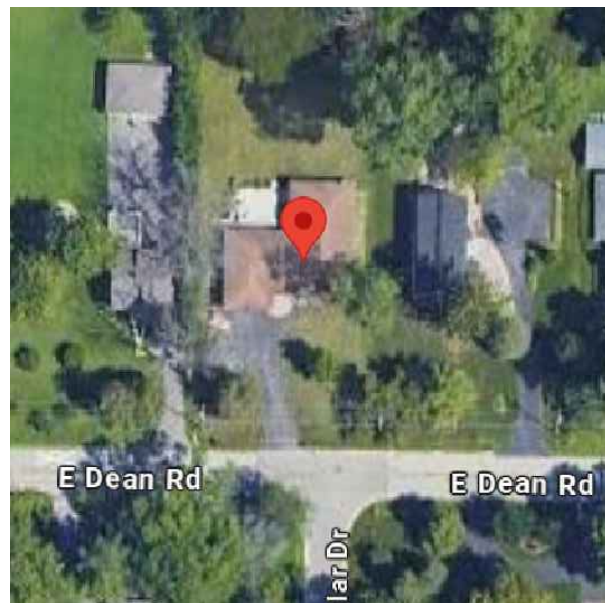
Sheet Size

ANSI B
 11" X 17"

Sheet Number

PV 0.0

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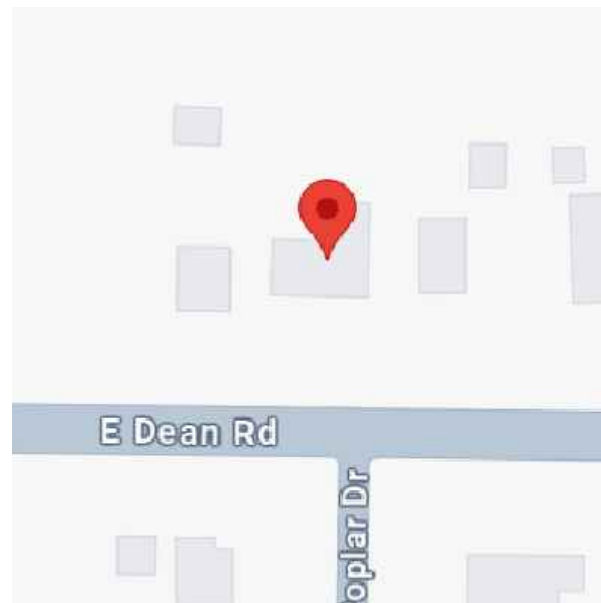


1 SATELLITE VIEW

PV 0.0

SCALE: NTS

43.169675, -87.899696



2 VICINITY MAP

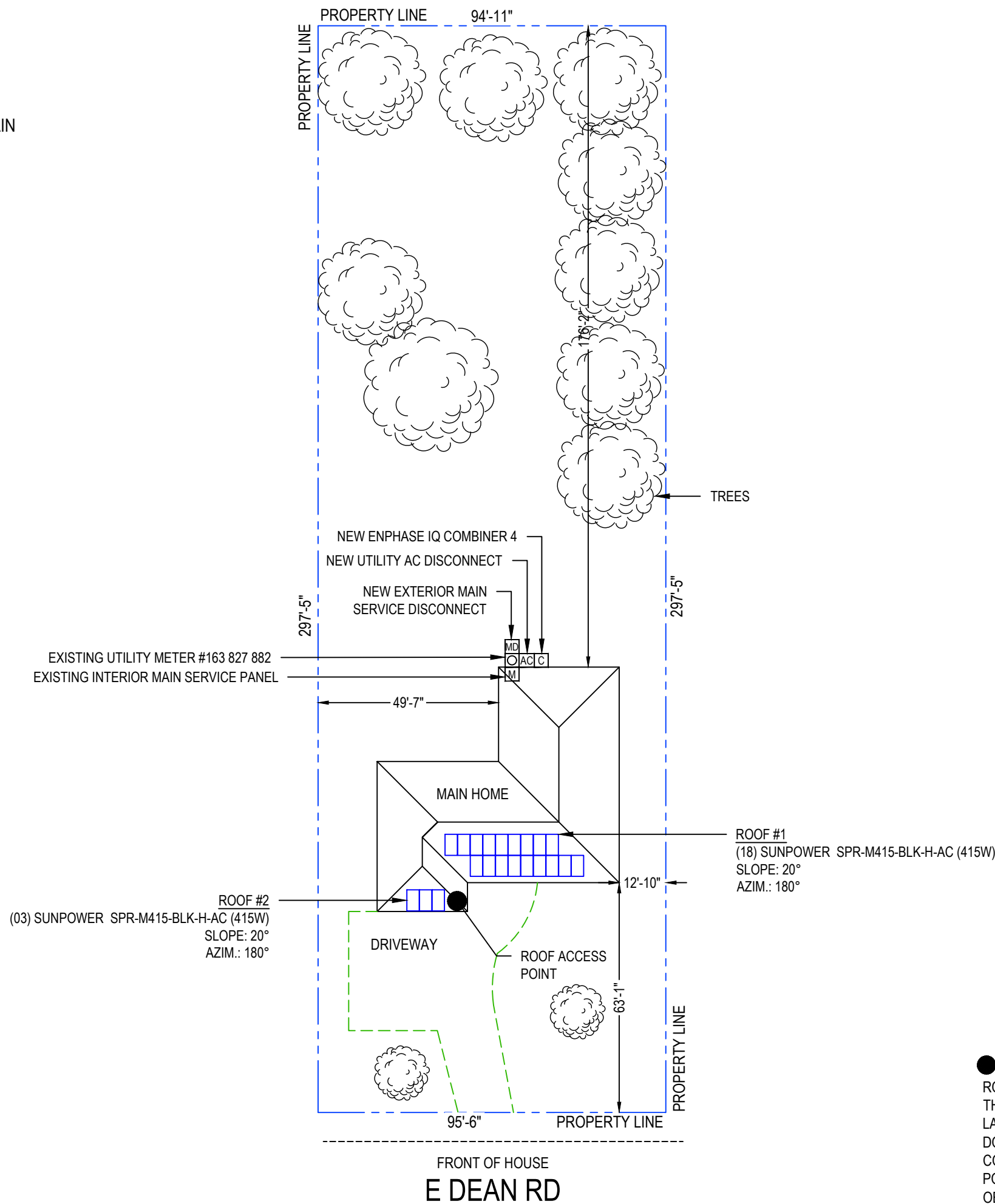
PV 0.0

SCALE: NTS

NOTE :

- 24/ 7 UNESCORTED KEYLESS ACCESS IS TO BE PROVIDED FOR ALL UTILITY EQUIPMENT.
- UTILITY AC DISCONNECT SHOULD BE LOCATED TOGETHER VISIBLE-OPEN, LOCKABLE & READILY ACCESSIBLE LOCATION MORE THAN 10' OF THE MAIN SERVICE METER.

NO FENCES OR GATES SURROUND THE PROPERTY

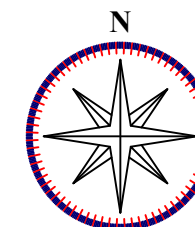


SYSTEM LEGEND

LOT: 0.65 ACRES

PARCEL: 0548007000

- PROPERTY LINE
- DRIVEWAY



WOLF RIVER ELECTRIC
 101 ISANTI PARKWAY NE, SUITE G
 ISANTI, MN 55040
 ELECTRICAL CONTRACTOR: 1522577
 EXPIRATION DATE: 6/30/2028
 CONTACT: (763) 229-6662
 contact@wolfriverelectric.com

REVISIONS

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DESIGNED BY:



TRIVENT CAD SOLUTION

Sheet Name

PLOT PLAN

Sheet Size

ANSI B
 11" X 17"

Sheet Number

PV 0.1

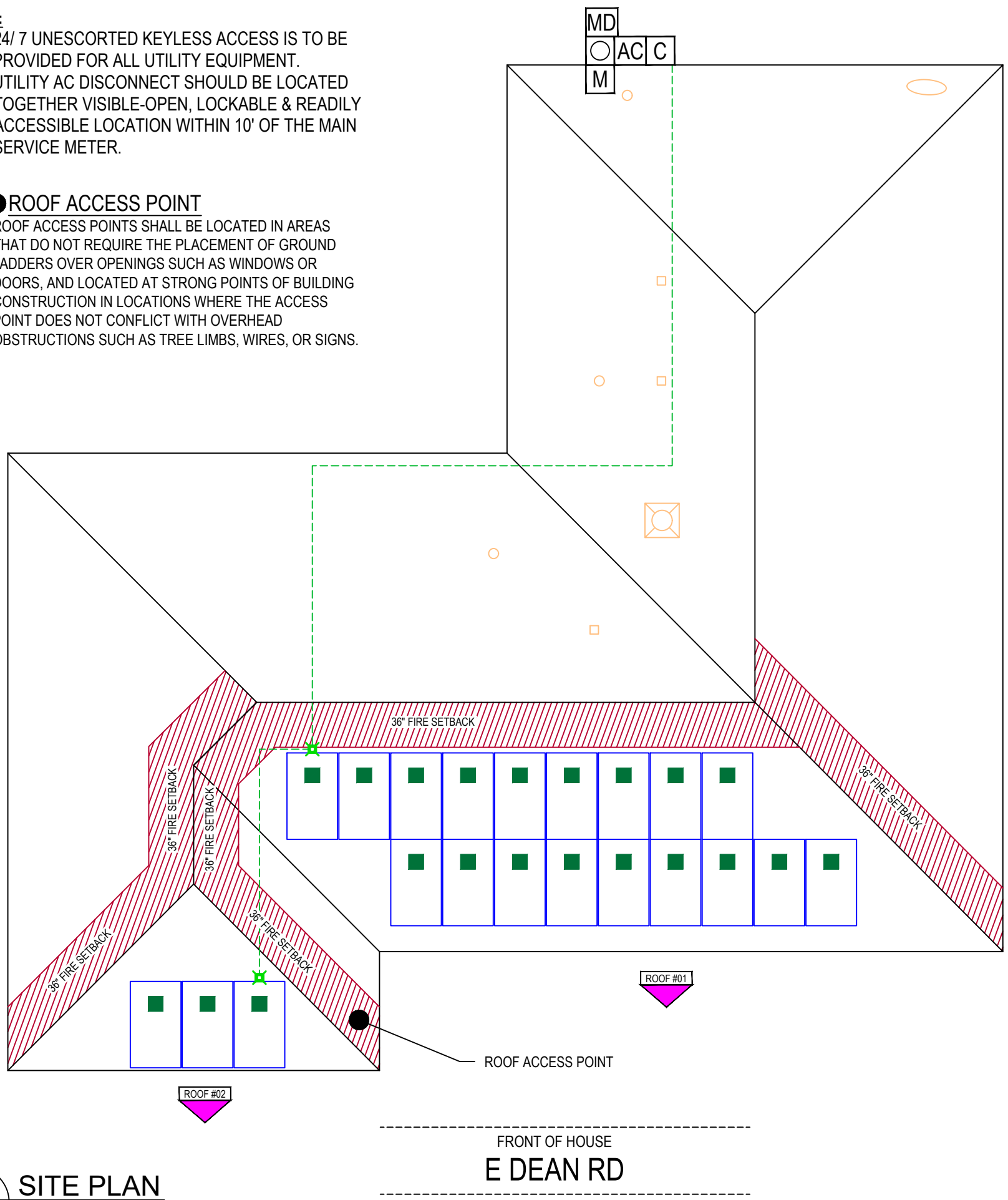
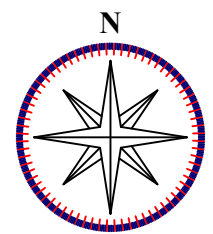
● ROOF ACCESS POINT
 ROOF ACCESS POINTS SHALL BE LOCATED IN AREAS THAT DO NOT REQUIRE THE PLACEMENT OF GROUND LADDERS OVER OPENINGS SUCH AS WINDOWS OR DOORS, AND LOCATED AT STRONG POINTS OF BUILDING CONSTRUCTION IN LOCATIONS WHERE THE ACCESS POINT DOES NOT CONFLICT WITH OVERHEAD OBSTRUCTIONS SUCH AS TREE LIMBS, WIRES, OR SIGNS.

NOTE :

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ROOF ACCESS POINTS SHALL BE LOCATED IN AREAS THAT DO NOT REQUIRE THE PLACEMENT OF GROUND LADDERS OVER OPENINGS SUCH AS WINDOWS OR DOORS, AND LOCATED AT STRONG POINTS OF BUILDING CONSTRUCTION IN LOCATIONS WHERE THE ACCESS POINT DOES NOT CONFLICT WITH OVERHEAD OBSTRUCTIONS SUCH AS TREE LIMBS, WIRES, OR SIGNS.



SYSTEM LEGEND

- EXISTING EXTERIOR UTILITY METER #163 827 882.
- NEW EXTERIOR MAIN SERVICE DISCONNECT
- EXISTING INTERIOR MAIN SERVICE PANEL
- NEW UTILITY AC DISCONNECT
- NEW ENPHASE IQ COMBINER 4
- 21 NEW SUNPOWER SPR-M415-BLK-H-AC (415W) MODULES NEW 21 - ENPHASE IQ7HS-66-M-US [240V, 1 PHASE] INVERTERS, MOUNTED ON THE BACK OF EACH MODULE.
- FIRE PATHWAY
- ROOF OBSTRUCTIONS
- = ATTIC RUN CONDUIT
- = ATTIC RUN CONDUIT JUNCTION BOX

WOLF RIVER ELECTRIC
 101 ISANTI PARKWAY NE, SUITE G
 ISANTI, MN 55040
 ELECTRICAL CONTRACTOR: 1522577
 EXPIRATION DATE: 6/30/2028
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ROOF SECTIONS

ROOF #01 MODULE - 18
 SLOPE - 20°
 AZIMUTH - 180°
 MATERIAL - COMPOSITION SHINGLE
 RAFTERS SIZE & SPACING - 2"x6" @ 16" O.C.

ROOF #02 MODULE - 03
 SLOPE - 20°
 AZIMUTH - 180°
 MATERIAL - COMPOSITION SHINGLE
 RAFTERS SIZE & SPACING - 2"x6" @ 16" O.C.

NOTE:
 ATTIC RUN CONDUIT SHALL BE MINIMUM 18 INCHES FROM ROOF SHEATING.

Project Name & Address

SARAH E HOHENEDEER RESIDENCE
 800 E DEAN RD, MILWAUKEE, WI 53217
 AHJ: VILLAGE OF FOX POINT
 UTILITY: WE ENERGIES

DESIGNED BY:

TRIVENT CAD SOLUTION

Sheet Name

SITE PLAN

Sheet Size

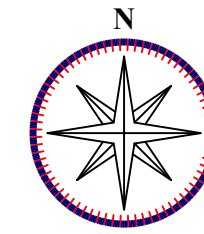
**ANSI B
 11" X 17"**

Sheet Number

PV 1.0

TOTAL ROOF AREA: 3267ft²
 TOTAL MODULE AREA: 436ft²
 TOTAL AREA COVERED: 13.36%

NOTE: THE MAXIMUM CANTILEVER OF THE RAIL SHALL BE 1/3 OF THE ATTACHMENT SPACING.



SYSTEM LEGEND

- = ATTACHMENT POINTS(44 Nos)
- - - = RAFTERS
- - - = RAIL SYSTEM

CIRCUIT(S)

- CIRCUIT #01 # MODULE - 07
- CIRCUIT #02 # MODULE - 07
- CIRCUIT #03 # MODULE - 07



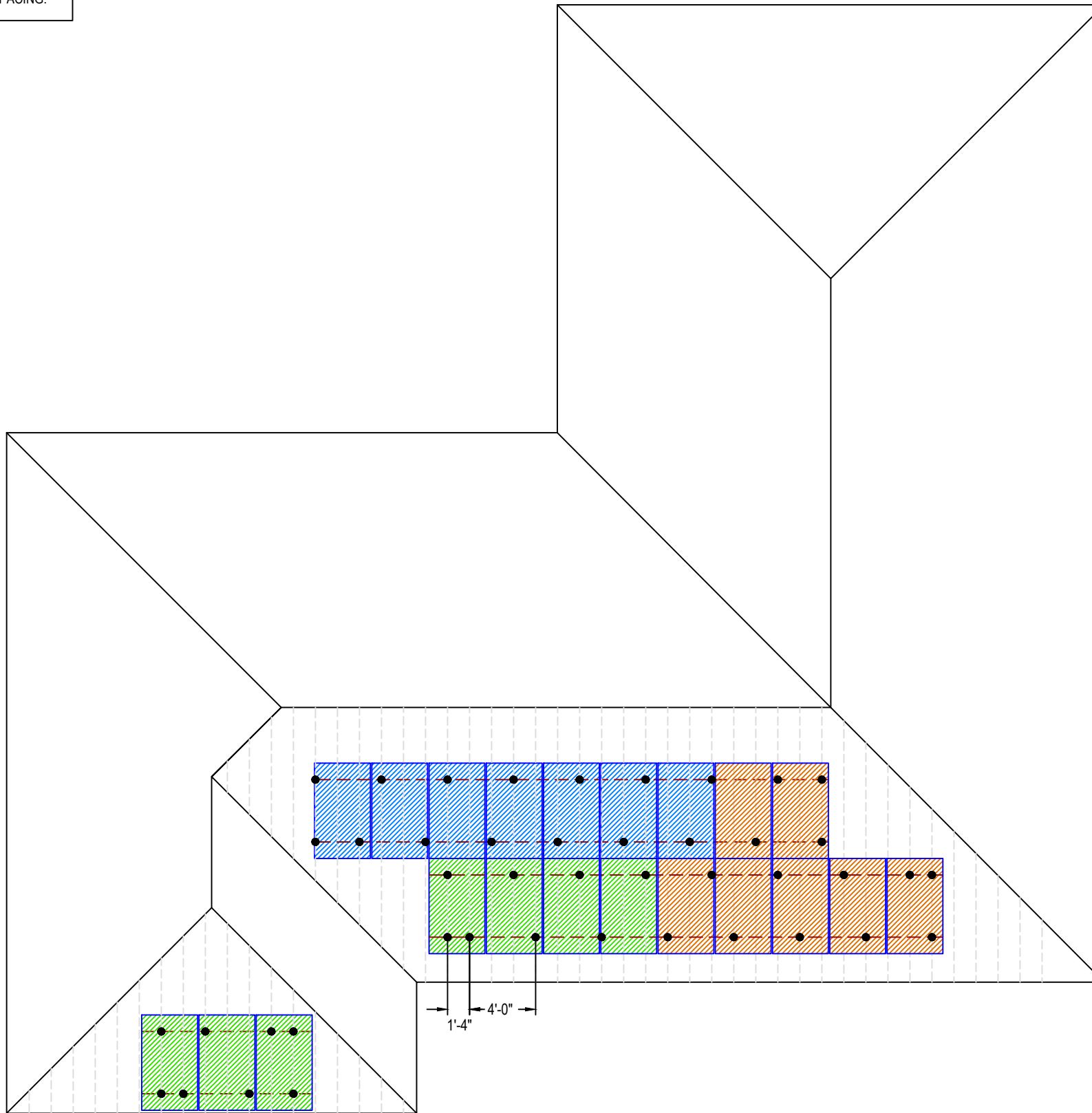
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 800 E DEAN RD, MILWAUKEE, WI 53217
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MODULE, ARRAY & ATTACHMENT POINT WEIGHT

	Quantity	Lbs./Unit	Lbs./Qty.
Module	21	40	840.00
Mount Blk	44	4.50	198.00
Coupling Blk	30	4.00	120.00
Microinverters	21	2.38	49.98
Flashing	44	1.00	44.00
Slidecomp	44	1.00	44.00
Clip SS	21	1.00	21.00
Total Point Attachment Load per Standoff			29.93
Total System Weight (LBS.)			1316.98
Attachment Point Weight (LBS.) Per Sq.Ft.			System Weight / Array Area 3.02
ARRAY AREA			
Module Area	Module Dim (73.7" x 40.6")	20.78 SQ. FT.	
Area of Array	436.37 SQ. FT.		
Roof Area	3267 SQ. FT.		
Roof Coverage (in percentage)	Roof Area/Array Area	13.36%	

DESIGNED BY:



TRIVENT CAD SOLUTION

Sheet Name

ATTACHMENT & STRING LAYOUT

Sheet Size

**ANSI B
11" X 17"**

Sheet Number

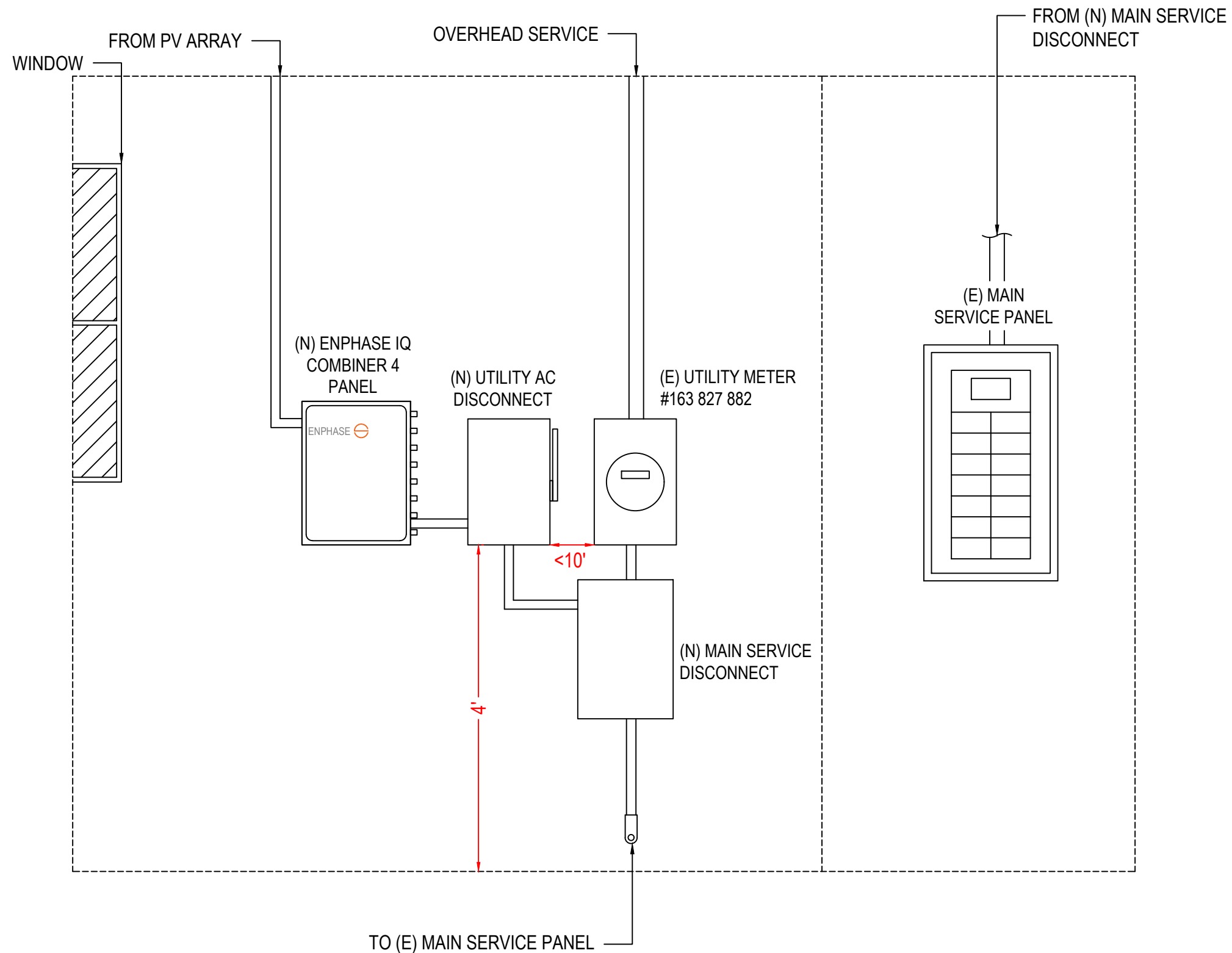
PV 1.1

1 ATTACHMENT AND STRING LAYOUT

PV 1.1 SCALE: 1/8" = 1'-0"

EXTERIOR WALL

INTERIOR WALL



WOLF RIVER ELECTRIC
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Project Name & Address

SARAH E HOHENEDEER RESIDENCE
 800 E DEAN RD, MILWAUKEE, WI 53217
 AHJ: VILLAGE OF FOX POINT
 UTILITY: WE ENERGIES

DESIGNED BY:



TRIVENT CAD SOLUTION

Sheet Name

EQUIPMENT
 ELEVATION

Sheet Size

ANSI B
 11" X 17"

Sheet Number

PV 1.2

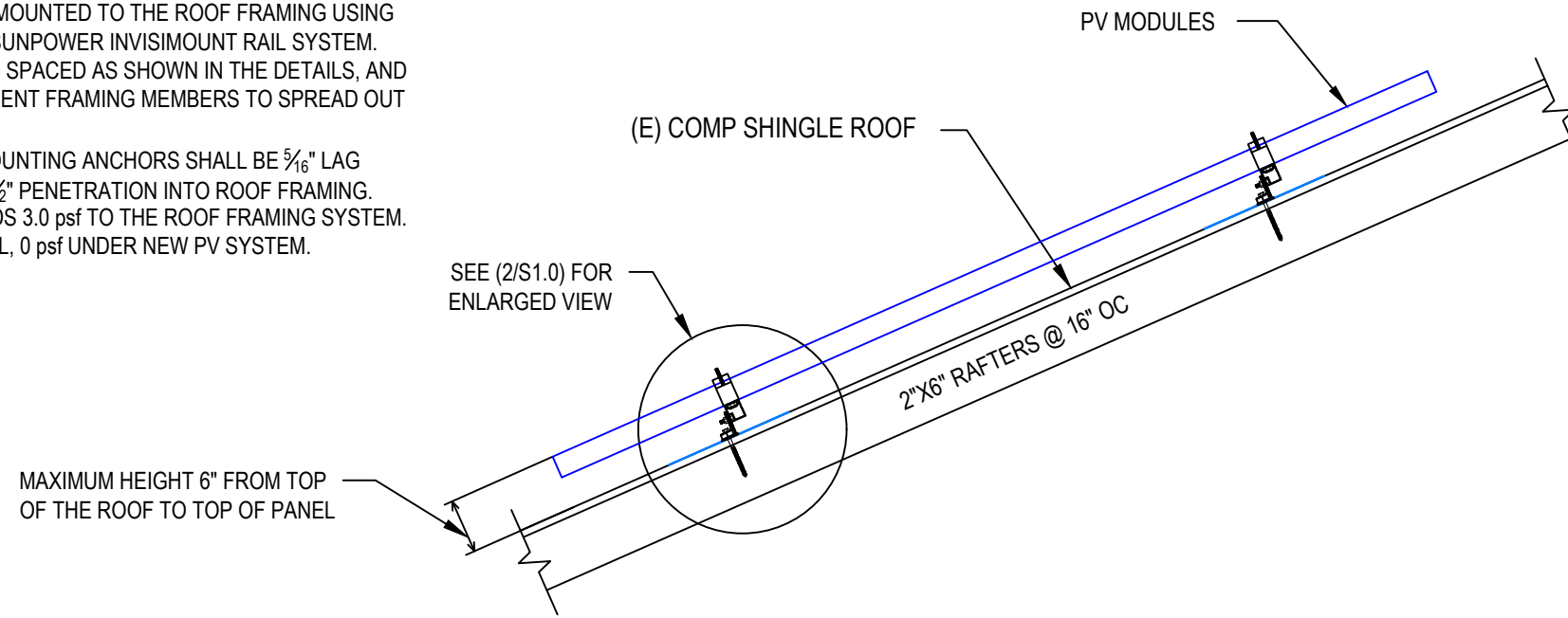
1 EQUIPMENT ELEVATION

PV 1.2

SCALE: NTS

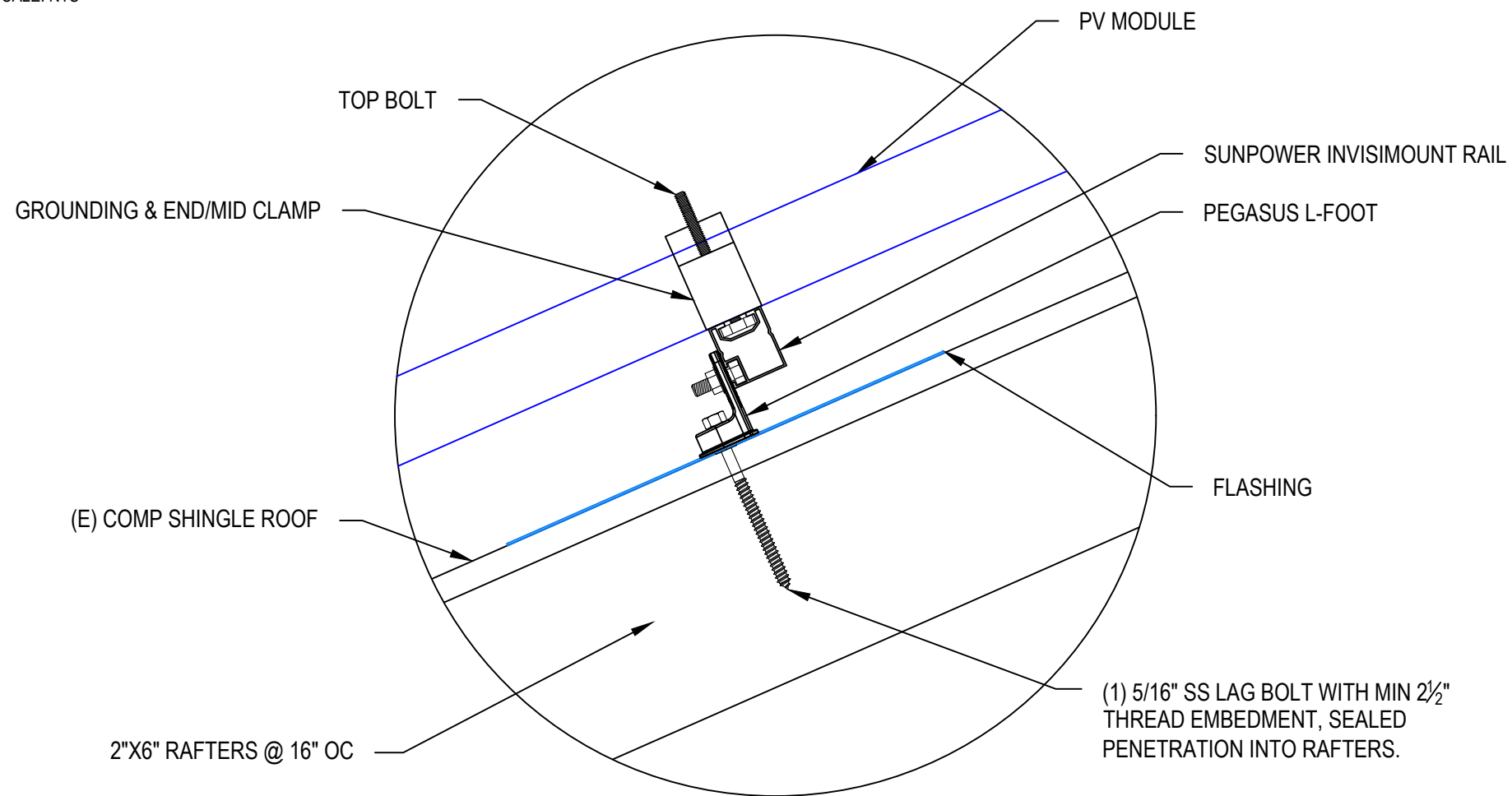
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- a. THE SOLAR PANELS ARE TO BE MOUNTED TO THE ROOF FRAMING USING THE PEGASUS COMP MOUNT & SUNPOWER INVISIMOUNT RAIL SYSTEM. THE MOUNTING FEET ARE TO BE SPACED AS SHOWN IN THE DETAILS, AND MUST BE STAGGERED TO ADJACENT FRAMING MEMBERS TO SPREAD OUT THE ADDITIONAL LOAD.
- b. UNLESS NOTED OTHERWISE, MOUNTING ANCHORS SHALL BE 5/16" LAG SCREWS WITH A MINIMUM OF 2 1/2" PENETRATION INTO ROOF FRAMING. THE PROPOSED PV SYSTEM ADDS 3.0 psf TO THE ROOF FRAMING SYSTEM.
- c. THE PROPOSED PV SYSTEM ADDS 3.0 psf TO THE ROOF FRAMING SYSTEM.
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- 2. GROUND SNOW LOAD = 30 psf
- 3. WIND SPEED = 115 mph
- 4. EXPOSURE CATEGORY = B



1 ATTACHMENT DETAIL

S 1.0 SCALE: NTS



2 ATTACHMENT DETAIL (enlarged view)

S 1.0 SCALE: NTS

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 101 ISANTI PARKWAY NE, SUITE G
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REVISIONS		
Description	Date	Rev
CAD 1	OCT. 28, 2025	00
CAD 2	NOV. 03, 2025	01
CAD 3	NOV. 08, 2025	02

Signature with Seal

Project Name & Address
SARAH E HOHENEDEK RESIDENCE
 800 E DEAN RD, MILWAUKEE, WI 53217
 AHJ: VILLAGE OF FOX POINT
 UTILITY: WE ENERGIES

DESIGNED BY:

 TRIVENT CAD SOLUTION

Sheet Name
MOUNT DETAILS

Sheet Size
**ANSI B
 11" X 17"**

Sheet Number
S 1.0

NOTE :

- 24/ 7 UNESCORTED KEYLESS ACCESS IS TO BE PROVIDED FOR ALL UTILITY EQUIPMENT.
- UTILITY AC DISCONNECT SHOULD BE LOCATED TOGETHER VISIBLE-OPEN, LOCKABLE & READILY ACCESSIBLE LOCATION WITHIN 10' OF THE MAIN SERVICE METER.

