Dave Seibel **March 30, 2021**
Cozy Cabins, LLC.
455 East Farmersville Road
New Holland, Pennsylvania 12594

Re: Cozy Cabins, LLC, New Holland, PA
NYSDOS Systems Approval No. M003-2020-031

Submittal: CC-731 Norman Ridge Display / Rental Residence at 89 Norman Ridge Road in Vermontville, NY in Franklin County

Dear Mr. Seibel,

Enclosed please find one (1) electronic copy of the accepted documents for the above referenced manufacturer**.**

PFS Corporation has completed a review only of the enclosed documents and found them to be within the approved systems documents on file with New York Department of State Codes Division and comply with the 2020 NYS Uniform Fire Prevention and Building Code which incorporates the 2020 Residential Code of NYS, 2020 Energy Conservation Construction Code of NYS and 2017 National Electrical Code. The review provided by PFS Corporation is to verify compliance within the approved systems documents only. The Design Professional of Record is responsible for the accuracy and compliance of the attached plans.

To the best of our knowledge, these plans have been found to be within compliance with the State of New York Rules and Regulations, Department of State, Title 19 (NYCRR), Chapter XXXII Division of Code Enforcement and Administration, Part 1209 Regulations and Fees for Factory Manufactured Buildings.

This is a file copy for your records, review and approval. Should you have any question, please feel free to call this office at any time.

Sincerely,
John E. Baker
Staff Plan Reviewer
john.baker@pfsteco.com
Northeast Regional Office

John E. Baker
Digitally signed by John E. Baker
DN: cn=John E. Baker, o=PFS TECO, ou, email=john.baker@pfsteco.com, c=US
Date: 2021.03.30 15:29:46 -04'00'

Enc: As stated above.
Cc: PFS – File copy
Donald Thomas, Jr., AIA (DOS)

DIVISION OF BUILDING STANDARDS AND CODES
STATE OF NEW YORK
DEPARTMENT OF STATE
ONE COMMERCE PLAZA
99 WASHINGTON AVENUE
ALBANY, NY 12231-0001
TELEPHONE: (518) 474-4073
WWW.DOS.NY.GOV

ANDREW M. CUOMO
GOVERNOR

ROSSANA ROSADO
SECRETARY OF STATE

July 2, 2020

Mr. Dave Seibel
Cozy Cabins, LLC
455 E. Farmersville Road
New Holland, PA 17756

NYS RESIDENTIAL MODULAR SYSTEM CODE UPDATE
NEW SYSTEM APPROVAL NUMBER: **M003-2020-031**
PREVIOUS APPROVAL NUMBER: **M003-2019-168**

Dear Mr. Seibel:

In reference to your written application for approval received March 16, 2020 to construct Factory Manufactured **Detached One-Family Dwellings System of Models** designated **M003-2020-031** is hereby approved to allow such construction in compliance with the 2020 NYS Uniform Codes (2020 RCNYS). This approval is authorized under Title 19 NYCRR Part 1209 and **will remain in effect until July 2, 2022,** unless sooner revoked, and is subject to renewal at that time. A revision in the adopted code version will also warrant a revision in this approval. The conditions of this Systems Approval also include the following:

Construction Classification:	Type VB
Maximum Ground Snow Load:	120 PSF
Seismic Design Category:	A, B, C
Wind Speed:	115 mph to ≤139 mph Vult Wind speed ≥140 mph will require engineered design. Models located in regions having a ultimate wind speed of 140 miles per hour or greater shall be submitted to the Division for Individual review and approval.
Exposure Category:	Exp B or C (standard)
Climate Zone:	4, 5, and 6
Additional Conditions:	See the System Cover Sheet for Wind Design Methodologies used in; “Hurricane Prone Regions” and “Non-Hurricane Prone Regions.”

1. The manufacturer will submit their Monthly Permit Report summarizing (listing) all permit sets with information about project location, dwelling type, production serial number, and approval number.

2. Individual permit sets are to be submitted to your independent third party agent for review prior to fabrication. Any deficiencies that are found will be reported to the Manufacturer and corrective actions shall be immediately undertaken. Every sheet of each permit plan set submitted shall be signed and sealed by a licensed design professional registered to practice in New York State. The design professional must also provide a statement on the cover sheet of the permit plan set that certifies the plans have been developed from the original systems set of plans and specifications. Additionally, the certifying design professional shall not be in any way affiliated or associated with the manufacturer’s third party quality assurance agency. The following statement may be used to provide this certification;

*“The plans and specifications of this permit plan set are derived from and consistent with the systems set of plans and specifications approved and on file with the Department of State, which were approved on July 2, 2020 under Systems number **M003-2020-031**.”*

The approval identified above is limited to all construction that takes place in the factory. Site related work including installation and connection of the building and/or components, foundations, mechanical connections, stairs, decks, etc. is the responsibility of the Code Enforcement Official. The presence of the insignia of approval shall be presumptive evidence that the factory manufactured home or component complies with the provisions of the 2020 RCNYS. If the code enforcement official believes that any factory manufactured component is in violation of one or more provisions of the above referenced code, he/she should contact the DOS for further review and/or determination.

3. All trusses designed for use in Modular Buildings shall meet the requirements of the 2020 RCNYS and the design methodology associated with the ASCE 7-16 design standard.

   Individual permit plan sets shall provide as a minimum the following information (but not limited to):

   Cover Sheet which provides information on:
   - The homeowner/project name, project address including Zip Code and County location
   - Structural design criteria listing applicable design loads such as ground snow load, seismic design category, wind speed, live loads, dead loads, flood hazard, etc.
   - Applicable building codes and design specifications
   - Energy code information including method of compliance, the climate zone used for thermal design parameters, and a statement by a design professional certifying that the plans are in compliance with Chapter 11 Energy Efficiency of the 2020 RCNYS.
   - The Occupancy Classification, Type of Construction and square footage
   - Applicable general notes
   - Index of drawings
   - Manufacturer's title block
   - List of items NOT being provided by the modular manufacturer
   - Verify the intended foundation type and show height above grade, and if the AHJ has determined whether the home is three stories above grade and required to be equipped with an NFPA 13D Sprinkler System.
   - Additionally, you must verify the location of the building on the lot according to the 2020 RCNYS Section R302 "Fire-Resistant Construction". Identify the lines used to determine fire separation distance and provide protection complying with Table R302.1(1) "Exterior Walls" and Table R302.1(2) "Exterior Walls – Dwellings with Fire Sprinklers" and Table R302.6 "Dwelling-Garage Separation".

   Foundation Plan *(informational only)* showing:
   - Identify all uniform and concentrated gravity loads in addition to all sliding, uplift, and overturning loads imposed on the foundation by this specific model, all of which need to be used by a design professional in developing the final foundation design.
   - Anchor bolt/hold down locations and spacing, specialty anchor locations and types
   - Stairwell location and framing enclosure if required to complete the conditioned space enclosure

   Floor Plans showing:
   - Location of the "insignia of approval"
   - Square footage area of rooms
   - Amounts of required/provided light and ventilation and emergency egress window locations
   - Location and amounts of wall bracing based on Table R602.10.3 and length requirements based on Table R602.10.5.
   - Location/type of fire rated wall assemblies
   - Header and beam sizes
   - Attic access locations
   - Locations of cathedral or vaulted ceilings
   - Applicable project specific notes

   Building Cross Sections showing:
   - Identification of structural members and roof system
   - Materials used in roof and wall assemblies
   - Insulation locations and types, sizes and "R" values
   - Field completed insulation assemblies
   - Building integration details (module connections)
   - Location/type of horizontal fire separation and required fire blocking
   - Roof truss bracing and structural connections (uplift, lateral, etc.)

- Attic ventilation
- Applicable project specific notes

Building Elevations showing:
- Floor to floor wall heights
- Finished grade line with distance to 1st finished floor to show need for compliance with R313 for automatic sprinkler system. Show building mean roof height (MRH)
- Siding materials
- Window types, ventilation and egress area, U values
- Statement concerning code required field completed items (stairs, landings, decks, handrails, lighting, etc.)
- Label emergency egress windows
- Applicable project specific notes

Electrical Plans showing:
- Smoke and carbon monoxide detector locations
- GFCI outlet locations and arc fault protection provided
- Junction box locations for field connections and miscellaneous future installations
- Ventilation fan capacity and outlet locations
- Electrical load calculations
- Electric panel, Lighting and outlet locations
- Applicable project specific notes

Mechanical/Plumbing Plans showing:
- Drain, waste and venting layout including all pipe sizes (specific to permit set)
- Potable water supply piping (specific to permit set)
- Type and location of domestic hot water heating system
- Type and location of HVAC equipment and duct sizing information
- Heat loss calculations (if HVAC is provided by manufacturer)

Miscellaneous Plans and Details showing:
- Manufacturers truss drawings including special requirements addressed such as sliding, drifting or unbalanced snow load conditions
- Completed “Notice of Utilization of Truss Type Construction” form. (Title 19 NYCRR Part 1265)
- Summary of references to system for selection of structural members
- REScheck energy compliance reports (specific to permit set)
- Window and Door Schedules providing manufacturers’ information

It should be noted that each page of drawings and calculations shall be signed, sealed, and dated by a New York State registered design professional. This approval is subject to the condition that all construction is to be in conformance with the 2020 New York State Uniform Code (2020 RCNYS). **A copy of this letter shall accompany all plans and specifications submitted as part of a permit application to the local jurisdiction.**

Prior to shipment from the factory each manufactured home, model and component shall have securely attached thereto a NYS Insignia as stipulated in Part 1209 of Title 19 NYCRR, paragraph 1209.5. The Insignia of Approval Order form is available by emailing me at: donald.thomas@dos.ny.gov
Please Note: Use the NEW System Approval Number (at the top of this letter) **when ordering Insignia**.

Sincerely,

Don Thomas Jr., AIA – Senior Architect

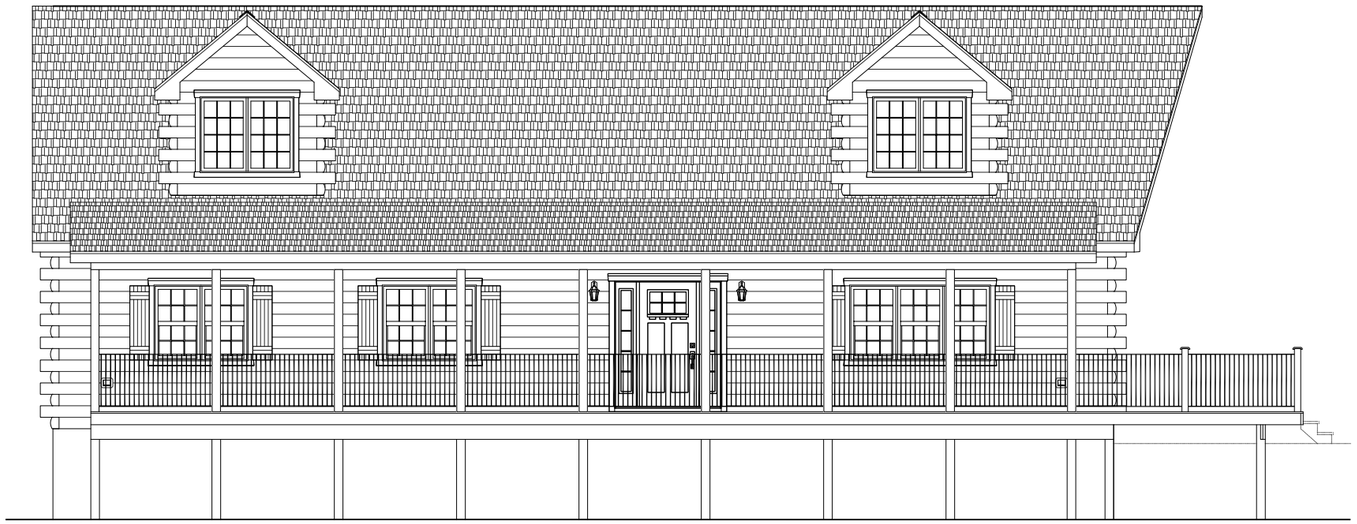
Attachment: NYSDOS Stamped set of pdf Systems drawings
cc: Harold Raup and Renee Moist - PFS Corporation

Project Name:

CC-731 / NORMAN RIDGE DISPLAY / RENTAL

89 NORMAN RIDGE ROAD, VERMONTVILLE, NY 12989 (FRANKLIN COUNTY)

COORDINATES: 44.4338, −74.0515



ATTENTION LOCAL INSPECTION DEPARTMENT
THE FOLLOWING ITEMS HAVE NOT BEEN COMPLETED BY COZY CABINS, HAVE NOT BEEN INSPECTED BY PFS CORPORATION.
CODE COMPLIANCE MUST BE DETERMINED

- PLUMBING CONNECTIONS UNDER THE FLOOR
- CONNECTION & EXTENSION OF VENTS THRU ROOF
- CONNECTIONS FROM MODULAR TO FOUNDATION
- COMPLETION OF THE ENERGY CERTIFICATE (SEE ATTACHED ENERGY CODE CALCULATIONS FOR ADDITIONAL ITEMS TO BE INSPECTED ON-SITE)
- ON-SITE TRUSS CONNECTIONS
- FOUNDATION DESIGN AND CONSTRUCTION
- ALL APPLIANCES AND THEIR INSTALLATION
- ELECTRICAL DISCONNECT & SURGE PROTECTOR
- COMPLETION OF SHINGLE ROOFING
- FLOOR INSULATION
- EXTERIOR STEPS AND LANDINGS
- PORCHES AND DECKS TO BE COMPLETED ON-SITE
- FOUNDATION STAIRWELL WALLS & INSULATION

INSULATION VALUES:
EXTERIOR WALL = FLASH & BATT INSULATION SYSTEM 2" CLOSED CELL FOAM [R12] PLUS R13 UNFACED FIBERGLASS BATTS FOR A TOTAL THERMAL VALUE OF: R25

CEILING = 4" CLOSED CELL FOAM [R25] SPRAYED DIRECTLY TO ROOF SHEATHING WITH R25 UN-FACED FIBERGLASS BATTS BELOW TOTAL THERMAL VALUE: R49 (ENTIRE LENGTH OF ROOF)

FLOOR = R-30 INSULATION W/VAPOR BARRIER (ON-SITE BY OTHERS)

BUILDER: ZOOK CABINS, LLC

S/N: CC02210731

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE CODES REFERENCED IN THE COVER SHEET AND MEET LOCAL ZONING REQUIREMENTS.
2. ALL WORK SHALL CONFORM TO THE DESIGN LOADS REFERENCED IN THE COVER SHEET.
3. ALL WORK IN THE FACTORY SHALL COMPLY WITH THE APPROVED DRAWINGS.
4. ALL SITE WORK SHALL COMPLY WITH ANY APPLICABLE MANUFACTURER APPROVED DRAWINGS OR LOCAL CODES AS REQUIRED.
5. SPECIFIED MATERIALS MAY BE SUBSTITUTED WITH MATERIALS THAT ARE EQUAL OR BETTER.
6. NO STRUCTURAL MEMBER SHALL BE CUT FOR PIPE'S, DUCTS, ETC, UNLESS SPECIFICALLY DETAILED IN THIS PACKAGE.
7. STRUCTURAL STEEL SHALL CONFORM TO THE LATEST SPECIFICATIONS OF THE ASTM AND HAVE A MIN. YIELD OF 36,000 PSI.
8. PLYWOOD SHALL BE GRADE STAMPED BY THE AMERICAN PLYWOOD ASSOCIATION OR EQUAL AND SHALL BE RATED SHEATHING.
9. STRUCTURAL USE LUMBER SHALL BE STAMPED AY AN APPROVED AGENCY AND SHALL CONFORM TO LATEST GRADING RULES FOR THE WESTERN LUMBER ASSOCIATION OR EQUAL
10. STRESS RATED BOARDS SHALL BE STAMPED ACCORDING TO GRADE SPECIES AND VALUE AND SHALL BE MARKED "SRB" 11 FINGER JOINTED
11. INTERIOR STAIRWAY REQUIREMENTS TO COMPLY WITH CODE REFERENCE

BLOWER DOOR TESTING NOTE
BLOWER DOOR TESTING REQUIRED BY CHAPTER 11 OF THE 2020 RCNYS SHALL BE DONE BY SNICKLES, PO BOX 7, BLOOMINGDALE, NY 12913

STATE APPROVAL STAMP
NYS SYSTEM APPROVAL # M003-2020-031
EXPIRATION: 07-02-2022

PFS
New York
Review Only
Date: 03/30/2021
PFS Corporation
Bloomsburg, PA

THE PLANS AND SPECIFICATIONS OF THIS PERMIT PLAN SET ARE DERIVED FROM AND CONSISTENT WITH THE SYSTEMS SET OF PLANS AND SPECIFICATIONS APPROVED AND ON FILE WITH THE DEPARTMENT OF STATE, WHICH WERE APPROVED ON JULY 2, 2020 UNDER SYSTEMS NUMBER M003-2020-031

CLASSIFICATION

FOUNDATION:	_X_BASEMENT ____CRAWL
USE GROUP:	DETACHED SINGLE FAMILY DWELLING
CONSTRUCTION TYPE:	VB WOOD FRAMED UNPROTECTED
LOCATION:	NOT LESS THAN 60" TO PROPERTY LINE
FINISHED FLOOR HEIGHT ABOVE GRADE:	< 6'
STORIES ABOVE GRADE:	1 STORY w/UNFINISHED 2ND STORY
LOCATED IN FLOOD PLAIN:	NO
SPRINKLER REQUIRED:	NO
CLIMATE ZONE	6

DESIGN LOADS

ROOF LOAD:	96 PSF GROUND SNOW LOAD
ELEVATION:	1,800 FT. ABOVE MSL
ROOF DEAD LOAD:	10 PSF
CEILING DEAD LOAD:	10 PSF
CEILING LIVE LOAD:	20 PSF (STORAGE) / 40 PSF (HABITABLE)
FLOOR LIVE LOAD:	40 PSF
FLOOR DEAD LOAD:	10 PSF
WIND SPEED (V-ULT):	115 MPH (3 SEC GUST)
EXPOSURE:	C
SEISMIC CATEGORY:	C
SITE CLASS:	D
1ST FLOOR AREA:	1,719 SQ. FT.
2ND FLOOR AREA:	704 SQ. FT. (UNFINISHED)

APPLICABLE CODES

2020 NEW YORK STATE UNIFORM FIRE PREVENTION CODE (WHICH INCORPORATES BY REFERENCE):

RESIDENTIAL CODE:	2020 RESIDENTIAL CODE OF NYS
ENERGY CODE:	2020 ENERGY CONSERVATION CONSTR. CODE OF NYS
ELECTRICAL CODE:	2017 NATIONAL ELECTRICAL CODE

DISCLAIMER: These drawings have been prepared and reviewed in accordance with all applicable codes. This drawing set is not intended to be all inclusive, nor does this set detail every code required aspect of this building. The building contractor is responsible for compliance with all applicable codes under the supervision of the local authority having jurisdiction whether detailed in this set or not. Cozy Cabins LLC, its employees and affiliates assume no liability for errors and omissions from this set of drawings as may be permitted by law.

DRAWING INDEX

SHEET#	DESCRIPTION	REV. DATE	LAYER CODE
0	COVER SHEET	.	.
1	FOUNDATION	.	FD
1A	FOUNDATION DETAILS	.	.
2	FLOOR PLAN -1ST STORY	.	1Q
2A	FLOOR PLAN -2ND STORY	.	2Q
3	ELECTRICAL PLAN -1ST STORY	.	1E
3A	ELECTRICAL PLAN -2ND STORY	.	2E
4	FRONT & REAR ELEVATIONS	.	1EV
4A	LEFT & RIGHT SIDE ELEVATIONS	.	2EV
5	CROSS SECTION	.	1SE
5A	CROSS SECTION-BUMPOUT	.	2SE
5B	CROSS SECTION - A-FRAME DORMERS	.	2SE
5C	CROSS SECTION - SHED DORMERS/DECK	.	5SE
5D	PROW ROOF DETAILS	.	5SE
5E	RAFTER DETAILS	.	3SE
5F	VAULT TRUSS CONNECTIONS	.	.
5G	2-STORY TRUSS CONNECTIONS	.	.
5H	BEAM & COLUMN CONNECTIONS	.	.
5I	BEAM & COLUMN CONNECTIONS	.	.
5J	BEAM & COLUMN CONNECTIONS	.	.
5K	LVL CONNECTION DETAILS	.	7SE
6	PLUMBING DWV PLAN	.	1PU
6A	PLUMBING SUPPLY PLAN	.	1PL
6B	PLUMBING NOTES	.	PLM
7-9	RESERVED	.	.
10	WINDOW & DOOR SCHEDULE	.	.
11	BRACED WALL PLAN - 1ST STORY	.	1SH
11A	BRACED WALL PLAN - 2ND STORY	.	2SH
11B	PORTAL FRAME DETAILS	.	.
11C	BRACED WALL DETAILS	.	.
12	PORCH CONNECTION DETAILS	.	.
12A	DECK CONNECTION DETAILS	.	.

ADDITIONAL PAGES		
1	SITE LOCATION	
1-11	ENERGY CHECK	
1	ELECTRICAL LOAD CALCULATIONS	
1-11	TRUSS CERTIFICATION & NOTIFICATION FORM	
1	WHOLE HOUSE VENTILATION CALCULATION	
	TOTAL PAGES	56

P.E. SEAL:

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD.
NEW HOLLAND, PA. 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID E. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glencoinc.com

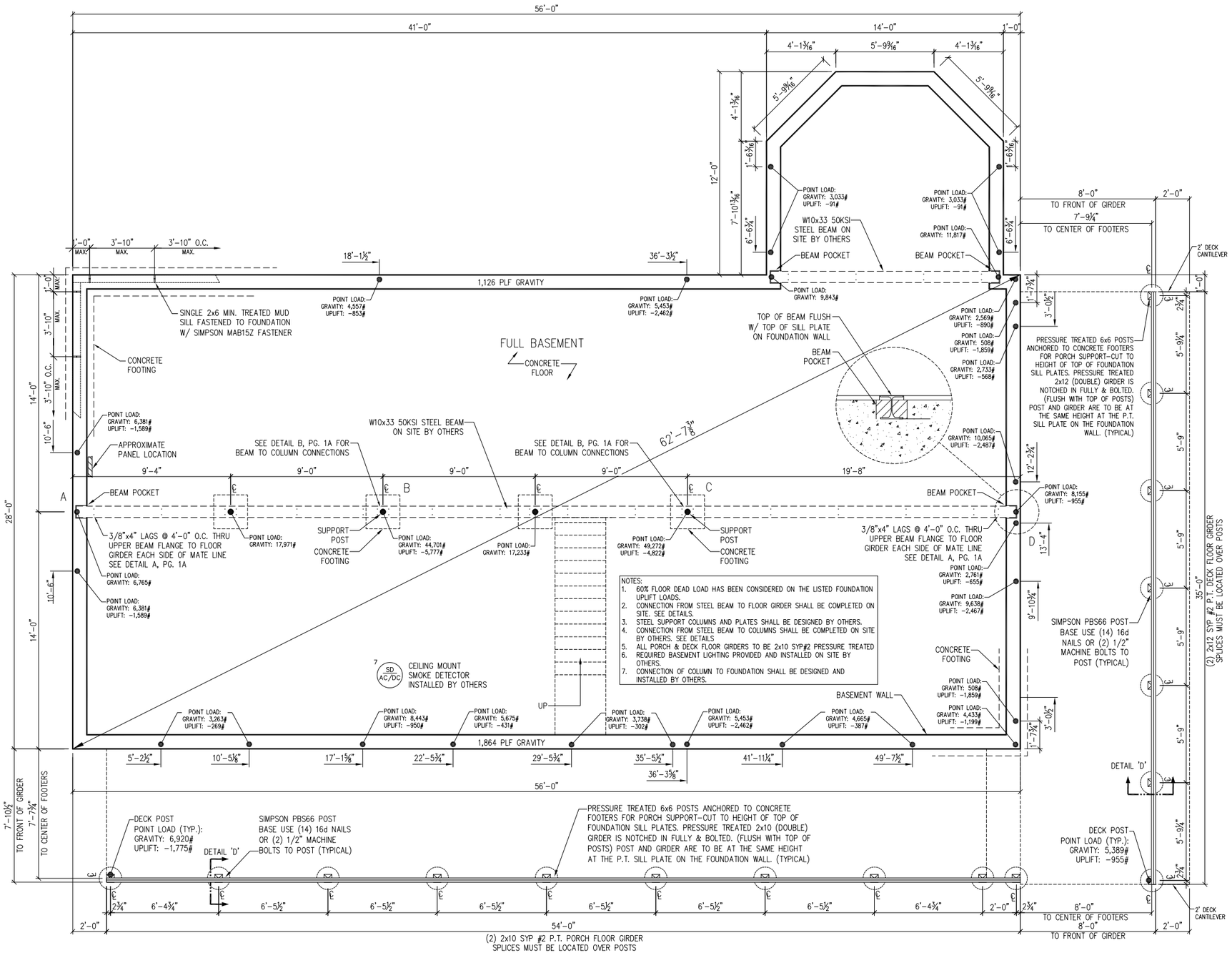
CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD, RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

DRAWN BY: NKG
DATE: 02/02/21
SCALE: NTS
CHECKED BY: LDZ

FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: COVER SHEET
SHEET: 0



THIS FOUNDATION SHALL BE DESIGNED BY A LICENSED PROFESSIONAL WITH KNOWLEDGE OF LOCAL SOIL CONDITIONS. THIS FOUNDATION PLAN IS MEANT ONLY TO COMMUNICATE THE DIMENSIONAL AND LOADING INFORMATION TO THE DESIGN PROFESSIONAL SO THE FOUNDATION DESIGN IS COORDINATED WITH THE REQUIREMENTS OF THE MODULAR BUILDING. FOUNDATION WALLS, FOOTINGS, COLUMNS, PIERS, AND SLAB TO BE DESIGNED BY OTHERS TO MEET STATE AND/OR LOCAL CODES USING EXISTING SOIL ANALYSIS. MANUFACTURER ASSUMES NO RESPONSIBILITY FOR ERRORS IN THE CONSTRUCTION OF THE FOUNDATION. ANY AND ALL DIMENSIONS ARE TO BE CHECKED AND VERIFIED AGAINST THE FLOOR PLAN BY BUILDER/DEALER PRIOR TO FOUNDATION CONSTRUCTION. THE BUILDER/DEALER MUST CONTACT THE MANUFACTURER WITH ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION. MANUFACTURER WILL NOT ASSUME ANY RESPONSIBILITY IF BUILDER/DEALER/OWNER EXCEEDS MAXIMUM SPACING OF SUPPORTS AS SHOWN ON THIS DRAWING.

FOUNDATION NOTES:

1. BUILDER TO LOCATE AND INSTALL BASEMENT WINDOWS OR VENT. 1/150 FLOOR AREA REQUIRED. VENTING MAY BE REDUCED TO 1/1500 FLOOR AREA WHEN A CLASS I VAPOR BARRIER IS INSTALLED. VENT OPENINGS SHALL BE LOCATED WITHIN 3' OR EACH CORNER TO PROVIDE CROSS VENTILATION.
2. ALL OPENINGS AND CONC. JOINTS TO BE COMPLETELY CAULKED.
3. R402.2 CONCRETE. ALL CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH AS SHOWN ON TABLE R402.2
4. ALL EXHAUST SYSTEMS TO TERMINATE TO EXTERIOR WITH BACK DRAFT BAFFLE

NOTES:

1. ALL EXPOSED LUMBER TO BE OF NATURALLY DURABLE WOOD OR WOOD THAT IS PRESERVATIVE-TREATED IN ACCORDANCE WITH AWPA U1. PRESERVATIVES SHALL BE LISTED IN SECTION 4 OF AWPA U1.
2. ALL LUMBER THAT IS IN CONTACT WITH CONCRETE OR THE GROUND MUST BE APPROVED PRESSURE-PRESERVATIVE-TREATED WOOD SUITABLE FOR GROUND CONTACT USE.
3. ALL SUPPORT COLUMNS SHALL BE APPROVED WOOD OF NATURAL DECAY RESISTANCE OR APPROVED PRESSURE-PRESERVATIVE-TREATED WOOD.
4. ALL FIELD CUT ENDS, NOTCHES, DRILLED HOLES OF PRESERVATIVE-TREATED WOOD SHALL BE TREATED IN THE FIELD IN ACCORDANCE WITH AWPA M4.
5. ALL NAILS USED IN THE CONSTRUCTION OF PORCHES AND DECKS SHALL BE THREADED AND MEET THE REQUIREMENTS OF ASTM F 1667. THREADED NAILS AS STATED IN THIS DOCUMENT INCLUDE HELICAL (SPIRAL) AND ANNULAR (RINK SHANK) NAILS. WOOD SCREWS SHALL MEET THE REQUIREMENTS OF ANSI/ASME B18.6.1. BOLTS AND LAG SCREWS SHALL MEET THE REQUIREMENTS OF ANSI/ASME B18.2.1.
6. FLASHING SHALL BE CORROSION-RESISTANT METAL OF A MINIMUM NOMINAL THICKNESS OF 0.019 INCHES OR AN APPROVED NON-METALLIC MATERIAL.
   - 6.1. ALUMINUM SHOULD NOT BE USED IN DIRECT CONTACT WITH LUMBER TREATED WITH PRESERVATIVES THAT CONTAIN COPPER SUCH AS ACQ, COPPER AZOLE, OR ACZA.
7. ALL SCREWS, BOLTS, NAILS, NUTS AND WASHERS FOR USE WITH PRESERVATIVE TREATED WOOD SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE, OR COPPER. FASTENERS SHALL BE HOT DIPPED GALVANIZED AND SHALL MEET THE REQUIREMENTS OF ASTM A 153, CLASS D FOR FASTENERS 3/8" DIAMETER AND SMALLER, OR CLASS C FOR FASTENERS WITH DIAMETERS OVER 3/8".
8. FASTENERS OTHER THAN NAILS AND TIMBER RIVETS SHALL BE PERMITTED TO BE OF MECHANICALLY DEPOSITED ZINC-COATED STEEL WITH COATING WEIGHTS IN ACCORDANCE WITH ASTM B 695, CLASS 55, MINIMUM.
9. ALL HARDWARE (JOIST HANGERS, CAST-IN-PLACE POST ANCHORS, ETC.) THAT IS EXPOSED TO WEATHER OR IN CONTACT WITH GROUND, CONCRETE OR PRESSURE TREATED LUMBER SHALL BE GALVANIZED OR SHALL BE STAINLESS STEEL. HARDWARE TO BE HOT DIPPED GALVANIZED PRIOR TO FABRICATION SHALL MEET ASTM A 653, G-185 COATING. HARDWARE TO BE HOT DIPPED GALVANIZED AFTER FABRICATION SHALL MEET ASTM A123.
10. FASTENERS AND CONNECTORS EXPOSED TO SALT WATER OR LOCATED WITHIN 300 FEET OF A SALT WATER SHORELINE SHALL BE STAINLESS STEEL GRADE 304 OR 316.
11. ALL OTHER COATED OR NON-FERROUS FASTENERS OR HARDWARE SHALL BE AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
12. HOT-DIPPED ZINC-COATED GALVANIZED STEEL CONNECTORS ARE REQUIRED AT ANY CONNECTIONS INTO CONCRETE
13. FASTENERS AND CONNECTORS INSTALLED IN TREATED LUMBER OTHER THAN MATERIAL WITH A CHEMICAL RETENTION GREATER THAN AWPA OR UC4A SHALL BE STAINLESS STEEL GRADE 304 OR 316.

P.E. SEAL:

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID R. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glecoinc.com

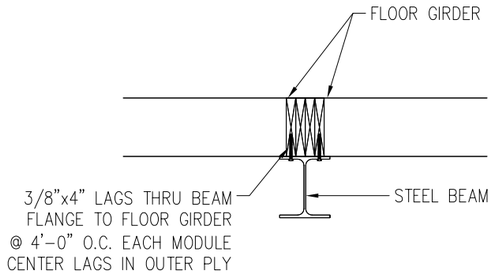
CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY/RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD RT 372
ATGLEN, PA 19310

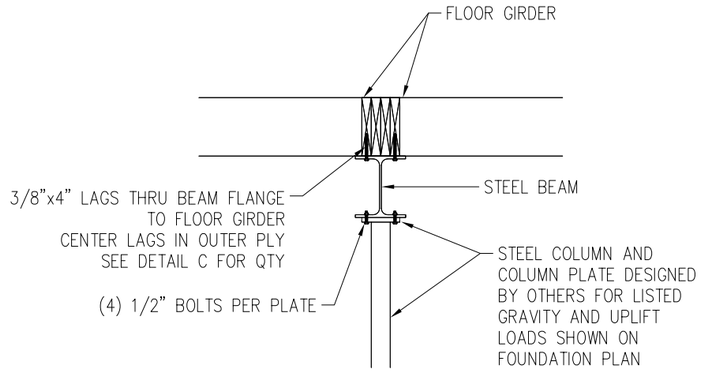
REV#	DATE	REVISIONS	BY

DRAWN BY: NKG
DATE: 02/02/21
SCALE: 5/32"=1'-0"
CHECKED BY: LDZ

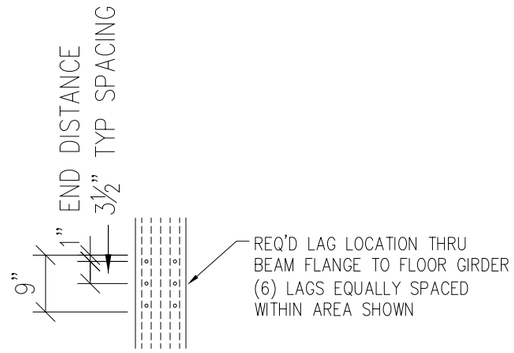
FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: FOUNDATION
SHEET: 1



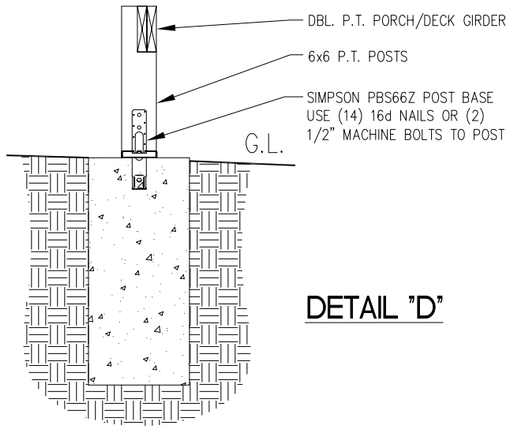
DETAIL A
STEEL BEAM CONNECTION
SECTION VIEW



DETAIL B
STEEL BEAM W/COLUMN CONNECTION
SECTION VIEW



DETAIL C
BEAM CONNECTION
TOP VIEW
(7,402# MAX UPLIFT CAPACITY)



DETAIL "D"

P.E. SEAL:

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID B. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glencoinc.com

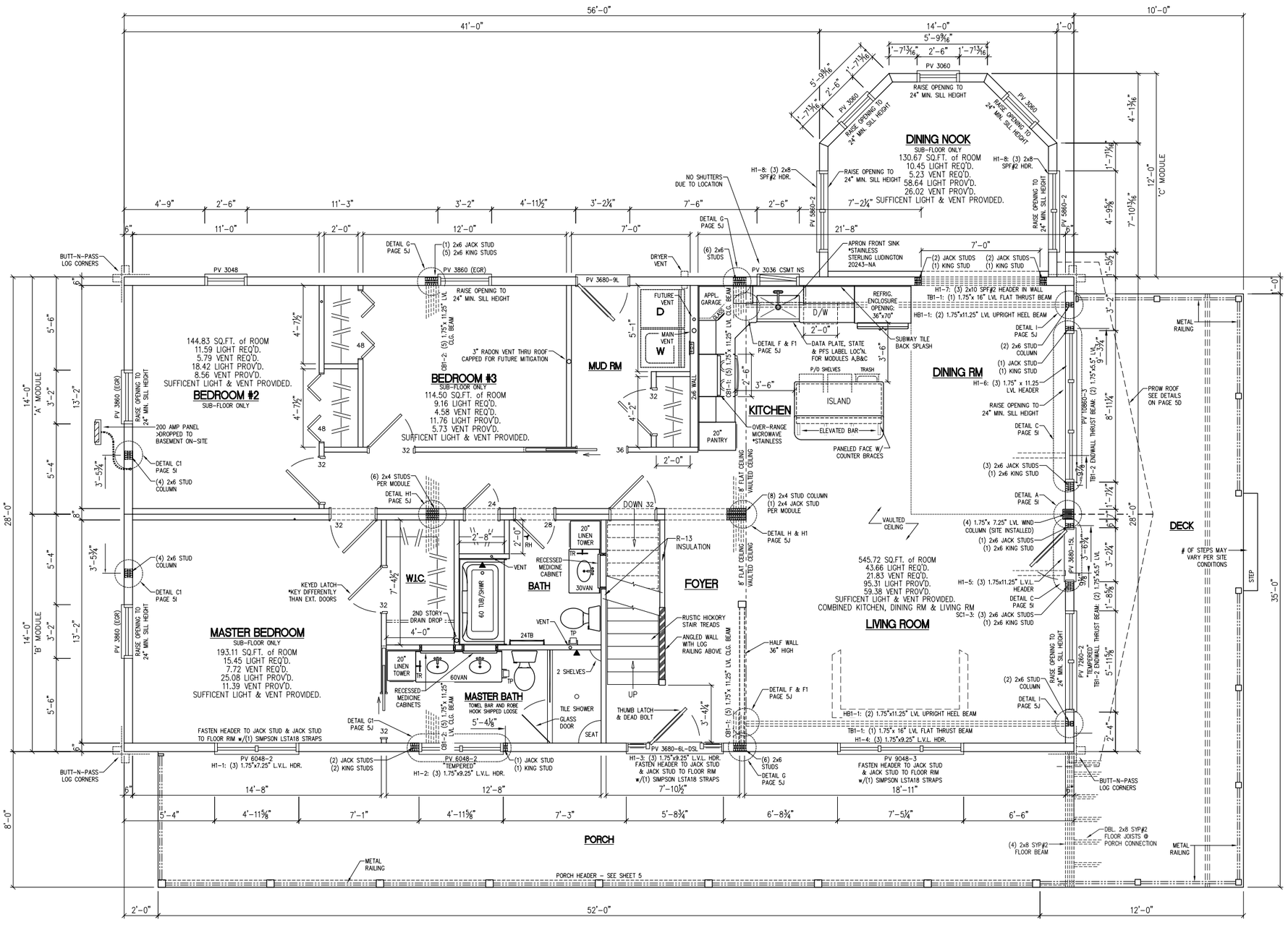
CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD, RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

DRAWN BY: NKG
DATE: 02/02/21
SCALE: 1/2"=1'-0"
CHECKED BY: LDZ

FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: FOUNDATION DETAILS
SHEET: 1A



- ** 2x10 SPF#2 1ST STORY FLOOR JOISTS @ 16" O.C.
- ** 2x6 EXTERIOR WALLS @ 16" O.C.
- ** 2x4 MATE WALLS @ 16" O.C.
- ** (3) 2x6 SPF#2 HEADERS OVER EXT BEARING WALL OPENINGS (UNLESS INDICATED OTHERWISE)
- ** (2) 2x6 SPF#2 HEADERS OVER MATE WALL OPENINGS (UNLESS INDICATED OTHERWISE)
- ** WINDOW AND DOOR TESTING & LABELING IS TO BE DONE PRIOR TO INSTALLATION & PASS PER CODE REQUIREMENTS LISTED IN SECTION R609.3
- ** WINDOW AND DOORS ARE TO BE ANCHORED PER CODE SECTION R609.7 WINDOW & DOOR MULLION TESTING SHALL BE COMPLETED PER R609.8
- ** WATER HEATER TO BE SUPPLIED AND INSTALLED ON-SITE BY OTHERS

NOTES:

– INSULATE BASEMENT STAIRWELL WALLS

– WEATHER-STRIPPING & DOOR SWEEP SHALL BE INSTALLED AT STAIRWELL DOOR IF BASEMENT IS UNCONDITIONED (IN FIELD BY OTHERS)

THIS HOUSE HAS BEEN EXTRACTED FROM THE APPROVED SYSTEMS PLAN ON FILE WITH THE STATE.

