

3 BEDROOM - 2 BATH
NOMINAL SIZE 32'-0" x 80'-0"
ACTUAL SIZE 30'-0" x 76'-0"
TOTAL AREA: 2229 Sq. Ft.

STATE FLORIDA
CODES

2020 National Electrical Code
8TH EDITION (2023)Florida Energy Efficiency Code for
Building Construction (W/ 2024 SUPPLEMENT 1)
FAC-61-41 MANUFACTURED BUILDINGS
8TH EDITION (2023) Florida Residential Code (W/ 2024 SUPPLEMENT 1)
THESE PLANS COMPLY WITH RULE 61G20-3.006 FOR PRODUCT APPROVAL

DWELLING IS NOT SPRINKLED

CEILING HEIGHT: 8'-6" Max
MEAN ROOF HEIGHT: 15 FT

CLIMATE ZONE: 2
EXPOSURE FACTOR: C
SEISMIC ZONE C

DESIGN CRITERIA

OCCUPANCY GROUP SINGLE FAMILY DWELLING
CONSTRUCTION WOOD FRAME UNPROTECTION
RISK CATEGORY 2

LOAD REQUIREMENTS

FLOOR LIVE LOAD 40 PSF
FLOOR DEAD LOAD 10 PSF
WIND SPEED (VULT-160MPH)(VASD-124MPH)

This building shall not be installed in
locations with higher loads than designed
loads specified in this package



SITE INSTALLED ITEMS:

- THAT THIS LIST DOES NOT NECESSARILY LIMIT THE
3 OF WORK AND MATERIALS THAT MAY BE REQUIRED
FOR A COMPLETE INSTALLATION. ALL SITE RELATED ITEMS
ARE SUBJECT TO LOCAL JURISDICTION APPROVAL.
- 1. THE COMPLETE FOUNDATION SUPPORT AND TIE DOWN SYSTEM.
 - 2. RAMPS, STAIRS AND GENERAL ACCESS TO THE BUILDING.
 - 3. PORTABLE FIRE EXTINGUISHER(S).
 - 4. BUILDING DRAINS, CLEANOUTS, AND HOOK-UP TO PLUMBING SYSTEM.
 - 5. ELECTRICAL SERVICE HOOK-UP (INCLUDING FEEDERS) TO THE BUILDING.
 - 6. THE MAIN ELECTRICAL PANEL AND SUB-FEEDERS.
 - 7. CONNECTION OF ELECTRICAL CIRCUITS CROSSING OVER MODULE MATING LINE(S) - (MULTI-UNITS ONLY).
 - 8. STRUCTURAL AND AESTHETIC INTERCONNECTIONS BETWEEN MODULES (MULTI-UNITS ONLY).
 - 9. EXTERIOR GLAZING PROTECTION.
 - 10. GUTTERS & DOWN SPOUTS WHEN REQUIRED.
 - 11. HVAC EQUIPMENT AND CONNECTIONS.
 - 12. WASHER AND DRYER.
 - 13. FIREPLACE FLUE.
 - 14. MATELINE DOORS.
 - 15. BUILDING SHALL BE OVER 3' AWAY FROM ALL PROPERTY LINES.
 - 16. ALL PLUMBING BELOW FLOOR SYSTEM
 - 17. SINGLE RIDGE CAP AND SET-UP OF FOLD DOWN TRUSS IF APPLICABLE
 - 18. DRYER VENT TO BE RAN TO EXTERIOR
 - 19. RETURN AIR SIZE MUST BE CHECKED FOR PROPER SIZE WITH HEAT PUMP INSTALLATION
 - 20. HOME MUST BE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE.
 - 21. ADDRESS TO BE DISPLAYED ON SITE PER FRC R319.1
 - 22. GAS LINES TO BE FIELD SUPPLIED AND INSTALLED.

- FLORIDA BUILDING MAT.
- .01 SIMPSON STRONG TIE COMPONENTS
A. FL-10456-R8
 - .02 TAMKO SHINGLES
A. FL- 18355-R12
 - .03 ROOF MART METAL ROOFING
A. FL-12718.4
 - .04 ROOF UNDERLAYMENT
A. FL-16850-R8
 - .05 LIPPERT WINDOWS
A. FL- 993-R20
 - .06 RESERVED
 - .07 JELD-WN DOORS
A. FL- 13541.2
 - .08 THERMA-TRU DOORS
A. FL- 20461.9
 - .09 VINYL SIDING
A. FL- 15935 -R7
 - .10 SOFFIT
A. FL- 13139 -R8
 - .11 MURPHY LVL BEAM
A. FL- 18993-R3
B. FL- 17244-R6
 - .12 MITECH FASTENERS
A. FL- 2197-R21

STRUCTURAL SPECIFICATIONS INDEX

- TC01 COVER SHEET
- TC02 TYPICAL NOTE-(ELECTRICAL / WINDOW)
- TC03 TYPICAL FLOOR PLAN/ ELECTRICAL
- TC04 EXTERIOR ELEVATION
- TC05 TYPICIAL PLUMBING NOTES
- TC06 DWV LINES
- TC07 SUPPLY LINES
- TC08 TYPICAL CROSS SECTION (OFF-FRAME)(RESERVED)
- TC09 TYPICAL CROSS SECTION (ON-FRAME)
- TC10 HVAC DETAILS(Free Return Air)

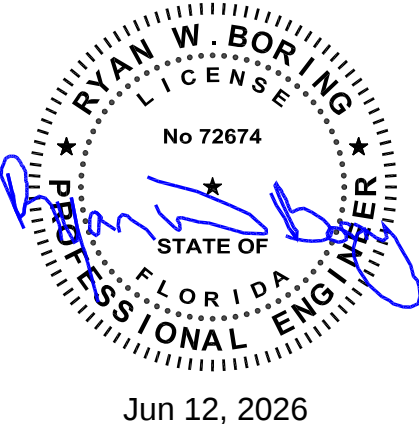
COMPONANTS & CLADDING DESIGN LOAD		
		VULT PRESSURES
ZONE	(+)	(-)
1	41.6	-103.1
2	41.6	-136.2
3	41.6	-178.7
4	55.8	-60.5
5	55.8	-74.7
OH1		-126.7
OH2		-174.0
OH3		-230.8

Wind Importance Factor: 1.0
Internal Pressure Coefficient: 0.18

GENERAL NOTES:

- 1. THESE PLANS COMPLY WITH RULE 61G20-3.006 FOR PRODUCT APPROVAL.
- 2. THIS BUILDING IS SUBJECT TO REVIEW AND APPROVAL OF THE FIRE INSPECTOR ON SITE WITH COMPLIANCE WITH CHAPTER 633 FIRE SAFETY CODE.
- 3. THE MANUFACTURER'S DATA SHEET AND THE STATE (DBPR) INSIGNIA SHALL BE PERMANTLY MOUNTED TO OR ABOUT THE ELECTRICAL PANEL.
- 4. THE RAISED SEAL SET OR ELECTRONIC SEALED SET) OF PLANS ARE ON FILE IN THE 3 RD PARTY AGENCY'S OFFICE AS DIRECTED BY THE DBPR..
- 5. THIS STRUCTURE HAS BEEN DESIGNED FOR ERECTION OR INSTALLATION ON SITE BUILT PERMANENT FOUNDATION AND IS NOT DESIGNED TO BE MOVED ONCE SO ERECTED OR INSTALLED..
- 6. BUILDING HAS NOT BEEN DESIGNED OR APPROVED FOR PLACEMENT IN HIGH VELOCITY HURRICANE ZONES (HVHZ).
- 7. LIGHT AND VENTILATION PROVIDED WILL BE IN ACCORDANCE WITH 8% OF THE ROOM AREA FOR LIGHT AND 4% OF THE ROOM AREA FOR VENTILATION.
- 8. OVERALL DIMENSIONS OF HOME WILL VARY ACCORDING TO THICKNESS OF SHEATHING MATERIAL INSTALLED TO THE EXTERIOR SURFACE OF EXTERIOR WALLS AND TO EXTERIOR SURFACE OF THE MARRIAGE WALLS OF EACH HOME SECTION.
- 9. EGRESS WINDOWS SHALL HAVE A MIN. CLEAR WIDTH OF 20" AND A MIN. CLEAR HEIGHT OF 24" WITH A TOTAL CLEAR OPENING OF 5.7 SQ.FT. WINDOW GUARDS ARE PROVIDED AND INSTALLED BY OTHERS WHEN NEEDED PER CURRENT IRC.
- 10. CLOTHS DRYER EXHAUST ON SITE BY OTHERS.
- 11. ALL EXHAUST AIR FROMRANGE HOODS AND BATHROOM VENTS SHALL BE VENTED TO THE EXTERIOR.
- 12. ATTIC ACCESS OPENING SHALL BEAR A MINIMUM DIMENSION OF 22" X 30" WITH A VERTICAL HEIGHT OF 30". THE ACCESS HOLE MUST BE INSULATED TO THE SAME R-VALUE AS REQUIRED FOR THE ROOF/CEILING CONSTRUCTION(PER CURRENT IECC CODE)
- 13. ALL SOURCES OF POSSIBLE AIR INFILTRATION ARE REQUIRED TO BE CAULKED, GASKETED, WEATHER STRIPPED, WRAPPED , OR OTHERWISE SEALED TO LIMIT AIR MOVEMENT.
- 14. 10. SMOKE-DEVELOPED INDEX. WALL AND CEILING FINISHES SHALL HAVE A SMOKE-DEVELOPED INDEX OF NOT GREATER THAN 450 CARBON MONOXIDE DETECTORS CO SHALL BE UL 2034 COMPLIANT.

DATE 6-16-2026 CERT. NO SMP-056
PLAN NUMBER MFT15339-CSM-3268
APPROVED BY Michael Faller
(signature)



These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:



Const. Type: VB
Occupancy: Single Family Dwelling
Allowable No. of Floors: 1
Wind Velocity: 160 MPH Vult
Fire Rating of Ext. Walls: 0
Plan No.: MFT15339-CSM-3268
Allow. Floor Load: 40
Approval Date: 06/16/2026
Manufacturer: Timber Creek Housing

REVISIONS		CUSTOMER: TIMBER CREEK HOUSING LLC 674 Co Rd 65, Bear Creek, AL 35543	APPROVAL STAMP:	PREPARED BY:	SCALE:
				J. TRIPLETT	NTS
				PRINT DATE:	04/14/26
				TITLE:	COVER SHEET
				MODEL:	CSM-3268
				ALT. MODEL:	MFT-15339-CS-3268
					TC01

LIPPERT G7 WINDOWS					
DESCRIPTION	LIGHT	VENT	R.O.	U-FACTOR	SHGC
36 X 8	1.01	N/A	1.65	.29	.21
24 X 40	5.51	2.83	6.66	.29	.21
30 X 60	9.95	5.02	12.50	.29	.21
36 X 60	12.21	6.13	15.16	.29	.21
40 X 40	8.66	N/A	11.25	.29	.21
46 X 60	14.38	7.42	19.16	.29	.21
36 X 72	16.13	6.74	18.00	.29	.21

DESCRIPTION	LIGHT	VENT	R.O.	U-VALUE	SHGC.
DUNBARTON DOORS					
38 X 82 6 PANEL	N/A	N/A	21.63	.29	.05
38 X 82 9-LITE	N/A	N/A	21.63	.44	.24
38 X 82 ROUNDTOP	N/A	N/A	21.63	.41	.21
38 X 82 3/4 OVAL	N/A	N/A	21.63	.41	.21
38 X 82 FULL OVAL	N/A	N/A	21.63	.43	.24
38 X 82 15-LITE	N/A	N/A	21.63	.51	.32
72 X 80 SLIDING GLASS DOOR	32.61	15.49	39.08	.27	.21
ALL DOORS WITH GLAZING TO HAVE SAFETY GLAZING ALL WINDOWS MARKED WITH SG TO BE SAFETY GLAZED					

LOAD CALCULATION	Worst Case	30'-0" x 86'-0"
2580 SF x 3 Watts / 1000		7.74 KW
APPL. CIRCUITS		4.5 KW
RANGE CIRCUIT		12.0 KW
LAUNDRY CIRCUIT		1.5 KW
WATER HEATER CIRCUIT		4.5 KW
DRYER CIRCUIT		5.0 KW
WASHER CIRCUIT		1.5 KW
GAS FURNACE MOTOR		1.0 KW
DISHWASHER		1.4 KW
RANGE HOOD VENT FAN		.25 KW
BATHROOM VENT FAN		.40 KW
HYDRO-MASSAGE TUB		2.0 KW
TOTAL LOAD:		41.79 KW
HEATING EQUIPMENT: 24 kw (@ 65%)		15.6 KW
COOLING EQUIPMENT: 10.5 kw (@ 100%)		10.5 KW
10 kVA X 100%		10.0
(41.79- 10.0) = 31.79 X 40%		12.72
HVAC EQUIPMENT (MAX. Heating or Cooling)		15.6
DESIGN TOTAL:		38.32 kVA
(38.32 / 240-Volts) x 1000		
TOTAL AMPS:		159.66 Amps
Install 200 Amp (MIN), 120/240-Volt, Single Phase, Ele. Service Panel		

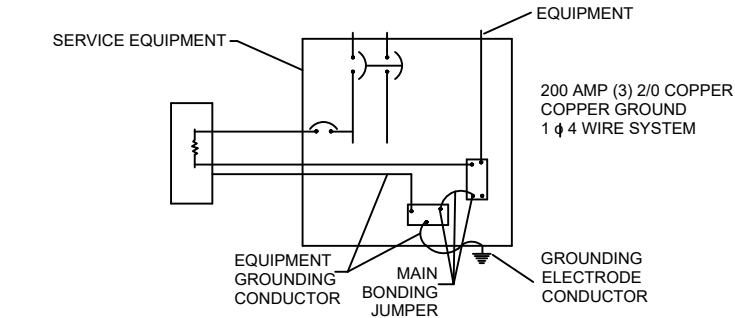
ELECTRIC CIRCUIT SCHEDULE									
PER MANUFACTURERS RECOMENDATION/APPLIANCE DEMAND PLUS 125% CONTINUOUS AND/OR MOTOR LOAD FACTOR KITCHEN, DISWAHSER, FREEZER & WASHER, CIRCUITS MUST BE GFI & ARC FAULT PROTECTED ALL OTHER 15A & 20A CIRCUITS MUST BE ARC FAULT PROTECTED ALL CIRCUITS 125V, 15A & 20A MUST BE TAMPER -RESISTANT.									
CIR. NO.	PURPOSE	AMPS (POLES)	VOLTS	WIRE SIZE	CIR. NO.	PURPOSE	AMPS (POLES)	VOLTS	WIRE SIZE
1	SMALL APPLIANCES	20 (1)	120	12	20	COOKTOP	40 (2)	240	8
2	SMALL APPLIANCES	20 (1)	120	12	21	OPT. DISHWASHER	20 (1)	120	12
3	SMALL APPLIANCES	20 (1)	120	12	22	OPT. DISPOSAL	15 (1)	120	12
4	SMALL APPLIANCES	20 (1)	120	12	23	EXTERIOR RECEPT	20 (1)	120	12
5	GENERAL PURPOSE	15 (1)	120	12	24	SMOKE DETECTORS	15 (1)	120	14
6	GENERAL PURPOSE	15 (1)	120	12	25	UTILITY	20 (1)	120	12
7	GENERAL PURPOSE	15 (1)	120	12	26	GENERAL PURPOSE	15 (1)	120	12
8	GENERAL PURPOSE	15 (1)	120	12	27	GENERAL PURPOSE	15 (1)	120	12
9	GENERAL PURPOSE	15 (1)	120	12	28	OPT. MICROWAVE	20 (1)	120	12
10	GENERAL PURPOSE	15 (1)	120	12					
11	BATHS	20 (1)	120	12					
12	OPT. GAS FURN.	15 (1)	120	12					
13	FURNACE	****	****	****					
14	WATER HEATER	25 (2)	240	10					
15	OPT. WATER HEATER	****	****	****					
16	LAUNDRY (WASHER)	20 (1)	120	12					
17	DRYER	30 (2)	240	10					
18	RANGE	40 (2)	240	8					
19	WALL OVEN	40 (2)	240	8					

- ELECTRICAL NOTES:
- 1) RECEIPT REQ'D IN HALLWAYS OVER 10' MIN. IN LENGTH.
 - 2) ALL ELECTRICAL WIRING TO BE IN COMPLIANCE WITH N.E.C. PER STATE REQUIREMENT.
 - 3) TWO EXTERIOR G.F.I./W/P RECEIPTS REQUIRED. ONE LOCATED ON THE FRONT OF THE HOME, AND ONE LOCATED ON THE REAR OF THE HOME.
 - 4) ALL BRANCH CIRCUITS THAT SUPPLY 125 VOLT, SINGLE PHASE 15-20 amp OUTLETS INSTALLED IN DWELLING UNIT BEDROOMS SHALL BE PROTECTED BY AFCI LISTED TO PROVIDE PROTECTION OF THE ENTIRE BRANCH CIRCUIT.
 - 5) KITCHEN COUNTERTOP SWITCHES AND RECEIPTS ARE TO BE DIRECTLY ABOVE OR WITHIN 12" OF COUNTERTOP.
 - 6) ALL BOX SIZING IN COMPLIANCE WITH N.E.C. PER STATE REQUIREMENT.
 - 7) SMOKE DETECTORS SHALL BE INSTALLED OUTSIDE OF EACH SEPERATE SLEEPING AREA AND MUST BE INSTALLED IN EACH BEDROOM. AT LEAST ONE (1) SMOKE DETECTOR MUST BE INSTALLED ON EACH LEVEL, INCLUDING BASEMENTS. ALL SMOKE DETECTORS WITHIN A DWELLING UNIT SHALL BE AC/DC AND INTERCONNECTED TO PROVIDE SIMULTANEOUS ACTIVATION, AND SHALL RECEIVE POWER FROM A BATTERY WHEN PRIMARY POWER INTERRUPTED.
 - 8) ALL ELECTRICAL CONDUCTORS AND EQUIPMENT SHALL BE LISTED OR LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY AND IN COMBINATION WITH LISTING AND LABELING, CONDUCTORS AND EQUIPMENT SHALL BE SUITABLE FOR LOCATION AND USE.
 - 9) IN MODELS WITHOUT UPSTAIR UTILITY AREA, APPLIANCES SUCH AS WATER HEATERS, WASHERS, AND DRYERS ARE LOCATED IN BASEMENT AND FIELD WIRED BY OTHERS.
 - 10) WHEN PANEL BOX IS NOT LOCATED ON OR DIRECTLY ADJACENT TO EXTERIOR WALL OF HOME, A SERVICE DISCONNECT MUST BE INSTALLED ON SITE AT THE NEAREST POINT OF ENTRANCE OF SERVICE CONDUCTORS. THIS INFORMATION MUST OCCUR ON THE DATA PLATE OF HOMES WHERE SUCH CONDITIONS EXIST.
 - 11) BUILDER/DEALER TO SUPPLY AND INSTALL ALL MATERIALS NOT PROVIDED BY MANUFACTURERS FOR COMPLETE ELECTRICAL HOOK-UP.
 - 12) ALL RECEIPTS IN BATHROOMS AND EXTERIOR OF HOME SHALL BE PROTECTED BY G.F.I. WHIRLPOOL TUBS ON A SEPERATE BREAKER AND GFI PROTECTED.
 - 13) ALL RECEIPTS ABOVE COUNTERTOPS TO BE PROTECTED BY G.F.I.
 - 14) ELECTRICAL SERVICE TO BE GROUNDED IN FIELD BY OTHERS AFTER CIRCUITS HAVE BEEN COMPLETED ACCORDING TO LOCAL REQUIREMENTS.
 - 15) NON-METALIC SHEATHED CABLE SHALL BE SECURED IN PLACE AT INTERVALS NOT EXCEEDING 4 1/2" AND WITHIN 12" FROM EVERY CABINET, BOX OR FITTING.
 - 16) NON-METALIC SHEATHED CABLE PASSING THRU FRAMING MEMBER WITHIN 1 1/4" OF THE EDGE OF SUCH FRAMING MEMBER ARE PROTECTED WITH A 1/16" THICK STEEL BUSHING. CABLE PASSING THRU NOTCHES ARE PROTECTED WITH 1/16" THICK STUD STEEL PLATES.
 - 17) SURFACE MOUNTED INCANDESCENT FIXTURES INSTALLED ON THE WALL ABOVE THE DOOR OR ON THE CEILING PROVIDED THER IS A MINIMUM CLEARANCE OF 12" BETWEEN THE FIXTURE AND THE NEAREST POINT OF A STORAGE AREA. NEC-410-8(d)(1)
 - 18) ANY LIGHT LOCATED IN A WET LOCATION MUST BE OF THE ENCLOSED & GASKETED CS-3245E LISTED FOR WET LOCATIONS.
 - 19) CARBON MONOXIDE ALARMS SHALL BE INSTALLED OUT SIDE OF SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOM IN DWELLING UNITS WITHIN WHICH FUEL-FIRED APPLIANCES ARE INSTALLED AND IN DWELLING UNITS THAT HAVE ATTACHED GARAGES.(R315.1)
 - 20) RECESSED LUMINARY LIGHTS, FAN MOTERS AND OTHER HEAT PRODUCING DEVICES SHALL HAVE COMBUSTIBLE INSULATION SPACED A MINIMUM OF 3" FROM HEAT SOURCE

⦿ 110 RECEIPT	⦿ 220 RECEIPT	■ FLUORESCENT LIGHT
Ⓜ FLOOR RECEIPT	Ⓜ BATH FAN	Ⓜ
Ⓜ G.F.I. RECEIPT	■ ELECT. PANEL BOX	
Ⓜ THERMOSTAT	Ⓜ SINGLE SWITCH	
Ⓜ CAN LIGHT	Ⓜ DBL. SWITCH	
Ⓜ PENDANT/STEM LIGHT	Ⓜ CEILING JUNCTION BOX	
Ⓜ INCANDESCENT LIGHT	Ⓜ SMOKE DETECTOR	
Ⓜ OUTSIDE LIGHT	Ⓜ SMOKE DETECTOR WITH CARBON MONOXIDE DETECTION	
Ⓜ CEILING FAN W/LIGHT	Ⓜ MEDIA JACK	

MODULAR GROUNDING DETAIL
200 MAIN SERVICE ENTRANCE

GROUNDING FOR GROUNDED SYSTEMS. SHOWING CONNECTION OF EQUIPMENT GROUNDING BUS TO THE ENCLOSURES AND THE GROUNDED CONDUCTOR. ALL EXPOSED METAL PARTS TO BE GROUNDED TO MAIN BONDING JUMPER (METAL FRAME, GAS LINE, HEAT DUCT, ETC.)



MANUFACTURERS SPECIFICATIONS

- 1) SERVICE PANEL 200 AMP
- 2) SET CONNECTOR FOR CONDUIT
- 3) NEUTRAL CONDUCTOR-WHITE NO. 2/0 THW-COP.
- 4) MAIN CONDUCTOR-RED AND BLACK 2/0 MCM-THW-CU.
- 5) GROUND CONDUCTOR-GREEN NO. 4 THW-COP.
- 6) 2" CONDUIT-EMT PVC OR EQUAL.
- 7) 12 x 12 x 4 WEATHER PROOF BOX-SCREW COVER.
- 8) SOLDERLESS CONNECTORS
- 9) #4 GROUNDING ELECTRODE CONDUCTOR

NOTE:
SERVICE CONNECTION TO POWER SOURCE SHALL BE PROVIDED BY OTHERS.

