

APPROVED: 08-11-2021
 REVISED ON: 12-08-21

NOTE:
 CONTINUOUS RIDGE VENTS
 ALL ROOF RIDGES




NOTICE TO CONTRACTOR
 All construction must comply with current NC Building Codes and is subject to field inspection and verification.
 APPROVED
 Limited building only review
 Permit holder responsible for full compliance with the code
 12/30/2021

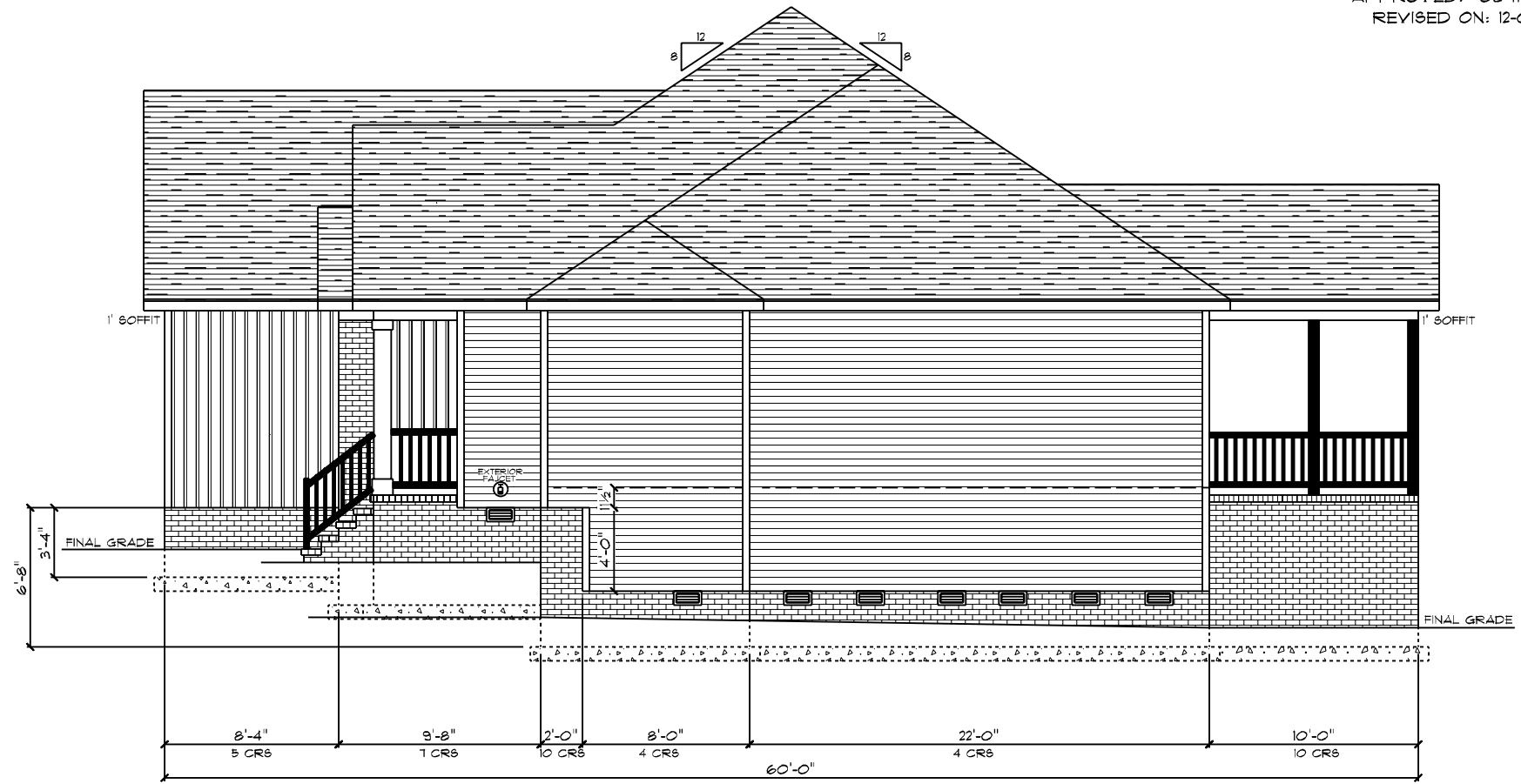


DATE: 12/8/2021
 DRAIN BY: SG
 SCALE: 1/8" = 1'-0"
 SQUARE FOOTAGES (4490)
 CRAWL SPACE: 2151
 1ST FL: 2215
 BONUS ROOM: 265
 GARAGE: 492
 PORCHES: 286

CUSTOM BUILT FOR:
 JAMES JR. & ATYONNA BARNES
 JOB #: DUTCOO 021 0840 CN #: 32391
 LOCATION: 1092 OLD STAGE RD.
 ERWIN, NC 28333
 COUNTY: HARNETT

Raleigh/Durham, NC
 182 West Hamlin Road
 Benson, NC 27504
 (811) 261-3482
 www.schumacherhomes.com