ALL WINDOW OPENINGS WHICH ARE 72" ABOVE FINISHED GRADE, WITH THE BOTTOM OF THE CLEAR OPENING LESS THAN 24" ABOVE FINISHED FLOOR, SHALL BE PROVIDED WITH FIELD SUPPLIED AND INSTALLED WINDOW GUARDS PER R312.2

P.E. SEAL:

STATE OF NEW YORK · DAVID E BILLINGSLEY · LICENSED PROFESSIONAL ENGINEER · 086250

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID R. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@jlmcoinc.com

CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY/RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

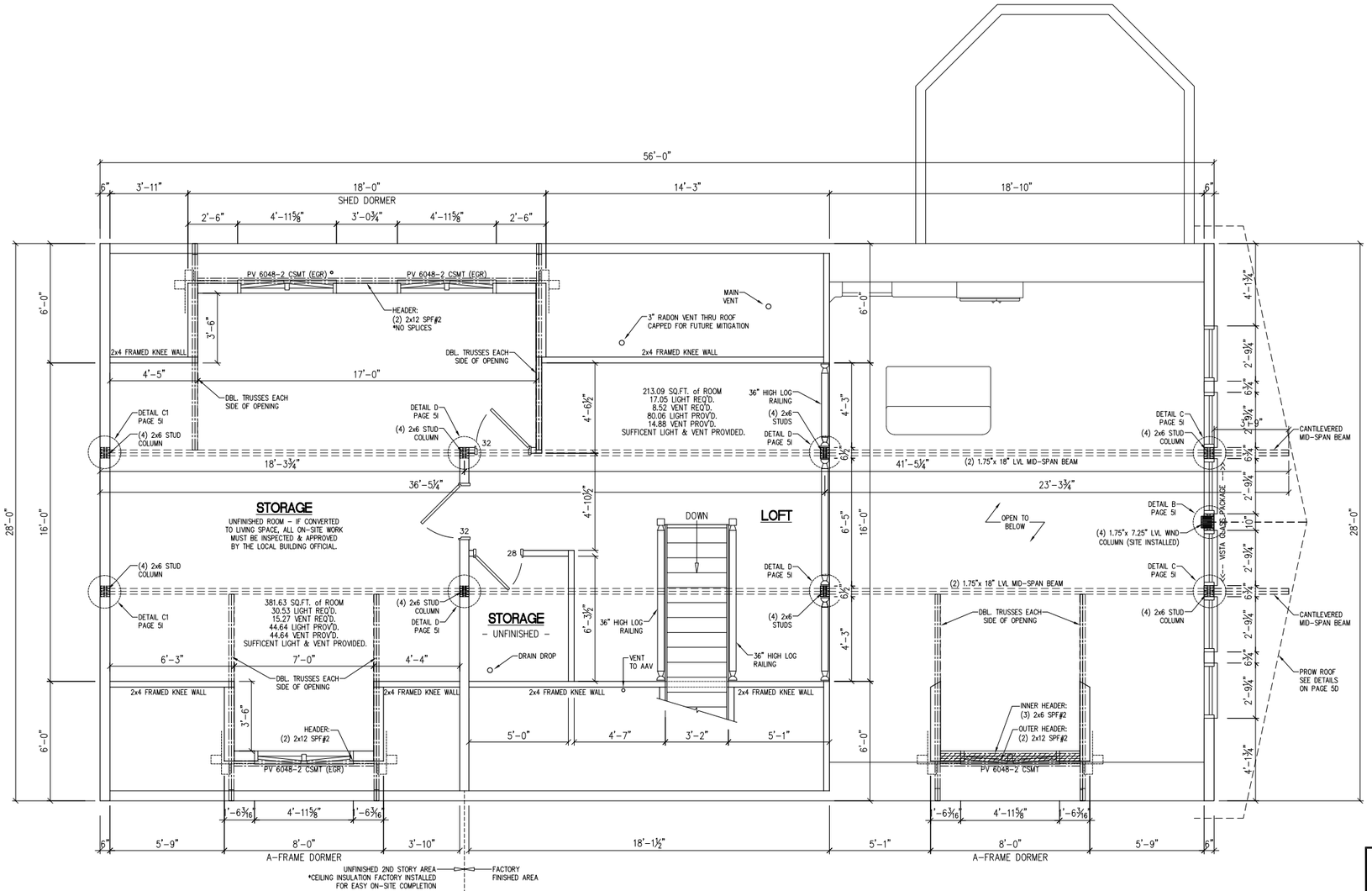
BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

DRAWN BY: NKG | DATE: 02/02/21 | SCALE: 5/32"=1'-0" | CHECKED BY: LDZ

FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: 1ST STORY FLOOR PLAN
SHEET: 2

** 2x12 SPF#2 2ND STORY FLOOR JOISTS @ 16" O.C.
** 10/12 ENGINEERED TRUSS ROOF SYSTEM @ 16" O.C.



COZY CABINS LLC
455 FARMERSVILLE RD.
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID R. BILLINGSLEY, P.E.
NY. LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@jlencoinc.com

CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY/RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD. RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

DRAWN BY: NKG
DATE: 02/02/21
SCALE: 5/32"=1'-0"
CHECKED BY: LDZ

P.E. SEAL:

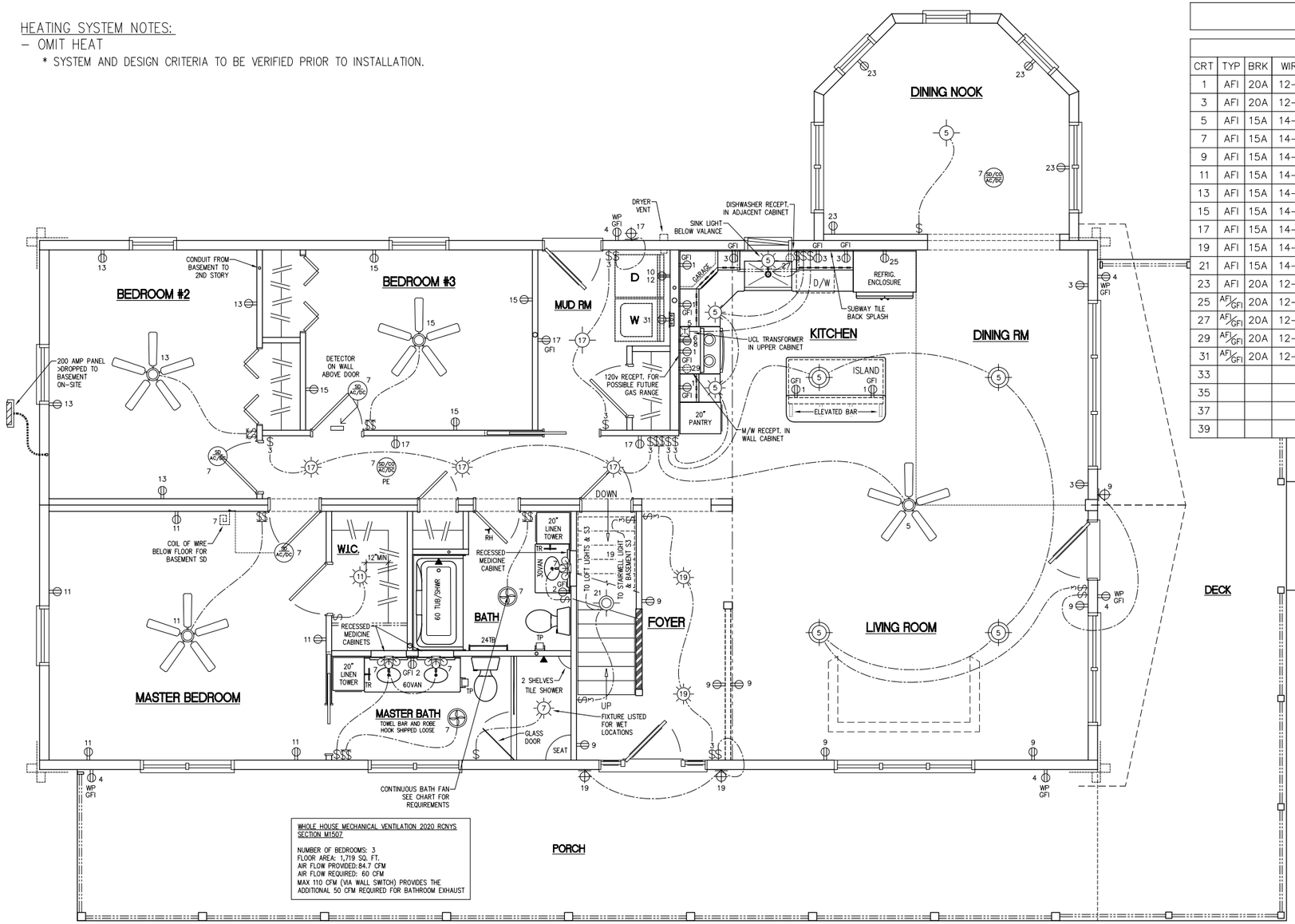
STATE OF NEW YORK
DAVID E BILLINGSLEY
LICENSED PROFESSIONAL ENGINEER
086250

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: 2ND STORY FLOOR PLAN
SHEET: 2A

HEATING SYSTEM NOTES:
- OMIT HEAT
  * SYSTEM AND DESIGN CRITERIA TO BE VERIFIED PRIOR TO INSTALLATION.



WHOLE HOUSE MECHANICAL VENTILATION 2020 RCNYS SECTION M1507

NUMBER OF BEDROOMS: 3
FLOOR AREA: 1,719 SQ. FT.
AIR FLOW PROVIDED: 84.7 CFM
AIR FLOW REQUIRED: 60 CFM
MAX 110 CFM (VIA WALL SWITCH) PROVIDES THE ADDITIONAL 50 CFM REQUIRED FOR BATHROOM EXHAUST

200 AMP CIRCUIT SCHEDULE

*WIRE WITH GROUND ALL CIRCUITS

CRT	TYP	BRK	WIRE	LOCATION	VOLT	CRT	TYP	BRK	WIRE	LOCATION	VOLT
1	AFI	20A	12-2	APPL.-KITCHEN	120	2	–	20A	12-2	BATH RECPT.	120
3	AFI	20A	12-2	APPL.-KIT/DIN	120	4	–	20A	12-2	EXTERIOR RECPT.	120
5	AFI	15A	14-2	GENERAL LIGHTS	120	6	–	40A	8-3	ELECTRIC RANGE	240
7	AFI	15A	14-2	LIGHTS & SD	120	8					
9	AFI	15A	14-2	FOYER/LIVING ROOM	120	10	–	30A	10-3	ELECTRIC DRYER	240
11	AFI	15A	14-2	MASTER BEDROOM	120	12					
13	AFI	15A	14-2	BEDROOM #2	120	14					
15	AFI	15A	14-2	BEDROOM #3	120	16					
17	AFI	15A	14-2	MUD ROOM/HALL	120	18					
19	AFI	15A	14-2	FRNT & BSMT LIGHTS	120	20					
21	AFI	15A	14-2	LOFT	120	22					
23	AFI	20A	12-2	DINING NOOK	120	24					
25	AFI/GFI	20A	12-2	REFRIGERATOR	120	26					
27	AFI/GFI	20A	12-2	DISHWASHER	120	28					
29	AFI/GFI	20A	12-2	MICROWAVE	120	30					
31	AFI/GFI	20A	12-2	WASHER	120	32					
33						34					
35						36					
37						38					
39						40					

ELECTRIC SYMBOLS

- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE
- WATERPROOF RECEP. w/GFI
- GROUND-FAULT INTER.
- 220 VOLT RECEPTACLE
- TOP HOT & BOT. SWITCHED
- SINGLE POLE SWITCH
- THREE WAY SWITCH
- CEILING LIGHT
- THIN LED CEILING LIGHT
- MINI PENDANT LIGHT
- CATHEDRAL PENDANT LIGHT
- RECESSED LIGHT
- EXHAUST FAN/LIGHT
- INT. OR EXT. WALL LIGHT
- CEILING FAN / LIGHT
- FLUORESCENT LIGHT
- RANGE EXHAUST HOOD
- SMOKE DETECTOR
- CO/SMOKE DETECTOR
- JUNCTION BOX
- AMP CONNECTS
- SPECIAL APPLIANCE
- FLOOD LIGHT
- THERMOSTAT
- PHONE JACK
- TV JACK
- VANITY LIGHT
- PULL-CHAIN WALL LIGHT

2017 NEC ELECTRICAL NOTES:
1. AN ARC-FAULT BREAKER IS REQUIRED FOR ALL 15 AND 20 AMP CIRCUITS SUPPLYING OUTLETS INSTALLED IN THE DWELLING UNIT EXCEPT THOSE IN BATHROOMS, UNFINISHED BASEMENTS, GARAGES, OUTDOORS, OR OTHER SIMILAR AREAS. (NEC 210.12B)
2. A GFCI BREAKER OR RECEPTACLE IS REQUIRED (BUT NOT LIMITED TO) ALL CIRCUITS SERVING KITCHEN COUNTERTOP RECEPTACLES, BATHROOMS, LAUNDRIES, AND DISHWASHERS. (NEC 210.8)
3. A GFCI BREAKER OR RECEPTACLE IS REQUIRED (BUT NOT LIMITED TO) ALL CIRCUITS WITHIN 6' OF ANY SINK (NEC 210.8)
4. AN EXTERIOR WEATHER PROOF RECEPTACLE IS REQUIRED TO BE LOCATED AT BOTH THE FRONT & REAR (AT GRADE LEVEL) OF ALL DWELLING UNITS. (NEC 210.52) AN EXTERIOR WEATHER PROOF RECEPTACLE IS REQUIRED TO BE LOCATED AT ALL PORCHES, STOOPS, PATIOS, AND DECKS AND SHALL BE ACCESSIBLE FROM GRADE LEVEL.
5. ALL RECEPTACLES IN DWELLING UNITS ARE TO BE TAMPER RESISTANT.
6. A NEUTRAL CONDUCTOR SHALL BE PROVIDED IN EVERY SWITCH BOX
7. ALL LIGHTING CEILING OUTLETS MUST BE RATED FOR 50#
8. WATER HEATER ON-SITE BY OTHERS

P.E. SEAL:

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID E. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glencoinc.com

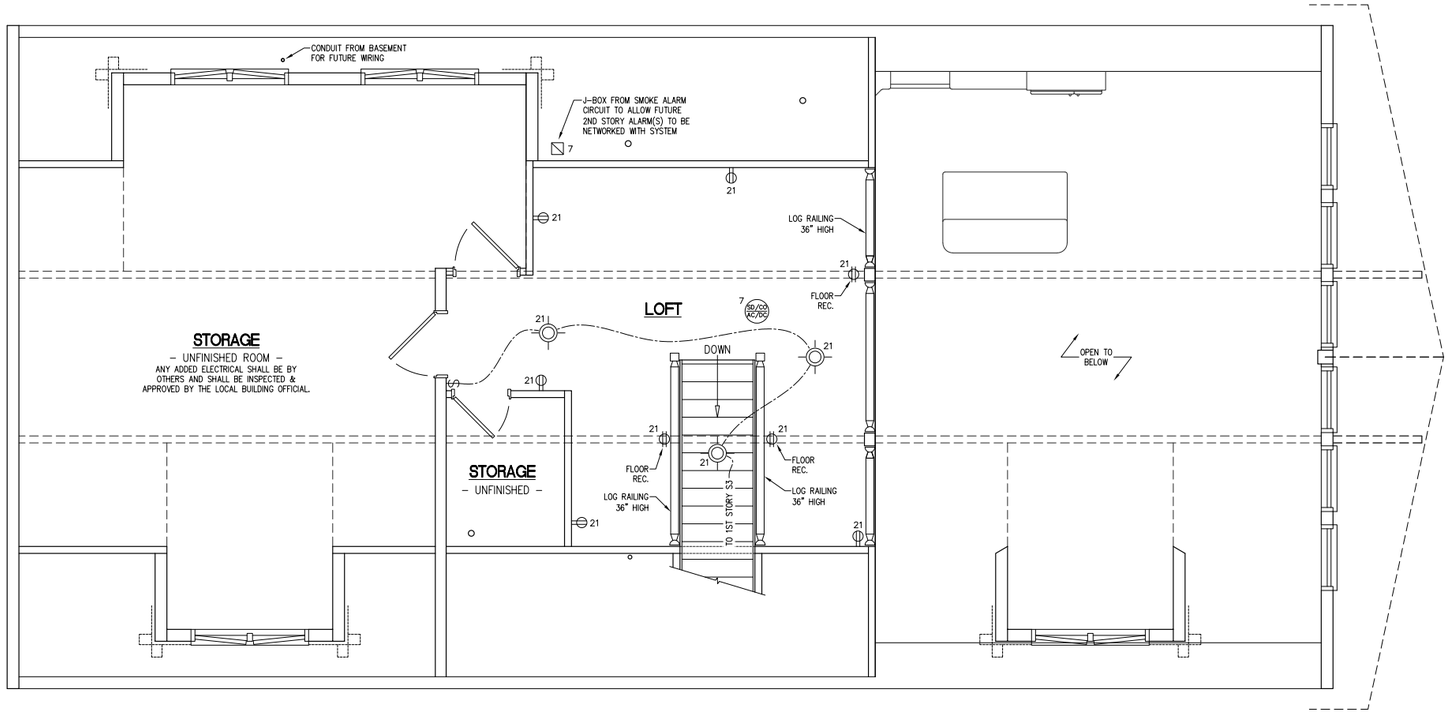
CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD. RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

DRAWN BY: NKG
DATE: 02/02/21
SCALE: 5/32"=1'-0"
CHECKED BY: LDZ

FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: 1ST STORY ELECTRICAL PLAN
SHEET: 3



ELECTRIC SYMBOLS

- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE
- WATERPROOF RECEP. w/GFI
- GROUND–FAULT INTER.
- 220 VOLT RECEPTACLE
- TOP HOT & BOT. SWITCHED
- SINGLE POLE SWITCH
- THREE WAY SWITCH
- CEILING LIGHT
- THIN LED CEILING LIGHT
- MINI PENDANT LIGHT
- CATHEDRAL PENDANT LIGHT
- RECESSED LIGHT
- EXHAUST FAN/LIGHT
- INT. OR EXT. WALL LIGHT
- CEILING FAN / LIGHT
- FLUORESCENT LIGHT
- RANGE EXHAUST HOOD
- SMOKE DETECTOR
- CO/SMOKE DETECTOR
- JUNCTION BOX
- AMP CONNECTS
- SPECIAL APPLIANCE
- FLOOD LIGHT
- THERMOSTAT
- PHONE JACK
- TV JACK
- VANITY LIGHT
- PULL–CHAIN WALL LIGHT

P.E. SEAL:

STATE OF NEW YORK · DAVID E BILLINGSLEY · LICENSED PROFESSIONAL ENGINEER · 086250

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID E. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glencoinc.com

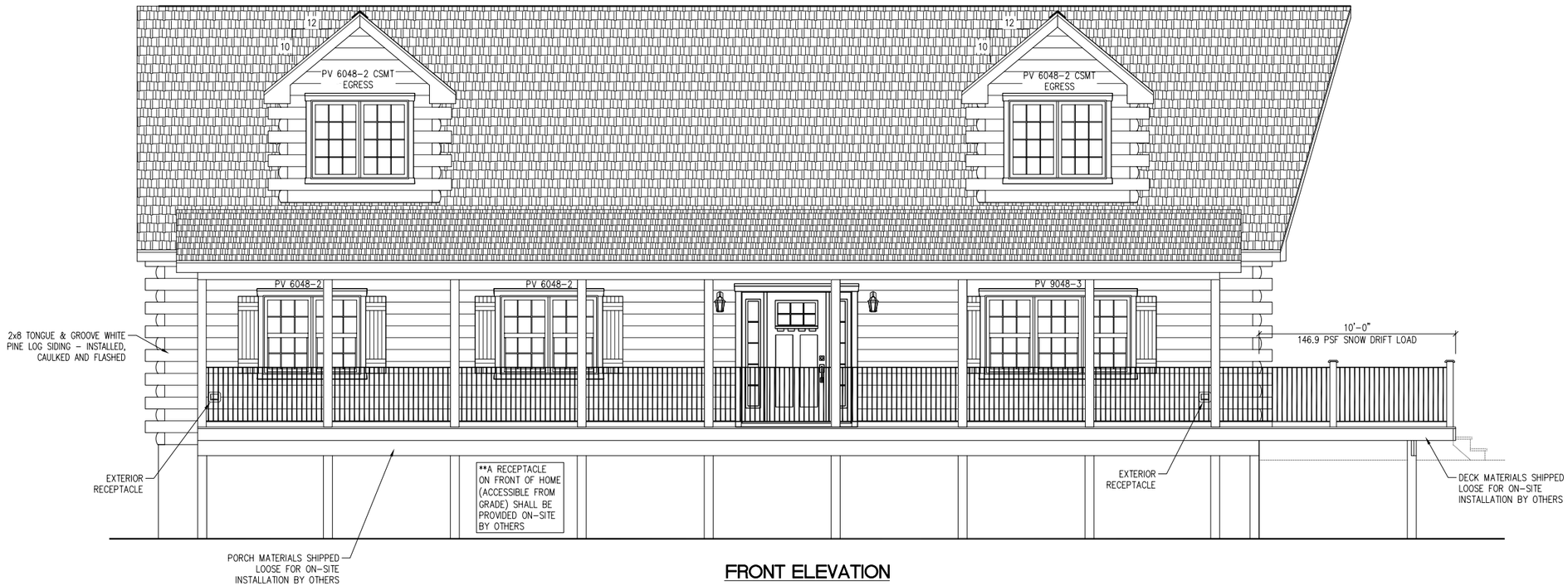
CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD, RT 372
ATGLEN, PA 19310

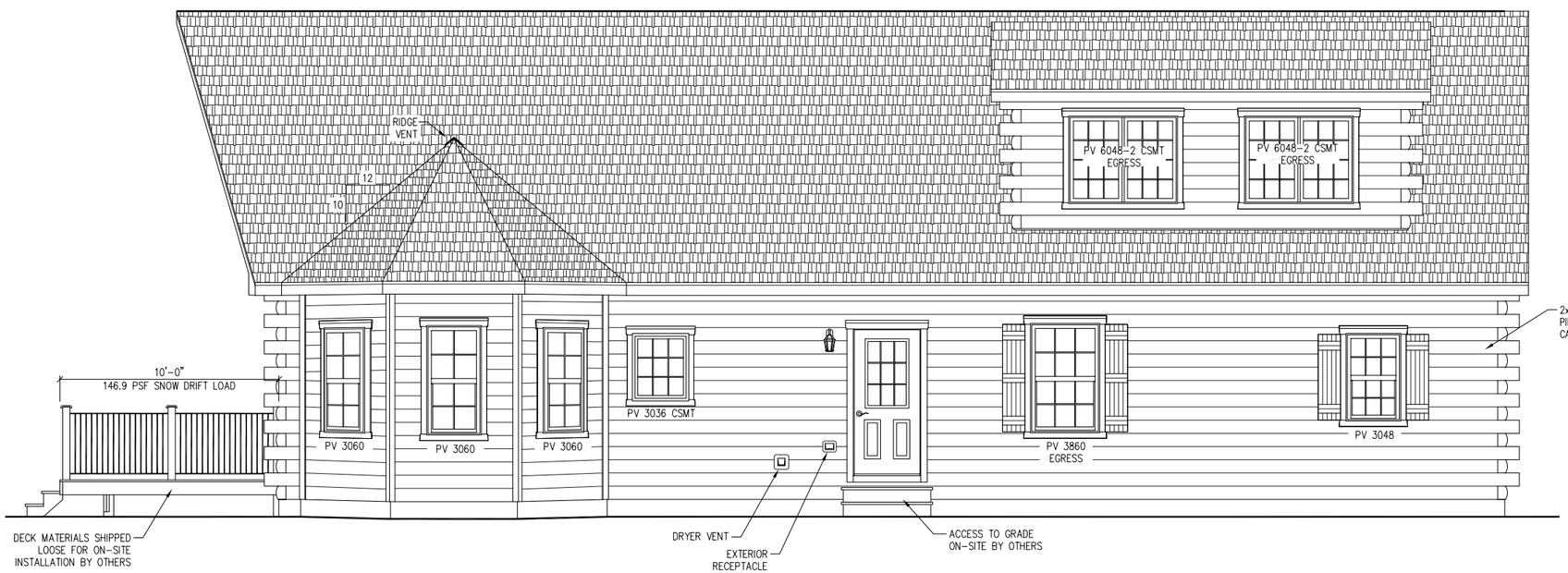
REV#	DATE	REVISIONS	BY

DRAWN BY: NKG
DATE: 02/02/21
SCALE: 5/32"=1'-0"
CHECKED BY: LDZ

FILE: CC–731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: 2ND STORY ELECTRICAL PLAN
SHEET: 3A



FRONT ELEVATION



REAR ELEVATION

NOTES:

1. ELEVATION DRAWINGS ARE APPROXIMATE.
2. CORROSION RESISTANT FLASHING AT TOP AND SIDE OF DOORS, WINDOWS, AND AT ROOF PENETRATIONS.
3. GUTTERS, LEADERS, AND SPLASH BLOCKS FURNISHED AND INSTALLED BY OTHERS ON SITE.

COZY CABINS LLC
455 FARMERSVILLE RD.
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID R. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@jlmcoinc.com

CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

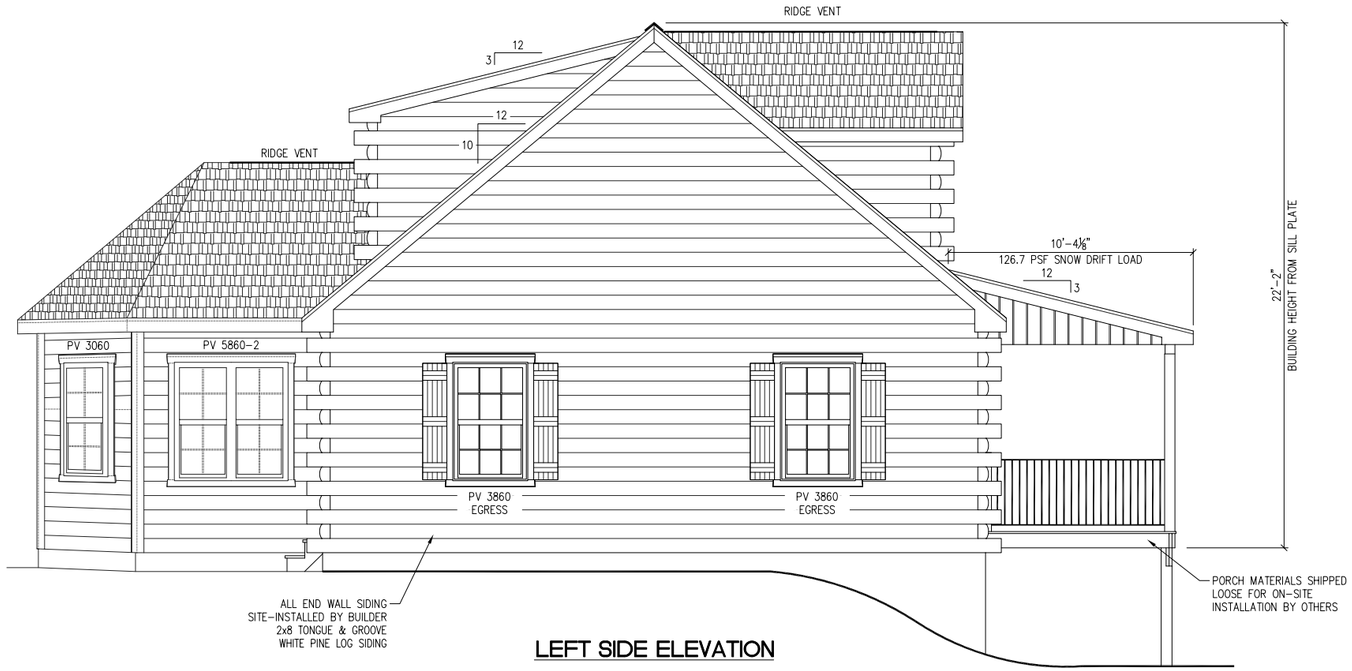
DRAWN BY: NKG
DATE: 02/02/21
SCALE: 5/32"=1'-0"
CHECKED BY: LDZ

P.E. SEAL:

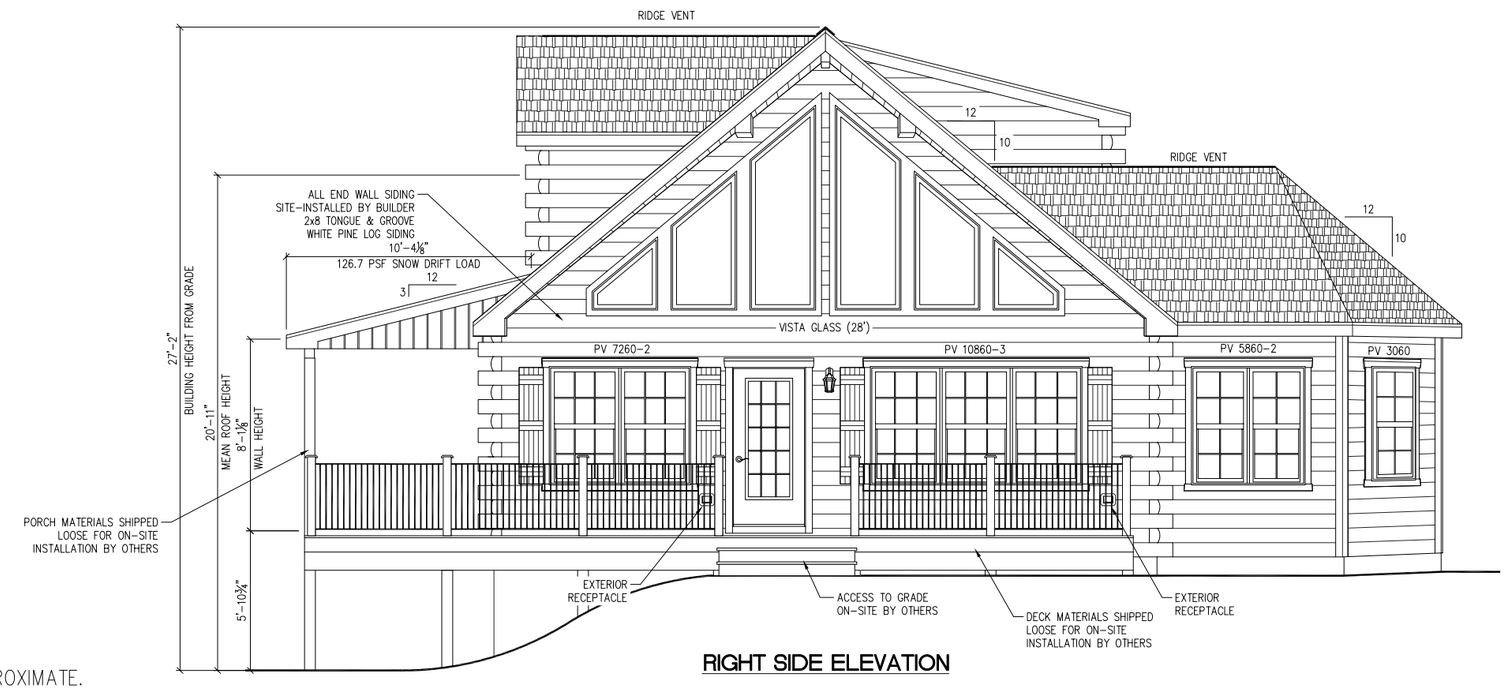
03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: FRONT & REAR ELEVATIONS
SHEET: 4



LEFT SIDE ELEVATION



RIGHT SIDE ELEVATION

NOTES:
1. ELEVATION DRAWINGS ARE APPROXIMATE.
2. CORROSION RESISTANT FLASHING AT TOP AND SIDE OF DOORS, WINDOWS, AND AT ROOF PENETRATIONS.
3. GUTTERS, LEADERS, AND SPLASH BLOCKS FURNISHED AND INSTALLED BY OTHERS ON SITE.