21 NEW SUNPOWER SPR-M415-BLK-H-AC (415W) MODULES
 NEW 21 - ENPHASE IQ7HS-66-M-US [240V, 1 PHASE]
 INVERTERS, MOUNTED ON THE BACK OF EACH MODULE.

Photovoltaic System	
DC System Size (Watts)	8715
AC System Size (Watts)	8064
Total Module Count	21

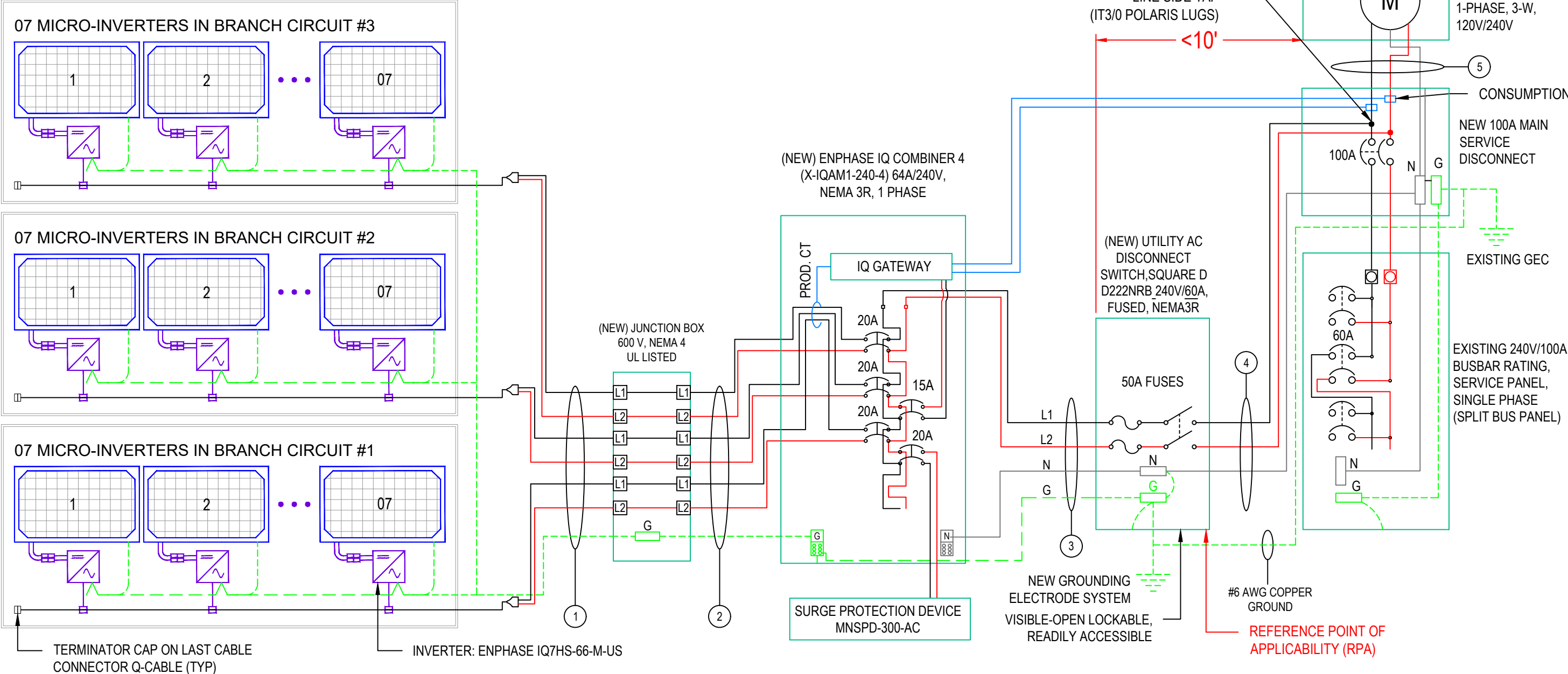
AHJ: VILLAGE OF FOX POINT
 UTILITY: WE ENERGIES

NOTE: UTILITY AC DISCONNECT TO BE INSTALLED WITHIN 10FT FROM UTILITY METER.

[240V, 1 PHASE] INVERTER SPECIFICATIONS	
MANUFACTURER	ENPHASE IQ7HS-66-M-US
MAX. DC VOLT RATING	59 VOLTS
PEAK OUTPUT POWER	384 WATTS
NOMINAL AC VOLTAGE	240 VOLTS
MAX. AC CURRENT	1.60 AMPS
MAX. OCPD RATING	20 AMPS
MAX. PANELS/CIRCUIT	10
SHORT CIRCUIT CURRENT	15 AMPS

Conduit Conductor Schedule (Unless Otherwise Specified Conductors Shall be Copper)					
Tag #	Description	Wire Gauge	# of Conductors/Color	Conduit Type	Conduit Size
1	Inverter Output(Enphase Q Cable)	12 AWG	6(3L1, 3L2)	Free Air	N/A
1	EGC (Bare Copper Ground)	6 AWG	1 BARE	Free Air	N/A
2	Inverter Output (THWN-2)	12 AWG	6(3L1, 3L2)	FMC	3/4"
2	EGC (THWN-2)	12 AWG	1 (GRN)	FMC	3/4"
3	Inverter Output (THWN)	6 AWG	3(L1, L2, N) B/R/W	SCH 80 PVC	1"
3	EGC (THWN)	10 AWG	1 (GRN)	SCH 80 PVC	1"
4	Inverter Output (THWN)	6 AWG	3(L1, L2, N) B/R/W	SCH 80 PVC	1"
5	Service Cable (Ser)	1/0 AWG AL	3(L1, L2, N) B/R/W	SCH 80 PVC	1-1/2"

PV MODULE RATING @ STC	
MANUFACTURER	SUNPOWER SPR-M415-BLK-H-AC (415W)
OUTPUT POWER	415W
POWER TOLERANCE	+5/-0%
MODULE EFFICIENCY	21.50%
TEMP. COEF. (POWER)	-0.29% / °C



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SARAH E HOHENEDE RESIDENCE
 800 E DEAN RD, MILWAUKEE, WI 53217
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DESIGNED BY:

 TRIVENT CAD SOLUTION
 Sheet Name
3-LINE DIAGRAM

Sheet Size
**ANSI B
 11" X 17"**
 Sheet Number
E 1.1

PV MODULE RATING @ STC	
MANUFACTURER	SUNPOWER SPR-M415-BLK-H-AC (415W)
OUTPUT POWER	415W
POWER TOLERANCE	+5/-0%
MODULE EFFICIENCY	21.50%
TEMP. COEF. (POWER)	-0.29% / °C

[240V, 1 PHASE] INVERTER SPECIFICATIONS	
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NOMINAL AC VOLTAGE	240 VOLTS
MAX. AC CURRENT	1.60 AMPS
MAX. OCPD RATING	20 AMPS
MAX. PANELS/CIRCUIT	10
SHORT CIRCUIT CURRENT	15 AMPS

Rooftop conductor ampacities designed in compliance with art. 690.8, Tables 310.15(B)(2)(a), 310.15(B)(3)(a), 310.15(B)(3)(c), 310.15(B)(16), Chapter 9 Table 4, 5, & 9. Location specific temperature obtained from ASHRAE 2017 data tables

RECORD LOW TEMP	-24°
AMBIENT TEMP (HIGH TEMP 2%)	32°
CONDUIT HEIGHT	IN ATTIC
CONDUCTOR TEMPERATURE RATE ON ROOF	90°
CONDUCTOR TEMPERATURE RATE OFF ROOF	75°

THIS PANEL IS FED BY MULTIPLE SOURCES (UTILITY AND SOLAR)	
AC OUTPUT CURRENT ACCORDING TO ART. 690.8(B)(1)	33.60A
NOMINAL AC VOLTAGE	240V

PERCENT OF VALUES	NUMBER OF CURRENT CARRYING CONDUCTORS IN CONDUIT
.80	4-6
.70	7-9
.50	10-20

OCPD Calculations

Breakers sized according to continuous duty output current. PV circuit nominal current based off # of modules per Circuit X (1.25[art. 690.8(A)]) X (1.6 Max AC current per micro-inverter)
 Circuit #1 = 07 modules, Output Current w/ continuous duty = 14.00 <= 20A Breaker
 Circuit #2 = 07 modules, Output Current w/ continuous duty = 14.00 <= 20A Breaker
 Circuit #3 = 07 modules, Output Current w/ continuous duty = 14.00 <= 20A Breaker

system output current w/ continuous duty = 42.00 <= 50A (System OCPD)

Conductor Calculations

Wire gauge calculated from code art. 310.15(B)(16) with ambient temperature calculations from art. 310.15(B)(2)(a). For "Inside Attic" conductors we use the 90°C column ampacity, the relevant ambient temperature adjustment, and raceway fill adjustments from 310.15(B)(16). Conduit shall be installed at least 18" below the roof deck. For "Off Roof" conductors we use the 75°C column ampacity, or the 75°C column ampacity with the relevant ambient temperature and raceway fill adjustments, whichever is less. The rating of the conductor after adjustments MUST be greater than, or equal to, the continuous duty output current.

Calculation Example - Wire Rating (90°C) x Ambient Temperature Adjustment x Conduit Fill Adjustment >= Continuous Duty Output Current

- (Tag 2 In attic):
 12 gauge wire rated for 30 A, 30 A x 0.96 x 0.8 (6 Conductors) = 23.04A > 14.00A
- (Tag 3, 4 Off Roof):
 6 gauge wire rated for 65A , 65A x 0.94 =61.1A > 42.00A (System Output Current)
- (Tag 5 Off Roof):
 1/0 gauge wire (AL) rated for 100A Service as per NEC Table 310.12

ELECTRICAL NOTES

- Designed according to and all code citations are relevant to the 2017 National Electrical Code.
- Tag 2-Use 96% temperature derate for conditions of use (In Attic)
- Tag 3 - Use 94% temperature derate for conditions of use (adjusted ambient)
- Bottom of conduit to be installed min. 7/8" above roof surface.
- System grounding & bonding designed in compliance with 690.47(C)3 and 250.64(E)
- Equipment shall be listed, tested, and marked to withstand the available short circuit current



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SARAH E HOHENEDE RESIDENCE
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TRIVENT CAD SOLUTION

Sheet Name
**WIRE
 CALCS**

Sheet Size
**ANSI B
 11" X 17"**

Sheet Number
E 1.2

⚠ WARNING
ELECTRICAL SHOCK HAZARD
 TERMINALS ON THE LINE AND
 LOAD SIDES MAY BE ENERGIZED
 IN THE OPEN POSITION

LABEL LOCATION: COMBINER PANEL, UTILITY AC
 DISCONNECT, POINT OF INTERCONNECTION
 PER CODE: NEC 690.13(B)

⚠ WARNING
 TURN OFF PHOTOVOLTAIC AC
 DISCONNECT PRIOR TO
 WORKING INSIDE PANEL

LABEL LOCATION: COMBINER PANEL(S), MAIN SERVICE DISCONNECT
 PER CODE: NEC 110.27(C), OSHA 1910.145(f)(7)

PHOTOVOLTAIC POWER SOURCE

LABEL LOCATION: DC CONDUIT/RACEWAY/CABLE TRAY
 PER CODE: NEC 690.31(G)(3-4)

PHOTOVOLTAIC SYSTEM UTILITY AC DISCONNECT
 RATED AC OUTPUT CURRENT: 33.60 A
 NOMINAL OPERATING AC VOLTAGE: 240 V

LABEL LOCATION: POINT OF INTERCONNECTION
 PER CODE: NEC 690.54

PHOTOVOLTAIC
UTILITY
AC DISCONNECT

LABEL LOCATION: UTILITY AC DISCONNECT
 PER CODE: NEC 690.13(B)

**DO NOT DISCONNECT
 UNDER LOAD**

LABEL LOCATION: MAIN SERVICE DISCONNECT
 PER CODE: NEC 690.15(C) & NEC 690.33(E)(2)

⚠ WARNING DUAL POWER SOURCE
SECOND SOURCE IS PHOTOVOLTAIC SYSTEM

LABEL LOCATION: MAIN SERVICE DISCONNECT
 PER CODE: NEC 705.12(B)(3-4), NEC 690.59

**MAIN PHOTOVOLTAIC
 SYSTEM DISCONNECT**

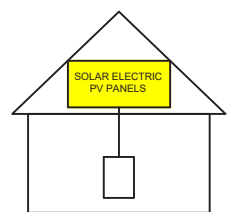
LABEL LOCATION: MAIN SERVICE DISCONNECT, UTILITY METER
 PER CODE: NEC 690.13(B)

**RAPID SHUTDOWN FOR
 SOLAR PV SYSTEM**

LABEL LOCATION: RSD INITIATION DEVICE, UTILITY AC DISCONNECT
 PER CODE: NEC 690.56(C)(3)

**SOLAR PV SYSTEM EQUIPPED
 WITH RAPID SHUTDOWN**

TURN RAPID SHUTDOWN
 SWITCH TO THE
 "OFF" POSITION TO
 SHUT DOWN PV SYSTEM
 AND REDUCE
 SHOCK HAZARD
 IN THE ARRAY



LABEL LOCATION: MAIN SERVICE DISCONNECT
 PER CODE: NEC 690.56(C)(1)(a)



**WOLF RIVER
 ELECTRIC**
 101 ISANTI PARKWAY NE, SUITE G
 ISANTI, MN 55040
 ELECTRICAL CONTRACTOR: 1522577
 EXPIRATION DATE: 6/30/2028
 CONTACT: (763) 229-6662
 contact@wolfriverelectric.com

REVISIONS		
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Signature with Seal

Project Name &
 Address

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 UTILITY: WE ENERGIES

DESIGNED BY:



TRIVENT CAD SOLUTION

Sheet Name

**WARNING
 LABELS**

Sheet Size

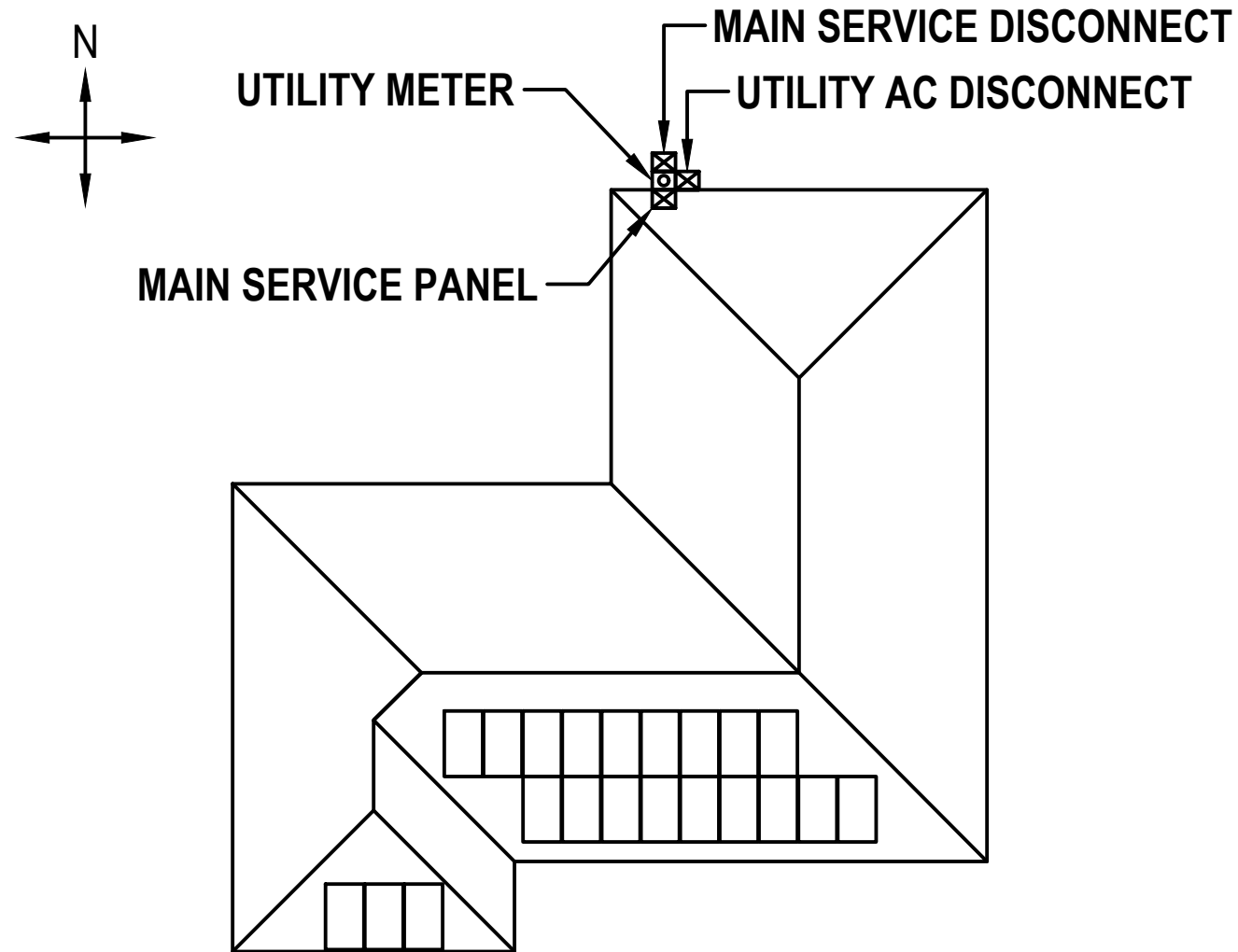
**ANSI B
 11" X 17"**

Sheet Number

E 1.3

CAUTION ! MULTIPLE SOURCES OF POWER

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



E DEAN RD

Serviced by Wolf River Electric
Contact: (763) 229-6662



WOLF RIVER ELECTRIC
101 ISANTI PARKWAY NE, SUITE G
ISANTI, MN 55040
ELECTRICAL CONTRACTOR: 1522577
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TRIVENT CAD SOLUTION

Sheet Name

PLACARD

Sheet Size

ANSI B
11" X 17"

Sheet Number

E 1.4



SUNPOWER®

425-410 W Residential Black AC Module

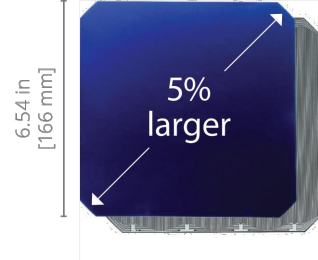
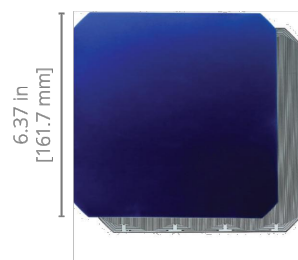
SunPower® Maxeon® Technology

Built specifically for use with the SunPower Equinox® system, the only fully integrated solution designed, engineered, and warranted by one company.



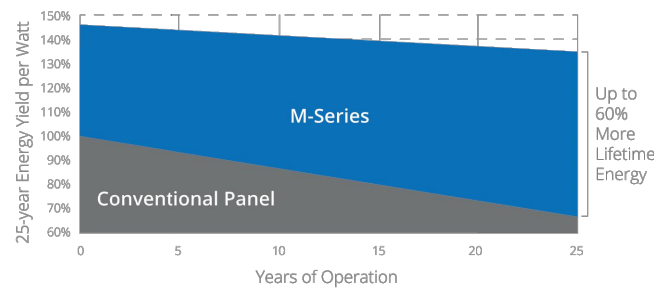
Highest Power Density Available

The patented, solid-copper foundation Maxeon Gen 6 cell is over 5% larger than prior generations, delivering the highest-efficiency all-black AC solar module available.¹



Highest Lifetime Energy and Savings

Designed to deliver 60% more energy over 25 years in real-world conditions like partial shade and high temperatures.²



Best Reliability, Best Warranty

With more than 42.6 million and 15 GW of modules deployed around the world, SunPower technology is proven to last. That's why we stand behind our module and microinverter with the industry's best 25-year Combined Power and Product Warranty, including the highest Power Warranty in solar.

Part of the SunPower Equinox® Solar System

- Seamless aesthetics
- Compatible with mySunPower monitoring



Factory-integrated Microinverter

- Highest-power integrated AC module in solar
- Engineered and calibrated by SunPower for SunPower AC modules



M425-BLK | M415-BLK | M410-BLK SunPower Residential Black AC Module

AC Electrical Data		
	@240 VAC	@208 VAC
Inverter Model: Type H (Enphase IQ7HS)		
Max. Continuous Output Power (VA)	384	369
Nom. (L-L) Voltage/Range ³ (V)	240 / 211–264	208 / 183–229
Max. Continuous Output Current (A)	1.60	1.77
Max. Units per 20 A (L-L) Branch Circuit ⁴	10	9
CEC Weighted Efficiency	97.0%	96.5%
Nom. Frequency	60 Hz	60 Hz
Extended Frequency Range	47–68 Hz	47–68 Hz
AC Short Circuit Fault Current Over 3 Cycles	4.82 A	4.82 A
Overvoltage Class AC Port	III	III
AC Port Backfeed Current	18 mA	18 mA
Power Factor Setting	1.0	1.0
Power Factor (adjustable)	0.85 (inductive) / 0.85 (capacitive)	0.85 (inductive) / 0.85 (capacitive)

DC Power Data			
	SPR-M425-BLK-H-AC	SPR-M415-BLK-H-AC	SPR-M410-BLK-H-AC
Nom. Power ⁶ (P _{nom}) W	425	415	410
Power Tolerance	+5/-0%	+5/-0%	+5/-0%
Module Efficiency	22.0%	21.5%	21.2%
Temp. Coef. (Power)	-0.29% / °C	-0.29% / °C	-0.29% / °C
Shade Tolerance	Integrated module-level max. power point tracking		

Tested Operating Conditions	
Operating Temp.	-40° F to +185° F (-40° C to +85° C)
Max. Ambient Temp.	122° F (50° C)
Max. Test Load ⁸	Wind: 125 psf, 6000 Pa, 611 kg/m ² back Snow: 187 psf, 9000 Pa, 917 kg/m ² front
Max. Design Load	Wind: 75 psf, 3600 Pa, 367 kg/m ² back Snow: 125 psf, 5400 Pa, 550 kg/m ² front
Impact Resistance	1 inch (25 mm) diameter hail at 52 mph (23 m/s)

Mechanical Data	
Solar Cells	66 Maxeon Gen 6
Front Glass	High-transmission tempered glass with anti-reflective coating
Environmental Rating	Outdoor rated
Frame	Class 1 black anodized (highest AAMA rating)
Weight	48 lbs (21.8 kg)
Recommended Max. Module Spacing	1.3 in. (33 mm)

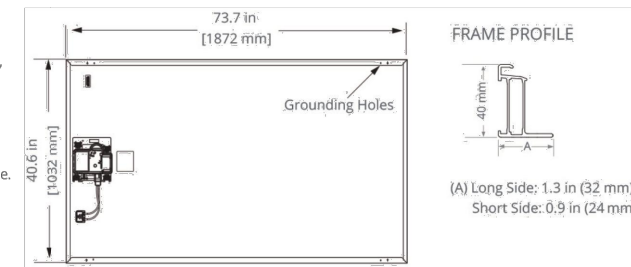
Warranties, Certifications, and Compliance	
Warranties	<ul style="list-style-type: none"> • 25-year limited power warranty • 25-year limited product warranty
Certifications and Compliance	<ul style="list-style-type: none"> • UL 1741 / IEEE-1547 • UL 1741 AC Module • UL 61730 (Type 2 fire rated) • UL 62109-1 / IEC 62109-2 • FCC Part 15 Class B • ICES-0003 Class B • CAN/CSA-C22.2 NO. 107.1-01 • CA Rule 21 (UL 1741 SA)⁵ • (Includes Volt/Var and Reactive Power Priority) • UL Listed PV Rapid Shutdown Equipment⁷ <p>Enables installation in accordance with:</p> <ul style="list-style-type: none"> • NEC 690.6 (AC module) • NEC 690.12 Rapid Shutdown (inside and outside the array) • NEC 690.15 AC Connectors, 690.33(A)-(E)(1) <p>When used with AC module Q Cables and accessories (UL 6703 and UL 2238)⁷</p> <ul style="list-style-type: none"> • Rated for load break disconnect
PID Test	1000 V; IEC 62804

Packaging Configuration	
Modules per pallet	25
Packaging box dimensions	75.4 × 42.2 × 48.0 in. (1915 × 1072 × 1220 mm)
Pallet gross weight	1300 lb (590 kg)
Pallets per container	32
Net weight per container	18,880 kg

1 Based on datasheet review of websites of top 20 manufacturers per IHS, as of July 2021.
 2 Maxeon 435 W, 22.5% efficient, compared to a Conventional Panel on same-sized arrays (300 W, 19% efficient, approx. 1.6 m²), 7.9% more energy per watt (based on PVsyst pan files for avg. US climate), 0.5%/yr slower degradation rate (Jordan, et. al. "Robust PV Degradation Methodology and Application."PVSC 2018).
 3 Based on search of datasheet values from websites of top 10 manufacturers per IHS, as of June 2021.
 4 Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.
 5 Factory set to IEEE 1547a-2014 default settings. CA Rule 21 default settings profile set during commissioning.
 6 Standard Test Conditions (1000 W/m² irradiance, AM 1.5, 25°C). All DC voltage is fully contained within the module.
 7 UL Listed as PVSRSE and conforms with NEC 2014 and NEC 2017 690.12; and C22.1-2015 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors; when installed according to manufacturer's instructions.
 8 Please read the safety and installation instructions for more information regarding load ratings and mounting configurations.

See www.sunpower.com/company for more reference information. For more details, see extended datasheet: www.sunpower.com/solar-resources. Specifications included in this datasheet are subject to change without notice.

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Please read the safety and installation instructions for details.



544400 RevA
January 2022



WOLF RIVER ELECTRIC
101 ISANTI PARKWAY NE, SUITE G
ISANTI, MN 55040
ELECTRICAL CONTRACTOR: 1522577
EXPIRATION DATE: 6/30/2028
CONTACT: (763) 229-6662
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800 E DEAN RD, MILWAUKEE, WI 53217
AHJ: VILLAGE OF FOX POINT
UTILITY: WE ENERGIES

DESIGNED BY:



TRIVENT CAD SOLUTION

Sheet Name
MODULE
SPEC SHEET

Sheet Size

ANSI B
11" X 17"

Sheet Number

D 1.1

Enphase SPWR-A5 (IQ7HS) Microinverter

The high-powered smart grid-ready **Enphase SPWR-A5 Microinverter™** with integrated MC4 connectors dramatically simplify the installation process while achieving the highest system efficiency.

The IQ Series Microinverters extend the reliability standards set forth by previous generations and undergo over a million hours of power-on testing, enabling Enphase to provide an industry-leading warranty of up to 25 years.



Easy to Install

- Lightweight and simple
- Faster installation with improved, lighter two-wire cabling
- Built-in rapid shutdown compliant (NEC 2014 & 2017)

Efficient and Reliable

- Optimized for high powered 66-cell* modules
- Highest CEC efficiency of 97.0%
- More than a million hours of testing
- Class II double-insulated enclosure
- UL listed

Smart Grid Ready

- Complies with advanced grid support, voltage and frequency ride-through requirements
- Remotely updates to respond to changing grid requirements
- Configurable for varying grid profiles
- Meets CA Rule 21 (UL 1741-SA)

* The IQ7HS is required to support 66-cell modules.