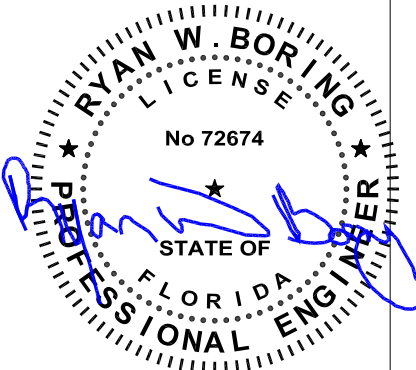
FEEDER ASSEMBLY DETAILS
200 AMP UNDERGROUND

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
NIA INC.

Consd. Typel: Occupancy: Allowable No. of Floors: Wind Velocity: Fire Rating of Ext. Walls: Plan No.: Allow. Floor Load: Approval Date: Manufacturer:

V/B Single Family Dwelling 1 160 MPH Vult 0 MFT15339-CSM-3268 40 05-16-2026 Timber Creek Housing



Jun 12, 2026

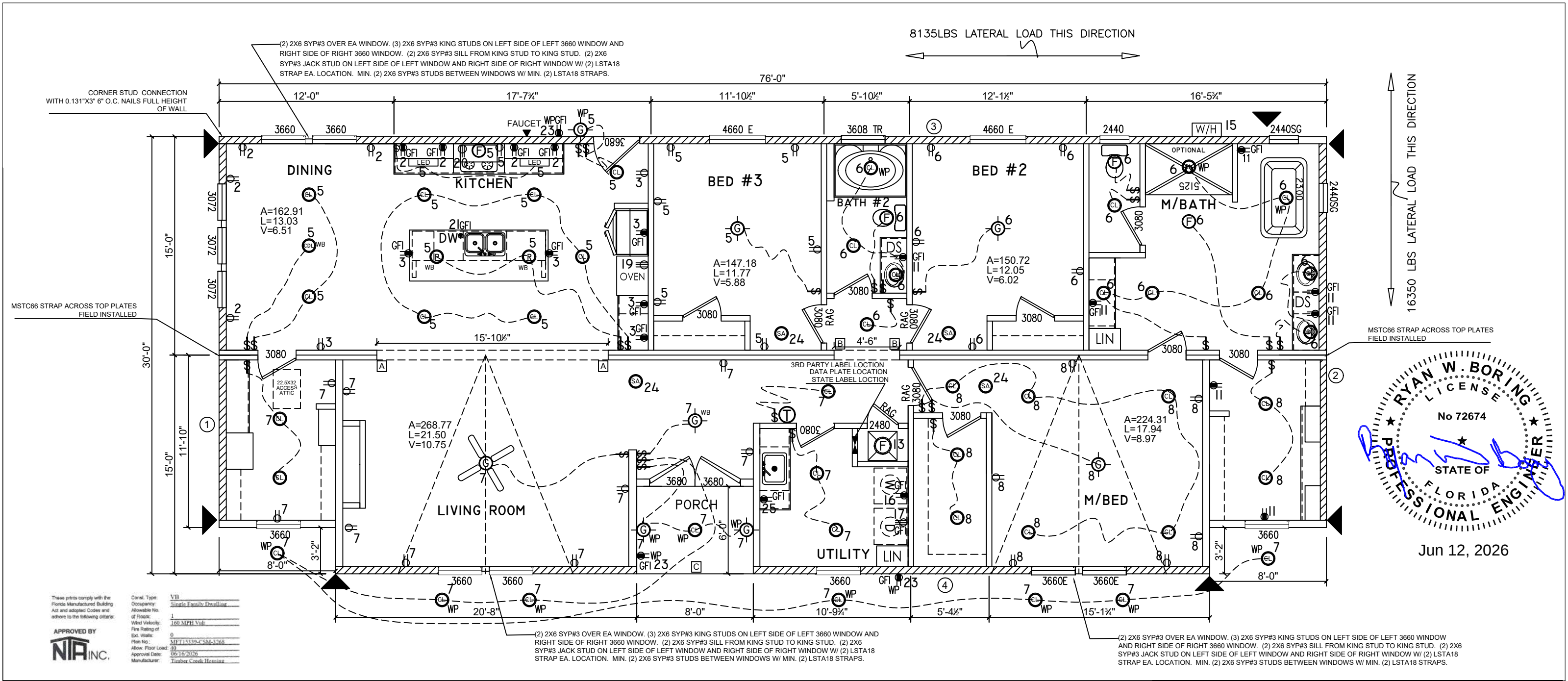
REVISIONS	
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TIMBER CREEK
HOUSING LLC

674 Co Rd 65, Bear Creek, AL 35543

PREPARED BY:	J. TRIPLETT	SCALE:	NTS
PRINT DATE:	04/14/26	REV:	--
TITLE:	TYPICAL NOTES		
MODEL:	CSM-3268	DWG. NO.:	
ALT. MODEL:	MFT-15339-CS-3268		TC02



- [A] 1.5"x18" LVL EACH HALF W/ (5) LSTA18 STRAPS FASTENED W/ (7) 10D NAILS EACH END OF STRAP ATTACHED TO (5) #3 2X4 SYP STUDS
- [B] (1) #3 2X12 SYP EACH HALF W/ (2) LSTA18 STRAPS FASTENED W/ (7) 10D NAILS EACH END OF STRAP ATTACHED TO (2) #3 2X4 SYP STUDS
- [C] ATTACH TRUSS TO (2) 1.5"x7.25" LVL - NOTCH HEADER INTO SIDEWALL PROVIDING MIN. 3" BEARING EACH END. STRAP HEADER TO (3) 2X6 SYP #3 WALL STUDS WITH (3) LSTA18 STRAPS. STRAP WALL STUDS TO FLOOR WITH (3) LSTA18 STRAPS.

2" O.C. SHEATHING FASTENING TO BE STAGGERED WITH DOUBLE FRAMING AT ADJOINING PANEL EDGES						ROOF DIAPHRAGM NOTES:	
NO.	PLF	MATERIAL	FASTENER	SPACING	HOLD DOWN #	SIMPSON HOLD DOWN REQUIRED	ALT. LSTA18 STRAPS
1	373	7/16" OSB	7/16" X 1 3/4" 15 GA STAPLES	3" O.C. EDGE, 8" O.C. FIELD	3168	HDU4 (1)	3
2	204	7/16" OSB	7/16" X 1 3/4" 15 GA STAPLES	4" O.C. EDGE, 8" O.C. FIELD	1730	HDU4 (1)	2
3	73	7/16" OSB	7/16" X 1 3/4" 15 GA STAPLES	4" O.C. EDGE, 8" O.C. FIELD	615	HDU4 (1)	1
4	119	7/16" OSB	7/16" X 1 3/4" 15 GA STAPLES	4" O.C. EDGE, 8" O.C. FIELD	1008	HDU4 (1)	1
						ALL SIDE WALL HEADERS:	
						(2) 2X6 SYP #3 WITH (2) 2X6 SYP #3 KING STUDS.	
						(2) 2X6 SYP #3 JACK STUDS AND (2) LSTA18 STRAPS EACH END.	
						= HOLD DOWN LOCATION	
						SHALL BE 7/16" RATED SHEATHING (MIN.)	
						FASTEN SHEATHING TO ROOF FRAMING WITH:	
						MAIN UNIT	
						.131X2.5" NAILS	
						INTERIOR ZONES FASTENED 6" O.C. EDGE 9" O.C. FIELD	
						END ZONES FASTENED 6" O.C. EDGE 5" O.C. FIELD	
						UNBLOCKED	
						CHORD SPLICE: FASTEN TOP PLATE	
						SPLICES W/(18) 0.131"x3" NAILS	
						EACH SIDE OF SPLICE	

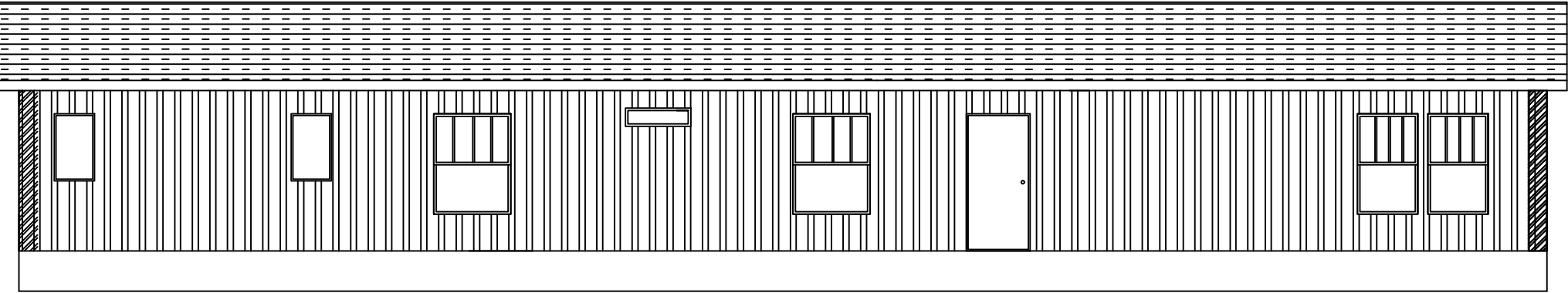
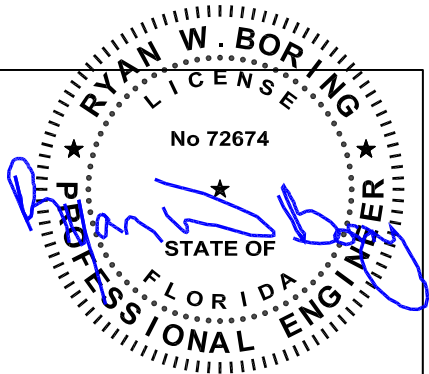
TIMBER CREEK
HOUSING LLC
674 Co Rd 65, Bear Creek, AL 35543

PREPARED BY:	J. TRIPLETT	SCALE:	NTS
PRINT DATE:	04/14/26	REV:	--
TITLE:	FLOOR PLAN		
MODEL:	CSM-3268	DWG. NO.:	TC03
ALT. MODEL:	MFT-15339-CS-3268		

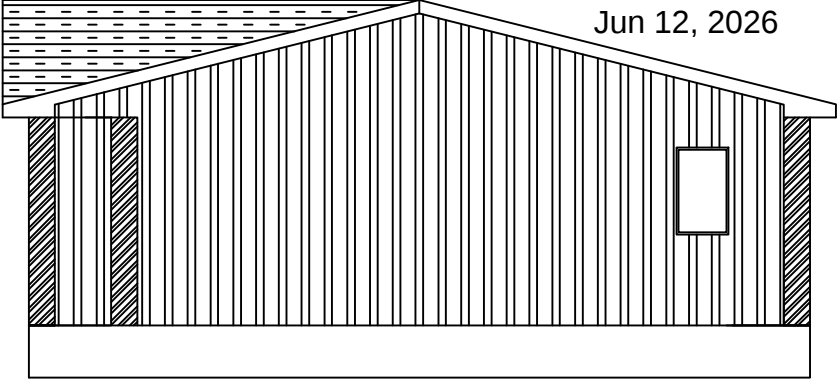
These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:



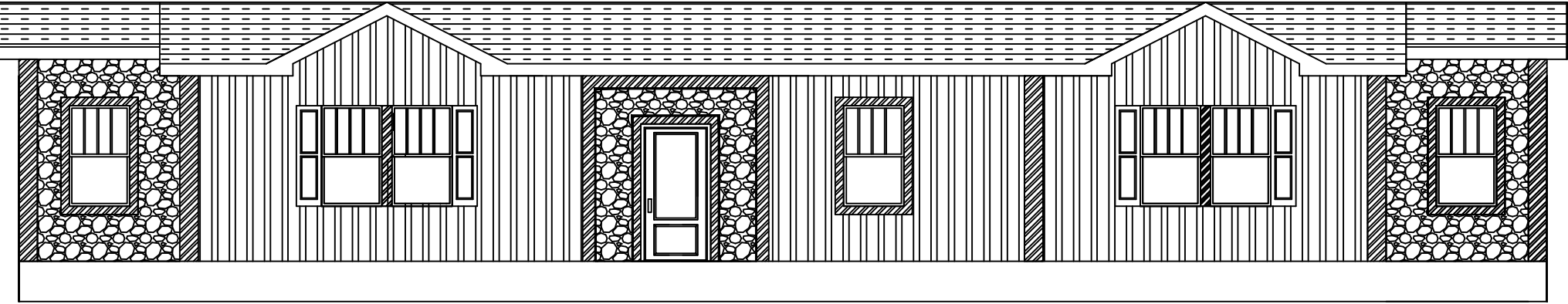
Const. Type:	VB
Occupancy:	Single Family Dwelling
Allowable No. of Floors:	1
Wind Velocity:	160 MPH Vult
Fire Rating of Ext. Walls:	0
Plan No.:	MFT15339-CSM-3268
Allow. Floor Load:	40
Approval Date:	06/16/2026
Manufacturer:	Timber Creek Housing



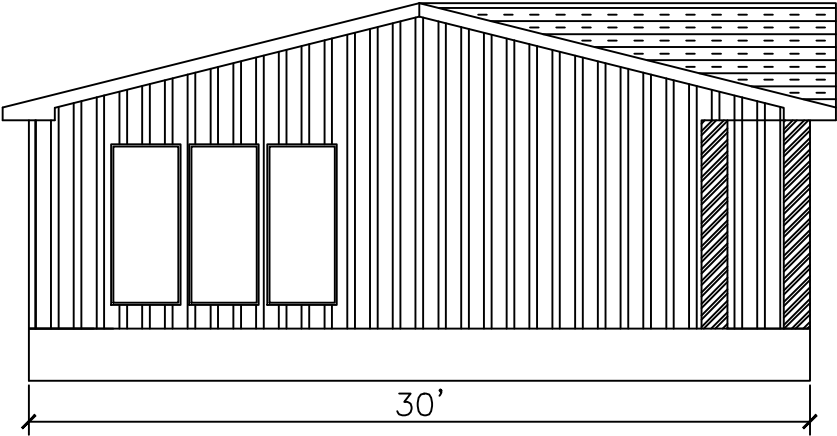
REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION



RIGHT ELEVATION

NOTES

1. ALL ITEMS ARE COMPLETED IN THE MANUFACTURING FACILITY UNLESS NOTED OTHERWISE.

* 2. SIDING FOR ENDS IS SHIPPED LOOSE FOR ON SITE INSTALLATION BY OTHERS.

* 3. HANDRAILS, STOOPS, STAIRS, GUTTERS, DOWNSPOUTS, STORM SHUTTERS OR REMOVABLE TYPE COVERINGS, AND SPLASH BLOCKS ARE FURNISHED AND INSTALLED BY OTHERS IN ACCORDANCE WITH STATE AND LOCAL CODES.

4. ALL ELEVATIONS ARE SHOWN WITH 2.16 TO 7/12 ROOF PITCH.

5. WINDOWS ARE SIZED PER WINDOW SCHEDULE AND VARY FROM FLOORPLAN TO FLOORPLAN.

* 6. ALL FOUNDATION WORK IS COMPLETED ON SITE BY OTHERS.

7. ALL DRAIN, AND WASTE VENTS SHALL TERMINATE A MINIMUM OF 12" ABOVE THE ROOF LINE.

8. PATIO DOORS ARE AVAILABLE PER FLOOR PLAN.

9. SIDING SHOWN IS 4", OTHER SIZES ARE AVAILABLE.
10. SHUTTERS ARE STANDARD ON THE FRONT AND RIGHT SIDE OF THE HOME, AND MAY BE OPTIONED FOR THE REAR AND LEFT SIDE.

11. TERMINATION HEIGHT OF METAL CHIMNEYS SHALL BE A MIN. 3'-0" ABOVE THE HIGHEST POINT WHERE THEY PASS THRU THE ROOF AND A MINIMUM OF 2'-0" HIGHER THAN ANY PORTION OF A BUILDING WITHIN 10'-0". THE CHIMNEY IS TO BE SITE INSTALLED.

12. ATTIC ROOF SPACE VENTILATION SHALL BE 1/300 OF ROOF AREA WITH UPPER HALF PROVIDING MIN.50%-MAX 80% OF THE VENTILATION.

1/300 OF ATTIC AREA.

1/150 AT ROOF VENTS.

1/150 AT EAVE.

13. ROOF COVERING (SHINGLES) SHALL MEET THE REQUIREMENTS OF ASTM D 3161.
14. Crawlspace Access min. 18" x 24" location may vary.

15. Minimum crawlspace ventilation required must be 1/150 of crawlspace and within 3' of each corner and must meet all local code requirements. Access min. 18" x 24".

* ITEMS INSTALLED ON SITE BY OTHERS

For future garage siding to be removed and the garage shall be completely separated from the adjacent interior spaces and attic by means of 5/8" gypsum board or equiv. applied to the garage by owner.

* A 1 3/8" steel door W/A 20 min. fire rating shall be used between garage and residence. The sills for these doors shall be raised not more than 4" above the garage door.



TIMBER CREEK
HOUSING LLC

674 Co Rd 65, Bear Creek, AL 35543

PREPARED BY: J.TRIPLETT		SCALE: NTS
PRINT DATE: 04/14/26		REV: --
TITLE: EXTERIOR ELEVATIONS		
MODEL: CSM-3268		DWG. NO: TC04
ALT. MODEL: MFT-15339-CS-3268		

DRAIN SIZE	TRAP ARM LENGTH PER 1/4" SLOPE
1-1/4"	5'-0"
1-1/2"	6'-0"
2"	'8-0"
3"	'12-0"
4"	'16-0"

TABLE 506 - WATER HEATER SIZING												
NUMBER OF BATHROOMS	1 TO 1.5			2 TO 2.5				3 TO 3.5				
NUMBER OF BEDROOMS	1	2	3	2	3	4	5	3	4	5	6	
FIRST HOUR RATING IN GALLONS	38	49	49	49	62	62	74	62	74	74	74	

NOTES:

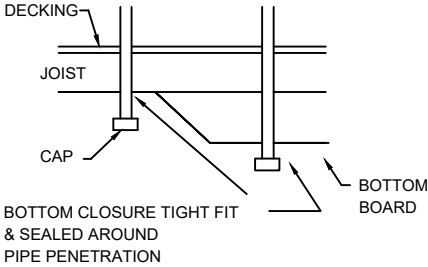
(A) = INLET WITH CAP & CHAIN.

(B) = 3/4 RELIEF DRAIN THRU FLOOR.

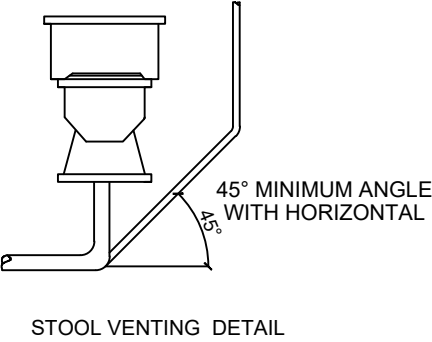
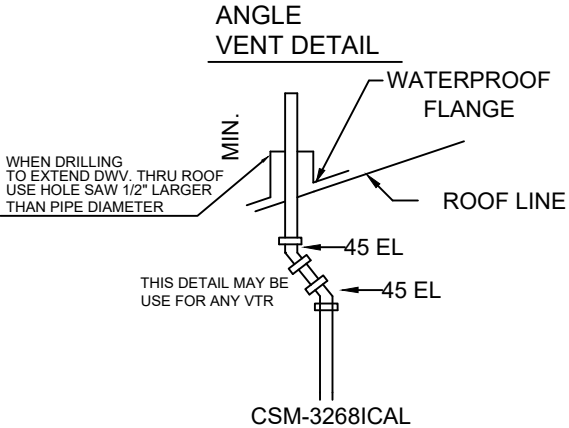
ALL WATER LINES 1/2" UNLESS OTHERWISE SHOWN.

PIPING SUPPORT	
HOT & COLD FLEXIBLE	MAX. SPACING HORZ.&VERT.
3/4" & 1"	2'-8"

* WATER DISTRIBUTION PIPE
PEX WATER LINES AND FITTINGS
(OPT. COPPER WATER LINES CSM-3268E M)

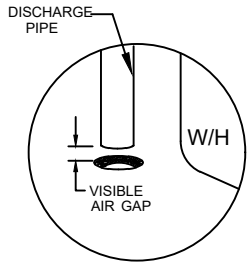


FLOOR DETAIL

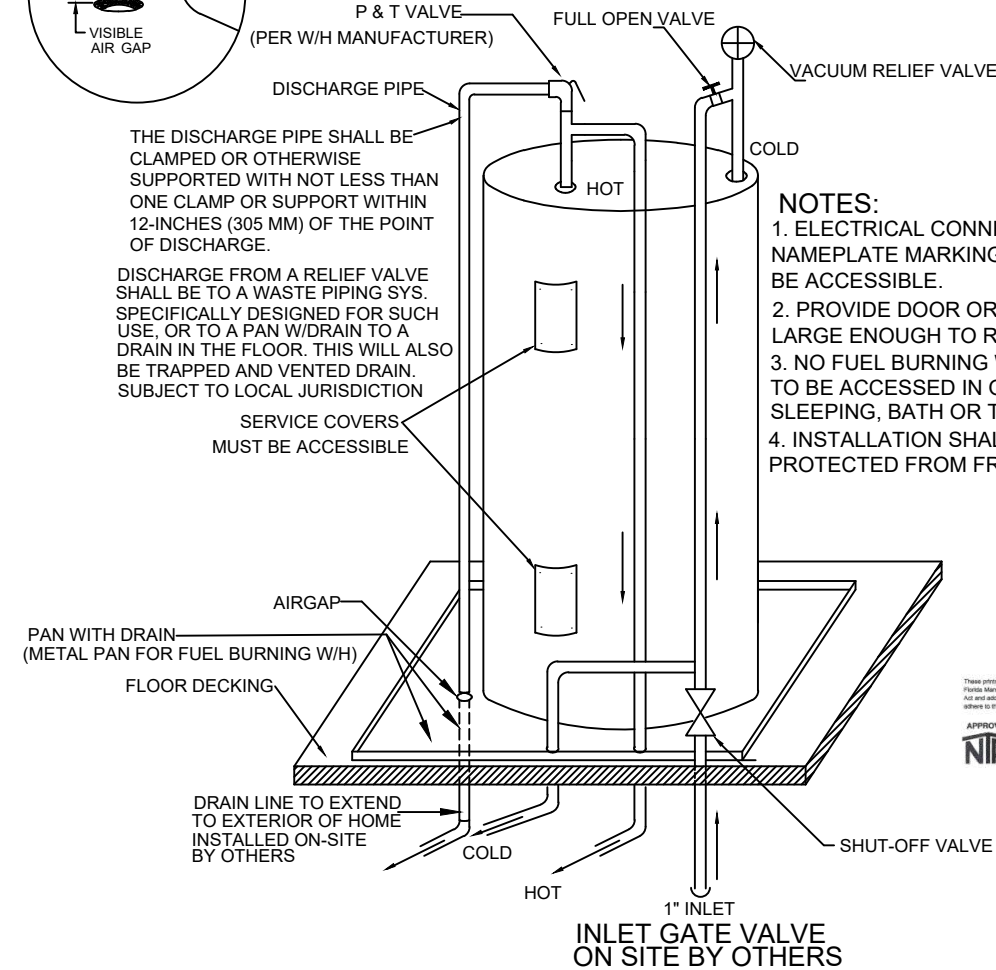


NOTE:

- 1) MAXIMUM FLOW RATE TO BE 2.2 GPM FOR FAUCETS @60 PSI AND 2.5 GPM FOR SHOWERS @ 80 PSI.
- 2) DRAINWASTE AND VENT LINES PVC SHALL MEET ASTM D2665-89a REQUIREMENTS.
- 3) WATER DISTRIBUTION SYSTEM PIPING MAY BE POLYBUTYLENE, CPVC, COPPER, GALV. STEEL OR PEX
- 4) DRAIN LINE SLOPE TO BE 1/4" MIN./FT.
- 5) VACUUM BREAKS TO BE INSTALLED ON HOSE BIBBS, AND FROST FREE SILLOCKS.
- 6) AN ADEQUATELY RATED PRESSURE AND TEMPERATURE RELIEF VALVE IS TO BE PROVIDED FOR WATER HEATER.
- 7) FOR EACH DWELLING, MIN (1) 3" MAIN VENT UNDIMINISHED IN SIZE THRU ROOF
- 8) (KENTUCKY ONLY) ALL VENT STACKS LESS THAN 3" I.D. WHICH PASS THROUGH ROOF SHALL INCREASE TO 3' I.D. AT A POINT 12" MIN. BELOW ROOF LINE AND EXTEND TO A POINT 12" MIN. ABOVE ROOF LINE. 3" I.D. CONTINUOUS STACKS SHALL TERMINATE 12" MIN. ABOVE ROOF LINE IN FROST PRONE AREAS.
- 9) TUBS MAY NOT BE WET VENTED DOWNSTREAM OF WATER CLOSET.
- 10) HEIGHT OF WATERPROOFING IN TUB AND SHOWER SPACE 6-0 MIN. ABOVE FLOOR
- 11) PLASTIC PIPE SHALL BE SUPPORTED EVERY 4-0 HORIZONTALLY AND VERTICALLY
- 12) BATH TUBS AND SHOWERS ARE LISTED BY AN APPROVED AGENCY
- 13) MODELS WITH BASEMENTS MAY LOCATE WASHER IN BASEMENT TO BE CONNECTED ON SITE BY OTHERS.
- 14) HORIZONTAL TO VERTICAL CONNECTION TO BE WITH SANITARY TEES
- 15) HORIZONTAL TO HORIZONTAL AND VERTICAL TO HORIZONTAL CONNECTIONS TO BE MADE WITH LONG TURN OR TEE WYE FITTINGS.
- 16) PRESSURE TEMPERATURE RELIEF VALVE SHALL PIPE TO A VISIBLE AIR GAP AT FLOOR IN THE SAME SPACE AS WATER HEATER . WHEN WATER HEATER IS ON FIRST OR SECOND FLOOR A PAN SHALL BE PROVIDED & ITS DRAIN SHALL PIPE BELOW FIRST FLOOR. DRAIN SHALL PIPE & DISCHARGE INDIRECTLY TO A HAZARD FREE POINT.
- 17) MAX. DISTANCE OF FIXTURE TRAP TO VENT 1 1/2 IS 3-6, 2" IS 5-0, 3" IS 6-0
- 18) AIR ADMITTANCE VALVES ARE PERMITTED WHEN INSTALLED ACCORDING TO THEIR LISTING. LA, KY, IL, DOESN'T ALLOW AIR ADMITTANCE
- 19) ALL HORIZONTAL VENT BRANCH PIPING SHALL BE LOCATED A MINIMUM OF SIX (6) INCHES ABOVE THE FLOOD LEVEL OF THE HIGHEST FIXTURE SERVED IN THAT BRANCH.
- 20) FIXTURES HAVING CONCEALED CONNECTIONS SHALL BE ARRANGED TO MAKE THE CONNECTIONS ACCESSIBLE FOR INSPECTION AND REPAIR.
- 21) ALL PLUMBING SHALL BE TESTED IN PLANT AND NO PLUMBING SHALL BE COVERED OR CONCEALED BEFORE BEING TESTED.
- 22) WATER CLOSET SHALL BE 1.6 GALLONS PER FLUSH (MAXIMUM)
- 23) PLASTIC PIPING SHALL BE PROTECTED WITH A STEEL PLATE (18 GA. MIN.) WHEN PIPE PASSES THROUGH WOOD MEMBERS LESS THAN 1-1/4 INCH FROM THE EDGE OF MEMBERS.
- 24) ANTI-SCALD DEVICES REQUIRED ON ALL TUB/SHOWER DIVERTERS. (DELTA #R1300-IP-TP, ASME A112.18.1M, ASSE 1016).
- 25) PIPING SHALL BE FIRE STOPPED WHERE REQUIRED WITH MATERIALS EQUIVALENT TO CONSTRUCTION WHICH IT PENETRATES AND BE SUITABLE TO PIPE MATERIAL.
- 26) CONCEALED PIPING IN UNHEATED AREAS INCLUDING OUTSIDE WALLS SHALL BE PROTECTED AGAINST FREEZING IN PLANT.
- 27) IN-PLANT FIXTURE DRAINS AND ALL OPEN PIPE SHALL BE PROTECTED (CAPPED) AND LABELED FOR TRANSPORT
- 28) JOIST NOTCHES SHALL NOT EXCEED 1/6 OF JOIST DEPTH AND SHALL NOT OCCUR IN MIDDLE 1/3 OF SPAN HOLES SHALL NOT EXCEED 1/3 DEPTH OF JOIST AND MUST OCCUR 2" FROM EITHER EDGE
- < 29) SHUT OFF VALVES ON ALL FIXTURES (OPTIONAL)
- < 30) ALL PLUMBING IS CSM-3268ICALLY INSTALLED FOR EACH MODULE AT THE TIME OF MANUFACTURE. CERTAIN CICJ/RCUMSTANCES MAY NECESSITATE SOME FIXTURE DRAINS TO BE STUBBED THROUGH FLOOR IN WHICH CASE HOOK-UP AND MATERIALS ARE PROVIDED ON SITE BY OTHERS. FLOOR SYSTEMS WHICH DO NOT ALLOW FOR PLANT INSTALLED PLUMBING, ARE MANUFACTURED WITH ALL PLUMBING RISERS STUBBED THROUGH FLOOR IN WHICH CASE ALL MATERIALS FOR COMPLETION AND INSTALLATION ARE PROVIDED ON SITE BY OTHERS. NOTE: STUB-THROUGH PLUMBING IS AVAILABLE ON ALL FLOOR SYSTEMS.
- < 31) WATER HEATER IN BASEMENT TO BE FIELD INSTALLED BY OTHERS
- < 32) A WATER HAMMER ARRESTOR SHALL BE INSTALLED WHERE QUICK CLOSING VALVES ARE UTILIZED. THE ARRESTOR SHALL BE LOCATED WITHIN AN EFFECTIVE RANGE OF THE QUICK CLOSING VALVE. ACCESS SHALL BE PROVIDED TO THE WATER HAMMER ARRESTORS.



TYPICAL WATER HEATER DETAIL

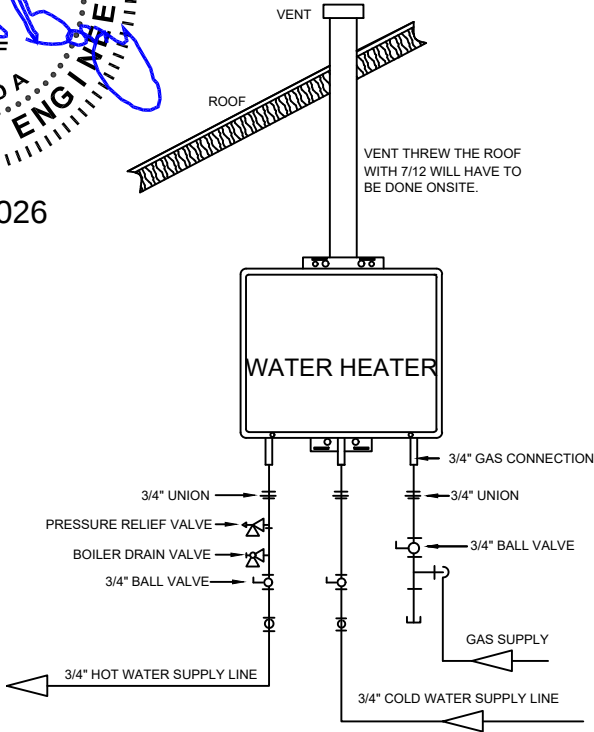


NOTES:

1. ELECTRICAL CONNECTION AND NAMEPLATE MARKINGS MUST BE ACCESSIBLE.
2. PROVIDE DOOR OR PANEL LARGE LARGE ENOUGH TO REPLACE W/H
3. NO FUEL BURNING WATER HEATER TO BE ACCESSED IN OR OFF OF SLEEPING, BATH OR TOILET ROOMS.
4. INSTALLATION SHALL BE PROTECTED FROM FREEZING



OPT. GAS TANKLESS WATER HEATER
GAS LINES FIELD SUPPLIED
AND INSTALLED



REVISIONS

PREPARED BY:	J. TRIPLETT	SCALE:	NTS
PRINT DATE:	04/14/26	REV:	REV. DATE:
TITLE:	PLUMBING NOTES		
MODEL:	CSM-3268	DWG. NO.:	TC05
ALT. MODEL:	MFT-15339-CS-3268		



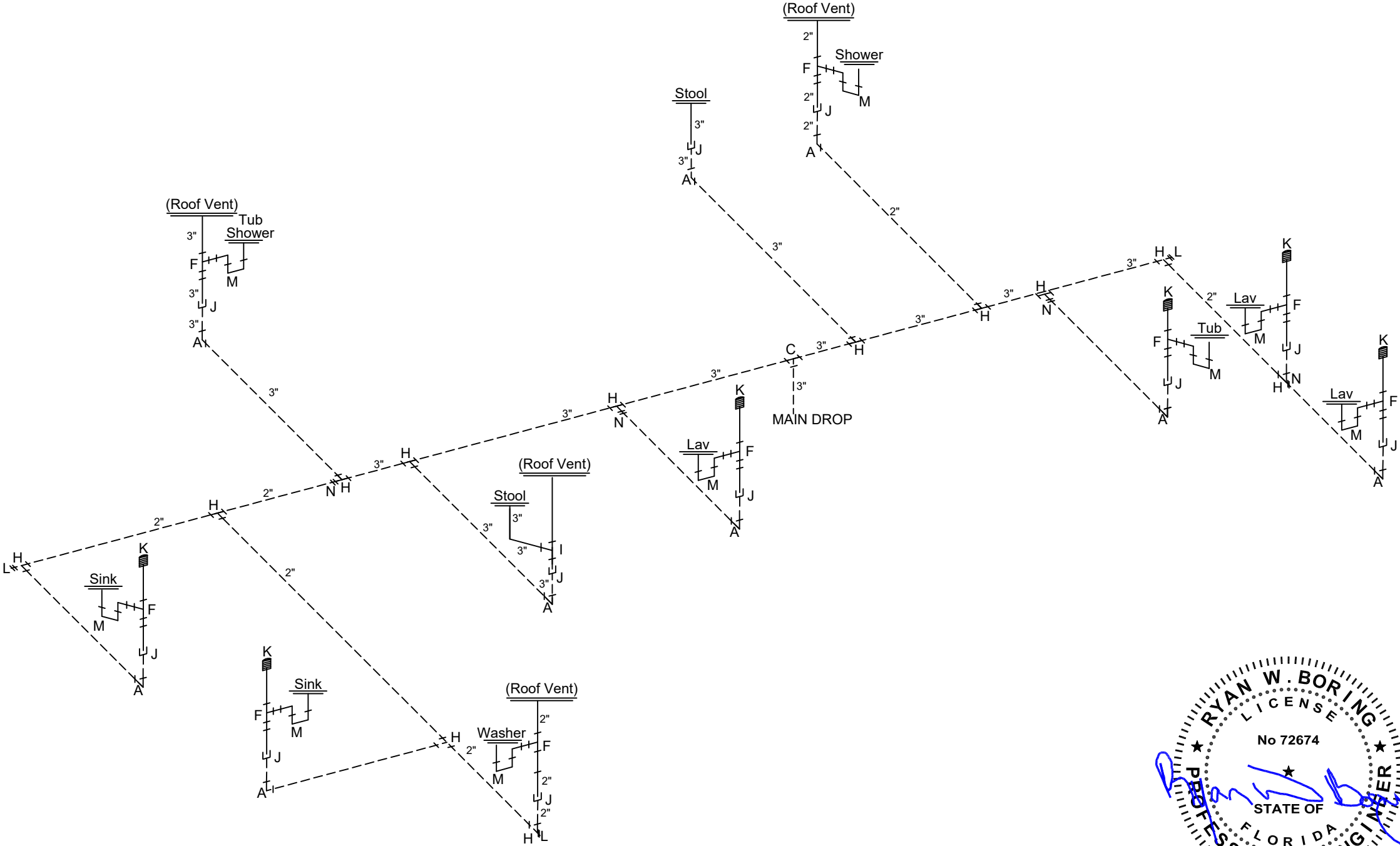
TIMBER CREEK
HOUSING LLC

674 Co Rd 65, Bear Creek, AL 35543

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

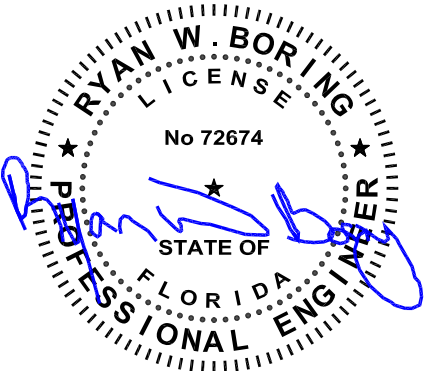


Const. Type:	VB
Occupancy:	Single Family Dwelling
Allowable No. of Floors:	1
Wind Velocity:	160 MPH Vult
Fire Rating of Ext. Walls:	0
Plan No.:	MFT15339-CSM-3268
Allow. Floor Load:	40
Approval Date:	06/16/2026
Manufacturer:	Timber Creek Housing



DWV FITTING LEGEND				
90° LONG TURN ELL	A	B	45° ST. ELL	
DOUBLE ELL	C	D	90° CLOSET ST. ELL	
90° LONG TURN ST. ELL	E	F	SANITARY TEE	
DOUBLE SANITARY TEE	G	H	LONG TURN TY	
45° Y	I	J	CAP & CHAIN	
MECHANICAL VENT	K	L	CLEAN OUT PLUG	
P-TRAP	M	N	REDUCER BUSHING	
COUPLING	O	P		

- NOTES:
- 1) AIR ADMITTANCE VALVES TO BE FIELD INSTALLED BY OTHERS AFTER SYSTEM IS COMPLETED AND TESTED
 - 2) ALL FITTINGS AND PIPE NECESSARY FOR PROPER CONNECTION OF THE DWV SYSTEM ARE INCLUDED IN THIS KIT. ANY VARIATION FROM THIS DESIGN RESULTING IN A SHORTAGE OF MATERIAL SHALL BE THE INSTALLER'S RESPONSIBILITY.
 - 3) ALL PIPING MUST BE SUPPORTED AT INTERVALS NOT EXCEEDING 4'-0".
 - 4) DRAIN PIPES MUST HAVE A MIN. SLOPE OF 1/4" PER FOOT (1/8" PER FOOT WITH CLEAN-OUT).
 - 5) AIR GAPS ARE REQUIRED FOR ALL DISHWASHERS.
 - 6) AIR ADMITTANCE VALVES ARE NOT REQUIRED IN ILLINOIS.
 - 7) ANY PLUMBING ON THE HINGED ROOF AREA WILL HAVE TO BE EXTENDED THROUGH THE ROOF ON- SITE BY OTHERS.
 - 8) FITTING SIZES CORRESPOND TO ADJACENT PIPE SIZES.
 - 9) P-TRAP DIRECTIONS MAY VARY.
 - 10) DOTTED LINES REPRESENT SITE INSTALLED PLUMBING.



Jun 12, 2026

REVISIONS	



TIMBER CREEK

HOUSING LLC

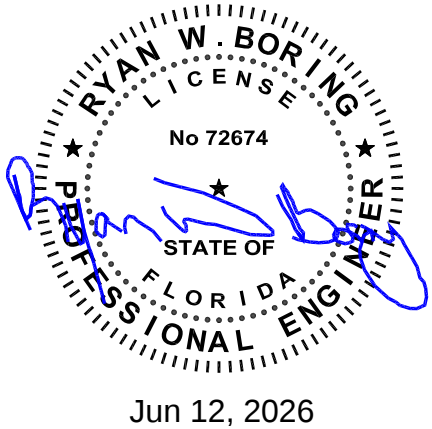
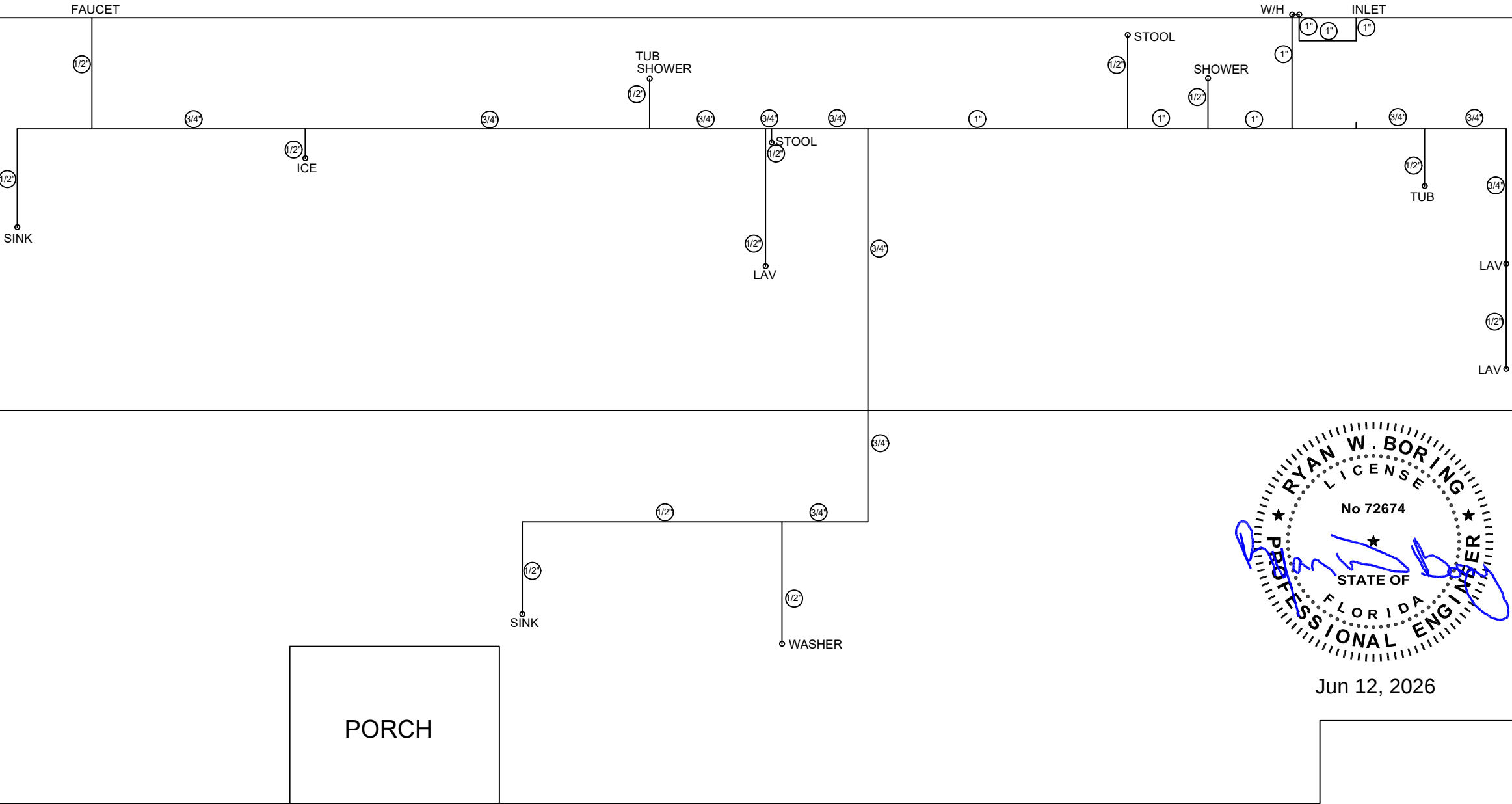
674 Co Rd 65, Bear Creek, AL 35543

PREPARED BY:	J. TRIPLETT	SCALE:	NTS
PRINT DATE:	04/14/26	REV. DATE:	
TITLE:	DRAIN LINE PLUMBING LAYOUT		
MODEL:	CSM-3268	DWG. NO.:	TC06
ALT. MODEL:	MFT-15339-CS-3268		

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:



Const. Type:	VB
Occupancy:	Single Family Dwelling
Allowable No. of Floors:	1
Wind Velocity:	160 MPH Vult
Fire Rating of Ext. Walls:	0
Plan No.:	MFT15339-CSM-3268
Allow. Floor Load:	40
Approval Date:	06/16/2026
Manufacturer:	Timber Creek Housing



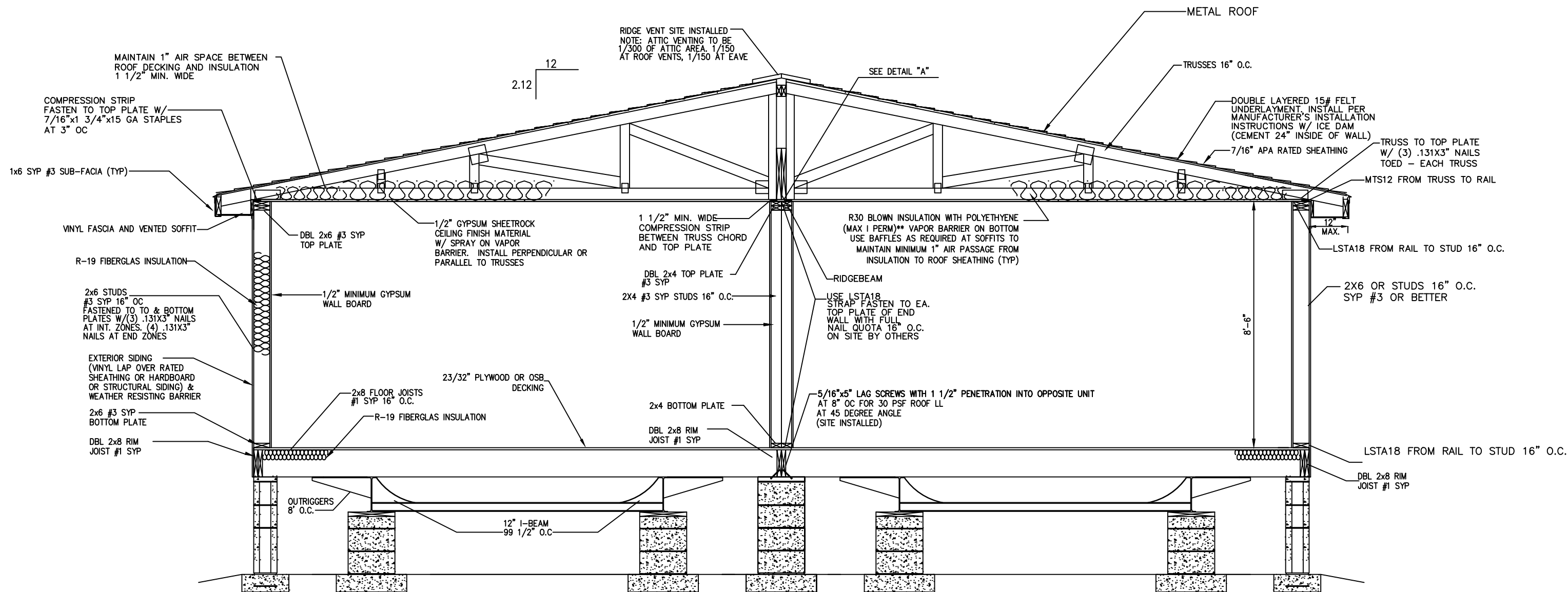
- 1) FITTING SIZES TO CORRESPOND TO ADJACENT PIPE SIZES.
- 2) COPPER, CPVC, OR OTHER APPROVED OR LISTED MATERIAL MAY BE USED.
- 3) ALL SIZING OF PIPE + OR -, MUST MEET OR EXCEED ANY APPLICABLE CODES.
- 4) PEX LINES MUST BE SUPPORTED 32" OC MAXIMUM.
- 5) COLD AS SHOWN, HOT THE SAME EXCEPT DROP STOO, ICE & INLET.
- 6) BASED ON PRESSURE RANGE 50 TO 60 PSI
- 7) KENTUCKY METAL WATER LINE FITTINGS REQ. @ CONCEALED FAUCETS
- 8) ALL PIPES 3/4" OR LARGER AND ALL PIPES LOCATED OUTSIDE CONDITIONS TO BE WRAPPED WITH R-3 INSULATION
- 9) SHOWER (SINGLE HEAD) 3/4" W/PEX.