P.E. SEAL:

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD.
NEW HOLLAND, PA. 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID R. BILLINGSLEY, P.E.
NY. LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glencoinc.com

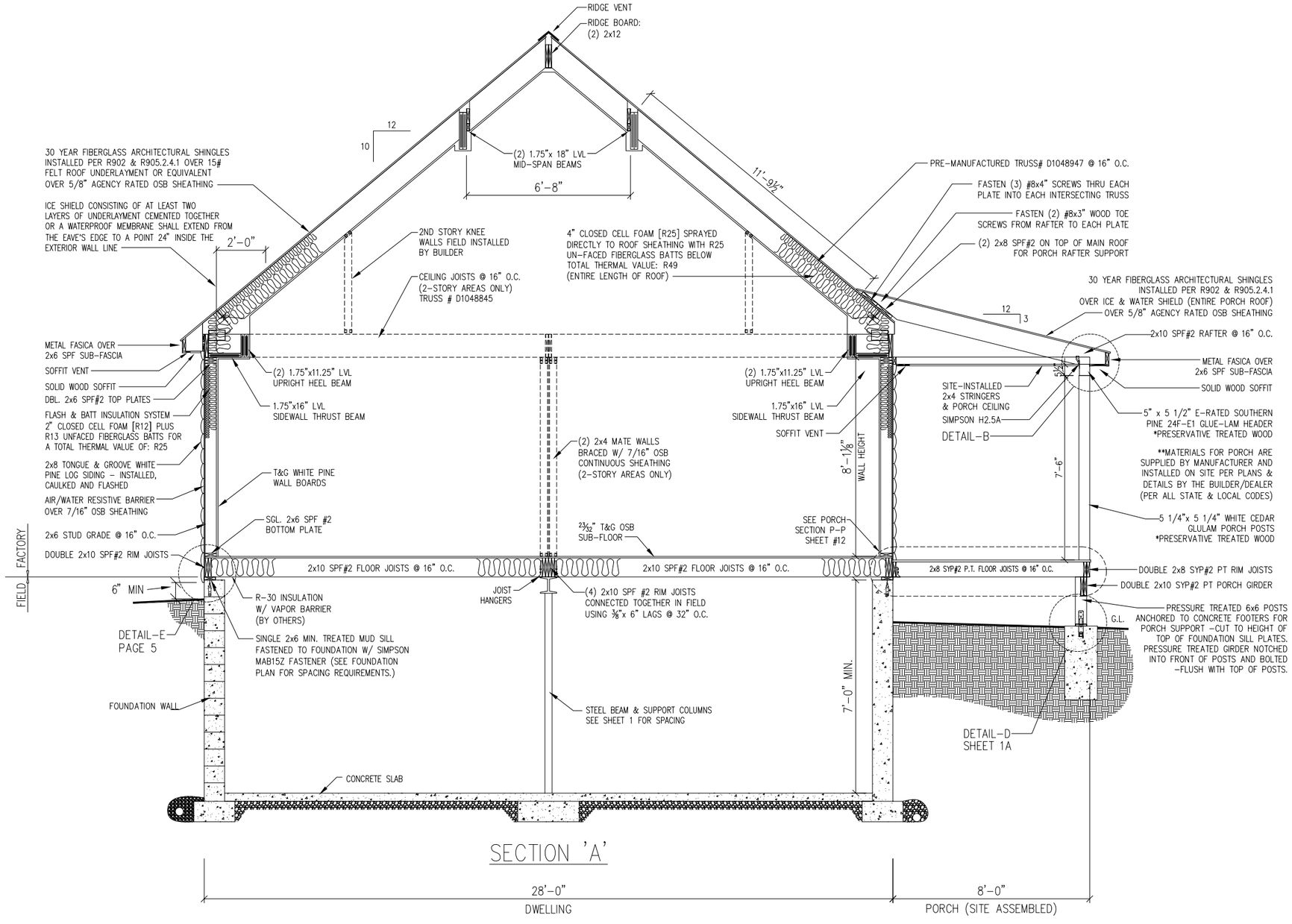
CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD RT 372
ATGLEN, PA 19310

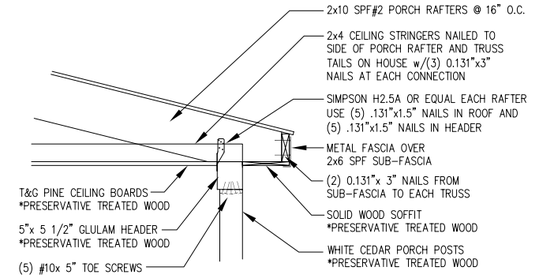
REV#	DATE	BY	REVISIONS

DRAWN BY: NKG
DATE: 02/02/21
SCALE: 5/32"=1'-0"
CHECKED BY: LDZ

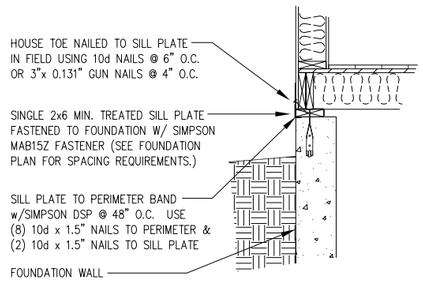
FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: SIDE ELEVATIONS
SHEET: 4A



SECTION 'A'



DETAIL "B"



DETAIL "E"

HOUSE TO FOUNDATION CONNECTIONS

NOTES:
1. ALL EXPOSED LUMBER TO BE PRESSURE TREATED OR PRESERVATIVE TREATED
2. ALL EXPOSED CONNECTORS MUST BE CORROSIONS RESISTANT

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID R. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@jlescoinc.com

CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD, RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

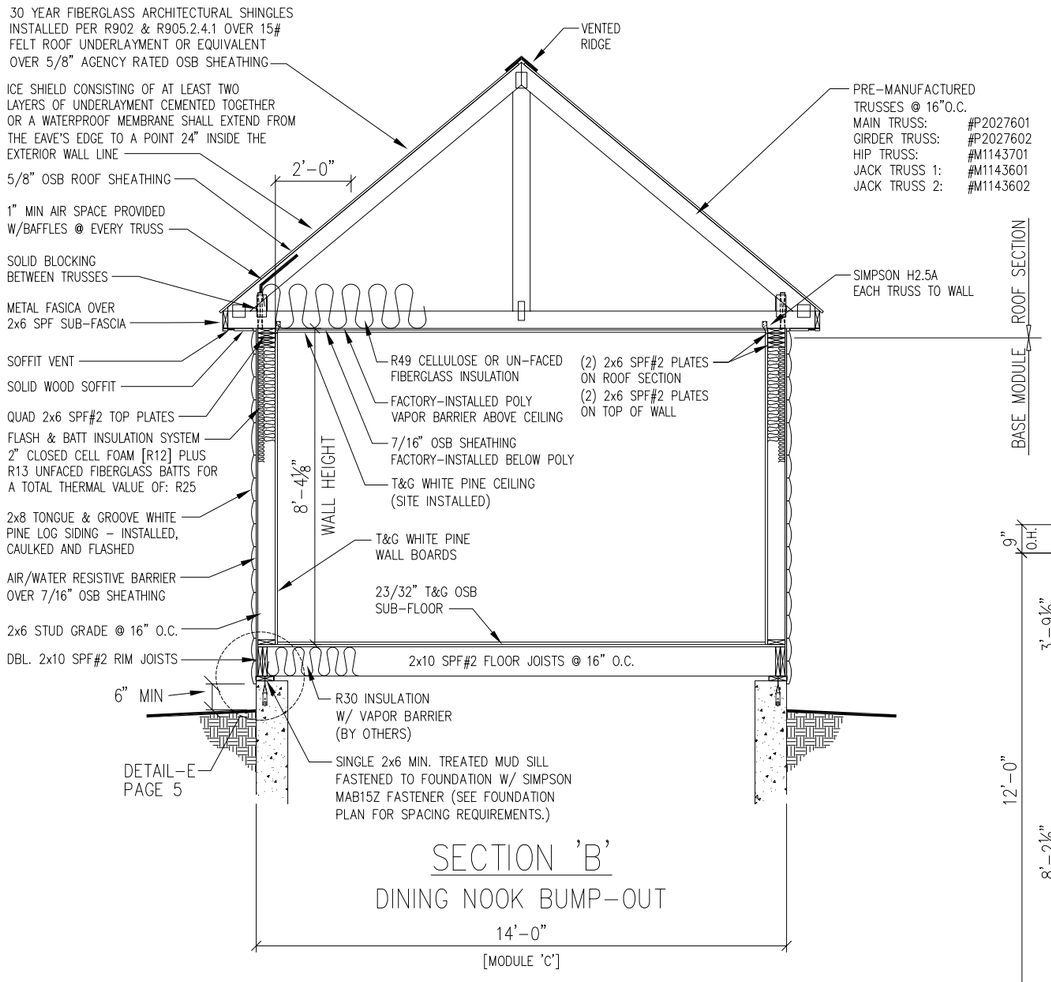
DRAWN BY: NKG
DATE: 02/02/21
SCALE: NTS
CHECKED BY: LDZ

P.E. SEAL:

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: CROSS SECTION
SHEET: 5

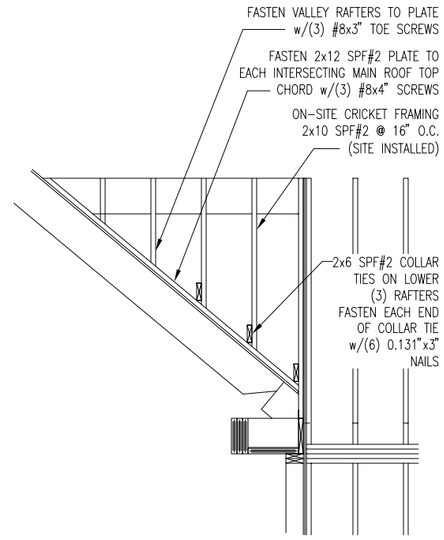


SECTION 'B'

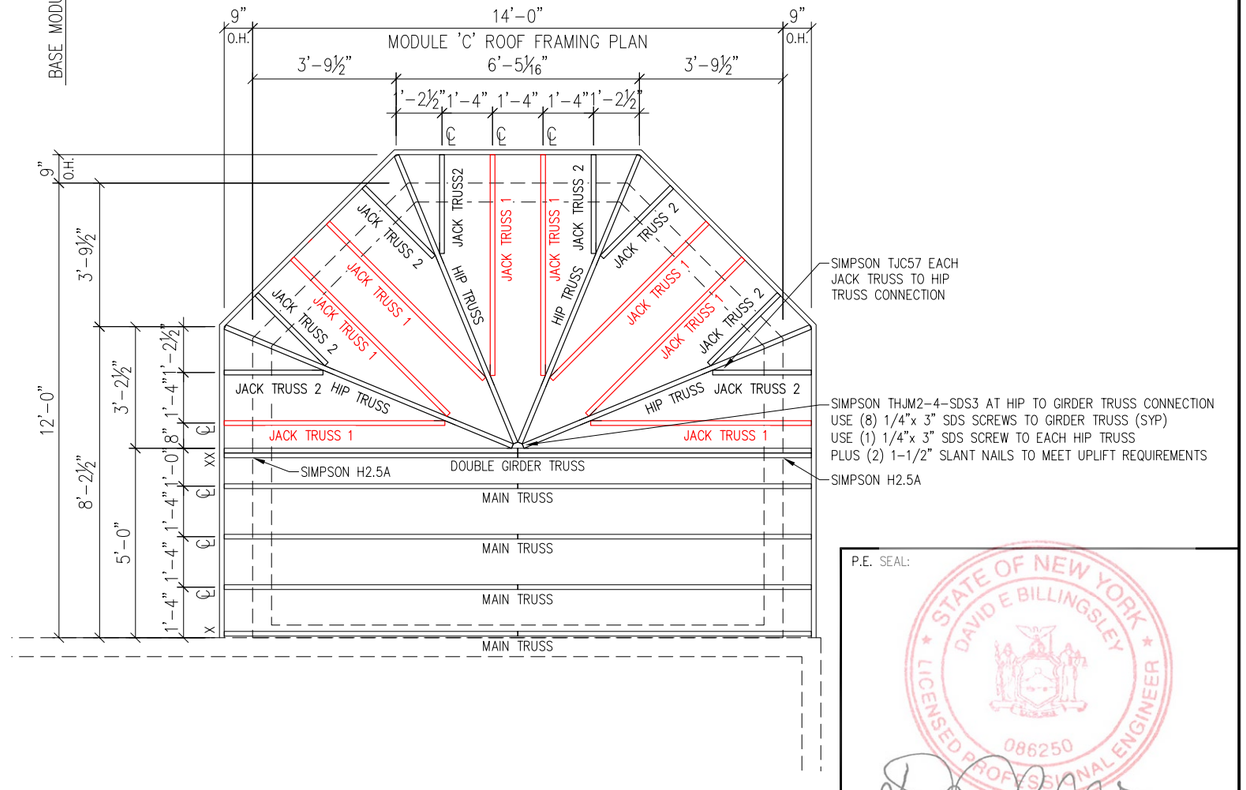
DINING NOOK BUMP-OUT

14'-0"

[MODULE 'C']



MODULE 'C' CRICKET



NOTES:

1. ALL EXPOSED LUMBER TO BE PRESSURE TREATED OR PRESERVATIVE TREATED
2. ALL EXPOSED CONNECTORS MUST BE CORROSIONS RESISTANT

P.E. SEAL:

STATE OF NEW YORK · DAVID E BILLINGSLEY · LICENSED PROFESSIONAL ENGINEER · 086250

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID R. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glenconinc.com

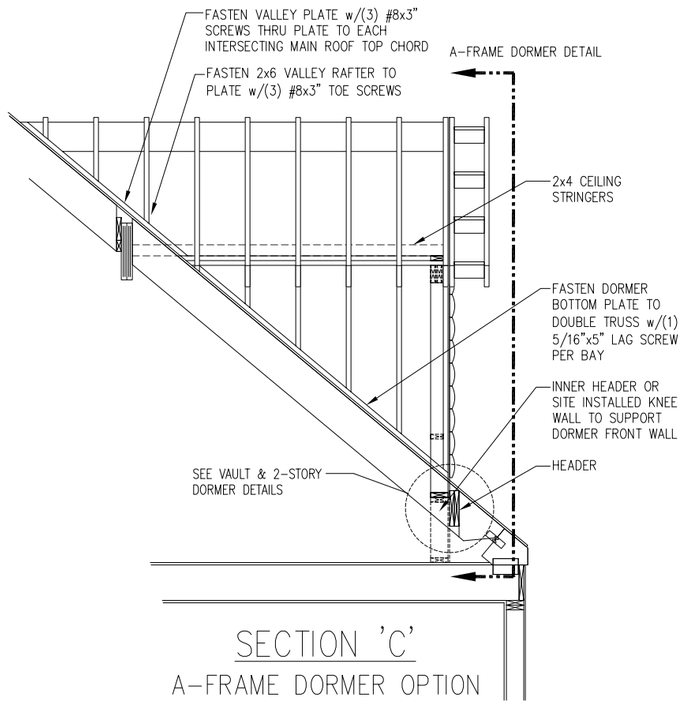
CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY/RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

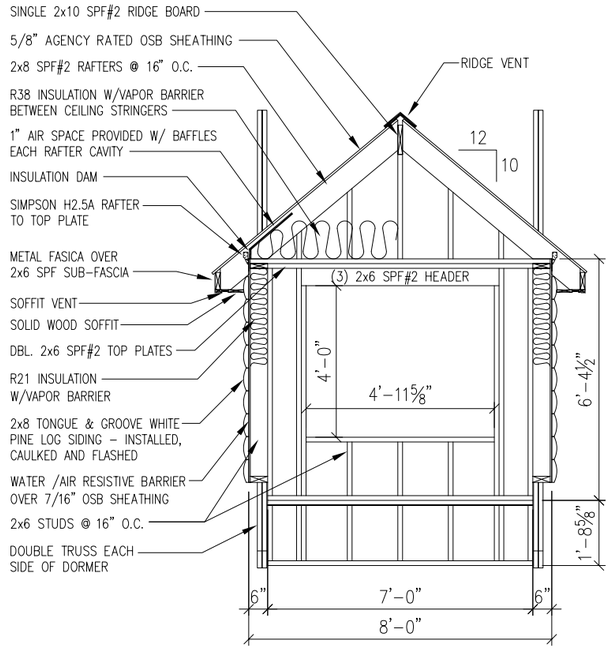
DRAWN BY: NKG
DATE: 02/02/21
SCALE: 1/4"=1'-0"
CHECKED BY: LDZ

FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: BUMP-OUT CROSS SECTION
SHEET: 5A

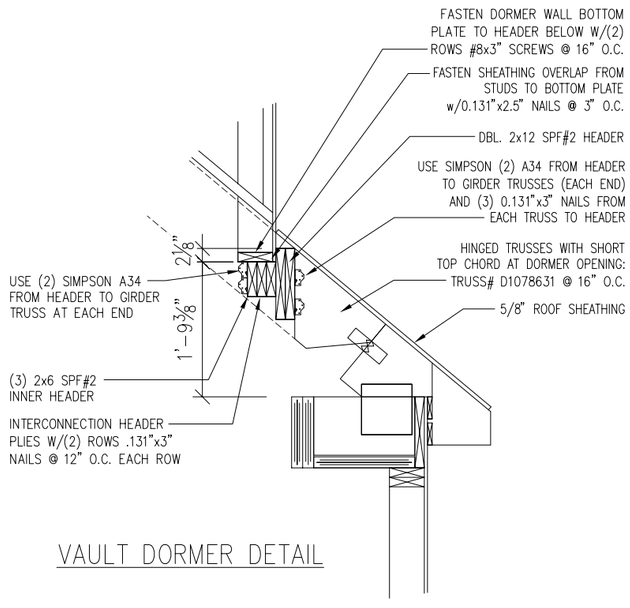


SECTION 'C'

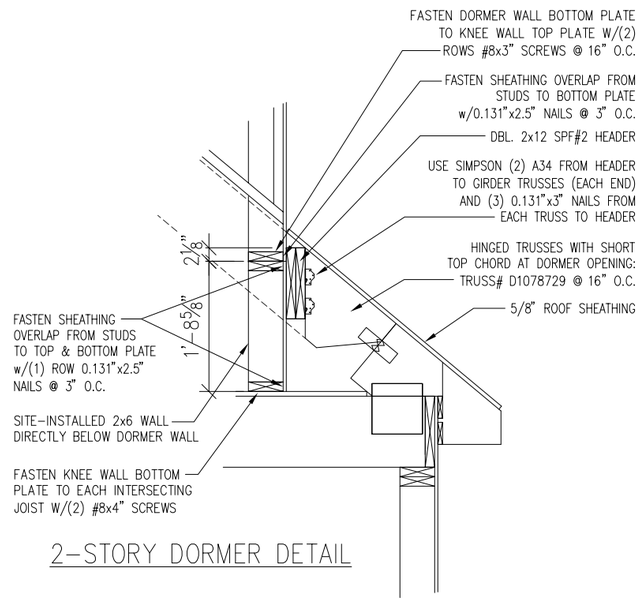
A-FRAME DORMER OPTION



A-FRAME DORMER DETAIL



VAULT DORMER DETAIL



2-STORY DORMER DETAIL

NOTES:
1. ALL EXPOSED LUMBER TO BE PRESSURE TREATED OR PRESERVATIVE TREATED
2. ALL EXPOSED CONNECTORS MUST BE CORROSIONS RESISTANT

P.E. SEAL:

STATE OF NEW YORK · DAVID E BILLINGSLEY · LICENSED PROFESSIONAL ENGINEER · 086250

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID B. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glencoinc.com

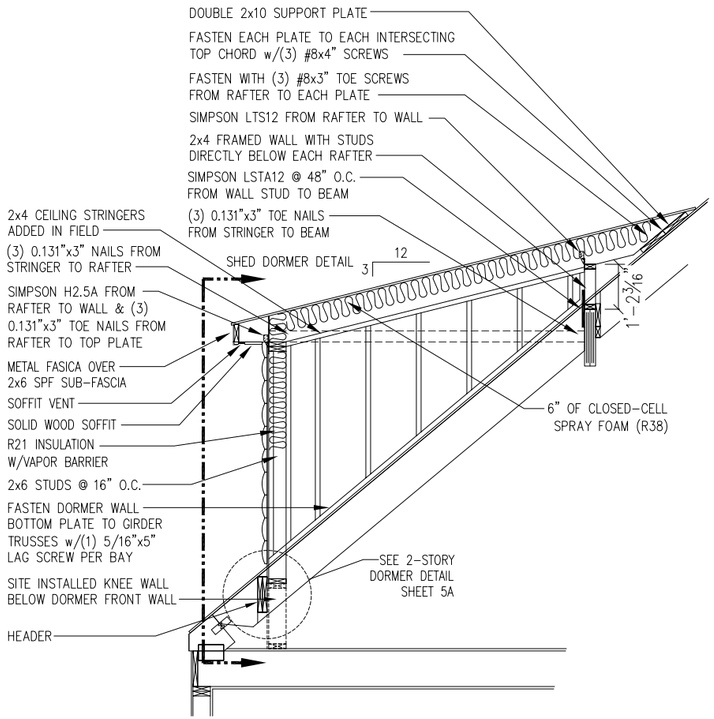
CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD, RT 372
ATGLEN, PA 19310

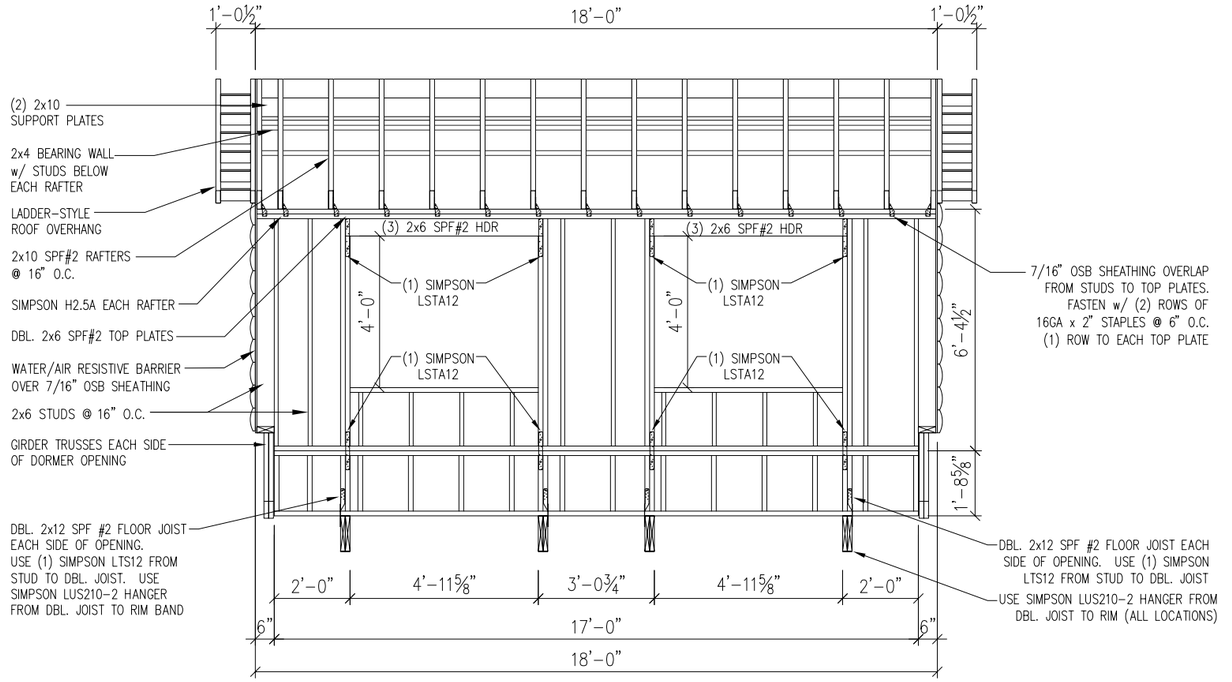
REV#	DATE	REVISIONS	BY

DRAWN BY: NKG
DATE: 02/02/21
SCALE: 1/4"=1'-0"
CHECKED BY: LDZ

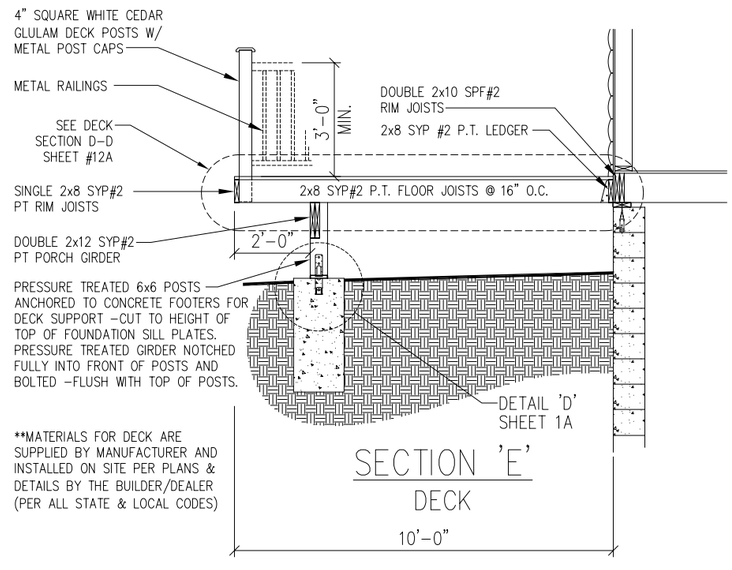
FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: A-FRAME DORMER CROSS SECTION
SHEET: 5B



SECTION 'D'
SHED DORMER OPTION



SHED DORMER DETAIL



SECTION 'E'
DECK

NOTES:
1. ALL EXPOSED LUMBER TO BE PRESSURE TREATED OR PRESERVATIVE TREATED
2. ALL EXPOSED CONNECTORS MUST BE CORROSIONS RESISTANT

COZY CABINS LLC
455 FARMERSVILLE RD.
NEW HOLLAND, PA. 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID R. BILLINGSLEY, P.E.
NY. LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@jlmcoinc.com

CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD. RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

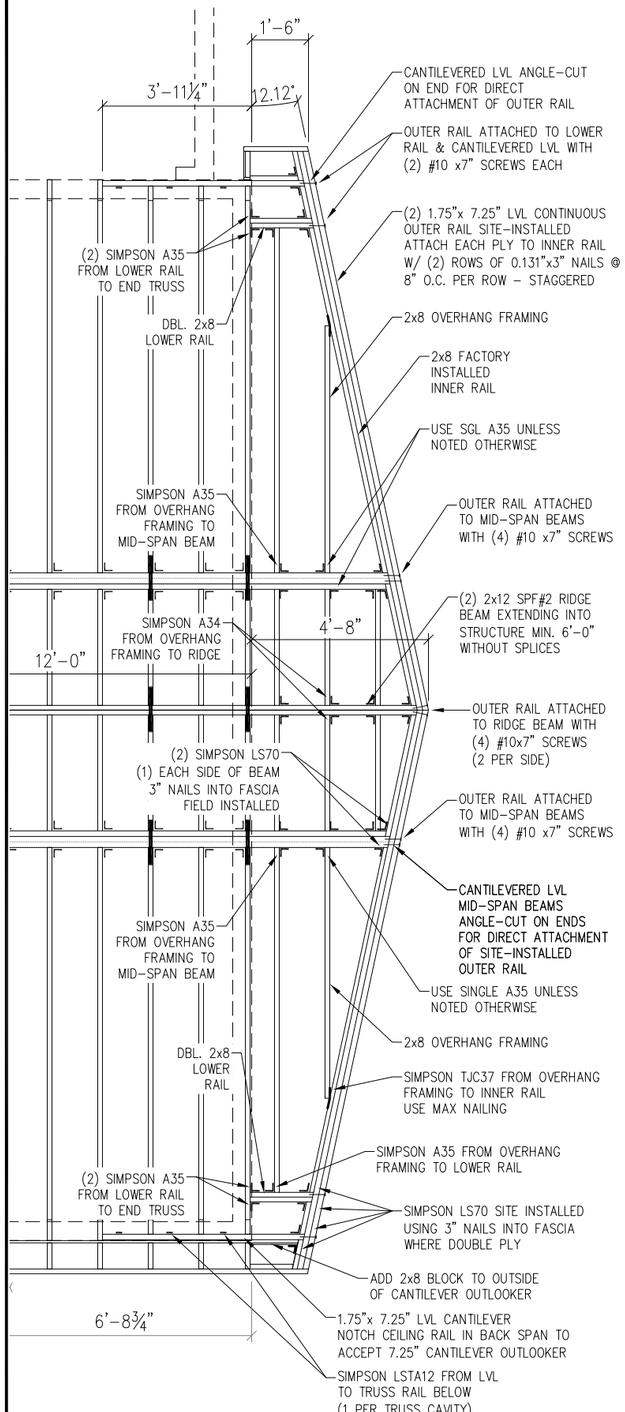
DRAWN BY: NKG
DATE: 02/02/21
SCALE: 1/4"=1'-0"
CHECKED BY: LDZ

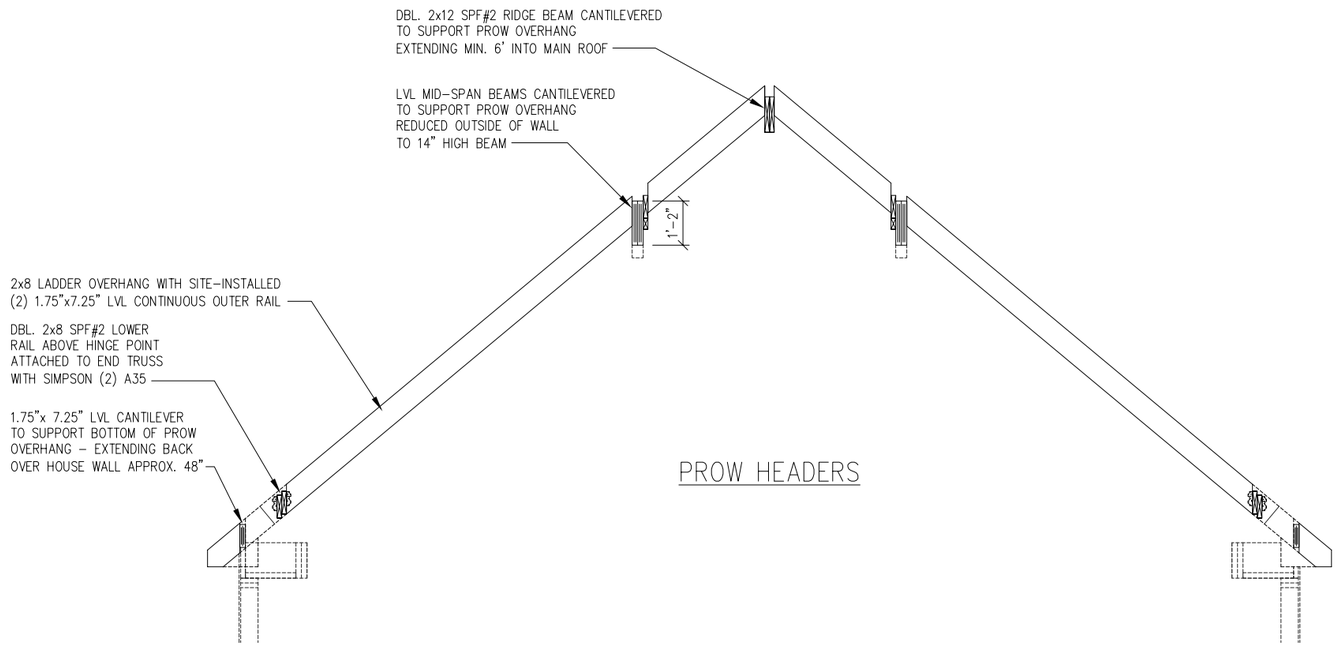
FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: SHED DORMER & DECK CROSS SECTIONS
SHEET: 5C

P.E. SEAL:

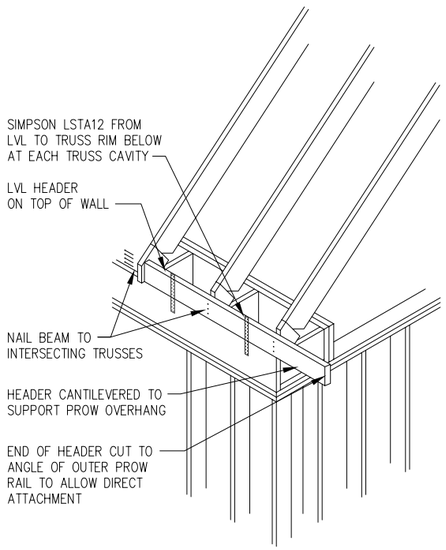
03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.





PROW HEADERS



LOWER CANTILEVER HEADER DETAIL

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID R. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glencoinc.com

CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD, RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

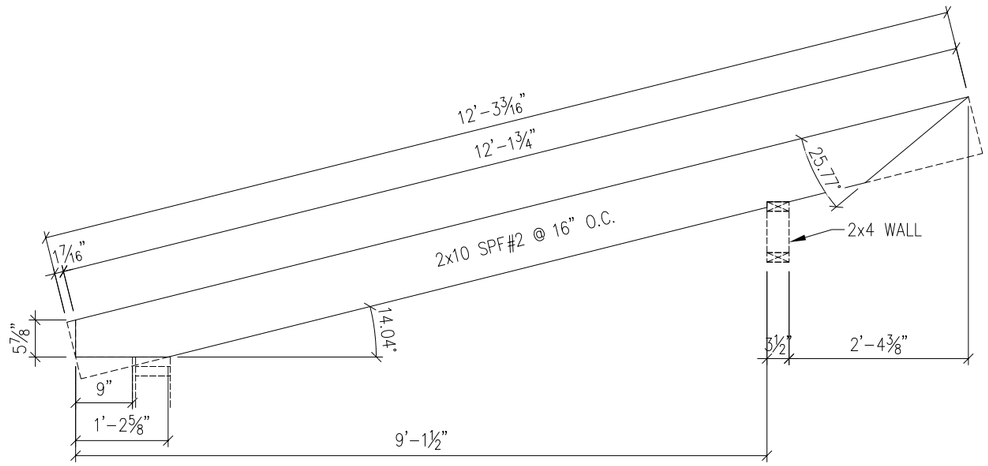
DRAWN BY: NKG
DATE: 02/02/21
SCALE: 1/4"=1'-0"
CHECKED BY: LDZ

FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: PROW ROOF DETAIL
SHEET: 5D

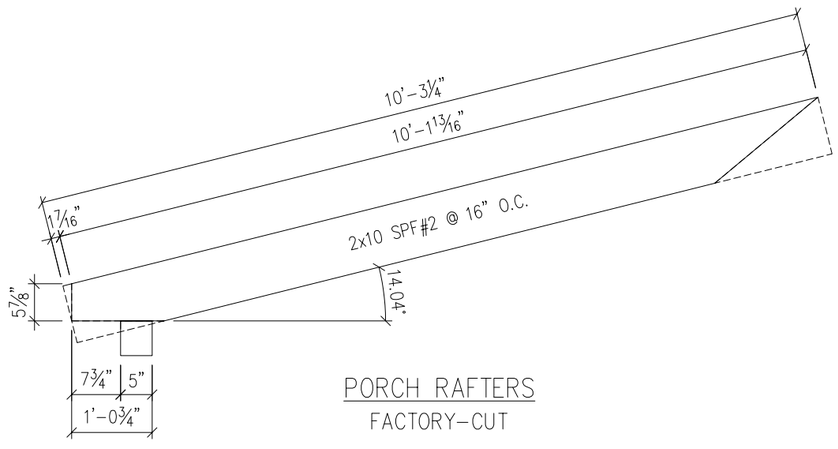
P.E. SEAL:

03/30/2021

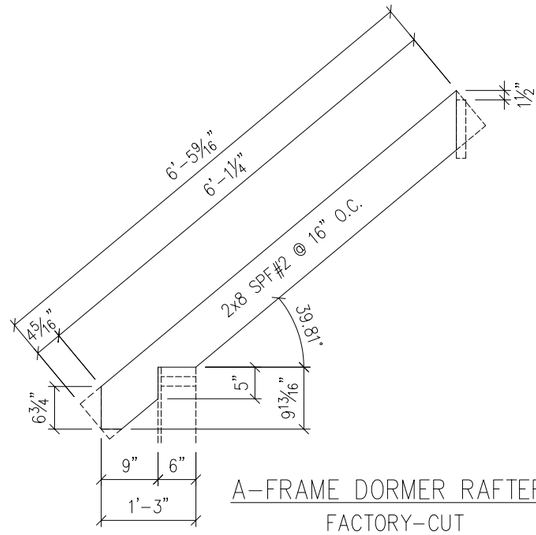
WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.



