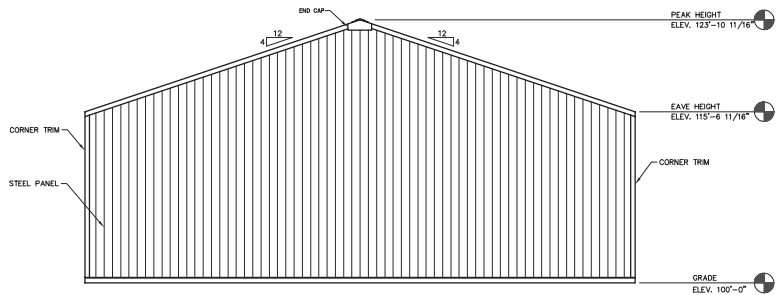


WEST ENDWALL

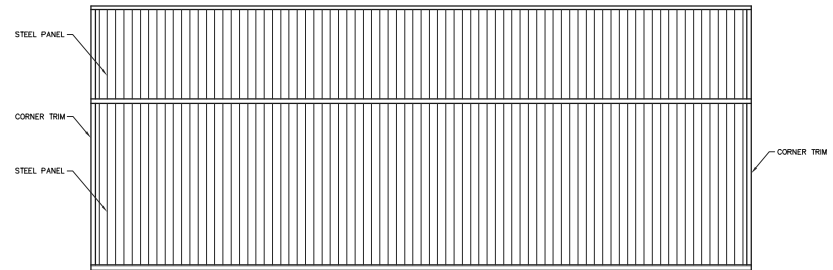
NOTE:  
OWNER TO VERIFY WITH LOCAL OFFICIALS IF  
PROPOSED SERVICE DOOR IS AN ACCEPTABLE  
MEANS OF EGRESS.

NOTE:  
OWNER TO PROVIDE SUFFICIENT EAVE VENTILATION  
TO COVER A MINIMUM OF 5 SQ. FT. (720 SQ. IN.)

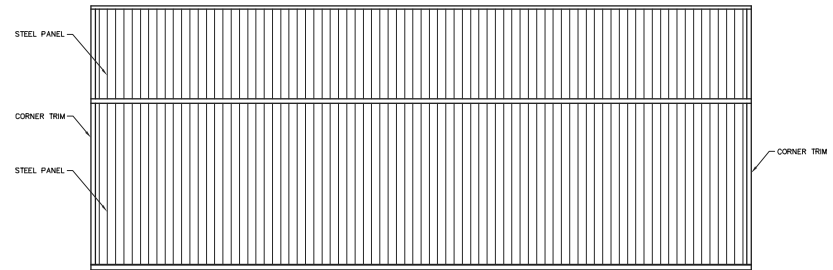


EAST ENDWALL

ELEVATIONS  
SCALE: 3/16"=1'-0"



NORTH SIDEWALL



SOUTH SIDEWALL

**ENGINEERING SERVICES**  
6801 KADAN RD. BLDG CLARK, WI 53001 (715) 875-0000  
FOR QUESTIONS PLEASE CONTACT BUILDING  
DESIGNER AT THE FOLLOWING:  
ENGINEERING@MIDWESTMANUFACTURING.COM