REVISIONS

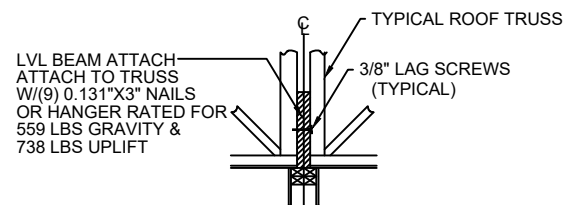


TIMBER CREEK
HOUSING LLC
674 Co Rd 65, Bear Creek, AL 35543

PREPARED BY:	J. TRIPLET	SCALE:	NTS
PRINT DATE:	04/14/26	FOR TN ONLY:	
TITLE:	WATER LINE PLUMBING LAYOUT		
MODEL:	CSM-3268	DWG. NO.:	TC07
ALT. MODEL:	MFT-15339-CS-3268		



DETAIL A
INTER-CONNECTION BETWEEN HALVES OF THE ROOF SYSTEM



USE: ONE(1) 3/8" X 3-1/2" LAG SCREW AT 24" O/C (180 WIDE 26" O/C - MAX E) (156 WIDE 29" O/C-MAX) TO CONNECT THE RIDGE BEAMS FOR EACH HALF OF THE HOME TOGETHER ALONG THE MARRIAGE LINE OF THE ROOF SYSTEM.

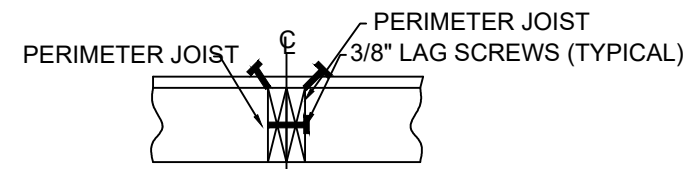
30'-0" Wide Home - (2) 15'-0" SECTIONS

FOUNDATION FOR THIS HOME MUST BE DESIGNED BY OTHERS TO THE SITE CONDITIONS PER APPLICABLE CODES. THIS INCLUDES ATTACHING HOME TO THE FOUNDATION, ALONG WITH THE RESISTANCE TO LATERAL, LONGITUDINAL SHEAR, UPLIFT AND DOWNWARD WIND FORCES IN BOTH DIRECTIONS AND THE SEISMIC DESIGN. REFER TO BRACING PAGE FOR APPLICABLE DESIGN LOADS.

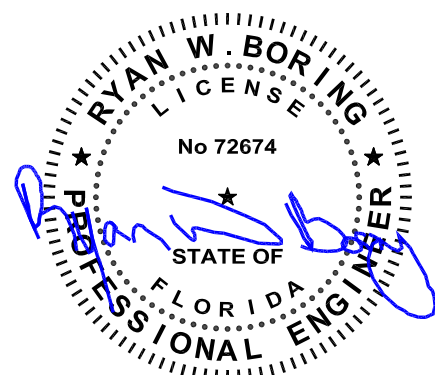
LAG FLOOR SYSTEM TO MAIN FLOOR BEAMS:

USE (1) FASTEC 9MMX76MM LAG SCREW AT EACH JOIST AND AT THE TIP OF EACH OUTRIGGER. USE A WELDED WASHER AT THE OUTRIGGER.

DETAIL B
INTER-CONNECTION BETWEEN HALVES OF THE FLOOR SYSTEM



USE: ONE(1) 3/8" X 7'-0" LAG SCREW AT 16" O/C (180 WIDE 20" O/C - MAX) (156 WIDE 22" O/C - MAX) TO CONNECT THE PERIMETER JOIST FOR EACH HALF OF THE HOME TOGETHER ALONG THE MARRIAGE LINE OF THE FLOOR SYSTEM.



Jun 12, 2026

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:



Const. Type: VB
Occupancy: Single Family Dwelling
Allowable No. of Floors: 1
Wind Velocity: 160 MPH Valt
Fire Rating of Ext. Walls: 0
Plan No.: MFT15339-CSM-3268
Allow. Floor Load: 40
Approval Date: 06/16/2026
Manufacturer: Timber Creek Housing



TIMBER CREEK
HOUSING LLC
674 Co Rd 65, Bear Creek, AL 35543

REVISIONS

PREPARED BY:	J. TRIPLETT	SCALE:	NTS
PRINT DATE:	04/14/26	REV:	
TITLE:	TYPICAL CROSS SECTION (ON FRAME)		
MODEL:	CSM-3268		
ALT. MODEL:	MFT-15339-CS-3268		
		DWG. NO.:	TC09

AL

Project Information

For: CS-3268 22-19-30 SN-2789, TIMBER CREEK HOUSING
BEAR CREEK, AL 35543

Notes: Web: Total Duct Capacity 46,667 BTU

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
NIA INC.

Cons. Type: VB
Occupancy: Single Family Dwelling
Allowable No. of Floors: 1
Wind Velocity: 160 MPH V-B
Fire Rating of Ext. Walls: 0
Plan No.: MFT1319-CSM-3268
Allow. Floor Load: 20
Approval Date: 06/16/2025
Manufacturer: Timber Creek Housing

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db 33 °F
Inside db 70 °F
Design TD 37 °F

Summer Design Conditions

Outside db 92 °F
Inside db 69 °F
Design TD 23 °F
Daily range M
Relative humidity 50 %
Moisture difference 56 gr/lb

Heating Summary

Structure 14560 Btuh
Ducts (R-8.0) 6748 Btuh
Central vent (90 cfm) 3617 Btuh
Outside air
Humidification 0 Btuh
Piping 0 Btuh
Equipment load 24926 Btuh

Sensible Cooling Equipment Load Sizing

Structure 18871 Btuh
Ducts (R-8.0) 6165 Btuh
Central vent (90 cfm) 2306 Btuh
Outside air
Blower 0 Btuh
Use manufacturer's data n
Rate/swing multiplier 0.97
Equipment sensible load 26632 Btuh

Infiltration

Method Simplified
Construction quality Semi-tight
Fireplaces 0

Latent Cooling Equipment Load Sizing

Structure 3712 Btuh
Ducts 1914 Btuh
Central vent (90 cfm) 3388 Btuh
Outside air
Equipment latent load 9013 Btuh

	Heating	Cooling
Area (ft²)	2010	2010
Volume (ft³)	16082	16082
Air changes/hour	0.25	0.13
Equiv. AVF (cfm)	67	35

Equipment Total Load (Sen+Lat) 35645 Btuh
Req. total capacity at 0.70 SHR 3.2 ton

Heating Equipment Summary

Make Generic
Trade
Model AFUE 100
AHRI ref

Efficiency 100 EFF
Heating input 10.0 kW
Heating output 34120 Btuh
Temperature rise 22 °F
Actual air flow 1400 cfm
Air flow factor 0.066 cfm/Btuh
Static pressure 0.30 in H2O
Space thermostat

Cooling Equipment Summary

Make Generic
Trade
Cond SEER 14.0
Coil
AHRI ref
Efficiency 12.2 EER, 14 SEER
Sensible cooling 29400 Btuh
Latent cooling 12600 Btuh
Total cooling 42000 Btuh
Actual air flow 1400 cfm
Air flow factor 0.056 cfm/Btuh
Static pressure 0.30 in H2O
Load sensible heat ratio 0.75

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

AL

Project Information

For: CS-3268 22-19-30 SN-2789, TIMBER CREEK HOUSING
BEAR CREEK, AL 35543

Web: Total Duct Capacity 46,667 BTU

Cooling Equipment

Design Conditions

Outdoor design DB:	92.4°F	Sensible gain:	27343	Btuh	Entering coil DB:	70.5°F
Outdoor design WB:	75.8°F	Latent gain:	9013	Btuh	Entering coil WB:	59.0°F
Indoor design DB:	69.0°F	Total gain:	36356	Btuh		
Indoor RH:	50%	Estimated airflow:	1400	cfm		

Manufacturer's Performance Data at Actual Design Conditions

Equipment type:	Split AC			
Manufacturer:	Generic	Model:	SEER 14.0	
Actual airflow:	1400	cfm		
Sensible capacity:	29400	Btuh	108% of load	
Latent capacity:	12600	Btuh	140% of load	
Total capacity:	42000	Btuh	116% of load	SHR: 70%

Heating Equipment

Design Conditions

Outdoor design DB:	33.3°F	Heat loss:	24926	Btuh	Entering coil DB:	67.6°F
Indoor design DB:	70.0°F					

Manufacturer's Performance Data at Actual Design Conditions

Equipment type:	Elec strip			
Manufacturer:	Generic	Model:	AFUE 100	
Actual airflow:	1400	cfm		
Output capacity:	10.0	kW	137% of load	Temp. rise: 50 °F

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:



Const. Type:	VB
Occupancy:	Single Family Dwelling
Allowable No. of Floors:	1
Wind Velocity:	160 MPH Valt
Fire Rating of Ext. Walls:	0
Plan No.:	MFT13339-CSM-3268
Allow. Floor Load:	40
Approval Date:	06/16/2026
Manufacturer:	Timber Creek Housing

Meets all requirements of ACCA Manual S.



Residential Plans Examiner Review Form for HVAC System Design (Loads, Equipment, Ducts)

Form
RPER 1
15 Mar 09

These prints comply with the Florida Manufactured Building Act and adopted Codes and address to the following criteria:



Contract Type: Single Family Dwelling
Occupancy: Allowable No. of Floors: 1
Wind Velocity: 140 MPH Vel.
Fire Rating of Ext. Walls: 0
Plan No.: ME115129-CNS-426
Allow Floor Load: 20
Approval Date: 06/16/2008
Manufacturer: Timber Creek Homes

Header Information

Contractor:

Mechanical license:

Building plan #:

Home address (Street or Lot#, Block, Subdivision): , Entire House

REQUIRED ATTACHMENTS

Manual J1 Form (and supporting worksheets):
or MJ1AE Form* (and supporting worksheets):
OEM performance data (heating, cooling, blower):
Manual D Friction Rate Worksheet:
Duct distribution sketch:

ATTACHED

Yes	☐	No	☐
Yes	☐	No	☐
Yes	☐	No	☐
Yes	☐	No	☐
Yes	☐	No	☐

HVAC LOAD CALCULATION (IRC M1401.3)

Design Conditions

Winter Design Conditions

Outdoor temperature: 33 °F
Indoor temperature: 70 °F
Total heat loss: 24926 Btuh

Summer Design Conditions

Outdoor temperature: 92 °F
Indoor temperature: 69 °F
Grains difference: 56 gr/lb @ 50% RH
Sensible heat gain: 28072 Btuh
Latent heat gain: 9254 Btuh
Total heat gain: 37326 Btuh

Building Construction Information

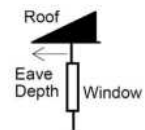
Building

Orientation: Front Door faces North
North, East, West, South, Northeast, Northwest, Southeast, Southwest

Number of bedrooms: 3
Conditioned floor area: 2010 ft²
Number of occupants: 12

Windows

Eave overhang depth: 0 ft
Internal shade: blinds
Blinds, drapes, etc.
Number of skylights: 0



HVAC EQUIPMENT SELECTION (IRC M1401.3)

Heating Equipment Data

Equipment type: Elec strip
Furnace, Heat pump, Boiler, etc.
Model: Generic
AFUE 100
Heating output capacity: 34120 Btuh
Heat pumps - capacity at winter design outdoor conditions
Aux. heating output capacity: 0 Btuh

Cooling Equipment Data

Equipment type: Split AC
Air Conditioner, Heat pump, etc.
Model: Generic
SEER 14.0+
Total cooling capacity: 0 Btuh
Sensible cooling capacity: 0 Btuh
Latent cooling capacity: 0 Btuh

Blower Data

Heating cfm: 1400
Cooling cfm: 1400
Static pressure: 0.30 in H₂O
Fan's rated external static pressure for design airflow

HVAC DUCT DISTRIBUTION SYSTEM DESIGN (IRC M1601.1)

Design airflow:	1400 cfm	Longest supply duct:	199 ft	Duct Materials Used	
Equipment design ESP:	0.30 in H ₂ O	Longest return duct:	0 ft	Trunk duct:	Round flex vinyl
Total device pressure losses:	0 in H ₂ O	Total effective length (TEL):	199 ft	Branch duct:	Round flex vinyl, Sheet metal
Available static pressure (ASP):	0.30 in H ₂ O	Friction rate:	0.151 in/100ft		

Friction Rate = ASP ÷ (TEL x 100)

I declare the load calculation, equipment, equipment selection and duct design were rigorously performed based on the building plan listed above. I understand the claims made on these forms will be subject to review and verification.

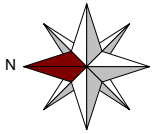
Contractor's printed name:

Contractor's signature:

Date:

Reserved for County, Town Municipality or Authority having jurisdiction use.

*Home qualifies for MJ1AE Form based on Abridged Edition Checklist



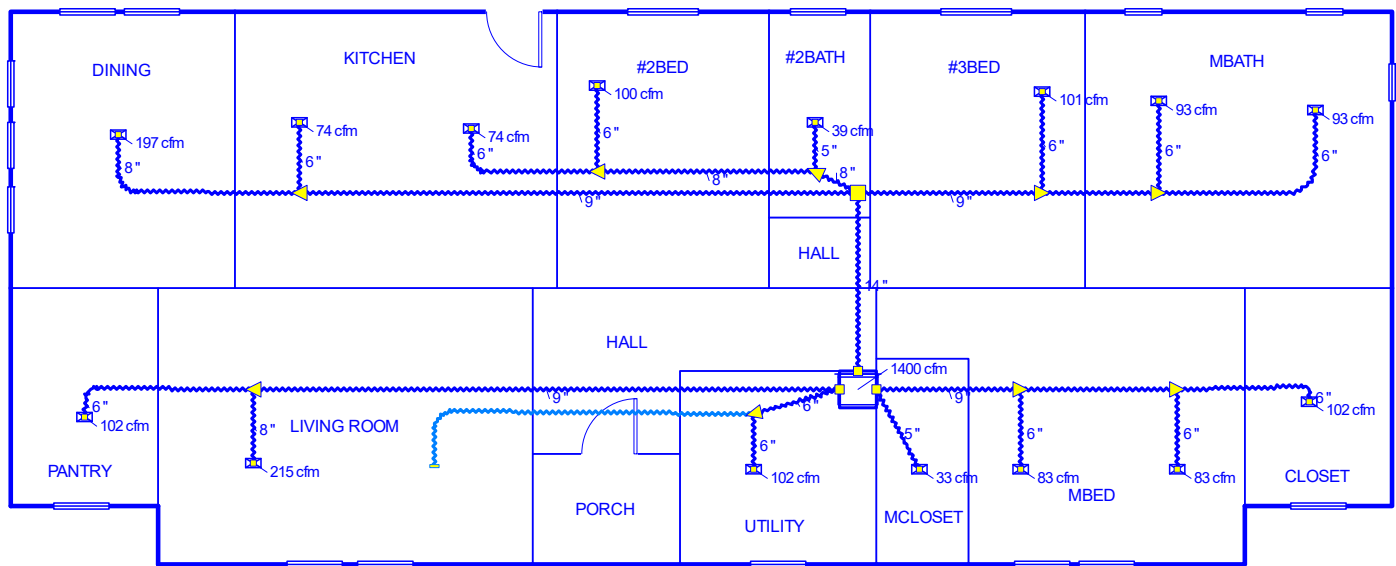
These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

APPROVED BY

NIA INC.

Const. Type:	VB
Occupancy:	Single Family Dwelling
Allowable No. of Floors:	1
Wind Velocity:	160 MPH Valt
Fire Rating of Ext. Walls:	0
Plan No.:	MET13339-CSM-3268
Allow. Floor Load:	40
Approval Date:	06/16/2026
Manufacturer:	Timber Creek Housing

Level 1



Job #: Template
Performed for:

CS-3268 22-19-30 SN-2789

BEAR CREEK, AL 35543

Total Duct Capacity 46,667 BTU

AL

Scale: 1 : 125

Page 1
Right-Suite® Universal 2023
23.0.05 RSU60656
2026-Apr-14 11:53:22
... Offset\CS-3268-Upflow ducts.rup

AL

Project Information

For: CS-3268 22-19-30 SN-2789, TIMBER CREEK HOUSING
BEAR CREEK, AL 35543

Web: Total Duct Capacity 46,667 BTU

	Heating	Cooling
External static pressure	0.30 in H2O	0.30 in H2O
Pressure losses	0 in H2O	0 in H2O
Available static pressure	0.30 in H2O	0.30 in H2O
Supply / return available pressure	0.150 / 0.150 in H2O	0.150 / 0.150 in H2O
Lowest friction rate	0.151 in/100ft	0.151 in/100ft
Actual air flow	1400 cfm	1400 cfm
Total effective length (TEL)	199 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
#2BATH	c 704	36	39	0.200	5.0	0x0	VIFx	14.9	135.0	st5
#2BED	h 1521	100	99	0.163	6.0	0x0	VIFx	28.8	155.0	st6
#3BED	h 1540	101	99	0.187	6.0	0x0	VIFx	25.2	135.0	st8
CLOSET	h 1547	102	92	0.183	6.0	0x0	VIFx	24.3	140.0	st2
DINING	h 2992	197	166	0.156	8.0	0x0	VIFx	52.9	140.0	st7
KITCHEN	c 1323	68	74	0.168	6.0	0x0	VIFx	43.8	135.0	st7
KITCHEN-A	c 1323	68	74	0.155	6.0	0x0	VIFx	33.3	160.0	st6
LIVING ROOM	c 3841	184	215	0.199	8.0	0x0	VIFx	35.8	115.0	st4
MBATH	h 1410	93	75	0.151	6.0	0x0	VIFx	39.0	160.0	st8
MBATH-A	h 1410	93	75	0.161	6.0	0x0	VIFx	31.0	155.0	st8
MBED	c 1481	75	83	0.236	6.0	0x0	VIFx	12.2	115.0	st2
MBED-A	c 1481	75	83	0.193	6.0	0x0	VIFx	20.7	135.0	st2
MCLOSET	c 594	32	33	0.300	5.0	0x0	VIFx	4.9	95.0	
PANTRY	h 1547	102	92	0.185	6.0	0x0	VIFx	42.5	120.0	st4
UTILITY	c 1816	77	102	0.244	6.0	0x0	VIFx	7.9	115.0	st3

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
NIA INC.

Const. Type: VB
Occupancy: Single Family Dwelling
Allowable No. of Floors: 1
Wind Velocity: 160 MPH Valt
Fire Rating of Ext. Walls: 0
Plan No.: MFT15339-CSM-3268
Allow. Floor Load: 40
Approval Date: 06/16/2026
Manufacturer: Timber Creek Housing

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st5	PeakAVF	204	212	0.155	608	8.0	0 x 0	VinFlx	st1
st6	PeakAVF	168	173	0.155	495	8.0	0 x 0	VinFlx	st5
st7	PeakAVF	264	240	0.156	598	9.0	0 x 0	VinFlx	st1
st1	PeakAVF	755	702	0.151	706	14.0	0 x 0	VinFlx	
st8	PeakAVF	286	250	0.151	648	9.0	0 x 0	VinFlx	st1
st3	PeakAVF	77	102	0.244	517	6.0	0 x 0	VinFlx	
st4	PeakAVF	285	306	0.185	694	9.0	0 x 0	VinFlx	
st2	PeakAVF	251	257	0.183	582	9.0	0 x 0	VinFlx	

Return Branch Detail Table

Name	Grille Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x 0	1400	1400	0	0	0	0	0x 0		ShMt	

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:



Const. Type: VB
 Occupancy: Single Family Dwelling
 Allowable No. of Floors: 1
 Wind Velocity: 160 MPH Valt
 Fire Rating of Ext. Walls: 0
 Plan No.: MET15339-CSM-3268
 Allow. Floor Load: 40
 Approval Date: 06/16/2026
 Manufacturer: Timber Creek Housing

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: CSM-3268 Street: 230 SW Gadeola Street City, State, Zip: Fort White, FL, 32038 Owner: Danny & Julie Brown Design Location: FL, Gainesville		Builder Name: Timber Creek Housing Permit Office: Permit Number: Jurisdiction: County: Columbia(Florida Climate Zone 2)
--	---	---