 SCHUMACHER HOMES



BEVERLY AMERICAN TRADITION / CUSTOM
 RIGHT ELEVATION
 9' CEILING HEIGHT



BEVERLY AMERICAN TRADITION / CUSTOM
 LEFT ELEVATION
 9' CEILING HEIGHT

NOTE:
 CONTINUOUS RIDGE VENTS
 ALL ROOF RIDGES

DATE: 12/8/2021
 SCALE: 1/8" = 1'-0"
 DRAWN BY: SG
 DESIG: 2

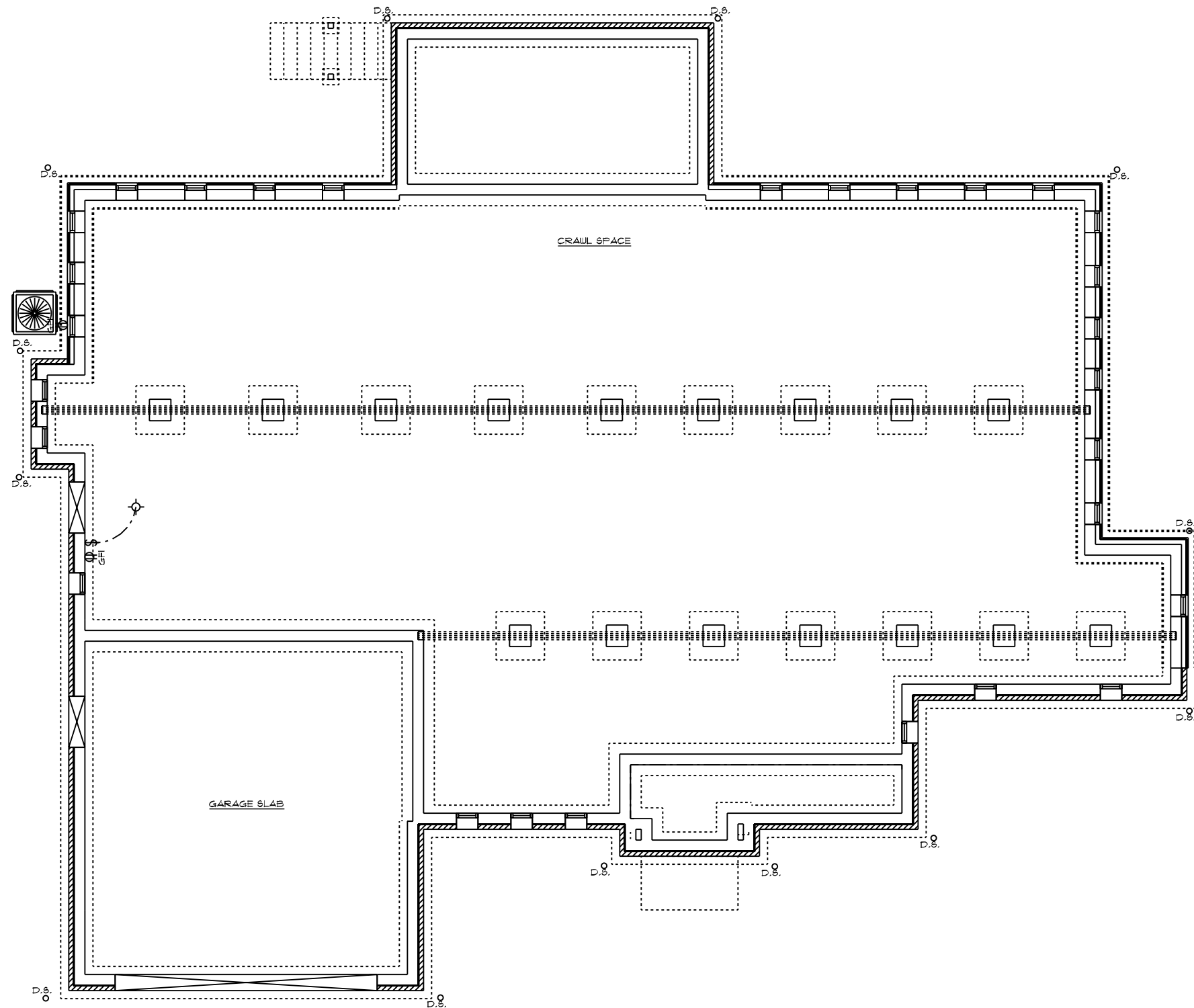
SQUARE FOOTAGES (2480)
 CRAWL SPACE: 2151
 9' FL: 2215
 BONUS ROOM: 265
 GARAGE: 432
 PORCHES: 286

CUSTOM BUILT FOR:
 JAMES JR. & ATONNA BARNES
 JOB #: DUTCO 021 0840 CN #: 32391
 LOCATION: 1092 OLD STAGE RD.
 ERWIN, NC 28333
 COUNTY: HARNETT

Raleigh/Durham, NC
 182 West Hamlin Road
 Benson, NC 27504
 (877) 261-3482
 www.schumacherhomes.com

Paul Schumacher
 SCHUMACHER HOMES

© 1992-2021 SCHUMACHER HOMES OPERATIONS, INC. ALL RIGHTS RESERVED. THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF SCHUMACHER HOMES OPERATIONS, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFIC OPERATIONS AND IS NOT TO BE REPRODUCED, COPIED, OR MODIFIED IN WHOLE OR PART, WITHOUT THE EXPRESS WRITTEN CONSENT OF SCHUMACHER HOMES, AND SUCH UNAUTHORIZED USE OR COPYING IS A VIOLATION OF UNITED STATES COPYRIGHT LAW AND THAT RESULT IN DAMAGES IN EXCESS OF \$50000 PER ACT OF INFRINGEMENT.



GENERAL ELECTRICAL NOTES:

- (1) EXISTING SWITCH UPGRADED TO A 3-WAY SWITCH, (1) ADDITIONAL 3-WAY SWITCH AND (1) COACH LIGHT WIRED TO A STANDARD SWITCH ARE INCLUDED WHEN A GARAGE SERVICE DOOR IS PURCHASED
- (1) COACH LIGHT, (1) SWITCH, AND (1) GFI OUTLET ARE INCLUDED WHEN ANY ADDITIONAL DOOR IS PURCHASED, EXCLUDING THE GARAGE SERVICE DOOR
- ALL SMOKE DETECTORS TO BE INTERCONNECTED WITH BATTERY BACKUP
- E3902.11 ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION ALL BRANCH CIRCUITS THAT SUPPLY 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE OUTLETS INSTALLED IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS AND SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A COMBINATION TYPE ARC-FAULT CIRCUIT INTERRUPTER INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.
- GARAGE DOOR LOW VOLTAGE WIRING BY ELECTRICIAN
- TWO SEPARATE KITCHEN GENERAL ELECTRIC OUTLET CIRCUITS FED BY NUMBER 12 WIRE AND ON 20 AMP BREAKERS REQUIRED IN KITCHEN
- ALL OUTLETS INSTALLED IN BATHROOMS, GARAGES, & UNFINISHED BASEMENTS SHALL HAVE GFCI PROTECTIONS ALONG WITH OUTLETS LOCATED W/IN 6'-0" OF LAUNDRY, UTILITY & WET BAR SINKS & ALL OUTLETS SERVING KITCHEN COUNTERTOP SURFACES
- ALL OUTLETS TO BE PLACED PER CODE
- MOUNTING HEIGHTS
 - VANITY LIGHTS: 80" AFF
 - WALL SCONCES: 66" AFF
 - PENDANT LIGHTS: 66" AFF
 - CHANDELIERS (TO BTM OF FIXTURE)
 - FOYER 9' CEILING: 84"
 - FOYER OVER 9' CLG: 90"
 - DINING ROOM: 60"
- ADDITIONAL ELECTRICAL NOTES:
 - WIRE DEDICATED CIRCUIT FOR SEPTIC