PROJECT TITLE:  
**AMERICAN  
RENTALS**

WATERTOWN, WI

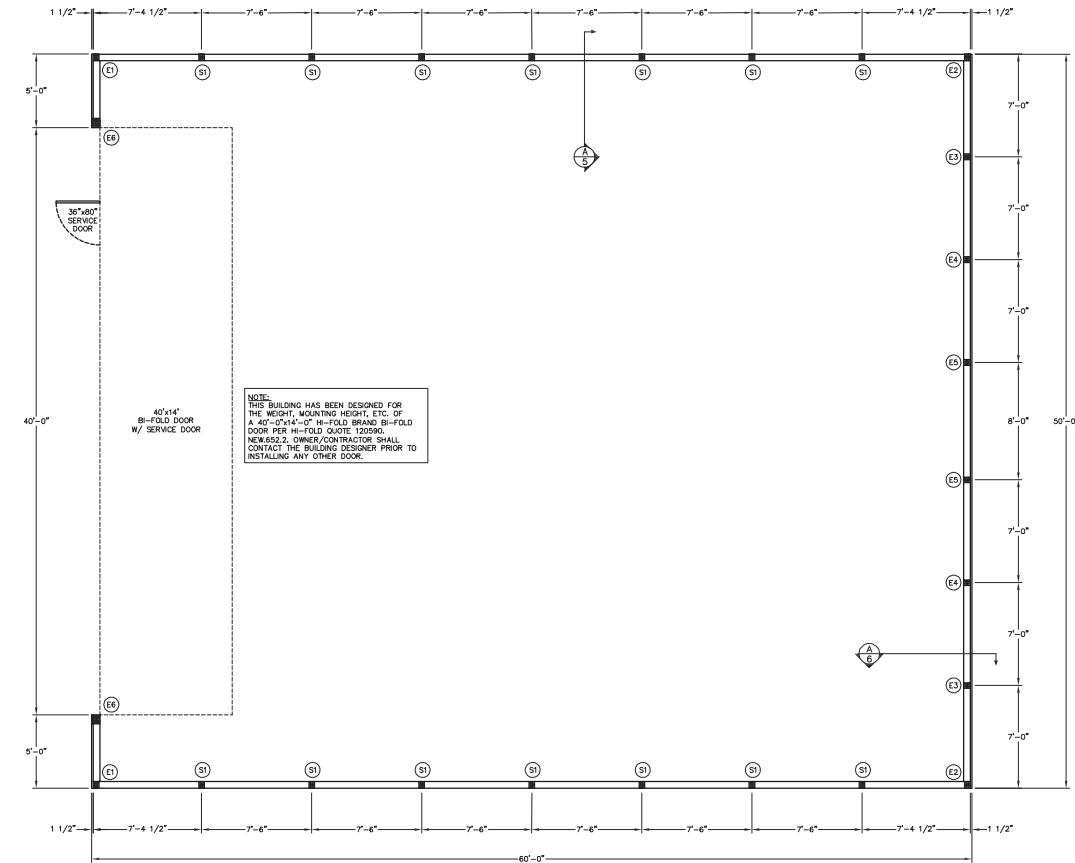
PROF. ENGINEER: JEFF MURRAY  
PLAN DESIGNER: CHOUA KHA  
DRAWN BY: JMS  
DATE: 4/26/2024  
SCALE: AS NOTED

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		

SHEET TITLE:  
ELEVATIONS

FILE NAME: SH11324WI  
SHEET NO.

**S2**



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

COLUMN & FOOTING SCHEDULE				
COLUMN LOCATION	COLUMN DESCRIPTION	EMBEDMENT	NUMBER OF COLUMNS	FOOTING DESCRIPTION
S1	3-PLY (22')-2x6 #1 SYP LAMINATED COLUMN	4'-8"	14	20"x48" CONCRETE FOOTING
E1	3-PLY (22')-2x6 2400F MSR SYP LAMINATED COLUMN	4'-8"	2	14"x44" CONCRETE FOOTING
E2	3-PLY (22')-2x6 #1 SYP LAMINATED COLUMN	4'-8"	2	14"x44" CONCRETE FOOTING
E3	3-PLY (24')-2x6 #1 SYP LAMINATED COLUMN	4'-8"	2	14"x44" CONCRETE FOOTING
E4	3-PLY (22')-2x6 #1 SYP LAMINATED COLUMN	4'-8"	2	14"x44" CONCRETE FOOTING
E5	3-PLY (28')-2x6 2400F MSR SYP LAMINATED COLUMN	4'-8"	2	14"x44" CONCRETE FOOTING
E6	3-PLY (24')-2x6 2400F MSR SYP LAMINATED COLUMN	5'-0"	2	14"x44" CONCRETE FOOTING

NOTE: IF CONCRETE FOOTINGS ARE POURED ON SITE, THEN FOOTINGS MUST BE A MINIMUM OF 8" THICK.

NOTE: THIS BUILDING CONTAINS 22' LONG COLUMNS ON BOTH #1 SYP AND 2400F MSR SYP GRADE LUMBER. OWNER/CONTRACTOR TO VERIFY THAT THESE COLUMNS ARE INSTALLED IN THE CORRECT LOCATIONS WITHIN THE BUILDING.

NOTE: OWNER TO VERIFY WITH LOCAL OFFICIALS IF PROPOSED SERVICE DOOR IS AN ACCEPTABLE MEANS OF EGRESS.