SHED DORMER RAFTERS
FACTORY-CUT



PORCH RAFTERS
FACTORY-CUT



A-FRAME DORMER RAFTERS
FACTORY-CUT

P.E. SEAL:

STATE OF NEW YORK · DAVID E BILLINGSLEY · LICENSED PROFESSIONAL ENGINEER · 086250

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID E. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glenconinc.com

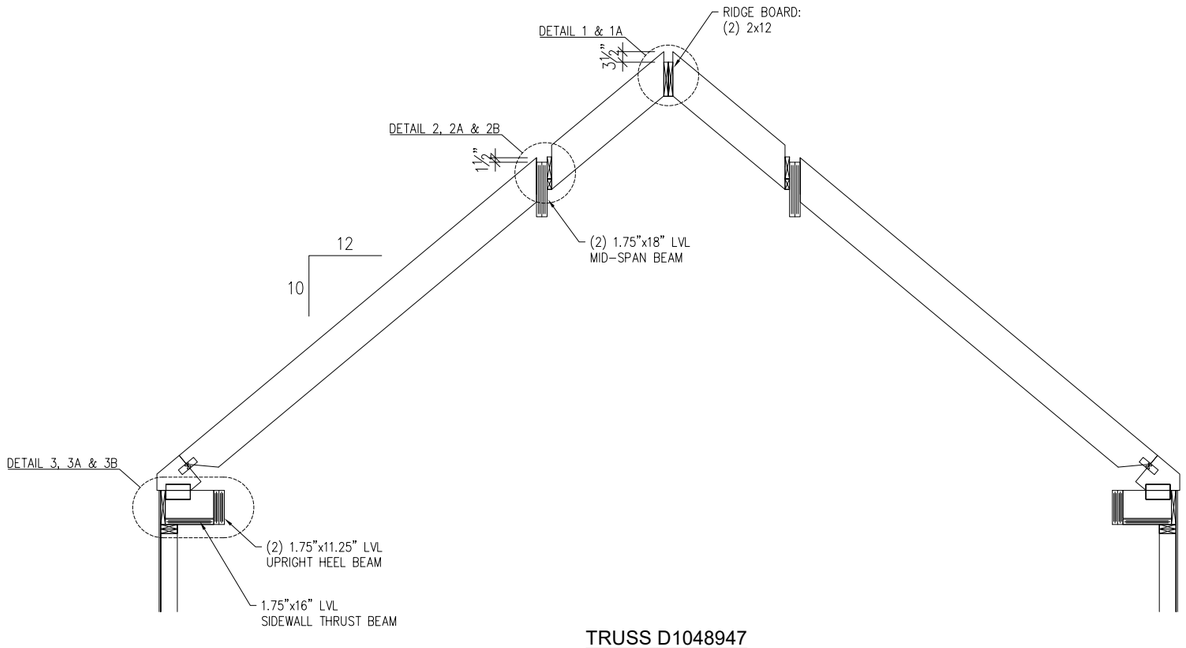
CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY/RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD RT 372
ATGLEN, PA 19310

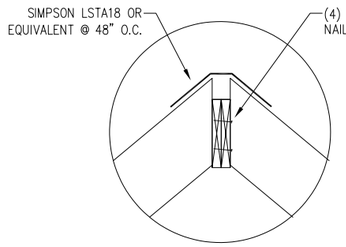
REV#	DATE	REVISIONS	BY

DRAWN BY: NKG
DATE: 02/02/21
SCALE: 1/2"=1'-0"
CHECKED BY: LDZ

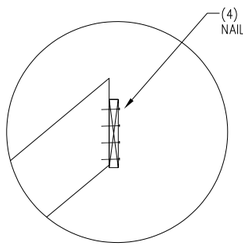
FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: RAFTER DETAILS
SHEET: 5E



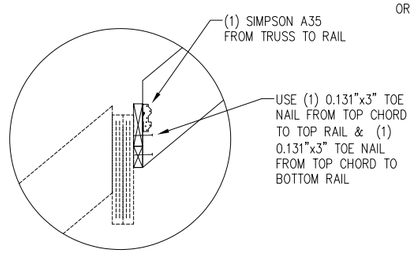
TRUSS D1048947



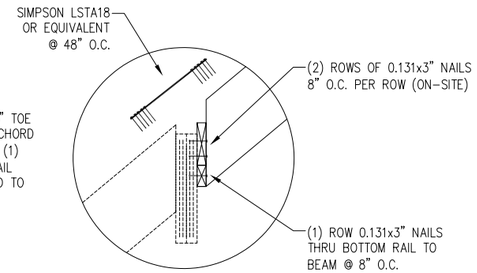
DETAIL 1
RIDGE BOARD TO RIDGE BOARD ON-SITE



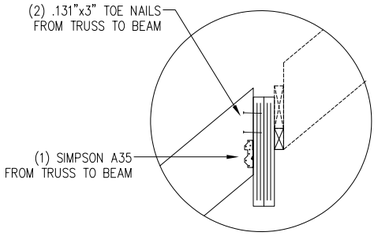
DETAIL 1A
RIDGE BOARD TO TRUSS TOP CHORD



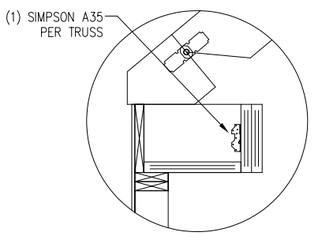
DETAIL 2
FLIP TRUSS TO STRINGER



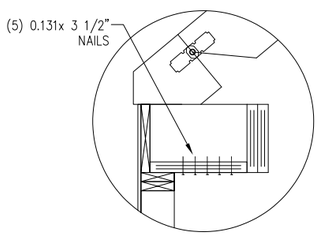
DETAIL 2A
TOP CHORD FLIP CONNECTION



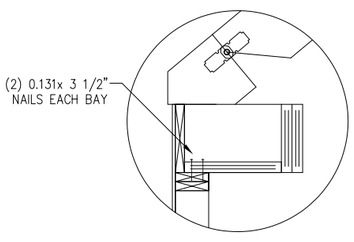
DETAIL 2B
TOP CHORD TO
MID-SPAN ROOF BEAM



DETAIL 3
VERTICAL HEEL BEAM TO
BOTTOM CHORD CONNECTION



DETAIL 3A
SIDEWALL THRUST BEAM TO
BOTTOM CHORD CONNECTION



DETAIL 3B
SIDEWALL THRUST BEAM TO
WALL PLATE CONNECTION

P.E. SEAL:

STATE OF NEW YORK
DAVID E BILLINGSLEY
LICENSED PROFESSIONAL ENGINEER
086250

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID E. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glencoinc.com

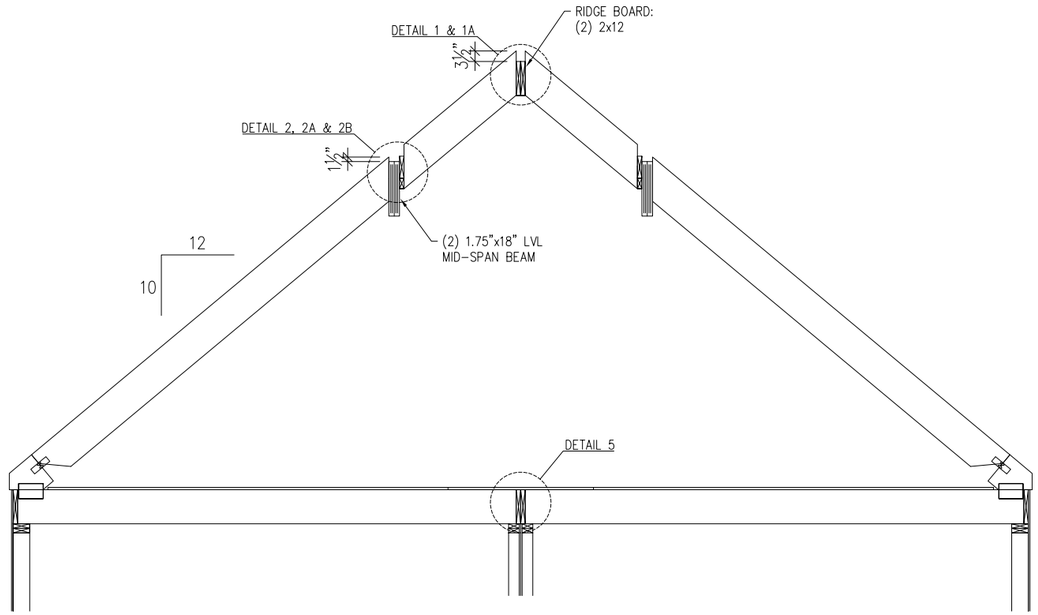
CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD RT 372
ATGLEN, PA 19310

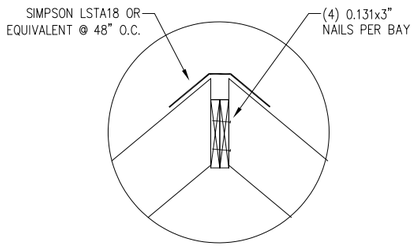
REV#	DATE	REVISIONS	BY

DRAWN BY: NKG
DATE: 02/02/21
SCALE: NTS
CHECKED BY: LDZ

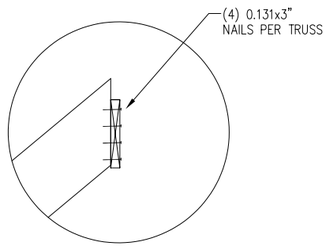
FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: VAULT TRUSS CONNECTIONS
SHEET: 5F



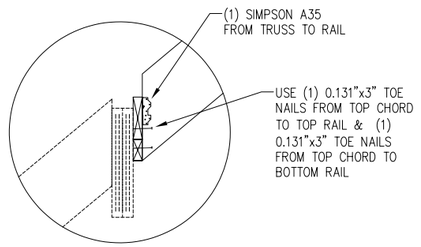
TRUSS D1048845



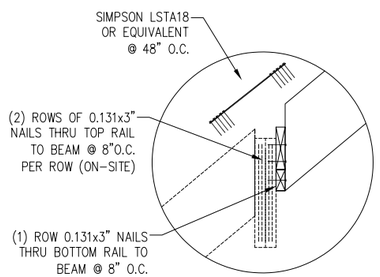
DETAIL 1
RIDGE BOARD TO RIDGE BOARD ON-SITE



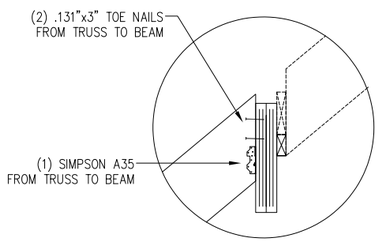
DETAIL 1A
RIDGE BOARD TO TRUSS TOP CHORD



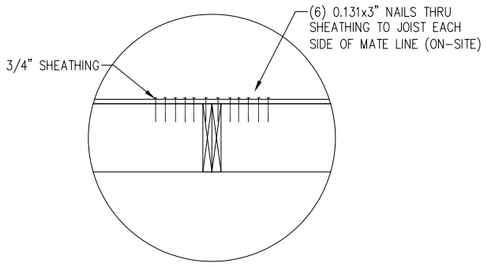
DETAIL 2
FLIP TRUSS TO STRINGER



DETAIL 2A
TOP CHORD FLIP CONNECTION



DETAIL 2B
TOP CHORD TO
MID-SPAN ROOF BEAM



DETAIL 5
TRUSS TO TRUSS ACROSS MATE LINE

P.E. SEAL:

STATE OF NEW YORK * DAVID E BILLINGSLEY * LICENSED PROFESSIONAL ENGINEER 086250

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID E. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glencoinc.com

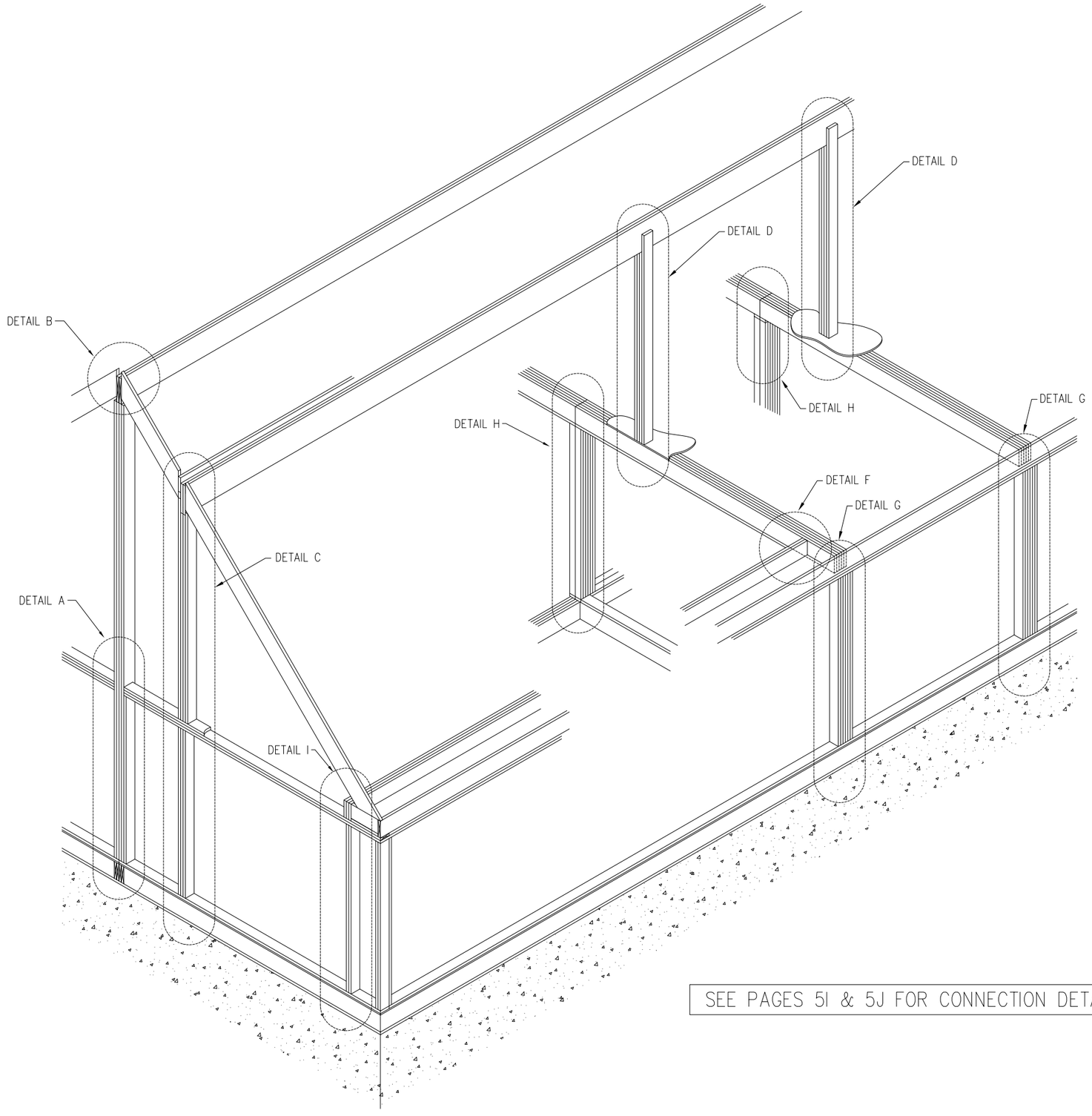
CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

DRAWN BY: NKG
DATE: 02/02/21
SCALE: NTS
CHECKED BY: LDZ

FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: 2-STORY TRUSS CONNECTIONS
SHEET: 5C



SEE PAGES 5I & 5J FOR CONNECTION DETAILS

P.E. SEAL:

STATE OF NEW YORK · DAVID E BILLINGSLEY · LICENSED PROFESSIONAL ENGINEER · 086250

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID R. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glenconinc.com

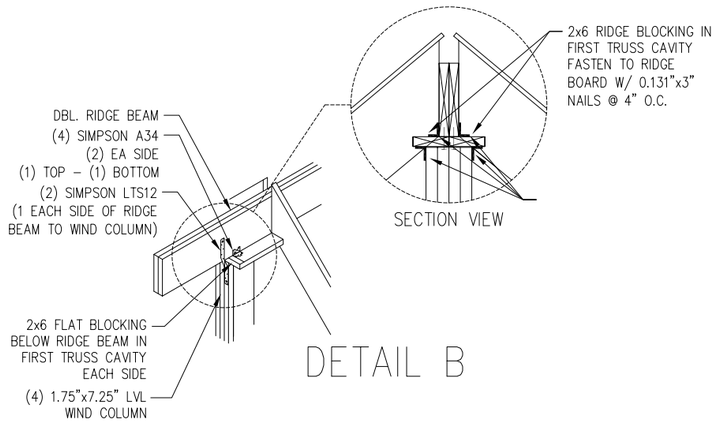
CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY/RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

DRAWN BY: NKG
DATE: 02/02/21
SCALE: NTS
CHECKED BY: LDZ

FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: CONNECTION DETAILS
SHEET: 5H

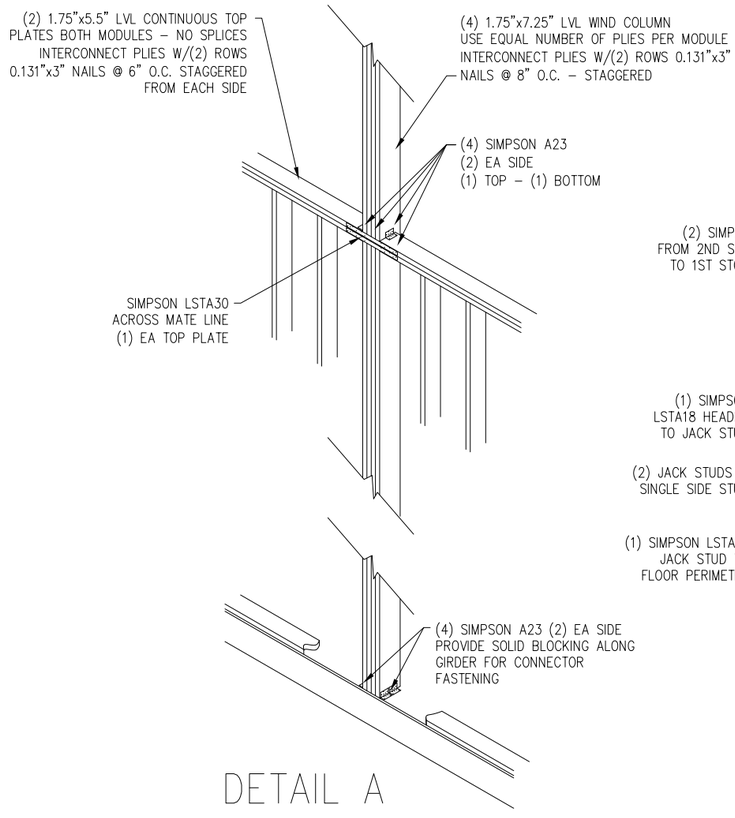


DETAIL B

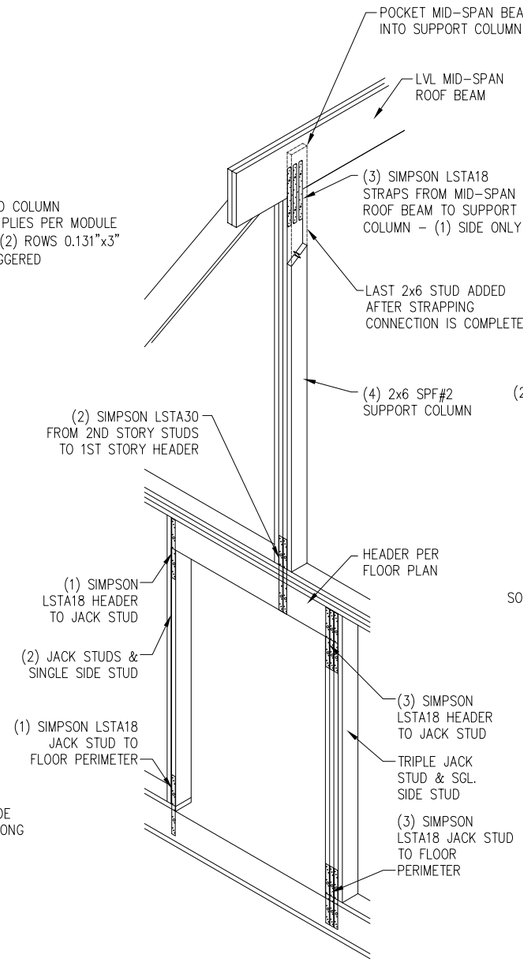
- STRUCTURAL MEMBERS INDICATED ON THIS PLAN ARE ASSUMED TO HAVE FULL BEARING ON THE SPECIFIED SUPPORT COLUMN UNLESS NOTED OTHERWISE
- ALL STUDS INDICATED FOR HEADERS ARE ASSUMED TO BE JACK STUDS UNLESS NOTED OTHERWISE
- END LENGTH OF STRAPS FASTENED TO THE END OR EDGE OF LVL MEMBERS MUST BE INCREASED ACCORDINGLY FOR A MINIMUM NAIL SPACING OF 3" O.C.
- STRUCTURAL BEAMS SHALL NOT BE NOTCHED OR DRILLED
- FASTEN ALL HEADERS TO KING STUDS w/ (4) 0.131"x3" NAILS EACH END (TOENAILED OR IN ENDGRAIN)

- REQUIREMENTS FOR STRAPS FASTENED TO EDGE OR OF LVL MEMBERS:
  - (2) ROWS OF NAILS w/ 1/2" MIN. SPACING BETWEEN ROWS

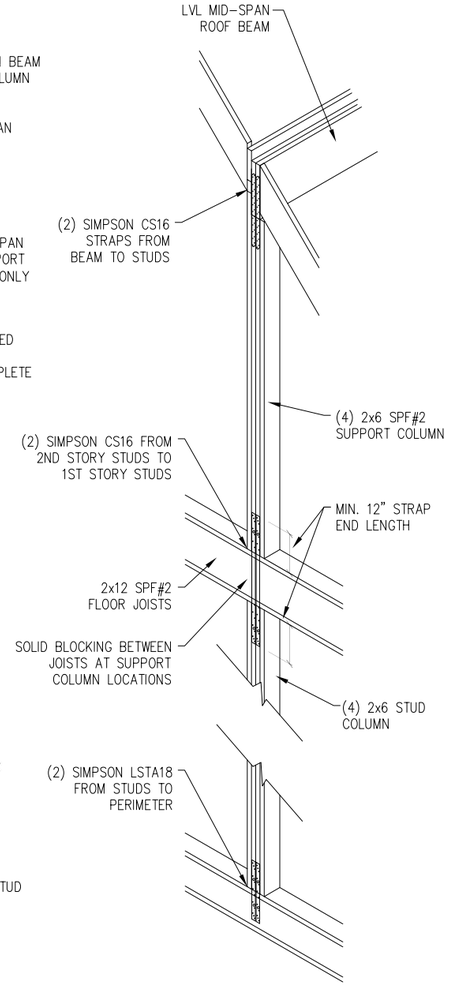
8d COMMON NAILS (0.131"x2.5")	
MIN. SPACING PER ROW:	3" O.C.
MIN. END DISTANCE:	2"
10d COMMON NAILS (0.148"x3")	
MIN. SPACING PER ROW:	4" O.C.
MIN. END DISTANCE:	3"



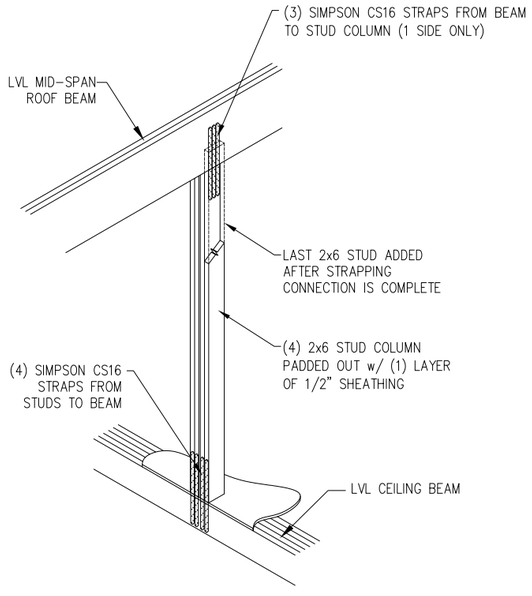
DETAIL A



DETAIL C
VAULTED END



DETAIL C–1
FLOOR FRAMING BETWEEN COLUMNS



DETAIL D

P.E. SEAL:

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID R. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glenconinc.com

CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY/RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD RT 372
ATGLEN, PA 19310

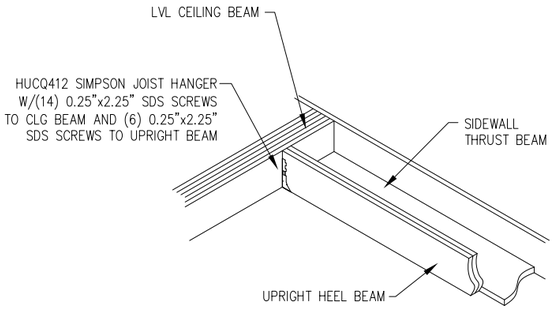
REV#	DATE	BY	REVISIONS

DRAWN BY: NKG
DATE: 02/02/21
SCALE: NTS
CHECKED BY: LDZ

FILE: CC–731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: CONNECTION DETAILS
SHEET: 5I

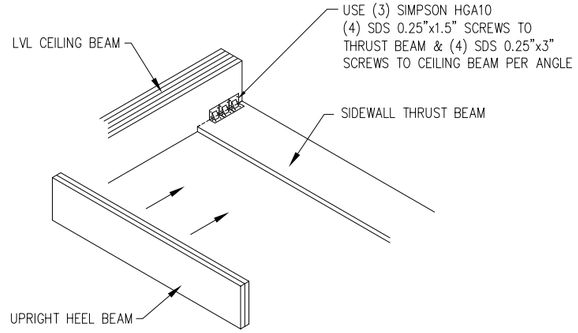
- REQUIREMENTS FOR STRAPS FASTENED TO EDGE OR OF LVL MEMBERS:
  - (2) ROWS OF NAILS w/ 1/2" MIN. SPACING BETWEEN ROWS

8d COMMON NAILS (0.131"x2.5")	
MIN. SPACING PER ROW:	3" O.C.
MIN. END DISTANCE:	2"
10d COMMON NAILS (0.148"x3")	
MIN. SPACING PER ROW:	4" O.C.
MIN. END DISTANCE:	3"

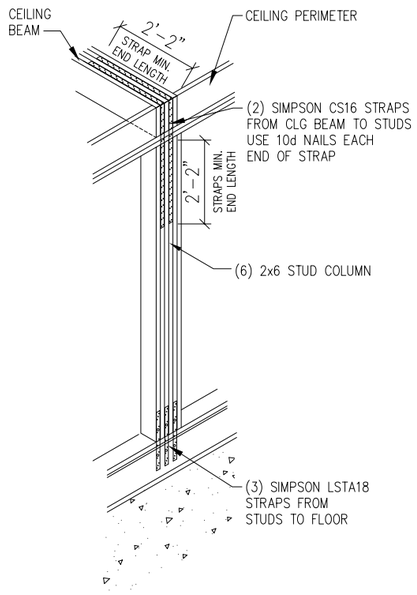


DETAIL F

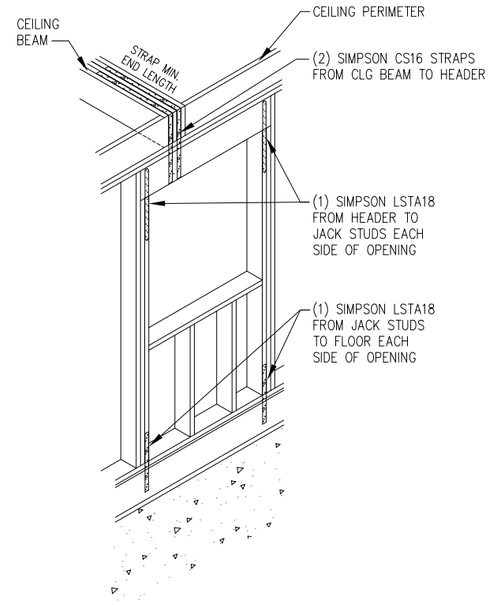
- STRUCTURAL MEMBERS INDICATED ON THIS PLAN ARE ASSUMED TO HAVE FULL BEARING ON THE SPECIFIED SUPPORT COLUMN UNLESS NOTED OTHERWISE
- ALL STUDS INDICATED FOR HEADERS ARE ASSUMED TO BE JACK STUDS UNLESS NOTED OTHERWISE
- END LENGTH OF STRAPS FASTENED TO THE END OR EDGE OF LVL MEMBERS MUST BE INCREASED ACCORDINGLY FOR A MINIMUM NAIL SPACING OF 3" O.C.
- STRUCTURAL BEAMS SHALL NOT BE NOTCHED OR DRILLED
- FASTEN ALL HEADERS TO KING STUDS w/ (4) 0.131"x3" NAILS EACH END (TOENAILED OR IN ENDGRAIN)



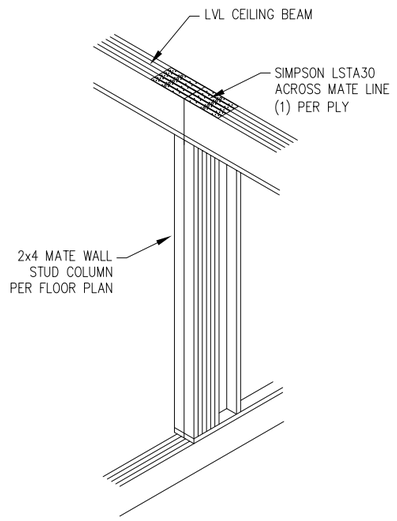
DETAIL F-1



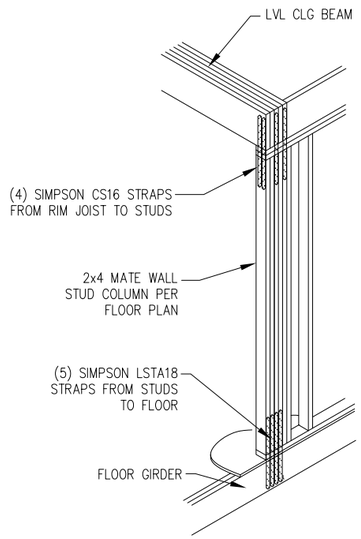
DETAIL G



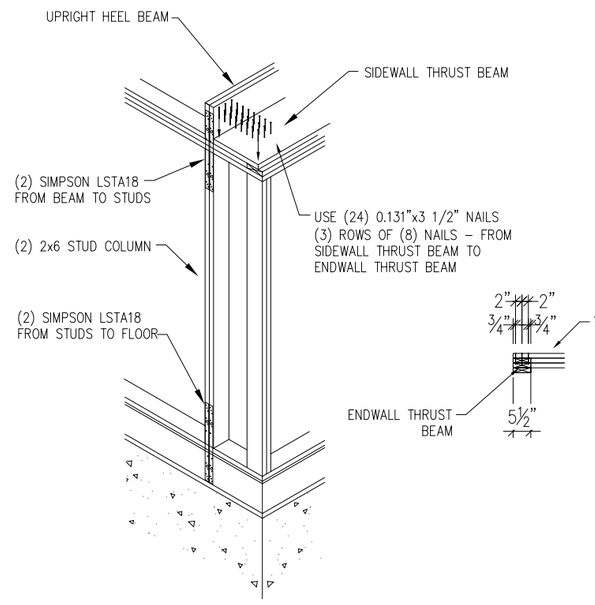
DETAIL G-1



DETAIL H



DETAIL H-1



DETAIL I

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID R. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glencoinc.com

CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD, RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

DRAWN BY: NKG
DATE: 02/02/21
SCALE: NTS
CHECKED BY: LDZ

P.E. SEAL:

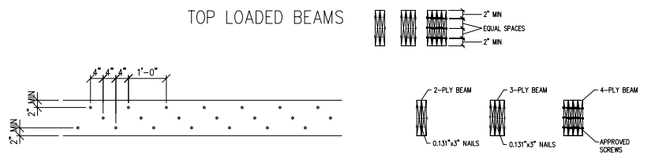
STATE OF NEW YORK
DAVID E BILLINGSLEY
LICENSED PROFESSIONAL ENGINEER
086250

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: CONNECTION DETAILS
SHEET: 5J

TOP LOADED BEAMS



FASTENING REQUIREMENTS FOR MULTIPLE PLY LVL MEMBERS:

2- AND 3-PLY MEMBERS:
- 12" OR LESS x 1.5" MEMBER BEAMS:
  - USE (2) ROWS OF 0.131"x3" NAILS @ 8" O.C.
- 14", 16" OR 18" x 1.5" MEMBER BEAMS:
  - USE (3) ROWS OF 0.131"x3" NAILS @ 8" O.C.
- 20",22" OR 24" x 1.5" MEMBER BEAMS:
  - USE (4) ROWS OF 0.131"x3" NAILS @ 8" O.C.

4-PLY MEMBERS:
- 16" OR LESS x 1.5" MEMBER BEAMS:
  - USE (2) ROWS OF APPROVED SCREWS @ 24" O.C.
- 16" TO 24" x 1.5" MEMBER BEAMS:
  - USE (3) ROWS OF APPROVED SCREWS @ 24" O.C.

NOTES:
- FOR 1.75" THICK MEMBERS, USE 0.131"x3.5" NAILS IN PLACE OF 0.131"x3" NAILS.
- THE FOLLOWING SCREWS ARE APPROVED FOR USE IN CONNECTING MULTIPLE PLIES OF LVL:
  - SIMPSON SDW WOOD SCREWS
  - SIMPSON SDS WOOD SCREWS
  - USP WS WOOD SCREWS
  - FASTENMASTER TRUSSLOK WOOD SCREWS
- IF THE FASTENER POINT PENETRATES A MINIMUM OF 75% OF THE 4TH PLY OF THE BEAM, THEY MAY BE APPLIED FROM ONE SIDE OF THE BEAM; OTHERWISE, THE FASTENERS MUST BE APPLIED FROM BOTH SIDES AND STAGGERED.
- LOAD MUST BE APPLIED EVENLY TO ALL 4 PLIES; OTHERWISE, USE CONNECTIONS FOR SIDE LOADED MEMBERS.
- FASTENING SPACING IS FOR EACH ROW. STAGGER SPACING BETWEEN ROWS OF FASTENERS.

SIDE LOADED BEAMS

FASTENING REQUIREMENTS FOR MULTIPLE PLY LVL MEMBERS:

(2) 1.5" MEMBER BEAMS:
- USE (3) ROWS OF 0.131"x3" NAILS @ 12" O.C. (575 PLF MAX. UNIFORM LOAD)
- USE (3) ROWS OF 0.131"x3" NAILS @ 6" O.C. (1,150 PLF MAX. UNIFORM LOAD)

(2) 1.75" MEMBER BEAMS:
- USE (3) ROWS OF 0.162"x3.5" NAILS @ 12" O.C. (845 PLF MAX. UNIFORM LOAD)
- USE (3) ROWS OF 0.162"x3.5" NAILS @ 6" O.C. (1,690 PLF MAX. UNIFORM LOAD)

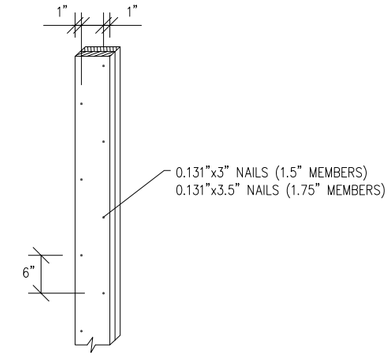
(3) 1.5" MEMBER BEAMS:
- USE (3) ROWS OF 0.131"x3" NAILS @ 12" O.C. (431 PLF MAX. UNIFORM LOAD)
- USE (3) ROWS OF 0.131"x3" NAILS @ 6" O.C. (863 PLF MAX. UNIFORM LOAD)
- USE (3) ROWS OF 0.131"x3" NAILS @ 4" O.C. (1,294 PLF MAX. UNIFORM LOAD)

(3) 1.75" MEMBER BEAMS:
- USE (3) ROWS OF 0.162"x3.5" NAILS @ 12" O.C. (635 PLF MAX. UNIFORM LOAD)
- USE (3) ROWS OF 0.162"x3.5" NAILS @ 6" O.C. (1,270 PLF MAX. UNIFORM LOAD)

(4) 1.5" OR 1.75" MEMBER BEAMS:
- USE (2) ROWS OF 1/2" BOLTS @ 12" O.C. (580 PLF MAX. UNIFORM LOAD)
- USE (3) ROWS OF 1/2" BOLTS @ 12" O.C. (870 PLF MAX. UNIFORM LOAD)

NOTES:
- VALUES APPLY TO COMMON A307 BOLTS. BOLT HOLES MUST BE THE SAME DIAMETER AS THE THE BOLTS. WASHERS MUST BE USED UNDER THE BOLT HEADS AND NUTS.
- THE SPECIFIED NAILING APPLIES TO BOTH SIDES OF A 3-PLY BEAM.
- 7" WIDE BEAMS MAY NOT BE LOADED FROM ONE SIDE ONLY. THEY MUST BE LOADED FROM BOTH SIDES AND/OR TOP LOADED.
- LOAD DURATION FACTORS MAY BE APPLIED TO THE LOADS LISTED ABOVE.

LVL DESIGN IS SUFFICIENT FOR LVL GRADES WITH A SPECIFIC GRAVITY OF 0.5 OR BETTER



BUILT UP COLUMN FASTENING

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID R. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@jdecoinc.com

CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD / RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

DRAWN BY: NKG
DATE: 02/02/21
SCALE: NTS
CHECKED BY: LDZ

P.E. SEAL:

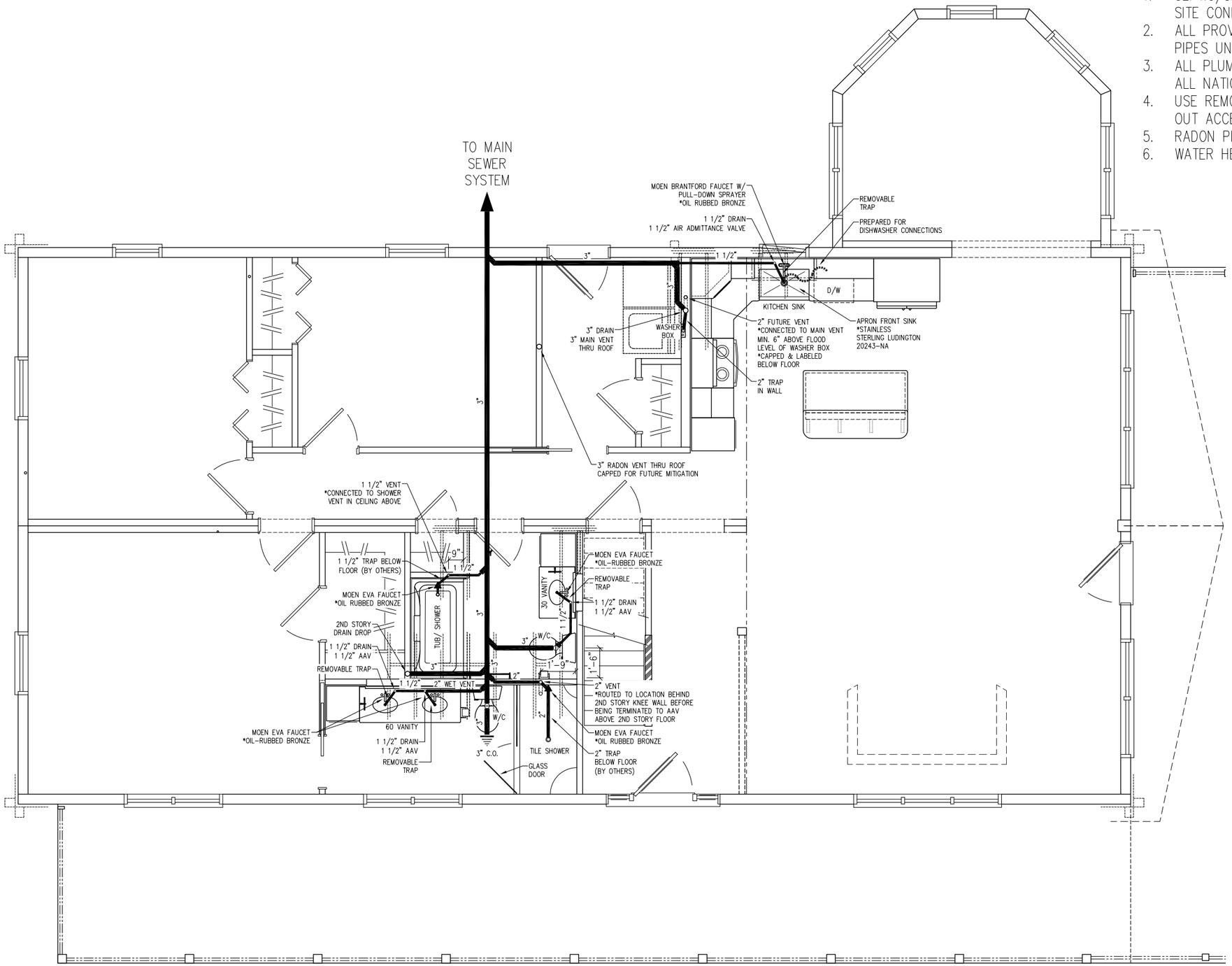
03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

FILE:	CC-731
SQ.FT.:	1,797
STATE:	NY
TYPE:	CAPE
MODEL:	MNTR. DELUXE
DRAWING:	LVL INTERCONNECTION DETAILS
SHEET:	5K

NOTES:

1. SEPTIC/SEWER PIPE DISCHARGE LOCATION MAY VARY DUE TO SITE CONDITIONS.
2. ALL PROVIDED PIPES ARE STUBBED THROUGH THE FLOOR. ALL PIPES UNDER THE FLOOR SYSTEM ARE TO BE SITE INSTALLED.
3. ALL PLUMBING MATERIAL & INSTALLATION IS TO BE DONE PER ALL NATIONAL, STATE & LOCAL CODES.
4. USE REMOVABLE TRAPS UNDER ALL SINKS TO PROVIDE CLEAN OUT ACCESS
5. RADON PIPE IS TO BE CAPPED FOR FUTURE MITIGATION.
6. WATER HEATER ON-SITE BY OTHERS



DIAMETER OF PIPE (inches)	MAXIMUM NUMBER OF DRAINAGE FIXTURE UNITS CONNECTED TO ANY PORTION OF THE BUILDING DRAIN OR THE BUILDING SEWER, INCLUDING BRANCHES OF THE BUILDING DRAIN[a]			
	Slope per foot			
	1/16 inch	1/8 inch	¼ inch	½ inch
1 ¼	—	—	1	1
1½	—	—	3	3
2	—	—	21	26
2½	—	—	24	31
3	—	36	42	50
4	—	180	216	250
5	—	390	480	575
6	—	700	840	1,000
8	1,400	1,600	1,920	2,300
10	2,500	2,900	3,500	4,200
12	3,900	4,600	5,600	6,700
15	7,000	8,300	10,000	12,000

For SI: 1 inch = 25.4 mm, 1 inch per foot = 83.3 mm/m.

a. The minimum size of any building drain serving a water closet shall be 3 inches.