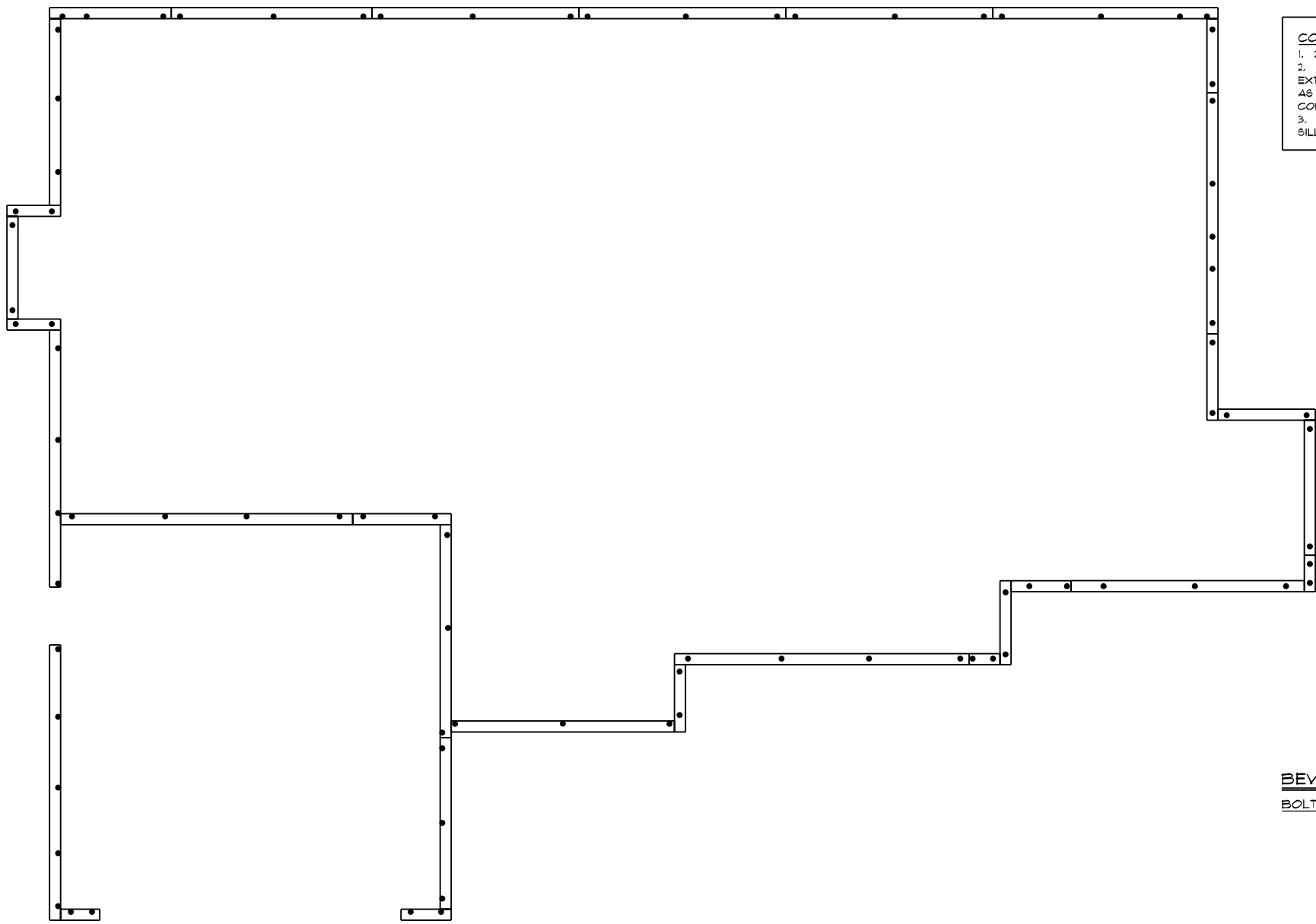
BEVERLY AMERICAN TRADITION / CUSTOM
 FOUNDATION PLAN
 ELECTRICAL PLAN

CUSTOM BUILT FOR: JAMES JR. & ATONNA BARNES JOB #: DUTCO 021 0840 LOCATION: 1092 OLD STAGE RD. ERWIN, NC 28333 COUNTY: HARNETT	SQUARE FOOTAGES (2480) CRAWL SPACE: 2181 1ST FL: 2215 BONUS ROOM: 265 GARAGE: 492 PORCHES: 286	DRAWN BY: SG	DATE: 12/8/2021	SCALE: 1/8" = 1'-0" SHEET NO.: 4
---	---	-----------------	--------------------	--

© 1992-2021 SCHUMACHER HOMES OPERATIONS, INC. ALL RIGHTS RESERVED. THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF SCHUMACHER HOMES OPERATIONS, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND HOME NUMBER IDENTIFIED HEREON. THESE PLANS ARE NOT TO BE USED TO CREATE DERIVATIVE WORKS, TECHNICAL DRAWINGS OR TO BUILD A STRUCTURE, REPRODUCED, COPIED, OR MODIFIED, IN WHOLE OR PART, WITHOUT THE EXPRESS WRITTEN CONSENT OF SCHUMACHER HOMES, AND SUCH UNAUTHORIZED USE OR COPYING IS A VIOLATION OF UNITED STATES COPYRIGHT LAW AND THAT RESULT IN DAMAGES IN EXCESS OF \$50000 PER ACT OF INFRINGEMENT.


Raleigh/Durham, NC
 182 West Hamlin Road
 Benson, NC 27504
 (811) 261-3482
 www.schumacherhomes.com