<table style="width:100%;"> <tr> <td style="width:40%;">1. New construction or existing</td> <td style="width:60%;">New (From Plans)</td> </tr> <tr> <td>2. Single family or multiple family</td> <td>Detached</td> </tr> <tr> <td>3. Number of units, if multiple family</td> <td>1</td> </tr> <tr> <td>4. Number of Bedrooms</td> <td>3</td> </tr> <tr> <td>5. Is this a worst case?</td> <td>Yes</td> </tr> <tr> <td>6. Conditioned floor area above grade (ft²)</td> <td>2229</td> </tr> <tr> <td>Conditioned floor area below grade (ft²)</td> <td>0</td> </tr> <tr> <td>7. Windows(177.3 sqft.)</td> <td>Description Area</td> </tr> <tr> <td>a. U-Factor:</td> <td>Dbl, U=0.29 177.29 ft²</td> </tr> <tr> <td>SHGC:</td> <td>SHGC=0.21</td> </tr> <tr> <td>b. U-Factor:</td> <td>N/A ft²</td> </tr> <tr> <td>SHGC:</td> <td></td> </tr> <tr> <td>c. U-Factor:</td> <td>N/A ft²</td> </tr> <tr> <td>SHGC:</td> <td></td> </tr> <tr> <td colspan="2">Area Weighted Average Overhang Depth: 1.000 ft</td> </tr> <tr> <td colspan="2">Area Weighted Average SHGC: 0.210</td> </tr> <tr> <td>8. Skylights</td> <td>Description Area</td> </tr> <tr> <td>U-Factor:(AVG)</td> <td>N/A N/A ft²</td> </tr> <tr> <td>SHGC(AVG):</td> <td>N/A</td> </tr> <tr> <td>9. Floor Types</td> <td>Insulation Area</td> </tr> <tr> <td>a. Crawlspace</td> <td>R= 19.0 2229.00 ft²</td> </tr> <tr> <td>b. N/A</td> <td>R= ft²</td> </tr> <tr> <td>c. N/A</td> <td>R= ft²</td> </tr> </table>	1. New construction or existing	New (From Plans)	2. Single family or multiple family	Detached	3. Number of units, if multiple family	1	4. Number of Bedrooms	3	5. Is this a worst case?	Yes	6. Conditioned floor area above grade (ft²)	2229	Conditioned floor area below grade (ft²)	0	7. Windows(177.3 sqft.)	Description Area	a. U-Factor:	Dbl, U=0.29 177.29 ft²	SHGC:	SHGC=0.21	b. U-Factor:	N/A ft²	SHGC:		c. U-Factor:	N/A ft²	SHGC:		Area Weighted Average Overhang Depth: 1.000 ft		Area Weighted Average SHGC: 0.210		8. Skylights	Description Area	U-Factor:(AVG)	N/A N/A ft²	SHGC(AVG):	N/A	9. Floor Types	Insulation Area	a. Crawlspace	R= 19.0 2229.00 ft²	b. N/A	R= ft²	c. N/A	R= ft²	<table style="width:100%;"> <tr> <td style="width:40%;">10. Wall Types(1904.0 sqft.)</td> <td style="width:20%;">Insulation</td> <td style="width:40%;">Area</td> </tr> <tr> <td>a. Frame - Wood, Exterior</td> <td>R=19.0</td> <td>1904.00 ft²</td> </tr> <tr> <td>b. N/A</td> <td></td> <td></td> </tr> <tr> <td>c. N/A</td> <td></td> <td></td> </tr> <tr> <td>d. N/A</td> <td></td> <td></td> </tr> <tr> <td>11. Ceiling Types(2229.0 sqft.)</td> <td>Insulation</td> <td>Area</td> </tr> <tr> <td>a. Single assembly, with (Vented)</td> <td>R=30.0</td> <td>2229.00 ft²</td> </tr> <tr> <td>b. N/A</td> <td></td> <td></td> </tr> <tr> <td>c. N/A</td> <td></td> <td></td> </tr> <tr> <td>12. Roof(Metal, Vented)</td> <td>Deck R=0.0</td> <td>2298 ft²</td> </tr> <tr> <td>13. Ducts, location & insulation level</td> <td>R</td> <td>ft²</td> </tr> <tr> <td>a. Sup: Attic, Ret: Attic, AH: Main</td> <td>8</td> <td>400</td> </tr> <tr> <td>b.</td> <td></td> <td></td> </tr> <tr> <td>c.</td> <td></td> <td></td> </tr> <tr> <td>14. Cooling Systems</td> <td>kBtu/hr</td> <td>Efficiency</td> </tr> <tr> <td>a. Central Unit</td> <td>35.0</td> <td>SEER2:14.30</td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td>15. Heating Systems</td> <td>kBtu/hr</td> <td>Efficiency</td> </tr> <tr> <td>a. Electric Heat Pump</td> <td>35.0</td> <td>HSPF2:9.00</td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td>16. Hot Water Systems</td> <td></td> <td></td> </tr> <tr> <td>a. Electric</td> <td></td> <td>Cap: 50 gallons</td> </tr> <tr> <td></td> <td></td> <td>EF: 0.920</td> </tr> <tr> <td>b. Conservation features</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>None</td> </tr> <tr> <td>17. Credits</td> <td></td> <td>CF</td> </tr> </table>	10. Wall Types(1904.0 sqft.)	Insulation	Area	a. Frame - Wood, Exterior	R=19.0	1904.00 ft²	b. N/A			c. N/A			d. N/A			11. Ceiling Types(2229.0 sqft.)	Insulation	Area	a. Single assembly, with (Vented)	R=30.0	2229.00 ft²	b. N/A			c. N/A			12. Roof(Metal, Vented)	Deck R=0.0	2298 ft²	13. Ducts, location & insulation level	R	ft²	a. Sup: Attic, Ret: Attic, AH: Main	8	400	b.			c.			14. Cooling Systems	kBtu/hr	Efficiency	a. Central Unit	35.0	SEER2:14.30				15. Heating Systems	kBtu/hr	Efficiency	a. Electric Heat Pump	35.0	HSPF2:9.00				16. Hot Water Systems			a. Electric		Cap: 50 gallons			EF: 0.920	b. Conservation features					None	17. Credits		CF
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Glass/Floor Area: 0.080	Total Proposed Modified Loads: 56.38	PASS
	Total Baseline Loads: 59.98	

NOTE: Proposed residence must have annual total normalized Modified Loads that are less than or equal to 95 percent of the annual total loads of the standard reference design in order to comply.

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: <u>Jerome Triplett</u> DATE: <u>06/03/26</u> I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: _____ DATE: _____	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.  BUILDING OFFICIAL: _____ DATE: _____
---	--

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Compliance with a proposed duct leakage Qn requires a PERFORMANCE Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.040 Qn for whole house.
- Compliance requires a roof absorptance test and a roof emittance test in accordance with R405.7.2
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires a PERFORMANCE envelope leakage test report with envelope leakage no greater than 7.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	CSM-3268	Bedrooms:	3	Address type:	Street Address
Building Type:	User	Conditioned Area:	2229	Lot #:	---
Owner:	Danny & Julie Brown	Total Stories:	1	Block/SubDivision:	---
Builder Home ID:		Worst Case:	Yes	PlatBook:	---
Builder Name:	Timber Creek Housing	Rotate Angle:	180	Street:	230 SW Gadeola Street
Permit Office:		Cross Ventilation:	No	County:	Columbia
Jurisdiction:		Whole House Fan:	No	City, State, Zip:	Fort White, FL, 32038
Family Type:	Detached	Terrain:	Suburban		
New/Existing:	New (From Plans)	Shielding:	Suburban		
Year Construct:	2026				
Comment:					



CLIMATE

✓ Design Location	Tmy Site	Design Temp 97.5% 2.5%	Int Design Temp Winter Summer	Heating Degree Days	Design Moisture	Daily temp Range
___ FL, Gainesville	FL_GAINESVILLE_REGIONA	32 92	70 75	1305.5	51	Medium

BLOCKS

✓ Number	Name	Area	Volume
___ 1	Block1	2229	18947 cu ft

SPACES

✓ Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
___ 1	Main	2229	18947	Yes	4	3	Yes	Yes	Yes

FLOORS

(Total Exposed Area = 2229 sq.ft.)

✓ #	Floor Type	Space	Exposed Perim(ft)	Area	R-Value Perim. Joist	U-Factor	Slab Insul. Vert/Horiz	Tile	Wood	Carpet
___ 1	Crawlspace	Main	212	2229 sqft	0.0 19.0	0.052	-----	0.60	0.00	0.40

ROOF

✓ #	Type	Materials	Roof Area	Gable Area	Framing. Fract.	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt Tested	Emitt Tested	Deck Insul.	Pitch (deg)
___ 1	Gable or shed	Metal	2298 ft²	278 ft²	0.11	Medium	N	0.75	Yes	0.9	Yes	0	14.04

ATTIC

✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
___ 1	No attic	Vented	300	2229 ft²	N	N

CEILING

(Total Exposed Area = 2229 sq.ft.)

✓ #	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type
___ 1	Single assembly, with airspace(Vented)	Main	30.0	Blown	2229.0ft²	0.033	0.11	Wood

INPUT SUMMARY CHECKLIST REPORT



WALLS

(Total Exposed Area = 1904 sq.ft.)

Note: First wall orientation below is as entered. Actual orientation is modified by the rotate angle (180 degrees) as shown in the "Project" section on page 1.

✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area sq.ft.	U-Factor	Sheath R-Value	Frm. Frac.	Solar Absor.	Below Grade
___ 1	W=>E	Exterior	Frame - Wood	Main	19.0	31.0	4	8.0	6	266.3	0.061	0	0.23	0.75	0.0 %
___ 2	S=>N	Exterior	Frame - Wood	Main	19.0	3.0	2	8.0	6	26.9	0.061		0.23	0.75	0.0 %
___ 3	W=>E	Exterior	Frame - Wood	Main	19.0	8.0	0	8.0	6	68.0	0.061		0.23	0.75	0.0 %
___ 4	S=>N	Exterior	Frame - Wood	Main	19.0	26.0	10	8.0	6	228.1	0.061		0.23	0.75	0.0 %
___ 5	E=>W	Exterior	Frame - Wood	Main	19.0	76.0	0	8.0	6	646.0	0.061	0	0.23	0.75	0.0 %
___ 6	N=>S	Exterior	Frame - Wood	Main	19.0	26.0	10	8.0	6	228.1	0.061		0.23	0.75	0.0 %
___ 7	W=>E	Exterior	Frame - Wood	Main	19.0	8.0	0	8.0	6	68.0	0.061		0.23	0.75	0.0 %
___ 8	N=>S	Exterior	Frame - Wood	Main	19.0	3.0	2	8.0	6	26.9	0.061		0.23	0.75	0.0 %
___ 9	W=>E	Exterior	Frame - Wood	Main	19.0	20.0	8	8.0	6	175.7	0.061		0.23	0.75	0.0 %
___ 10	S=>N	Exterior	Frame - Wood	Main	19.0	6.0	0	8.0	6	51.0	0.061		0.23	0.75	0.0 %
___ 11	W=>E	Exterior	Frame - Wood	Main	19.0	8.0	0	8.0	6	68.0	0.061		0.23	0.75	0.0 %
___ 12	N=>S	Exterior	Frame - Wood	Main	19.0	6.0	0	8.0	6	51.0	0.061		0.23	0.75	0.0 %

DOORS

(Total Exposed Area = 59 sq.ft.)

✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
___ 1	E=>W	Exterior	Insulated	Main	None	0.29	3.00	0	6.00	6	19.5ft²
___ 2	W=>E	Exterior	Insulated	Main	None	0.29	6.00	0	6.00	6	39.0ft²

WINDOWS

(Total Exposed Area = 177 sq.ft.)

✓ #	Ornt	Wall	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Storm	Total Area (ft²)	Same Units	Width (ft)	Height (ft)	--Overhang--		Interior Shade	Screen
		ID												Depth (ft)	Sep. (ft)		
___ 1	W=>E	1	Vinyl	Low-E Double	Y	0.29	0.21	N	N	45.0	3	3.00	5.00	1.0	1.0	IECC 2012	None
___ 2	W=>E	3	Vinyl	Low-E Double	Y	0.29	0.21	N	N	15.0	1	3.00	5.00	1.0	1.0	IECC 2012	None
___ 3	S=>N	4	Vinyl	Low-E Double	Y	0.29	0.21	N	N	3.8	1	1.17	3.25	1.0	1.0	IECC 2012	None
___ 4	E=>W	5	Vinyl	Low-E Double	Y	0.29	0.21	N	N	6.5	1	2.00	3.25	1.0	1.0	IECC 2012	None
___ 5	E=>W	5	Vinyl	Low-E Double	Y	0.29	0.21	N	N	2.0	1	3.00	0.67	1.0	1.0	IECC 2012	None
___ 6	E=>W	5	Vinyl	Low-E Double	Y	0.29	0.21	N	N	45.0	3	3.00	5.00	1.0	1.0	IECC 2012	None
___ 7	N=>S	6	Vinyl	Low-E Double	Y	0.29	0.21	N	N	45.0	3	2.50	6.00	1.0	1.0	IECC 2012	None
___ 8	W=>E	7	Vinyl	Low-E Double	Y	0.29	0.21	N	N	15.0	1	3.00	5.00	1.0	1.0	IECC 2012	None

INFILTRATION

✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0.00038	2210	121.27	227.67	0.1405	7.0	All	18947 cu ft

MASS

✓ #	Mass Type	Area	Thickness	Furniture Fraction	Space
___ 1	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Main

HEATING SYSTEM

✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	----Geothermal HeatPump----				Ducts	Block
						Entry	Power	Volt	Current		
1	Electric Heat Pump	None/Single		HSPF2: 9.00	35.0		0.00	0.00	0.00	sys#1	1

INPUT SUMMARY CHECKLIST REPORT

COOLING SYSTEM

✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	Air Flow cfm	SHR	Duct	Block
___ 1	Central Unit	None/Single		SEER2:14.3	35.0	1050	0.75	sys#1	1

HOT WATER SYSTEM

✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixt. Flow	Trap	Pipe Ins.	Pipe length
___ 1	Electric	None	Main	0.92 (0.92)	50.0 gal	60 gal	120 deg	Standard	Yes	=>R-3	99
	Recirculation System	Recirc Control Type	Loop length	Branch length	Pump power	DWHR	Facilities Connected	Equal Flow	DWHR Eff	Other Credits	
___ 1	No		NA	NA	NA	No	NA	NA	NA	None	

DUCTS

✓ Duct #	-----Supply----- Location R-Value Area	-----Return----- Location R-Value Area	Leakage Type	AHU Location	CFM 25 TOT OUT	QN OUT	AHU SEALED	RFL	HVAC # Heat Cool
___ 1	Attic 8.0 400 ft²	Attic 8.0 100 ft²	Proposed Qn	Main	--- ---	0.040	Yes	0.50	1 1

TEMPERATURES

Programable Thermostat: N					Ceiling Fans: N								
Cooling	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec	
Heating	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec	
Venting	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec	
Thermostat Schedule: FloridaCode 2014													
✓ Schedule Type	1	2	3	4	5	6	Hours 7	8	9	10	11	12	
___ Cooling (WD)	AM PM	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75
___ Cooling (WEH)	AM PM	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75
___ Heating (WD)	AM PM	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72
___ Heating (WEH)	AM PM	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:



Const. Type: VB
 Occupancy: Single Family Dwelling
 Allowable No. of Floors: 1
 Wind Velocity: 160 MPH Valt
 Fire Rating of Ext. Walls: 0
 Plan No.: MET13339-CSM-3268
 Allow. Floor Load: 40
 Approval Date: 06/16/2026
 Manufacturer: Timber Creek Housing

Timber Creek

CSM-3268

Width: 30'-0"

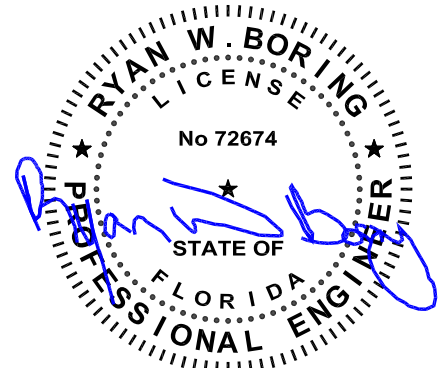
Length: 76'

Wind Speed: 160mph Vult

Wind Exposure: C

Wall Height: 8'-6"

Max Mean Roof Height: 15'



Jun 12, 2026

Page	Description
1-4	Design Criteria and Load Cases (C&C page 1)
5	Matewall Headers
6	Matewall Columns
7	Sidewall Headers and Connections
8-9	Sidewall Columns (King and Jack)
10	Sill Plates and Connections
11-16	Connections, Uplift Straps, and Exterior Sheathing
17-19	Shearwalls and Diaphragms
20-21	Floor
22-23	Porch Header, Studs, and Connection

NOTE:

- These calculations are applicable only to the structural elements and loading criteria specifically noted herein.
- Structural elements not contained herein are to be constructed in accordance with the prescriptive requirements of the adopted building code or designed by other registered design professionals.
- Specified design criteria are based solely on information provided by the client and must be verified and approved by the LAHJ.
- Ryan W. Boring, P.E. is not responsible for fabrication or erection.

These prints comply with the
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Act and adopted Codes and
adhere to the following criteria:



Const. Type:	<u>VB</u>
Occupancy:	<u>Single Family Dwelling</u>
Allowable No. of Floors:	<u>1</u>
Wind Velocity:	<u>160 MPH Vult</u>
Fire Rating of Ext. Walls:	<u>0</u>
Plan No.:	<u>MFT15339-CSM-3268</u>
Allow. Floor Load:	<u>40</u>
Approval Date:	<u>06/16/2026</u>
Manufacturer:	<u>Timber Creek Housing</u>

Wind Pressures for Low-rise buildings or buildings with h<60ft

ASCE 7-22:

Wind Speed: 160 MPH
 Wind Exposure: C
 Mean Roof Height: 15 FT
 Elevation: 0 FT
 Ke: 1.00
 Kd: 0.85
 Kzt: 1
 kt: 0.85
 qh: 47.29 psf
 Building Type: Enclosed
 Gcpi: 0.18
 -0.18
 Min net pressure: 16 psf

Roof Style: Gable (Gable or Hip)
 Roof Pitch: 2.12 /12
 Roof Angle: 10.0
 Max Width: 30.00 ft

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 Fire Rating of Ext. Walls: 0
 Plan No.: MFT13339-CSM-3268
 Allow. Floor Load: 40
 Approval Date: 06/16/2026
 Manufacturer: Timber Creek Housing

Roof

GCP	Area	Pos	Neg	Pressure	Area	Pos	Neg
Zone 1	Min	0.7	-2	Zone 1	Min	41.6	-103.1
	100	0.7	-1		100	41.6	-55.8
Zone 2	Min	0.7	-2.7	Zone 2	Min	41.6	-136.2
	100	0.7	-1.4		100	41.6	-74.7
Zone 3	Min	0.7	-3.6	Zone 3	Min	41.6	-178.7
	100	0.7	-1.8		100	41.6	-93.6
OH Z1	Min		-2.5	OH Z1	Min		-126.7
	100		-1.5		100		-79.4
OH Z2	Min		-3.5	OH Z2	Min		-174.0
	100		-2.4		100		-122.0
OH Z3	Min		-4.7	OH Z3	Min		-230.8
	100		-2.3		100		-117.3

Walls

Gcp	Area	Pos	Neg	Pressure	Area	Pos	Neg
Zone 4	10	1	-1.1	Zone 4	10	55.8	-60.5
	100	0.825	-0.93		100	47.5	-52.3
Zone 5	10	1	-1.4	Zone 5	10	55.8	-74.7
	100	0.825	-1.1		100	47.5	-60.5

Design Pressures

Pressure	Area	Pos	Neg
Zone 1	Min	25.0	-61.9
	100	25.0	-33.5
Zone 2	Min	25.0	-81.7
	100	25.0	-44.8
Zone 3	Min	25.0	-107.2
	100	25.0	-56.2
OH Z1	Min		-76.0
	100		-47.7
OH Z2	Min		-104.4
	100		-73.2
OH Z3	Min		-138.5
	100		-70.4
Zone 4	10	33.5	-36.3
	100	28.5	-31.4
Zone 5	10	33.5	-44.8
	100	28.5	-36.3

Note: Min area provides the highest loads, 10 sq. ft could have a lower load

MWFRS

Transverse

	1	2	3	4	1e	2e	3e	4e
+GCpi	12.46	-41.14	-27.75	-24.44	23.34	-59.11	-36.11	-32.17
-Gcpi	29.48	-24.12	-10.73	-7.42	40.36	-42.09	-19.08	-15.14
Max	29.48	-41.14	-27.75	-24.44	40.36	-59.11	-36.11	-32.17

Longitudinal

	1	2	3	4	5	6	1e	2e	3e	4e	5e	6e
+GCpi	-29.79	-41.14	-26.01	-29.79	10.40	-22.23	-31.21	-59.11	-33.57	-31.21	20.33	-28.85
-Gcpi	-12.77	-24.12	-8.98	-12.77	27.43	-5.20	-14.19	-42.09	-16.55	-14.19	37.36	-11.82
Max	-29.79	-41.14	-26.01	-29.79	27.43	-22.23	-31.21	-59.11	-33.57	-31.21	37.36	-28.85

	Vertical				Horz			
	End		Int		End		Int	
	WW	LW	WW	LW	Roof	Wall	Roof	Wall
Trans	-59.11	-36.11	-41.14	-27.75	-88.4278	-70.4585	-23.00	55.51
Long	-59.11	-33.57	-41.14	-26.01	-88.4278	-	-25.54	49.18

Design Loading

	Vertical						Horz			
	End		Int		Overhang		End		Int	
	WW	LW	WW	LW	End	Int	Roof	Wall	Roof	Wall
Trans	-35.47	-21.66	-24.68	-16.65	-53.06	-42.28	-13.80	33.30	-8.03	22.14
Long	-35.47	-20.14	-24.68	-15.60	-58.16	-47.38	-13.80	29.51	-8.03	19.58

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY



Const. Type: VB
 Occupancy: Single Family Dwelling
 Allowable No. of Floors: 1
 Wind Velocity: 160 MPH Vult
 Fire Rating of Ext. Walls: 0
 Plan No.: MFT15339-CSM-3268
 Allow. Floor Load: 40
 Approval Date: 06/16/2026
 Manufacturer: Timber Creek Housing

Design Criteria:

Total Length:	76.00 ft	Top chord DL:	15 psf	Vult:	160 mph
Total Width:	30.00 ft	Bottom chord DL:	12 psf	Vasd:	124 mph
Unit Width:	15.00 ft	Bottom chord LL:	0 psf	Exposure: C	
Pitch:	2.12 /12	Stories:	1	Internal Press:	0.18
Roof Angle:	10.0 deg	Floor Live Load:	40 psf	End zone, 2a:	6 ft
Wall height:	8.50 ft	Floor Dead Load:	10 psf		
Overhang:	12 in	Wall Dead Load:	5 psf		
Blocking Height:	18 in	Ceiling R value:	38		
Eave Height:	9.00 ft	Framing Rafters?:	no		
Min Mean Roof ht:	15.00 ft	Truss Spacing:	16 in oc		
Mean Roof Height:	11.83 ft				
Snow Loading:		Wind Loading:			
Ground Snow Load:	3 psf	WW	LW	WWOH	
Snow Thermal factor:	1.1	Transverse End:	-35.47	-21.66	-53.06
Snow exposure factor:	1	Interior:	-24.68	-16.65	-42.28
Snow importance Factor:	1	Long End:	-35.47	-20.14	-58.16
Flat Roof Snow, Pf:	2.31 psf	Interior:	-24.68	-15.60	-47.38
Sloped Roof Snow Ps:	3 psf				
Unbalanced Roof Load:	7.33 psf				
Minimum Roof Lr:	20 psf				

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 Allowable No. of Floors: 1
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 Fire Rating of Ext. Walls: 0
 Plan No.: MT15339-CSM-3268
 Allow. Floor Load: 40
 Approval Date: 06/16/2026
 Manufacturer: Timber Creek Housing

Truss Reactions

Gravity Matewall: 559 lbs Uplift: Matewall: 738 lbs
 Sidewall: 619 lbs Sidewall: 803 lbs
 Truss Spacing: 16 in oc. Snow Load: 3 psf

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 Act and adopted Codes and
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Const. Type: VB
 Occupancy: Single Family Dwelling
 Allowable No. of Floors: 1
 Wind Velocity: 160 MPH Valt
 Fire Rating of Ext. Walls: 0
 Plan No.: MFT15139-CSN-3268
 Allow. Floor Load: 40
 Approval Date: 06/16/2026
 Manufacturer: Timber Creek Housing