**ENGINEERING SERVICES**  
6801 KADDER RD. BAO CLARK, WI 53009 (715) 875-0000  
FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING:  
ENGINEERING@MIDWESTMANUFACTURING.COM

PROJECT TITLE:  
**AMERICAN RENTALS**

WATERTOWN, WI

PROF. ENGINEER: JEFF MURRAY  
PLAN DESIGNER: CHOUA KHA  
DRAWN BY: JMS  
DATE: 4/26/2024  
SCALE: AS NOTED

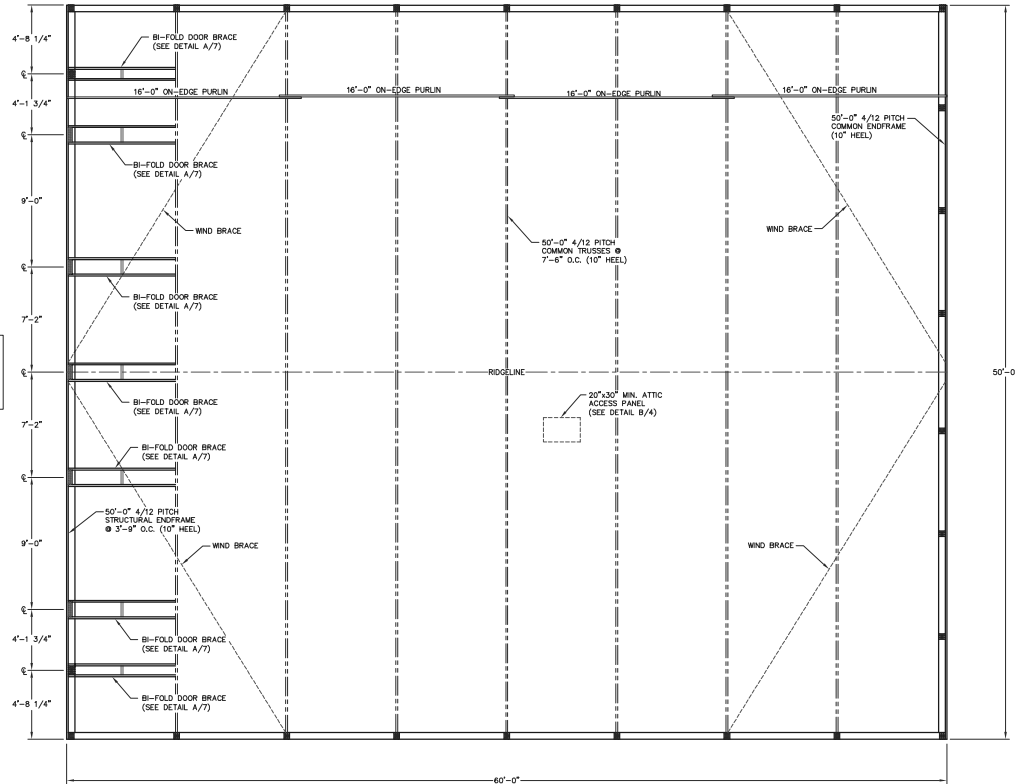
REVISIONS

NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:  
FLOOR PLAN

FILE NAME: SH11324W  
SHEET NO.  
**S3**

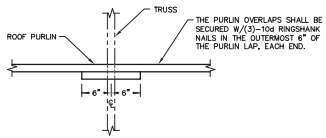
NOTE:  
THIS BUILDING HAS BEEN DESIGNED FOR THE HEIGHT, MOUNTING HEIGHT, ETC. OF A 40'-0"x14'-0" HI-FOLD BRAND BI-FOLD DOOR PER HI-FOLD QUOTE 122595. NEW652.2. OWNER/CONTRACTOR SHALL CONTACT THE BUILDING DESIGNER PRIOR TO INSTALLING ANY OTHER DOOR.



ROOF FRAMING PLAN  
SCALE: 1/4"=1'-0"

NOTE:  
OWNER TO PROVIDE SUFFICIENT EAVE VENTILATION TO COVER A MINIMUM OF 5 SQ. FT.

NOTE: ATTIC AREA SHALL BE COMPARTMENTALIZED INTO AREAS NOT GREATER THAN 3000 SQ. FT. BY FIRE STOPPING AS SPECIFIED IN IRC 717.4.3. EVERY ATTIC COMPARTMENT SHALL BE PROVIDED WITH A 20"x30" ACCESS PANEL FROM LOWER AREA OR ACCESS PANELS IN COMPARTMENT WALLS SHALL BE PROVIDED WITH SELF CLOSING DEVICES. (INCLUDES OVERHANGS)

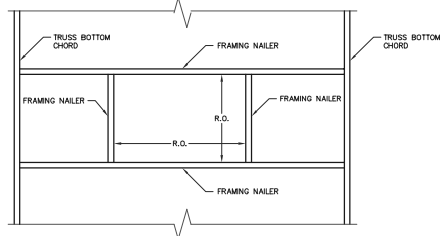


NOTE:  
2x4 ROOF PURLINS (ON-EDGE), THE FIRST (4) ROWS OF PURLINS AFTER THE PEAK PURLIN SHALL BE AT 24" O.C. WITH THE BALANCE AT 24" O.C. ROOF PURLINS ARE TO BE SECURED TO THE TRUSS W/1"-60S RINGSHANK NAIL AT EACH PURLIN TO TRUSS LOCATION.