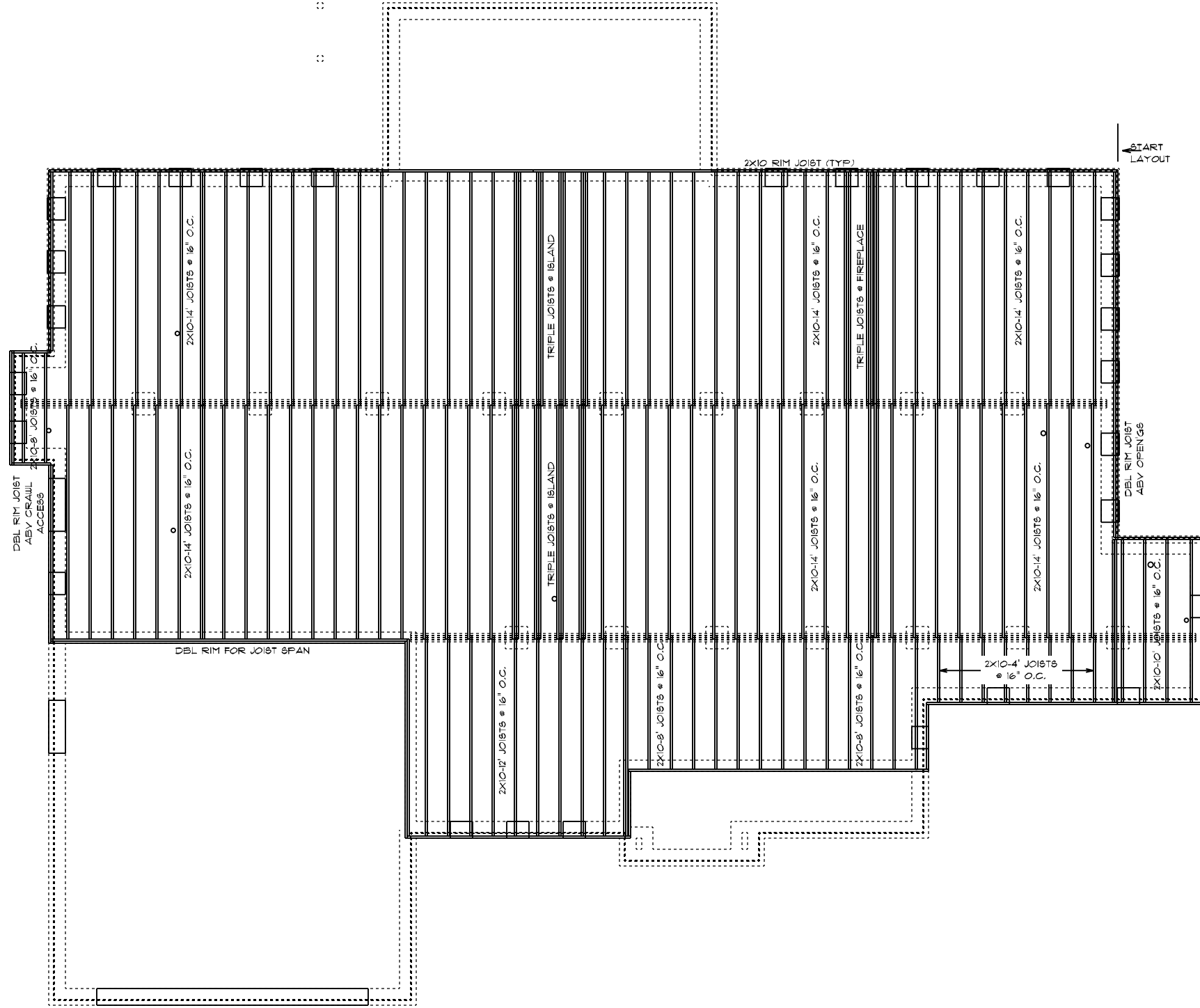
Paul Schumacher
 SCHUMACHER HOMES



CONSTRUCTION NOTES:
 1. 2x8 TREATED SILL PLATE
 2. 1/2" DIAM. X 18" L. ANCHOR BOLTS SHALL EXTEND A MINIMUM OF 7" INTO MASONRY OR CONCRETE AS REQUIRED BY CODE @ 6' O.C. AND 12" FROM ALL CORNERS (2 PER CORNER)
 3. ANCHOR BOLTS TO BE LOCATED IN CENTER 1/3 OF SILL PLATE

BEVERLY AMERICAN TRADITION / CUSTOM
BOLT & PLATE PLAN

 SCHUMACHER HOMES Raleigh/Durham, NC 182 West Hamlin Road Benson, NC 27504 (811) 261-3482 www.schumacherhomes.com	CUSTOM BUILT FOR: JAMES JR. & ATONNA BARNES JOB #: DUTCO 021 0840 LOCATION: 1092 OLD STAGE RD. ERWIN, NC 28333 COUNTY: HARNETT	SQUARE FOOTAGES (4480) CRAWL SPACE: 2151 9' FT. TL: 225 BONUS ROOM: 265 GARAGE: 492 PORCHES: 286	DRAWN BY: SG	DATE: 12/8/2021	SCALE: 1/8" = 1'-0"	DWG: B
	© 1992-2021 SCHUMACHER HOMES OPERATIONS, INC. ALL RIGHTS RESERVED. THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF SCHUMACHER HOMES OPERATIONS, INC. AND IS UNLAWFULLY TO BE REPRODUCED, COPIED, OR MODIFIED IN WHOLE OR PART, WITHOUT THE EXPRESS WRITTEN CONSENT OF SCHUMACHER HOMES, AND SUCH UNAUTHORIZED USE OR COPYING IS A VIOLATION OF UNITED STATES COPYRIGHT LAW AND THAT RESULT IN DAMAGES IN EXCESS OF \$50000 PER ACT OF INFRINGEMENT.					