Load Cases

Load Case	Load Case	Roof			Roof and 1 Story			LDF
		Sidewall	Matewall	Endwall	Sidewall	Matewall	Endwall	
1	D	218	203	33	279	264	82	0.9
2	0.7S	14	12	3	14	12	3	1.15
3	0.7Su	12	54	9	12	54	9	1.15
4	Lr	246	216	33	246	216	33	1.25
5	L	0	0	0	77	77	27	1
6	Wp	0	0	0	0	0	0	1.6
7	Wn	-733	-675	-82	-733	-675	-82	1.6
8	.75(L+Lr)	185	162	25	242	220	45	1.25
9	.75(L+0.7S)	10	9	2	68	67	22	1.15
10	.75(L+0.7Su)	9	40	6	67	98	26	1.15
11	.75(L+0.7S+Wp)	10	9	2	68	67	22	1.6
12	D+L	218	203	33	357	342	109	1
13	D+Lr	464	419	66	525	480	116	1.25
14	D+0.7S	231	215	36	293	276	85	1.15
15	D+0.7Su	229	256	42	291	318	91	1.15
16	D+.75(L+Lr)	402	365	58	522	484	127	1.25
17	D+.75(L+0.7S)	228	212	35	348	331	104	1.15
18	D+.75(L+Su)	226	243	39	346	363	109	1.15
19	D+.75(L+0.7S+Wp)	228	212	35	348	331	104	1.6
20	.6D+Wn	-602	-554	-62	-565	-516	-33	1.6
Dead Load:		218	203	33	279	264	82	
Dead LC:		D	D	D	D	D	D	
Live Load:		246	216	33	246	220	45	
Live LC:		Lr	Lr	Lr	Lr	.75(L+Lr)	.75(L+Lr)	
Total Load:		464	419	66	525	484	127	
Total LC:		D+Lr	D+Lr	D+Lr	D+Lr	D+.75(L+Lr)	D+.75(L+Lr)	
Uplift Load:		-602	-554	-62	-565	-516	-33	
Uplift LC:		.6D+Wn	.6D+Wn	.6D+Wn	.6D+Wn	.6D+Wn	.6D+Wn	
Design Load:		464	419	66	525	484	109	
Design LC:		D+Lr	D+Lr	D+Lr	D+Lr	D+.75(L+Lr)	D+L	
Design LDF:		1.25	1.25	1.25	1.25	1.25	1	

Floor Load only

Live	77	77	1
Dead	75	75	0.9

Combined Loading:

Max Bending:

1 D	218	203	33	279	264	82 plf
2 D+Wp	218	203	33	279	264	82 plf
Max down	218	203	33	279	264	82 plf
Lateral	24.22	5	24.22	24.22	5	24.22 psf

Max Axial

1 D+.75(L+Lr)	402	365	58	522	484	127 plf
2 D+.75(L+0.7S)	228	212	35	348	331	104 plf
3 D+.75(L+Su)	226	243	39	346	363	109 plf
4 D+.75(L+0.7S+Wp)	228	212	35	348	331	104 plf
Max down	402	365	58	522	484	127 plf
Lateral	18.16	3.75	18.16	18.16	3.75	18.16 psf

Matewall Headers Supporting Roof

Vertical Load			
Dead Load:	203 plf	D	
Live Load:	216 plf	Lr	
Total Load:	419 plf	D+Lr	
Uplift Load:	-554 plf	.6D+Wn	

Cr: 1.15 LL defl L/ 240
Cd: 1.25 TL defl L/ 180

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:



Const. Type:	VB
Occupancy:	Single Family Dwelling
Allowable No. of Floors:	1
Wind Velocity:	160 MPH Vult
Fire Rating of Ext. Walls:	0
Plan No.:	MFT15139-CSM-3268
Allow. Floor Load:	40
Approval Date:	06/16/2026
Manufacturer:	Timber Creek Housing

Location: Matewall
Supporting: Roof

Wall height: 102 in
Min sill height: 18 in
LVL: Microllam
LVL MOE (E): 2000000 psi
E min: 1016411 psi
Fb: 2750 psi
Fv: 285 psi
Fcperp: 750 psi
Volume effect exp (e): 0.136
Cr (LVL): 1.04

Vertical

	Qty.	B	D	Species	Grade	Direction	Cfu	Cfb	Fb	Fv	Fcperp	E	Emin	Fb'	Fv'	A	S	I
1	1	1.5	5.5	SYP	#3	Edge	1	1.0	575	175	565	1300000	470000	719	219	8.3	7.6	20.8
2	1	1.5	7.25	SYP	#3	Edge	1	1.0	525	175	565	1300000	470000	656	219	10.9	13.1	47.6
3	1	1.5	9.25	SYP	#3	Edge	1	1.0	475	175	565	1300000	470000	594	219	13.9	21.4	98.9
4	1	1.5	11.25	SYP	#3	Edge	1	1.0	450	175	565	1300000	470000	563	219	16.9	31.6	178.0
5	1	1.5	7.25	LVL	LVL	Edge	1	1.1	2750	285	750	2000000	1016411	3681	285	10.9	13.1	47.6
6	1	1.5	9.25	LVL	LVL	Edge	1	1.0	2750	285	750	2000000	1016411	3561	285	13.9	21.4	98.9
7	1	1.5	11.25	LVL	LVL	Edge	1	1.0	2750	285	750	2000000	1016411	3468	285	16.9	31.6	178.0
8	1	1.5	14	LVL	LVL	Edge	1	1.0	2750	285	750	2000000	1016411	3366	285	21.0	49.0	343.0
9	1	1.5	18	LVL	LVL	Edge	1	0.9	2750	285	750	2000000	1016411	3253	285	27.0	81.0	729.0
10	1	1.5	20	LVL	LVL	Edge	1	0.9	2750	285	750	2000000	1016411	3207	285	30.0	100.0	1000.0

	Shear	Moment	LL def	TL def
1	80	35	78	76
2	105	44	103	100
3	134	54	132	128
4	163	64	160	155
5	133	105	119	115
6	169	132	152	147
7	206	159	185	179
8	256	194	230	223
9	330	246	296	287
10	366	271	329	318

Member	Max Span	Reactions (lbs)		Bearing (in)
		Gravity	Uplift	
1 (1) 2x 6 SYP #3	35 in	700	-810	0.9
2 (1) 2x 8 SYP #3	44 in	800	-1020	0.9
3 (1) 2x 10 SYP #3	53 in	1000	-1230	0.9
4 (1) 2x 12 SYP #3	63 in	1200	-1460	0.9
5 (1) 2x 7.25 LVL LVL	105 in	1900	-2430	0.7
6 (1) 2x 9.25 LVL LVL	132 in	2400	-3050	0.7
7 (1) 2x 11.25 LVL LVL	158 in	2800	-3650	0.7
8 (1) 2x 14 LVL LVL	194 in	3400	-4480	0.7
9 (1) 2x 18 LVL LVL	245 in	4300	-5660	0.7
10 (1) 2x 20 LVL LVL	270 in	4800	-6230	0.7

.131x3"		# nails		# can be based off span or header
Grav	Uplift	Grav	Uplift	# .131x3" nails per header
69.1	88.4	10.13	9.16	11
		11.58	11.53	12
		14.47	13.91	15
		17.37	16.51	18
		27.50	27.48	28
		34.74	34.49	35
		40.52	41.27	41
		49.21	50.66	50

Matewall Columns										Location: Matewall Supporting: Roof	
<u>Vertical Load</u>					<u>Lateral Load</u>					Wall height: 102 in	
NDS Load:	419 plf		D+Lr		Lateral only					0 Top/Btm Plate (tp):	4.5 in
Total Load:	419 plf		D+Lr		Stud area: 24.1 ft^2					LVL: Microllam	
Uplift Load:	-554 plf		.6D+Wn		Lateral: 5 psf	W				LVL MOE (E): 2000000 psi	
										E min: 1016411 psi	
										Fb: 2750 psi	
										Fv: 285 psi	
										Fcperp: 750 psi	
										Vol eff (e): 0.136	
										Cr (LVL): 1.04	

Vertical																		
Spacing	B	D	Species	Grade	c	le/D	Cfb	CfC	Fb	Fc (grav)	Fc (comb)	Fcperp	E	Emin	FcE	Ft		
1	16	1.5	3.5	SYP	#3	0.8	27.9	1.0	1.00	650	850	850	565	1300000	470000	498	400	
										Cp	0.41	0.33						
										Allowable:	1040	437	453	565	1300000	470000		
Bearing length:		1.5		Non braced (between spans)														

Bearing length: 1.5										Non braced (between spans)						
										65	33	22				
										91	366	823				
										0.0845	0.315228	0.5973				

# of Studs		1	2	3	4	5	6	7	8	9	10	1	2	3
<u>Properties</u>														
Area in^2		5.3	10.5	15.8	21.0	26.3	31.5	36.8	42.0	47.3	52.5	5.3	10.5	15.8
Sx in^3		3.1	6.1	9.2	12.3	15.3	18.4	21.4	24.5	27.6	30.6	3.1	6.1	9.2
Ix in^4		5.4	10.7	16.1	21.4	26.8	32.2	37.5	42.9	48.2	53.6	5.4	10.7	16.1

Axial Loading

Fc compression	66	131	197	263	328	394	460	525	591	656	13	101	286
Fc Perp compression	36	73	109	146	182	218	255	291	327	364			
Tension	73	146	219	291	364	437	510	583	656	728			

Combined Loading

Uplift/Lateral	73	146	219	291	364	437	510	583	656	728			
Vert/Lateral max Lat	63	223	355	489	624	760	897	1034	1172	1310			
Vert/Lateral Max Vert	63	130	204	279	355	431	508	584	661	738			

Deflection Check

L/	1039	2078	3117	4157	5196	6235	7274	8313	9352	10391			
OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK			
36	73	109	146	182	218	255	291	327	364				

Max Span

	Max Trib	Max Side Opening						Max Center opening (total distance of both spans)					
1	36 in	55 in =	4 ft -	7 in				19 in =	1 ft -	7 in			
2	73 in	126 in =	10 ft -	6 in				104 in =	8 ft -	7 in			
3	109 in	197 in =	16 ft -	5 in				157 in =	13 ft -	1 in			
4	146 in	269 in =	22 ft -	5 in				209 in =	17 ft -	5 in			
5	182 in	340 in =	28 ft -	3 in				261 in =	21 ft -	9 in			
6	218 in	411 in =	34 ft -	3 in				314 in =	26 ft -	2 in			
7	255 in	482 in =	40 ft -	1 in				366 in =	30 ft -	6 in			
8	291 in	554 in =	46 ft -	1 in				419 in =	34 ft -	11 in			
9	327 in	625 in =	52 ft -	1 in				471 in =	39 ft -	3 in			
10	364 in	696 in =	58 ft -	0 in				523 in =	43 ft -	7 in			

Notes: Center column is total span on both sides of column. Side column is total clear span
All studs are to be braced in weak axis by gypsum or sheathing.
Center column must be in center 1/3 of span.
Studs must be as wide as header.

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

APPROVED BY
NIA INC.

Const. Type: VB
Occupancy: Single Family Dwelling
Allowable No. of Floors: 1
Wind Velocity: 160 MPH Vult
Fire Rating of Ext. Walls: 0
Plan No.: MFT15339-CSM-3268
Allow. Floor Load: 40
Approval Date: 06/16/2026
Manufacturer: Timber Creek Housing

Sidewall Headers (Laterally Loaded)

Location: Sidewall
Supporting: Roof

Vertical Load
Dead Load: 218 plf D
Live Load: 246 plf Lr
Total Load: 464 plf D+Lr
Uplift Load: -602 plf .6D+Wn

Lateral Load
Lateral only
Wind: -157 plf (C&C)
def=.7 C&C

Combined Vert and Lat (max Lat)
Vertical: 218 plf 0
Lateral: 85 plf W
Combined Vert and Lat (max Vert)
Vertical: 402 plf 0
Lateral: 64 plf .75W

Wall height: 102 in
Min sill height: 18 in
LVL: Microllam
LVL MOE (E): 2000000 psi
E min: 1016411 psi
Fb: 2750 psi
Fv: 285 psi
Fcperp: 750 psi
Volume effect exp (e): 0.136
Cr (LVL): 1.04

Cr: 1.15 LL defl L/ 240
Cd: 1.25 TL defl L/ 180

Cd: 1.6 Lateral deflection L/ 120

Vertical

Qty.	B	D	Species	Grade	Direction	Cfu	Cfb	Fb	Fv	Fcperp	E	Emin	Fb'	Fv'	A	S	I
1	2	1.5	5.5	SYP	#2	Edge	1	1.0	1000	175	565	1400000	510000	1250	219	16.5	41.6
2	2	1.5	7.25	SYP	#2	Edge	1	1.0	925	175	565	1400000	510000	1156	219	21.8	95.3
3	2	1.5	9.25	SYP	#2	Edge	1	1.0	800	175	565	1400000	510000	1000	219	27.8	197.9
4	2	1.5	11.25	SYP	#2	Edge	1	1.0	750	175	565	1400000	510000	938	219	33.8	356.0
5	2	1.5	5.5	SYP	#3	Edge	1	1.0	575	175	565	1300000	470000	719	219	16.5	41.6
6	2	1.5	7.25	SYP	#3	Edge	1	1.0	525	175	565	1300000	470000	656	219	21.8	95.3
7	2	1.5	9.25	SYP	#3	Edge	1	1.0	475	175	565	1300000	470000	594	219	27.8	197.9
8	2	1.5	11.25	SYP	#3	Edge	1	1.0	450	175	565	1300000	470000	563	219	33.8	356.0
9																	
10																	

lu	le	Fbe	Cl
1	60.7	115.5	2168
2	73.9	142.2	1336
3	82.9	162.9	914
4	90.0	180.4	679
5	46.9	93.0	2480
6	58.6	117.3	1492
7	70.1	142.1	966
8	80.6	165.1	683
9			
10			

Shear	Moment	LL def	TL def
135	61	97	130
178	74	128	171
228	83	163	218
277	90	198	265
135	47	95	126
178	59	125	167
228	70	159	212
277	81	193	258

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:



Const. Type:	VB
Occupancy:	Single Family Dwelling
Allowable No. of Floors:	1
Wind Velocity:	160 MPH Valt
Fire Rating of Ext. Walls:	0
Plan No.:	MT15339-CSM-3268
Allow. Floor Load:	40
Approval Date:	06/16/2026
Manufacturer:	Timber Creek Housing

Lateral and Combined Loading

Cfu	Cfb	Fb' Vert	Fb' Lat	A	Sy	ly	Lateral only		Fbe	Cl	Max Lateral		Fbc	Cl	Max Vertical	
							Moment	Shear	Def		Bending	Shear			Bending	Shear
1	1.15	1	1600	1840	16.5	4.1	68	457	67	1633	84	202	1966	0.89	68	135
2	1.15	1	1480	1702	21.8	5.4	75	602	74	1080	95	266	1262	0.74	79	178
3	1.2	1	1280	1536	27.8	6.9	81	769	80	762	103	340	878	0.63	87	227
4	1.2	1	1200	1440	33.8	8.4	86	935	85	577	109	413	660	0.52	93	276
5	1.15	1	920	1058	16.5	4.1	52	457	66	1802	68	202	2207	0.97	54	135
6	1.15	1	840	966	21.8	5.4	57	602	72	1114	83	266	1337	0.93	67	178
7	1.2	1	760	912	27.8	6.9	62	769	78	748	95	340	886	0.87	79	227
8	1.2	1	720	864	33.8	8.4	67	935	83	555	104	413	643	0.77	87	276
9																
10																

Member	Max Span	Reactions (lbs)		Bearing	Shear @ 1.0LDF		Max Fasteners All.		W/O Jack or Strap (in)		No strap fastener #	
		Gravity	Uplift	(in)			Nails	Staples	Nails	Staples	Nails	Staple
1 (2) 2x 6 SYP #2	60 in	1200	-1510	0.8	0.131	55	8	16	28	31	18	32
2 (2) 2x 8 SYP #2	73 in	1500	-1840	0.8	15ga	30	10	16	35	31	21	39
3 (2) 2x 10 SYP #2	79 in	1600	-1990	0.8	Shear @ Gravity		10	16	35	31	23	42
4 (2) 2x 12 SYP #2	85 in	1700	-2140	0.8	0.131	68.75	10	16	35	31	25	45
5 (2) 2x 6 SYP #3	46 in	900	-1160	0.8	15ga	37.5	8	16	28	31	14	25
6 (2) 2x 8 SYP #3	56 in	1100	-1410	0.8			10	16	35	31	17	30
7 (2) 2x 10 SYP #3	62 in	1200	-1560	0.8	Shear @ Uplift		10	16	35	31	18	33
8 (2) 2x 12 SYP #3	66 in	1300	-1660	0.8	0.131	88	10	16	35	31	19	35
9					15ga	48						
10												

Sidewall Studs (King)															Location: Sidewall Supporting: Roof					
<u>Vertical Load</u>					<u>Lateral Load</u>					<u>Combined Vert and Lat (max Lat)</u>					Wall height: 102 in					
NDS Load:	464	plf	D+Lr		Lateral only					Vertical:	218	plf	0	Top/Btm Plate (tp):	4.5	in				
Total Load:	464	plf	D+Lr		Stud area: 24.1 ft^2					Lateral:	33	psf	W	Header height:	80	in				
Uplift Load:	-602	plf	.6D+Wn		Zone 5: 41 psf					<u>Combined Vert and Lat (max Vert)</u>					LVL: Microllam					
					Zone 4: 34 psf					Vertical:	402	plf	0	LVL MOE (E):	2000000	psi				
					def=.7 C&C					Lateral:	25.0	psf	.75W	E min:	1016411	psi				
Cr:	1																			
Cd:	1.6																			
Cd grav:	1.25	ateral deflection L/ 120																		
Vertical										<u>Combined Uplift and Lat</u>					Fb:	2750	psi			
										Vertical:	-602	plf	.6D+Wn	Fv:	285	psi				
										Lateral:	25.0	psf	W	Fcperp:	750	psi				
															Vol eff (e):	0.136				
															Cr (LVL):	1.04				
Trib	B	D	Species	Grade	c	le/D	Cfb	CfC	Fb	Fc (grav)	Fc (comb)	Fcperp	E	Emin	FcE	Ft	Fv			
1	16	1.5	5.5	SYP	#3	0.8	17.7	1.0	1.00	575	800	800	565	1300000	470000	1229	350	175.0		
										Cp	0.76	0.68								
										Allowable:	920	757	866	565	1300000	470000	560			

<u>Single King Stud</u>															
Opening:	16	in	Lateral Only			Vertical Only			<u>Combined Max Lat</u>		<u>Combind Max Vert</u>				
			Fb:	716	psi	Fc:	75	psi	CSI:	0.80	CSI:	0.62	Max CSI:	0.80	OK

Check Single stud for a max given max opening
Then check jacks and kings seperately and take controlling number , say calc 1 king for wind and it spans X distance and it takes 3 jacks to span that
give results for different combinations

King Studs End Zone						King Studs Int Zone				
	1	2	3	4	5	1	2	3	4	5
<u>Properties</u>										
Area in^2	8.3	16.5	24.8	33.0	41.3	8.3	16.5	24.8	33.0	41.3
Sx in^3	7.6	15.1	22.7	30.3	37.8	7.6	15.1	22.7	30.3	37.8
Ix in^4	20.8	41.6	62.4	83.2	104.0	20.8	41.6	62.4	83.2	104.0
<u>Lateral Only (trib)</u>										
Moment at Center	21	41	62	82	103	25	49	74	98	123
Moment at Header	32	64	96	129	161	38	77	115	153	192
Shear	69	139	208	277	347	83	165	248	331	413
<u>Combined Loading</u>										
Max Lat	233	650	1050	1446	1842	233	650	1050	1446	1842
Max Vert	151	371	586	801	1014	151	371	586	801	1014
<u>Deflection Check</u>	L/ 383 OK	383 OK	383 OK	383 OK	383 OK	321 OK	321 OK	321 OK	321 OK	321 OK
Max Span	21	41	62	82	103	25	49	74	98	123

<u>Max Span</u>																				
1											End Zone					Interior Zone				
2											25 in =	2	ft -	1	in	33 in =	2	ft -	9	in
3											66 in =	5	ft -	6	in	82 in =	6	ft -	10	in
4											107 in =	8	ft -	11	in	131 in =	10	ft -	11	in
5											148 in =	12	ft -	4	in	180 in =	15	ft -	0	in
											189 in =	15	ft -	9	in	229 in =	19	ft -	0	in

All studs are to be braced in weak axis by gypsum or sheathing.
Center column must be in center 1/3 of span.
Studs must be as wide as header.

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

APPROVED BY
NIA INC.

Const. Type: VB
Occupancy: Single Family Dwelling
Allowable No. of Floors: 1
Wind Velocity: 160 MPH Valt
Fire Rating of Ext. Walls: 0
Plan No.: MET15339-CSM-3268
Allow. Floor Load: 40
Approval Date: 06/16/2026
Manufacturer: Timber Creek Housing

Sidewall Studs (Jack)

Vertical Load

NDS Load: 464 plf D+Lr
 Total Load: 464 plf D+Lr
 Uplift Load: -602 plf .6D+Wn

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:



Const. Type: VB
 Occupancy: Single Family Dwelling
 Allowable No. of Floors: 1
 Wind Velocity: 160 MPH Vult
 Fire Rating of Ext. Walls: 0
 Plan No.: MFT15139-CSM-3268
 Allow. Floor Load: 40
 Approval Date: 06/16/2026
 Manufacturer: Timber Creek Housing

Location: Sidewall
 Supporting: Roof

Wall height: 102 in
 Top/Btm Plate (tp): 4.5 in
 LVL: Microllam
 LVL MOE (E): 2000000 psi
 E min: 1016411 psi
 Fb: 2750 psi
 Fv: 285 psi
 Fcperp: 750 psi
 Vol eff (e): 0.136
 Cr (LVL): 1.04

Cr: 1
 Cd: 1.6

Cd grav: 1.25 lateral deflection L/ 120

Vertical

Spacing	B	D	Species	Grade	c	le/D	Cfb	CfC	Fb	Fc (grav)	Fc (comb)	Fcperp	E	Emin	FcE	Ft
1 16	1.5	5.5	SYP	#3	0.8	17.7	1.0	1.00	575	800	800	565	1300000	470000	1229	350
									Cp	0.76	0.68					
									Allowable:	920	757	866	565	1300000	470000	560

Header width: 1.5 in
 3 in
 4.5 in

of Studs Properties

	1	2	3	4	5	6	7	8	9	10
Area in^2	8.3	16.5	24.8	33.0	41.3	49.5	57.8	66.0	74.3	82.5
Sx in^3	7.6	15.1	22.7	30.3	37.8	45.4	52.9	60.5	68.1	75.6
Ix in^4	20.8	41.6	62.4	83.2	104.0	124.8	145.6	166.4	187.2	208.0

Axial Loading

Fc compression	161	323	484	646	807	969	1130	1292	1453	1615
Fc Perp compression 1.5 in	33	66	99	131	164	197	230	263	296	329
Fc Perp compression 3 in	66	131	197	263	329	394	460	526	591	657
Fc Perp compression 4.5 in	99	197	296	394	493	591	690	789	887	986
Tension	92	184	276	368	460	552	644	736	828	921

Trib taken by King stud: 0 in Increase of span: 0

Max Span

	Double Headers			Triple Headers		
1	125 in	=	10 ft - 4 in	178 in	=	14 ft - 10 in
2	250 in	=	20 ft - 9 in	356 in	=	29 ft - 8 in
3	376 in	=	31 ft - 3 in	534 in	=	44 ft - 6 in

Sill Plates

Lateral Load

Lateral only

Wind: 160 plf (C&C)

def=.7 C&C

Wall height: 102 in

Min sill height: 18 in

LVL: Microllam

LVL MOE (E): 2000000 psi

E min: 1016411 psi

Fb: 2750 psi

Fv: 285 psi

Fcperp: 750 psi

Volume effect exp (e): 0.136

Cr (LVL): 1.04

Cr: 1.15

Cd: 1.6 Lateral deflection L/ 180

Vertical

	Qty.	B	D	Species	Grade	Direction	Cfu	Cfb	Fb	Fv	Fcperp	E	Emin	Fb'	Fv'	A	S	I
1	1	1.5	5.5	SYP	#2	Edge	1	1.0	1000	175	565	1400000	510000	1600	280	8.3	7.6	20.8
2	2	1.5	5.5	SYP	#2	Edge	1	1.0	1000	175	565	1400000	510000	1600	280	16.5	15.1	41.6
3	3	1.5	5.5	SYP	#2	Edge	1	1.0	1000	175	565	1400000	510000	1840	280	24.8	22.7	62.4
4	1	1.5	5.5	SYP	#3	Edge	1	1.0	575	175	565	1300000	470000	920	280	8.3	7.6	20.8
5	2	1.5	5.5	SYP	#3	Edge	1	1.0	575	175	565	1300000	470000	920	280	16.5	15.1	41.6
6	3	1.5	5.5	SYP	#3	Edge	1	1.0	575	175	565	1300000	470000	1058	280	24.8	22.7	62.4
7																		
8																		
9																		
10																		

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
NIA INC.