A PURLIN OVERLAP DETAIL  
SCALE: 1"=1'-0"

NOTE:  
WIND BRACE SHALL BE A 2x4 PLACED ON THE UNDERSIDE OF THE ROOF PURLINS. WIND BRACE SHALL BE SECURED W/1/2"-30d RINGSHANK NAILS AT EACH END AND W/1"-10d RINGSHANK NAIL AT EACH BRACE TO PURLIN LOCATION.

NOTE:  
LATERAL BRACING IS REQUIRED. SEE TRUSS SPECIFICATION SHEET(S) FOR LATERAL BRACE LOCATIONS.



B ATTIC ACCESS FRAMING  
SCALE: 3/4"=1'-0"



ENGINEERING SERVICES

6001 KADEN RD. BAO CLARK, WI 53001 (715) 870-0000

FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING:

ENGINEERING@AMWESTMANUFACTURING.COM

PROJECT TITLE:

AMERICAN RENTALS

WATERTOWN, WI

PROF. ENGINEER: JEFF MURRAY

PLAN DESIGNER: CHOUA KHA

DRAWN BY: JMS

DATE: 4/26/2024

SCALE: AS NOTED

REVISIONS

NO	DATE	DESCRIPTION	BY
1			
2			

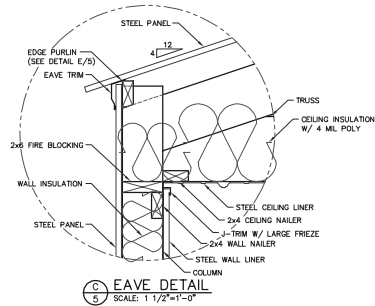
SHEET TITLE:

ROOF FRAMING PLAN

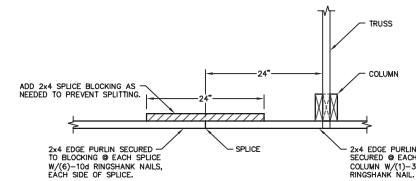
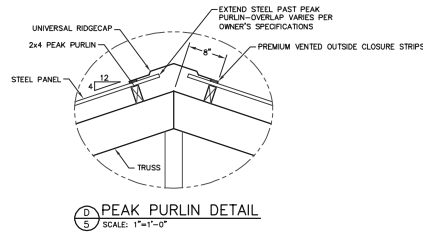
FILE NAME: SH1324W

SHEET NO.

S4



**NOTE:**  
2x4 PEAK PURLINS BUTTED END TO END AND ALL OTHER PURLINS WILL OVERLAP 8" MIN.



**SIDEWALL SECTION FASTENER NOTES**

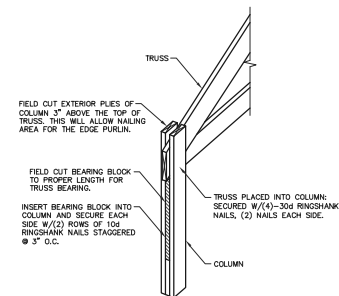
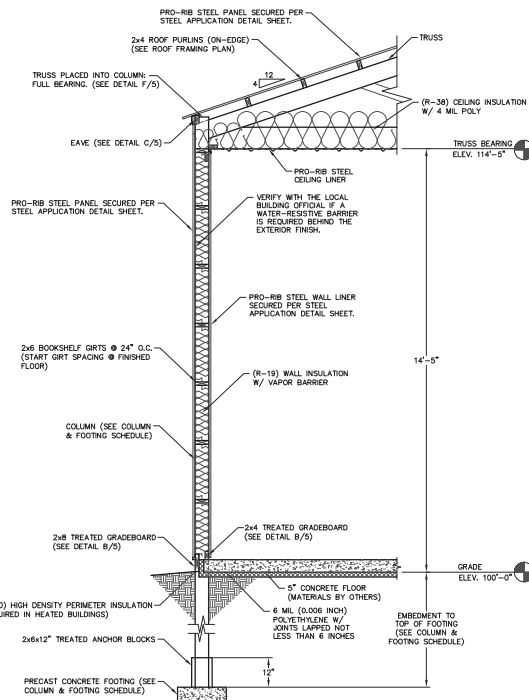
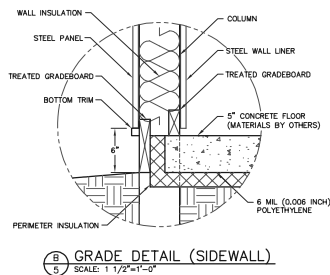
**WALL GIRTS:**  
WALL GIRTS SECURED WITH (2)-30d RINGSHANK NAILS AT EACH GIRT TO COLUMN LOCATION.