To learn more about Enphase offerings, visit enphase.com



Enphase IQ7HS Microinverter

INPUT DATA (DC)		IQ7HS-66-M-US
Commonly used module pairings ¹	320 W - 460 W +	
Module compatibility	66-cell PV modules	
Maximum input DC voltage	59 V	
Peak power tracking voltage	38 V - 43 V	
Operating range	20 V - 59 V	
Min/Max start voltage	30 V / 59 V	
Max DC short circuit current (module I _{sc})	15 A	
Overvoltage class DC port	II	
DC port backfeed current	0 A	
PV array configuration	1 x 1 ungrounded array; No additional DC side protection required; AC side protection requires max 20A per branch circuit	
OUTPUT DATA (AC)		@240 VAC @208 VAC
Peak output power	384 VA	369 VA
Maximum continuous output power	384 VA	369 VA
Nominal (L-L) voltage/range ²	240 V / 211-264 V	208 V / 183-229 V
Maximum continuous output current	1.60 A (240V)	1.77 A (208V)
Nominal frequency	60 Hz	60 Hz
Extended frequency range	47 to 68 Hz	47 to 68 Hz
AC short circuit fault current over 3 cycles	4.82 A	4.82 A
Maximum units per 20 A (L-L) branch circuit ³	10	9
Overvoltage class AC port	III	III
AC port backfeed current	18 mA	18 mA
Power factor setting	1.0	1.0
Power factor (adjustable)	0.85 leading ...0.85 lagging	0.85 leading ...0.85 lagging
EFFICIENCY		@240 V @208 V
CEC weighted efficiency	97.0 %	96.5 %
MECHANICAL DATA		
Ambient temperature range	-40°C to +60°C	
Relative humidity range	4% to 100% (condensing)	
Connector type	Staubli made MC4	
Dimensions (WxHxD)	212 mm x 175 mm x 30.2 mm (without bracket)	
Weight	1.08 kg (2.38 lbs)	
Cooling	Natural convection - No fans	
Approved for wet locations	Yes	
Pollution degree	PD3	
Enclosure	Class II, corrosion resistant polymeric enclosure	
Environmental category / UV exposure rating	NEMA type 6 / outdoor	
Altitude	2000m	
FEATURES		
Communication	Power Line Communication (PLC)	
Disconnecting means	The AC and DC connectors have been evaluated and approved by UL for use as the load-break disconnect means required by NEC 690 and C22.1-2018 Rule 64-220.	
Compliance	CA Rule 21 (UL 1741-SA), HECO v1.1 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 and NEC-2017 section 690.12 and C22.1-2015 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to manufacturer's instructions.	

1. No enforced DC/AC ratio. See the compatibility calculator at <https://enphase.com/en-us/support/module-compatibility>.
 2. Nominal voltage range can be extended beyond nominal if required by the utility.
 3. Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.

To learn more about Enphase offerings, visit enphase.com

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WOLF RIVER ELECTRIC
 101 ISANTI PARKWAY NE, SUITE G
 ISANTI, MN 55040
 ELECTRICAL CONTRACTOR: 1522577
 EXPIRATION DATE: 6/30/2028
 CONTACT: (763) 229-6662
 contact@wolfriverelectric.com

REVISIONS

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Signature with Seal

Project Name & Address

SARAH E HOHENEDEK RESIDENCE
 800 E DEAN RD, MILWAUKEE, WI 53217
 AHJ: VILLAGE OF FOX POINT
 UTILITY: WE ENERGIES

DESIGNED BY:



TRIVENT CAD SOLUTION

Sheet Name

INVERTER
 SPEC SHEET

Sheet Size

ANSI B
 11" X 17"

Sheet Number

D 1.2

CERTIFICATE OF COMPLIANCE

Certificate Number 20220608-E341165 SB
 Report Reference E341165-20171030
 Date 2022-08-19

Issued to: Enphase Energy Inc.
 1420 N. McDowell Blvd. Petaluma, CA 94954-6515

This is to certify that representative samples of

Photovoltaic Grid Support Utility Interactive Inverter with Rapid Shutdown Functionality
 Models IQ7-60, IQ7PLUS-72, IQ7X-96, IQ7XS-96, may be f/b -2, -5, -E or -M, may be f/b -ACM, f/b -US, may be f/b -NM, may be f/b -RMA, may be f/b -&, where "&" designates additional characters.
 Models IQ7A, may be f/b S, f/b -66 or -72, may be f/b -2, -5, -E or -M, may be f/b -ACM, f/b -US, may be f/b -NM, may be f/b -RMA, may be f/b -&, where "&" designates additional characters.
 Model IQ7PD-72-2-US, may be f/b -&, where "&" designates additional characters.
 Model IQ7PD-84-2-US may be f/b -&, where "&" designates additional characters.
 Models IQ7HS, may be f/b -66 or -72, may be f/b -2, -5, -M or -E, may be f/b -ACM, f/b -US, may be f/b -NM, may be f/b -RMA, may be f/b -&, where "&" designates additional characters

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: See Page 2

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

B. Mahrenholz
 Bruce Mahrenholz, Director North American Certification Program



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CERTIFICATE OF COMPLIANCE

Certificate Number 20220608-E341165 SB
 Report Reference E341165-20171030
 Date 2022-08-19

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements. Standards for Safety:

UL 1741, Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources, Edition 3, Issue Date 09/28/2021. Including the requirements in UL 1741 Supplement SA and SB.

IEEE 1547, Interconnection and Interoperability of Distributed Energy Resources (DERs) with Associated Electric Power Systems (EPSs) Interfaces, Issue Date 02/15/2018

IEEE 1547.1, IEEE Standard Conformance Test Procedures for Interconnecting Distributed Energy Resources (DERs) with Electric Power Systems (EPSs) Associated Interfaces, Issue Date 03/05/2020.

UL 62109-1, Safety of Converters for Use in Photovoltaic Power Systems - Part 1: General Requirements; IEC 62109-2, Safety of Power Converters for use in Photovoltaic Power Systems - Part 2: Particular Requirements for Inverters.

CSA C22.2 No. 107.1-01, General Use Power Supplies.

R21 (SA): The evaluation was based Table SA1.1 option in UL1741SA to use the IEEE 1547.1-2020 and UL1741SB test methods in conjunction with using IEEE 1547-2018 as the SRD under which SA11.2 Normal Ramp Rate is not address. Additional testing was conducted to confirmed compliance to Normal Ramp Rate SA11.2.

14H (SA): The evaluation to the Standards above provides evidence of compliance to HECO Rule 14H, SRD V1.0, Interconnection Application.

14H (SB): The evaluation to the Standards above provides evidence of compliance to HECO Rule 14H, SRD V2.0, Interconnection Application.

Inverter Firmware Version:		
UL 1998 (grid support)	Date	Version/Revision
Yes	2022-06-01	V04.40.01

B. Mahrenholz
 Bruce Mahrenholz, Director North American Certification Program



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 UTILITY: WE ENERGIES

DESIGNED BY:



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Sheet Name
 INVERTER
 COMPLIANCE
 CERTIFICATE

Sheet Size

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Sheet Number

D 1.3



DATA SHEET

IQ Combiner 4/4C



X-IQ-AM1-240-4
X2-IQ-AM1-240-4
(IEEE 1547:2018)
X-IQ-AM1-240-4C
X2-IQ-AM1-240-4C
(IEEE 1547:2018)

IQ Combiner 4/4C

The Enphase IQ Combiner 4/4C with 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 an Eaton BR series busbar assembly.



IQ Series Microinverters
The high-powered smart grid-ready IQ Series Microinverters (IQ6, IQ7, and IQ8 Series) dramatically simplify the installation process.



IQ System Controller 2
Provides microgrid interconnection device (MID) functionality by automatically detecting grid failures and seamlessly transitioning the home energy system from grid power to backup power.



IQ Battery
All-in-one AC coupled storage system that is reliable, smart, simple, and safe. It provides backup capability, and installers can quickly design the right system size to meet the needs of both new and retrofit solar customers.



IQ Load Controller
Helps prioritize essential appliances during a grid outage to optimize energy consumption and prolong battery life.



5-year limited warranty
Refer to the <https://enphase.com/installers/resources/warranty> page for country-specific warranty information.



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IQC-4-4C-DSH-00217-2.0-EN-2024-04-12

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

IQC-4-4C-DSH-00217-2.0-EN-2024-04-12

IQC-4-4C-DSH-00217-2.0-EN-2024-04-12

MODEL NUMBER	UNITS	DESCRIPTION
X-IQ-AM1-240-4, X2-IQ-AM1-240-4	–	IQ Combiner 4 with an 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 and IQ System Controller 2 and to deflect heat.
IQ Combiner 4C (X-IQ-AM1-240-4C, X2-IQ-AM1-240-4C)	–	IQ Combiner 4C with an 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 2 and to deflect heat.

WHAT'S IN THE BOX	UNITS	DESCRIPTION
IQ Gateway printed circuit board	–	IQ Gateway is the platform for total energy management for comprehensive, remote maintenance, and management of the Enphase Energy System.
Busbar	–	80 A busbar with support for one IQ Gateway breaker and four 20 A breaker for installing IQ Series Microinverters and IQ Battery
IQ Gateway breaker	A	Circuit breaker, 2-pole, 10/15
Production CT	–	Pre-wired revenue-grade solid-core CT, accurate up to ±0.5%
Consumption CT	–	Two consumption metering split core or clamp-type CTs, shipped with the box, accurate up to ±2.5%
Enphase Mobile Connect (only with IQ Combiner 4C)	–	4G-based LTE-M1 cellular modem (CELLMODEM-M1-06-SP-05) with a five-year T-Mobile data plan

MICROINVERTERS, ACCESSORIES AND REPLACEMENT PARTS (not included; order separately)	UNITS	DESCRIPTION
Supported microinverters	–	IQ6, IQ7, and IQ8. Do not mix IQ6/IQ7 Microinverters with IQ8
Enphase Communications Kit COMMS-CELLMODEM-M1-06	–	- Includes COMMS-KIT-01 and CELLMODEM-M1-06-SP-05 with a 5-year Sprint data plan for Enphase sites
CELLMODEM-M1-06-SP-05	–	- 4G-based LTE-M1 cellular modem with a five-year Sprint data plan
CELLMODEM-M1-06-AT-05	–	- 4G-based LTE-M1 cellular modem with a five-year AT&T data plan
Circuit breakers (off-the-shelf)	–	Supports Eaton BR2xx, Siemens Q2xx and GE/ABB THQL21xx Series breakers (xx may be 10, 15, 20, 30, 40, 50, or 60). Supports Eaton BR220B, BR230B and BR240B circuit breakers compatible with hold-down kit.
Circuit breakers (provided by Enphase)	–	BRK-10A-2-240V, BRK-15A-2-240V, BRK-20A-2P-240V, BRK-15A-2P-240V-B, and BRK-20A-2P-240V-B
XA-SOLARSHIELD-ES	–	Replacement solar shield for IQ Combiner 4/4C
XA-ENV2-PCBA-4	–	IQ Gateway replacement printed circuit board (PCB) for IQ Combiner 4/4C
XA-PLUG-120-3	–	Accessory receptacle for power line carrier in IQ Combiner 4/4C (required for EPLC-01)
X-IQ-NA-HD-125A	–	Hold-down kit for Eaton circuit breaker with screws

ELECTRICAL SPECIFICATIONS	UNITS	DESCRIPTION
Rating	A	80
System voltage and frequency	–	120/240 VAC, 60 Hz
Busbar rating	A	125
Fault current rating	kAIC	10
Maximum continuous current rating (input from PV/storage)	A	64
Maximum fuse/Circuit rating (output)	A	90
Branch circuits (solar and storage)	–	Up to four 2-pole Eaton BR, Siemens Q, or GE/ABB THQL Series distributed generation (DG) breakers only (not included)
Maximum total branch circuit breaker rating (input)	A	80 A of distributed generation/95 A with IQ Gateway breaker included
IQ Gateway breaker	A	10 A or 15 A rating GE/Siemens/Eaton included
Production metering CT	A	200 A solid core pre-installed and wired to IQ Gateway
Consumption monitoring CT (CT-200-SPLIT/CT-200-CLAMP)	A	A pair of 200 A split core or clamp-type current transformers

MECHANICAL DATA	UNITS	DESCRIPTION
Dimensions (W x H x D)	cm (in)	37.5 x 49.5 x 16.8 (14.75 x 19.5 x 6.63). Height is 53.5 (21.06) with mounting brackets
Weight	kg (lb)	7.5 (16.5)
Ambient temperature range	°C (°F)	-40 to 46 (-40 to 115)
Cooling	–	Natural convection plus a heat shield
Enclosure environmental rating	–	Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction
Wire sizes	–	<ul style="list-style-type: none"> 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	m (ft)	Up to 2,600 (8,530)

COMMUNICATION INTERFACES	UNITS	DESCRIPTION
Integrated Wi-Fi	–	802.11b/g/n (dual band 2.4 GHz/5 GHz) for connecting the Enphase Cloud through the internet
Wi-Fi range (recommended)	m (ft)	10 (32.8)
Ethernet	–	Optional 802.3, Cat5E (or Cat 6) UTP Ethernet cable (not included) for connecting to the Enphase Cloud through the internet
Digital I/O	–	Digital input/output for grid operator control
USB 2.0	–	For Mobile Connect, Communications Kit 01 for IQ Battery 3/3T/10/10T, Communication Kit 02 for IQ Battery 5P
Access point (AP) mode	–	For connection between the IQ Gateway and a mobile device running the Enphase Installer App
Metering ports	–	Up to two Consumption CTs, one IQ Battery CT, and one Production CT
Power line communication	kHz	90-110
Web API	–	See https://developer-v4.enphase.com
Local API	–	See Guide for local API
Cellular/Mobile Connect	–	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 installations with Enphase IQ Batteries and/or IQ System Controllers

COMPLIANCE	UNITS	DESCRIPTION
IQ Combiner with IQ Gateway	–	CA Rule 21 (UL 1741-SA) IEEE 1547:2018 - UL 1741-SB, 3rd Ed. (X2-IQ-AM1-240-4 and X2-IQ-AM1-240-4C) CAN/CSA C22.2 No. 107.1, 47 CFR, Part 15, Class B, ICES 003, NOM-208-SCFI-2016 Production metering: ANSI C12.20 accuracy class 0.5 (PV production) / UL 60601-1/CANCSA 22.2 No. 61010-1, IEEE 2030.5/CSIP Compliant

COMPATIBILITY	UNITS	DESCRIPTION
PV	Microinverters	IQ6, IQ7, and IQ8 Series Microinverters
COMMS-KIT-01	IQ System Controller	EP200G101-M240US00
	IQ System Controller 2	EP200G101-M240US01
COMMS-KIT-02 ¹	IQ Battery	ENCHARGE-3-1P-NA, ENCHARGE-10-1P-NA, ENCHARGE-3T-1P-NA, ENCHARGE-10T-1P-NA
	IQ System Controller 3	SC200D111C240US01, SC200G111C240US01
	IQ Battery	IQBATTERY-5P-1P-NA

¹For information about IQ Combiner 4/4C compatibility with the 3rd-generation batteries, refer to the [compatibility matrix](#).

WOLF RIVER ELECTRIC
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ISANTI, MN 55040
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UTILITY: WE ENERGIES

DESIGNED BY:

TRIVENT CAD SOLUTION

Sheet Name
IQ COMBINER SPEC SHEET

Sheet Size
ANSI B
11" X 17"

Sheet Number
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SunPower® InvisiMount™ | Residential Mounting System

Simple and Fast Installation

- Integrated module-to-rail grounding
- Pre-assembled mid and end clamps
- Levitating mid clamp for easy placement
- Mid clamp width facilitates even module spacing
- Simple, pre-drilled rail splice
- UL 2703 Listed integrated grounding

Flexible Design

- Addresses nearly all sloped residential roofs
- Design in landscape and portrait
- Rails enable easy obstacle management

Customer-Preferred Aesthetics

- #1 module and #1 mounting aesthetics
- Best-in-class system aesthetics
- Premium, low-profile design
- Black anodized components
- Hidden mid clamps and end clamps hardware, and capped, flush rails

Part of Superior System

- Built for use with SunPower DC and AC modules
- Best-in-class system reliability and aesthetics
- Combine with SunPower modules and monitoring app



Elegant Simplicity

SunPower® InvisiMount™ is a SunPower-designed rail-based mounting system. The InvisiMount system addresses residential sloped roofs and combines faster installation time, design flexibility, and superior aesthetics. The InvisiMount product was specifically envisioned and engineered to pair with SunPower modules. The resulting system-level approach will amplify the aesthetic and installation benefits for both homeowners and installers.

sunpower.com



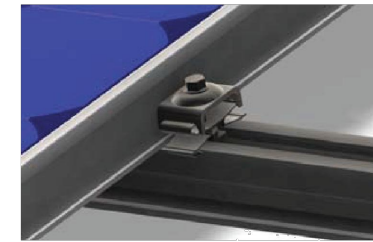
SUNPOWER®



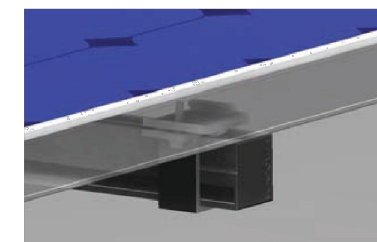
SunPower® InvisiMount™ | Residential Mounting System

InvisiMount Component Images

Module* / Mid Clamp and Rail



Module* / End Clamp and Rail



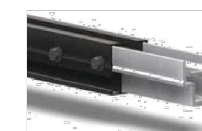
Mid Clamp



End Clamp



Rail & Rail Splice



Ground Lug Assembly



End Cap



InvisiMount Component Details		
Component	Material	Weight
Mid Clamp	Black oxide stainless steel AISI 304	63 g (2.2 oz)
End Clamp	Black anodized aluminum alloy 6063-T6	110 g (3.88 oz)
Rail	Black anodized aluminum alloy 6005-T6	830 g/m (9 oz/ft)
Rail Splice	Aluminum alloy 6005-T5	830 g/m (9 oz/ft)
Ground Lug Assembly	304 stainless (A2-70 bolt; tin-plated copper lug)	106.5 g/m (3.75 oz)
End Cap	Black acetal (POM) copolymer	10.4 g (0.37 oz)

Roof Attachment Hardware Supported by InvisiMount System Design Tool

Application
<ul style="list-style-type: none"> • Composition Shingle Rafter Attachment • Composition Shingle Roof Decking Attachment • Curved and Flat Tile Roof Attachment • Universal Interface for Other Roof Attachments

InvisiMount Operating Conditions	
Temperature	-40° C to 90° C (-40° F to 194° F)
Max. Load	2400 Pa uplift 5400 Pa downforce

InvisiMount Warranties And Certifications	
Warranties	25-year product warranty 5-year finish warranty
Certifications	UL 2703 Listed Class A fire rating when distance between roof surface and bottom of SunPower module frame is ≤ 3.5"

Roof Attachment Hardware Warranties	
Refer to roof attachment hardware manufacturer's documentation	

*Module frame that is compatible with the InvisiMount system required for hardware interoperability.

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101 ISANTI PARKWAY NE, SUITE G
ISANTI, MN 55040
ELECTRICAL CONTRACTOR: 1522577
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UTILITY: WE ENERGIES

DESIGNED BY:



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Sheet Name
**RAIL
SPEC SHEET**

Sheet Size

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SUNPOWER®

COMP MOUNT

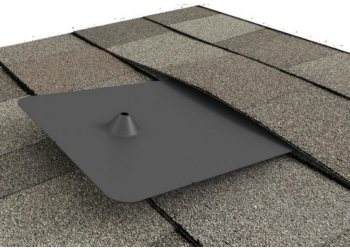
COMP MOUNT




1
Drill pilot hole in the center of the rafter.



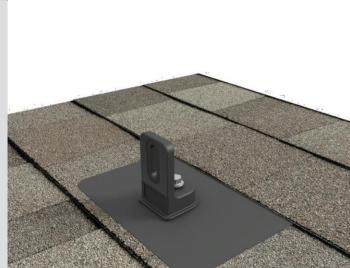
2
Optional: Apply a "u-shape" of sealant to the underside of the flashing and position under 2nd shingle course, cone over pilot hole.

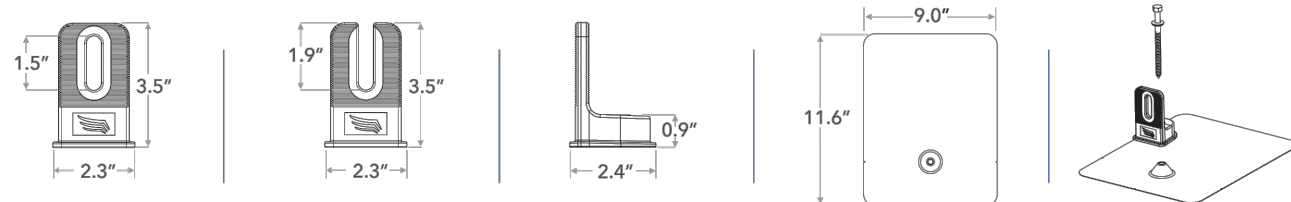


3
Place L-Foot over cone and install lag with washer through L-Foot.



4
Drive lag to required depth. Attach rail per rail manufacturer's instructions.





SPECIFICATIONS	COMP MOUNT INSTALL KITS				
SKU	PSCR-CBBO	PSCR-UBBO	SPCR-CBBH	PSCR-CMMO	PSCR-UMMO
Finish	Black L-Foot And Black Flashing			Mill	
L-Foot Type	Closed Slot	Open Slot	Closed Slot	Closed Slot	Open Slot
Kit Contents	L-Foot, Flashing, 5/16" x 4 1/2" SS Lag with metalized EPDM washer	L-Foot, Flashing, 5/16" x 4 1/2" SS Lag with metalized EPDM washer and M10 Hex Bolt	L-Foot, Flashing, 5/16" x 4 1/2" SS Lag with metalized EPDM washer	L-Foot, Flashing, 5/16" x 4 1/2" SS Lag with metalized EPDM washer	L-Foot, Flashing, 5/16" x 4 1/2" SS Lag with metalized EPDM washer
Roof Type	Composition Shingle				
Certifications	IBC, ASCE/SEI 7-16, AC286				
Install Application	Railed Systems				
Compatible Rail	Most				
Kit Quantity	24				
Boxes per Pallet	72				

Protected under US Patent: 10,998,847. Additional patents pending. All rights reserved. ©2021 Pegasus

Simple 3-Piece Design Watertight For Life

Pegasus solar's comp mounts are a cost effective, high-quality option for rail installations on composition shingle roofs. Designed to last decades, the one-piece flashing with elevated cone means there is simply nothing to fail.



25-Year Warranty

Manufactured with advanced materials and coatings to outlast the roof itself



Code Compliant

Fully IBC/CBC Code Compliant Exceeds ASCE 7-16 Standards



Superior Waterproofing

Tested to AC286 without sealant Water seal elevated 0.9" above



All-In-One Kit Packaging

Flashings, L-Feet and SS lags with bonded EPDM washers are included in each 24-pack



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Sheet Name
**MOUNTING
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MIDNITE SOLAR INC. Surge Protection

Surge Protection You Can Count On!

MidNite Solar Surge Protection Devices are type 1 devices, designed for indoor and outdoor applications. Engineered for both AC and PV DC electrical systems, they provide protection to service panels, load centers or electronic devices that are directly connected to a MidNite Surge Protection Device (SPD).

MidNite's SPD's are offered in four models to protect a variety of different voltage ranges. They achieve this protection by clamping surge voltage to a level that your system can sustain without damaging the components of the system.

Compare our SPD's against other surge protection devices. You will see there is no comparison in both our price and features. All our SPD's have a 5 year warranty.

With lightning you only get one chance, so get the best!



www.midnitesolar.com/spd

19115 - 62nd Ave. NE., Arlington, WA. 360-403-7207 FAX: 360-691-6862



MNSPD300ACFM (Cut-in box)
(MNSPD-300-AC included)



Four Models:
MNSPD-115
MNSPD-300-AC
MNSPD-300-DC
MNSPD-600

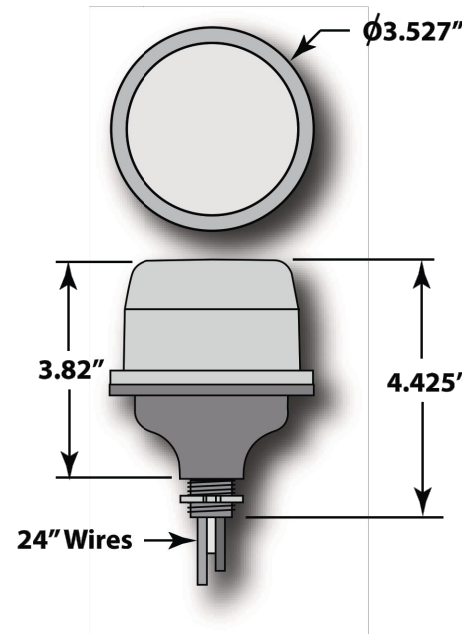


MidNite Surge Protection Devices

PART NUMBER	MNSPD-115	MNSPD-300-AC	MNSPD-300-DC	MNSPD-600
Nominal Voltage	0 to 90 VAC 0 to 115 VDC	0 to 250 VAC	0 to 300 VDC	0 to 480 VAC 0 to 600 VDC
MCOV	180V	470V	470V	780V
VPR Line to Ground	600V	1200V	1200V	1800V
Suggested Placement	Up to 90VAC circuits, 12V, 24V, 48VDC battery circuits	120/240 VAC circuits	Off-grid PV combiners Charge controller inputs up to 300VDC	316V/480 VAC circuits Grid-tie PV combiners Grid-tie inverter input Non-Isolated Inverters
Type	UL1449 4th Ed. Type 1	UL1449 4th Ed. Type 1	UL1449 4th Ed. Type 1	UL1449 4th Ed. Type 1
Diagnostic Blue LED	MNSPD-300-AC LED indicates when voltage is present between L1 + ground and L2 + ground MNSPD-115, MNSPD-300-DC and MNSPD-600: LED indicates when voltage is present between L1 + L2 (PV+ PV-)			
Thermal Disconnect	Internal Fuse			
Response Time	<1 micro sec.			



Performance	
Surge Current Rating per Phase	80kA
Short Circuit Current Rating	10kA
Fusing	Individually fused MOVs
Thermal Fusing	Yes
Over current Fusing	Yes
Operating Frequency	0 to 500 Hz
Mechanical Description	
Enclosure	Polycarbonate UL94V-0
Environmental Rating	Type 4X
Connection Method	#12 AWG
Weight	1 lb.
Mounting Method	1/2" Conduit Knockout
Operating Altitude	Sea Level - 12,000' (3,658 Meters)
Storage Temp	-40° F to +185° F (-40° C to +85° C)
Operating Temp	-40° F to +185° F (-40° C to +85° C)
Diagnostics	
Blue status LED, one per leg	
Listings and Performance	
UL Standard for Safety, UL 1449 Surge Protective Devices-Fourth Edition CSA C22.2 No. 8-M1986 Electromagnetic Interference (EMI) Filters, Fourth Edition	



Model No.	Max Operating Voltage	Surge Current per Phase	Configuration	MCOV	SCCR	VPR 600V/3kA L G
MNSPD-115	100 VAC/150VDC	80kA	1 Ø, 3-wire (2 Legs)	180V L-N	10kA	600V
MNSPD-300-AC	300VAC	80kA	1 Ø, 3-wire (2 Legs)	470V L-N	10kA	1200V
MNSPD-300-DC	385VDC	80kA	1 Ø, 3-wire (2 Legs)	470V L-N	10kA	1200V
MNSPD-600	480VAC/600VDC	80kA	1 Ø, 3-wire (2 Legs)	780V L-N	10kA	1800V

www.midnitesolar.com/spd

19115 - 62nd Ave NE, Arlington, WA 98223 PH. 360-403-7207 FAX 360-691-6862



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Sheet Number

D 1.7

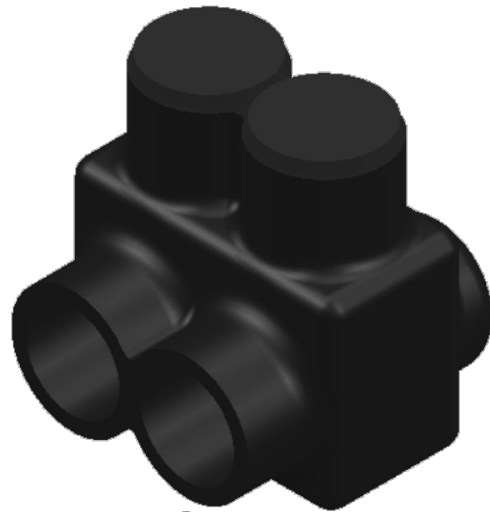


FIGURE 1
IT

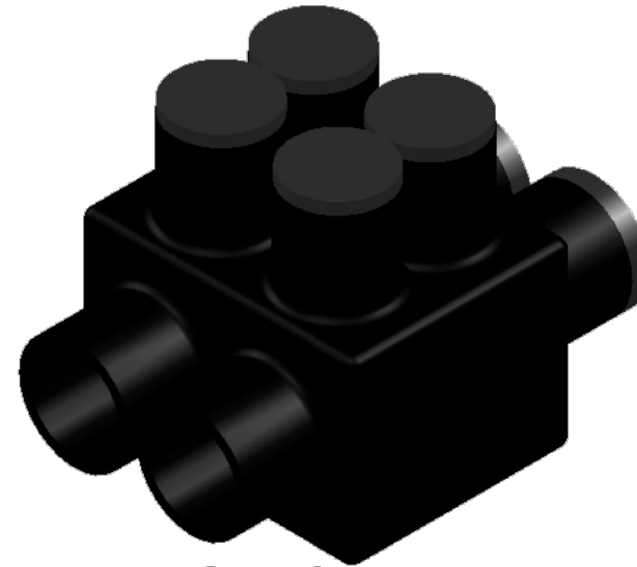


FIGURE 3
ITH

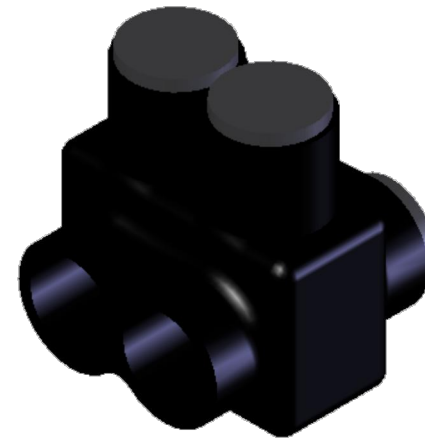


FIGURE 2
DUAL ENTRY

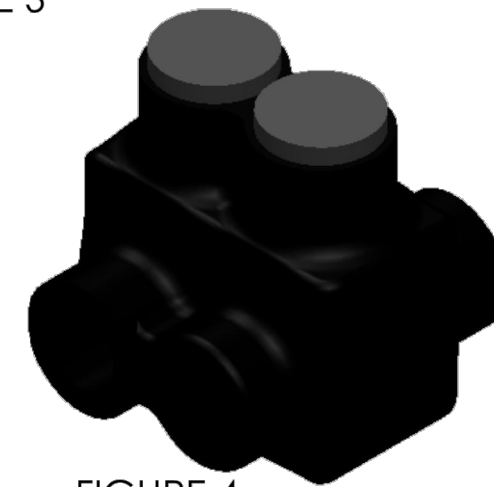


FIGURE 4
ITO

PART #	FIG. #	WIRE RANGE	HEX SIZE	L	W	H
IT4	1	4 - 14	SLOTTED	1.12	1.18	1.38
ITO4	4	4 - 14	SLOTTED	1.12	1.25	1.38
IT1/0	1	1/0 - 14	3/16	1.62	1.62	1.75
ITO1/0	4	1/0 - 14	3/16	1.62	1.75	1.75
IT3/0	1	3/0 - 6	1/4	1.84	1.75	1.87
ITO3/0	4	3/0 - 6	1/4	1.84	1.87	1.87
IT250	2	250 - 6	5/16	2.12	2.25	2.25
IT350	2	350 - 6	5/16	2.47	2.50	2.44
IT500	2	500 - 4	5/16	2.81	2.87	2.94
IT750*	2	750 - 250	3/8	3.48	3.50	3.50
IT600†	2	600 - 6	5/16	2.34	2.94	3.05
ITH750	3	750 - 250	5/16	3.48	4.50	3.50

† 600 SERIES ARE AL7CU AND 75°C

*NOT UL LISTED

NOTES:

1. CONNECTOR MANUFACTURED FROM 6061-T6 ALUMINUM ALLOY.
2. UL LISTED PER UL486A/B SPECIFICATIONS FOR 600V.
3. DUAL RATED FOR 90°C COPPER AND/OR ALUMINUM CONDUCTOR.
4. COLD TEMPERATURE RATED TO -45°C.
5. HIGH DIELECTRIC STRENGTH INSULATION IS ABRASION, CHEMICAL AND UV RESISTANT.