TABLE P3004.1 DRAINAGE FIXTURE UNIT (d.f.u.) VALUES FOR VARIOUS PLUMBING FIXTURES

TYPE OF FIXTURE OR GROUP OF FIXTURES	DRAINAGE FIXTURE UNIT VALUE (d.f.u.)[a]
Bar sink	1
Bathtub (with or without shower head and/or whirlpool attachments)	2
Bidet	1
Clothes washer standpipe	2
Dishwasher	2
Floor drain[b]	0
Kitchen sink	2
Lavatory	1
Laundry tub	2
Shower stall	2
Water closet (1.6 gallons per flush)	3
Water closet (greater than 1.6 gallons per flush)	4
Full-bath group with bathtub (with 1.6 gallon per flush water closet, and with or without shower head and/or whirlpool attachment on the bathtub or shower stall)	5
Full-bath group with bathtub (water closet greater than 1.6 gallon per flush, and with or without shower head and/or whirlpool attachment on the bathtub or shower stall)	6
Half-bath group (1.6 gallon per flush water closet plus lavatory)	4
Half-bath group (water closet greater than 1.6 gallon per flush plus lavatory)	5
Kitchen group (dishwasher and sink with or without garbage grinder)	2
Laundry group (clothes washer standpipe and laundry tub)	3
Multiple-bath groups[c]:	
1.5 baths	7
2 baths	8
2.5 baths	9
3 baths	10
3.5 baths	11

For SI: 1 gallon = 3.785 L.

shall be allowed per gpm of flow. For a fixture not listed, use the highest d.f.u. value for a similar listed fixture.

b. A floor drain itself adds no hydraulic load. However, where used as a receptor, the fixture unit value of the fixture discharging into the receptor shall be applicable.

c. Add 2 d.f.u. for each additional full bath.

P.E. SEAL:

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID E. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@jdecoinc.com

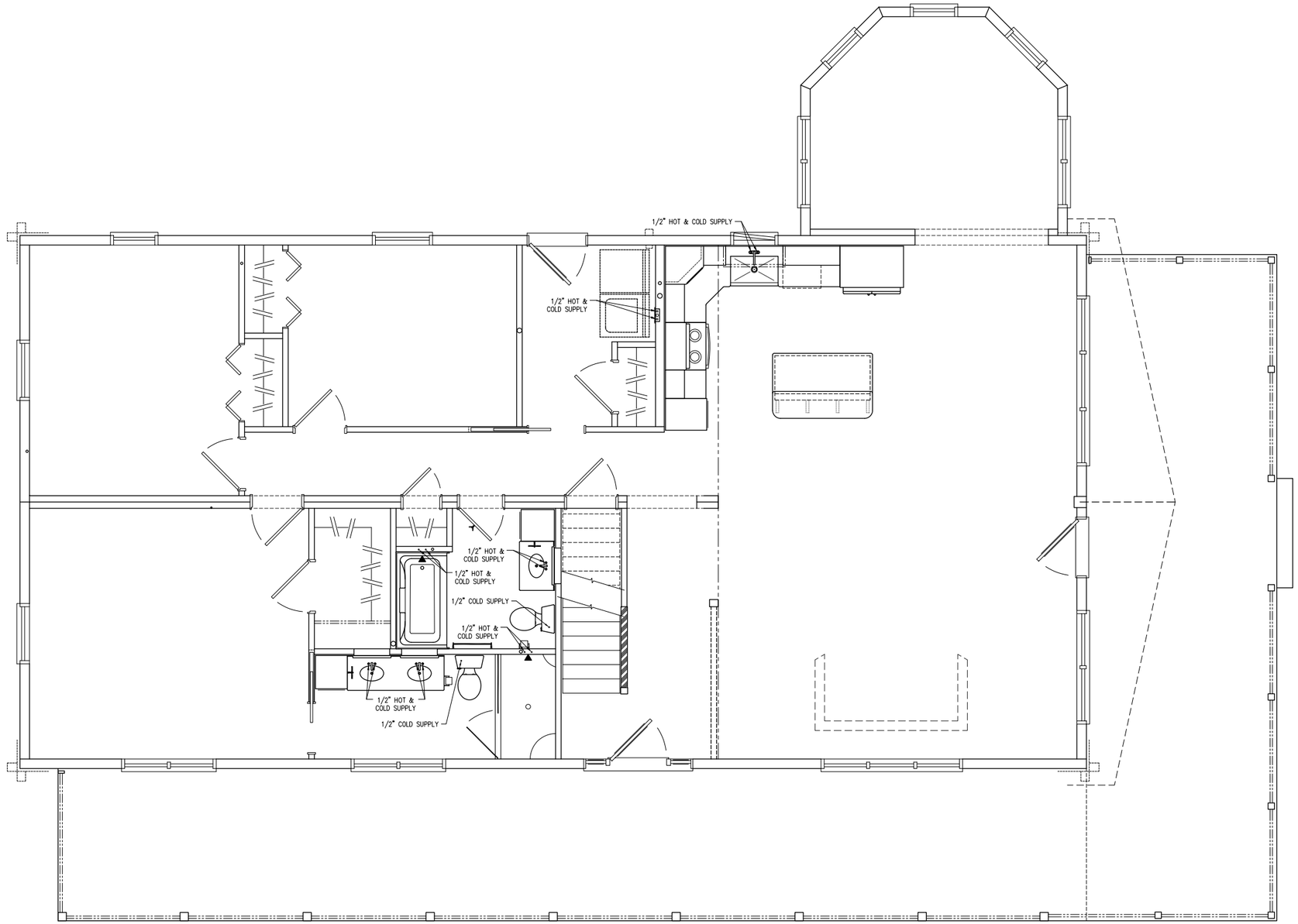
CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD, RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

DRAWN BY: NKG
DATE: 02/02/21
SCALE: 3/16"=1'-0"
CHECKED BY: LDZ

FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: PLUMBING DWV PLAN
SHEET: 6



NOTES:

1. SEE ATTACHED SHEET 6B FOR PLUMBING NOTES & DETAILS
2. ALL PLUMBING MATERIAL & INSTALLATION IS TO BE DONE PER ALL NATIONAL, STATE & LOCAL CODES.
3. A TEMPERATURE-LIMITING DEVICE CONFORMING TO ASSE 1070 IS REQUIRED AT WHIRLPOOL TUBS AND BATH TUBS TO LIMIT WATER TEMPERATURE TO 120°F.
4. WATER DISTRIBUTION SYSTEM BASED ON 30-39 PSI AND 40' MAXIMUM DEVELOPED LENGTH
5. EACH SUPPLY AND RISER SHALL HAVE A SHUT OFF VALVE.
6. SEE ATTACHED SHEET 6 TABLE P2605.1 FOR PIPE SUPPORT REQUIREMENTS.
7. ALL SUPPLY LINES BELOW THE MODULAR FLOOR SYSTEM SHALL BE SUPPLIED AND INSTALLED ON SITE BY OTHERS

NY MAX FLOW RATES & CONSUMPTION FOR PLUMBING FIXTURES:

LAVATORY FAUCET = 1.5 GPM @ 60PSI
SHOWER HEAD = 2.0 GPM @ 80PSI
SINK FAUCET = 2.2 GPM @ 60PSI
WATER CLOSET = 1.3 GAL. P/FLUSH

P.E. SEAL:

STATE OF NEW YORK
DAVID E BILLINGSLEY
LICENSED PROFESSIONAL ENGINEER
086250

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

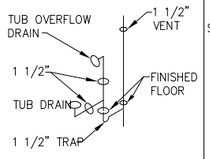
PROFESSIONAL ENGINEER:
DAVID B. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glencoinc.com

CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

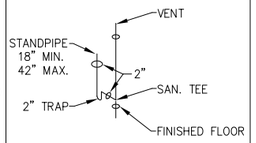
BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD, RT 372
ATGLEN, PA 19310

REV#	DATE	BY	REVISIONS	DRAWN BY:	DATE:	SCALE:	CHECKED BY:
				NKG	02/02/21	NTS	LDZ

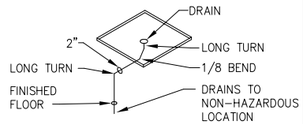
FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: PLUMBING SUPPLY PLAN
SHEET: 6A



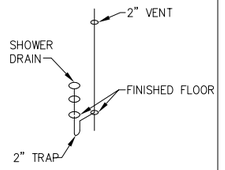
TUB/SHOWER



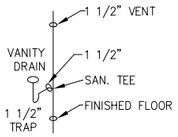
CLOTHES WASHER



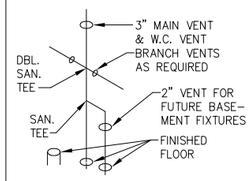
WASHER/WATER HEATER PAN USED WHEN CRAWL SPACE OR USED WHEN EITHER IS INSTALLED ON 2ND FLOOR



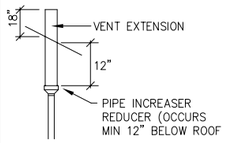
SHOWER



BATHROOM VANITY



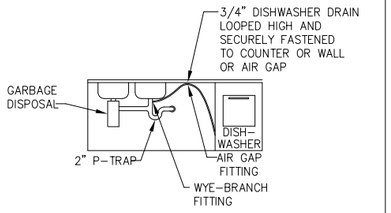
WATER CLOSET AND MAIN VENT



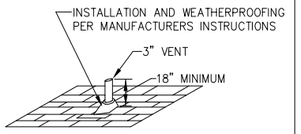
FROST CLOSURE

NY MAX FLOW RATES & CONSUMPTION FOR PLUMBING FIXTURES:

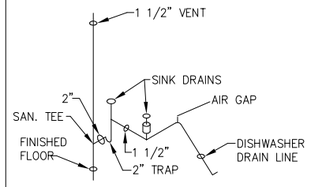
LAVATORY FAUCET = 1.5 GPM @ 60PSI
SHOWER HEAD = 2.0 GPM @ 80PSI
SINK FAUCET = 2.2 GPM @ 60PSI
WATER CLOSET = 1.3 GAL. P/FLUSH



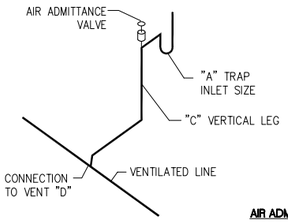
KITCHEN SINK/DISHWASHER/DISPOSAL



VENT THRU ROOF DETAIL



KITCHEN SINK/DISH-WASHER DETAIL



AIR ADMITTANCE VALVE
SEE NOTE # 16

THE VENT PIPE FROM A FIXTURE DRAIN,EXCEPT WATER CLOSETS AND SIMILAR SIPHONIC FIXTURES, SHALL NOT CONNECT BELOW THE TOP WEIR OF THE TRAP. THE VENT PIPE MAY BE CONNECTED AT A LOWER ELEVATION IF THE FOLLOWING ARE MET:

1. THE VERTICAL SECTION OF THE DRAIN PIPE SHALL BE AT LEAST ONE PIPE SIZE LARGER THAN THE TRAP INLET SIZE.
2. THE HORIZONTAL PIPE CONNECTED TO THE TRAP OUTLET SHALL BE AT LEAST TWO PIPE DIAMETERS LONG.
3. THE DEVELOPED LENGTH OF THE TRAP ARM SHALL NOT EXCEED THE VALUES STATED IN THE APPLICABLE PLUMBING CODES.

"A" – TRAP SIZE PER ALL APPLICABLE PLUMBING CODES
"B" – LENGTH IS DOUBLE THE TRAP SIZE
"C" – SIZE IS ONE SIZE LARGE THAN TRAP SIZE
"D" – DISTANCE FROM CROWN WEIR AND VENT CONNECTION ACCORDING TO MAX. DISTANCE OF VENT FROM FIXTURE TRAP

DWV NOTES:

ALL WASTE AND VENT LINES ARE PVC PIPE & SUPPLY LINES ARE PEX.

PITCH ON HORIZONTAL WASTE LINES IS 1/8" PER FOOT FOR 3" DIA. PIPE, 1/8" PER FOOT FOR LARGER THAN 3" DIA., 1/4" PER FOOT FOR LESS THAN 3" DIA. PIPE.

WASTE LINES: INSTALL WYE W/ CLEANOUT PRIOR TO EXITING WALL FOR CONNECTION TO DISPOSAL SYSTEM.

PVC-DWV PIPE SUPPORTS: AT BRANCHES, CHANGES IN DIRECTION AND AT THE BASE, EACH FLOOR AND MID STORY (VERTICAL) MAXIMUM EVERY 3'-0" AT THE END OF BRANCHES, AND CHANGE OF DIRECTION OR ELEVATION. 4" MINIMUM MAIN WASTE TO SEPTIC.

RESERVED

EACH DWELLING UNIT SHALL HAVE ONE MAIN 3 INCH MIN. STACK FROM BUILDING DRAIN AND AT A MIN. OF 6" ABOVE THE ROOF LINE

ALL TRAP ARMS MUST BE SUPPORTED WITH 3/4" MINIMUM BEARING.

ALL PLASTIC PIPE MUST BE SUPPORTED AT INTERVALS IN ACCORDANCE WITH APPLICABLE PLUMBING CODES

HORIZONTAL TO HORIZONTAL & VERTICAL TO HORIZONTAL DRAIN CHANGES IN DIRECTION SHALL BE 45 DEGREE WYES, LONG SWEEP 90 DEGREE ELBOWS, LONG SWEEP TY'S, 6TH., 8TH. OR 16TH BENDS, APPROVED COMBINATIONS OF THESE OR EQUIVALENT LONG SWEEP FITTINGS. SHORT SWEEPS PERMITTED IN SINGLE BRANCH HORIZONTAL TO VERTICAL CHANGES IN DIRECTION ON 3 INCH OR LARGER.

TRAPS SHALL BE PLACED AS CLOSE AS POSSIBLE TO FIXTURE OUTLET. MAXIMUM VERTICLE DROP FROM FIXTURE OUTLET TO TRAP WEIR IS 24"

INACCESSIBLE TRAPS SHALL NOT HAVE UNIONS, CLEANOUTS OR SLIPJOINTS. ACCESSIBLE TRAPS SHALL BE REMOVABLE WITH UNION IN TRAP SEAL OR HAVE CLEANOUT OPENING SAME SIZE AS TRAP.

ALL HORIZONTAL VENT BRANCH PIPING SHALL BE LOCATED A MINIMUM OF 6" ABOVE THE FLOOD LEVEL OF THE HIGHEST FIXTURE IN THAT BRANCH.

MAXIMUM DISTANCE OF FIXTURE TRAP WEIR TO VENT SHALL BE IN ACCORDANCE WITH ALL APPLICABLE PLUMBING CODES.

PLASTIC PIPING SHALL BE PROTECTED WITH 1/16" (15 GAUGE) STEEL PLATE WHEN PIPE PASSES THRU WOOD MEMBERS LESS THAN 1 1/4 INCHES FROM EDGE OF MEMBER.

NOTE BACK TO BACK HORIZONTAL TO VERTICAL FITTING TO BE LONG TURN (DIRECTIONAL) FITTING.

AIR ADMITTANCE VALVES MUST BE IN ACCORDANCE WITH APPLICABLE PLUMBING CODES.

FIRST FLOOR FIXTURES SHALL CONNECT INTO HORIZONTAL BUILDING DRAIN MORE THAN 10 PIPE DIAMETERS DOWNSTREAM OF STACK BASE & NOT CONNECT INTO SECOND FLOOR DRAIN STACK.

POTABLE WATER SYSTEM SHALL BE DISINFECTED ON SITE BY SITE BUILDER IN ACCORDANCE WITH APPLICABLE STATE PLUMBING CODES

ISLAND FIXTURE VENTING SHALL NOT BE PERMITTED FOR FIXTURES OTHER THAN SINKS & LAVATORIES. (SEE ISLAND DETAILS)

ANTISIPHONING DEVICE, VACUUM BREAKERS & AIR GAPS: FOR WATER DISTRIBUTION SYSTEMS "PROTECTION OF POTABLE WATER SUPPLY.

A.– WATER HEATER LOCATED @ OR ON LIVING SPACE LEVEL. MUST HAVE A ANTISIPHONING DEVICE INSTALLED.

B.– CLOTHES WASHER (IF NOT BUILT IN TO THE APPLIANCE) MUST HAVE AN ANTISIPHONING DEVICE INSTALLED.

WATER HAMMER ARRESTORS SHALL BE INSTALLED WHERE QUICK CLOSING VALVES ARE UTILIZED. IE WASHING MACHINES.

WOOD–FRAMED STRUCTURAL MEMBERS MAY BE DRILLED, NOTCHED OR ALTERED PER SECTION P2603.

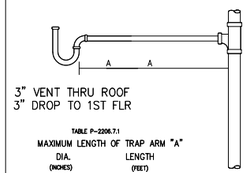


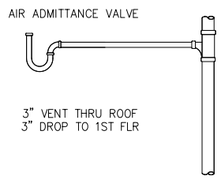
TABLE P–2206.7.1
MAXIMUM LENGTH OF TRAP ARM "A"

DIA. (INCHES)	LENGTH (FEET)
1–1/4	5
1–1/2	6
2	8
3	12
4	16

ALLOWABLE FALL IN TRAP ARM: THE TOTAL FALL IN TRAP ARM DUE TO PIPE SLOPE SHALL NOT EXCEED ONE PIPE DIAMETER, NOR SHALL THE VENT PIPE CONNECTION TO A FIXTURE DRAIN, EXCEPT FOR WATER CLOSETS AND SIMILAR FIXTURES, BE BELOW THE WEIR OF THE TRAP.

VERTICAL LEG FOR WASTE FIXTURE DRAINS: A VERTICAL LEG MAY BE INSTALLED IN THE TRAP ARM OF A WASTE–FIXTURE DRAIN IN LIEU OF THE USUAL TRAP ARM TO VENT CONNECTION. TYPICAL INSTALLATIONS INCLUDE ISLAND SINKS AND FIXTURES NOT ADJACENT TO A WALL. VERTICAL LEG TRAP ARM INSTALLATIONS SHALL MEET THE FOLLOWING CRITERIA:

1. MINIMUM TRAP DIAMETER SHALL MEET CODES
2. THE DIAMETER OF SECTION "A" SHALL BE EQUAL TO THE DIAMETER OF THE TRAP.
3. THE LENGTH OF SECTION "A" SHALL BE NOT LESS THAN 8" AND IN ACCORDANCE WITH TABLE P–2206.7.1.
4. BENDS SHALL BE THE DIAMETER OF THE LARGEST CONNECTED SECTION.

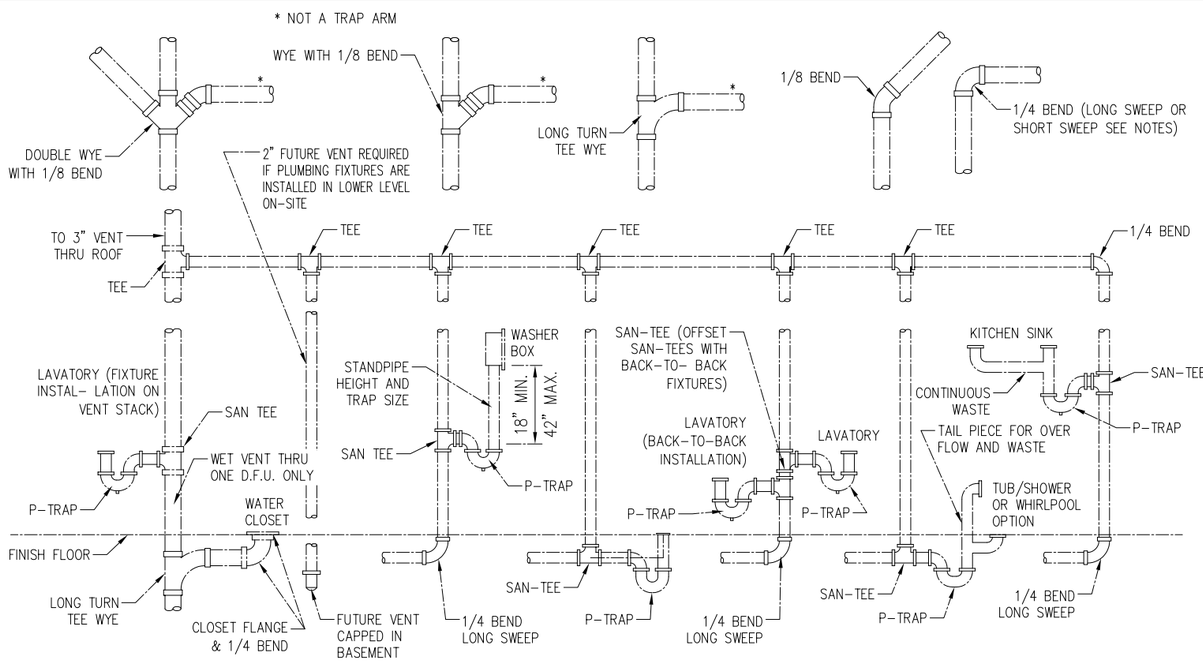


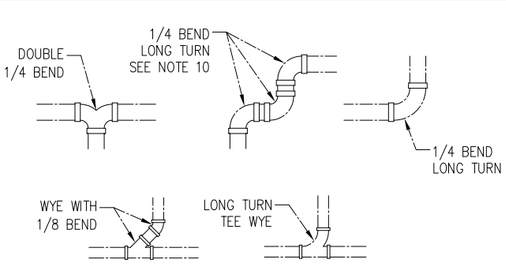
ISLAND SINK TRAP
SEE NOTE # 19

NOTES:

–ALL PLUMBING DETAILS ON THIS PAGE ARE FOR REFERENCE ONLY, VERIFY PLUMBING CODE PER STATE AND LOCAL. (SEE COVER SHEET)

–FOR GENERAL NOTES SEE PAGE 12





P.E. SEAL:

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717–354–3278
FAX: 717–354–0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID E. BILLINGSLEY, P.E.
NY. LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@jdeaconinc.com

CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD. RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

DRAWN BY: NKG
DATE: 02/02/21
SCALE: NTS
CHECKED BY: LDZ

FILE: CC–731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: PLUMBING DETAILS & NOTES
SHEET: 6B

PROVIA WINDOW SCHEDULE

BUILDER / MANUFACTURER TO VERIFY ALL WINDOW ROUGH OPENINGS PRIOR TO CONSTRUCTION

CALL OUT	MFGR	R.O.			AREA	LIGHT	VENT	U VALUE	DP RATING	SHGC
PV 2436	PROVIA DOUBLE HUNG	24	x	36	6.00	3.5	1.36	0.26	DP50	0.27
PV 3048	PROVIA DOUBLE HUNG	30	x	48	10.00	6.66	2.83	0.26	DP50	0.27
PV 3648	PROVIA DOUBLE HUNG	36	x	48	12.00	8.36	3.51	0.26	DP50	0.27
PV 3060	PROVIA DOUBLE HUNG	30	x	60	12.50	8.6	3.86	0.26	DP50	0.27
PV 3860	PROVIA DOUBLE HUNG	38	x	60	15.83	11.76	5.73	0.26	DP50	0.27
PV 5860-2	PROVIA DOUBLE HUNG	57.63	x	60	24.01	16.42	7.22	0.26	DP50	0.27
PV 6048-2	PROVIA DOUBLE HUNG	59.63	x	48	19.88	13.32	5.66	0.26	DP50	0.27
PV 7260-2	PROVIA DOUBLE HUNG	71.63	x	60	29.85	23.93	10.34	0.26	DP50	0.27
PV 9048-3	PROVIA DOUBLE HUNG	89.25	x	48	29.75	19.98	8.49	0.26	DP50	0.27
PV 10860-3	PROVIA DOUBLE HUNG	107.25	x	60	44.69	37.04	15.89	0.26	DP50	0.27
PV 11460-3	PROVIA DOUBLE HUNG	113.25	x	60	47.19	35.28	17.19	0.26	DP50	0.27
PV 3036 CSM1	PROVIA CASEMENT	30	x	36	7.50	5.36	5.36	0.22	DP50	0.18
PV 3048 CSM1	PROVIA CASEMENT	30	x	48	10.00	7.44	7.44	0.22	DP50	0.18
PV 6048-2 CSM1	PROVIA CASEMENT	59.63	x	48	19.88	14.88	14.88	0.22	DP50	0.18
VISTA GLASS (26')	(6) PROVIA TRAPEZOIDS	N/A	x	N/A	62.84	51.46	0	0.28	DP50	0.23
VISTA GLASS (28')	(6) PROVIA TRAPEZOIDS	N/A	x	N/A	78.42	65.18	0	0.28	DP50	0.23
VISTA GLASS (30')	(6) PROVIA TRAPEZOIDS	N/A	x	N/A	95.60	80.98	0	0.28	DP50	0.23

EXTERIOR DOOR SCHEDULE

BUILDER / MANUFACTURER TO VERIFY ALL DOOR ROUGH OPENINGS PRIOR TO CONSTRUCTION

CALL OUT	MFGR / SERIES	R.O.			AREA	LIGHT	VENT	U VALUE	SHGC
PV 3680-6P	PROVIA 6-PANEL SOLID	38.25	x	82.00	21.8	0.0	19.3	0.14	0.01
PV 3680-9L	PROVIA 9-LITE GLASS	38.25	x	82.00	21.8	5.0	19.3	0.19	0.08
PV 3680-15L	PROVIA 15-LITE GLASS	38.25	x	82.00	21.8	9.0	19.3	0.23	0.15
PV 3680-OVL	PROVIA OVAL GLASS	38.25	x	82.00	21.8	0.0	19.3	0.21	0.12
PV 3680-6L	PROVIA 6-LITE UPPER GLASS	38.25	x	82.00	21.8	2.2	19.3	0.20	0.06
PV 3680-6L-DSL	PROVIA 6-LITE DUAL SIDELITES	68.75	x	82.00	39.1	8.2	19.3	0.20	0.06
PV 7280-FRENCH SA	PROVIA SGL-ACTIVE FRENCH	74.25	x	82.00	42.3	18.1	19.3	0.23	0.15
PV 7280-FRENCH DA	PROVIA DBL-ACTIVE FRENCH	74.75	x	82.00	42.6	18.1	38.5	0.23	0.15
PV 7280-PATIO	PROVIA PATIO	71.50	x	80.00	39.7	27.7	15.6	0.25	0.25
PV 9680-PATIO	PROVIA PATIO	95.00	x	80.00	52.8	39.2	21.7	0.25	0.25
PV 10480-PATIO	PROVIA PATIO	104.00	x	80.00	57.8	41.6	15.6	0.25	0.25
PV3680-9L MB	PROVIA HALF GL. MINI BLINDS	38.00	x	82.00	21.6	0.0	19.3	0.25	0.14
PV3680-15L MB	PROVIA FULL GL. MINI BLINDS	38.00	x	82.00	21.6	0.0	0.0	0.33	0.26
PV 7280-FRENCH SA MB	PROVIA FRENCH SA MINI BLINDS	74.25	x	82.00	42.3	18.1	19.3	0.33	0.26
PV 7280-FRENCH DA MB	PROVIA FRENCH DA MINI BLINDS	74.75	x	82.00	42.6	18.1	38.5	0.33	0.26
PV 7280-PATIO MB	PROVIA PATIO MINI BLINDS	71.50	x	80.00	39.7	27.7	15.6	0.29	0.24

INTERIOR DOOR SCHEDULE

BUILDER / MANUFACTURER TO VERIFY ALL DOOR ROUGH OPENINGS PRIOR TO

TAG	CALL OUT	MFGR	R.O.			AREA
18	HINGED 1/6	STALLION	20	x	82.5	11.5
24	HINGED 2/0	STALLION	26	x	82.5	14.9
28	HINGED 2/4	STALLION	30	x	82.5	17.2
30	HINGED 2/6	STALLION	32	x	82.5	18.3
32	HINGED 2/8	STALLION	34	x	82.5	19.5
36	HINGED 3/0	STALLION	38	x	82.5	21.8
24	BIFOLD 2/0	STALLION	25.75	x	82.5	14.8
30	BIFOLD 2/6	STALLION	31.75	x	82.5	18.2
36	BIFOLD 3/0	STALLION	37.75	x	82.5	21.6
48	DBL. BIFOLD 2/0	STALLION	49.5	x	82.5	28.4
60	DBL. BIFOLD 2/6	STALLION	37.5	x	82.5	21.5
72	DBL. BIFOLD 3/0	STALLION	73.5	x	82.5	42.1
48	BI-PASS 4/0	STALLION	48	x	83.75	27.9
60	BI-PASS 5/0	STALLION	60	x	83.75	34.9
72	BI-PASS 6/0	STALLION	72	x	83.75	41.9
24	POCKET 2/0	STALLION	49.75	x	84.5	29.2
30	POCKET 2/6	STALLION	61.75	x	84.5	36.2
28	POCKET 2/8	STALLION	65.75	x	84.5	38.6
36	POCKET 3/0	STALLION	73.75	x	84.5	43.3

CALLOUT SUFFIXES

THE FOLLOWING SUFFIXES MAY BE APPENDED TO A CALLOUT TO SIGNIFY THE SPECIFICATIONS AS LISTED:

EGR = MEETS EGRESS REQUIREMENTS
PG = PRAIRIE GRID STYLE
NG = NO GRIDS
TG = TOP GRIDS

GENERAL NOTES:

1. WINDOWS, SKYLIGHTS, AND DOORS OF EQUAL OR BETTER "U" AND INFILTRATION VALUES, AND MANUFACTURED BY OTHER THAN SHOWN, MAY BE SUBSTITUTED. AIR INFILTRATION VALUES MUST COMPLY WITH THE MAXIMUM ALLOWABLE INFILTRATION RATES AND "U" VALUES, IF NOT CERTIFIED BY ACCREDITED LABORATORY IN ACCORDANCE WITH NFRC 100.
2. WINDOW AREA OF HABITABLE SPACE (SLEEPING AREAS, LIVING, DINING, INCLUDING KITCHEN/DINING IF NO OTHER DINING AREAS ARE PROVIDED) SHALL BE 8% OF THE FLOOR AREA FOR NATURAL LIGHT WITH 4% OPENING FOR VENTILATION MINIMUM. KITCHENETTES, BATHROOMS, AND TOILET ROOMS MAY BE PROVIDED WITH MECHANICAL VENTILATION ONLY, OR PROVIDED WITH NATURAL VENTILATION WITH AN OPENABLE AREA OF 4% MIN EXCEPT THAT THE MIN AREA SHALL NOT BE LESS THAN 1 ½ SQ.FT. FOR BATHROOMS OR TOILET ROOMS AND NOT LESS THEN 3 SQ.FT. FOR KITCHENETTES.
3. DOORS, VENTS, AND OPENINGS IN EXTERIOR OR INTERIOR TENANT SEPARATION WALLS, STAIR AND GARAGE SEPARATION WALLS, SKYLIGHTS, RIDGE VENTS, LOUVERS OR OPENINGS PASSING THROUGH A FIRE RATED CEILING IN A STAIRS OR GARAGE SHALL BE ¾ HR. MN. FIRE RATED AND BE SELF CLOSING OR HAVE A 1 HR. MIN. OPENING PROTECTION.
4. EGRESS WINDOWS SHALL HAVE A NET CLEAR OPENING OF 5 SQ.FT. AT GRADE LEVEL FLOORS AND 5.7 SQ.FT. FOR ALL OTHER FLOORS. ALL EGRESS WINDOWS SHALL HAVE A NET CLEAR OPENING OF 24" HIGH, 20" WIDE AND A MAXIMUM SILL HEIGHT OF 44" ABOVE THE FINISHED FLOOR. WINDOWS MUST MEET EGRESS BY NORMAL OPERATION. THE REMOVAL OF SASH, TILTING/TWISTING SASH, SNAP AWAY HARDWARE ETC. TO MEET EGRESS REQUIREMENTS IS NOT PERMITTED.
5. ALL JOINTS, CONNECTIONS, AND PENETRATIONS BETWEEN CONDITIONED SPACE AND UNCONDITIONED OR OUTSIDE SPACE MUST BE SEALED. CAULKING AND SEALANTS IN THE EXTERIOR ENVELOPE MUST BE IN COMPLIANCE WITH 2020 RCNYS.