**INTERIOR TREATED GRADEBOARD:**  
TREATED GRADEBOARD SECURED WITH (2)-30d RINGSHANK NAILS AT EACH GRADEBOARD TO COLUMN LOCATION.

**EXTERIOR TREATED GRADEBOARD:**  
TREATED GRADEBOARD SECURED WITH (4)-30d RINGSHANK NAILS AT EACH GRADEBOARD TO COLUMN LOCATION.

**TREATED ANCHOR BLOCKS:**  
TREATED ANCHOR BLOCKS SECURED TO EACH FACE OF THE COLUMN AT THE BASE WITH (4)-30d RINGSHANK NAILS, EACH BLOCK.

**NOTE:**  
OWNER SHALL PROVIDE THICKNESS MARKERS WHICH ARE INSTALLED AT LEAST ONE FOR EVERY 300 SQUARE FEET THROUGHOUT THE ATTIC SPACE IF THE INSULATION IS BLOWN INTO PLACE. THE MARKERS SHALL BE AFFIXED TO THE TRUSSES AND MARKED WITH THE MINIMUM INITIAL INSTALLED THICKNESS AND MINIMUM SETTLED THICKNESS. EACH MARKER SHALL FACE THE ATTIC ACCESS PANEL.



FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING:  
ENGINEERING@MIDWESTMANUFACTURING.COM

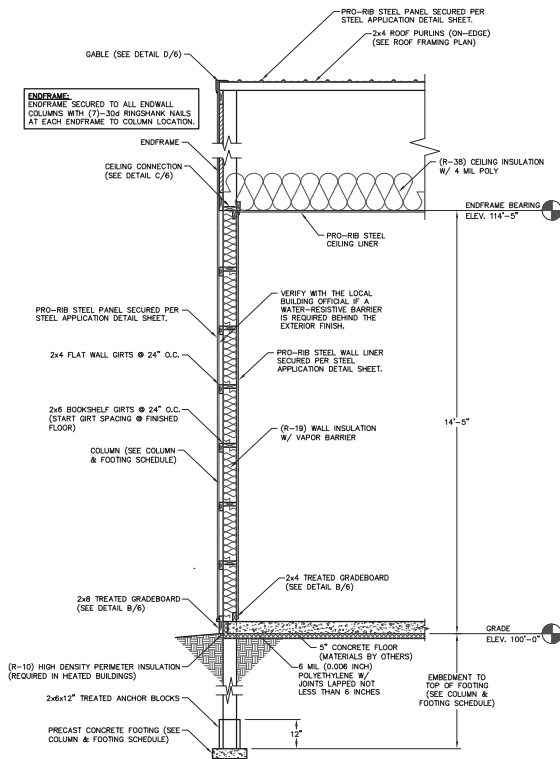
PROJECT TITLE:  
**AMERICAN RENTALS**

WATERTOWN, WI  
PROF. ENGINEER: JEFF MURRAY  
PLAN DESIGNER: CHOUA KHA  
DRAWN BY: JMS  
DATE: 4/26/2024  
SCALE: AS NOTED

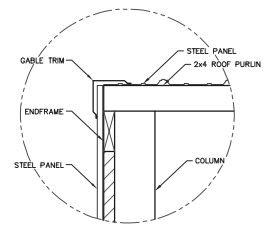
REVISIONS		
NO	DATE	DESCRIPTION
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SHEET TITLE:  
SIDEWALL SECTION AND SECTION DETAILS  
FILE NAME: SH11324WI  
SHEET NO.

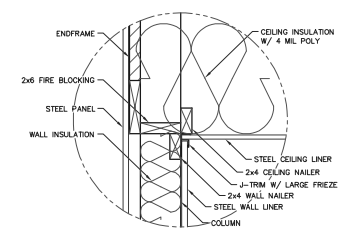
**S5**



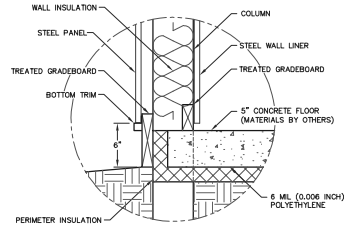
**A** ENDWALL SECTION  
SCALE: 1/2"=1'-0"



**D** GABLE TRIM DETAIL  
SCALE: 1 1/2"=1'-0"



**C** CEILING CONNECTION DETAIL  
SCALE: 1 1/2"=1'-0"



**B** GRADE DETAIL (ENDWALL)  
SCALE: 1 1/2"=1'-0"

**SIDEWALL SECTION FASTENER NOTES**

**WALL GIRTS:**  
WALL GIRTS SECURED WITH (2)-30d RINGSHANK NAILS AT EACH GRT TO COLUMN LOCATION.


**INTERIOR TREATED GRADEBOARD:**  
TREATED GRADEBOARD SECURED WITH (2)-30d RINGSHANK NAILS AT EACH GRADEBOARD TO COLUMN LOCATION.