CONTACT NSI FOR SALES @ 800.321.5847

		POLARIS SALES . CO . INC					
PROPRIETARY AND CONFIDENTIAL		11625 PROSPEROUS DRIVE ODESSA, FL 33556					
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF POLARIS SALES CO. INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF POLARIS SALES CO. INC. IS PROHIBITED.		TITLE: IT SERIES INSULATED CONNECTORS					
<table border="1"> <thead> <tr> <th>NAME</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>S.PARRY</td> <td>6/13/2012</td> </tr> </tbody> </table>		NAME	DATE	S.PARRY	6/13/2012	DWG. NO. IT SERIES	
NAME	DATE						
S.PARRY	6/13/2012						
MATERIAL: N/A		NOT TO SCALE					
		SHEET: 1 OF 1					

REVISIONS		
Description	Date	Rev
CAD 1	OCT. 28, 2025	00
CAD 2	NOV. 03, 2025	01
CAD 3	NOV. 08, 2025	02

Signature with Seal

Project Name & Address

SARAH E HOHENEDEK RESIDENCE
 800 E DEAN RD, MILWAUKEE, WI 53217
 AHJ: VILLAGE OF FOX POINT
 UTILITY: WE ENERGIES

DESIGNED BY:



TRIVENT CAD SOLUTION

Sheet Name
 TAP KIT
 SPEC SHEET

Sheet Size
 ANSI B
 11" X 17"

Sheet Number
 D 1.8

Product data sheet

Specifications

SQUARE D

Green Premium



Safety switch, general duty, fusible, 60A, 2 pole, 15hp, 240VAC, NEMA 3R, bolt on provision, neutral factory installed

D222NRB

Product availability: Stock - Normally stocked in distribution facility

Main

Product	Single Throw Safety Switch
Duty Rating	General duty
Device Application	Residential
Disconnect Type	Fusible disconnect switch
Factory Installed Neutral	Neutral (factory installed)
Phase	1 phase
Number of Poles	2
Current Rating	60 A
Voltage Rating	240 V AC
Enclosure Rating NEMA	NEMA 3R
Motor power hp	1.5 hp at 120 V AC 60 Hz for 1 phase motors 3 hp at 120 V AC 60 Hz for 3 phase motors 3 hp at 240 V AC 60 Hz for 1 phase motors 7.5 hp at 240 V AC 60 Hz for 3 phase motors 10 hp at 240 V AC 60 Hz for 1 phase motors 15 hp at 240 V AC 60 Hz for 3 phase motors

Complementary

Short Circuit Current Rating	100 kA maximum depending on fuse H, K or R
Fuse type	H, K or R
Mounting Type	Surface
Electrical Connection	Lugs
Wiring configuration	3-wire
Wire Size	AWG 12...AWG 3 aluminium AWG 14...AWG 3 copper
Tightening torque	35 lbf.in (4.0 N.m) 0.003...0.008 in ² (2.08...5.26 mm ²) (AWG 14...AWG 10) 35 lbf.in (4.0 N.m) (AWG 14...AWG 10) 45 lbf.in (5.08 N.m) 0.01 in ² (8.37 mm ²) (AWG 8) 45 lbf.in (5.08 N.m) 0.02...0.03 in ² (12.3...21.12 mm ²) (AWG 6...AWG 4) 50 lbf.in (5.6 N.m) 0.04 in ² (26.67 mm ²) (AWG 3)
Depth	4.87 in (123.70 mm)
Width	7.45 in (189.23 mm)
Height	14.88 in (377.95 mm)
Net Weight	8.8 lb(US) (4 kg)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Sep 17, 2024

Life Is On | Schneider Electric

1

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications



WOLF RIVER ELECTRIC
101 ISANTI PARKWAY NE, SUITE G
ISANTI, MN 55040
ELECTRICAL CONTRACTOR: 1522577
EXPIRATION DATE: 6/30/2028
CONTACT: (763) 229-6662
contact@wolfriverelectric.com

REVISIONS

Description	Date	Rev
CAD 1	OCT. 28, 2025	00
CAD 2	NOV. 03, 2025	01
CAD 3	NOV. 08, 2025	02

Signature with Seal

Project Name & Address

SARAH E HOHENEDER RESIDENCE
800 E DEAN RD, MILWAUKEE, WI 53217
AHJ: VILLAGE OF FOX POINT
UTILITY: WE ENERGIES

DESIGNED BY:



TRIVENT CAD SOLUTION

Sheet Name

ACD
SPEC SHEET

Sheet Size

ANSI B
11" X 17"

Sheet Number

D 1.9



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	60', C

BUILDING PERMIT

Job Address 8204 N. Whitney Rd	Building Type: Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/>
Description of Work	
Demo 12' x 20' detached garage & construct a new 24' x 30' detached garage	
Estimated Cost of Project \$42,000.00	

Owner/Occupant	
Business Name	Contact Name Kathy Pykett
Address	City/State/Zip
Phone	Email kjpykett@gmail.com

****Cautionary Statement required when homeowner is applying for permit****

Contractor	
Company Name Classic Builders	Contact Name Jay Bollman
Address S83 W18901 Saturn Dr	City/State/Zip Muskego, WI 53150
Phone 262-679-4800	Email jbollman@classicbuilderswi.com
Dwelling Contractor # DC -069600111	Dwelling Contractor Qualifier # 012400042

Square Footage Under Construction				
1 st Floor	2 nd Floor	Basement	Addition	Garage 720

Description	Rate	Amount
Project - Per \$1,000 of estimated cost	\$10.00	420.00
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	\$ 495.00

Applicant Signature Jim B., Classic Builders **Date** 1/19/24

Rev 01/22

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

VILLAGE OF FOX POINT
7200 N. SANTA MONICA BLVD
FOX POINT WI 53217

414-351-8900

Receipt No: 1.000062338

Jan 29, 2026

8204 WHITNEY RD

Previous Balance:	.00
LICENSES & PERMITS - BUILDING PERMIT	495.00
24-44460 BUILDING PERMIT	
<hr/>	
Total:	495.00
<hr/>	
CHECK	495.00
Check No: 18198	
Payor: CLASSIC BUILDERS	
Total Applied:	495.00
<hr/>	
Change Tendered:	.00
<hr/>	

01/29/2026 2:11 PM

Classic Builders
Kathy Pykett

PLAT OF SURVEY

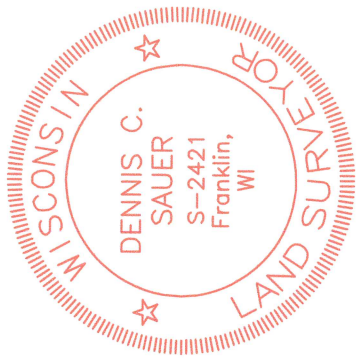
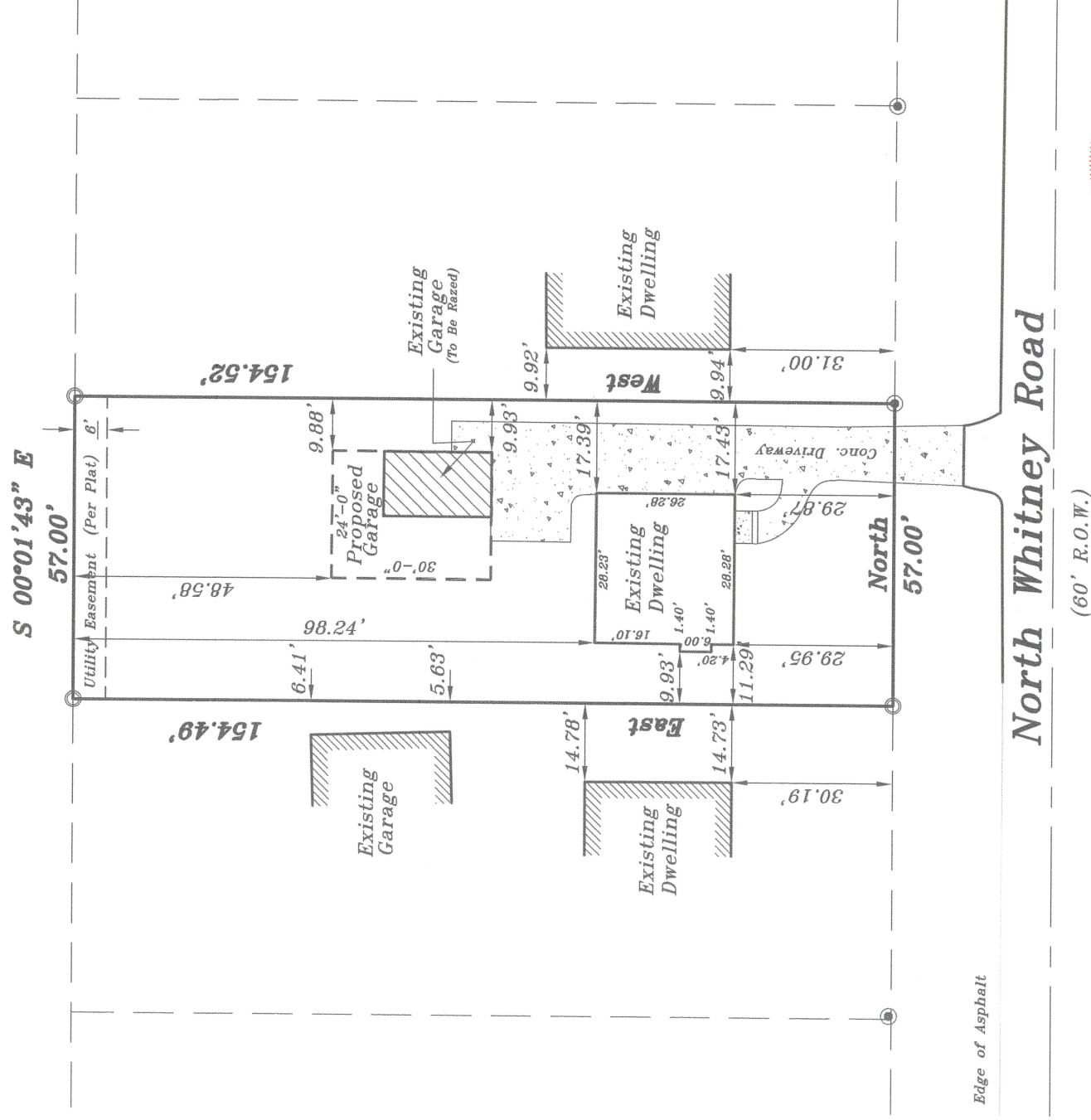
LOCATION: 8204 North Whitney Road, Fox Point, Wisconsin

LEGAL DESCRIPTION:

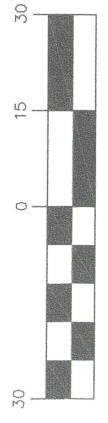
Lot 6 in Block 2, in **FOX POINT GARDENS**, being a subdivision of a part of the Southwest 1/4 of Section 9, Town 8 North, Range 22 East, in the Village of Fox Point, Milwaukee County, Wisconsin.

December 15, 2025

Survey No. 116417



GRAPHIC SCALE



(IN FEET)
1 inch = 30 ft.

METROPOLITAN SURVEY SERVICE, INC.

PROFESSIONAL LAND SURVEYORS

8482 South 76th Street
Franklin, Wisconsin 53132
PH. (414) 529-5380
survey@metropolitansurvey.com
www.metropolitansurvey.com

I HEREBY CERTIFY THAT I HAVE SURVEYED THE ABOVE DESCRIBED PROPERTY AND THE SURVEY COMPLIES WITH A-7, AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF THE ABOVE MAP IS A TRUE REPRESENTATION THEREOF AND SHOWS THE SIZE AND LOCATION OF THE PROPERTY. ITS EXTERIOR BOUNDARIES, THE LOCATION OF ALL VISIBLE STRUCTURES AND DIMENSIONS OF ALL PRINCIPAL BUILDINGS THEREON, BOUNDARY FENCES, APPARENT EASEMENTS AND ROADWAYS AND VISIBLE ENCROACHMENT, 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 THE DATE HEREOF.



○ — Denotes Iron Pipe Found
○ — Denotes Iron Pipe Set

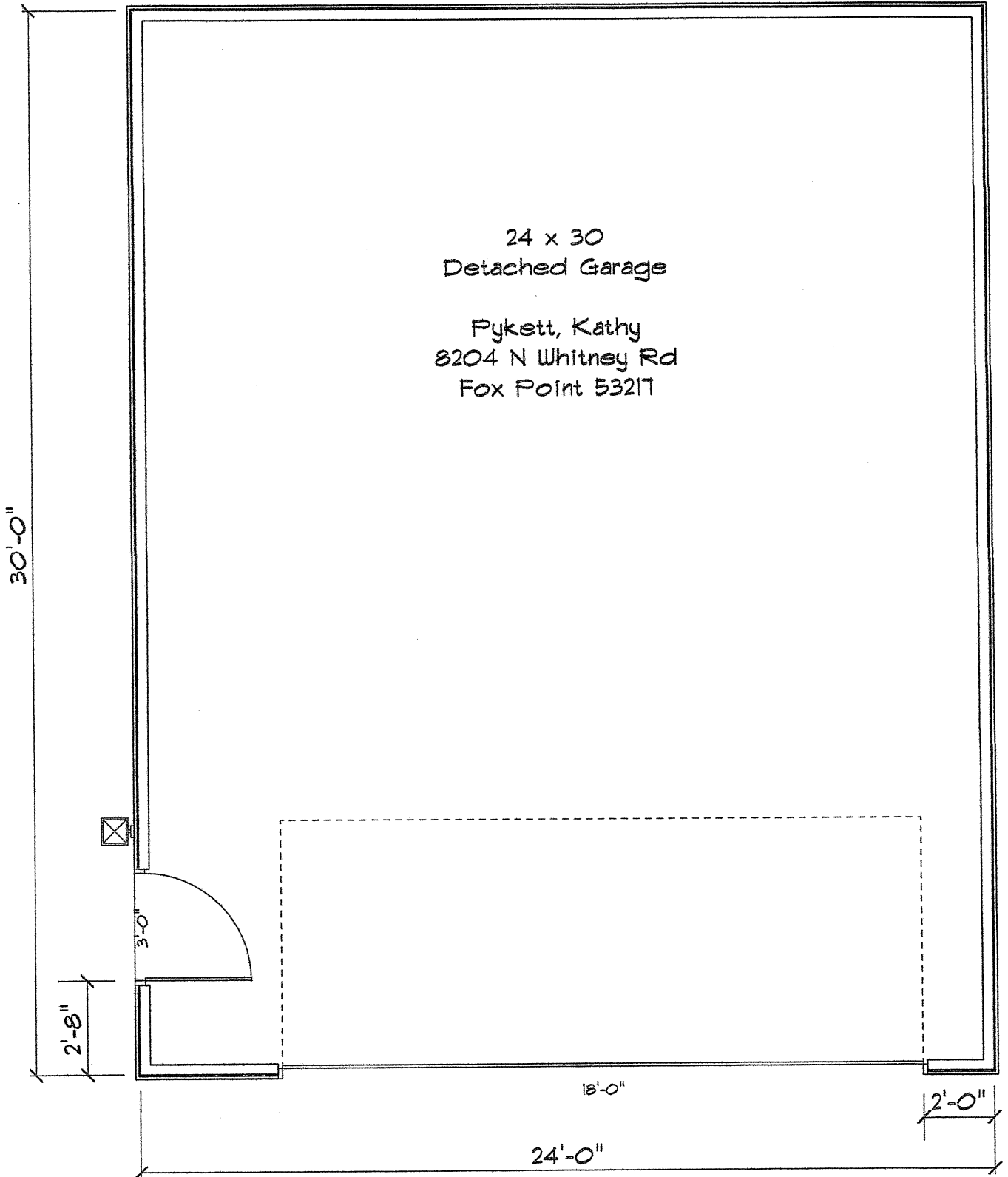
Dennis C. Sauer
Dennis C. Sauer
 Professional Land Surveyor S-2421

SIGNED

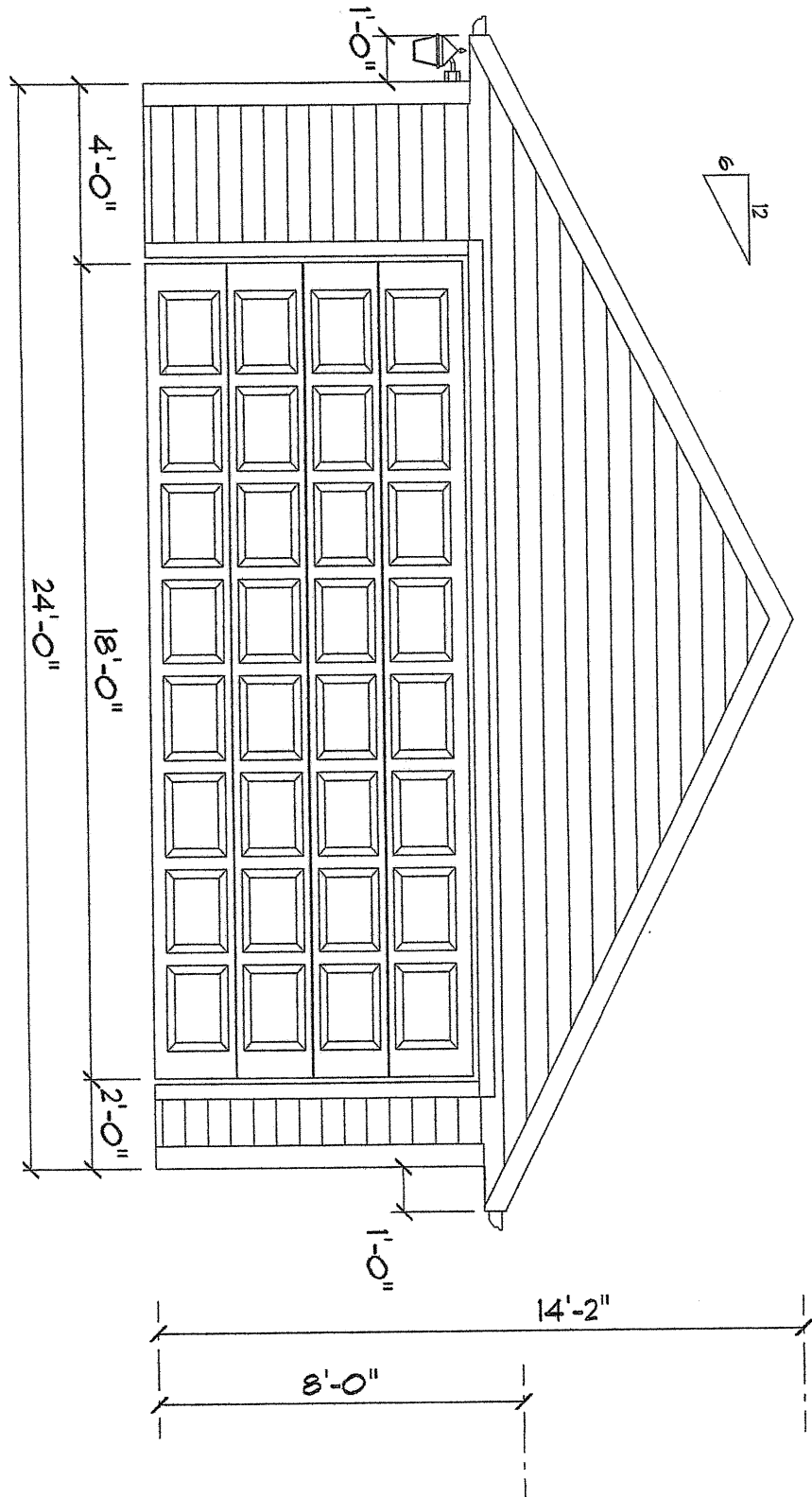
Professional Land Surveyor S-2421

24 x 30
Detached Garage

Pykett, Kathy
8204 N Whitney Rd
Fox Point 53217



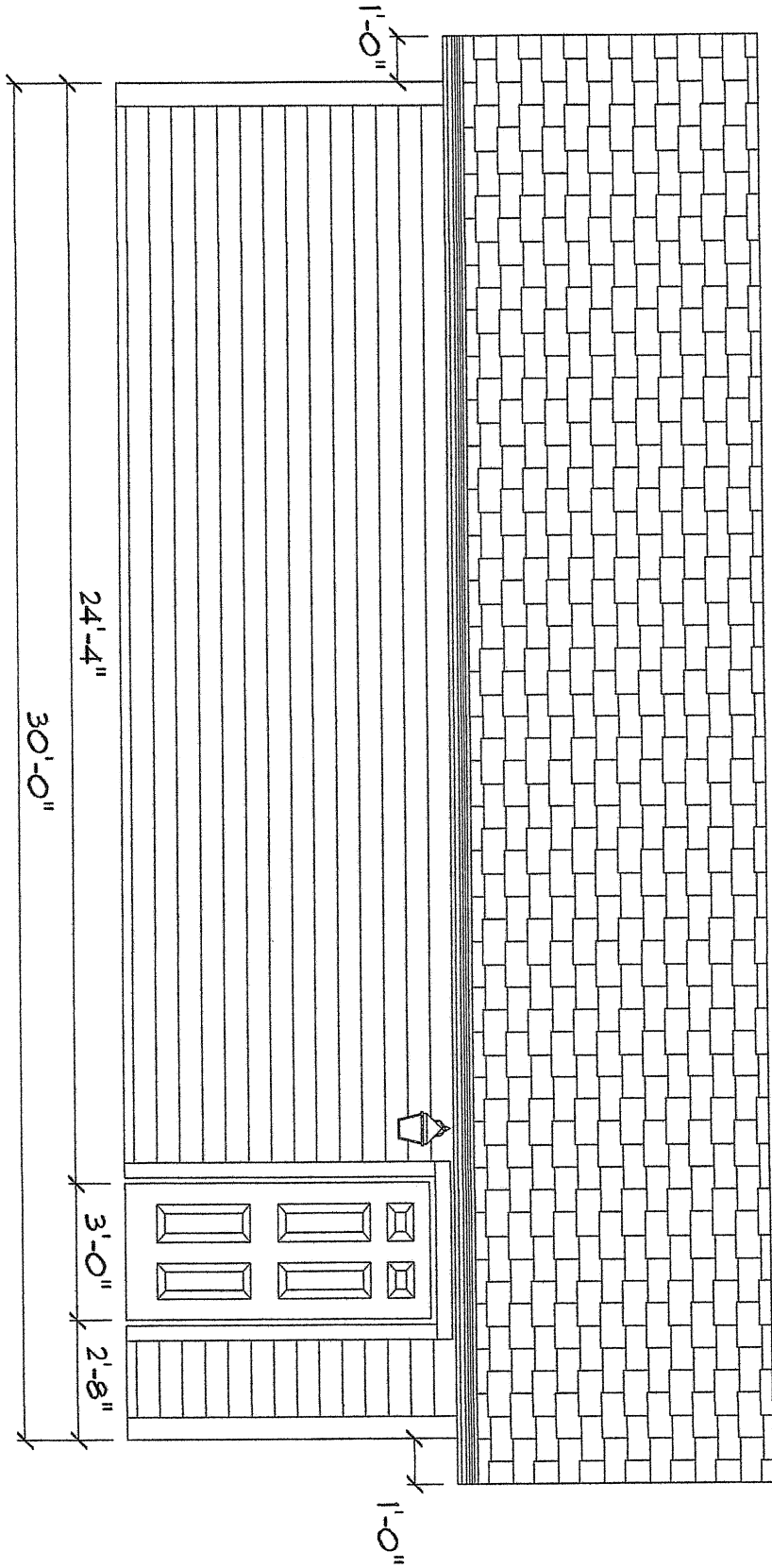
- 18 x 7
- Overhead Door - White
- 6" LP Siding - White
- LP Door Trim - White
- Aluminum Soffit & Fascia - White
- Seamless Gutters - White