Const. Type: VB
Occupancy: Single Family Dwelling
Allowable No. of Floors: 1
Wind Velocity: 160 MPH Valt
Fire Rating of Ext. Walls: 0
Plan No.: MFT15339-CSM-3268
Allow. Floor Load: 40
Approval Date: 06/16/2026
Manufacturer: Timber Creek Housing

	Iu	Ie	Fbe	CI
1	78.4	144.2	1736	0.85
2	103.5	185.2	1352	0.74
3	121.5	214.6	1167	0.59
4	63.2	119.5	1930	0.96
5	88.1	160.1	1441	0.93
6	110.8	197.1	1171	0.85
7				
8				
9				
10				

Shear	Moment	Def
241	78	98
472	104	123
702	122	141
241	63	95
472	88	120
702	111	137

Member
1 (1) 2x 6 SYP #2
2 (2) 2x 6 SYP #2
3 (3) 2x 6 SYP #2
4 (1) 2x 6 SYP #3
5 (2) 2x 6 SYP #3
6 (3) 2x 6 SYP #3
7
8
9
10

Max Span	Reactions (lbs)
	Gravity
78 in	600
103 in	700
121 in	900
63 in	500
88 in	600
110 in	800

Sill to Stud (end nail in sill only)		
Maximum Header Span		
Fastener each end	0.131"x3" nails	
4	27in. (2ft. - 3in.)	
6	53in. (4ft. - 5in.)	
8	80in. (6ft. - 8in.)	

Connections

Truss to exterior wall uplift:

Uplift Force: 803 lb
Simpson MTS12: 850 lb

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:



Const. Type:	VB
Occupancy:	Single Family Dwelling
Allowable No. of Floors:	1
Wind Velocity:	160 MPH Valt
Fire Rating of Ext. Walls:	0
Plan No.:	MFT13339-CSM-3268
Allow. Floor Load:	40
Approval Date:	06/16/2026
Manufacturer:	Timber Creek Housing

Truss to exterior wall Lateral:

End: 36.3 psf
Int: 31.4 psf
Height: 8.50 ft
Spacing: 16 in oc
Load:
End: 205.8 lb
Int: 177.7 lb
.131 nail: 88.44 lb
.131x3"Nails End: 3.0
.131x3" Nails Int: 3.0
Use (3) .131x3" nails to connect truss to plates

Truss to Header Matewall:

Uplift: 738 lb
Gravity: 559 lb
.131 nail EG: 88.44 lb
.131 nail EG LL: 69.09 lb

.131x3": 8.3 Nails
Or hanger rated for 559lb gravity and 738lb uplift

Stud to Plate:

End: 45 psf
Int: 36 psf
Height: 8.50 ft
Spacing: 16 in oc
Load:
End: 254.0 lb
Int: 205.8 lb
.131 nail: 88.44 lb
Nails End: 3.0
Nails Int: 3.0
Use (3) .131x3" nails to connect studs to plates

Plate to floor and plate interconnection (top plate):

End:	45 psf
Int:	36 psf
Height:	8.50 ft
Load:	190.5 plf
.131 Nailx3":	108 lb
Spacing of .131 nail:	6.0 " OC int and end zones
15gax2.5" staple:	72 lb
Spacing of 15ga:	4.0 " OC int and end zones

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:



Const. Type:	VB
Occupancy:	Single Family Dwelling
Allowable No. of Floors:	1
Wind Velocity:	160 MPH Vult
Fire Rating of Ext. Walls:	0
Plan No.:	MFT15339-CSM-3268
Allow. Floor Load:	40
Approval Date:	06/16/2026
Manufacturer:	Timber Creek Housing

Uplift Straps: Sidewall

Uplift: -602 plf

Stud Spacing: 16 in

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:



Const. Type:	VB
Occupancy:	Single Family Dwelling
Allowable No. of Floors:	1
Wind Velocity:	160 MPH Valt
Fire Rating of Ext. Walls:	0
Plan No.:	MFT13339-CSM-3268
Allow. Floor Load:	40
Approval Date:	06/16/2026
Manufacturer:	Timber Creek Housing

Strapping

Strap All: 1115 lbs LSTA18

fasteners: 14 .148x 1.5"

Strap Spacing: 1.85 ft (MAX SPACING USE 16" OC)

At openings

Span (in)

# of straps	Side opening	center opening
1	28	44
2	72	88
3	116	132
4	160	176
5	206	222
6	250	266
7	294	310
8	338	354
total span		

If sheathing is being used for uplift NOT at openings:

Max OSB per E510A: 1500 plf
.131 Nail: 108 lb

Spacing from OSB to rail:
.131 Nail: 2.15 " oc
fasteners into Studs:
.131 Nail: 7.4 lb

Uplift Straps: Matewall

Uplift: -554 plf

Stud Spacing: 16 in

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:



Const. Type:	VB
Occupancy:	Single Family Dwelling
Allowable No. of Floors:	1
Wind Velocity:	160 MPH Valt
Fire Rating of Ext. Walls:	0
Plan No.:	MFT13339-CSM-3268
Allow. Floor Load:	40
Approval Date:	06/16/2026
Manufacturer:	Timber Creek Housing

Strapping

Strap All: 1115 lbs LSTA18

fasteners: 14 .148x 1.5"

Strap Spacing: 2.01 ft (MAX SPACING USE 16" OC)

At openings

Span (in)

# of straps	Side opening	center opening
1	32	48
2	80	96
3	128	144
4	176	192
5	224	240
6	274	290
7	322	338
8	370	386
total span		

If sheathing is being used for uplift NOT at openings:

Max OSB per E510A: 1500 plf
.131 Nail: 108 lb

Spacing from OSB to rail:
.131 Nail: 2.34 " oc
fasteners into Studs:
.131 Nail: 6.8 lb

Exterior Sheathing:

Load Combination		LDF
D	15 psf	0.9
S	2 psf	1.15
Su	7 psf	1.15
Lr	20 psf	1.25
Wp (MWFRS)	-20 psf	1.6
Wn (MWFRS)	-58 psf	1.6
Wp (C&C)	25 psf	1.6
Wn (C&C)	-111 psf	1.6
.75(S+Wp)	-14 psf	1.6
D+Lr	35 psf	1.25
D+S	17 psf	1.15
D+Su	22 psf	1.15
D+.75(S+Wp)	1 psf	1.6

Governing LL: 111 psf (Wn (C&C))
 Governing TL: 111 psf (Wn (C&C))
 Design Load: 111 psf (Wn (C&C))
 LDF 1.6
 C&C Load Red. 0.7

Deflection Limit
 LL: L/ 240
 TL: L/ 180

Min Panel Width (in): 24
 Moisture in Service <16% yes

CMStrength = 1
 CMStiffness = 1
 Cc = 1
 Cs = 0.5

Wall:

Sheathing Material OSB
 Sheathing Thickness 7/16
 Span Rating 24/16
 Stud Spacing = 16 in oc
 Support Width = 1.5 in
 SW 0.25

Roof:

Sheathing Material OSB
 Sheathing Thickness 7/16
 Span Rating 24/16
 Truss Spacing = 16 in oc
 Support Width = 1.5 in
 SW 0.25

	Perp	Parallel		Perp	Parallel
Bending Stiffness, EI (lbf-in ² /ft)	16000	78000	Bending Stiffness, EI (lbf-in ² /ft)	16000	78000
Bending Strength, FbS (lbf-in/ft)	115	385	Bending Strength, FbS (lbf-in/ft)	115	385
Shear in Plane, Fs (lbf/ft)	150	150	Shear in Plane, Fs (lbf/ft)	150	150

Wall Strength:

		Perpendicular to Support			Parallel To Support		
		1-Span	2-Span	3-Span	1-Span	2-Span	3-Span
Allowable Uniform Load (psf)	Shear	397.2	317.8	331.0	397.2	317.8	331.0
	Bending	231.0	231.0	288.8	69.0	69.0	86.3
	LL Defl.	91.8	221.0	173.5	18.8	45.3	35.6
Stress Ratio	TL Defl.	--	--	--	--	--	--
	Shear	0.11	0.14	0.14	0.11	0.14	0.14
	Bending	0.19	0.19	0.16	0.65	0.65	0.52
	LL Defl.	0.34	0.14	0.18	1.67	0.69	0.88
	TL Defl.	--	--	--	--	--	--
		OK	OK	OK	NG	OK	OK

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:



Const. Type:	VB
Occupancy:	Single Family Dwelling
Allowable No. of Floors:	1
Wind Velocity:	160 MPH Valt
Fire Rating of Ext. Walls:	0
Plan No.:	MET15339-CSM-3268
Allow. Floor Load:	40
Approval Date:	06/16/2026
Manufacturer:	Timber Creek Housing

Roof Strength:

		Perpendicular to Support			Parallel To Support		
		1-Span	2-Span	3-Span	1-Span	2-Span	3-Span
Allowable Uniform Load (psf)	Shear	397.2	317.8	331.0	397.2	317.8	331.0
	Bending	231.0	231.0	288.8	69.0	69.0	86.3
	LL Defl.	131.1	315.7	247.9	26.9	64.8	50.9
	TL Defl.	174.8	421.0	330.5	35.9	86.4	67.8
Stress Ratio	Shear	0.28	0.35	0.34	0.28	0.35	0.34
	Bending	0.48	0.48	0.38	1.61	1.61	1.29
	LL Defl.	0.85	0.35	0.45	4.13	1.71	2.18
	TL Defl.	0.64	0.26	0.34	3.10	1.29	1.64
		OK	OK	OK	NG	NG	NG

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Const. Type:	VB
Occupancy:	Single Family Dwelling
Allowable No. of Floors:	1
Wind Velocity:	160 MPH Vult
Fire Rating of Ext. Walls:	0
Plan No.:	MFT15339-CSM-3268
Allow. Floor Load:	40
Approval Date:	06/16/2026
Manufacturer:	Timber Creek Housing

Wall Attachment:

Diameter (in)	Length (in)	SG	W	Zone 4		Zone 5		Wall Overall	
				Edge	Field	Edge	Field	Edge	Field
0.092	2.25	0.42	42	6	10	6	8	6	8
0.113	2.25	0.42	52	6	12	6	10	6	10
0.131	2.50	0.42	68	6	12	6	12	6	12
0.148	3.00	0.42	96	6	12	6	12	6	12
16 Ga.	1.75	0.42	42	4	8	4	8	4	8
15 Ga.	1.75	0.42	48	4	8	4	8	4	8

Roof Attachment:

Diameter (in)	Length (in)	SG	W	Zone 1		Zone 2		Zone 3		Roof Overall	
				Edge	Field	Edge	Field	Edge	Field	Edge	Field
0.092	2.25	0.42	42	6	6	6	4	6	3	6	3
0.113	2.25	0.42	52	6	7	6	5	6	4	6	4
0.131	2.50	0.42	68	6	9	6	7	6	5	6	5
0.148	3.00	0.42	96	6	12	6	10	6	8	6	8
16 Ga.	1.75	0.42	42	3	6	3	4	3	3	3	3
15 Ga.	1.75	0.42	48	3	6	3	5	3	4	3	4

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Fire Rating of Ext. Walls:	0
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Allow. Floor Load:	40
Approval Date:	06/16/2026
Manufacturer:	Timber Creek Housing

Wind Pressures for Low-rise buildings or buildings with h<60ft
ASCE 7-22:

Wind Speed, Vult:	160 MPH	Roof Style:	Gable
Wind Exposure:	C	Roof Pitch:	2.12 /12
Mean Roof Height:	15 FT	Roof Angle:	10.0
Elevation:	0 FT	Width	30.00 ft
Ke:	1.00	2a:	6 ft
Kd:	0.85	Wall Height:	8.5 ft
Kzt:	1	Heel Ht:	6 in
kt:	0.85	Roof Ht:	2.65 ft
qh:	47.29 psf	Stud Spacing:	16 "oc
Building Type:	Enclosed	Overhang:	12 "
Gcpi:	0.18	Int. Shearwall:	NO
	-0.18		
Min net pressure:	16 psf		

MWFRS

Transverse

	1	2	3	4	1e	2e	3e	4e
+GCpi	12.5	-41.1	-27.7	-24.4	23.3	-59.1	-36.1	-32.2
-Gcpi	29.5	-24.1	-10.7	-7.4	40.4	-42.1	-19.1	-15.1
Max	29.5	-41.1	-27.7	-24.4	40.4	-59.1	-36.1	-32.2

Longitudinal

	1	2	3	4	5	6	1e	2e	3e	4e	5e	6e
+GCpi	-29.8	-41.1	-26.0	-29.8	10.4	-22.2	-31.2	-59.1	-33.6	-31.2	20.3	-28.8
-Gcpi	-12.8	-24.1	-9.0	-12.8	27.4	-5.2	-14.2	-42.1	-16.6	-14.2	37.4	-11.8
Max	-29.8	-41.1	-26.0	-29.8	27.4	-22.2	-31.2	-59.1	-33.6	-31.2	37.4	-28.8

	Vertical				Horz						
	End	Int		Overhang	End	Int		End	Wall	Int	
	WW	LW	WW	LW	End	Int		Roof		Roof	Wall
Trans		-59.1	-36.1	-41.1	-27.7	-88.4	-70.5	-23.0	55.5	-13.4	36.9
Long		-59.1	-33.6	-41.1	-26.0	-88.4	-	-25.5	49.2	-15.1	32.6

Design Loading

	Vertical							Horz			
	End	Int		Overhang				End	Int		
	WW	LW	WW	LW	End	Int		Roof	Wall	Roof	Wall
Trans	-35.5	-21.7	-24.7	-16.6	-53.1	-42.3		0.0	33.3	0.0	22.1
Long	-35.5	-20.1	-24.7	-15.6	-58.2	-47.4		0.0	29.5	0.0	19.6

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Wind Velocity:	160 MPH Vult
Fire Rating of Ext. Walls:	0
Plan No.:	MFT15139-CSM-3268
Allow. Floor Load:	40
Approval Date:	06/16/2026
Manufacturer:	Timber Creek Housing

Shearwalls:

Left Endwall:

End Zone:	Yes
Trib:	38.00 ft
End Roof:	0 lb
End Wall:	949 lb
Int Roof:	0 lb
Int Wall:	3365 lb
Total force:	4315 lb
Sheathing Thickness:	7/16 in
Fastener:	15ga staple
Wall Length:	30.00 ft
FHS Length:	18.33 ft
Wall Height:	8.5 ft
Tallest Opening:	5h/6
r:	0.65
Co:	0.63
Perf or Segmented:	P
Blocked:	YES
PLF required:	372.72
Framing:	SPF
Required Spacing:	3 " OC
Tiedown:	3168.1 lb
Strap for:	2157 lb

Right Endwall:

End Zone:	Yes
Trib:	38.00 ft
End Roof:	0 lb
End Wall:	949 lb
Int Roof:	0 lb
Int Wall:	3365 lb
Total force:	4315 lb
Sheathing Thickness:	7/16 in
Fastener:	15ga staple
Wall Length:	30.00 ft
FHS Length:	24.84 ft
Wall Height:	8.5 ft
Tallest Opening:	2h/3
r:	0.88
Co:	0.85
Perf or Segmented:	P
Blocked:	YES
PLF required:	203.57
Framing:	SPF
Required Spacing:	4 " OC
Tiedown:	1730.3 lb
Strap for:	2157 lb

Top Sidewall:

End Zone:	Yes
Trib:	15.00 ft
End Wall:	1055 lb
Int Wall:	1316 lb
Total force:	2371 lb
Sheathing Thickness:	7/16 in
Fastener:	15ga staple
Wall Length:	76.00 ft
FHS Length:	49.75 ft
Wall Height:	8.5 ft
Tallest Opening:	5h/6
r:	0.69
Co:	0.66
Perf or Segmented:	P
Blocked:	YES
PLF required:	72.36
Framing:	SPF
Required Spacing:	6 " OC
Tiedown:	615.0 lb

Bottom Sidewall:

End Zone:	Yes
Trib:	15.00 ft
End Wall:	1055 lb
Int Wall:	1316 lb
Total force:	2371 lb
Sheathing Thickness:	7/16 in
Fastener:	15ga staple
Wall Length:	60.00 ft
FHS Length:	36.00 ft
Wall Height:	8.5 ft
Tallest Opening:	h
r:	0.60
Co:	0.56
Perf or Segmented:	P
Blocked:	YES
PLF required:	118.56
Framing:	SPF
Required Spacing:	6 " OC
Tiedown:	1007.8 lb

Sidewall interconnection:	6 "oc .131 Nails
Capacity:	130 lbs per nail
Total Capacity	2210 lbs

Summary:	Fastener	Edge Spacing	Tiedown Force	Perf/Segment	HDU Quantity	LSTA18 Quantity	Corner Connection**
Left Endwall	15ga staple	3 "OC	3168 lb	P	1	3	NO
Right Endwall	15ga staple	4 "OC	1730 lb	P	1	2	YES
Top Sidewall	15ga staple	6 "OC	615 lb	P	1	1	YES
Bottom Sidewall	15ga staple	6 "OC	1008 lb	P	1	1	YES

All Chord Splices Use (18) .131 nails each side of each top plate splice

** 6 "oc .131 nails from sidewall to endwall where both walls have tiedown at the corner, then the sidewall is transferec

Diaphragm:

Max Force: 4314.5 lbs
Load: 134.8 plf
Sheathing: 7/16 in
Fastener: .131 Nail
Framing: SPF
Unblocked Capacity: 294.4 plf
Blocked: 331.2 plf
Blocking distance: 0.0 ft

0 ft blocked each end with .131 Nail @ 6"OC edge and field

Notes:

all 15ga staples minimum length of 1.5"

all .131 nails minimum length of 2"

Lateral Foundation Loads:

Endwalls: 16350 lb
Sidewalls: 8135 lb

Chord Splice:

w: 94.1 plf
moment: 67937.32 ft-lbs
top plate tension: 2264.577 lbs
.131 nail: 132 lbs
.131 nails: 17.16
Use (18) .131 nails each side of each top plate splice

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Allowable No. of Floors:	1
Wind Velocity:	160 MPH Vult
Fire Rating of Ext. Walls:	0
Plan No.:	MFT15339-CSM-3268
Allow. Floor Load:	40
Approval Date:	06/16/2026
Manufacturer:	Timber Creek Housing

On-frame floor joist

Home Properties:

Unit Width: 180 in
 Overhang: 12 in
 Roof Live Load: 20 psf
 Roof Dead Load: 25 psf
 Wall Dead Load: 5 psf
 Wall height: 9 ft
 Floor Live Load: 40 psf
 Floor Dead Load: 10 psf

Joist Properties:

Size: 2x8
 Species/Gr SYP #1
 Fb: 1250 psi
 Cr: 1.15
 Cf: 1
 Fb': 1437.5 psi
 Cd: 1.25
 E: 1600000 psi
 Fv: 175 psi
 Spacing: 16 in
 Area: 10.875 in^2
 I: 47.63 in^4
 S: 13.14 in^3

76208000
 33280000

Chassis Properties:

I-beam spacing: 99.5 in
 I-beam height: 10 in
 Outrigger thick: 13 ga
 Outrigger thick: 0.0897 in
 Outrigger height: 9.5 in
 Outrigger width: 1.5 in
 Outrigger Str: 21780 psi
 Outrigger Fy: 33,000 psi
 Outrigger Fv: 13200 psi
 Outrigger Spacing: 96 in
 Outrigger setback: 0 in
 X-member thick: 13 ga
 X-member thick: 0.0897 in
 X-member width: 1.5 in
 X-member shape: C
 X-member depth: 2 "

PV= 570.0 lb

Cantilever Moment:

Ext wall thickness: 3.5
 B': 38.5 in
 Floor Loads: 5.56 lb/in
 M floor: 343.11 lb-ft
 M Joist: 1967.67 lb-ft
 M residual: 1624.56 lb-ft
 PV1: 506.4 lb
 Mid span moment:
 M: -1394.7 lb-ft
 M allowable: 1967.7 lb-ft
M: 0.71

OK

Determine Max PVL due to deflection:

PVL: 227 lb
 WL: 4.4 lb/in
 L/120: 0.21 in
 Max PVL @ L/180: 170.27 lb
 Defl @ mid span: 0.13
 L\360: 0.28
 Live Load to frame: 56.39 lb

OK

PV2 due to moment: 63.6 lb
 PV2 due to deflection: 56.39 lb
 # joists: 6
 MO: 14702 lb-in
 V: 382 lb
 Actual PV1: 506 lb

crossmember properties

A1: 0.135 in^2
 A2: 0.135 in^2
 A3: 0.163 in^2
 C1: 0.75 in
 C2: 0.75 in
 C3C: 1.455 in
 AC1: 0.101 in^3
 AC2: 0.101 in^3
 AC3: 0.238 in^3
 Sum A: 0.432 in^2
 Sum AC: 0.439 in^3
 Cprime: 1.016 in
 I1: 0.0252 in^4
 I2: 0.0252 in^4
 I3: 0.0001 in^4
 y'1: 0.416 in
 y'2: 0.416 in
 y'3: 0.439 in
 Ay21: 0.023 in^4
 Ay22: 0.023 in^4
 Ay23: 0.031 in^4
 Sum I: 0.0506 in^4
 Sum Ay2: 0.078 in^4
 Iy-y: 0.129 in^4
 r: 0.55 in

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Allowable No. of Floors:	1
Wind Velocity:	160 MPH Valt
Fire Rating of Ext. Walls:	0
Plan No.:	MFT13339-CSM-3268
Allow. Floor Load:	40
Approval Date:	06/16/2026
Manufacturer:	Timber Creek Housing

On-frame floor joist

Outrigger design:

I: 12.48 in⁴
 S_y: 2.63
 M allow: 57226 lb-in
 M: 14702 lb-in **OK**
 Area: 0.852 in²
 Vallow: 11248.38 lbs
 V: 382 lb **OK**
1/8" weld:
 Applied M: 1548 lb
 Weld Strength: 18 ksi
 Throat thick: 0.125 for 1/8" weld
 Load: 1590.75 lb/in
 L for moment: 0.97 in
 L for shear: 0.24 in
Length needed: 1.00 in

Crossmember design:

k: 0.5 fixed
 kl/r: 91.2
 F_a: 15.3 ksi
 Allowable Comp: 6616 lbs
 PH= 1548 lbs
 Weld, L: 0.97 in

Lateral design:

of Lags: 6
 Lag strength: 310 lb (9mmx76mm Fastec or equal)
 LDF: 1.25
 Lag strength: 387.5 lb
 Total: 2325 lb
 mu: 0.2
 Friction: 199.3 lb/joist
 Friction total: 1196 lb
 Total lateral: 3521 lb
 Lateral force: 1547.6 lb **OK**

Short outrigger increased moment:

Moment:
 Short out M: 0.00 in-lb
 M: 23612.06 in-lb
 Total M: 23612.06 in-lb
 M Allowable: 23612.06 in-lb
 M/Mallow: **1.00 ok**

Note: all exterior doors must have piers under each side.