P.E. SEAL:

STATE OF NEW YORK · DAVID E BILLINGSLEY · LICENSED PROFESSIONAL ENGINEER · 086250

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID E. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@jlesconc.com

CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

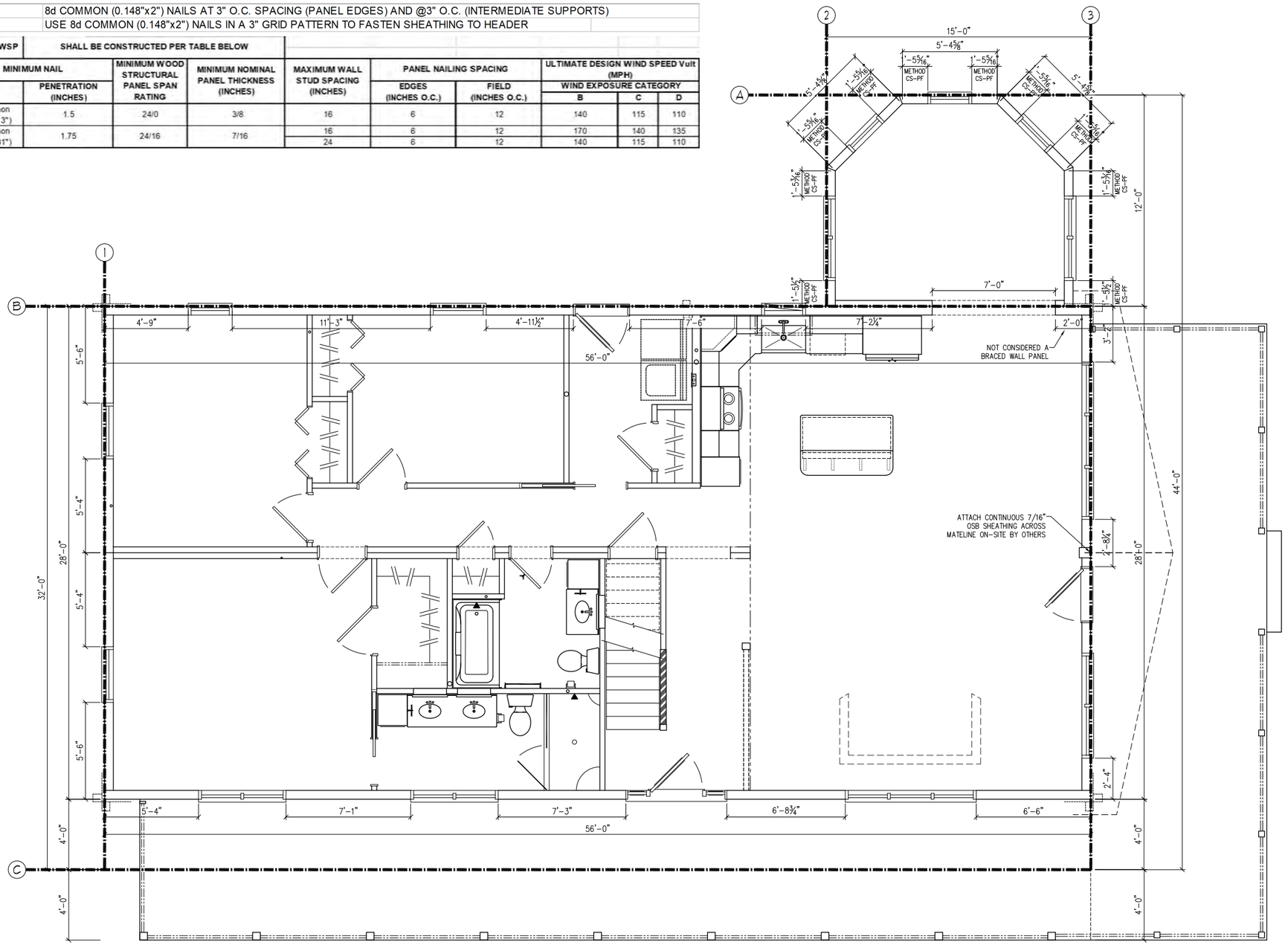
DRAWN BY: NKG
DATE: 02/02/21
SCALE: NTS
CHECKED BY: LDZ

FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: WINDOW & DOOR SCHEDULE
SHEET: 10

CS-PF	8d COMMON (0.148"x2") NAILS AT 3" O.C. SPACING (PANEL EDGES) AND @3" O.C. (INTERMEDIATE SUPPORTS)
	USE 8d COMMON (0.148"x2") NAILS IN A 3" GRID PATTERN TO FASTEN SHEATHING TO HEADER

CS-WSP / WSP	SHALL BE CONSTRUCTED PER TABLE BELOW

MINIMUM NAIL		MINIMUM WOOD STRUCTURAL PANEL SPAN RATING	MINIMUM NOMINAL PANEL THICKNESS (INCHES)	MAXIMUM WALL STUD SPACING (INCHES)	PANEL NAILING SPACING		ULTIMATE DESIGN WIND SPEED Vult (MPH)		
SIZE	PENETRATION (INCHES)				EDGES (INCHES O.C.)	FIELD (INCHES O.C.)	WIND EXPOSURE CATEGORY		
							B	C	D
6d Common (2.0"x0.113")	1.5	24/0	3/8	16	6	12	140	115	110
8d Common (2.5"x0.131")	1.75	24/16	7/16	16	6	12	170	140	135
				24	6	12	140	115	110



CODE	2018 IRC
# STORIES	2
SEISMIC DESIGN CATEGORY	C
WIND SPEED (3 SEC GUST)	115 mph
WIND EXPOSURE	C
EAVE TO RIDGE HEIGHT	4.00 FT
STORY HEIGHT	8'-1 1/8"
ROOF/CEILING DEAD LOAD	15 PSF
GYP ON I/S OF WALLS	YES

EXTERIOR WALL LINE	BRACED WALL SPACING	BRACED WALL METHOD	TABULATED MIN BRACED WALL TOTAL Table R602.10.3(1)	WIND EXPOSURE FACTOR Table R602.10.3(2)	RIDGE TO EAVE HEIGHT FACTOR Table R602.10.3(2)	STORY HEIGHT FACTOR Table R602.10.3(2)	WALL LINE QTY FACTOR Table R602.10.3(2)	END CONDITION (Applicable to CS-WSP Only)				INTERIOR GYPSUM BOARD FINISH (OR EQUIVALENT)	GYPSUM BOARD FASTENING	MIN BRACED WALL LENGTH REQ'D	WALL PASSES
A	12.00	CS-PF	2.30	1.30	0.85	0.95	1.3	1	Left	1	Right	1.0	1.0	3.1	YES
B	32.00	CS-WSP	9.50	1.30	0.85	0.95	1.3	1	Left	4	Right	1.0	1.0	13.0	YES
C	32.00	CS-WSP	9.50	1.30	0.85	0.95	1.3	1	Left	1	Right	1.0	1.0	13.0	YES
1	56.00	CS-WSP	15.80	1.30	0.85	0.95	1.0	1	Top	1	Bottom	1.0	1.0	16.6	YES
2	15.00	CS-PF	2.75	1.30	0.85	0.95	1.0	1	Top	1	Bottom	1.0	1.0	2.9	YES
3	56.00	CS-WSP	15.80	1.30	0.85	0.95	1.0	1	Top	1	Bottom	1.0	1.0	16.6	YES

P.E. SEAL:

STATE OF NEW YORK · DAVID E BILLINGSLEY · LICENSED PROFESSIONAL ENGINEER · 086250

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID E. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glencoinc.com

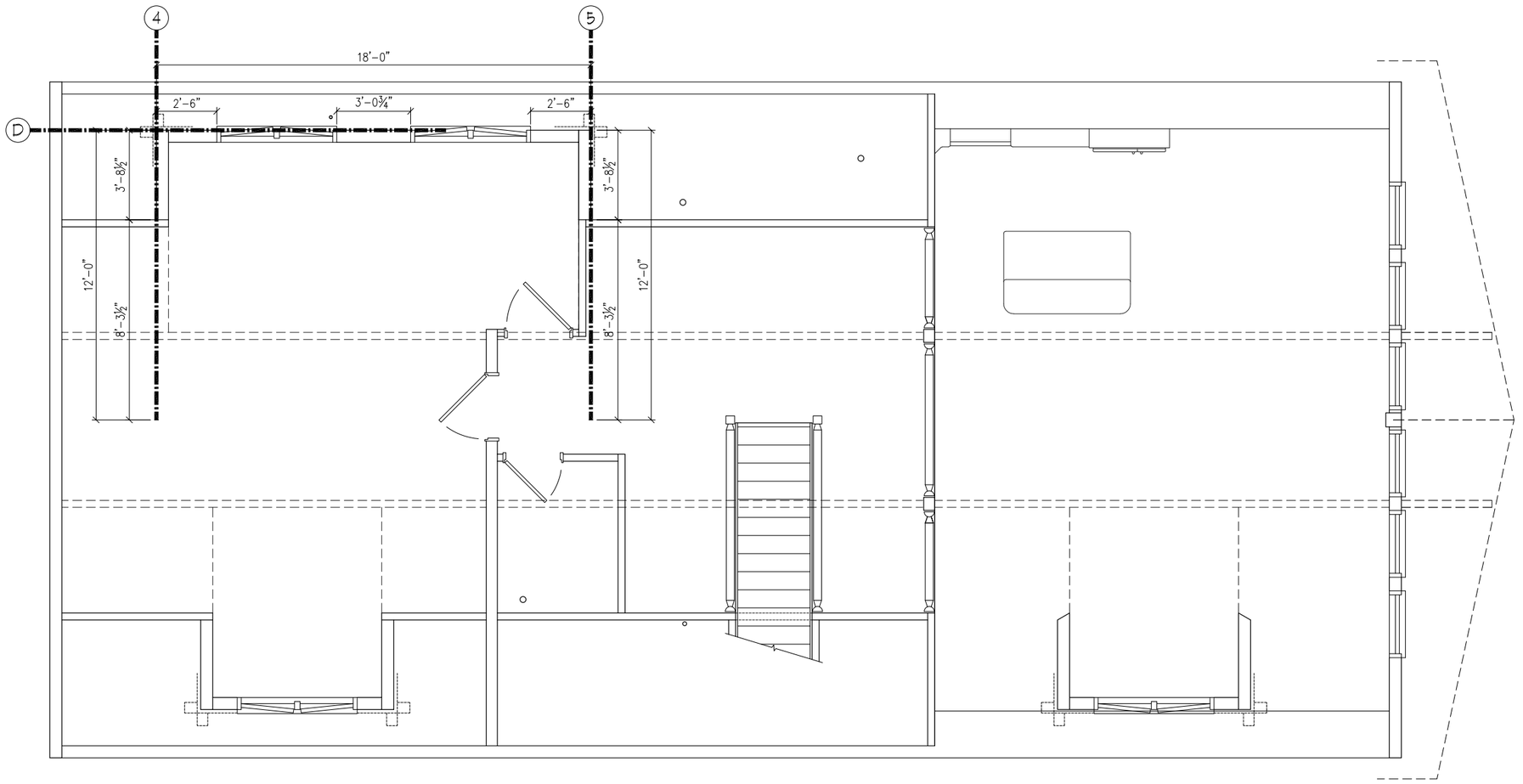
CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY/RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD, RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

DRAWN BY: NKG
DATE: 02/02/21
SCALE: 5/32"=1'-0"
CHECKED BY: LDZ

FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: 1ST STORY BRACED WALL PLAN
SHEET: 11



CODE		2018 IRC
# STORIES		2
SEISMIC DESIGN CATEGORY		C
WIND SPEED (3 SEC GUST)		115 mph
WIND EXPOSURE		C
EAVE TO RIDGE HEIGHT		4.00 FT
STORY HEIGHT		7'-6 1/4"
ROOF/CEILING DEAD LOAD		15 PSF
GYP ON I/S OF WALLS		YES

CS-WSP / WSP	SHALL BE CONSTRUCTED PER TABLE BELOW								
MINIMUM NAIL		MINIMUM WOOD STRUCTURAL PANEL SPAN RATING	MINIMUM NOMINAL PANEL THICKNESS (INCHES)	MAXIMUM WALL STUD SPACING (INCHES)	PANEL NAILING SPACING		ULTIMATE DESIGN WIND SPEED Vult (MPH)		
SIZE	PENETRATION (INCHES)				EDGES (INCHES O.C.)	FIELD (INCHES O.C.)	WIND EXPOSURE CATEGORY		
							B	C	D
6d Common (2.0"x0.113")	1.5	24/0	3/8	16	6	12	140	115	110
8d Common (2.5"x0.131")	1.75	24/16	7/16	16	6	12	170	140	135
				24	6	12	140	115	110

EXTERIOR WALL LINE	BRACED WALL SPACING	BRACED WALL METHOD	TABULATED MIN BRACED WALL TOTAL Table R602.10.3(1)	WIND EXPOSURE FACTOR Table R602.10.3(2)	RIDGE TO EAVE HEIGHT FACTOR Table R602.10.3(2)	STORY HEIGHT FACTOR Table R602.10.3(2)	WALL LINE QTY FACTOR Table R602.10.3(2)	END CONDITION (Applicable to CS-WSP Only)				INTERIOR GYPSUM BOARD FINISH (OR EQUIVALENT)	GYPSUM BOARD FASTENING	MIN BRACED WALL LENGTH REQ'D	WALL PASSES
D	12.00	CS-WSP	2.30	1.30	0.70	0.90	1.0	1	Left	1	Right	1.0	1.0	1.9	YES
4	18.00	WSP	3.20	1.30	0.70	0.90	1.0					1.0	1.0	2.6	YES
5	18.00	WSP	3.20	1.30	0.70	0.90	1.0					1.0	1.0	2.6	YES

P.E. SEAL:

STATE OF NEW YORK · DAVID E BILLINGSLEY · LICENSED PROFESSIONAL ENGINEER · 086250

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID E. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glencoinc.com

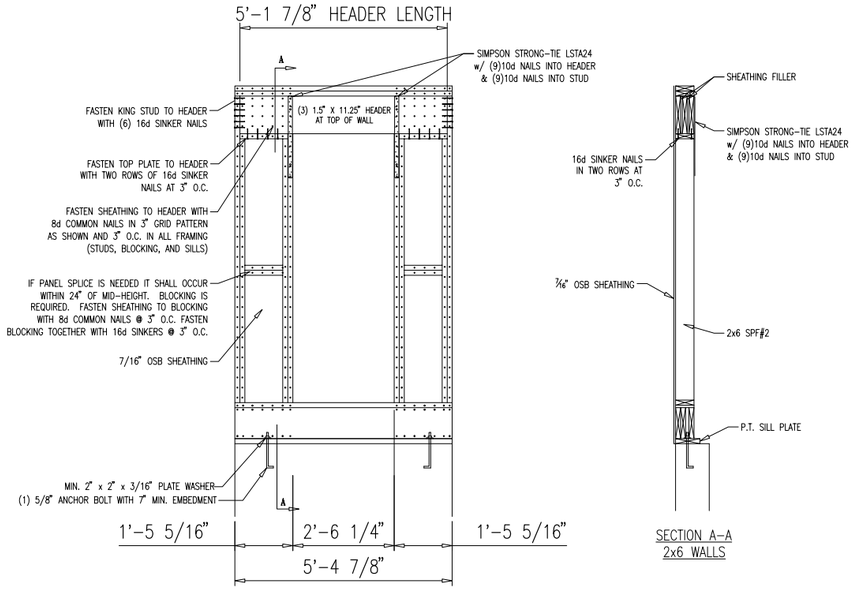
CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD, RT 372
ATGLEN, PA 19310

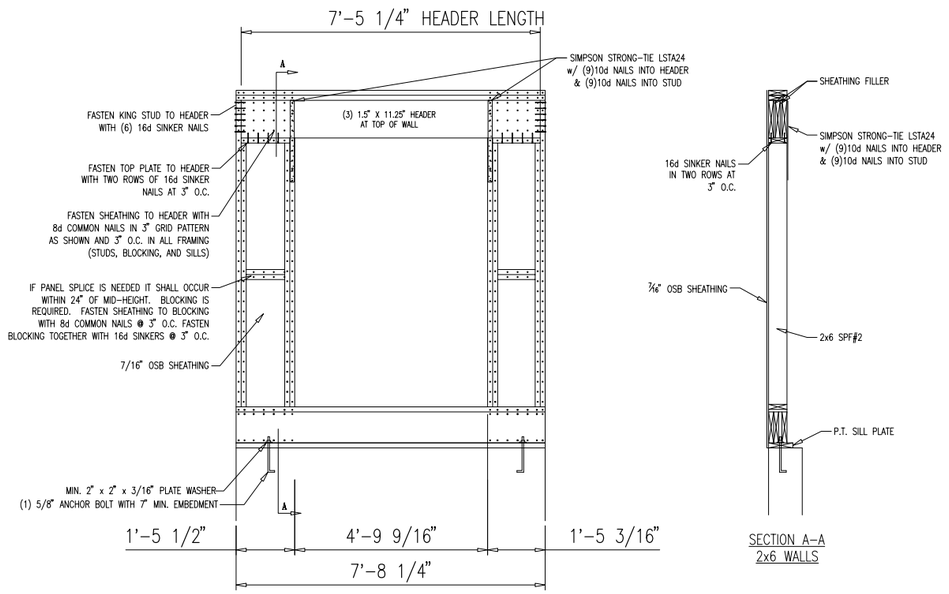
REV#	DATE	REVISIONS	BY

DRAWN BY: NKG
DATE: 02/02/21
SCALE: 5/32"=1'-0"
CHECKED BY: LDZ

FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: 2ND STORY BRACED WALL PLAN
SHEET: 11A



CONTINUOUS PORTAL FRAME - CS-PF



CONTINUOUS PORTAL FRAME - CS-PF

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID R. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glsassoc.com

CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY/RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD, RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

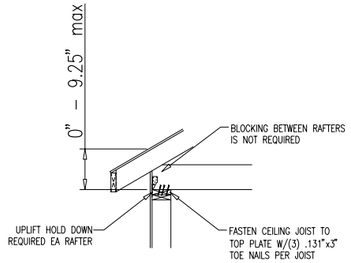
DRAWN BY: NKG
DATE: 02/02/21
SCALE: NTS
CHECKED BY: LDZ

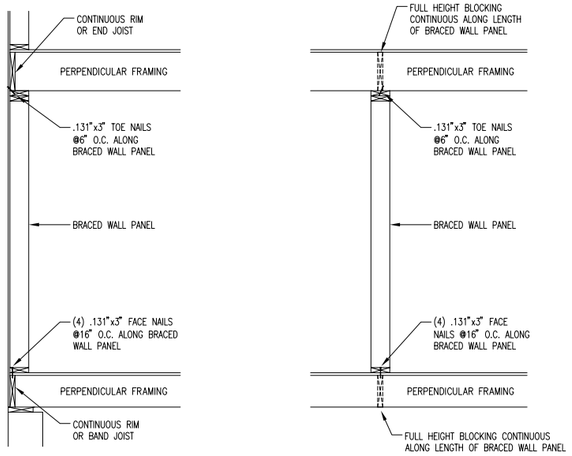
FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: BRACED WALL DETAILS
SHEET: 11B

P.E. SEAL:

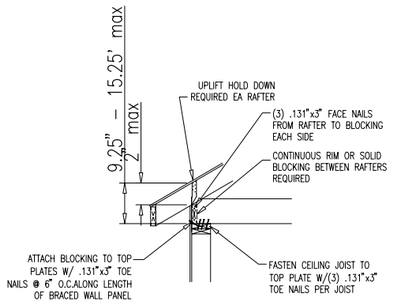
03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

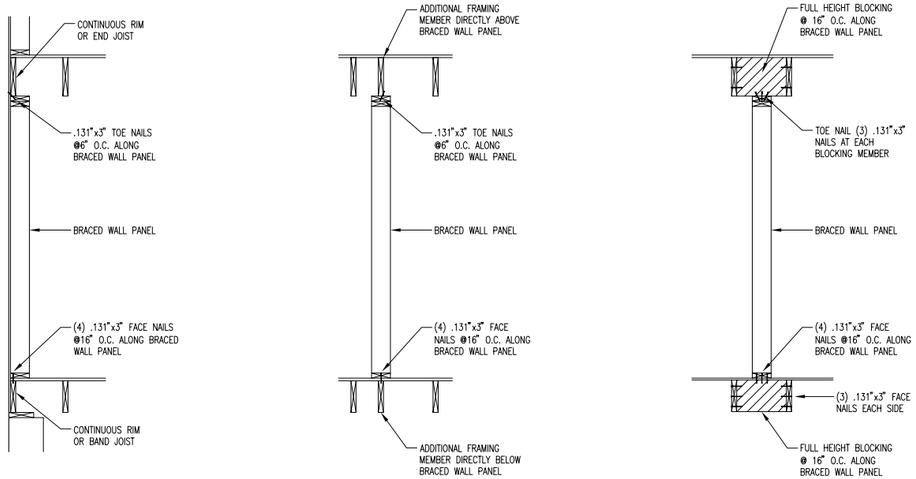




2020 RESIDENTIAL CODE OF NEW YORK STATE FIGURE R602.10.8(1)
BRACED WALL CONNECTION WHEN PERPENDICULAR TO FLOOR/CEILING FRAMING



TRUSS/RAFTER TO BRACED WALL ATTACHMENT
(SEISMIC DESIGN CAT. A, B, & C)



2020 RESIDENTIAL CODE OF NEW YORK STATE FIGURE R602.10.8(2)
BRACED WALL CONNECTION WHEN PARALLEL TO FLOOR/CEILING FRAMING

P.E. SEAL:

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID R. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glencoinc.com

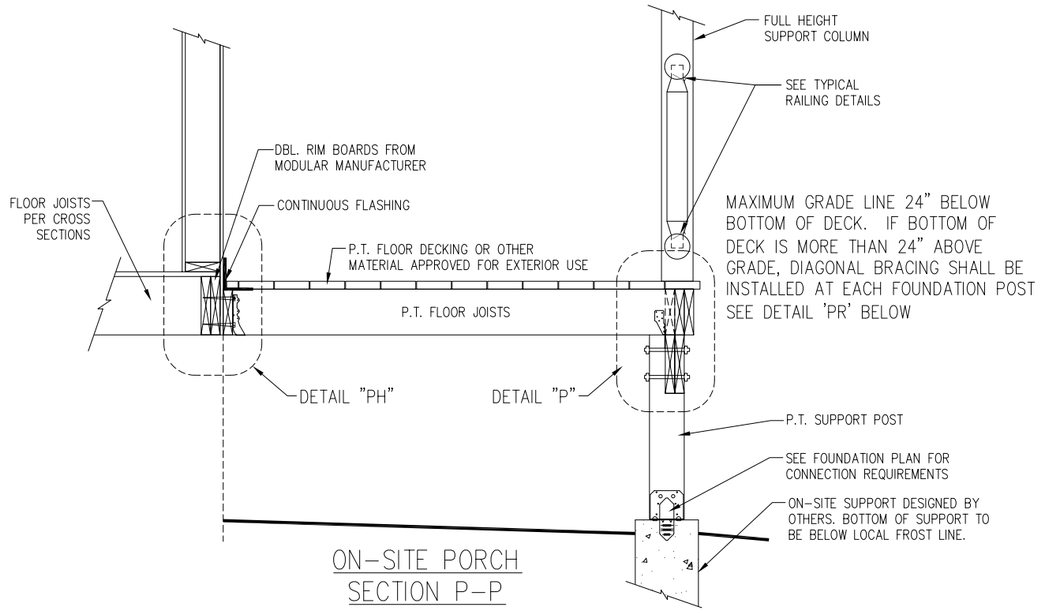
CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY/RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

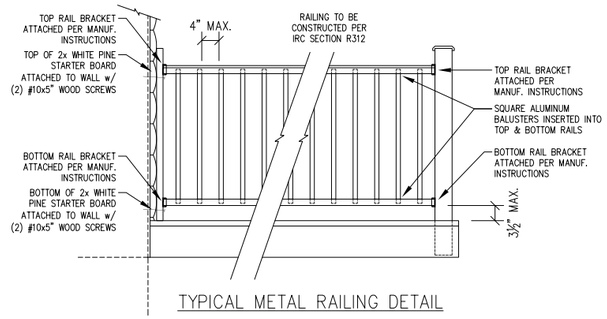
DRAWN BY: NKG
DATE: 02/02/21
SCALE: NTS
CHECKED BY: LDZ

FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: BRACED WALL DETAILS
SHEET: 11C

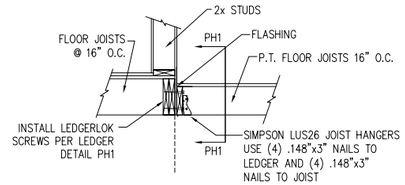


MAXIMUM GRADE LINE 24" BELOW BOTTOM OF DECK. IF BOTTOM OF DECK IS MORE THAN 24" ABOVE GRADE, DIAGONAL BRACING SHALL BE INSTALLED AT EACH FOUNDATION POST SEE DETAIL 'PR' BELOW

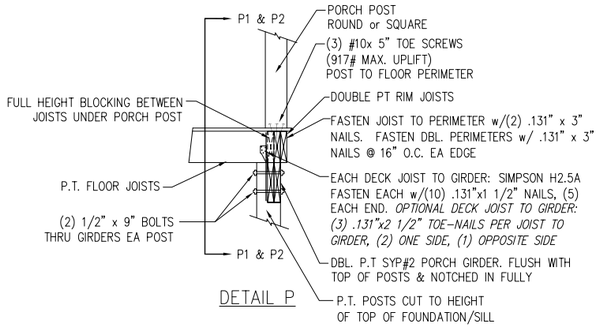
ON-SITE PORCH SECTION P-P



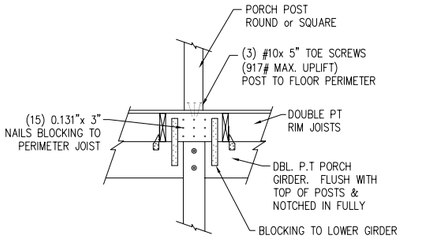
TYPICAL METAL RAILING DETAIL



DETAIL PH

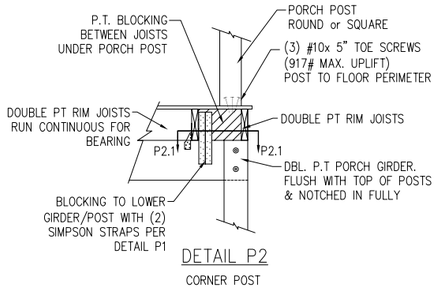


DETAIL P



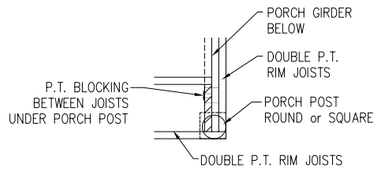
DETAIL P1

INTERMEDIATE POSTS



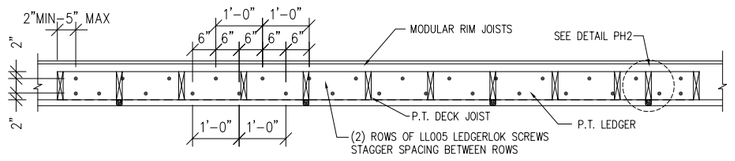
DETAIL P2

CORNER POST

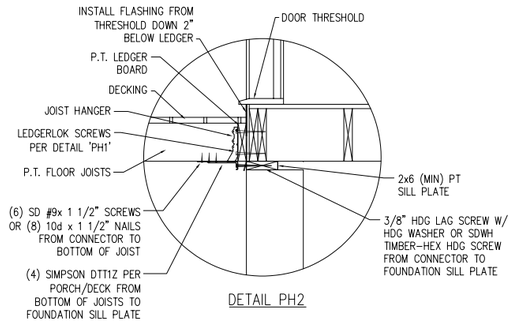


DETAIL P2.1

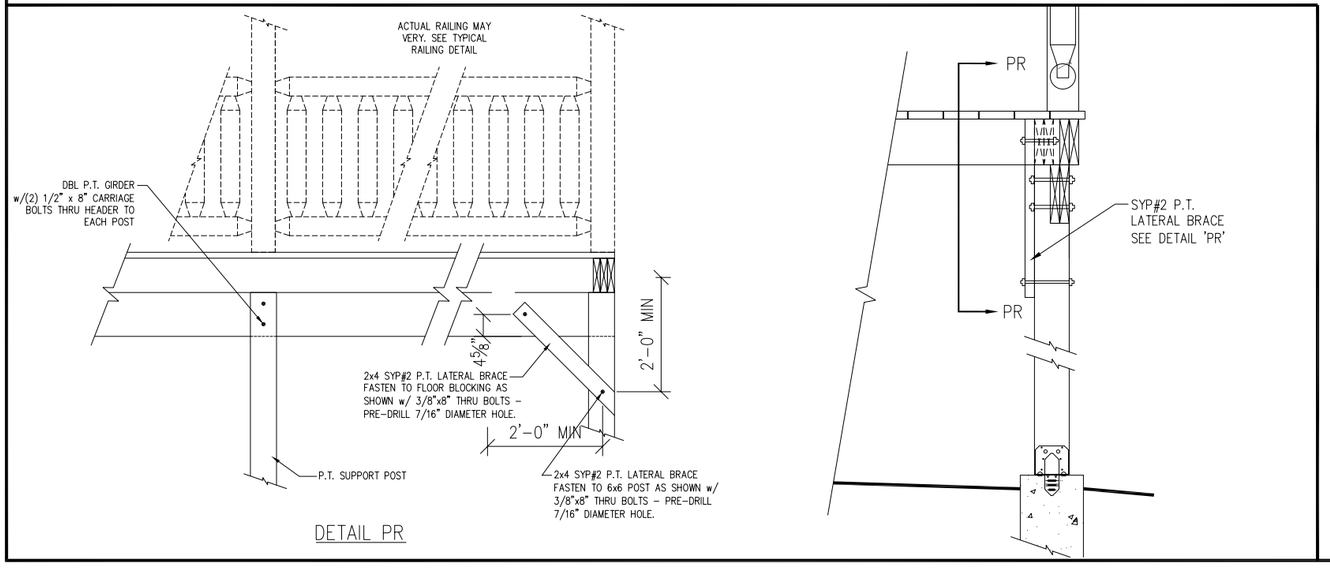
SEE DETAILS "P, P1 & P2" FOR ADDITIONAL CONNECTIONS



DETAIL PH1



DETAIL PH2



DETAIL PR

NOTES:

1. ALL EXPOSED LUMBER TO BE OF NATURALLY DURABLE WOOD OR WOOD THAT IS PRESERVATIVE-TREATED IN ACCORDANCE WITH AWPA U1. PRESERVATIVES SHALL BE LISTED IN SECTION 4 OF AWPA U1.
2. ALL LUMBER THAT IS IN CONTACT WITH CONCRETE OR THE GROUND MUST BE APPROVED PRESSURE-PRESERVATIVE-TREATED WOOD SUITABLE FOR GROUND CONTACT USE.
3. ALL SUPPORT COLUMNS SHALL BE APPROVED WOOD OF NATURAL DECAY RESISTANCE OR APPROVED PRESSURE-PRESERVATIVE-TREATED WOOD.
4. ALL FIELD CUT ENDS, NOTCHES, DRILLED HOLES OF PRESERVATIVE-TREATED WOOD SHALL BE TREATED IN THE FIELD IN ACCORDANCE WITH AWPA M4.
5. ALL NAILS USED IN THE CONSTRUCTION OF PORCHES AND DECKS SHALL BE THREADED AND MEET THE REQUIREMENTS OF ASTM F 1667. THREADED NAILS AS STATED IN THIS DOCUMENT INCLUDE HELICAL (SPIRAL) AND ANNULAR (RINK SHANK) NAILS. WOOD SCREWS SHALL MEET THE REQUIREMENTS OF ANSI/ASME B18.6.1. BOLTS AND LAG SCREWS SHALL MEET THE REQUIREMENTS OF ANSI/ASME B18.2.1.
6. FLASHING SHALL BE CORROSION-RESISTANT METAL OF A MINIMUM NOMINAL THICKNESS OF 0.019 INCHES OR AN APPROVED NON-METALLIC MATERIAL.
   6.1. ALUMINUM SHOULD NOT BE USED IN DIRECT CONTACT WITH LUMBER TREATED WITH PRESERVATIVES THAT CONTAIN COPPER SUCH AS ACQ, COPPER AZOLE, OR ACZA.
7. ALL SCREWS, BOLTS, NAILS, NUTS AND WASHERS FOR USE WITH PRESERVATIVE TREATED WOOD SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE, OR COPPER. FASTENERS SHALL BE HOT DIPPED GALVANIZED AND SHALL MEET THE REQUIREMENTS OF ASTM A 153, CLASS D FOR FASTENERS 3/8" DIAMETER AND SMALLER, OR CLASS C FOR FASTENERS WITH DIAMETERS OVER 3/8".
8. FASTENERS OTHER THAN NAILS AND TIMBER RIVETS SHALL BE PERMITTED TO BE OF MECHANICALLY DEPOSITED ZINC-COATED STEEL WITH COATING WEIGHTS IN ACCORDANCE WITH ASTM B 695, CLASS 55, MINIMUM.
9. ALL HARDWARE (JOIST HANGERS, CAST-IN-PLACE POST ANCHORS, ETC.) THAT IS EXPOSED TO WEATHER OR IN CONTACT WITH GROUND, CONCRETE OR PRESSURE TREATED LUMBER SHALL BE GALVANIZED OR SHALL BE STAINLESS STEEL. HARDWARE TO BE HOT DIPPED GALVANIZED PRIOR TO FABRICATION SHALL MEET ASTM A 653, G-185 COATING. HARDWARE TO BE HOT DIPPED GALVANIZED AFTER FABRICATION SHALL MEET ASTM A123.
10. FASTENERS AND CONNECTORS EXPOSED TO SALT WATER OR LOCATED WITHIN 300 FEET OF A SALT WATER SHORELINE SHALL BE STAINLESS STEEL GRADE 304 OR 316.
11. ALL OTHER COATED OR NON-FERROUS FASTENERS OR HARDWARE SHALL BE AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
12. HOT-DIPPED ZINC-COATED GALVANIZED STEEL CONNECTORS ARE REQUIRED AT ANY CONNECTIONS INTO CONCRETE
13. FASTENERS AND CONNECTORS INSTALLED IN TREATED LUMBER OTHER THAN MATERIAL WITH A CHEMICAL RETENTION GREATER THAN AWPA OR UC4A SHALL BE STAINLESS STEEL GRADE 304 OR 316.

P.E. SEAL:

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID R. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glsconinc.com

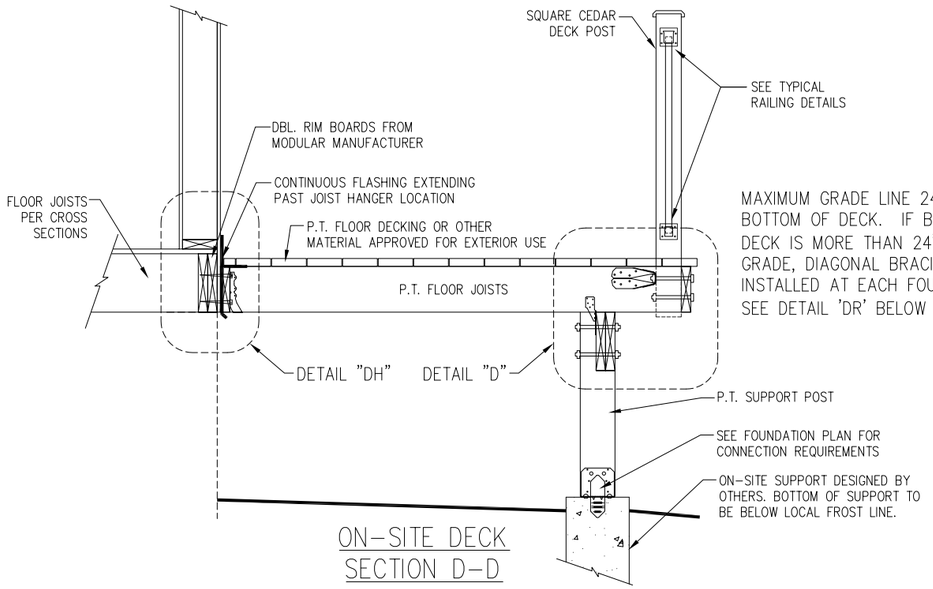
CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY/RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

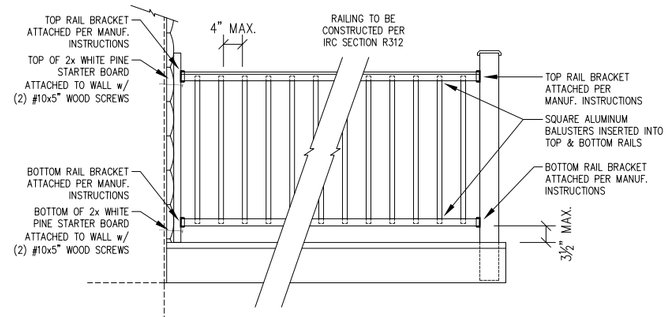
DRAWN BY: NKG
DATE: 02/02/21
SCALE: NTS
CHECKED BY: LDZ

FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: PORCH CONNECTION DETAILS
SHEET: 12

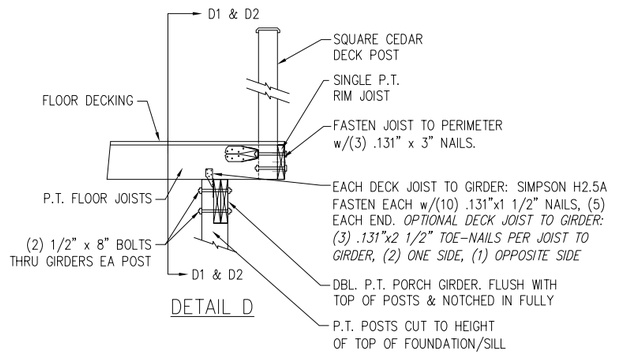


MAXIMUM GRADE LINE 24" BELOW BOTTOM OF DECK. IF BOTTOM OF DECK IS MORE THAN 24" ABOVE GRADE, DIAGONAL BRACING SHALL BE INSTALLED AT EACH FOUNDATION POST SEE DETAIL 'DR' BELOW

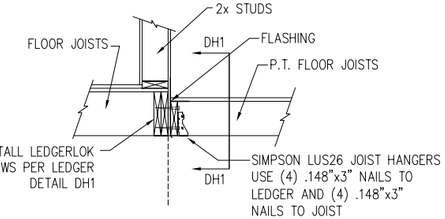
ON-SITE DECK SECTION D-D



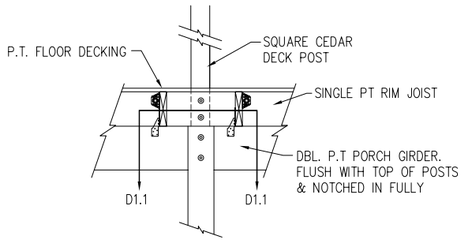
TYPICAL METAL RAILING DETAIL



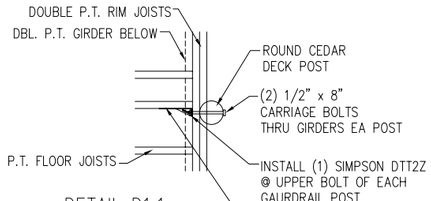
DETAIL D



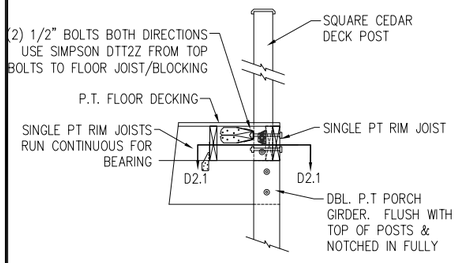
DETAIL DH



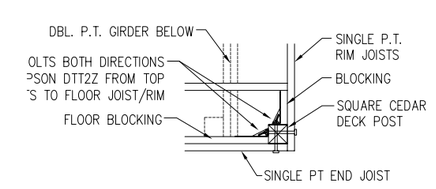
DETAIL D1
INTERMEDIATE POSTS



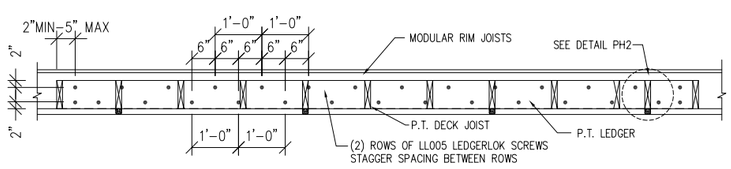
DETAIL D1.1
INTERMEDIATE POSTS
SEE DETAILS "D, D1 & D2" FOR ADDITIONAL CONNECTIONS



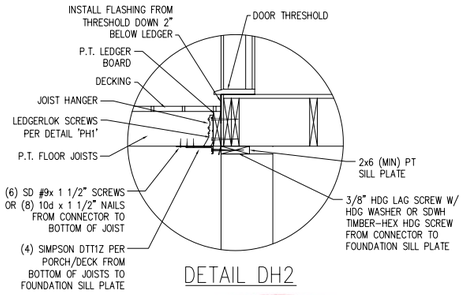
DETAIL D2
CORNER POST



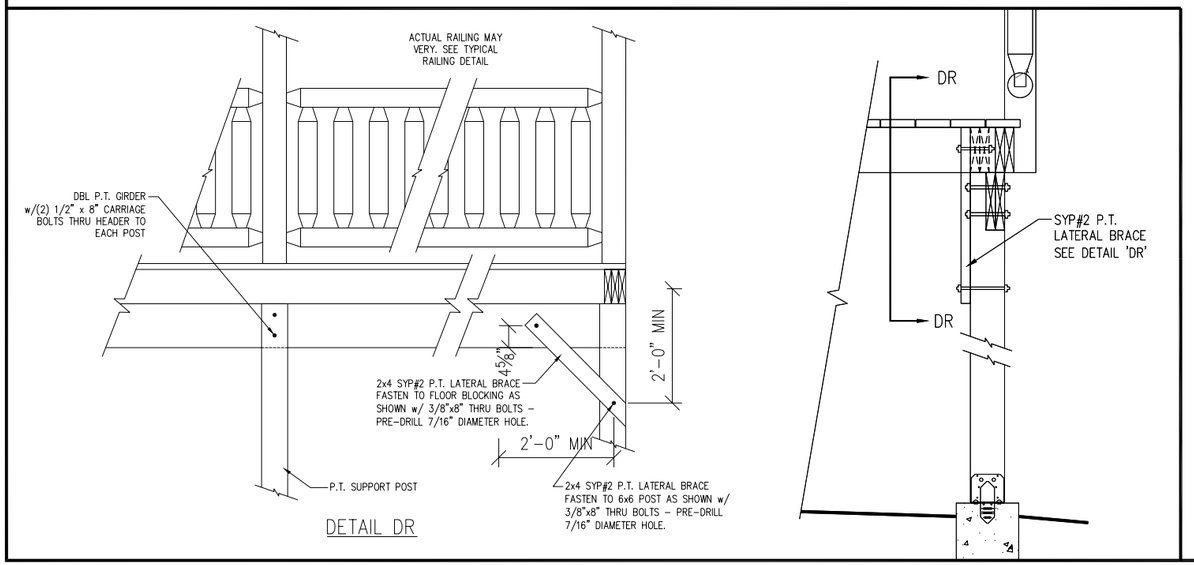
DETAIL D2.1
CORNER POSTS
SEE DETAILS "D, D1 & D2" FOR ADDITIONAL CONNECTIONS



DETAIL DH1



DETAIL DH2



DETAIL DR

NOTES:

1. ALL EXPOSED LUMBER TO BE OF NATURALLY DURABLE WOOD OR WOOD THAT IS PRESERVATIVE-TREATED IN ACCORDANCE WITH AWPA U1. PRESERVATIVES SHALL BE LISTED IN SECTION 4 OF AWPA U1.
2. ALL LUMBER THAT IS IN CONTACT WITH CONCRETE OR THE GROUND MUST BE APPROVED PRESSURE-PRESERVATIVE-TREATED WOOD SUITABLE FOR GROUND CONTACT USE.
3. ALL SUPPORT COLUMNS SHALL BE APPROVED WOOD OF NATURAL DECAY RESISTANCE OR APPROVED PRESSURE-PRESERVATIVE-TREATED WOOD.
4. ALL FIELD CUT ENDS, NOTCHES, DRILLED HOLES OF PRESERVATIVE-TREATED WOOD SHALL BE TREATED IN THE FIELD IN ACCORDANCE WITH AWPA M4.
5. ALL NAILS USED IN THE CONSTRUCTION OF PORCHES AND DECKS SHALL BE THREADED AND MEET THE REQUIREMENTS OF ASTM F 1667. THREADED NAILS AS STATED IN THIS DOCUMENT INCLUDE HELICAL (SPIRAL) AND ANNULAR (RINK SHANK) NAILS. WOOD SCREWS SHALL MEET THE REQUIREMENTS OF ANSI/ASME B18.6.1. BOLTS AND LAG SCREWS SHALL MEET THE REQUIREMENTS OF ANSI/ASME B18.2.1.
6. FLASHING SHALL BE CORROSION-RESISTANT METAL OF A MINIMUM NOMINAL THICKNESS OF 0.019 INCHES OR AN APPROVED NON-METALLIC MATERIAL.
   6.1. ALUMINUM SHOULD NOT BE USED IN DIRECT CONTACT WITH LUMBER TREATED WITH PRESERVATIVES THAT CONTAIN COPPER SUCH AS ACQ, COPPER AZOLE, OR ACZA.
7. ALL SCREWS, BOLTS, NAILS, NUTS AND WASHERS FOR USE WITH PRESERVATIVE TREATED WOOD SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE, OR COPPER. FASTENERS SHALL BE HOT DIPPED GALVANIZED AND SHALL MEET THE REQUIREMENTS OF ASTM A 153, CLASS D FOR FASTENERS 3/8" DIAMETER AND SMALLER, OR CLASS C FOR FASTENERS WITH DIAMETERS OVER 3/8".
8. FASTENERS OTHER THAN NAILS AND TIMBER RIVETS SHALL BE PERMITTED TO BE OF MECHANICALLY DEPOSITED ZINC-COATED STEEL WITH COATING WEIGHTS IN ACCORDANCE WITH ASTM B 695, CLASS 55, MINIMUM.
9. ALL HARDWARE (JOIST HANGERS, CAST-IN-PLACE POST ANCHORS, ETC.) THAT IS EXPOSED TO WEATHER OR IN CONTACT WITH GROUND, CONCRETE OR PRESSURE TREATED LUMBER SHALL BE GALVANIZED OR SHALL BE STAINLESS STEEL. HARDWARE TO BE HOT DIPPED GALVANIZED PRIOR TO FABRICATION SHALL MEET ASTM A 653, G-185 COATING. HARDWARE TO BE HOT DIPPED GALVANIZED AFTER FABRICATION SHALL MEET ASTM A123.
10. FASTENERS AND CONNECTORS EXPOSED TO SALT WATER OR LOCATED WITHIN 300 FEET OF A SALT WATER SHORELINE SHALL BE STAINLESS STEEL GRADE 304 OR 316.
11. ALL OTHER COATED OR NON-FERROUS FASTENERS OR HARDWARE SHALL BE AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
12. HOT-DIPPED ZINC-COATED GALVANIZED STEEL CONNECTORS ARE REQUIRED AT ANY CONNECTIONS INTO CONCRETE
13. FASTENERS AND CONNECTORS INSTALLED IN TREATED LUMBER OTHER THAN MATERIAL WITH A CHEMICAL RETENTION GREATER THAN AWPA OR UC4A SHALL BE STAINLESS STEEL GRADE 304 OR 316.