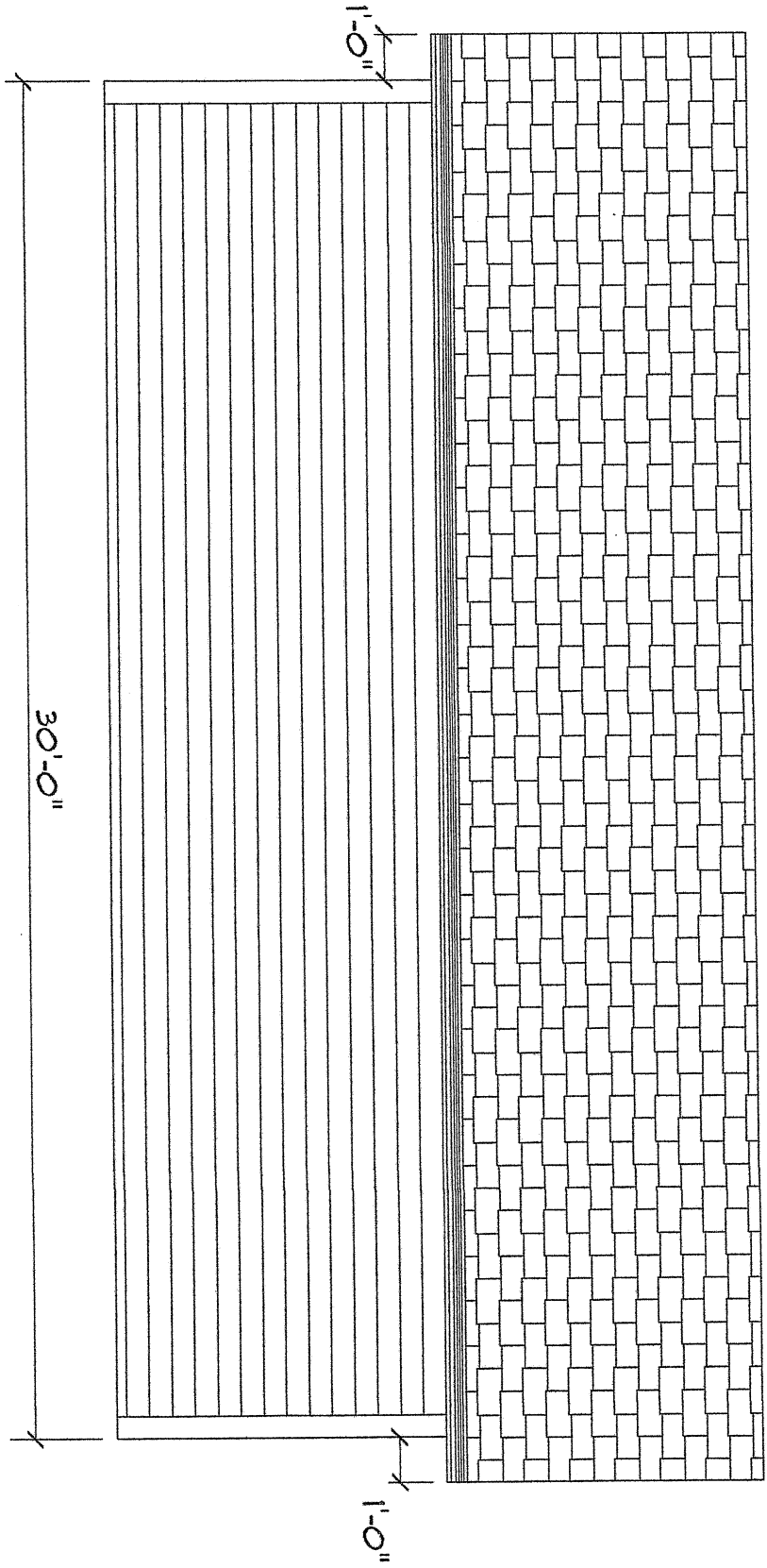
FRONT ELEVATION

Dimensional
Shingles -
Sierra Gray

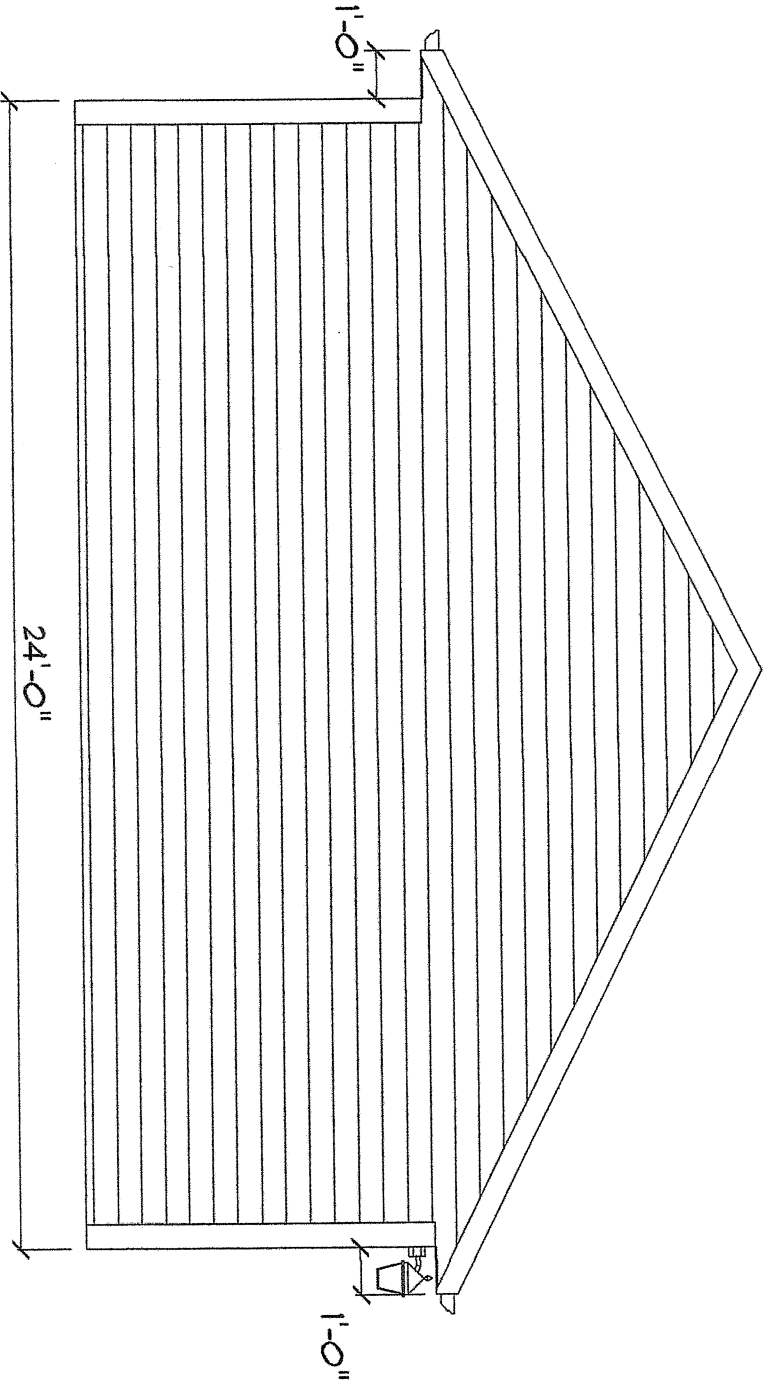
36" Fiberglass
Service Door



LEFT ELEVATION

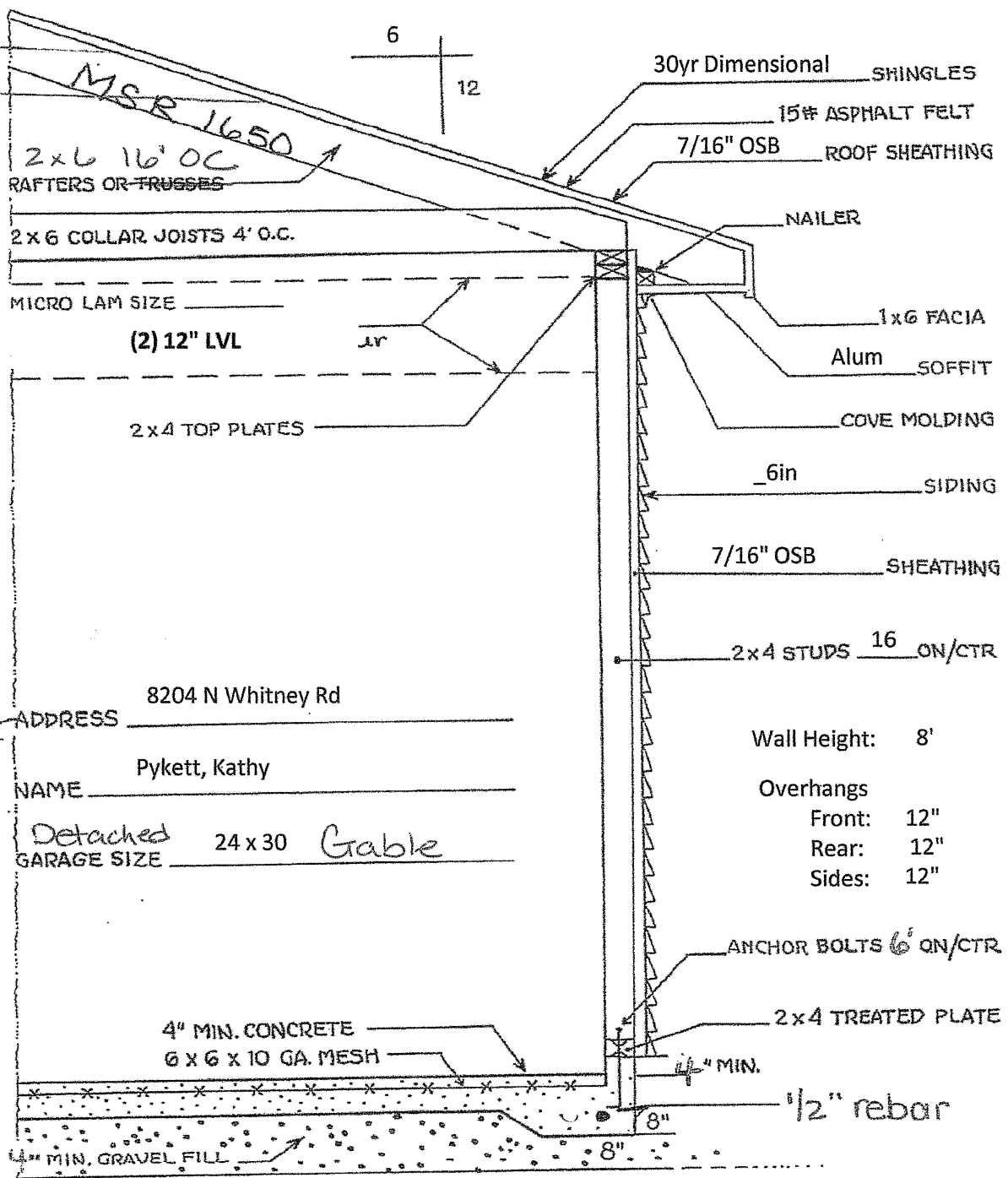
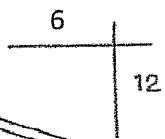


RIGHT ELEVATION



REAR ELEVATION

Collar ties
in upper 1/3
of rafter
1x6



30yr Dimensional SHINGLES
15# ASPHALT FELT
7/16" OSB ROOF SHEATHING
NAILER
1x6 FACIA
Alum SOFFIT
COVE MOLDING
6in SIDING

MSR 1650
2x6 16' OC
RAFTERS OR TRUSSES
2x6 COLLAR JOISTS 4' O.C.
MICRO LAM SIZE _____
(2) 12" LVL
2x4 TOP PLATES

Window
Headers:
2-Ply 2x6

ADDRESS 8204 N Whitney Rd
NAME Pykett, Kathy
GARAGE SIZE Detached 24 x 30 Gable

Wall Height: 8'
Overhangs
Front: 12"
Rear: 12"
Sides: 12"

2x4 STUDS 16 ON/CTR
ANCHOR BOLTS 6' ON/CTR
2x4 TREATED PLATE
4" MIN.
1/2" rebar
4" MIN. CONCRETE
6 x 6 x 10 GA. MESH
4" MIN. GRAVEL FILL



8204 N Whitney
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 <u>8301 N. LAKE DR.</u>	Building Type: <u>Residential</u> - Commercial
Description of Work <u>REMOVE EXTRA PATIO DOOR</u>	
Estimated Cost of Project \$ <u>300</u>	

Owner/Occupant	
Business Name	Contact Name
Address	City/State/Zip
Phone	Email

****Cautionary Statement required when homeowner is applying for permit****

Contractor	
Company Name	Contact Name <u>Alex Perlin</u>
Address	City/State/Zip <u>Fox Point WI 53417</u>
Phone <u>414-688-8640</u>	Email
Dwelling Contractor License #	Dwelling Contractor Qualifier #

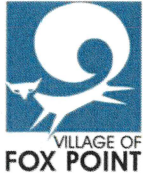
Square Footage Under Construction				
1 st Floor	2 nd Floor	Basement	Addition	Garage

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

Applicant Signature [Signature] Date 1/28/26

Rev 01/26

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

**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.

[Handwritten signature]

Homeowner's Name – PRINTED

Alex Pellicci

Homeowner's Signature

8301 W. Lake Dr.

Property Address

1/28/26

Date

Receipt No: 22.000000250 Jan 28, 2026

8301 LAKE DR

Previous Balance: .00
LICENSES & PERMITS
HEATING PERMIT 60.00

Total: 60.00

LICENSES & PERMITS
BUILDING PERMIT 145.00

Total: 145.00

8301 LAKE DR

Previous Balance: .00
LICENSES & PERMITS
ELECTRICAL PERMIT 70.00

Total: 70.00

ONLINE - CREDIT CARD 275.00


Payor:
ALEX PERLIN

Total Applied: 275.00

Change Tendered: .00

01/28/2026 3:16 PM

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



Replace Door
with same cedar
siding as the rest
of the house





8301





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 7117 N. Barnett Lane	Building Type: Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/>
Description of Work	
Interior remodel including mudroom, kitchen, and bathroom; existing shed, garage, & breezeway to be demolished and new attached garage with unfinished second floor; new full height basement below new portion of mudroom only.	
Estimated Cost of Project \$ TBD - Will update after bidding	

Owner/Occupant John & Casey Kulka	
Business Name	Contact Name Casey Kulka
Address 7117 N. Barnett Lane	City/State/Zip Fox Point, WI 53217
Phone (949) 400-4629	Email caseyfetherston@gmail.com

****Cautionary Statement required when homeowner is applying for permit****

Contractor	
Company Name Ruvin Bros. Artisans & Trades	Contact Name Rebeca Grady
Address 3111 W. Mill Road	City/State/Zip Milwaukee, WI 53209
Phone (414) 380-0867	Email rebeca@ruvinbros.com
Dwelling Contractor # 059501046 - DC	Dwelling Contractor Qualifier # DCQ-090701037

Square Footage Under Construction				
1 st Floor 1,287	2 nd Floor 333	Basement	Addition 1,238	Garage 1,110

Description	Rate	Amount
Project - Per \$1,000 of estimated cost	\$10.00	
Building Board	\$75.00	75.00
Footing early start - \$230.00 one and two family; \$305.00 commercial		
Plan Review - \$275.00 one and two family; New Single Family Construction \$330.00 plus \$30.00/unit commercial		
State Seal	\$75.00	
Razing, Interior Demolition \$925.00 max/bld \$95.00 minimum plus	\$0.13/sqft	398.55
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 Rebeca Grady Date 07/30/2025

Rev 01/22

Digitally signed by Rebeca Grady
 DN: C=US, E=rebeca@ruvinbros.com, O=Ruvin
 Bros. Artisans & Trades, OU=Design Department,
 CN=Rebeca Grady
 Date: 2025.07.30 11:18:31-0500

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

Receipt No: 22000163 Aug 1, 2025

7117 N BARNETT LN

Previous Balance: .00
LICENSES & PERMITS
BUILDING PLANS - FILING 75.00
FEE

Total: 75.00

=====

ONLINE - CREDIT CARD 75.00

Payor:
RUVIN BROS
Total Applied: 75.00

Change Tendered: .00

=====

08/01/2025 11:09 AM

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

*Emailing Rakow all the
paperwork.*

Receipt No: 22.000000251 Jan 30, 2026

7117 N BARNETT LN

Previous Balance: .00
LICENSES & PERMITS
BUILDING PLANS - FILING 75.00
FEE

Total: 75.00

ONLINE - CREDIT CARD 75.00

Payor:
7117 N BARNETT LN

Total Applied: 75.00

Change Tendered: .00

01/30/2026 10:46 AM

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

**VILLAGE OF FOX POINT
BUILDING BOARD MINUTES**

A meeting of the Building Board was held via Zoom, on Wednesday, August 13, 2025, at 5:00 pm. Those present included:

Justin Racinowski
William Feldman-Absent
Sharon Celek
Lucille Sells
Pat Algiers
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 Pat Algiers to approve the minutes of July 9, 2025. Motion was seconded by Lucille Sells. Motion Carried.

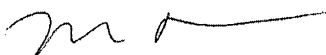
AGENDA

1. **Geoff Ward, 8314 N Regent Rd, proposed garage patio door.** It was the consensus of the Building Board to approve as submitted.
2. **Dave Hajigeorgiou, 170 W Cherokee Cir, proposed interior remodel and window replacement.** It was the consensus of the Building Board to approve as submitted. Lucille Sells recused herself.
3. **Elizabeth Wick, 402 E Calumet Rd, proposed new porch.** It was the consensus of the Building Board to approve as submitted.
4. **Susan LaBudde, 7439 N Fairchild Rd, proposed inground pool.** It was the consensus of the Building Board to approve as submitted.
5. **Keith Baylor, 331 W Bergen Dr, proposed windows.** It was the consensus of the Building Board to approve subject to windows to be 44" high.
6. **Benjamin Glicksman, 221 W Suburban Dr, proposed roof mounted solar.** It was the consensus of the Building Board to approve as submitted.
7. **John Kulka, 7117 N Barnett Ln, proposed addition.** It was the consensus of the Building Board to approve subject to lower second floor sills to match height of all existing windows, also center window on west elevation. Send updated drawings to building inspector.

ADJOURN

Motion to adjourn Building Board was made by Pat Algiers. Motion seconded by Sharon Celek. Motion Carried. Building Board adjourned at 5:51 pm.

Respectfully Submitted,



Michael Rakow
Building Inspector
Village of Fox Point



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.

Catherine Kulka
Homeowner's Name – PRINTED

7117 N. Barnett Lane
Property Address

Catherine F. Kulka
Homeowner's Signature

7/31/25
Date

Plat of Survey

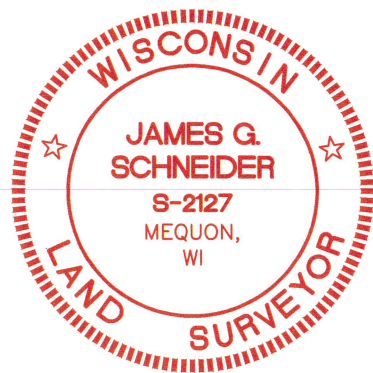
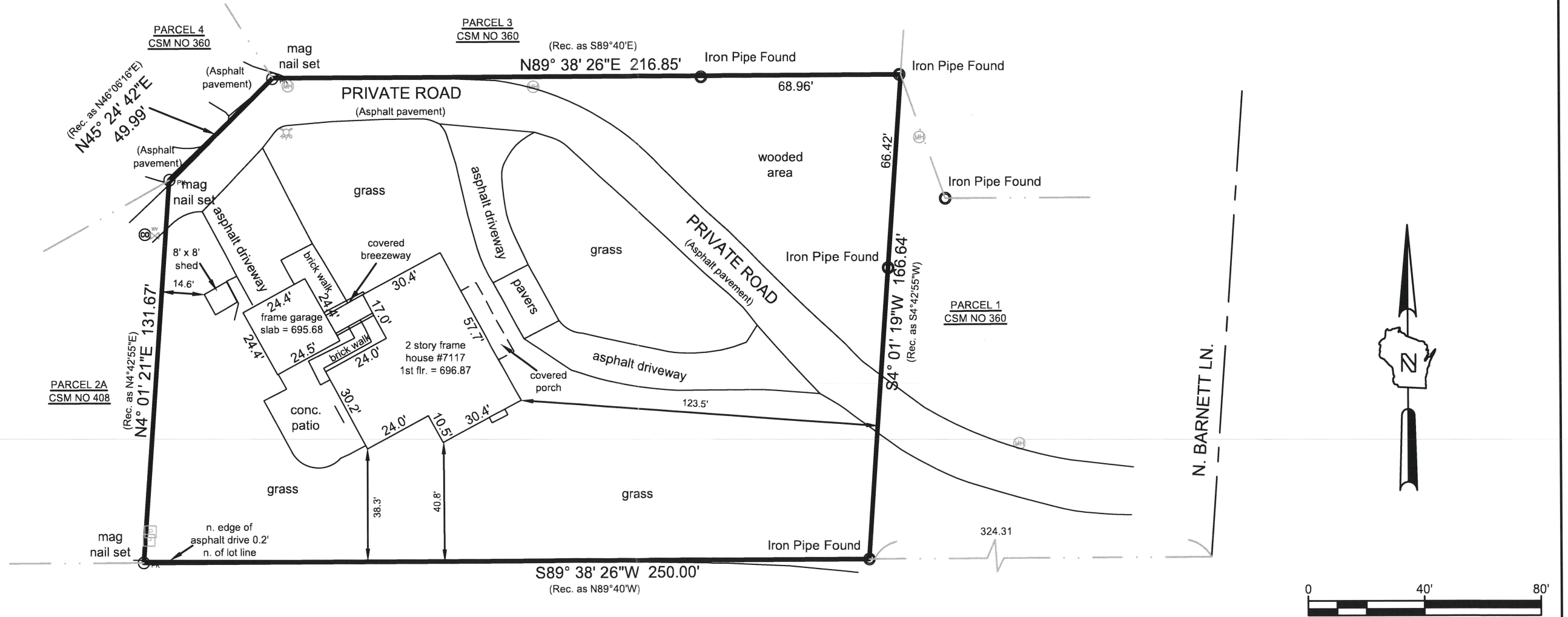
Parcel A:

Parcel 2B of Certified Survey Map No. 408, being a redivision of Parcel 2 of Certified Survey Map No. 360 in the Northwest One quarter (1/4) of Section Twenty-one (21), Township Eight (8) North, Range Twenty-two (22) East, in the Village of Fox Point, Milwaukee County, Wisconsin. Recorded in the office of the Register of Deeds for Milwaukee County, Wisconsin on August 6, 1955 on Reel 261, Image 2233, as Document No. 4197552.

Said Parcel containing 40,960.58 sq. ft./ 0.94 acres of land, more or less.

Parcel B: (Easement)

Easement for the benefit of Parcel A created by an instrument executed by and between Pamela B. Grant and Harriet E. Stowers, dated June 30, 1995, for ingress to and egress from Parcel A.



THIS IS AN ORIGINAL PRINT ONLY IF STAMPED IN RED

SURVEY CERTIFICATE

I have surveyed the above described property and the above map is a true representation thereof and shows the size and location of the property, its exterior boundaries, the location and dimensions of all visible structures thereon, Boundary fences, apparent easements, roadway, 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.

Dated at City of Mequon, State of Wisconsin this 16th day of September, 2024.

Recertified _____

James Schneider
James Schneider
S - 2127

Revisions:

- 6/9/2025 - JRS - Remove proposed garage

Notes:

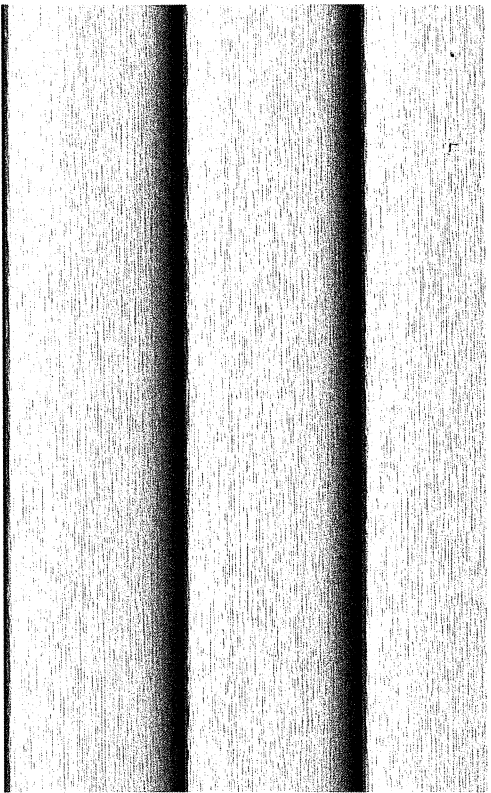
- () Denotes bearings per Certified Survey Map. No. 408.
- All bearings are referenced to the Wisconsin State Plane Coordinate System, South Zone, NAD - 83.

Prepared for:
John Kulka
7117 N. Barnett Ln.
Fox Point, WI



www.thesigmagroup.com
1300 West Canal Street
Milwaukee, WI 53233
Phone: 414-643-4200
Fax: 414-643-4210

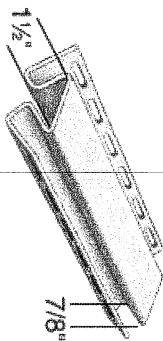
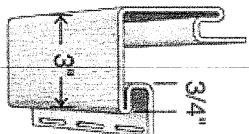
23133 - Kulka.dwg



Royal Building Products – Estate Collection Vinyl Siding – White – Double 4" (D4) Style

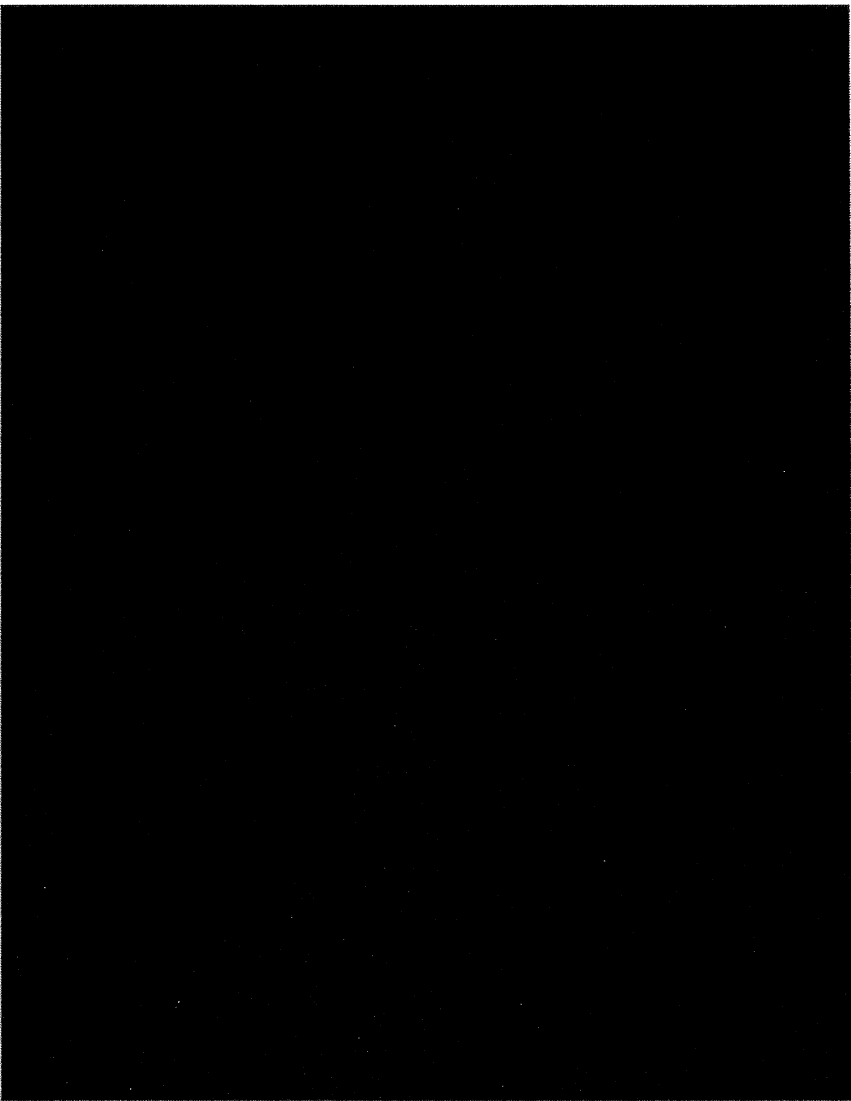
**UNIVERSAL
OUTSIDE
CORNER POST
WOODGRAIN FINISH**
PRODUCT CODE:
034UWG0CP

**UNIVERSAL
INSIDE
CORNER POST
MATTE FINISH**
PRODUCT CODE:
078MIP

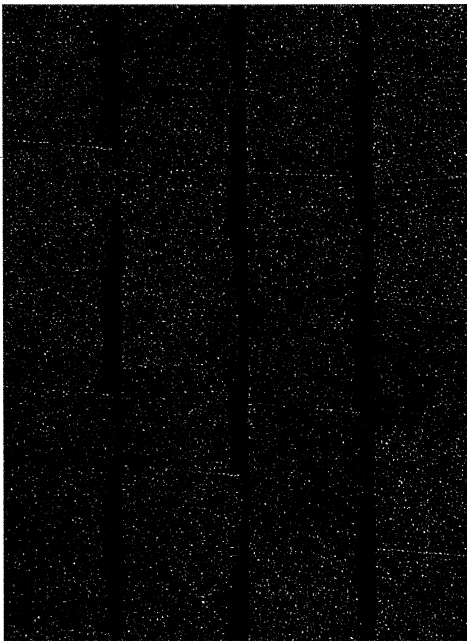


Royal Building Products – Corner Boards - White

Norandex or Equal White Vinyl
Wrapped Window & Door Trim
Norandex or Equal White Aluminum
Soffit, Fascia, & Drip Edge



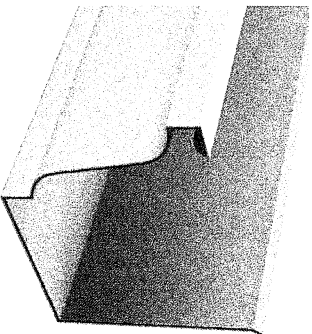
C.H.I. – 4283 Insulated, Long Raised Panel with No Windows – Black – 2" thick, 2-sided steel, Polystyrene insulation, R-9.65
7117 N. BARNETT LANE – PROPOSED EXTERIOR MATERIALS



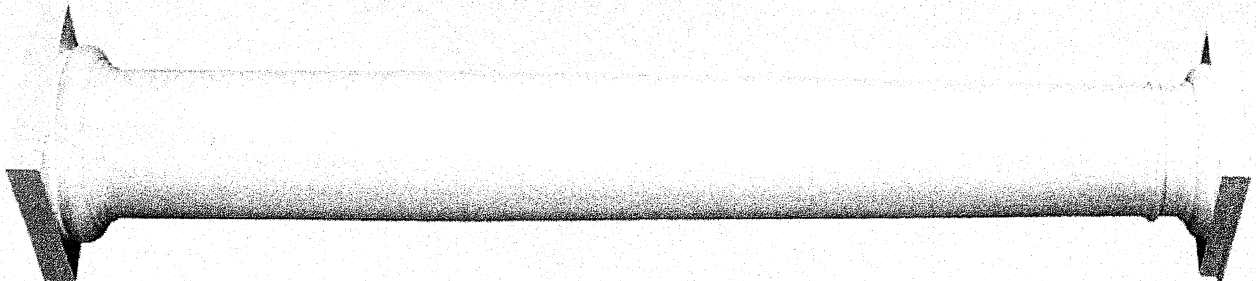
CertainTeed – Landmark Dimensional Shingles – Moire Black



3" x 4" Downspouts – White



5" K-style gutters – White



Turncraft Poly-Classic
Fiberglass Reinforced
Polymer Tapered Smooth
Round Shaft Column with
No Fluting & Tuscan Cap
& Base in White



7117 N. BARNETT LANE - NORTH ELEVATION - HOUSE & GARAGE

3111 W MILL ROAD · MILWAUKEE, WI 53209 · (414) 354-4220 · (414) 354-5385 FAX
www.RuvinBros.com





7117 N. BARNETT LANE – NORTH ELEVATION – HOUSE & GARAGE

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www.RiviniBros.com





7117 N. BARNETT LANE - NORTH & EAST ELEVATION - GARAGE & SHED

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www.RuvinBros.com





7117 N. BARNETT LANE - EAST ELEVATION - SHED

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www.RuvinBros.com





7117 N. BARNETT LANE – NORTH & EAST ELEVATION – BREEZWAY & GARAGE

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7117 N. BARNETT LANE – EAST ELEVATION

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7117 N. BARNETT LANE - SOUTH ELEVATION - HOUSE