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Wind Velocity:	160 MPH Valt
Fire Rating of Ext. Walls:	0
Plan No.:	MET13339-CSM-3268
Allow. Floor Load:	40
Approval Date:	06/16/2026
Manufacturer:	Timber Creek Housing

Sidewall
Porch Headers

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Allowable No. of Floors: 1
Wind Velocity: 160 MPH Vdir
Fire Rating of Ext. Walls: 0
Plan No.: MFT15339-CSM-3268
Allow. Floor Load: 40
Approval Date: 06/16/2026
Manufacturer: Timber Creek Housing

Location: Sidewall
Supporting: Roof

Vertical Load

Dead Load: 218 plf
Live Load: 248 plf
Total Load: 604 plf
Uplift Load: -604 plf

Cr: 1.15 LL defl L/ 240
Cd: 1.25 TL defl L/ 180

Wall height: 102 in
Min sill height: 18 in
LVL: Microllam
LVL MOE (E): 2000000 psi
E min: 1016411 psi
Fb: 2750 psi
Fv: 285 psi
Fcperp: 750 psi
Volume effect exp (e): 0.136
Cr (LVL): 1.04

Vertical

	Qty.	B	D	Species	Grade	Direction	Cfu	Cfb	Fb	Fv	Fcperp	E	Emin	Fb'	Fv'	A	S	I
1	2	1.5	7.25	SYP	#3	Edge	1	1.0	525	175	565	1300000	470000	656	219	21.8	26.3	95.3
2	2	1.5	7.25	SYP	#2	Edge	1	1.0	925	175	565	1400000	510000	1156	219	21.8	26.3	95.3
3	2	1.5	7.25	LVL		Edge	1	1.1	2750	285	750	2000000	1016411	3681	285	21.8	26.3	95.3
4	3	1.5	7.25	SYP	#3	Edge	1	1.0	525	175	565	1300000	470000	755	219	32.6	39.4	142.9
5	3	1.5	7.25	SYP	#2	Edge	1	1.0	925	175	565	1400000	510000	1330	219	32.6	39.4	142.9
6	3	1.5	7.25	LVL		Edge	1	1.1	2750	285	750	2000000	1016411	3829	285	32.6	39.4	142.9
7	3	1.5	9.25	LVL		Edge	1	1.0	2750	285	750	2000000	1016411	3704	285	41.6	64.2	296.8
8																		
9																		
10																		

	Shear	Moment	LL def	TL def
1	141	52	124	121
2	141	70	127	124
3	179	124	143	140
4	204	69	142	139
5	204	91	146	142
6	261	155	164	160
7	333	194	209	204
8				
9				
10				

Connections:

Connect truss to header with MTS18 strap: capacity 850lbs.
Max Truss reaction for header @16" is 803lbs==> OK

Header to Sidewall at Recess Entry:

(3) LSTA18 Strap: 3345lbs
Max reaction for header @ 8ft: -2416lb OK

Sidewall Studs to Floor:

(3) LSTA18 Strap: 3345lbs
Max reaction for header @ 8ft: -2416lb OK

Member	Max Span	Reactions (lbs)		Bearing (in)
		Gravity	Uplift	
1 (2) 2x 8 SYP #3	52 in	1400	-1310	0.9
2 (2) 2x 8 SYP #2	69 in	1800	-1740	0.9
3 (2) 2x 7.25 LVL	124 in	3200	-3120	0.7
4 (3) 2x 8 SYP #3	68 in	1800	-1720	0.6
5 (3) 2x 8 SYP #2	91 in	2300	-2290	0.6
6 (3) 2x 7.25 LVL	154 in	3900	-3880	0.5
7 (3) 2x 9.25 LVL	194 in	4900	-4890	0.5
8				
9				
10				

Sidewall Porch Studs										Location: Sidewall Supporting: Roof									
<u>Vertical Load</u>					<u>Lateral Load</u>					<u>Combined Vert and Lat (max Lat)</u>					Wall height: 102 in				
NDS Load:	604	plf			D+Lr	Lateral only				Vertical:	218	plf			0	Top/Btm Plate (tp):	0	in	
Total Load:	604	plf			D+Lr	Stud area:	24.1	ft^2		Lateral:	24	psf	W			LVL: Microllam			
Uplift Load:	-604	plf			.6D+Wn	Lateral:	41	psf	W	<u>Combined Vert and Lat (max Vert)</u>					LVL MOE (E): 2000000 psi				
										Vertical:	402	plf	0			E min:	1016411	psi	
										Lateral:	18.2	psf	.75W			Fb:	2750	psi	
										<u>Combined Uplift and Lat</u>					Fv:				
										Vertical:	-604	plf	.6D+Wn			Fcperp:	750	psi	
										Lateral:	18.2	psf	W			Vol eff (e):	0.136		
																Cr (LVL):	1.04		
Cr:	1																		
Cd:	1.6																		
Cd grav:	1.25																		
Vertical																			
Spacing	B	D	Species	Grade	c	le/D	Cfb	CfC	Fb	Fc (grav)	Fc (comb)	Fcperp	E	Emin	FcE	Ft			
1	16	1.5	5.5	SYP	#3	0.8	18.5	1.0	1.00	575	800	800	565	1300000	470000	1123	350		
									Cp	0.73	0.64								
									Allowable:	920	730	825	565	1300000	470000		560		
Bearing length:	3																		

# of Studs	1	2
<u>Properties</u>		
Area in^2	8.3	16.5
Sx in^3	7.6	15.1
Ix in^4	20.8	41.6
<u>Axial Loading</u>		
Fc compression	120	239
Fc Perp compression	51	101
Tension	92	184
<u>Combined Loading</u>		
Uplift/Lateral	92	184
Vert/Lateral max Lat	113	523
Vert/Lateral Max Vert	113	308
<u>Deflection Check</u>	L/	429 859
	OK	OK
	51	101

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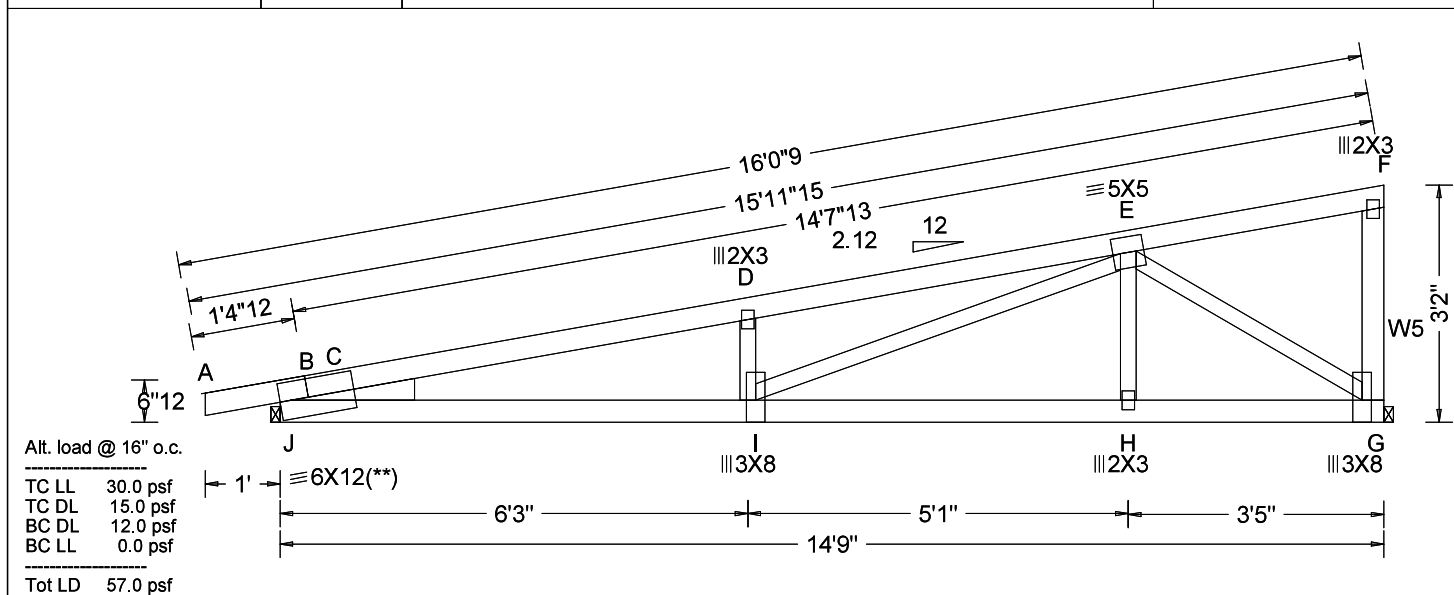


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Plan No.:	MFT15339-CSM-3268
Allow. Floor Load:	40
Approval Date:	06/16/2026
Manufacturer:	Timber Creek Housing

<u>Max Span</u>	Max Trib	Max Side Opening					Max Center opening (total distance of both spans)				
1	51 in	83 in	=	6	ft -	11 in	19 in	=	1	ft -	7 in
2	101 in	183 in	=	15	ft -	3 in	145 in	=	12	ft -	1 in

Notes: Center column is total span on both sides of column. Side column is total clear span.
Center column must be in center 1/3 of span.
Studs must be as wide as header.

SEQN: 1598 FROM:	MONO Ply: 1 Qty: 1	Job Number: 115327 Timber Creek Housing Truss Label: M1261202 Ref. # 10021908	Cust: R 9130 JRef: 1XVZ91300002 T88 DrwNo: 361.23.1449.38977 DLD / PPH 12/27/2023
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 8.00 Des Ld: 38.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 155 mph@24"/168@16" Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 30.00 ft TCDL: 5.0 psf@24"/7.5@16" BCDL: 4.0 psf@24"/6.0@16" MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:0(0)/0(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): -0.114 D 999 240 VERT(CL): 0.171 D 999 240 HORZ(LL): 0.018 F - - HORZ(TL): 0.029 F - - Creep Factor: 2.0 Max TC CSI: 0.630 Max BC CSI: 0.497 Max Web CSI: 0.973 VIEW Ver: 23.02.01.1109.17	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J 590 -/- /- /326 /720 /259 G 559 -/- /- /280 /476 -/ Wind reactions based on MWFRS J Brg Wid = 1.5 Min Req = - G Brg Wid = 1.5 Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 1541 -1781 D - E 1843 -1512 B - D 1791 -1541

Lumber

Value Set: NDS 2015

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x3 SPF Stud; W5 2x4 SP #2;
Lt Wedge: 2x4 SP #2;

Plating Notes

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:	Const. Type: VB Occupancy: Single Family Dwelling Allowable No. of Floors: 1 Wind Velocity: 160 MPH Vel Fire Rating of Ext. Walls: 0 Plan No.: MET15339-CSM-3268 Allow. Floor Load: 40 Approval Date: 06/16/2026 Manufacturer: Timber Creek Housing
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12/27/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbccomponents.com; ICC: iccsafe.org; AWC: awc.org

Fabrication by: UFP
Haleyville LLC, #317
AL

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

Job 120311	Truss M1261204	Truss Type MONO TRUSS	Qty 1	Ply 1	Timber Creek Housing 317
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UFP Industries Inc., Grand Rapids, MI 49525, Mike Patten

8,830 e Jan 17 2025 MiTek Industries, Inc. Wed May 14 13:48:46 2025

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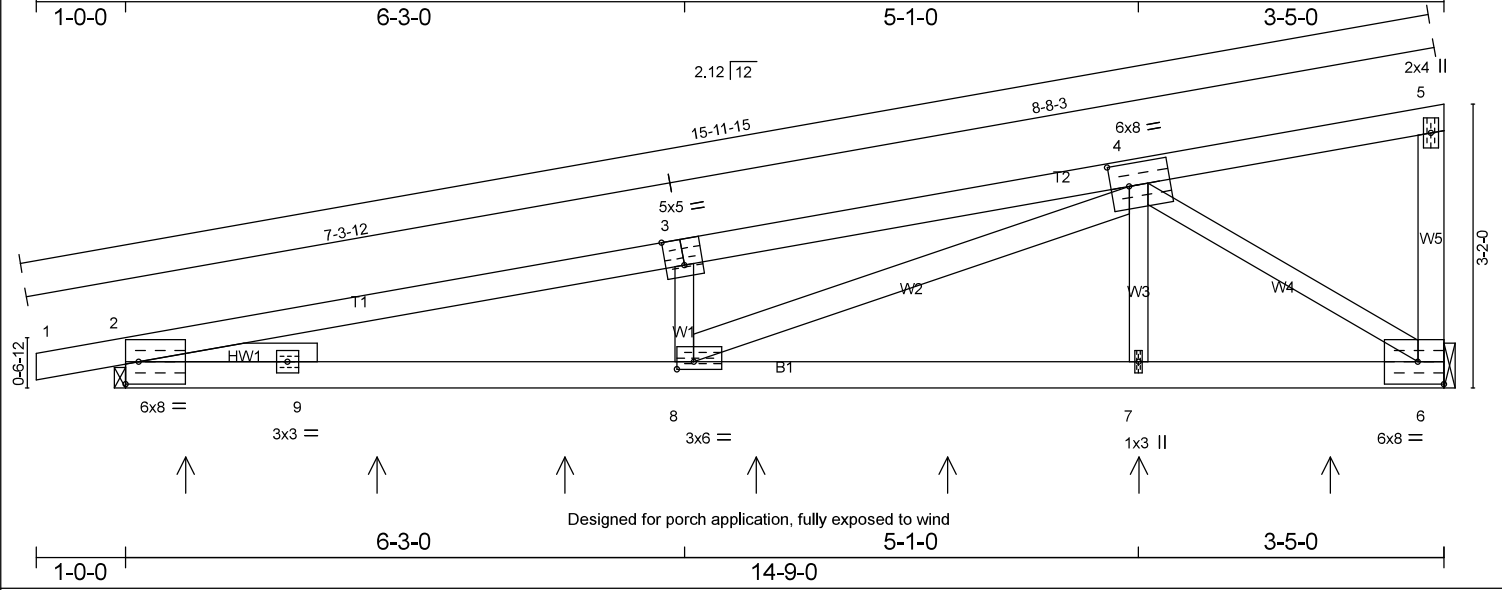


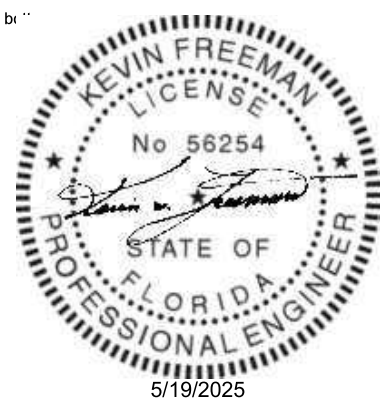
Plate Offsets (X,Y)=[3:0-2-8,Edge], [4:0-2-8,0-3-0], [8:0-2-4,0-1-0]					
SPACING--: 2-0-0 LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 8.0	SPACING--: 1-4-0 LOADING (psf) TCLL 30.0 TCDL 15.0 BCLL 0.0 * BCDL 12.0	Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr YES Code FBC2023/TPI2014	CSI. TC 0.94 BC 0.37 WB 0.95 Matrix-MR	DEFL. in (loc) l/def L/d Vert(LL) 0.23 7-8 >760 240 Vert(CT) 0.20 7-8 >856 180 Horz(CT) -0.04 6 n/a n/a	PLATES GRIP MT20 197/144 Weight: 65 lb FT = 0%

LUMBER- TOP CHORD 2x4 SP No.2 *Except* T2: 2x4 SP No.1 BOT CHORD 2x4 SP No.2 WEBS 2x3 SPF Stud *Except* W5: 2x4 SP No.2, W2: 2x4 SP No.1 SLIDER Left 2x3 SPF Stud 2-0-0	BRACING- TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.[P] BOT CHORD Rigid ceiling directly applied or 3-0-2 oc bracing.	[MCT]
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REACTIONS. (lb/size) 2=619/Mechanical, 6=550/Mechanical Max Horz 2=217(LC 6) Max Uplift 2=803(LC 6), 6=738(LC 6)	These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:	Const. Type: VB Occupancy: Single Family Dwelling Allowable No. of Floors: 1 Wind Velocity: 160 MPH Vult Fire Rating of Ext. Walls: 0 Plan No.: MFT15139-CSM-3268 Allow. Floor Load: 40 Approval Date: 06/16/2026 Manufacturer: Timber Creek Housing
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FORCES. (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/11, 2-3=-1528/3342, 3-4=-1524/3455, 4-5=-38/10, 5-6=-74/166 BOT CHORD 2-9=-2341/944, 8-9=-3553/1481, 7-8=-1615/682, 6-7=-1620/684 WEBS 4-7=-220/168, 4-6=-808/1913, 3-8=-301/680, 4-8=-2111/869	APPROVED BY NIA INC.
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- NOTES-**
- This truss has been checked for uniform roof live load only, except as noted.
 - Wind: ASCE 7-22; Vult=155mph (3-second gust) Vasd=120mph @24in o.c.; TCDL=4.0psf; BCDL=3.2psf; (Alt. 180mph @ 16in o.c.; TCDL=6.0psf; BCDL=4.8psf); h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone; porch left and right exposed;C/C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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 br chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 803 lb uplift at joint 2 and 738 lb uplift at joint 6.
 - This design has been checked for Alpine Wave 20 gauge plates.
 - Based on M1261202 - porch wind exposure



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 TP11. 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

2801 EAST BELTLINE RD, NE
GRAND RAPIDS, MI 49525

Job 124026	Truss M1374403	Truss Type MONO TRUSS	Qty 1	Ply 1	Timber Creek Housing 317
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UFP Industries Inc., Grand Rapids, MI 49525, Mike Patten 25.4.0 e Jan 22 2026 MiTek Industries, Inc. Wed May 27 08:21:37 2026

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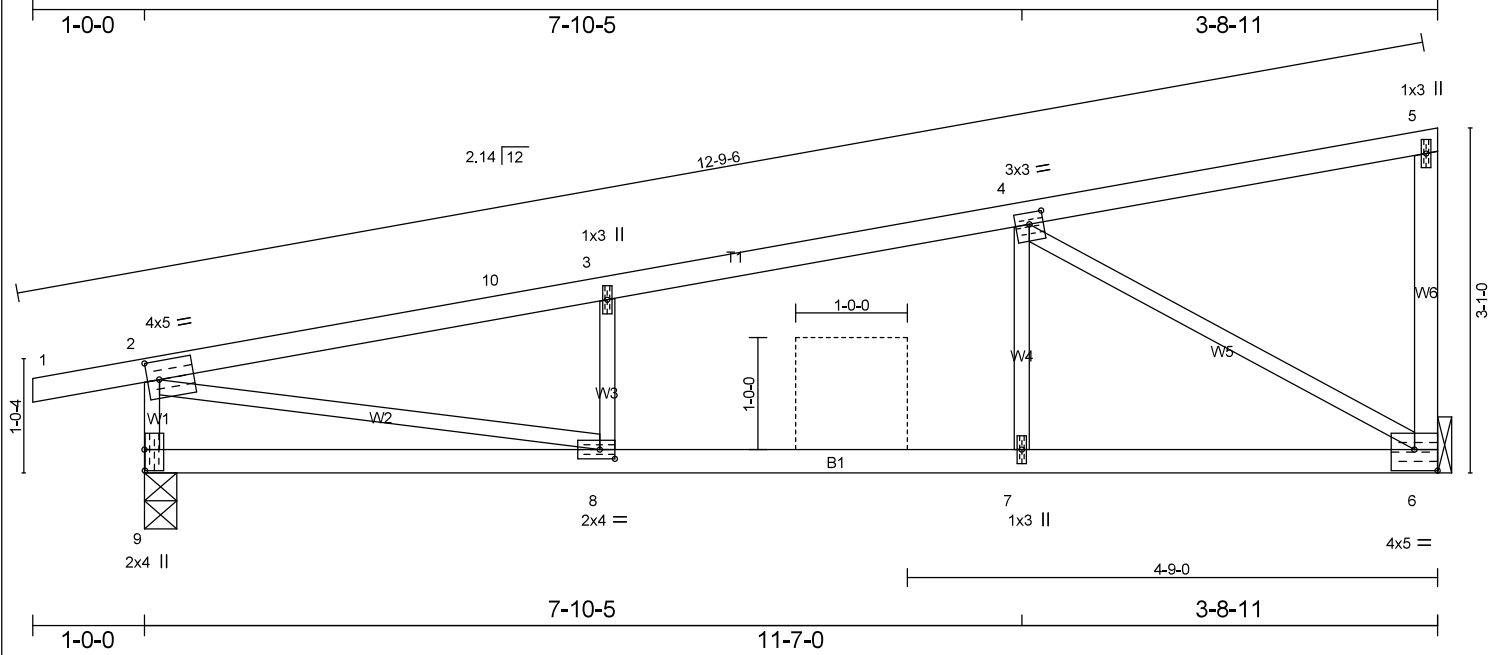


Plate Offsets (X,Y)-- [2:0-1-5,0-2-0], [4:0-1-8,0-1-4], [6:Edge,0-2-4], [8:0-1-10,0-1-0], [9:0-2-4,0-0-1]

SPACING-- 2-0-0 LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 8.0	SPACING-- 1-4-0 LOADING (psf) TCLL 30.0 TCDL 15.0 BCLL 0.0 * BCDL 12.0	CSL TC 0.87 BC 0.69 WB 0.49 Matrix-RH	DEFL in (loc) l/defl L/d Vert(LL) 0.39 8-9 >348 240 Vert(CT) -0.35 8-9 >392 180 Horz(CT) -0.01 6 n/a n/a	PLATES GRIP MT20 197/144 Weight: 30 lb FT = 0%
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LUMBER--
TOP CHORD 2x3 SPF No.2
BOT CHORD 2x3 SPF No.2
WEBS 1-1/2x1-5/8 SP No.2 *Except*
W6: 2x3 SPF Stud

BRACING--
TOP CHORD Structural wood sheathing directly applied or 4-6-12 oc purlins, except end vertical (4-6-12)
BOT CHORD Rigid ceiling directly applied or 3-11-8 oc bracing.

REACTIONS. (lb/size) 9=501/0-3-8 (min. 0-1-8), 6=431/Mechanical
Max Horz 9=130(LC 6)
Max Uplift 9=367(LC 6), 6=318(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/11, 2-10=653/673, 3-10=619/675, 3-4=633/732, 4-5=30/7, 5-6=58/108, 2-9=441/647
BOT CHORD 8-9=236/89, 7-8=840/618, 6-7=840/618
WEBS 4-7=112/212, 3-8=152/293, 2-8=616/631, 4-6=724/984

- NOTES--**
- This truss has been checked for uniform roof live load only, except as noted.
 - Wind: ASCE 7-22; Vult=155mph (3-second gust) Vasd=120mph @24in o.c.; TCDL=4.0psf; BCDL=3.2psf; (Alt. 180mph @16in o.c.; TCDL=6.0psf; BCDL=4.8psf); h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-0-0 to 3-2-15, Zone2 3-2-15 to 11-5-12 zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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 br chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 367 lb uplift at joint 9 and 318 lb uplift at joint 6.
 - The ripped lumber specified above shall be re-graded by a certified lumber grader to the nearest smaller nominal sized lumber grading rules.
 - Based on M1374402 - 10 psf TCDL, 8 psf BCDL, 155 mph Vult

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY

Const. Type: VB
Occupancy: Single Family Dwelling
Allowable No. of Floors: 1
Wind Velocity: 160 MPH Vult
Fire Rating of Ext. Walls: 0
Plan No.: MFT1339-CSM-3268
Allow. Floor Load: 40
Approval Date: 06/16/2026
Manufacturer: Timber Creek Housing

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 TP11. 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

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