**EXTERIOR TREATED GRADEBOARD:**  
TREATED GRADEBOARD SECURED WITH (4)-30d RINGSHANK NAILS AT EACH GRADEBOARD TO COLUMN LOCATION.

**TREATED ANCHOR BLOCKS:**  
TREATED ANCHOR BLOCKS SECURED TO EACH FACE OF THE COLUMN AT THE BASE WITH (4)-30d RINGSHANK NAILS, EACH BLOCK.

**NOTE:**  
OWNER SHALL PROVIDE THICKNESS MARKERS WHICH ARE INSTALLED AT LEAST ONE FOR EVERY 300 SQUARE FEET THROUGHOUT THE ATTIC SPACE. IF THE INSULATION IS BLOWN INTO PLACE, THE MARKERS SHALL BE AFFIXED TO THE TRUSSES AND MARKED WITH THE MINIMUM INITIAL INSTALLED THICKNESS AND MINIMUM SETTLED THICKNESS. EACH MARKER SHALL FACE THE ATTIC ACCESS PANEL.

**NOTE:**  
CONCEALED WALL SPACES SHALL HAVE FIRE BLOCKING AT CEILING AND FLOOR LEVELS AND HORIZONTAL INTERVALS NOT EXCEEDING 10' PER IBC 718.2. FIRE BLOCKING MAY CONSIST OF TWO INCH NOMINAL MATERIAL, OR INSULATION MEETING IBC REQUIREMENTS.



**ENGINEERING SERVICES**

6801 KADDER RD. BAD CLAMIN, WI 53009 (715) 870-0000

FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING:  
ENGINEERING@MIDWESTMANUFACTURING.COM

PROJECT TITLE:  
**AMERICAN RENTALS**

WATERTOWN, WI

PROF. ENGINEER:	JEFF MURRAY
PLAN DESIGNER:	CHOUA KHA
DRAWN BY:	JMS
DATE:	4/26/2024
SCALE:	AS NOTED

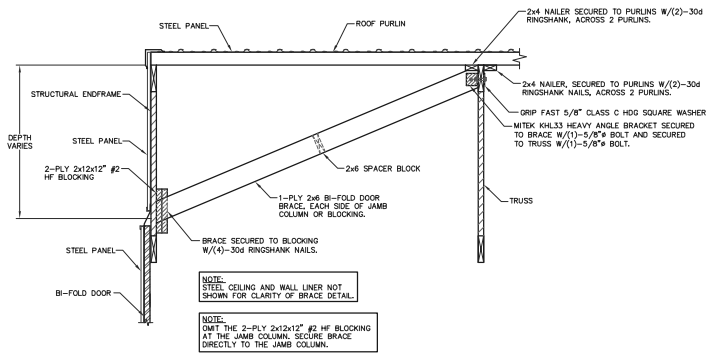
REVISIONS		
NO	DATE	DESCRIPTION
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2		

SHEET TITLE:  
ENDWALL SECTION AND SECTION DETAILS

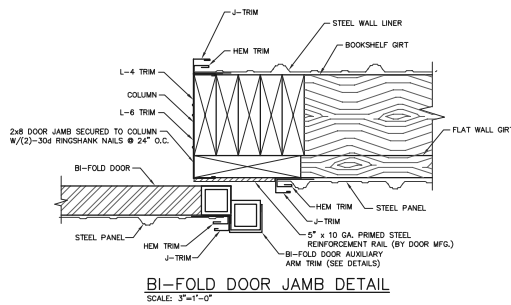
FILE NAME: SH11324WI

SHEET NO.