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7117 N. BARNETT LANE - SOUTH & WEST ELEVATION - HOUSE & GARAGE

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7117 N. BARNETT LANE - WEST ELEVATION - HOUSE & GARAGE

3111 W MILL ROAD · MILWAUKEE, WI 53209 · (414) 354-4220 · (414) 354-5385 FAX
www.RuvinBros.com

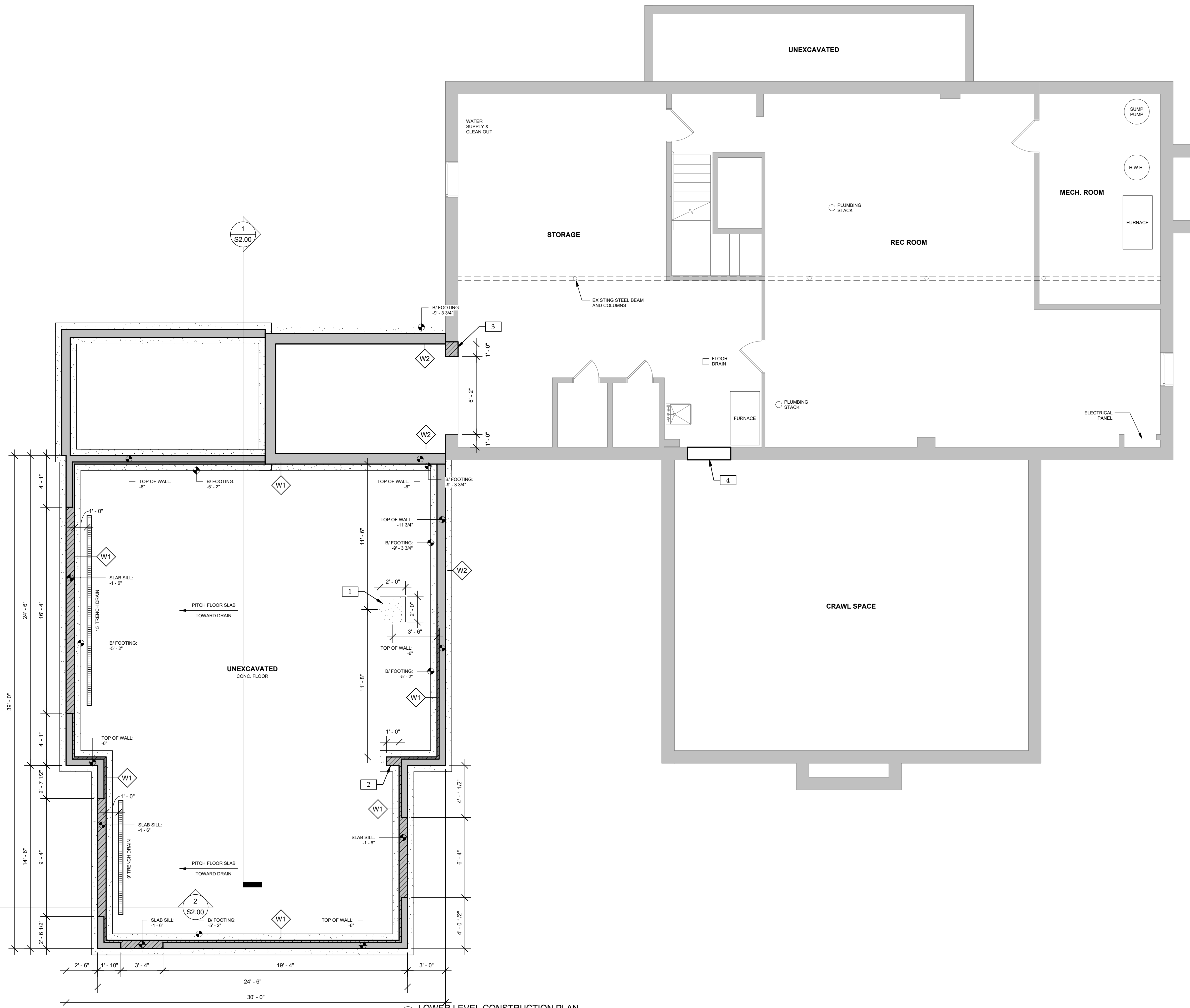




7117 N. BARNETT LANE – WEST ELEVATION – GARAGE

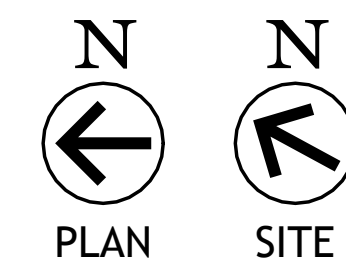
3111 W MILL ROAD · MILWAUKEE, WI 53209 · (414) 354-4220 · (414) 354-5385 FAX
www.RuviBros.com



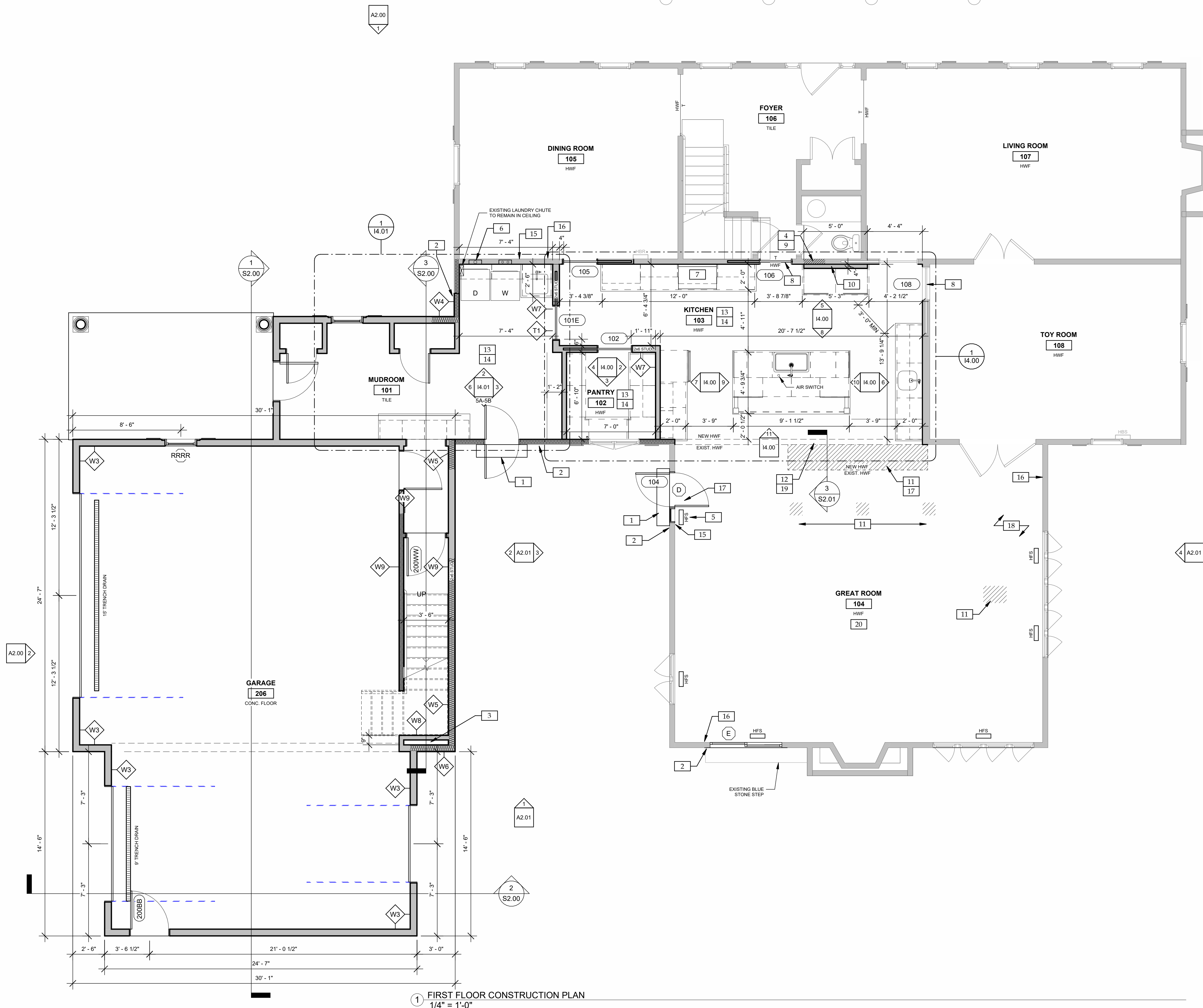


- LOWER LEVEL KEYED CONSTRUCTION NOTES**
- 1 2'-0" x 2'-0" x 8" THICK CONCRETE FOOTING PAD OR THICKENED SLAB.
 - 2 EXTEND FOUNDATION WALL FOR BEARING POST.
 - 3 INFILL FOUNDATION WALL WHERE WINDOW IS REMOVED.
 - 4 INSTALL 3/4" TREATED PLYWOOD AT BOTTOM AND 20" UP THE SIDES OF EXISTING OPENING IN BLOCK WALL.

1 LOWER LEVEL CONSTRUCTION PLAN
1/4" = 1'-0"



NOT FOR CONSTRUCTION



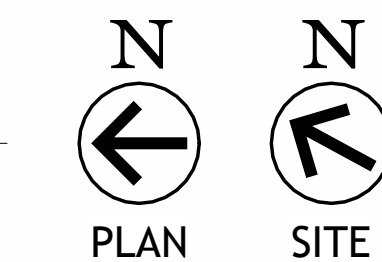
FIRST FLOOR GENERAL CONSTRUCTION NOTES

- ALL EXTERIOR DIMENSIONS ARE TO THE FACE OF SHEATHING U.N.O.
- ALL INTERIOR DIMENSIONS ARE TO THE FACE OF DRYWALL U.N.O.
- ALL NEW EXTERIOR WALLS TO BE 2x6 STUD FRAMING U.N.O.
- ALL NEW INTERIOR WALLS TO BE 2x4 STUD FRAMING U.N.O.
- NEW HVAC WALL VENTS TO BE STANDARD METAL, PREFINISHED WHITE.
- NEW HVAC FLOOR VENTS TO BE STANDARD METAL, PREFINISHED WHITE AT TILE FLOOR LOCATIONS.

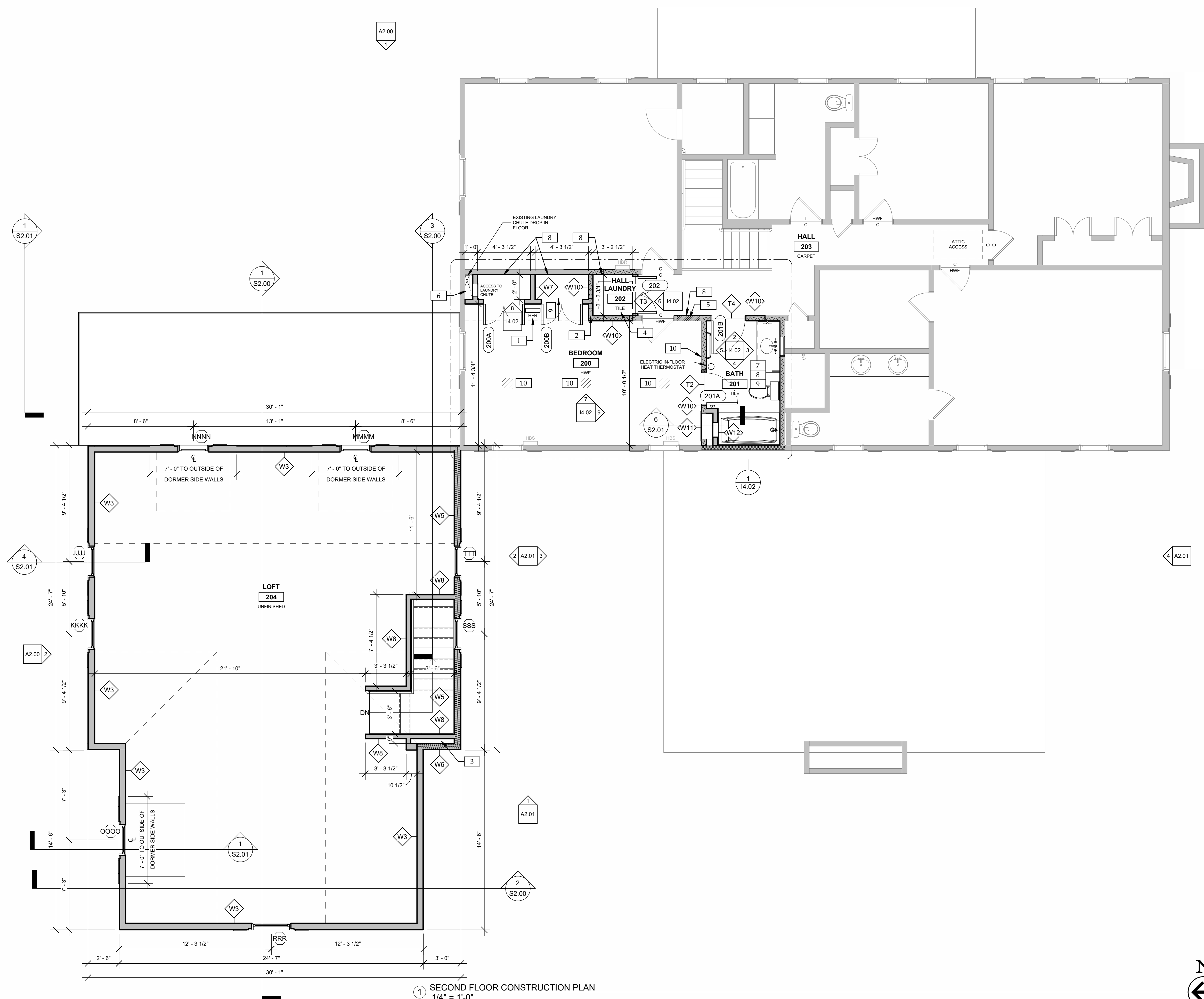
FIRST FLOOR KEYED CONSTRUCTION NOTES

- 1 NEW TEMP WOOD STEP.
- 2 PATCH AND INSTALL NEW EXTERIOR SIDING AND TRIM AS NEEDED.
- 3 ROUGH-IN GAS LINE, HOT/COLD WATER LINES, AND 4" WASTE STACK FOR FUTURE SECOND FLOOR BUILD-OUT.
- 4 RELOCATE EXISTING PLUMBING STACK. SEE DEMOLITION PLAN D1.01. CONFIRM LOCATION WITH PLUMBER.
- 5 MODIFY HVAC DUCT FOR NEW SUPPLY GRILL LOCATION.
- 6 NEW DRYER BOX. EXHAUST TO DUCT TERMINATION ESTABLISHED DURING DEMOLITION, SEE D1.00.
- 7 EXHAUST RANGE HOOD TO ROOF. SEE SECOND FLOOR CONSTRUCTION PLAN A1.02.
- 8 INSTALL NEW POCKET DOOR FRAME. REUSE EXISTING DOOR SLAB.
- 9 INFILL CAVITY WHERE POCKET DOOR FRAME IS REMOVED.
- 10 NEW 2x4 STUD FRAMING ALONGSIDE EXISTING WALL.
- 11 TOOTH-IN NEW T&G WOOD CEILING BOARDS. REMOVE BOARDS AS NEEDED TO FOLLOW EXISTING PATTERN.
- 12 DRYWALL AT BEAM.
- 13 NEW DRYWALL AT WALLS.
- 14 NEW DRYWALL AT CEILING.
- 15 PATCH DRYWALL.
- 16 PATCH DRYWALL AT NEW OR MODIFIED ELECTRICAL DEVICES.
- 17 TOOTH-IN HARDWOOD FLOOR.
- 18 REPAIR SCRATCHED HARDWOOD.
- 19 NEW HARDWOOD RIBBON BOARD.
- 20 INSTALL NEW WOOD FLOOR GRILLS IN EXISTING HARDWOOD FLOOR.

1 FIRST FLOOR CONSTRUCTION PLAN
1/4" = 1'-0"



NOT FOR CONSTRUCTION



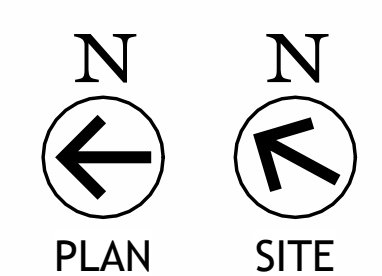
SECOND FLOOR GENERAL CONSTRUCTION NOTES

- ALL EXTERIOR DIMENSIONS ARE TO THE FACE OF SHEATHING U.N.O.
- ALL INTERIOR DIMENSIONS ARE TO THE FACE OF DRYWALL U.N.O.
- ALL NEW EXTERIOR WALLS TO BE 2x6 STUD FRAMING U.N.O.
- ALL NEW INTERIOR WALLS TO BE 2x4 STUD FRAMING U.N.O.
- NEW HVAC WALL VENTS TO BE STANDARD METAL, PREFINISHED WHITE
- NEW HVAC FLOOR VENTS TO BE STANDARD METAL, PREFINISHED WHITE AT TILE FLOOR LOCATIONS.

SECOND FLOOR KEYED CONSTRUCTION NOTES

- 1 MODIFY HVAC DUCT FOR NEW SUPPLY GRILL LOCATION.
- 2 NEW DRYER BOX. EXHAUST DRYER TO ROOF. LOCATE ROOF PENETRATION WEST OF MAIN RIDGE.
- 3 ROUGH-IN GAS LINE, HOT/COLD WATER LINES, AND 4" WASTE STACK FOR FUTURE SECOND FLOOR BUILD-OUT.
- 4 NEW FLOOR DRAIN CENTERED IN ROOM.
- 5 EXHAUST KITCHEN RANGE HOOD TO ROOF. CONFIRM LOCATION WITH HVAC CONTRACTOR. LOCATE ROOF PENETRATION WEST OF MAIN RIDGE.
- 6 EXTEND LAUNDRY CHUTE AND ANGLE TOWARD NEW ACCESS DOOR.
- 7 NEW IN-FLOOR ELECTRIC HEAT MAT SYSTEM.
- 8 NEW DRYWALL AT WALLS.
- 9 NEW DRYWALL AT CEILING.
- 10 PATCH DRYWALL AT NEW OR MODIFIED ELECTRICAL DEVICES.

1 SECOND FLOOR CONSTRUCTION PLAN
1/4" = 1'-0"

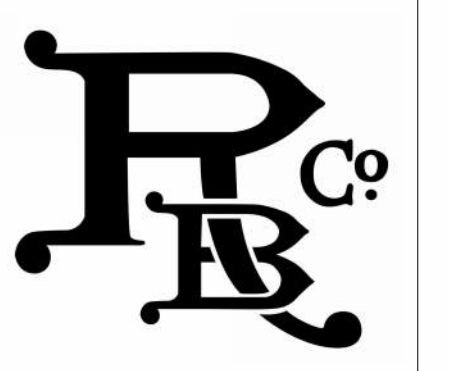


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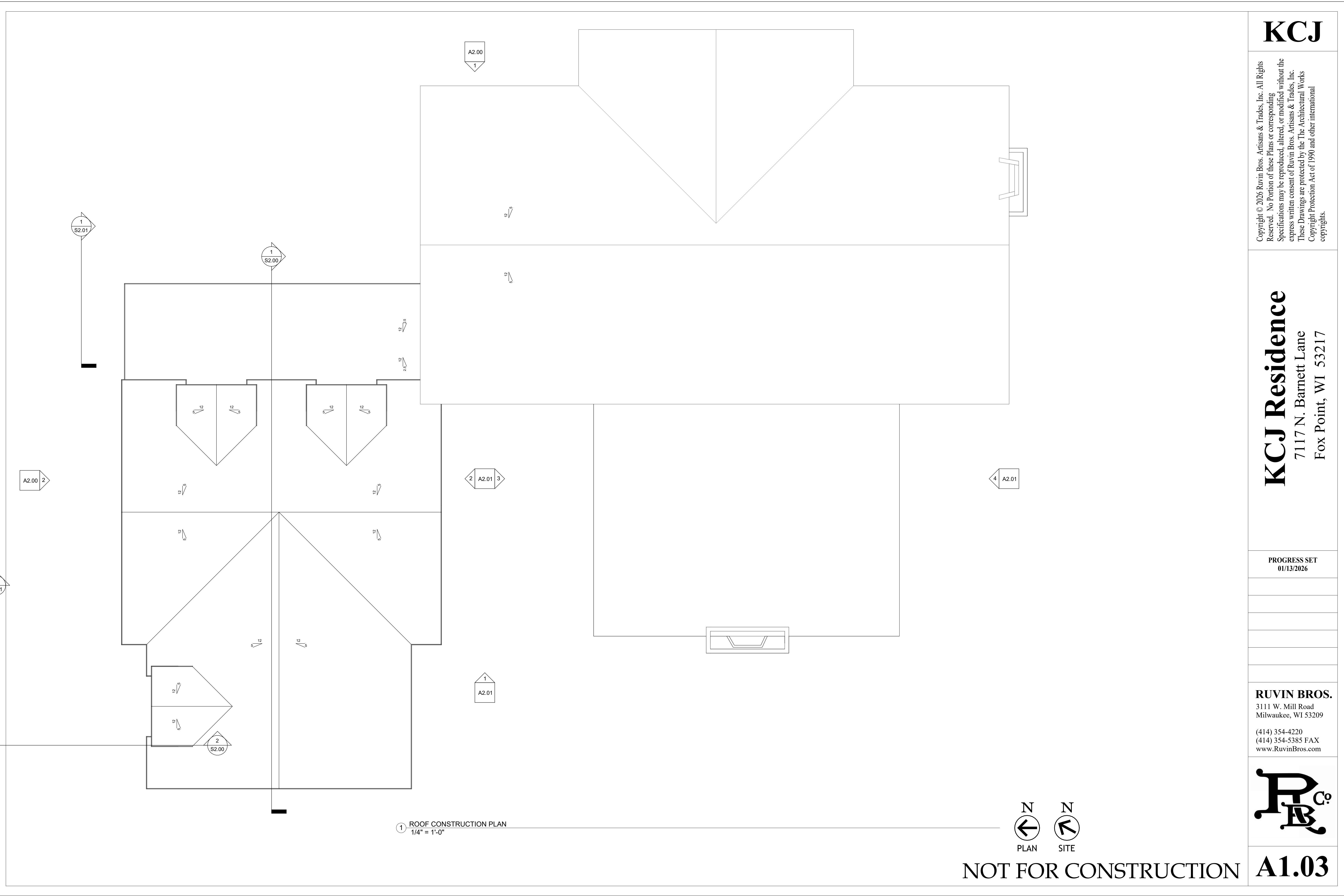
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Fox Point, WI 53217

PROGRESS SET
01/13/2026

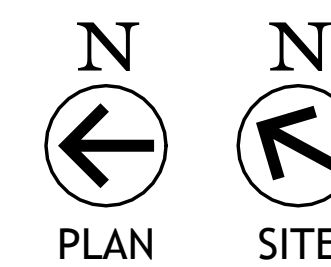
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A1.02



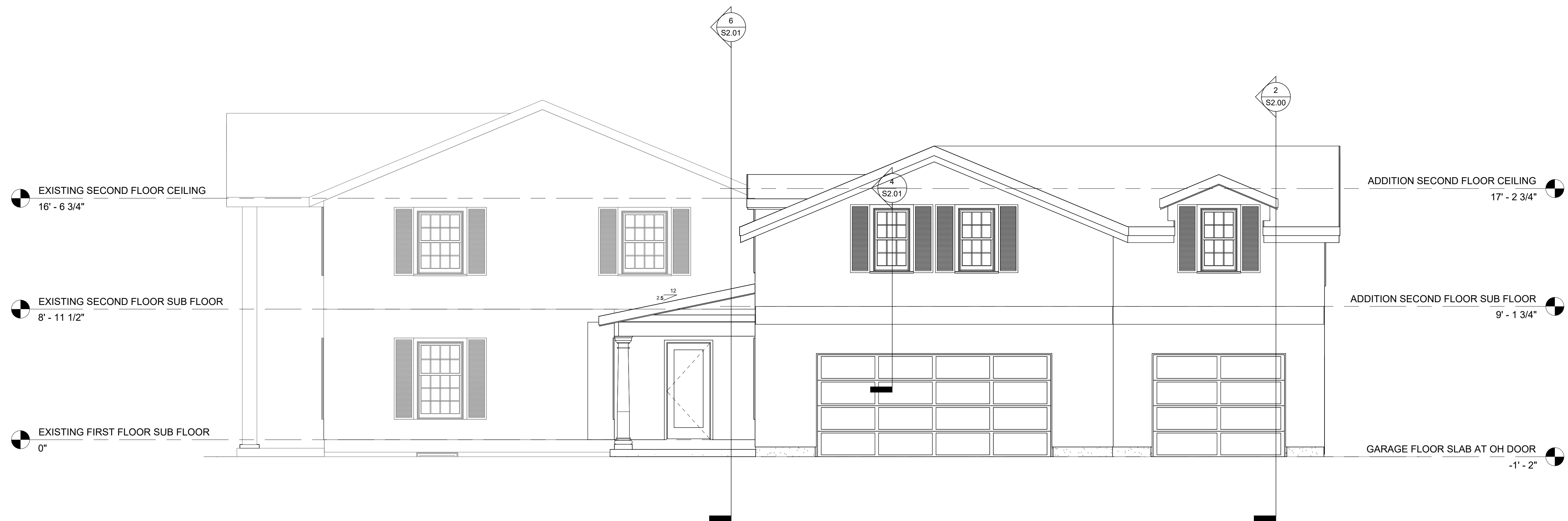
1 ROOF CONSTRUCTION PLAN
1/4" = 1'-0"



NOT FOR CONSTRUCTION



1 EXTERIOR ELEVATION - EAST
 1/4" = 1'-0"

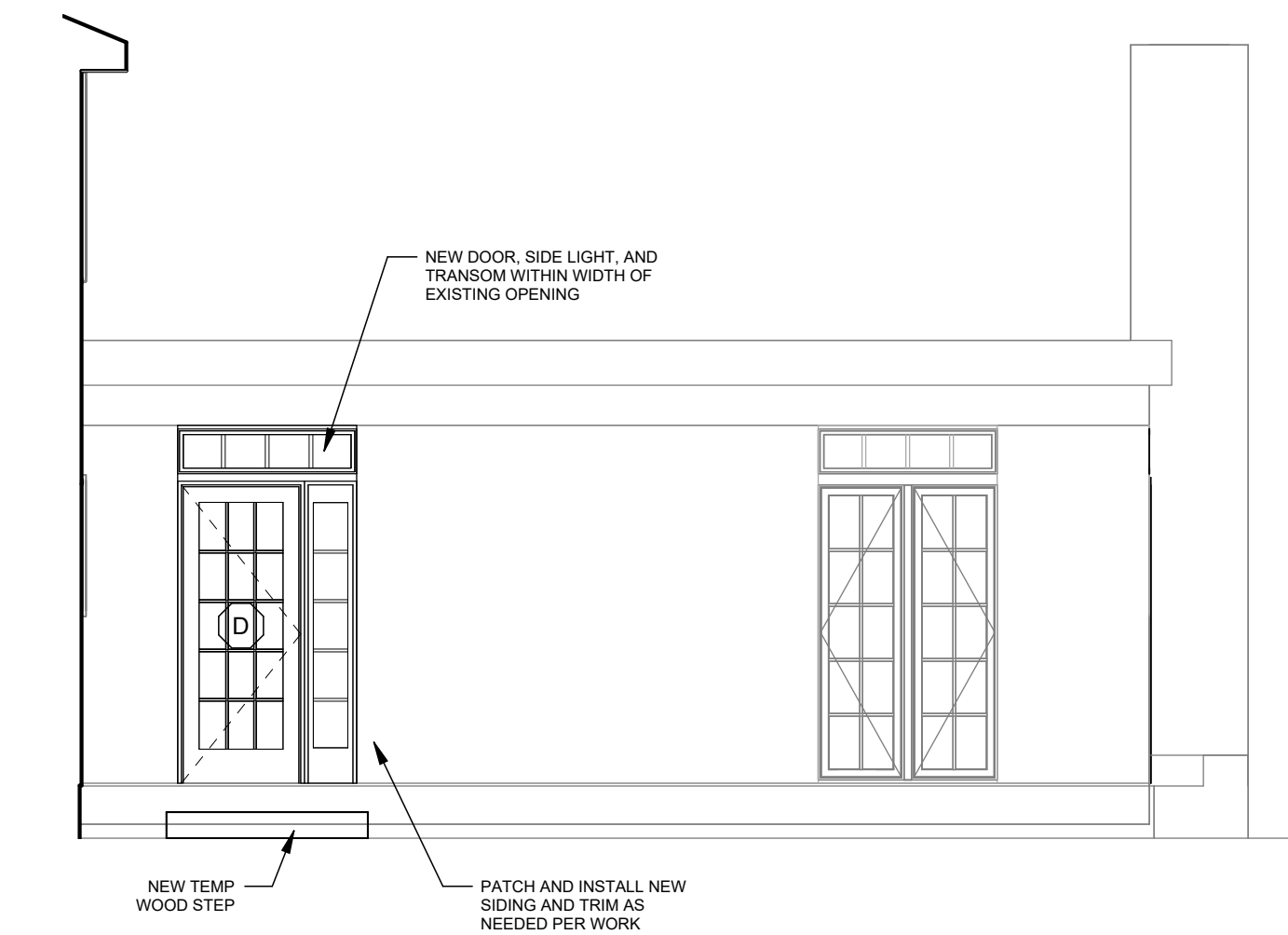


2 EXTERIOR ELEVATION - NORTH
 1/4" = 1'-0"

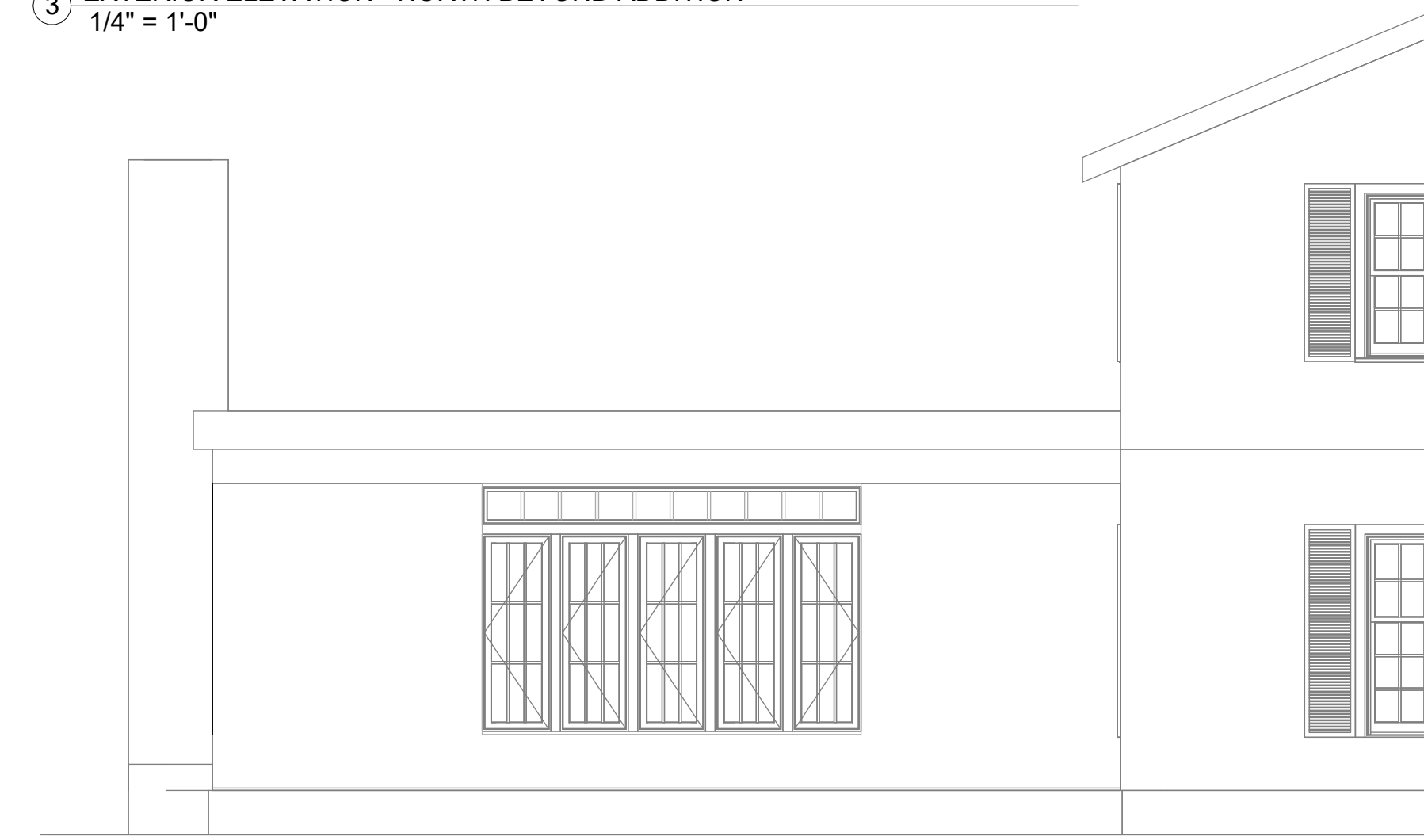
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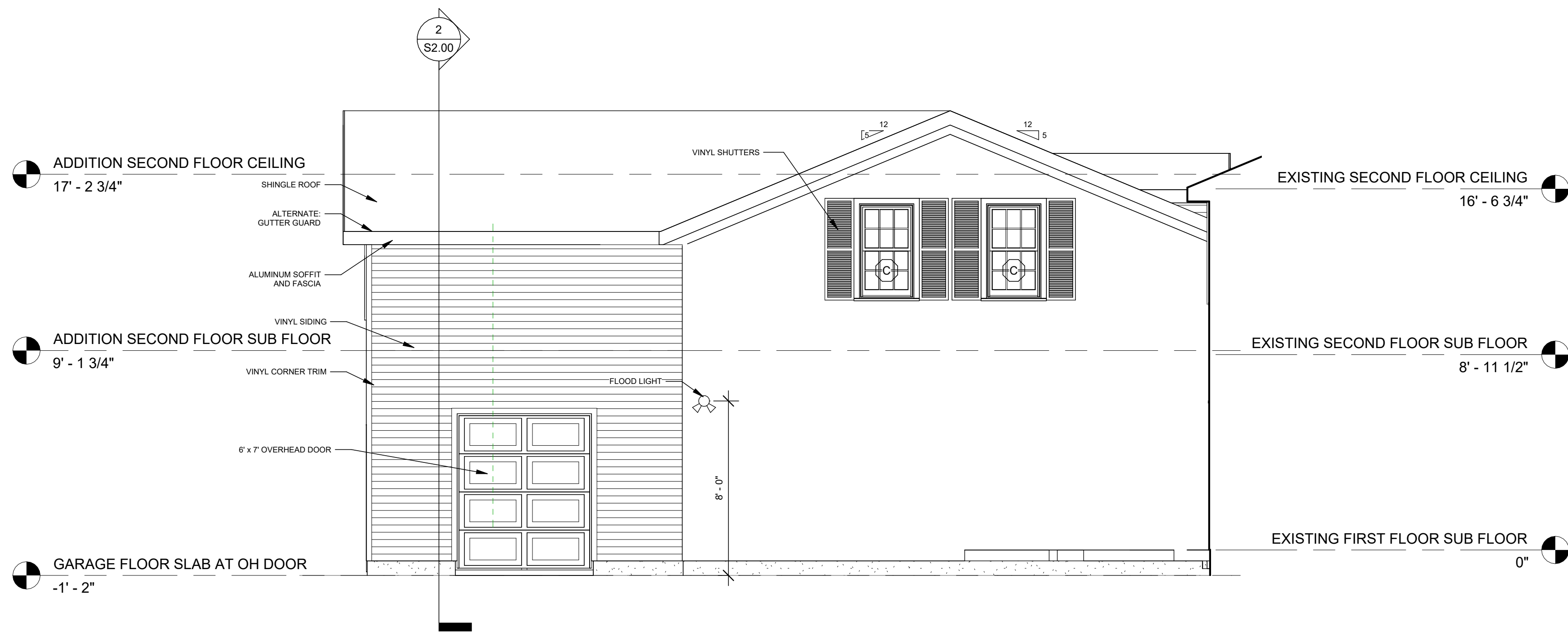
1 EXTERIOR ELEVATION - WEST
1/4" = 1'-0"