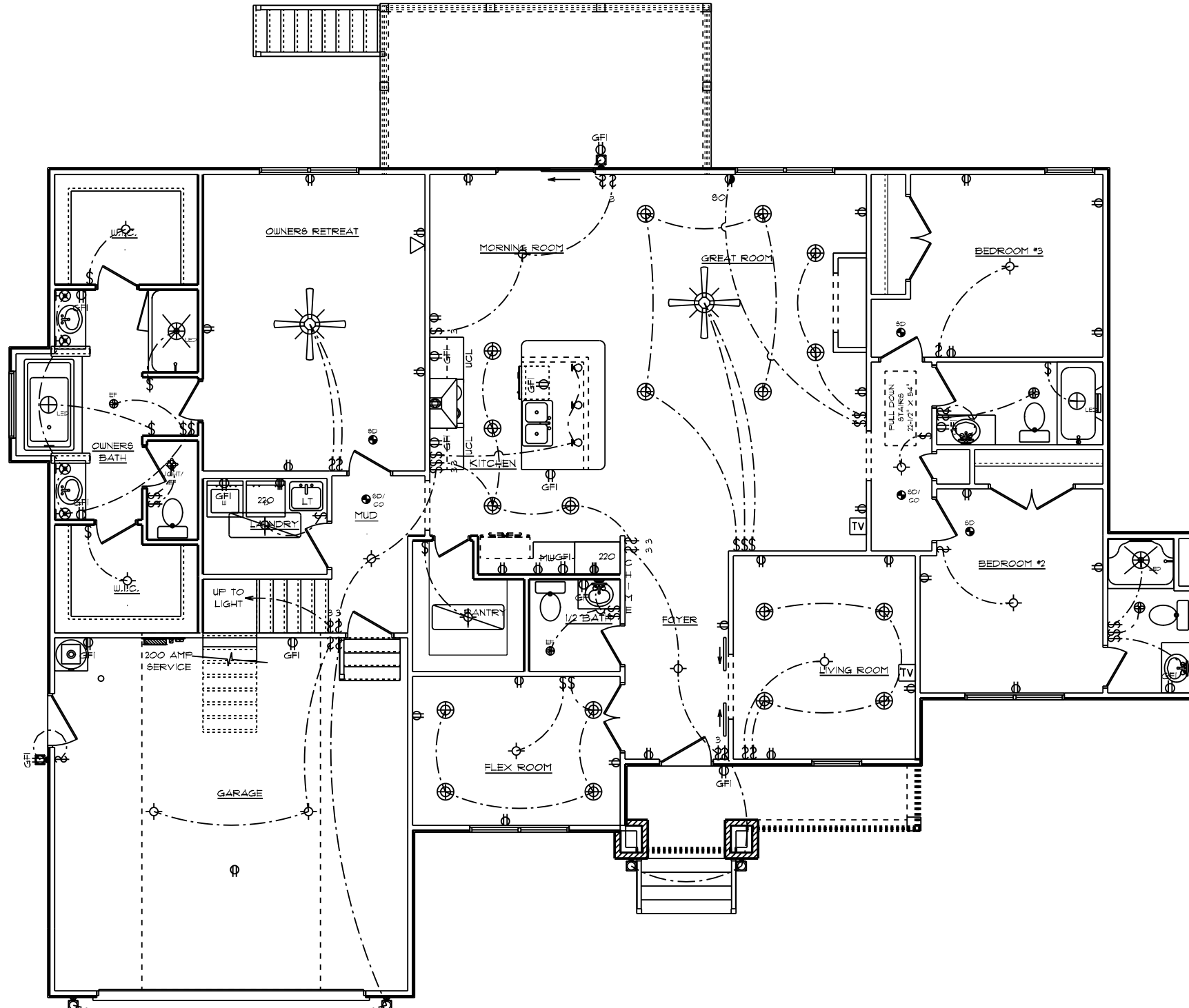


- FRAMING NOTES:
1. LEAVE 14 1/2" BETWEEN EACH END JOIST & RIM JOIST TO ALLOW FOR INSULATION.
 2. INSULATE ALL FRAMED CHANNELS & CORNERS; ALSO, BEHIND EACH TUB AND SHOWER UNIT
 3. INSTALL FIREBLOCK FRAMING IN ALL STAIRWAY CEILING
 4. INSTALL ALL TRUSSES, I-JOISTS, LVL'S AND BEAMS PER MANUFACTURER SPECIFICATIONS AND LAY OUTS. DO NOT CUT, NOTCH OR BORE WITHOUT EXACT SPECIFICATIONS.
 5. ALL FRAMING TO BE SOUTHERN YELLOW PINE NO. 2 OR GREATER UNLESS NOTED OTHERWISE
 6. DOUBLE JOISTS SHOULD BE LOCATED UNDER ALL PARTITIONS WHEN THE LENGTH OF THE PARTITION EXCEEDS 1/2 THE SPAN OF THE JOIST
 7. 3-PLY 2X10 JOISTS BELOW FIREPLACES & SOLID SURFACE ISLANDS
 8. ALL DECK MATERIAL TO BE TREATED
 9. PROVIDE DOUBLE 2X10 RIM JOIST WHEN RIM JOIST RUNS PARALLEL TO JOISTS
 10. PROVIDE 2X8 X PIER WIDTH TREATED BEARING PLATE @ INTERIOR PIERS

BEVERLY AMERICAN TRADITION / CUSTOM
 MAIN FLOOR JOIST PLAN

<p>SCHUMACHER HOMES</p>		CUSTOM BUILT FOR: JAMES JR. & ATONNA BARNES JOB #: DUTCO 021 0840 CN #: 52591 LOCATION: 1092 OLD STAGE RD. ERWIN, NC 28333 COUNTY: HARNETT	SQUARE FOOTAGES (4490) CRAWL SPACE: 2151 1ST FL: 2215 BONUS ROOM: 265 GARAGE: 492 PORCHES: 286	DRAWN BY: SG	DATE: 12/8/2021	SCALE: 1/8" = 1'-0" 6
--------------------------------	--	---	---	-----------------	--------------------	--------------------------

© 1992-2021 SCHUMACHER HOMES OPERATIONS, INC. ALL RIGHTS RESERVED. THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF SCHUMACHER HOMES OPERATIONS, INC. AND IS UNLAWFULLY REPRODUCED, COPIED, OR MODIFIED IN WHOLE OR PART, WITHOUT THE EXPRESS WRITTEN CONSENT OF SCHUMACHER HOMES, INC. SUCH UNAUTHORIZED USE OR COPYING IS A VIOLATION OF UNITED STATES COPYRIGHT LAW AND MAY RESULT IN DAMAGES IN EXCESS OF \$50000 PER ACT OF INFRINGEMENT.



GENERAL ELECTRICAL NOTES:

- (1) EXISTING SWITCH UPGRADED TO A 3-WAY SWITCH, (1) ADDITIONAL 3-WAY SWITCH AND (1) COACH LIGHT WIRED TO A STANDARD SWITCH ARE INCLUDED WHEN A GARAGE SERVICE DOOR IS PURCHASED
- (1) COACH LIGHT, (1) SWITCH, AND (1) GFI OUTLET ARE INCLUDED WHEN ANY ADDITIONAL DOOR IS PURCHASED, EXCLUDING THE GARAGE SERVICE DOOR
- ALL SMOKE DETECTORS TO BE INTERCONNECTED WITH BATTERY BACKUP
- E3902.11 ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION ALL BRANCH CIRCUITS THAT SUPPLY 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE OUTLETS INSTALLED IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DEN, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS AND SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A COMBINATION TYPE ARC-FAULT CIRCUIT INTERRUPTER INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.
- GARAGE DOOR LOW VOLTAGE WIRING BY ELECTRICIAN
- TWO SEPARATE KITCHEN GENERAL ELECTRIC OUTLET CIRCUITS FED BY NUMBER 12 WIRE AND ON 20 AMP BREAKERS REQUIRED IN KITCHEN
- ALL OUTLETS INSTALLED IN BATHROOMS, GARAGES, & UNFINISHED BASEMENTS SHALL HAVE GFCI PROTECTIONS ALONG WITH OUTLETS LOCATED W/IN 6'-0" OF LAUNDRY, UTILITY & WET BAR SINKS & ALL OUTLETS SERVING KITCHEN COUNTERTOP SURFACES
- ALL OUTLETS TO BE PLACED PER CODE
- MOUNTING HEIGHTS
 - VANITY LIGHTS: 80" AFF
 - WALL SCONCES: 66" AFF
 - PENDANT LIGHTS: 66" AFF
 - CHANDELIERS (TO BTM OF FIXTURE)
 - FOYER 9' CEILING: 84"
 - FOYER OVER 9' CLG: 90"
 - DINING ROOM: 60"