P.E. SEAL:

03/30/2021

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON,UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

COZY CABINS LLC
455 FARMERSVILLE RD
NEW HOLLAND, PA 17557
PHONE: 717-354-3278
FAX: 717-354-0015
WWW.MYCOZYCABINS.COM

PROFESSIONAL ENGINEER:
DAVID B. BILLINGSLEY, P.E.
NY LICENSE # 86250
217 EAST MAIN STREET
MIDDLEBURG, PA 17842
PHONE: 570-837-0577
FAX: 570-837-0585
EMAIL: david@glencoinc.com

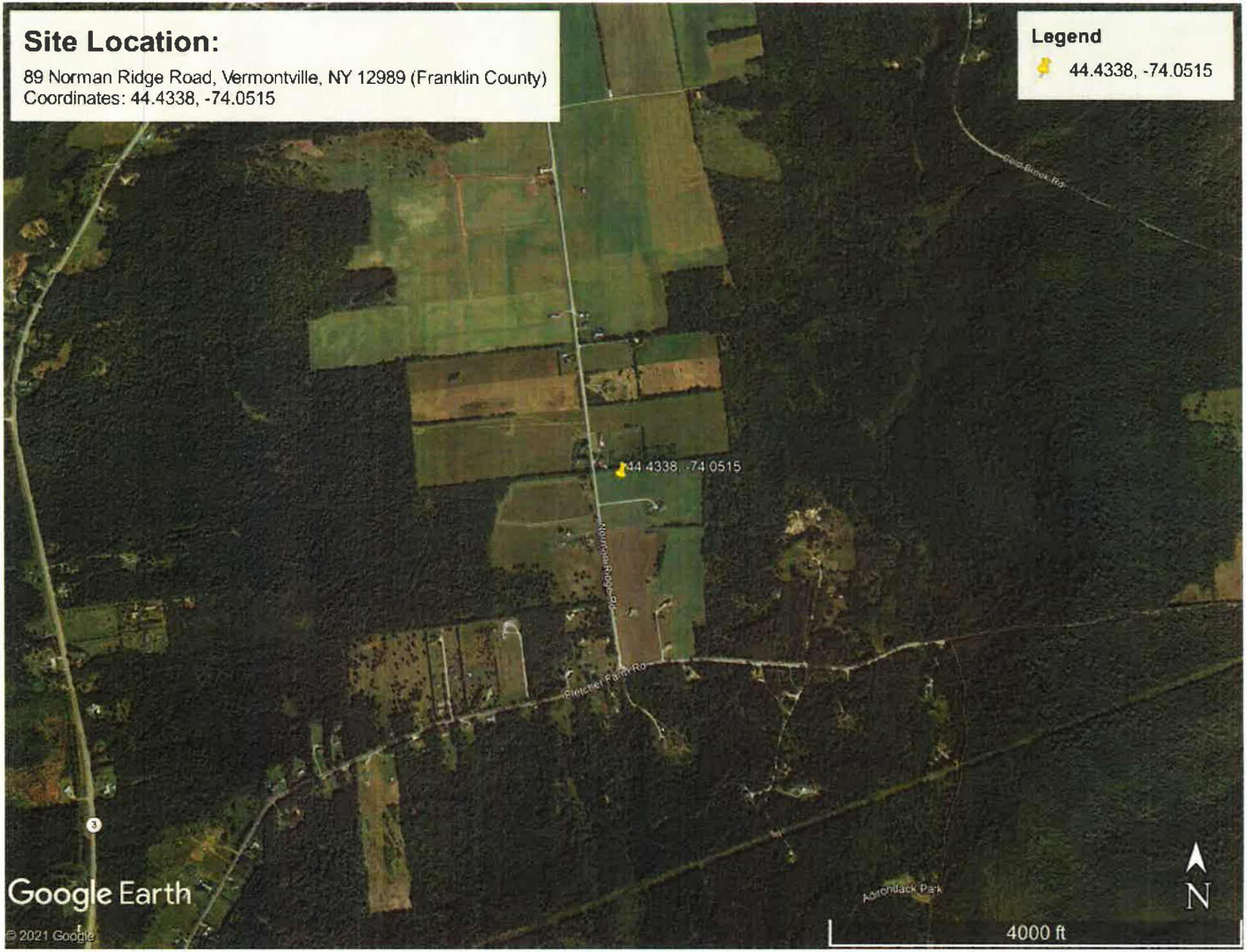
CUSTOMER/PROJECT:
NORMAN RIDGE DISPLAY / RENTAL
89 NORMAN RIDGE ROAD
VERMONTVILLE, NY 12989

BUILDER:
ZOOK CABINS, LLC
5075 LOWER VALLEY RD RT 372
ATGLEN, PA 19310

REV#	DATE	REVISIONS	BY

DRAWN BY: NKG
DATE: 02/02/21
SCALE: NTS
CHECKED BY: LDZ

FILE: CC-731
SQ.FT.: 1,797
STATE: NY
TYPE: CAPE
MODEL: MNTR. DELUXE
DRAWING: DECK CONNECTION DETAILS
SHEET: 12A


Site Location:
89 Norman Ridge Road, Vermontville, NY 12989 (Franklin County)
Coordinates: 44.4338, -74.0515
Legend
44.4338, -74.0515
44.4338, -74.0515
Norman Ridge Rd
Fletcher Farm Rd
Adirondack Park
3
Google Earth
© 2021 Google
N
4000 ft

Warning: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed Professional Engineer, to alter this item in any way.

Generated by RES*check-Web* Software

Compliance Certificate

03/30/2021

Project Norman Ridge Display / Rental (CC-731)

Energy Code:	**2018 IECC**
Location:	**Saranac Lake, New York**
Construction Type:	**Single-family**
Project Type:	**New Construction**
Conditioned Floor Area:	**1,782 ft2**
Glazing Area	**18%**
Climate Zone:	**6 (9071 HDD)**
Permit Date:	
Permit Number:	

Construction Site:
89 Norman Ridge Road
Vermontville, NY 12989

Owner/Agent:
Zook Cabins, LLC
5075 Lower Valley Rd RT 372
Atglen, NY 19310

Designer/Contractor:
Cozy Cabins
455 Farmersville Road
New Holland, PA 17557

Compliance: Passes using UA trade-off

Compliance: **2.4% Better Than Code** Maximum UA: **371** Your UA: **362**

The % Better or Worse Than Code Index reflects how close to compliance the house is based on code trade-off rules.
It DOES NOT provide an estimate of energy use or cost relative to a minimum-code home.

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	U-Factor	UA
Shed Dormer Ceiling: Flat Ceiling or Scissor Truss	198	38.0	0.0	0.030	6
A-Frame Dormer Ceilings: Flat Ceiling or Scissor Truss	128	38.0	0.0	0.030	4
Ceiling: Cathedral Ceiling	1,625	49.0	0.0	0.022	36
Bumpout Ceiling: Raised or Energy Truss	151	49.0	0.0	0.020	3
Front Wall: Wood Frame, 16" o.c.	506	25.0	0.0	0.053	21
Door: PV 3680-6L-DSL: Solid	39			0.200	8
Window: PV 6048-2: Vinyl Frame	20			0.260	5
Window: PV 6048-2: Vinyl Frame	20			0.260	5
Window: PV 9048-3: Vinyl Frame	30			0.260	8
Right Wall: Wood Frame, 16" o.c.	392	25.0	0.0	0.053	12
Door: PV 3680-15L: Glass	22			0.230	5
Window: PV 7260-2: Vinyl Frame	30			0.260	8
Window: Vista Glass (28'): Vinyl Frame	78			0.280	22
Window: PV 10860-3: Vinyl Frame	45			0.260	12
Bumpout Walls: Wood Frame, 16" o.c.	267	25.0	0.0	0.053	10
Window: PV 5860-2: Vinyl Frame	24			0.260	6
Window: PV 3060: Vinyl Frame	12			0.260	3

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	U-Factor	UA
Window: PV 3060: Vinyl Frame	12			0.260	3
Window: PV 3060: Vinyl Frame	12			0.260	3
Window: PV 5860-2: Vinyl Frame	24			0.260	6
Back Wall: Wood Frame, 16" o.c.	380	25.0	0.0	0.053	17
Door: PV 3680-9L: Solid	22			0.190	4
Window: PV 3036 CSMT: Vinyl Frame	8			0.220	2
Window: PV 3860: Vinyl Frame	16			0.260	4
Window: PV 3048: Vinyl Frame	10			0.260	3
Left Wall: Wood Frame, 16" o.c.	392	25.0	0.0	0.053	19
Window: PV 3860: Vinyl Frame	16			0.260	4
Window: PV 3860: Vinyl Frame	16			0.260	4
Stair Walls: Wood Frame, 16" o.c.	235	13.0	0.0	0.082	18
Door: 3080-INT (solid wood): Solid	18			0.500	9
Dormer Walls: Wood Frame, 16" o.c.	190	21.0	0.0	0.057	9
Window: 6048 CSMT: Vinyl Frame	20			0.220	4
Window: 6048 CSMT: Vinyl Frame	20			0.220	4
Shed Dormer Walls: Wood Frame, 16" o.c.	251	21.0	0.0	0.057	12
Window: 6048 CSMT: Vinyl Frame	20			0.220	4
Window: 6048 CSMT: Vinyl Frame	20			0.220	4
Floor: All-Wood Joist/Truss, Over Unconditioned Space	1,528	30.0	0.0	0.033	50
Bumpout Floor: All-Wood Joist/Truss, Over Unconditioned Space	151	30.0	0.0	0.033	5

Compliance Statement: The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2018 IECC requirements in RES*check* Version : REScheck-Web and to comply with the mandatory requirements listed in the RES*check* Inspection Checklist.

Name - Title | Signature | Date

Project Notes:

Saranac Lake used on account of Vermontville not being in REScheck.

Warning: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed Professional Engineer, to alter this item in any way.

03/30/2021

RES*check* Software Version : REScheck-Web

Inspection Checklist

Energy Code: 2018 IECC

Requirements: 0.0% were addressed directly in the RES*check* software

Text in the "Comments/Assumptions" column is provided by the user in the REScheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Pre-Inspection/Plan Review	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
103.1, 103.2 [PR1][1]	Construction drawings and documentation demonstrate energy code compliance for the building envelope. Thermal envelope represented on construction documents.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
103.1, 103.2, 403.7 [PR3][1]	Construction drawings and documentation demonstrate energy code compliance for lighting and mechanical systems. Systems serving multiple dwelling units must demonstrate compliance with the IECC Commercial Provisions.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
302.1, 403.7 [PR2][2]	Heating and cooling equipment is sized per ACCA Manual S based on loads calculated per ACCA Manual J or other methods approved by the code official.	Heating: Btu/hr____ Cooling: Btu/hr____	Heating: Btu/hr____ Cooling: Btu/hr____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

Warning: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed Professional Engineer, to alter this item in any way.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Foundation Inspection	Complies?	Comments/Assumptions
303.2.1 [FO11]2	A protective covering is installed to protect exposed exterior insulation and extends a minimum of 6 in. below grade.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.9 [FO12]2	Snow- and ice-melting system controls installed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

Warning: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed Professional Engineer, to alter this item in any way.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Warning: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed Professional Engineer, to alter this item in any way.

Section # & Req.ID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
402.1.1, 402.3.4 [FR1][1]	Door U-factor.	U-____	U-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
402.1.1, 402.3.1, 402.3.3, 402.5 [FR2][1]	Glazing U-factor (area-weighted average).	U-____	U-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
303.1.3 [FR4][1]	U-factors of fenestration products are determined in accordance with the NFRC test procedure or taken from the default table.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
402.4.1.1 [FR23][1]	Air barrier and thermal barrier installed per manufacturer's instructions.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
402.4.3 [FR20][1]	Fenestration that is not site built is listed and labeled as meeting AAMA /WDMA/CSA 101/I.S.2/A440 or has infiltration rates per NFRC 400 that do not exceed code limits.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
402.4.5 [FR16][2]	IC-rated recessed lighting fixtures sealed at housing/interior finish and labeled to indicate ≤2.0 cfm leakage at 75 Pa.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.3.1 [FR12][1]	Supply and return ducts in attics insulated >= R-8 where duct is >= 3 inches in diameter and >= R-6 where < 3 inches. Supply and return ducts in other portions of the building insulated >= R-6 for diameter >= 3 inches and R-4.2 for < 3 inches in diameter.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.3.2 [FR13][1]	Ducts, air handlers and filter boxes are sealed with joints/seams compliant with International Mechanical Code or International Residential Code, as applicable.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.3.5 [FR15][3]	Building cavities are not used as ducts or plenums.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.4 [FR17][2]	HVAC piping conveying fluids above 105 ºF or chilled fluids below 55 ºF are insulated to ≥R-3.	R-____	R-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.4.1 [FR24][1]	Protection of insulation on HVAC piping.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.5.3 [FR18][2]	Hot water pipes are insulated to ≥R-3.	R-____	R-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
403.6 [FR19][2]	Automatic or gravity dampers are installed on all outdoor air intakes and exhausts.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

Warning: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed Professional Engineer, to alter this item in any way.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
303.1 [IN13][2]	All installed insulation is labeled or the installed R-values provided.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
402.1.1, 402.2.6 [IN1][1]	Floor insulation R-value.	R-____ ☐ Wood ☐ Steel	R-____ ☐ Wood ☐ Steel	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
303.2, 402.2.8 [IN2][1]	Floor insulation installed per manufacturer's instructions and in substantial contact with the underside of the subfloor, or floor framing cavity insulation is in contact with the top side of sheathing, or continuous insulation is installed on the underside of floor framing and extends from the bottom to the top of all perimeter floor framing members.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
402.1.1, 402.2.5, 402.2.6 [IN3][1]	Wall insulation R-value. If this is a mass wall with at least ½ of the wall insulation on the wall exterior, the exterior insulation requirement applies (FR10).	R-____ ☐ Wood ☐ Mass ☐ Steel	R-____ ☐ Wood ☐ Mass ☐ Steel	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
303.2 [IN4][1]	Wall insulation is installed per manufacturer's instructions.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

Warning: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed Professional Engineer, to alter this item in any way.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Warning: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed Professional Engineer, to alter this item in any way.

Section # & Req.ID	Final Inspection Provisions	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
402.1.1, 402.2.1, 402.2.2, 402.2.6 [FI1][1]	Ceiling insulation R-value.	R-____ ☐ Wood ☐ Steel	R-____ ☐ Wood ☐ Steel	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
303.1.1.1, 303.2 [FI2][1]	Ceiling insulation installed per manufacturer's instructions. Blown insulation marked every 300 ft².			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
402.2.3 [FI22][2]	Vented attics with air permeable insulation include baffle adjacent to soffit and eave vents that extends over insulation.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
402.2.4 [FI3][1]	Attic access hatch and door insulation ≥R-value of the adjacent assembly.	R-____	R-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
402.4.1.2 [FI17][1]	Blower door test @ 50 Pa. <=5 ach in Climate Zones 1-2, and <=3 ach in Climate Zones 3-8.	ACH 50 =____	ACH 50 =____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.3.3 [FI27][1]	Ducts are pressure tested to determine air leakage with either: Rough-in test: Total leakage measured with a pressure differential of 0.1 inch w.g. across the system including the manufacturer's air handler enclosure if installed at time of test. Postconstruction test: Total leakage measured with a pressure differential of 0.1 inch w.g. across the entire system including the manufacturer's air handler enclosure.	____ cfm/100 ft²	____ cfm/100 ft²	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.3.4 [FI4][1]	Duct tightness test result of <=4 cfm/100 ft2 across the system or <=3 cfm/100 ft2 without air handler @ 25 Pa. For rough-in tests, verification may need to occur during Framing Inspection.	____ cfm/100 ft²	____ cfm/100 ft²	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.3.2.1 [FI24][1]	Air handler leakage designated by manufacturer at <=2% of design air flow.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.1.1 [FI9][2]	Programmable thermostats installed for control of primary heating and cooling systems and initially set by manufacturer to code specifications.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.1.2 [FI10][2]	Heat pump thermostat installed on heat pumps.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.5.1 [FI11][2]	Circulating service hot water systems have automatic or accessible manual controls.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Warning: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed Professional Engineer, to alter this item in any way.

Section # & Req.ID	Final Inspection Provisions	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
403.6.1 [FI25]2	All mechanical ventilation system fans not part of tested and listed HVAC equipment meet efficacy and air flow limits per Table R403.6.1.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.2 [FI26]2	Hot water boilers supplying heat through one- or two-pipe heating systems have outdoor setback control to lower boiler water temperature based on outdoor temperature.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.5.1.1 [FI28]2	Heated water circulation systems have a circulation pump. The system return pipe is a dedicated return pipe or a cold water supply pipe. Gravity and thermos-syphon circulation systems are not present. Controls for circulating hot water system pumps start the pump with signal for hot water demand within the occupancy. Controls automatically turn off the pump when water is in circulation loop is at set-point temperature and no demand for hot water exists.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.5.1.2 [FI29]2	Electric heat trace systems comply with IEEE 515.1 or UL 515. Controls automatically adjust the energy input to the heat tracing to maintain the desired water temperature in the piping.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.5.2 [FI30]2	Demand recirculation water systems have controls that manage operation of the pump and limit the temperature of the water entering the cold water piping to <= 104ºF.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.5.4 [FI31]2	Drain water heat recovery units tested in accordance with CSA B55.1. Potable water-side pressure loss of drain water heat recovery units < 3 psi for individual units connected to one or two showers. Potable water-side pressure loss of drain water heat recovery units < 2 psi for individual units connected to three or more showers.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
404.1 [FI6]1	90% or more of permanent fixtures have high efficacy lamps.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
404.1.1 [FI23]3	Fuel gas lighting systems have no continuous pilot light.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
401.3 [FI7]2	Compliance certificate posted.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Final Inspection Provisions	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
303.3 [FI18][3]	Manufacturer manuals for mechanical and water heating systems have been provided.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

Warning: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed Professional Engineer, to alter this item in any way.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

2018 IECC Energy Efficiency Certificate

Insulation Rating	R-Value
Above-Grade Wall	25.00
Below-Grade Wall	0.00
Floor	30.00
Ceiling / Roof	49.00
Ductwork (unconditioned spaces):	_____

Glass & Door Rating	U-Factor	SHGC
Window	0.28	0.23
Door	0.20	0.15

Heating & Cooling Equipment	Efficiency
Heating System:_____	_____
Cooling System:_____	_____
Water Heater:_____	_____

Name: _____ **Date:**_____

Comments

Warning: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed Professional Engineer, to alter this item in any way.

Electrical Load Calculation Form:

Date: 3/29/2021 Performed By: GLENCO INC Mfg: **Cozy Cabins, LLC**

Project: CC-731 / NORMAN RIDGE DISPLAY / RENTAL Model: Ranch

Air Conditioning *			1920
Central Electric Space Heating	(0	x .65) *	0
Less Than Four Separately Controlled Electric Space Heating Units	(0	x .65) *	0
Four or More Separately Controlled Electric Space Heating Units	(0	x .40) *	0

* Use the larger of the air-conditioning or the diversified demand of the heating load.

Other Loads:

	W		L		Watts or Volt-Amps	Circuit Ampacity	Wire Size
General Lighting							
1st Story	(28	x	61	x 3)	5124	15 A	14-2
2nd Story	(0	x	0	x 3)	0	15 A	14-2
Small Appliances	(2	x	1500	)	3000	20 A	12-2
Range					11400	40 A	8-3
Dishwasher					1200	20 A	12-2
Microwave					1200	20 A	12-2
Washer					1500	20 A	12-2
Dryer					5800	30 A	10-3
Refrigerator					1920	20 A	12-2
Water Heater					5500	30 A	10-2

03/30/2021

Subtotal: 36644

First 10 KW of other loads @ 100% = 10000

Remainder of other loads @ 40% (26644 x .40) = 10658

Heat or A/C from Above: 1920 *

Total Calculated Load: = 22578

Required Service Size: 22578 4 240 = 94.07 Amps

Installed Panel Size = 200 Amps

Max panel amps @ 80% = 160 Amps

file name: CC-731 / NORMAN RIDGE DISPLAY / RENTAL

NOTICE OF UTILIZATION OF TRUSS TYPE CONSTRUCTION, PRE-ENGINEERED WOOD CONSTRUCTION AND/OR TIMBER CONSTRUCTION IN RESIDENTIAL STRUCTURES

(In accordance with Title 19 NYCRR PART 1265)

Local Authority having jurisdiction logo:

TO: *Name of Authority having jurisdiction:*

OWNER OF PROPERTY: NORMAN RIDGE DISPLAY / RENTAL

SUBJECT PROPERTY (ADDRESS AND TAX MAP NUMBER):

89 Norman Ridge Road, Vermontville, NY 12989 (Franklin County)

Site Coordinates: 44.4338, -74.0515

PLEASE TAKE NOTICE THAT THE (CHECK ALL THAT APPLY):

☒ New Residential Structure

☐ Addition to Existing Residential Structure

☐ Rehabilitation to Existing Residential Structure

TO BE CONSTRUCTED OR PERFORMED AT THE SUBJECT PROPERTY REFERENCE ABOVE WILL UTILIZE (check each applicable line):

☒ Truss Type Construction (TT)

☒ Pre-Engineered Wood Construction (PW)

☐ Timber Construction (TC)

IN THE FOLLOWING LOCATION(S) (CHECK APPLICABLE LINE):

☐ Floor Framing, Including Girders and Beams (F)

☒ Roof Framing (R)

☐ Floor Framing and Roof Framing (FR)

SIGNATURE: _____ DATE: _____

PRINT NAME: _____

CAPACITY (Check One): ☐ Owner ☐ Owner's Representative

Job	Truss	Truss Type	Qty	Ply	
105026	D1048845	ROOF TRUSS	1	1	Cozy Cabins 212

Copyright ©2021 UFP Industries, Inc. All Rights Reserved

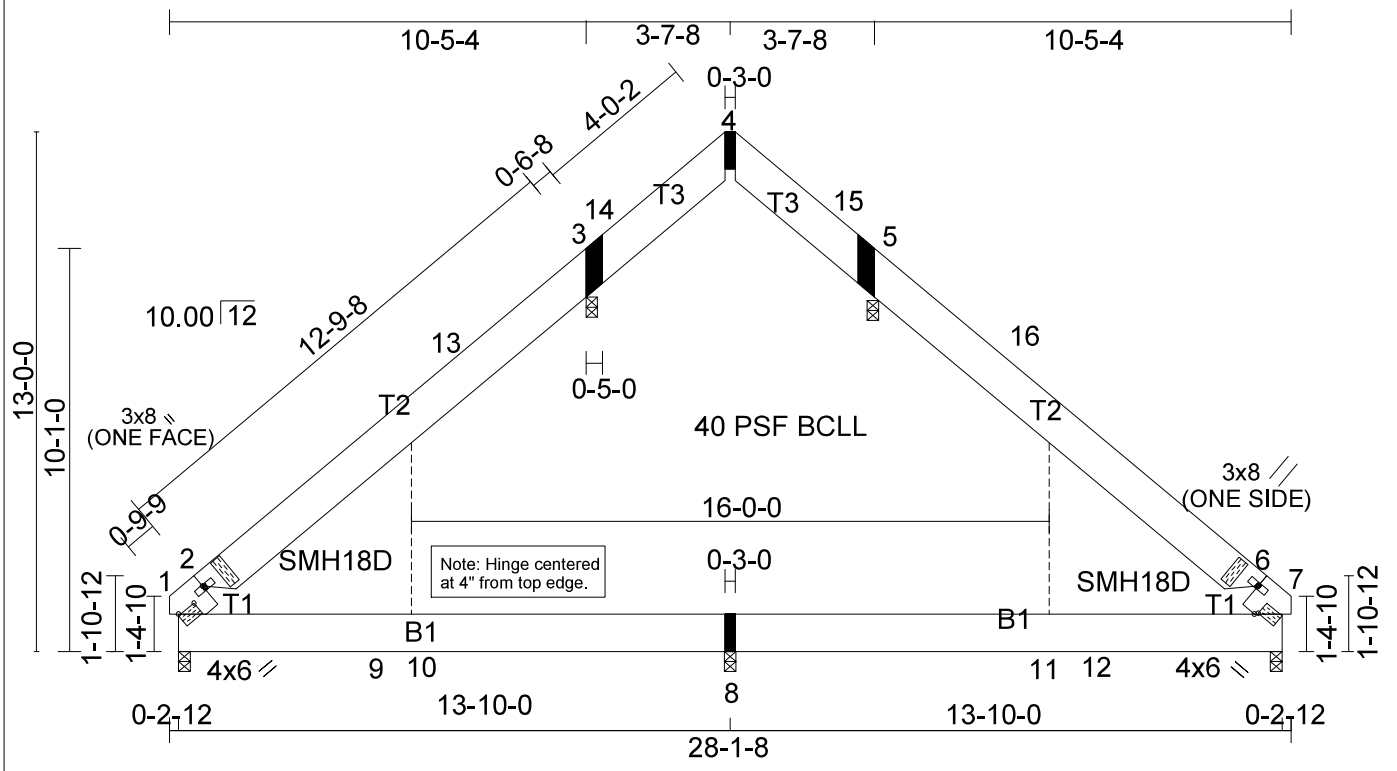


Plate Offsets (X,Y)— [1:0-5-11,0-0-7], [2:0-1-4,0-1-10], [6:0-1-4,0-1-10], [7:0-0-12,0-0-15]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	68.7	Plate Grip DOL	1.15	TC	0.46	Vert(LL)	-0.18	7-8	>908	240	MT20	137/130
(Ground Snow=96.0)		Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.22	7-8	>737	180	MT18HS	137/130
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.05	3	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-R							Weight: 206 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x12 SPF No.2 *Except*
T1: 1.5 x 11.25 Murphy LVL 2.0E
BOT CHORD 2x12 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 8-2-13 oc bracing.

REACTIONS. (lb/size) 8=178/0-3-8, 1=825/0-3-8, 7=825/0-3-8, 3=706/0-3-8, 5=706/0-3-8
Max Horz 1=-255(LC 7)
Max Uplift 3=-282(LC 9), 5=-283(LC 10)
Max Grav 8=1129(LC 16), 1=887(LC 3), 7=888(LC 4), 3=1022(LC 14), 5=1020(LC 15)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-805/8, 2-13=-632/47, 3-13=-247/56, 3-14=-445/58, 4-14=-298/65, 4-15=-294/64, 5-15=-449/57, 5-16=-239/56, 6-16=-624/47, 6-7=-808/8
BOT CHORD 1-9=-100/270, 9-10=-100/270, 8-10=-100/270, 8-11=-100/270, 11-12=-100/270, 7-12=-100/270

REQUIRED FIELD JOINT CONNECTIONS - Maximum Compression (lb)/ Maximum Tension (lb)/ Maximum Shear (lb)/ Maximum Moment (lb-in)
3=483/158/560/0, 4=254/66/239/0, 5=504/60/239/0, 8=100/270/565/0

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gat end zone and C-C Exterior(2E) 0-4-6 to 3-4-6, Interior(1) 3-4-6 to 11-0-2, Exterior(2R) 11-0-2 to 17-0-2, Interior(1) 17-0-2 to 24-9-2, Exterior(2E) 24-9-2 27-9-2 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pg=96.0 psf; Ps=68.7 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=0.93; Ct=1.10
3) Roof design snow load has been reduced to account for slope.
4) Unbalanced snow loads have been considered for this design.
5) All plates are MT20 plates unless otherwise indicated.
6) See HINGE PLATE DETAILS for plate placement.
7) Provisions must be made to prevent lateral movement of hinged member(s) during transportation.
8) All additional member connections shall be provided by others for forces as indicated.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

2/25/2021

The professional engineering seal indicates that a licensed professional engineer has designed the truss under the standards referenced within this document, not necessarily the current state building code. The engineering seal is not an approval to use in a specific state. The final determination on whether a truss design is acceptable under the locally adopted building code rest with the building official or designated appointee.

WARNING - ***Verify design parameters and READ NOTES***

Truss shall not be cut or modified without approval of the truss design engineer.
This component has only been designed for the loads noted on this drawing. Construction and lifting forces have not been considered. The builder is responsible for lifting methods and system design. Builder responsibilities are defined under TPI1. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult BCSI 1-06 from the Wood Truss Council of America and Truss Plate Institute Recommendation available from WTCA, 6300 Enterprise LN, Madison, WI 53719. J:\support\MitekSupp\templates\ufp.tpe

UFP Industries, Inc.
PHONE (616)-364-6161 FAX (616)-365-0060
2801 EAST BELTLINE RD, NE
GRAND RAPIDS, MI 49525

Job	Truss	Truss Type	Qty	Ply	Cozy Cabins 212
105026	D1048845	ROOF TRUSS	1	1	

Copyright ©2021 UFP Industries, Inc. All Rights Reserved

10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 282 lb uplift at joint 3 and 283 lb uplift at joint 5.
12) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 5.
13) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
15) Take precaution to keep the chords in plane, any bending or twisting of the hinge plate must be repaired before the building is put into service.
16) The field-installed members are an integral part of the truss design. Retain a design professional to specify final field connections and temporary supports. All field-installed members must be properly fastened prior to applying any loading to the truss. This design anticipates the final set position.
17) Revision of D1048841; reduced spacing, increased load.

The professional engineering seal indicates that a licensed professional engineer has designed the truss under the standards referenced within this document, not necessarily the current state building code. The engineering seal is not an approval to use in a specific state. The final determination on whether a truss design is acceptable under the locally adopted building code rest with the building official or designated appointee.