3 EXTERIOR ELEVATION - NORTH BEYOND ADDITION
1/4" = 1'-0"

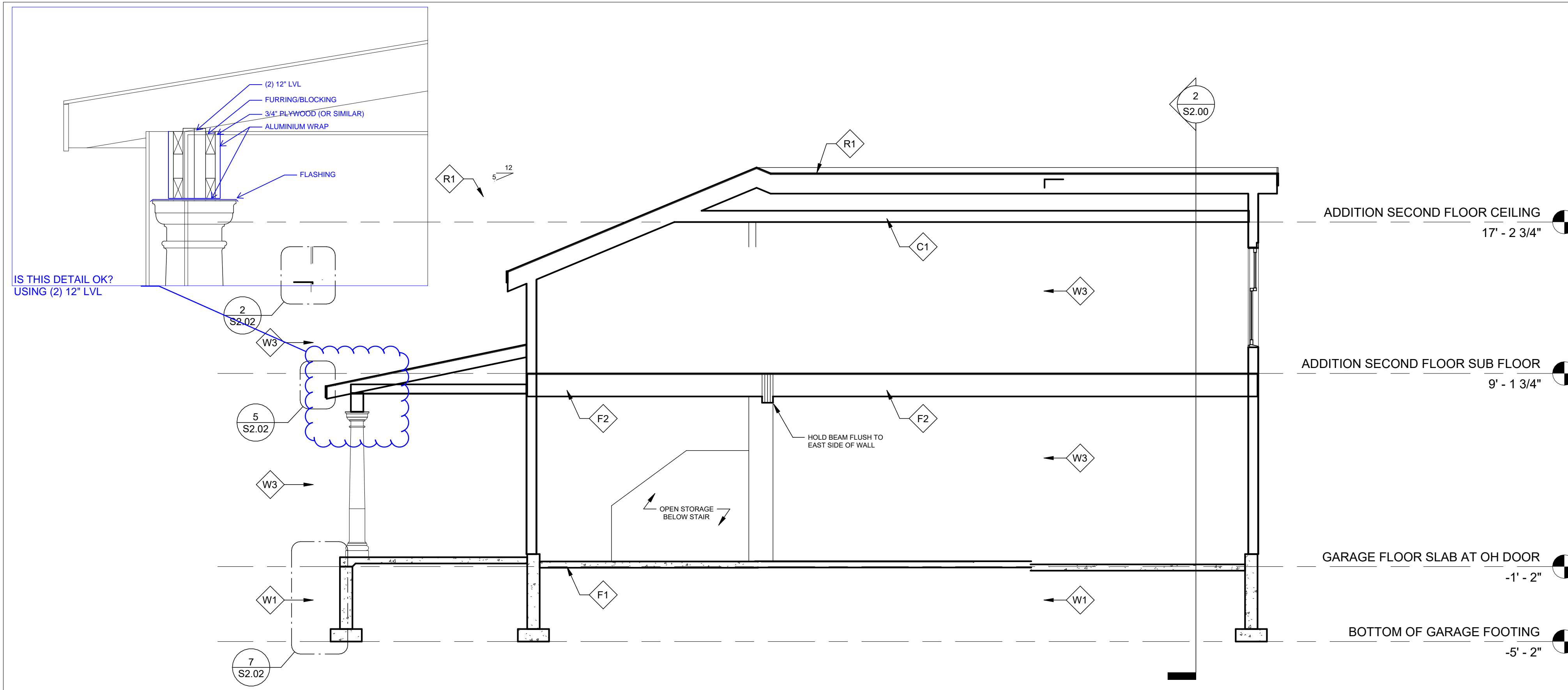


4 EXTERIOR ELEVATION - SOUTH
1/4" = 1'-0"

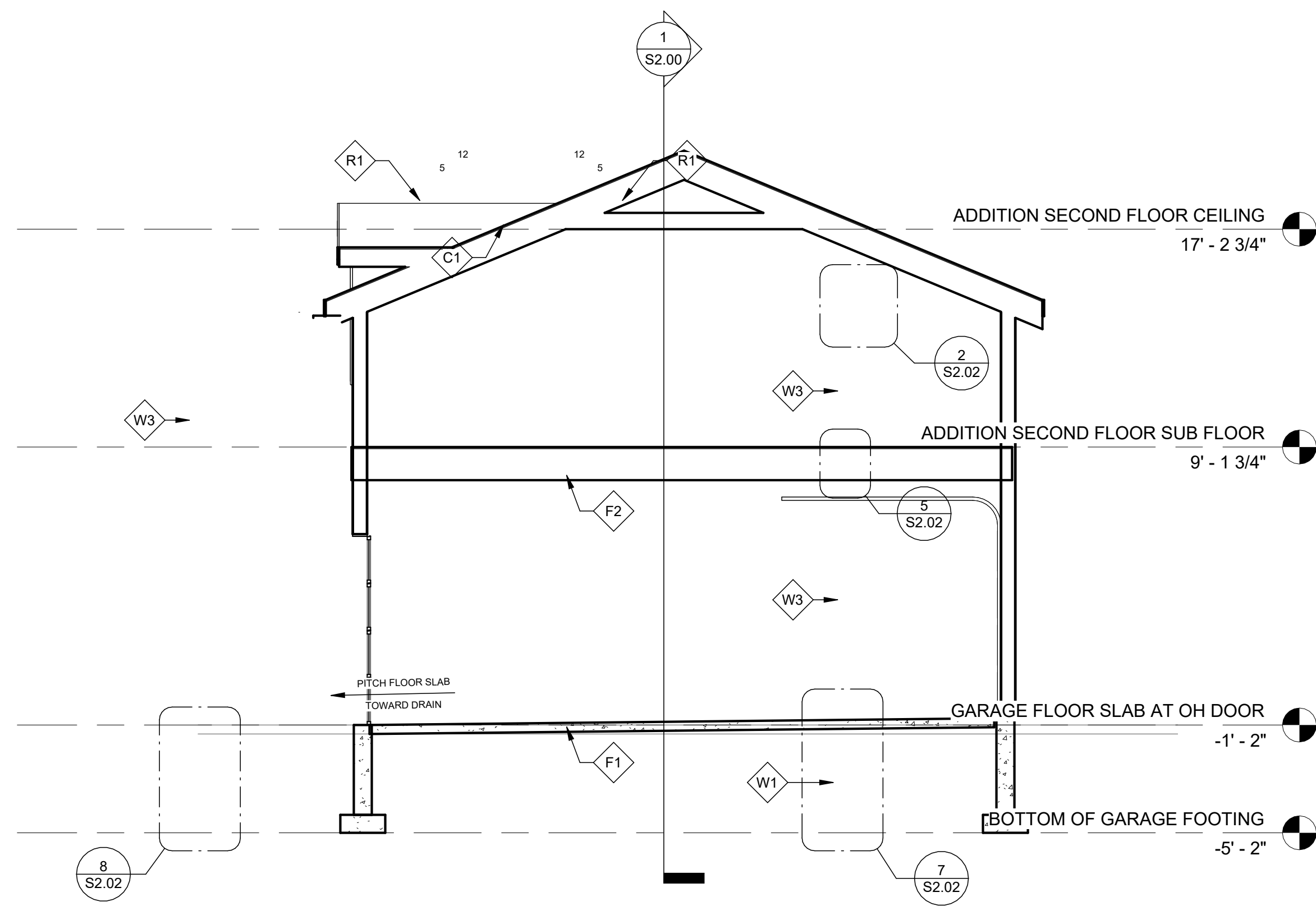


2 EXTERIOR ELEVATION - SOUTH BEYOND GREAT ROOM
1/4" = 1'-0"

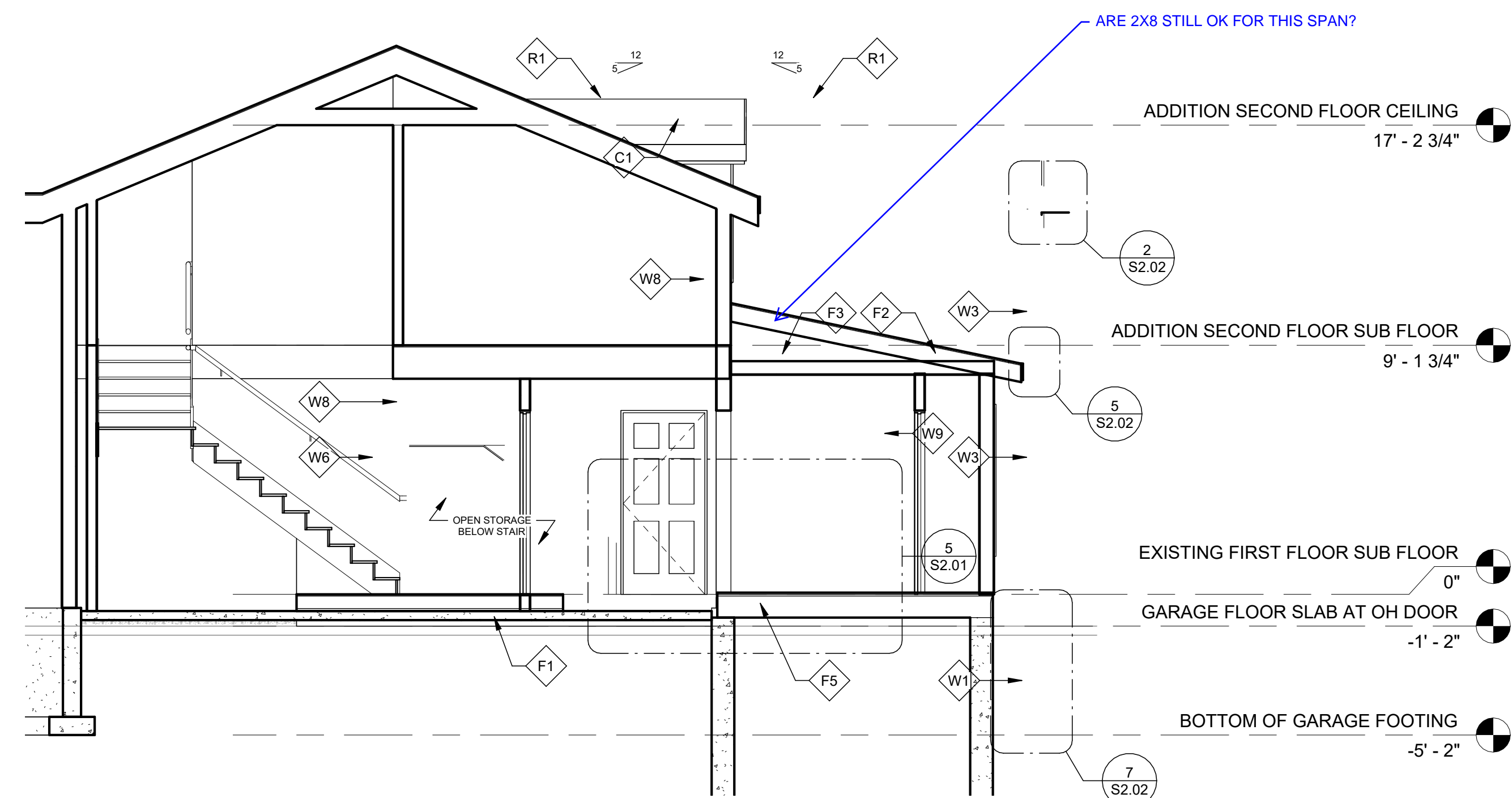
NOT FOR CONSTRUCTION



1 BUILDING SECTION - GARAGE ADDITION NORTH
1/4" = 1'-0"

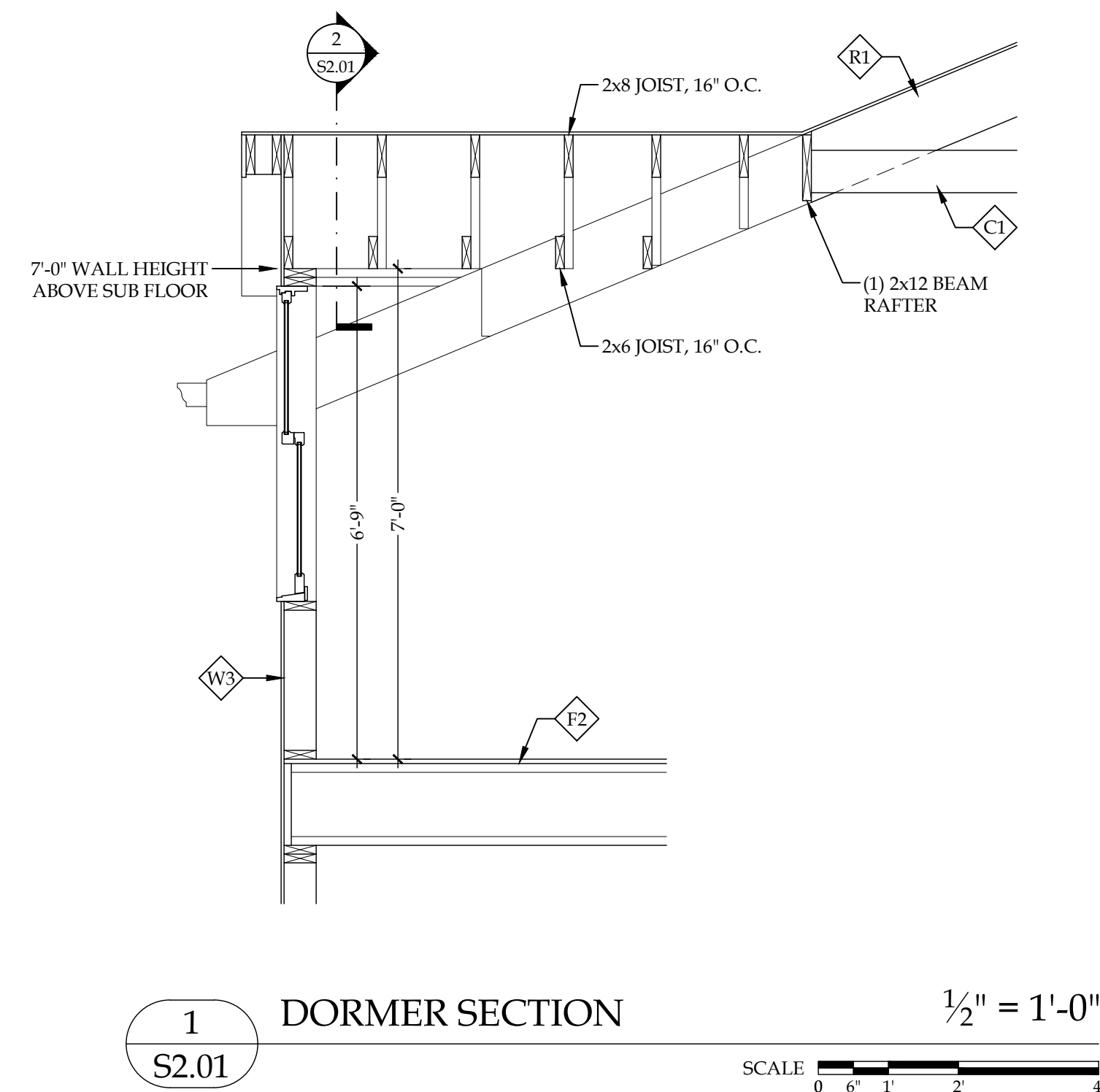


2 BUILDING SECTION - GARAGE ADDITION WEST
1/4" = 1'-0"

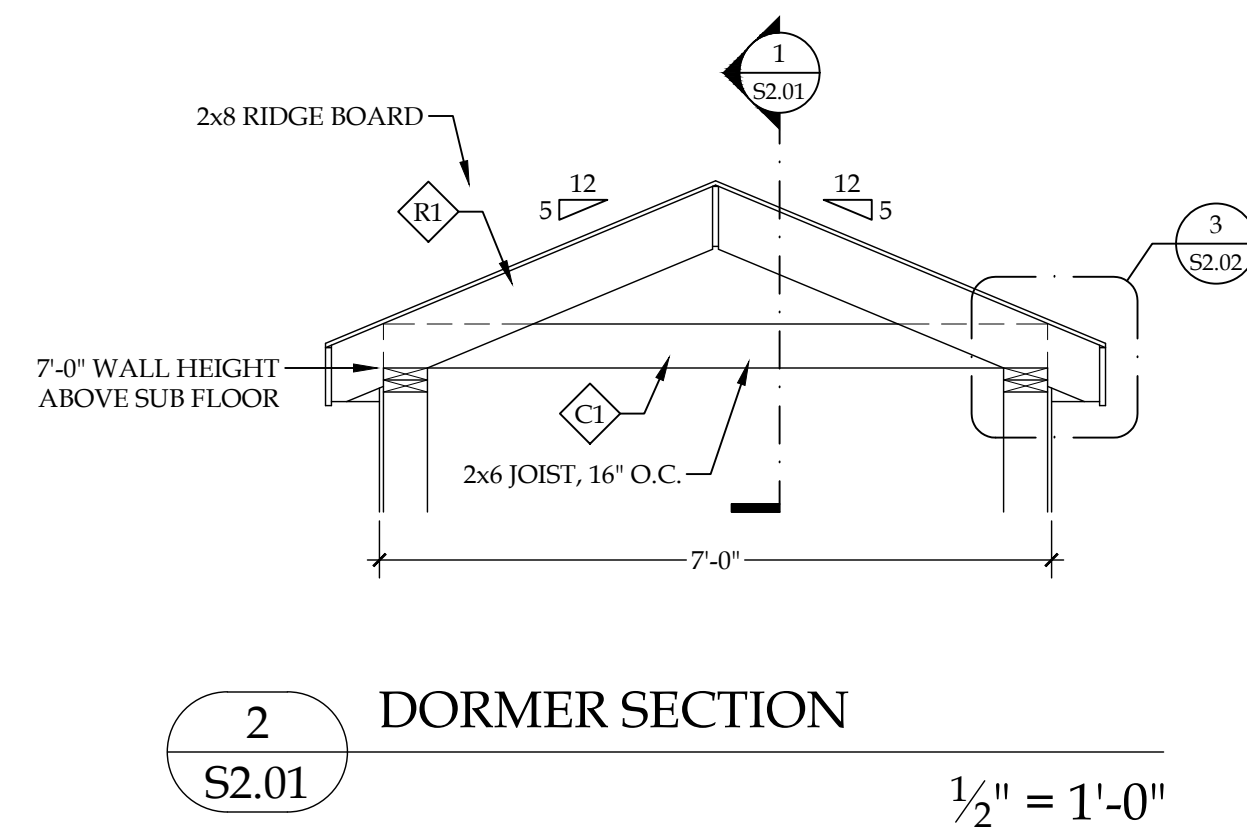


3 BUILDING SECTION - GARAGE ADDITION STAIRWAY
1/4" = 1'-0"

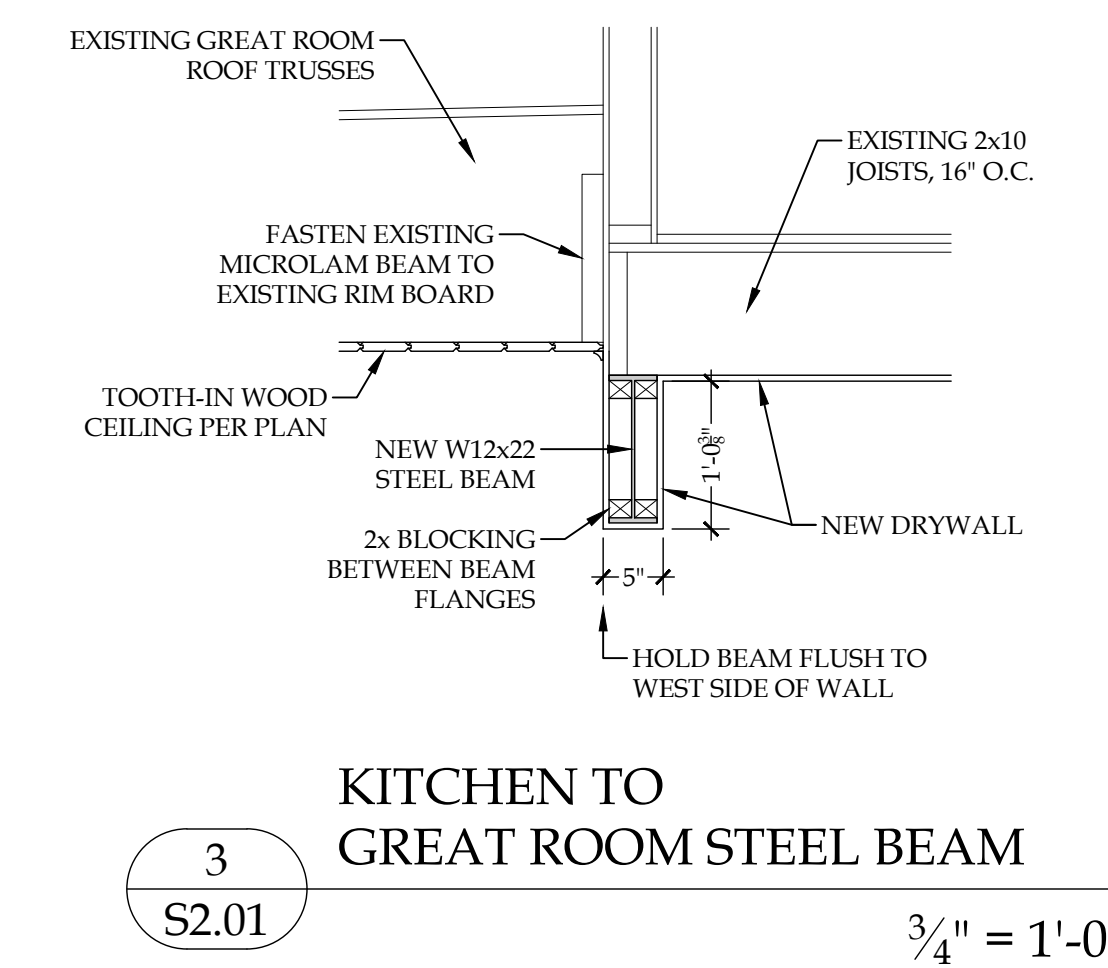
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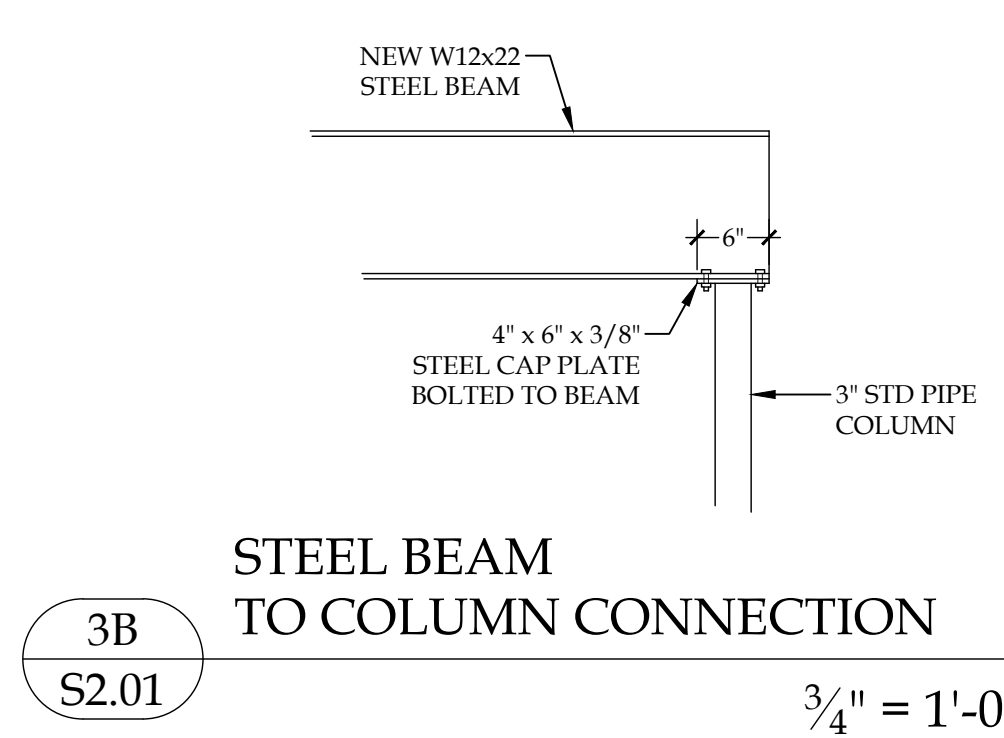
1 DORMER SECTION $\frac{1}{2}'' = 1'-0''$
 S2.01 SCALE 0 6" 1' 2' 4'



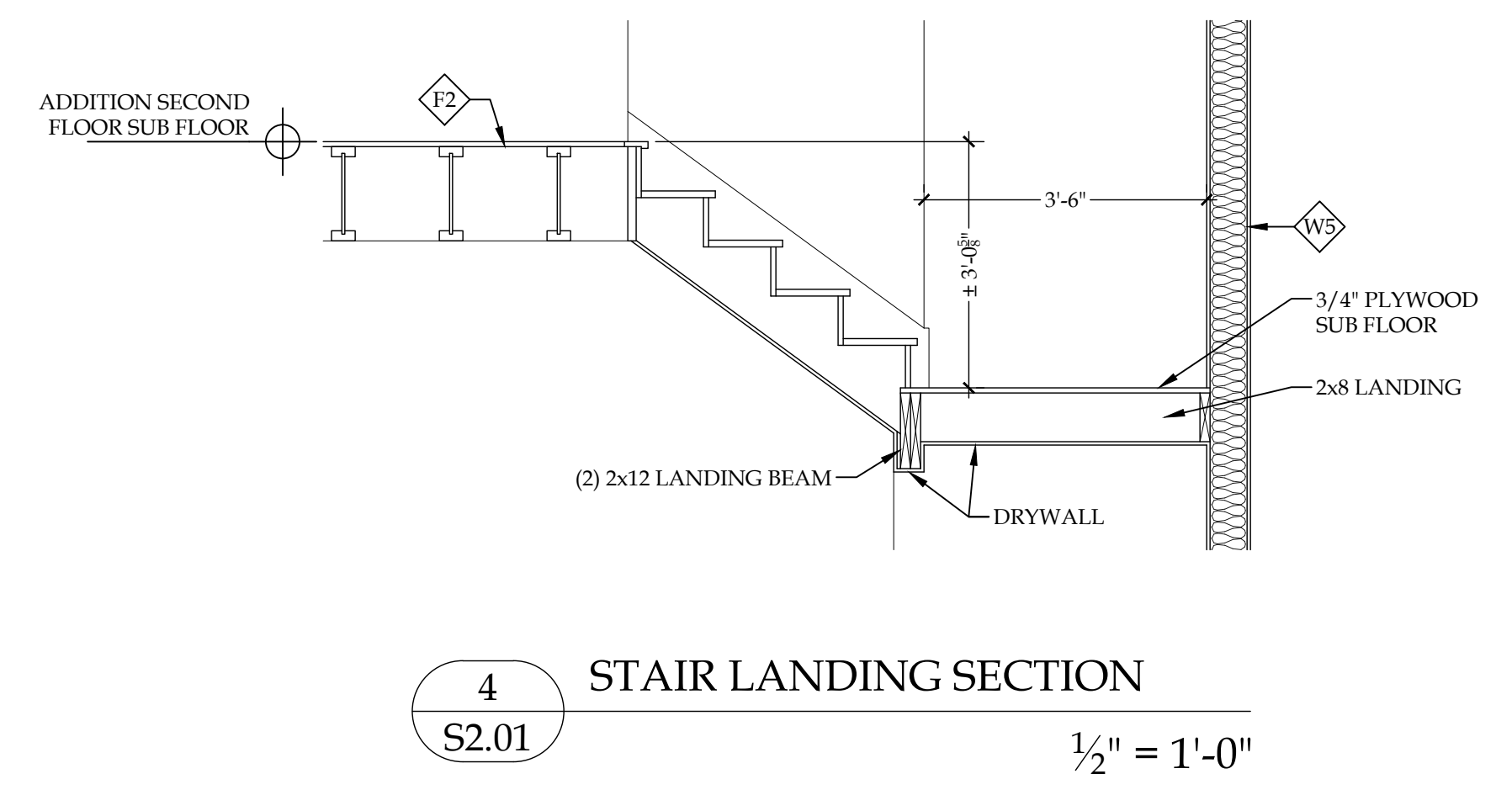
2 DORMER SECTION $\frac{1}{2}'' = 1'-0''$
 S2.01