- ADDITIONAL ELECTRICAL NOTES:**
- INSTALL ALL BATHROOM LIGHT FIXTURES WITH GLOBES FACING DOWN
 - GARAGE COACH LIGHTS TO BE INSTALLED HIGHER THAN GARAGE DOOR

BEVERLY AMERICAN TRADITION / CUSTOM
 MAIN FLOOR PLAN
 9' CEILING HEIGHT
 ELECTRICAL PLAN

DATE: 12/8/2021
 SCALE: 1/8" = 1'-0"
 DRAWN BY: SG
 DRUG: 8

SQUARE FOOTAGES (2480)
 CRAWL SPACE: 2181
 9' TL: 2215
 BONUS ROOM: 265
 GARAGE: 492
 PORCHES: 286

CUSTOM BUILT FOR:
 JAMES JR. & ATONNA BARNES
 JOB #: DUTCO 021 0840 CN #: 32381 VN #: BA262
 LOCATION: 1092 OLD STAGE RD.
 ERWIN, NC 28339
 COUNTY: HARNETT


Raleigh/Durham, NC
 182 West Hamlin Road
 Benson, NC 27504
 (811) 261-3482
 www.schumacherhomes.com



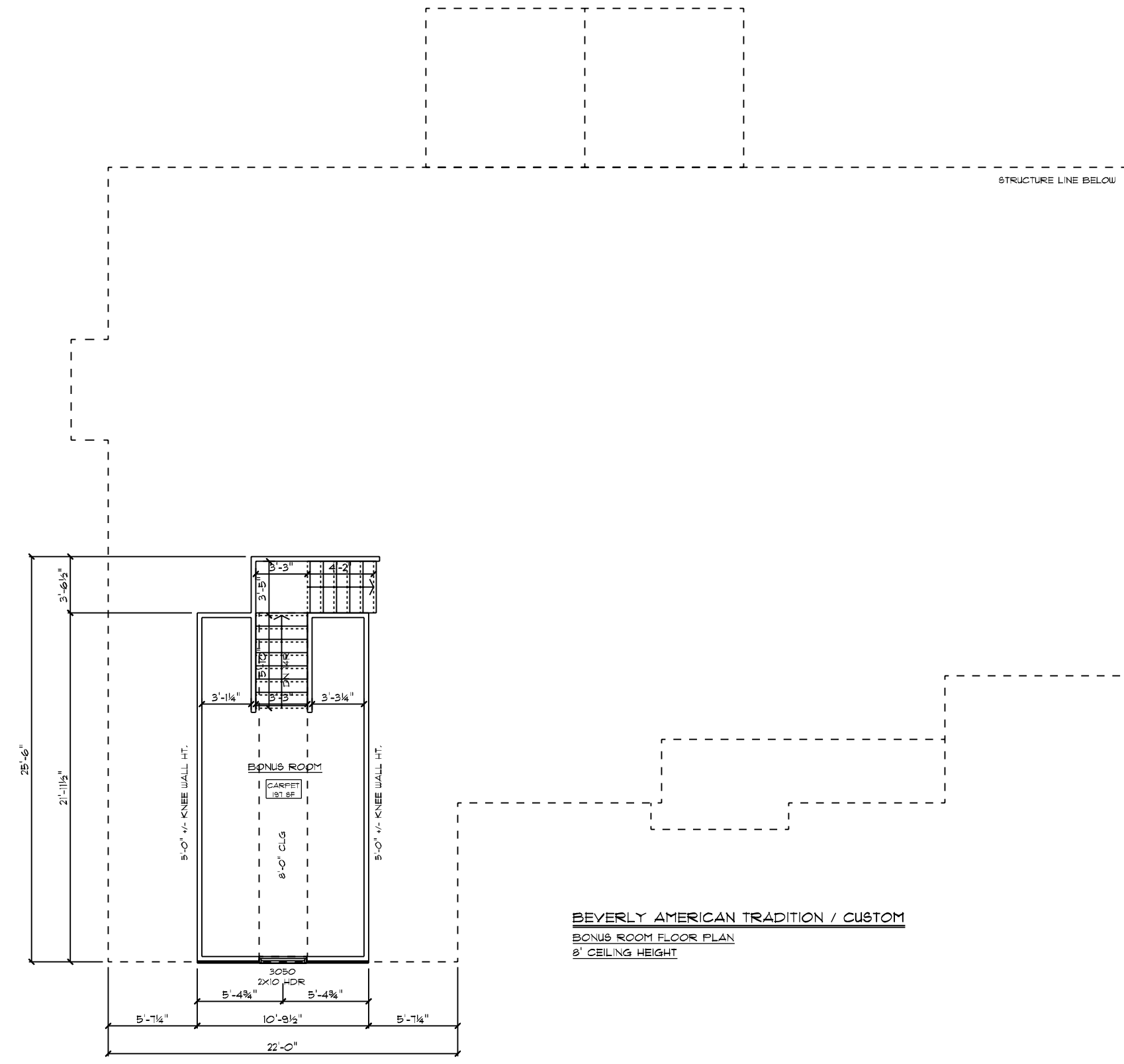
SCHUMACHER HOMES



BEVERLY AMERICAN TRADITION / CUSTOM
 BONUS FLOOR JOIST PLAN

 SCHUMACHER HOMES Raleigh/Durham, NC 182 West Hamlin Road Benson, NC 27504 (877) 261-3482 www.schumacherhomes.com		CUSTOM BUILT FOR: JAMES JR. & ATYONNA BARNES JOB #: DUTCO 021 0840 LOCATION: 1092 OLD STAGE RD. ERWIN, NC 28339 COUNTY: HARNETT	SQUARE FOOTAGES (2480) CRAWL SPACE: 2151 9TH FL: 2215 BONUS ROOM: 265 GARAGE: 492 PORCHES: 286	DRAWN BY: SG	DATE: 12/8/2021	SCALE: 1/8" = 1'-0" 9
--	--	---	---	-----------------	--------------------	--------------------------

© 1992-2021 SCHUMACHER HOMES OPERATIONS, INC. ALL RIGHTS RESERVED. THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF SCHUMACHER HOMES OPERATIONS, INC. AND IS PRELIMINARY ("SCHUMACHER HOMES"). THESE PLANS ARE NOT TO BE USED TO CREATE DERIVATIVE WORKS, TECHNICAL DRAWINGS OR TO BUILD A STRUCTURE, REPRODUCED, COPIED, OR MODIFIED, IN WHOLE OR PART, WITHOUT THE EXPRESS WRITTEN CONSENT OF SCHUMACHER HOMES, AND SUCH UNAUTHORIZED USE OR COPYING IS A VIOLATION OF UNITED STATES COPYRIGHT LAW AND MAY RESULT IN DAMAGES IN EXCESS OF \$50000 PER ACT OF INFRINGEMENT.