WARNING - *Verify design parameters and READ NOTES*

UFP Industries, Inc. 2801 EAST BELTLINE RD, NE
PHONE (616)-364-6161 FAX (616)-365-0060 GRAND RAPIDS, MI 49525

Truss shall not be cut or modified without approval of the truss design engineer.
This component has only been designed for the loads noted on this drawing. Construction and lifting forces have not been considered. The builder is responsible for lifting methods and system design. Builder responsibilities are defined under TPI1. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult BCSI 1-06 from the Wood Truss Council of America and Truss Plate Institute Recommendation available from WTCA, 6300 Enterprise LN, Madison, WI 53719. J:\support\MitekSupp\templates\ufp.tpe

Job	Truss	Truss Type	Qty	Ply	
105026	D1048947	FINK	1	1	Cozy Cabins 212

Copyright ©2021 UFP Industries, Inc. All Rights Reserved

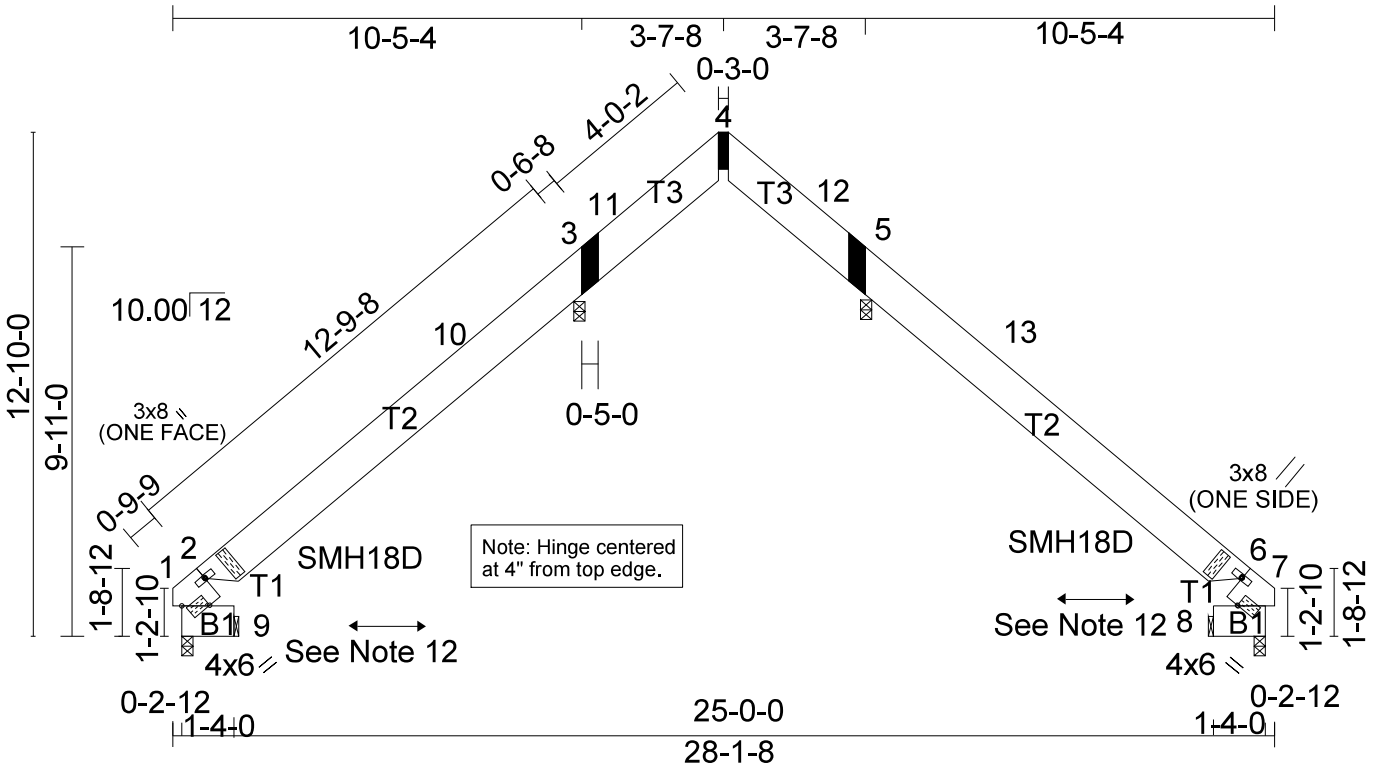


Plate Offsets (X,Y)-- [1:0-6-11,Edge], [2:0-1-4,0-1-10], [6:0-1-4,0-1-10], [7:0-0-5,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	68.7	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	0.00	8	>999	240	MT20	137/130
(Ground Snow=96.0)		Lumber DOL	1.15	BC	0.10	Vert(CT)	0.00	8	>999	180	MT18HS	137/130
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-R							Weight: 113 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x12 SPF No.2 *Except*
T1: 1.5 x 11.25 Murphy LVL 2.0E
BOT CHORD 2x10 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 9=-12/Mechanical, 1=803/0-3-8, 7=803/0-3-8, 3=751/0-3-8, 5=751/0-3-8, 8=-12/Mechanical
Max Horz 9=281(LC 9), 8=-282(LC 10)
Max Uplift 9=-278(LC 9), 3=-238(LC 9), 5=-237(LC 10), 8=-278(LC 10)
Max Grav 9=53(LC 7), 1=845(LC 14), 7=840(LC 15), 3=1065(LC 14), 5=1067(LC 15), 8=54(LC 8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-855/0, 2-10=-670/29, 3-10=-249/53, 3-11=-473/34, 4-11=-312/52, 4-12=-316/52, 5-12=-469/34, 5-13=-258/55, 6-13=-654/29, 6-7=-853/0
BOT CHORD 1-9=-85/281, 7-8=-85/282

REQUIRED FIELD JOINT CONNECTIONS - Maximum Compression (lb)/ Maximum Tension (lb)/ Maximum Shear (lb)/ Maximum Moment (lb-in)
3=530/34/248/0, 4=265/55/248/0, 5=523/34/238/0

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gat end zone and C-C Exterior(2E) 0-4-8 to 3-4-8, Interior(1) 3-4-8 to 11-1-6, Exterior(2R) 11-1-6 to 17-1-6, Interior(1) 17-1-6 to 24-9-0, Exterior(2E) 24-9-0 27-9-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pg=96.0 psf; Ps=68.7 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=0.93; Ct=1.10
3) Roof design snow load has been reduced to account for slope.
4) Unbalanced snow loads have been considered for this design.
5) All plates are MT20 plates unless otherwise indicated.
6) See HINGE PLATE DETAILS for plate placement.
7) Provisions must be made to prevent lateral movement of hinged member(s) during transportation.
8) All additional member connections shall be provided by others for forces as indicated.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

2/25/2021

The professional engineering seal indicates that a licensed professional engineer has designed the truss under the standards referenced within this document, not necessarily the current state building code. The engineering seal is not an approval to use in a specific state. The final determination on whether a truss design is acceptable under the locally adopted building code rest with the building official or designated appointee.

WARNING - ***Verify design parameters and READ NOTES***

Truss shall not be cut or modified without approval of the truss design engineer.
This component has only been designed for the loads noted on this drawing. Construction and lifting forces have not been considered. The builder is responsible for lifting methods and system design. Builder responsibilities are defined under TPI1. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult BCSI 1-06 from the Wood Truss Council of America and Truss Plate Institute Recommendation available from WTCA, 6300 Enterprise LN, Madison, WI 53719. J:\support\MitekSupp\templates\ufp.tpe

UFP Industries, Inc.
PHONE (616)-364-6161 FAX (616)-365-0060
2801 EAST BELTLINE RD, NE
GRAND RAPIDS, MI 49525

Job	Truss	Truss Type	Qty	Ply	Cozy Cabins 212
105026	D1048947	FINK	1	1	

Copyright ©2021 UFP Industries, Inc. All Rights Reserved

10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 278 lb uplift at joint 9, 238 lb uplift at joint 3, 237 lb uplift at joint 5 and 278 lb uplift at joint 8.
12) Provide support to resist a horizontal force of 282 lbs. at joints 8 & 9
13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 5.
14) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
16) Take precaution to keep the chords in plane, any bending or twisting of the hinge plate must be repaired before the building is put into service.
17) The field-installed members are an integral part of the truss design. Retain a design professional to specify final field connections and temporary supports. All field-installed members must be properly fastened prior to applying any loading to the truss. This design anticipates the final set position.
18) Revision of D1048943; reduced spacing, increased load.

The professional engineering seal indicates that a licensed professional engineer has designed the truss under the standards referenced within this document, not necessarily the current state building code. The engineering seal is not an approval to use in a specific state. The final determination on whether a truss design is acceptable under the locally adopted building code rest with the building official or designated appointee.

WARNING - ***Verify design parameters and READ NOTES***

UFP Industries, Inc.
PHONE (616)-364-6161 FAX (616)-365-0060

2801 EAST BELTLINE RD, NE
GRAND RAPIDS, MI 49525

Truss shall not be cut or modified without approval of the truss design engineer.
This component has only been designed for the loads noted on this drawing. Construction and lifting forces have not been considered. The builder is responsible for lifting methods and system design. Builder responsibilities are defined under TPI1. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult BCSI 1-06 from the Wood Truss Council of America and Truss Plate Institute Recommendation available from WTCA, 6300 Enterprise LN, Madison, WI 53719. J:\support\MitekSupp\templates\ufp.tpe

Job	Truss	Truss Type	Qty	Ply	Cozy Cabins 212
105026	D1078631	HINGE MONO	1	1	

Copyright © 2021 UFP Industries, Inc. All Rights Reserved

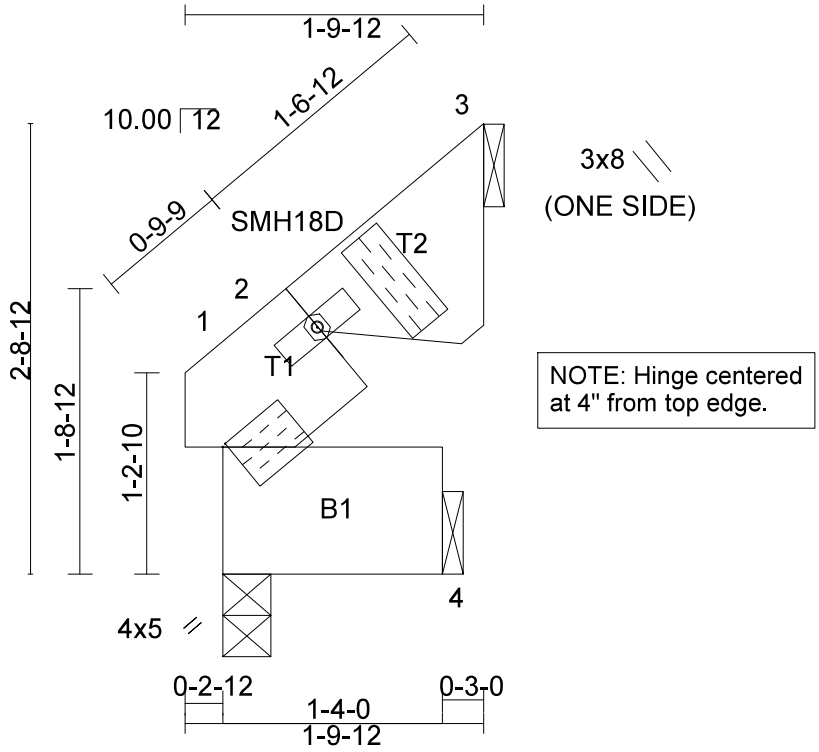


Plate Offsets (X,Y)-- [1:0-0-4,0-0-1], [2:0-1-4,0-1-14], [2:0-3-2,0-5-0]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	68.7	Plate Grip DOL	1.15	TC	0.01	Vert(LL)	-0.00	1	>999	240	MT20	137/130
(Ground Snow=96.0)		Lumber DOL	1.15	BC	0.02	Vert(CT)	-0.00	1	>999	180	MT18HS	137/130
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 15 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 1-1/2X9-1/4 LP-LSL TC 1.75E *Except*
T2: 2x12 SPF No.2
BOT CHORD 2x10 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-9-12 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=86/0-3-8, 3=53/Mechanical, 4=44/Mechanical
Max Horz 1=49(LC 9)
Max Uplift3=-17(LC 9), 4=-31(LC 9)
Max Grav 1=114(LC 14), 3=73(LC 14), 4=56(LC 14)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-137/0, 2-3=-20/15
BOT CHORD 1-4=0/0

NOTES- (12-13)
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable and zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pg=96.0 psf; Ps=68.7 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=0.93; Ct=1.10
3) Roof design snow load has been reduced to account for slope.
4) Unbalanced snow loads have been considered for this design.
5) All plates are MT20 plates unless otherwise indicated.
6) See HINGE PLATE DETAILS for plate placement.
7) Provisions must be made to prevent lateral movement of hinged member(s) during transportation.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 3 and 31 lb uplift at joint 4.
11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Take precaution to keep the chords in plane, any bending or twisting of the hinge plate must be repaired before the building is put into service.
13) The field-installed members are an integral part of the truss design. Retain a design professional to specify final field connections and temporary supp All field-installed members must be properly fastened prior to applying any loading to the truss. This design anticipates the final set position.
14) Revision of D1078625; reduced spaciing, increased load

2/25/2021

The professional engineering seal indicates that a licensed professional engineer has designed the truss under the standards referenced within this document, not necessarily the current state building code. The engineering seal is not an approval to use in a specific state. The final determination on whether a truss design is acceptable under the locally adopted building code rest with the building official or designated appointee.

WARNING - ***Verify design parameters and READ NOTES***

Truss shall not be cut or modified without approval of the truss design engineer.
This component has only been designed for the loads noted on this drawing. Construction and lifting forces have not been considered. The builder is responsible for lifting methods and system design. Builder responsibilities are defined under TPI1. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult BCSI 1-06 from the Wood Truss Council of America and Truss Plate Institute Recommendation available from WTCA, 6300 Enterprise LN, Madison, WI 53719. J:\support\MitekSupp\templates\ufp.tpe

UFP Industries, Inc.
PHONE (616)-364-6161 FAX (616)-365-0060
2801 EAST BELTLINE RD, NE
GRAND RAPIDS, MI 49525

Job	Truss	Truss Type	Qty	Ply	
105026	D1078729	ROOF TRUSS	1	1	Cozy Cabins 212

Copyright ©2021 UFP Industries, Inc. All Rights Reserved

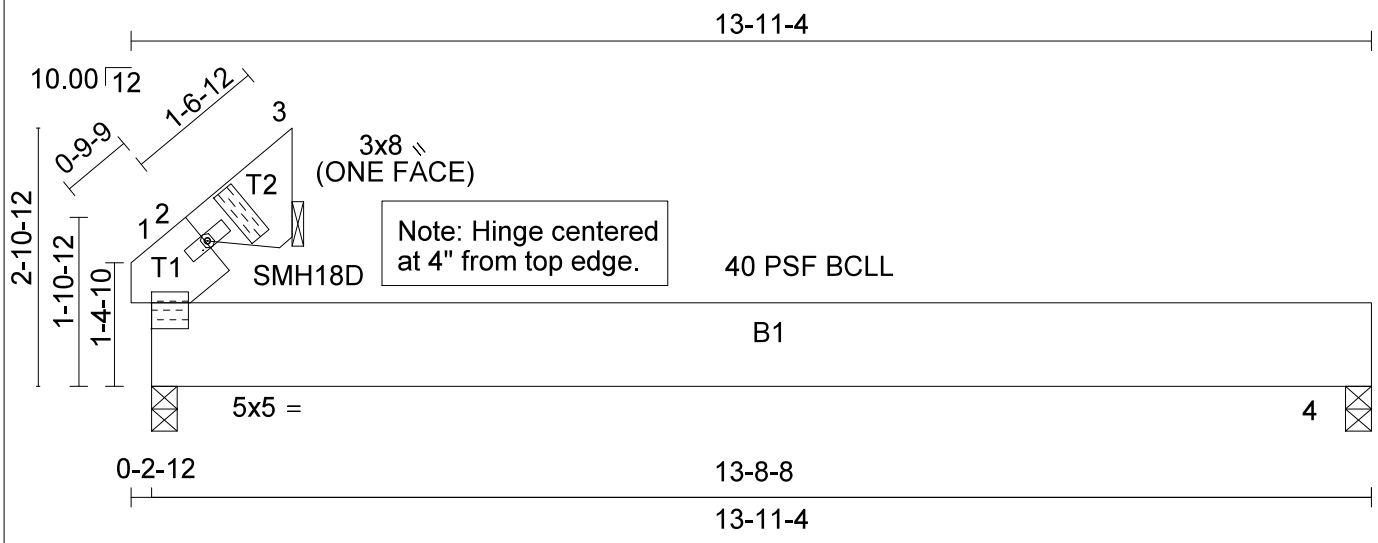


Plate Offsets (X,Y)-- [1:0-0-0,0-3-8], [2:0-1-4,0-0-10], [2:0-3-10,0-5-0]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	68.7	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	-0.16	1-4	>999	240	MT20	137/130
(Ground Snow=96.0)		Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.20	1-4	>797	180	MT18HS	137/130
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.05	3	n/a	n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-R		Attic	-0.16	1-4	998	360	Weight: 61 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x12 SPF No.2 *Except*
T1: 1-1/2X9-1/4 LP-LSL TC 1.75E
BOT CHORD 2x12 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 8-11-6 oc bracing.

REACTIONS. (lb/size) 4=93/0-3-8, 1=195/0-3-8, 3=52/Mechanical
Max Horz 1=50(LC 9)
Max Uplift3=-16(LC 9)
Max Grav 4=452(LC 14), 1=471(LC 3), 3=71(LC 15)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-135/1, 2-3=-8/10
BOT CHORD 1-4=0/0

NOTES- (13-14)
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pg=96.0 psf; Ps=68.7 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=0.93; Ct=1.10
3) Roof design snow load has been reduced to account for slope.
4) Unbalanced snow loads have been considered for this design.
5) All plates are MT20 plates unless otherwise indicated.
6) See HINGE PLATE DETAILS for plate placement.
7) Provisions must be made to prevent lateral movement of hinged member(s) during transportation.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 1-4
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 3.
11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Attic room checked for L/360 deflection.
13) Take precaution to keep the chords in plane, any bending or twisting of the hinge plate must be repaired before the building is put into service.
14) The field-installed members are an integral part of the truss design. Retain a design professional to specify final field connections and temporary supp
All field-installed members must be properly fastened prior to applying any loading to the truss. This design anticipates the final set position.
15) Revision of D1078725; reduced spacing, increased load.

2/25/2021

The professional engineering seal indicates that a licensed professional engineer has designed the truss under the standards referenced within this document, not necessarily the current state building code. The engineering seal is not an approval to use in a specific state. The final determination on whether a truss design is acceptable under the locally adopted building code rest with the building official or designated appointee.

WARNING - ***Verify design parameters and READ NOTES***

Truss shall not be cut or modified without approval of the truss design engineer.
This component has only been designed for the loads noted on this drawing. Construction and lifting forces have not been considered. The builder is responsible for lifting methods and system design. Builder responsibilities are defined under TPI1. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult BCSI 1-06 from the Wood Truss Council of America and Truss Plate Institute Recommendation available from WTCA, 6300 Enterprise LN, Madison, WI 53719. J:\support\MitekSupp\templates\ufp.tpe

UFP Industries, Inc.
PHONE (616)-364-6161 FAX (616)-365-0060
2801 EAST BELTLINE RD, NE
GRAND RAPIDS, MI 49525

Job	Truss	Truss Type	Qty	Ply	Cozy Cabins 212
105035	M1143601	MONO TRUSS	1	1	Jack Truss 1

UFP Industries Inc., Grand Rapids, MI 49525, Mike Patten — 8.420 e Sep 14 2020 MiTek Industries, Inc. Wed Feb 24 15:53:19 2021

Copyright © 2021 UFP Industries, Inc. All Rights Reserved

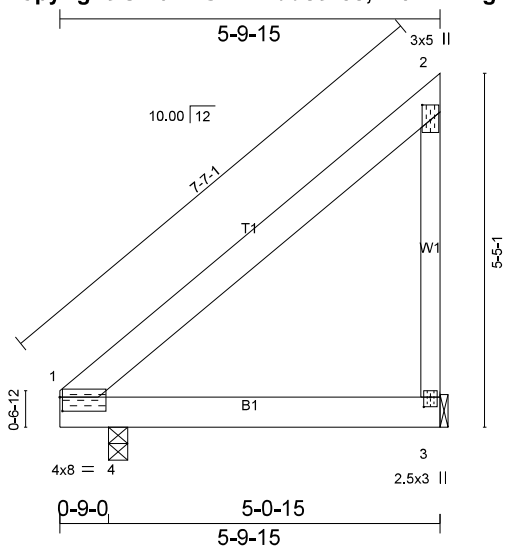


Plate Offsets (X,Y)-- [1:0-0-8,0-2-8], [2:0-2-12,0-1-8], [3:0-1-12,0-1-4]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	68.7	Plate Grip DOL	1.15	TC	0.61	Vert(LL)	0.00	3-4	>999	240	MT20	197/144
(Ground Snow=96.0)		Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.01	3-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-R							Weight: 29 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x6 SPF No.2
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-15 oc purlins, except end verticals[P]
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=273/Mechanical, 4=399/0-3-8 (min. 0-1-8)
Max Horz 4=135(LC 9)
Max Uplift 3=-95(LC 9)
Max Grav 3=440(LC 13), 4=643(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-426/222, 2-3=-395/149
BOT CHORD 1-4=-51/182, 3-4=-19/42

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pg=96.0 psf; Ps=68.7 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=0.93; Ct=1.10
3) Roof design snow load has been reduced to account for slope.
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 95 lb uplift at joint 3.
8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

2/26/2021

The professional engineering seal indicates that a licensed professional engineer has designed the truss under the standards referenced within this document, not necessarily the current state building code. The engineering seal is not an approval to use in a specific state. The final determination on whether a truss design is acceptable under the locally adopted building code rest with the building official or designated appointee.

WARNING - ***Verify design parameters and READ NOTES***

Truss shall not be cut or modified without approval of the truss design engineer.
This component has only been designed for the loads noted on this drawing. Construction and lifting forces have not been considered. The builder is responsible for lifting methods and system design. Builder responsibilities are defined under TPI1. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult BCSI 1-06 from the Wood Truss Council of America and Truss Plate Institute Recommendation available from WTCA, 6300 Enterprise LN, Madison, WI 53719 J:\support\MitekSupp\templates\ufp.tpe

UFP Industries, Inc.
PHONE (616)-364-6161 FAX (616)-365-0060
2801 EAST BELTLINE RD, NE
GRAND RAPIDS, MI 49525

Job	Truss	Truss Type	Qty	Ply	
105035	M1143602	MONO TRUSS	1	1	Cozy Cabins 212 Jack Truss 2

UFP Industries Inc., Grand Rapids, MI 49525, Mike Patten — 8.420 e Sep 14 2020 MiTek Industries, Inc. Wed Feb 24 15:58:26 2021

Copyright ©2021 UFP Industries, Inc. All Rights Reserved

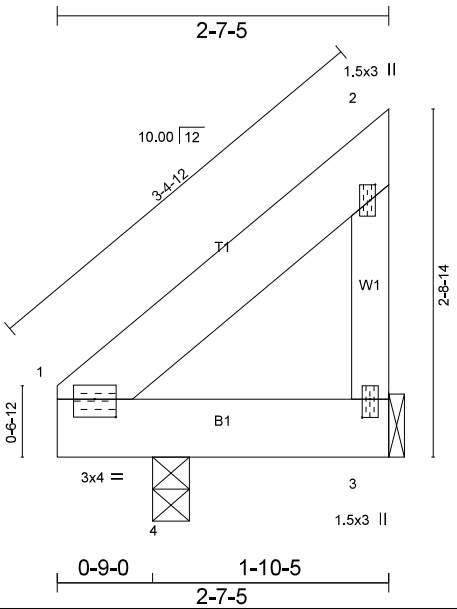


Plate Offsets (X,Y)-- [1:0-2-0,0-1-11], [2:0-1-8,0-0-8], [3:0-1-12,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	68.7	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	0.00	4	>999	240	MT20	197/144
(Ground Snow=96.0)		Lumber DOL	1.15	BC	0.11	Vert(CT)	0.00	4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-R							Weight: 13 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x6 SPF No.2
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-5 oc purlins, except end verticals. [P]
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=62/Mechanical, 4=229/0-3-8 (min. 0-1-8)
Max Horz 4=59(LC 9)
Max Uplift 3=-46(LC 9)
Max Grav 3=88(LC 13), 4=322(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-155/64, 2-3=-141/85
BOT CHORD 1-4=-23/102, 3-4=-11/4

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pg=96.0 psf; Ps=68.7 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=0.93; Ct=1.10
3) Roof design snow load has been reduced to account for slope.
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 3.
8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

2/26/2021

The professional engineering seal indicates that a licensed professional engineer has designed the truss under the standards referenced within this document, not necessarily the current state building code. The engineering seal is not an approval to use in a specific state. The final determination on whether a truss design is acceptable under the locally adopted building code rest with the building official or designated appointee.

WARNING - ***Verify design parameters and READ NOTES***

Truss shall not be cut or modified without approval of the truss design engineer.
This component has only been designed for the loads noted on this drawing. Construction and lifting forces have not been considered. The builder is responsible for lifting methods and system design. Builder responsibilities are defined under TPI1. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult BCSI 1-06 from the Wood Truss Council of America and Truss Plate Institute Recommendation available from WTCA, 6300 Enterprise LN, Madison, WI 53719 J:\support\MitekSupp\templates\ufp.tpe

UFP Industries, Inc.
PHONE (616)-364-6161 FAX (616)-365-0060
2801 EAST BELTLINE RD, NE
GRAND RAPIDS, MI 49525

Job	Truss	Truss Type	Qty	Ply	
105035	M1143701	MONO TRUSS	1	1	Cozy Cabins 212 Hip Truss

UFP Industries Inc., Grand Rapids, MI 49525, Mike Patten — 8.420 e Sep 14 2020 MiTek Industries, Inc. Wed Feb 24 16:05:34 2021

Copyright ©2021 UFP Industries, Inc. All Rights Reserved

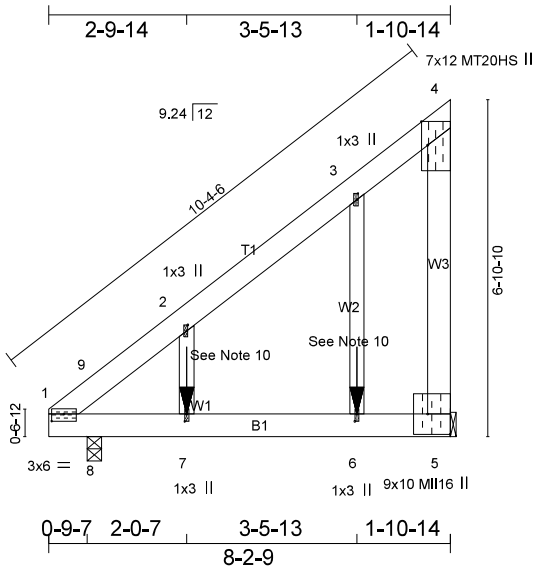


Plate Offsets (X,Y)-- [1:0-3-0,0-1-11], [2:0-1-8,0-0-4], [3:0-1-8,0-0-4], [4:0-5-13,Edge], [5:Edge,0-5-8], [6:0-1-12,0-0-8], [7:0-1-12,0-0-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	73.7	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.15	6-7	>561	240	MT20	197/144
(Ground Snow=96.0)		Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.17	6-7	>490	180	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	NO	WB	0.15	Horz(CT)	0.00	5	n/a	n/a	MII16	127/82
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-R							Weight: 51 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF Stud *Except*
W3: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. [P]
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=1132/Mechanical, 8=885/0-3-8 (min. 0-1-12)
Max Horz 8=175(LC 8)
Max Uplift 5=-300(LC 8), 8=-101(LC 8)
Max Grav 5=1377(LC 12), 8=1115(LC 12)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-9=-570/47, 2-9=-336/60, 2-3=-481/45, 3-4=-49/136, 4-5=-565/122
BOT CHORD 1-8=-37/263, 7-8=-66/263, 6-7=-66/263, 5-6=-66/263
WEBS 2-7=-353/89, 3-6=-98/341

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pg=96.0 psf; Ps=73.7 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Roof design snow load has been reduced to account for slope.
4) Unbalanced snow loads have been considered for this design.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 300 lb uplift at joint 5 and 101 lb uplift at joint 8.
9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 79 lb down and 51 lb up at 2-9-14, 79 lb down and up at 2-9-14, and 431 lb down and 101 lb up at 6-3-11, and 431 lb down and 101 lb up at 6-3-11 on bottom chord. The design/selection of such conn device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

2/26/2021

The professional engineering seal indicates that a licensed professional engineer has designed the truss under the standards referenced within this document, not necessarily the current state building code. The engineering seal is not an approval to use in a specific state. The final determination on whether a truss design is acceptable under the locally adopted building code rest with the building official or designated appointee.

WARNING - ***Verify design parameters and READ NOTES***

Truss shall not be cut or modified without approval of the truss design engineer.
This component has only been designed for the loads noted on this drawing. Construction and lifting forces have not been considered. The builder is responsible for lifting methods and system design. Builder responsibilities are defined under TPI1. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult BCSI 1-06 from the Wood Truss Council of America and Truss Plate Institute Recommendation available from WTCA, 6300 Enterprise LN, Madison, WI 53719 J:\support\MitekSupp\templates\ufp.tpe

UFP Industries, Inc.
PHONE (616)-364-6161 FAX (616)-365-0060
2801 EAST BELTLINE RD, NE
GRAND RAPIDS, MI 49525

Job	Truss	Truss Type	Qty	Ply	Cozy Cabins 212
105035	P2027601	KINGPOST	1	1	Main Truss

UFP Industries Inc., Grand Rapids, MI 49525, Mike Patten — 8.420 e Sep 14 2020 MiTek Industries, Inc. Wed Feb 24 16:21:40 2021

Copyright ©2021 UFP Industries, Inc. All Rights Reserved

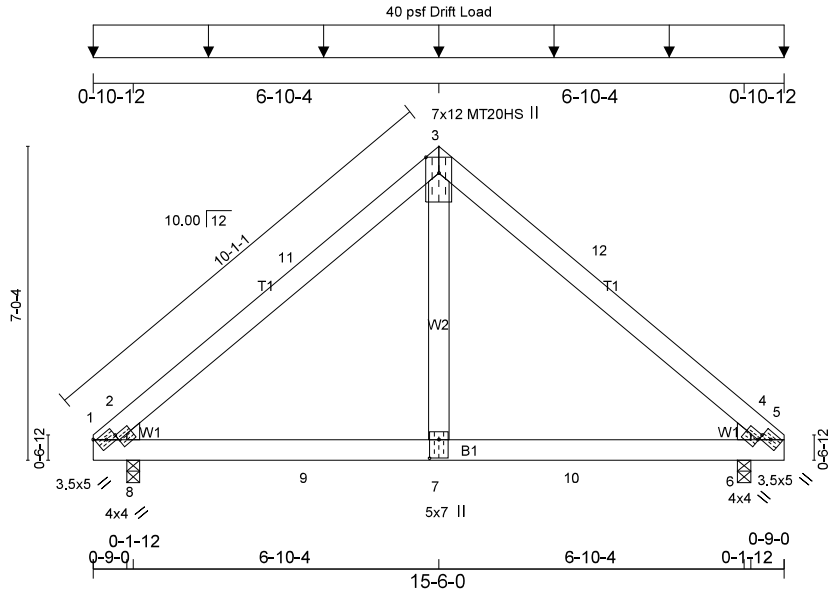


Plate Offsets (X,Y)-- [6:0-0-3,0-1-11], [7:0-5-0,0-2-8], [8:0-5-4,0-2-14]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	68.7	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.04	6-7	>999	240	MT20	197/144
(Ground Snow=96.0)		Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.05	6-7	>999	180	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.01	6	n/a	n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-R							Weight: 84 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x6 SP No.1
WEBS 2x4 SPF Stud *Except*
W2: 2x6 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-7 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=1330/0-3-8 (min. 0-1-14), 6=1330/0-3-8 (min. 0-1-14)
Max Horz 8=-138(LC 7)
Max Uplift 8=-56(LC 9), 6=-56(LC 10)
Max Grav 8=1594(LC 13), 6=1594(LC 14)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-734/51, 2-11=-1469/89, 3-11=-899/108, 3-12=-899/108, 4-12=-1469/89, 4-5=-734/51
BOT CHORD 1-8=-16/734, 8-9=-16/732, 7-9=-16/732, 7-10=-16/732, 6-10=-16/732, 5-6=-16/734
WEBS 3-7=0/245, 2-8=-1901/280, 4-6=-1901/280

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 4-9-0, Exterior(2R) 4-9-0 to 10-9-0, Interior(1) 10-9-0 to 12-6-0, Exterior(2E) 12-6-0 to 15-6-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pg=96.0 psf; Ps=68.7 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=0.93; Ct=1.10
3) Roof design snow load has been reduced to account for slope.
4) Unbalanced snow loads have been considered for this design.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bc chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint 8 and 56 lb uplift at joint 6.
9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

2/26/2021

The professional engineering seal indicates that a licensed professional engineer has designed the truss under the standards referenced within this document, not necessarily the current state building code. The engineering seal is not an approval to use in a specific state. The final determination on whether a truss design is acceptable under the locally adopted building code rest with the building official or designated appointee.

WARNING - ***Verify design parameters and READ NOTES***

Truss shall not be cut or modified without approval of the truss design engineer.
This component has only been designed for the loads noted on this drawing. Construction and lifting forces have not been considered. The builder is responsible for lifting methods and system design. Builder responsibilities are defined under TPI1. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult BCSI 1-06 from the Wood Truss Council of America and Truss Plate Institute Recommendation available from WTCA, 6300 Enterprise LN, Madison, WI 53719 J:\support\MitekSupp\templates\ufp.tpe

UFP Industries, Inc.
PHONE (616)-364-6161 FAX (616)-365-0060
2801 EAST BELTLINE RD, NE
GRAND RAPIDS, MI 49525

Job	Truss	Truss Type	Qty	Ply	
105035	P2027602	KINGPOST	1	2	Cozy Cabins 212 Girder Truss

UFP Industries Inc., Grand Rapids, MI 49525, Mike Patten — 8.420 e Sep 14 2020 MiTek Industries, Inc. Wed Feb 24 16:08:57 2021

Copyright ©2021 UFP Industries, Inc. All Rights Reserved

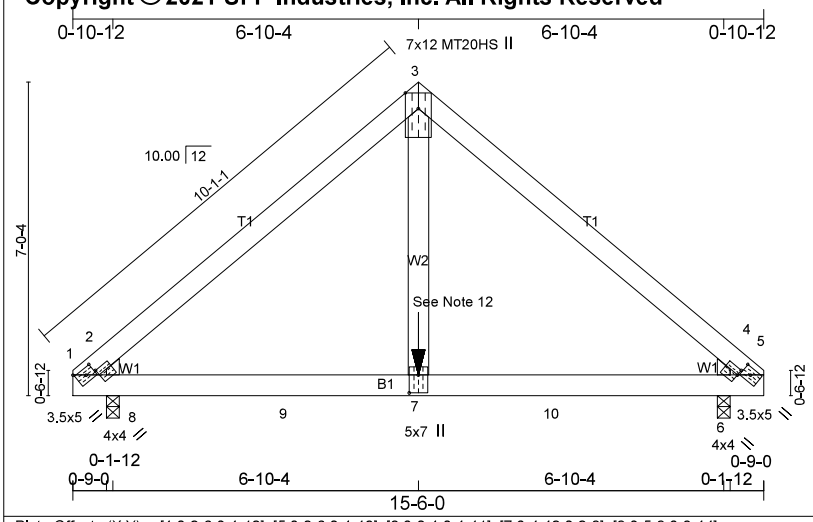


Plate Offsets (X,Y)-- [1:0-2-6,0-1-12], [5:0-2-6,0-1-12], [6:0-0-1,0-1-11], [7:0-4-12,0-2-8], [8:0-5-8,0-2-14]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	68.7	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.10	7	>999	240	MT20	197/144
(Ground Snow=96.0)		Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.11	7	>999	180	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.02	6	n/a	n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-R							Weight: 168 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x6 SP No.1
WEBS 2x4 SPF Stud *Except*
W2: 2x6 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=3653/0-3-8 (min. 0-2-5), 6=3653/0-3-8 (min. 0-2-5)
Max Horz 8=138(LC 7)
Max Uplift 8=-679(LC 8), 6=-679(LC 9)
Max Grav 8=3918(LC 12), 6=3918(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3541/725, 2-3=-4666/919, 3-4=-4666/918, 4-5=-3541/725
BOT CHORD 1-8=-625/3185, 8-9=-624/3182, 7-9=-624/3182, 7-10=-624/3182, 6-10=-624/3182, 5-6=-625/3185
WEBS 3-7=-1067/4914, 2-8=-2444/503, 4-6=-2444/503

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-4-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-16; Pg=96.0 psf; Ps=68.7 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=0.93; Ct=1.10
5) Roof design snow load has been reduced to account for slope.
6) Unbalanced snow loads have been considered for this design.
7) All plates are MT20 plates unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bc chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 679 lb uplift at joint 8 and 679 lb uplift at joint 6.
11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2737 lb down and 623 lb up at 7-9-0, and 2737 lb (and 623 lb up at 7-9-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

2/26/2021

The professional engineering seal indicates that a licensed professional engineer has designed the truss under the standards referenced within this document, not necessarily the current state building code. The engineering seal is not an approval to use in a specific state. The final determination on whether a truss design is acceptable under the locally adopted building code rest with the building official or designated appointee.

WARNING - ***Verify design parameters and READ NOTES***

Truss shall not be cut or modified without approval of the truss design engineer.
This component has only been designed for the loads noted on this drawing. Construction and lifting forces have not been considered. The builder is responsible for lifting methods and system design. Builder responsibilities are defined under TPI1. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult BCSI 1-06 from the Wood Truss Council of America and Truss Plate Institute Recommendation available from WTCA, 6300 Enterprise LN, Madison, WI 53719 J:\support\MitekSupp\templates\ufp.tpe

UFP Industries, Inc.
PHONE (616)-364-6161 FAX (616)-365-0060
2801 EAST BELTLINE RD, NE
GRAND RAPIDS, MI 49525

JOB CC-731 / NORMAN RIDGE DISPLAY / RENTAL

SHEET NO. 1 OF 1

CALCULATED BY Glenco DATE 3/11/2021

CHECKED BY DATE

Whole House Ventilation Supply Air Worksheet

Manual J Table 5A

Table 5A
Default Air Change Values for Three or Four Exposures

Construction	Air Changes per Hour (Heating)					Infiltration CFM for One Fireplace*
	Floor Area of Heated Space (SqFt)					
	900 or Less	901 to 1500	1501 to 2000	2001 to 3000	3000 or More	
Tight	0.21	0.16	0.14	0.11	0.10	0
Semi-Tight	0.41	0.31	0.26	0.22	0.19	13
Average	0.61	0.45	0.38	0.32	0.28	20
Semi-Loose	0.95	0.70	0.59	0.49	0.43	27
Loose	1.29	0.94	0.80	0.66	0.58	33

For one additional fireplace, add 7 CFM to the above fireplace values. For two or more additional fireplaces, add 10 CFM (total) to the above

2015 IRC Table M1507.3.3(1)

2018 IRC Table M1505.4.3(1)

2020 RCNYS Table M1505.4.3(1)

CONTINUOUS WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM AIRFLOW RATE REQUIREMENTS

DWELLING UNIT FLOOR AREA (square feet)	NUMBER OF BEDROOMS				
	0 – 1	2 – 3	4 – 5	6 – 7	> 7
	Airflow in CFM				
< 1,500	30	45	60	75	90
1,501 – 3,000	45	60	75	90	105
3,001 – 4,500	60	75	90	105	120
4,501 – 6,000	75	90	105	120	135
6,001 – 7,500	90	105	120	135	150
> 7,500	105	120	135	150	165

For SI: 1 square foot = 0.0929 m^2, 1 cubic foot per minute = 0.0004719 m^3/s.

Construction:	Semi-Tight	
1st story area sq.ft.	1719	sf
1st story ceiling height	11.37	ft
Total Building sq.ft.	1719	sf
Building volume cu.ft.	19545.0	cf
Air Change/Hr Value	0.26	ACH
(ACH*Volume)/60 min = CFM Provided	84.7	CFM
CFM Required per Table M1507.3.3(1)	60	CFM

03/30/2021

SUPPLY OK

Whole house ventilation exhaust is provided by a continuous bath fan. See electrical plan for the identified fixture location and size.