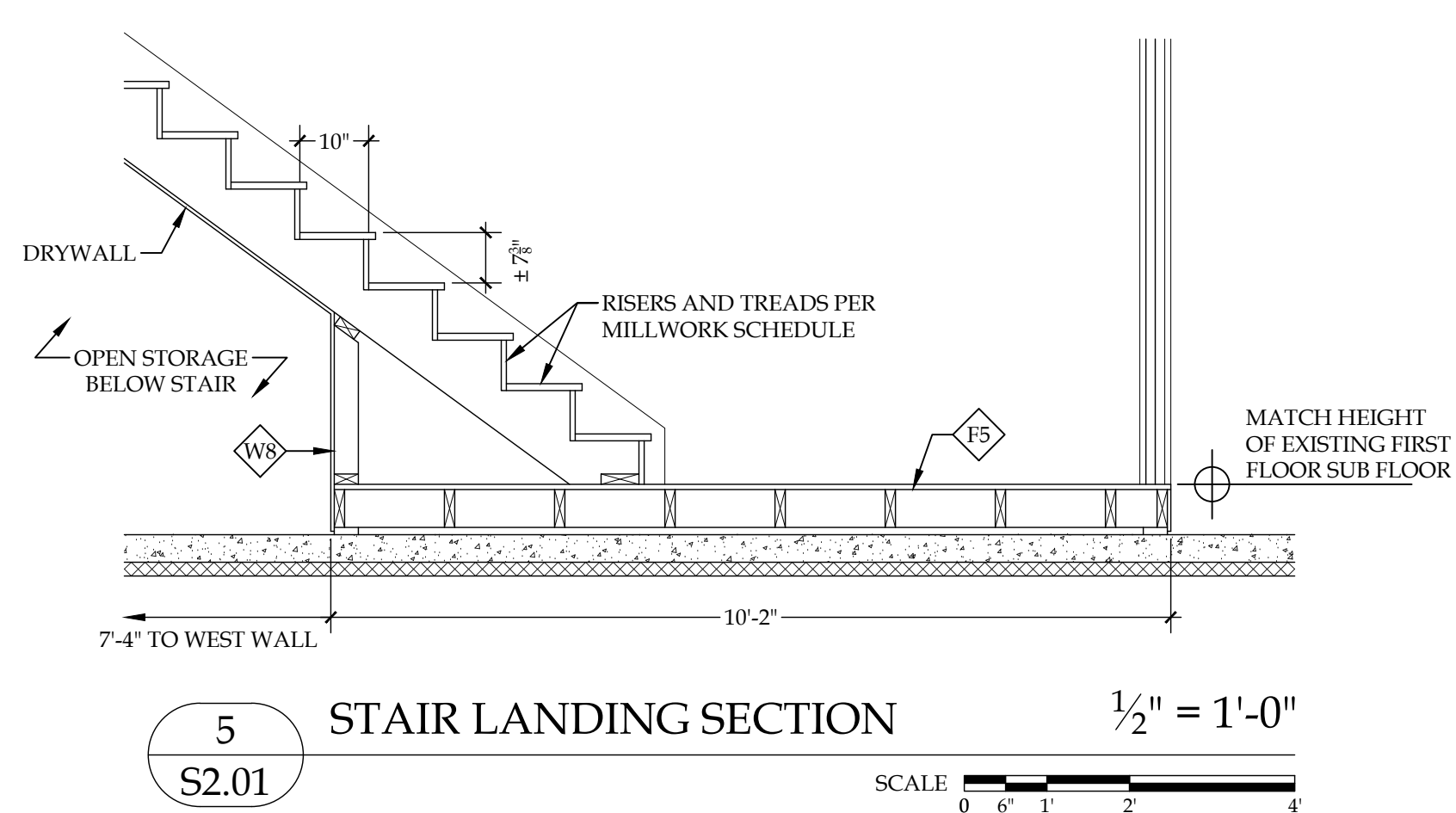
3 KITCHEN TO GREAT ROOM STEEL BEAM $\frac{3}{4}'' = 1'-0''$
 S2.01



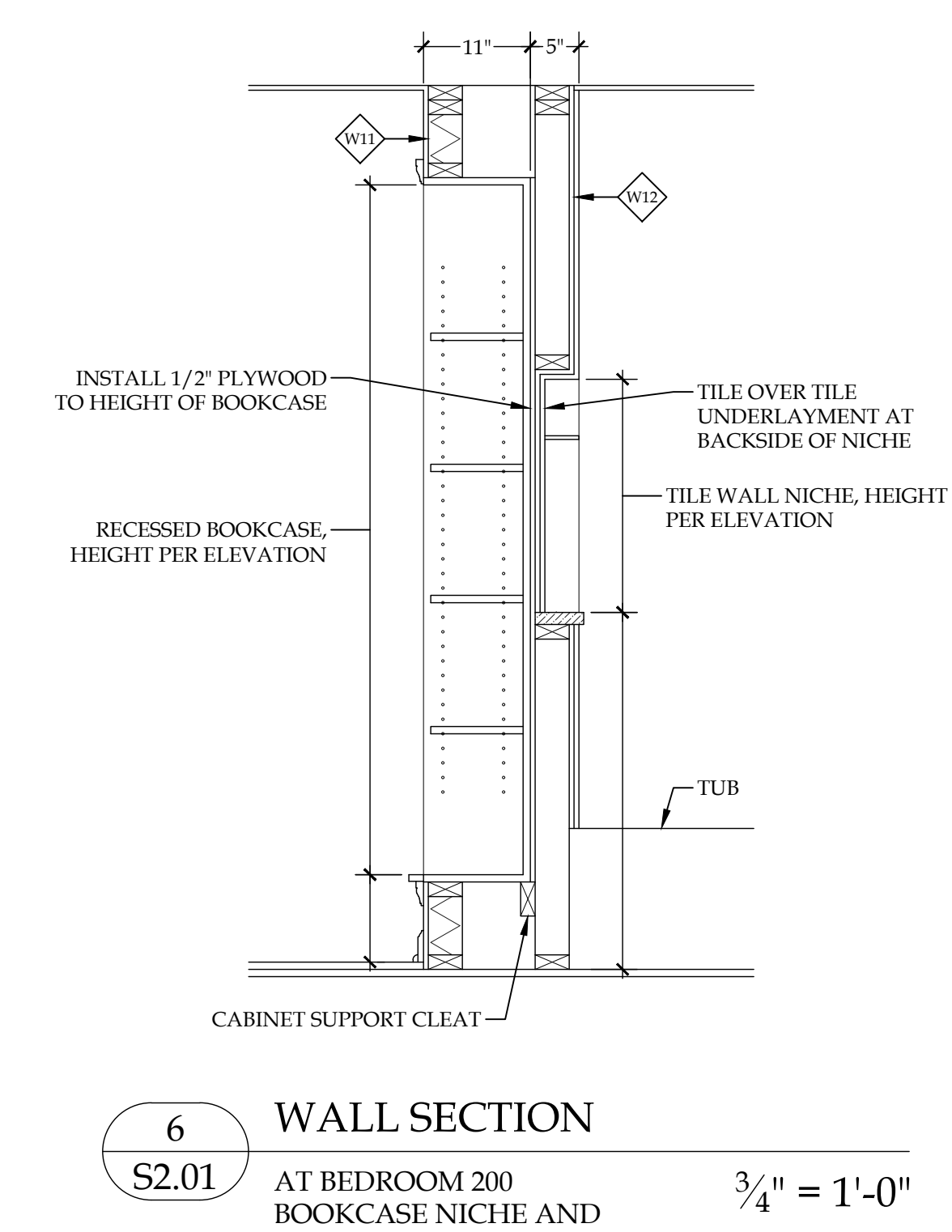
3B STEEL BEAM TO COLUMN CONNECTION $\frac{3}{4}'' = 1'-0''$
 S2.01



4 STAIR LANDING SECTION $\frac{1}{2}'' = 1'-0''$
 S2.01



5 STAIR LANDING SECTION $\frac{1}{2}'' = 1'-0''$
 S2.01 SCALE 0 6" 1' 2' 4'



6 WALL SECTION AT BEDROOM 200 BOOKCASE NICHE AND BATH 201 TILE NICHE $\frac{3}{4}'' = 1'-0''$
 S2.01

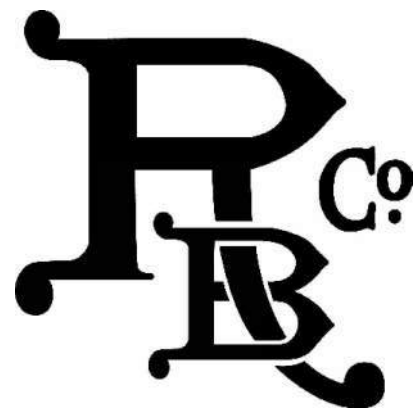
KCJ

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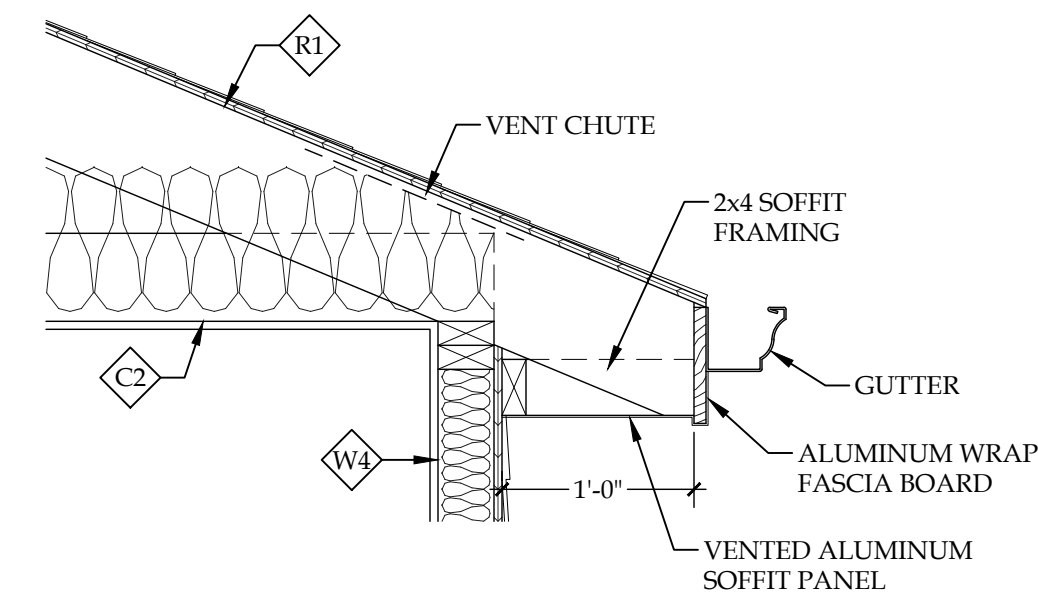
BID SET
 12/22/2025

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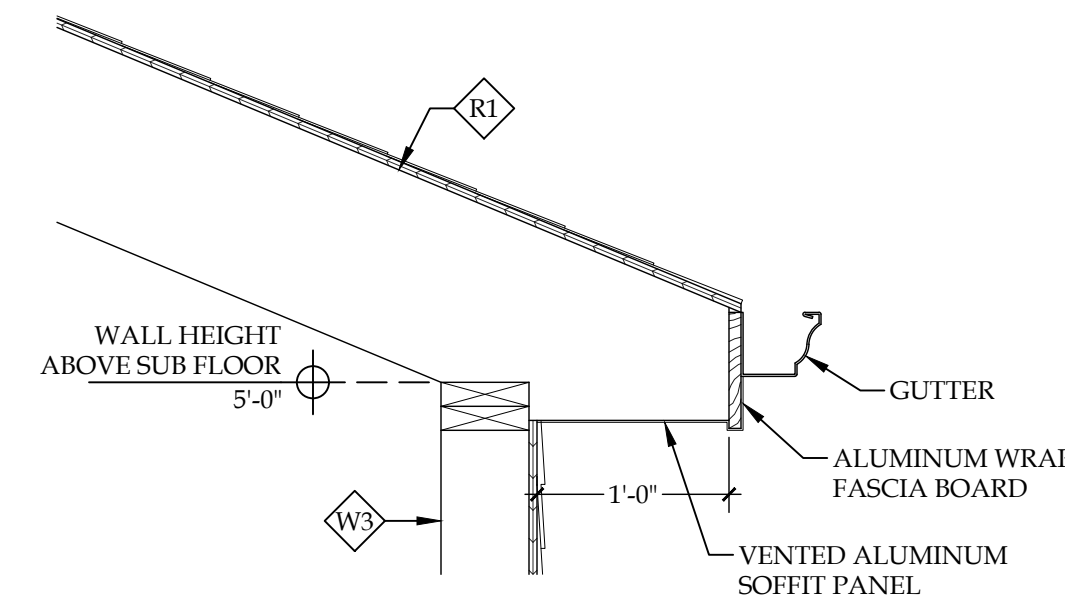


S2.01

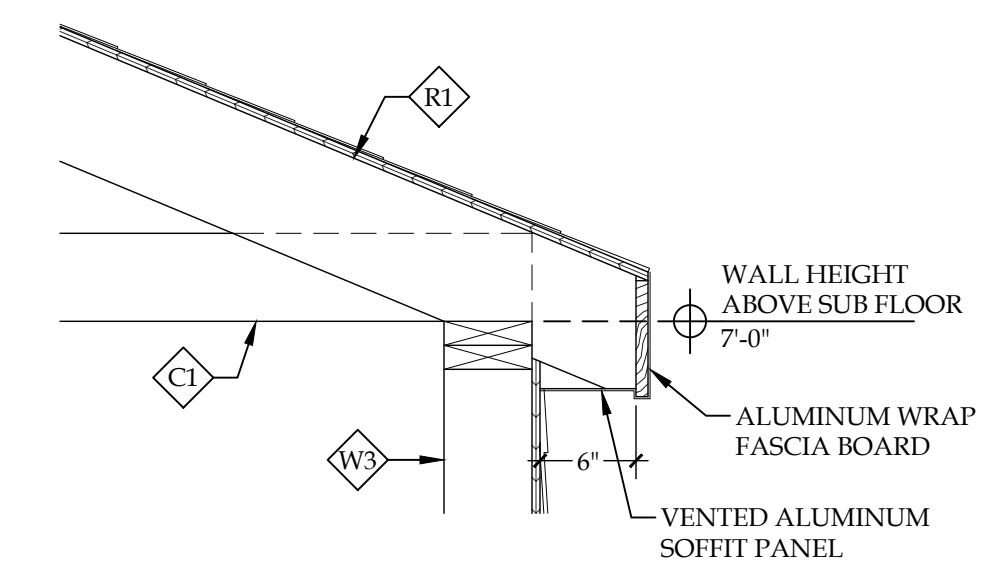
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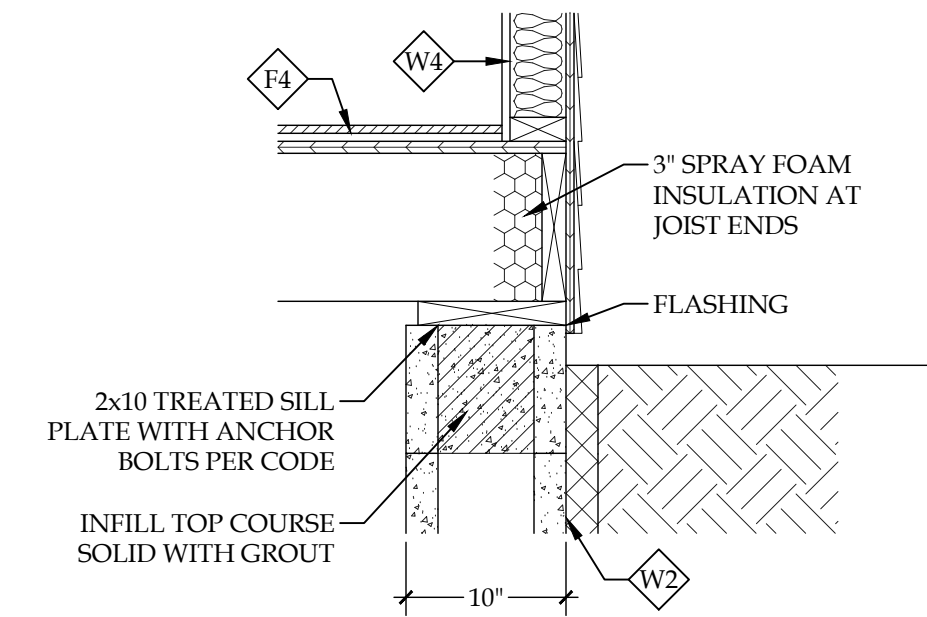
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S2.02 MUDROOM EAVE DETAIL
 1" = 1'-0"



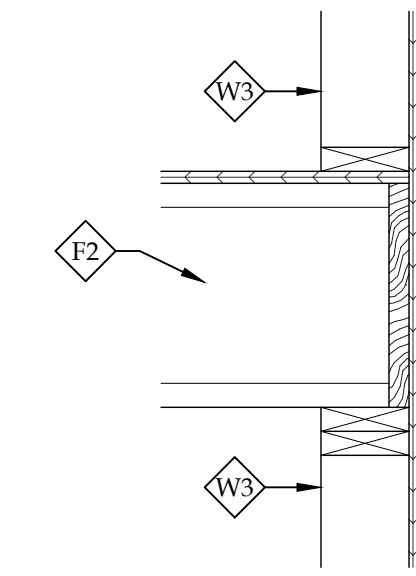
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S2.02 GARAGE ADDITION EAVE DETAIL
 1" = 1'-0"



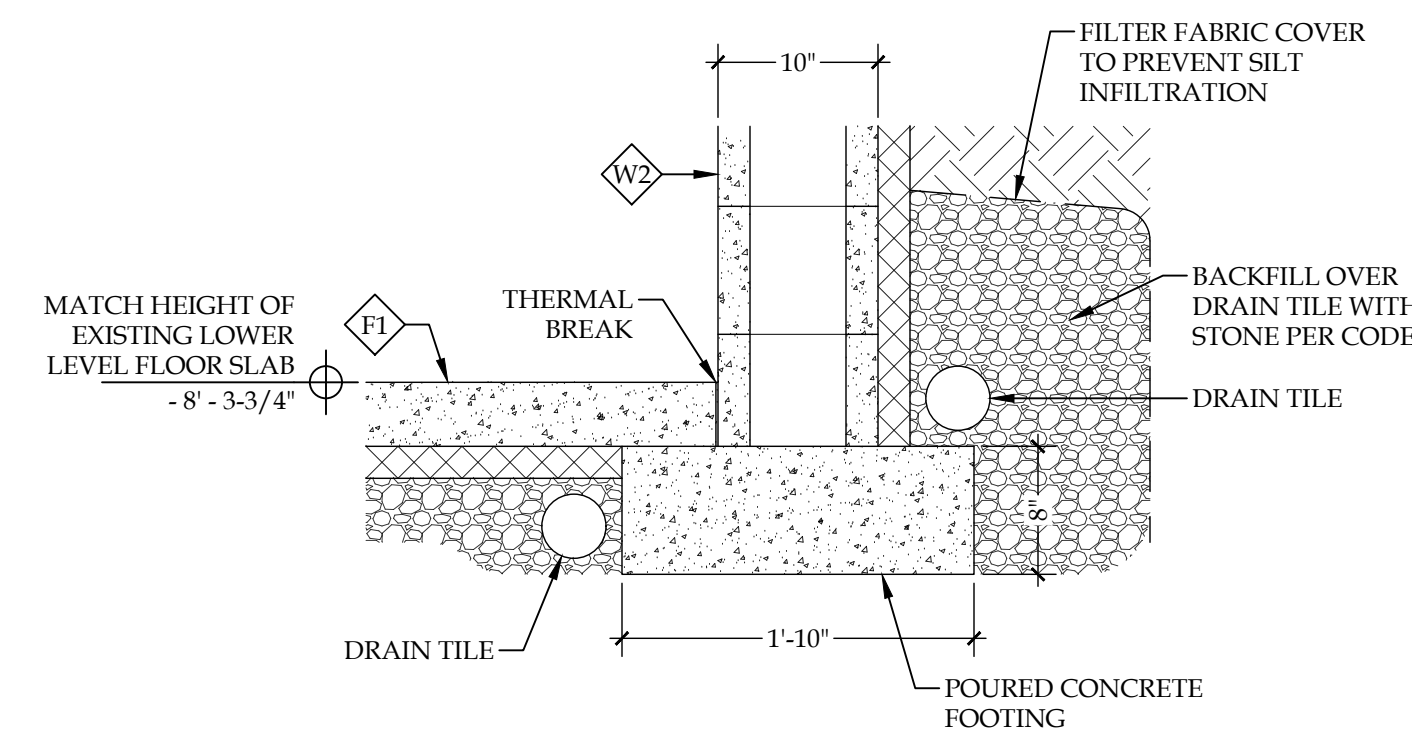
3
S2.02 DORMER EAVE DETAIL
 1" = 1'-0"



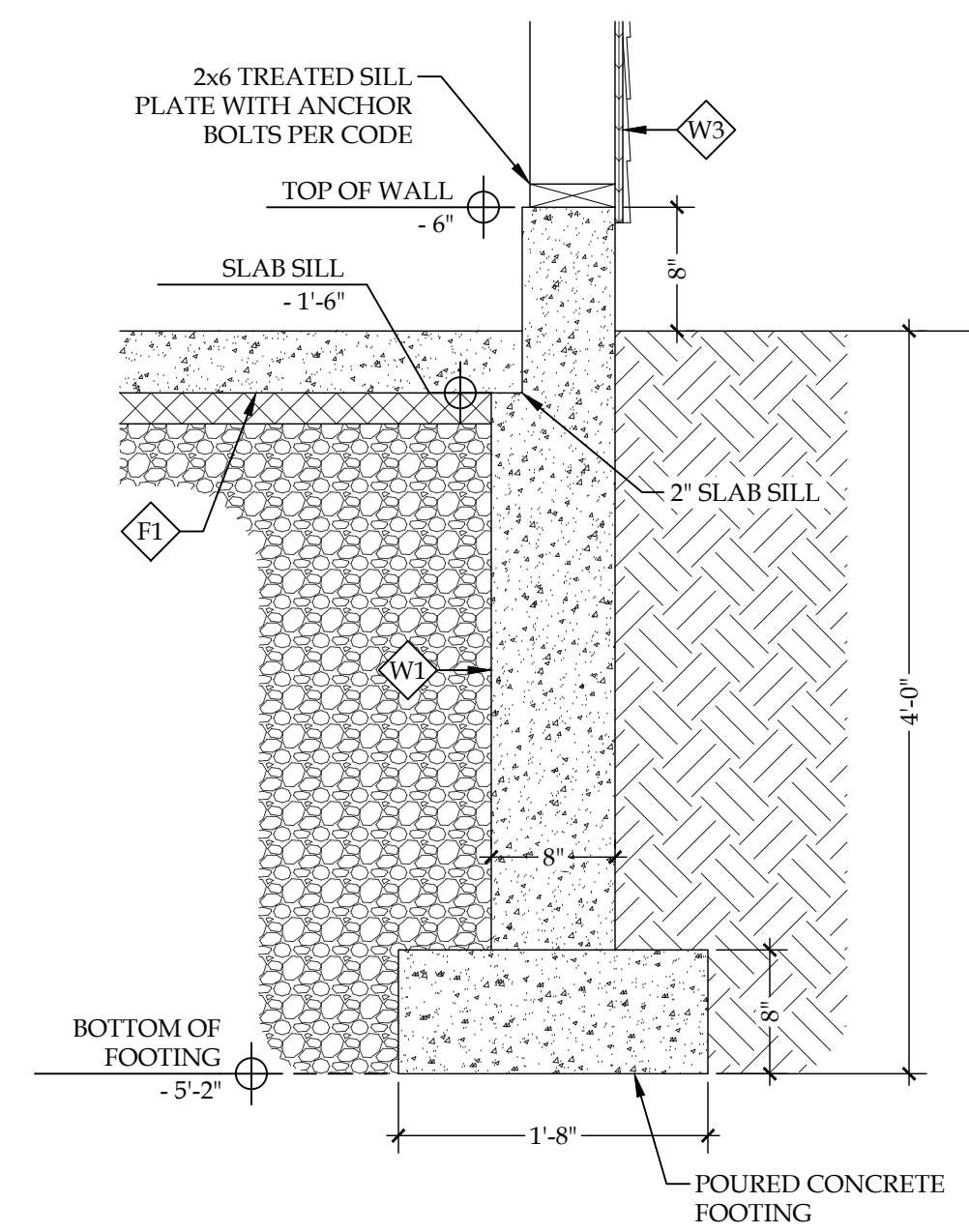
4
S2.02 FLOOR TO WALL CONNECTION
 1" = 1'-0"



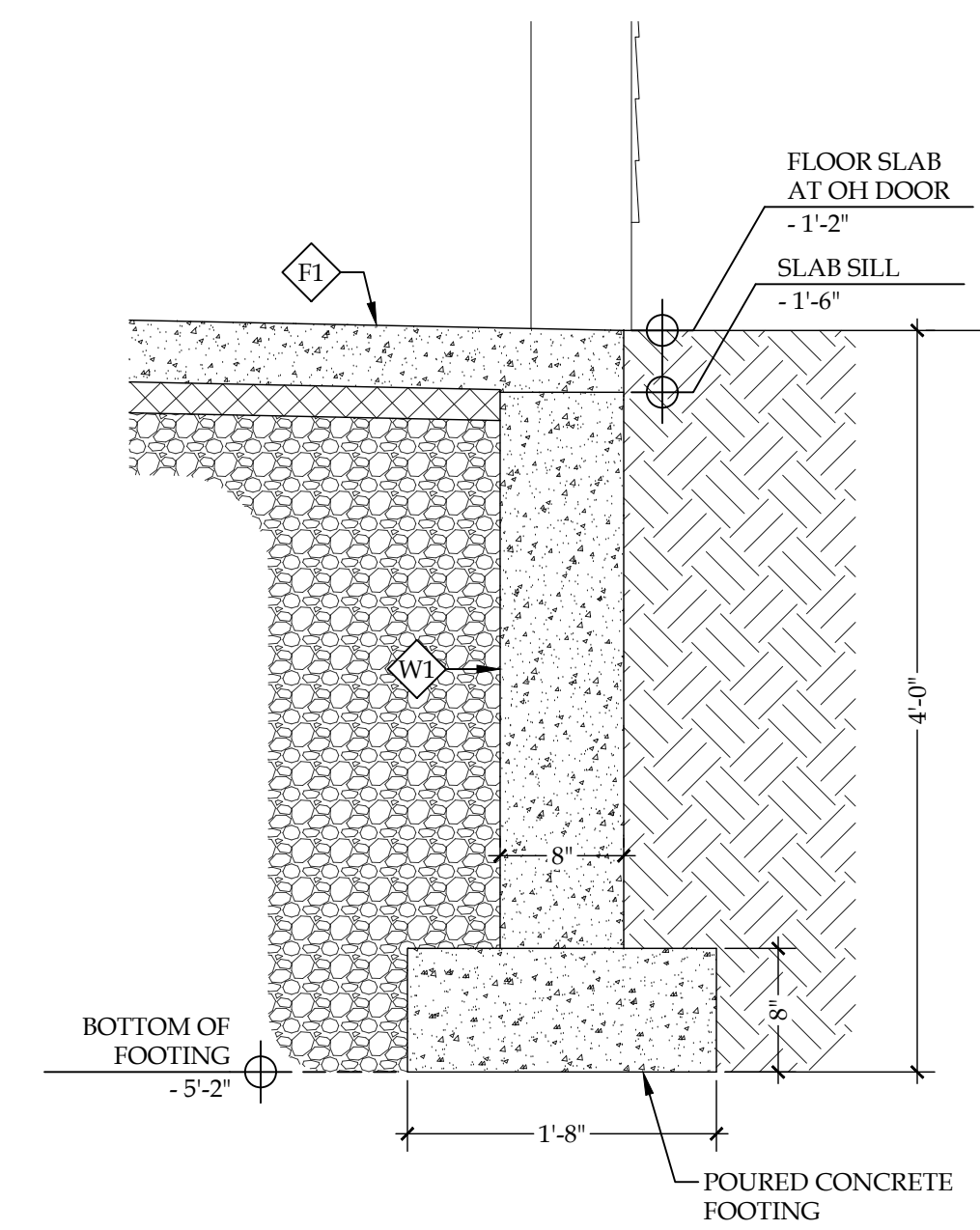
5
S2.02 FLOOR TO WALL CONNECTION
 1" = 1'-0"



6
S2.02 FOOTING DETAIL
 1" = 1'-0"



7
S2.02 FOOTING DETAIL
 1" = 1'-0"



8
S2.02 FOOTING DETAIL
 1" = 1'-0"

NOT FOR CONSTRUCTION