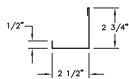
S6



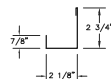
7 BI-FOLD DOOR BRACE @ HINGE LOCATIONS  
SCALE: 3/4"=1'-0"



BI-FOLD DOOR JAMB DETAIL  
SCALE: 3"=1'-0"

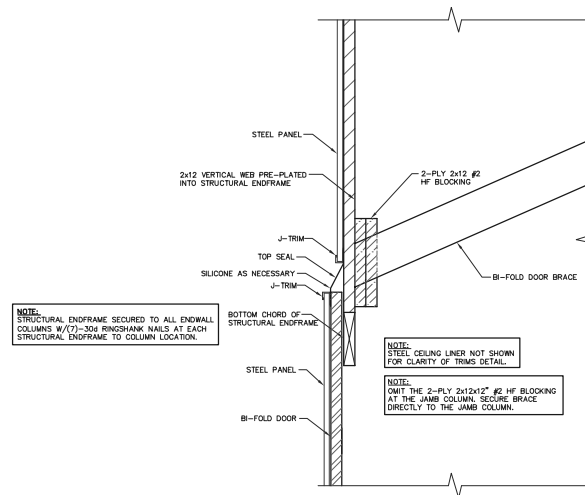


AUXILIARY UPPER ARM TRIM DETAIL

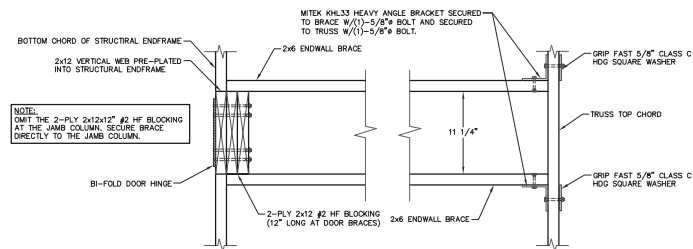


AUXILIARY LOWER ARM TRIM DETAIL


NOTE:  
THIS BUILDING HAS BEEN DESIGNED FOR THE WEIGHT, MOUNTING HEIGHT, ETC. OF A 40'-0\"/>



BI-FOLD DOOR BRACE  
SCALE: 1 1/2\"/>



BI-FOLD DOOR BRACE TOP VIEW  
SCALE: 1 1/2\"/>



**ENGINEERING SERVICES**

ONE BARR RD. BARR CLARE, VT 05647 (703) 876-0800

FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING:  
ENGINEERING@MIDWESTMANUFACTURING.COM

PROJECT TITLE:  
**AMERICAN RENTALS**

WATERTOWN, VT

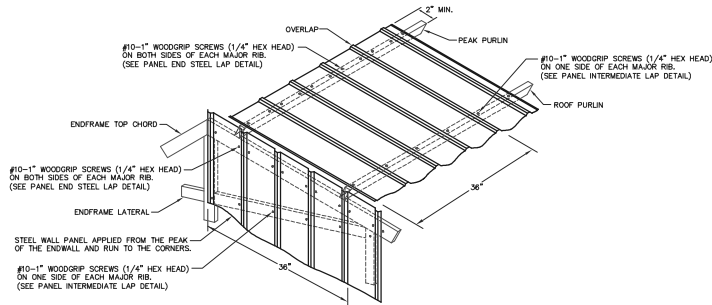
PROF. ENGINEER: JEFF MURRAY  
PLAN DESIGNER: CHOUA KIA  
DRAWN BY: JMS  
DATE: 4/26/2024  
SCALE: AS NOTED

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		

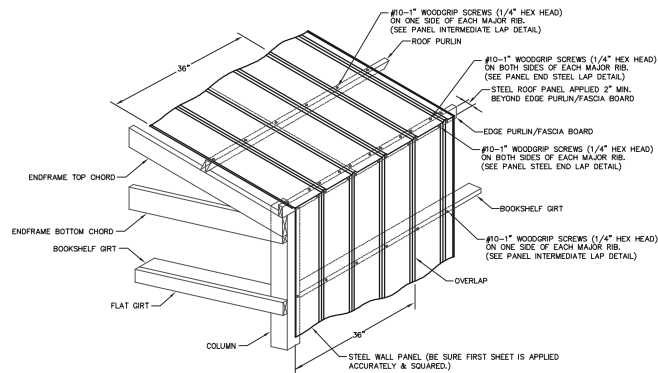
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BI-FOLD DOOR DETAILS

FILE NAME: SH11324W  
SHEET NO.

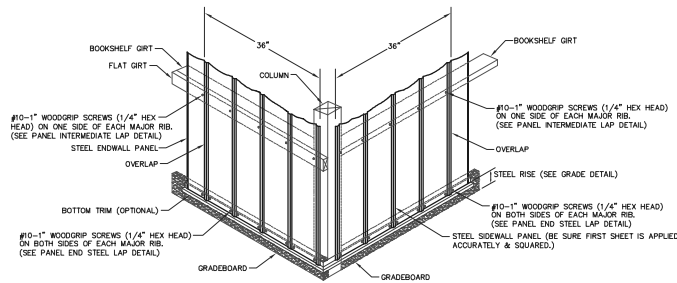
S7



ROOF & ENDWALL STEEL APPLICATION @ GABLE PEAK & INTERMEDIATE



ROOF & SIDEWALL STEEL APPLICATION @ EAVE

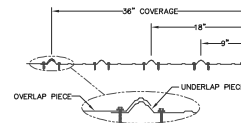


WALL STEEL APPLICATION @ GRADEBOARD

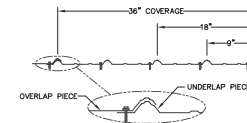
## STEEL APPLICATION DETAILS

### STEEL PANEL INSTALLATION GENERAL NOTES:

1. PROPER LAPPING OF STEEL PANEL IS VERY IMPORTANT IN THE PANEL'S ABILITY TO PREVENT LEAKING. OVERSEATING AND UNDERSEATING OF LAP IS NOT PERMITTED.
2. FASTENER TIGHTNESS IS CRITICAL IN THE LONGEVITY OF THE FASTENER'S ABILITY TO HELP PREVENT LEAKS AND STRUCTURAL LOAD CARRYING CAPACITY. OVER-TIGHTENING OF SCREWS WILL REDUCE THE SCREW'S WITHDRAWAL CAPACITY, REGARDLESS OF THE CONSTRUCTION MATERIALS INVOLVED. UNDER-TIGHTENING OF SCREWS WILL INCREASE THE POTENTIAL OF ROOF LEAKS.
3. FASTENER LOCATION IS CRITICAL FOR INSTALLERS TO MINIMIZE THE POTENTIAL OF OIL CANNING, DIMPLES, AND OTHER APPEARANCE RELATED ISSUES.
4. THE ANTI-SYPHON DRAIN CHANNEL MUST BE CLEAR OF DEBRIS AND OBSTRUCTIONS FOR THE PANEL'S ABILITY TO MINIMIZE THE POTENTIAL OF CAPILLARY ACTION OF WATER FROM GETTING UNDER THE STEEL PANEL.



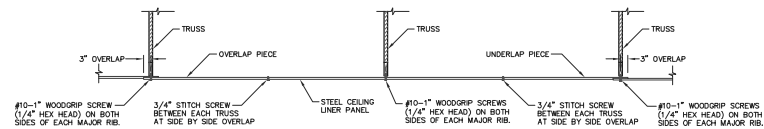
PANEL END STEEL LAP DETAIL  
NOT TO SCALE



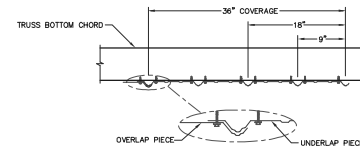
PANEL INTERMEDIATE LAP DETAIL  
NOT TO SCALE

### NOTE:

THE RECOMMENDED PROCEDURE FOR APPLYING CEILING LINER IS:  
APPLYING 1" WOODGRIP SCREWS FROM ONE END OF THE PANEL, HOLDING THE PANEL FLAT TO THE BOTTOM CHORD OF THE TRUSSES AND BETWEEN THE TRUSSES, THEN APPLYING ONE SCREW ON BOTH SIDES OF EVERY MAJOR RIB INTO THE FIRST TRUSS, THEN THE MIDDLE TRUSS, THEN FINALLY AT THE THIRD TRUSS WHERE THE PANEL WILL OVERLAP THE TRUSS 3". THE NEXT PANEL ATTACHED TO THE TRUSS WITH 1" OR LONGER WOODGRIP SCREW ON BOTH SIDES OF EVERY MAJOR RIB. A STITCH SCREW NEEDS TO BE APPLIED AT THE SIDE BY SIDE OVERLAP OF THE PANEL NEXT TO IT HALF WAY BETWEEN EACH TRUSS.



STEEL APPLICATION DETAIL @ CEILING LINER  
SCALE: 1/2"=1'-0"



STEEL CEILING LINER-LAP DETAIL  
NOT TO SCALE



### ENGINEERING SERVICES

ONE BROAD RD. BROAD CLARK, NY 13020 (518) 875-0000

FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING:  
ENGINEERING@MIDWESTMANUFACTURING.COM

PROJECT TITLE:

### AMERICAN RENTALS

WATERTOWN, WI

PROF. ENGINEER: JEFF MURRAY

PLAN DESIGNER: CHOUA KHA

DRAWN BY: JMS

DATE: 4/26/2024

SCALE: AS NOTED

### REVISIONS

NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:

STEEL APPLICATION DETAILS

FILE NAME: SH11324WI

SHEET NO.

S8