BEVERLY AMERICAN TRADITION / CUSTOM
 BONUS ROOM FLOOR PLAN
 8' CEILING HEIGHT

GENERAL FRAMING NOTES:

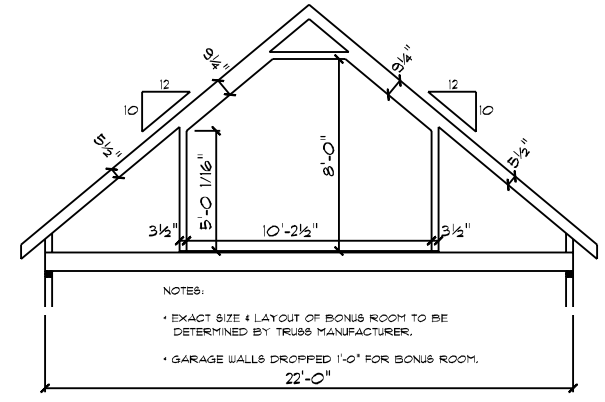
- DRYWALLED OPENINGS TO BE 6'-8" HEIGHT UNLESS OTHERWISE NOTED
- HEADERS TO BE 2-PLY 2X10 W/ (1) KING & (2) JACK STUDS UNLESS OTHERWISE NOTED

PLAN NOTES:

- SMOOTH CEILINGS THROUGHOUT HOME
- PAINTED TRIM
- 5-1/4" BASEBOARDS
- 3-1/4" CASING ON INTERIOR DOORS ON MAIN FLOOR ONLY
- 3-1/4" CASING & JAMBS ON WINDOWS ON MAIN FLOOR ONLY
- 2-PANEL HOLLOW CORE MOLDED INTERIOR DOORS
- SILVERLINE LOW-E VINYL WINDOWS W/ SOLAR GLAZING

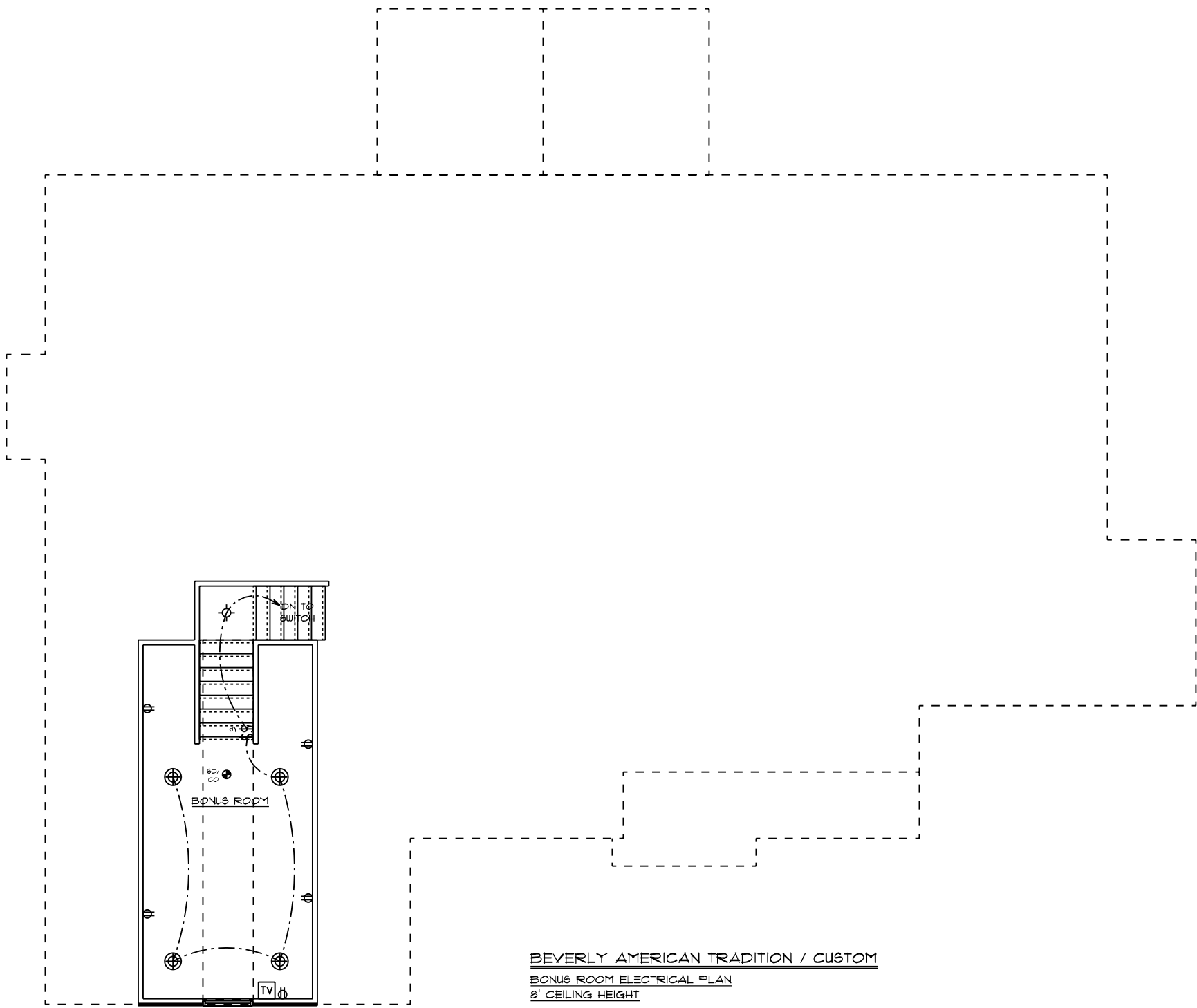
FLOORING NOTES:

- ALL FLOORING BREAKS OCCUR @ CENTER LINE OF DOOR OPENINGS UNLESS OTHERWISE NOTED
- FLOORING SQUARE FOOTAGES INCLUDE CLOSETS RELATIVE TO THE AREA UNLESS OTHERWISE NOTED
- SOME FLOORING SQUARE FOOTAGES MAY INCLUDE HALLS OR AREAS THAT CONNECT WITHOUT WALL SEPARATION IF THE SAME FINISH IS CONTINUED



SCHUMACHER / CUSTOM
 BONUS ROOM DETAILS W/ RAISED HEEL
 SCALE: 1/8" = 1'-0"

<p>SCHUMACHER HOMES</p>	Raleigh/Durham, NC 182 West Hamlin Road Benson, NC 27504 (877) 261-3482 www.schumacherhomes.com
	CUSTOM BUILT FOR: JAMES JR. & ATONNA BARNES JOB #: DUTCO 021 0840 CN #: 32381 V.N. #: BA262
SQUARE FOOTAGES (2480) CRAWL SPACE: 2151 9' F.L. 2215 BONUS ROOM: 265 GARAGE: 492 PORCHES: 286	DRAWN BY: SG
DATE: 12/8/2021	SCALE: 1/8" = 1'-0" 10
© 1992-2021 SCHUMACHER HOMES OPERATIONS, INC. ALL RIGHTS RESERVED. THE DESIGN, CONSTRUCTION AND FINISHES OF THE HOMES OPERATIONS INC. AND THE RELATED "SCHUMACHER HOMES" THESE PLANS ARE NOT TO BE USED TO CREATE DERIVATIVE WORKS, TECHNICAL DRAWINGS OR TO BUILD A STRUCTURE, REPRODUCED, COPIED, OR MODIFIED, IN WHOLE OR PART, WITHOUT THE EXPRESS WRITTEN CONSENT OF SCHUMACHER HOMES, AND SUCH UNAUTHORIZED USE OR COPYING IS A VIOLATION OF UNITED STATES COPYRIGHT LAW AND THAT RESULT IN DAMAGES IN EXCESS OF \$50000 PER ACT OF INFRINGEMENT.	

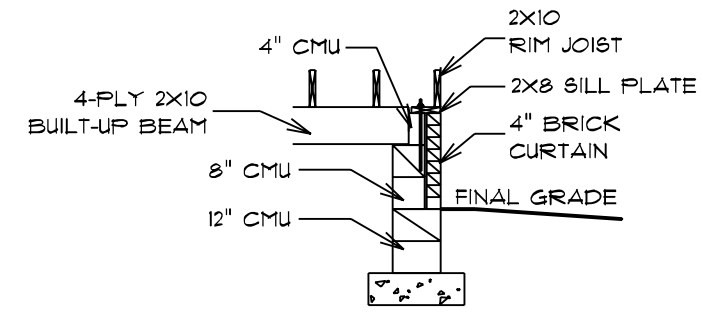


BEVERLY AMERICAN TRADITION / CUSTOM
 BONUS ROOM ELECTRICAL PLAN
 8' CEILING HEIGHT

- GENERAL ELECTRICAL NOTES:**
- (1) EXISTING SWITCH UPGRADED TO A 3-WAY SWITCH, (1) ADDITIONAL 3-WAY SWITCH AND (1) COACH LIGHT WIRED TO A STANDARD SWITCH ARE INCLUDED WHEN A GARAGE SERVICE DOOR IS PURCHASED
 - (1) COACH LIGHT, (1) SWITCH, AND (1) GFI OUTLET ARE INCLUDED WHEN ANY ADDITIONAL DOOR IS PURCHASED, EXCLUDING THE GARAGE SERVICE DOOR
 - ALL SMOKE DETECTORS TO BE INTERCONNECTED WITH BATTERY BACKUP
 - E3902.11 ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION ALL BRANCH CIRCUITS THAT SUPPLY 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE OUTLETS INSTALLED IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DEN, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS AND SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A COMBINATION TYPE ARC-FAULT CIRCUIT INTERRUPTER INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.
 - GARAGE DOOR LOW VOLTAGE WIRING BY ELECTRICIAN
 - TWO SEPARATE KITCHEN GENERAL ELECTRIC OUTLET CIRCUITS FED BY NUMBER 12 WIRE AND ON 20 AMP BREAKERS REQUIRED IN KITCHEN
 - ALL OUTLETS INSTALLED IN BATHROOMS, GARAGES, & UNFINISHED BASEMENTS SHALL HAVE GFCI PROTECTIONS ALONG WITH OUTLETS LOCATED W/IN 6'-0" OF LAUNDRY, UTILITY & WET BAR SINKS & ALL OUTLETS SERVING KITCHEN COUNTERTOP SURFACES
 - ALL OUTLETS TO BE PLACED PER CODE
 - MOUNTING HEIGHTS
 - VANITY LIGHTS: 80" AFF
 - WALL SCONCES: 66" AFF
 - PENDANT LIGHTS: 66" AFF
 - CHANDELIERS (TO BTM OF FIXTURE)
 - FOYER 9' CEILING: 84"
 - FOYER OVER 9' CLG: 80"
 - DINING ROOM: 60"

DRAIN BY: SG		DATE: 12/8/2021		SCALE: 1/8" = 1'-0"		DWG: 11	
© 1992-2021 SCHUMACHER HOMES OPERATIONS, INC. ALL RIGHTS RESERVED. THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF SCHUMACHER HOMES OPERATIONS, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND HOME NUMBER SPECIFICALLY IDENTIFIED HEREIN. THESE PLANS ARE NOT TO BE USED TO CREATE DERIVATIVE WORKS, TECHNICAL DRAWINGS OR TO BUILD A STRUCTURE, REPRODUCED, COPIED, OR MODIFIED, IN WHOLE OR PART, WITHOUT THE EXPRESS WRITTEN CONSENT OF SCHUMACHER HOMES, AND SUCH UNAUTHORIZED USE OR COPYING IS A VIOLATION OF UNITED STATES COPYRIGHT LAW AND THAT RESULT IN DAMAGES IN EXCESS OF \$50000 PER ACT OF INFRINGEMENT.							
CUSTOM BUILT FOR: JAMES JR. & ATONNA BARNES				SQUARE FOOTAGES (2480) CRAWL SPACE: 2151 9' TL: 2215 BONUS ROOM: 265 GARAGE: 492 PORCHES: 286			
JOB #: DUTCO 021 0840		CN #: 32391		VN #: EA262		1092 OLD STAGE RD. ERWIN, NC 28339 COUNTY: HARNETT	
Raleigh/Durham, NC 182 West Hamlin Road Benson, NC 27504 (811) 261-3482 www.schumacherhomes.com							

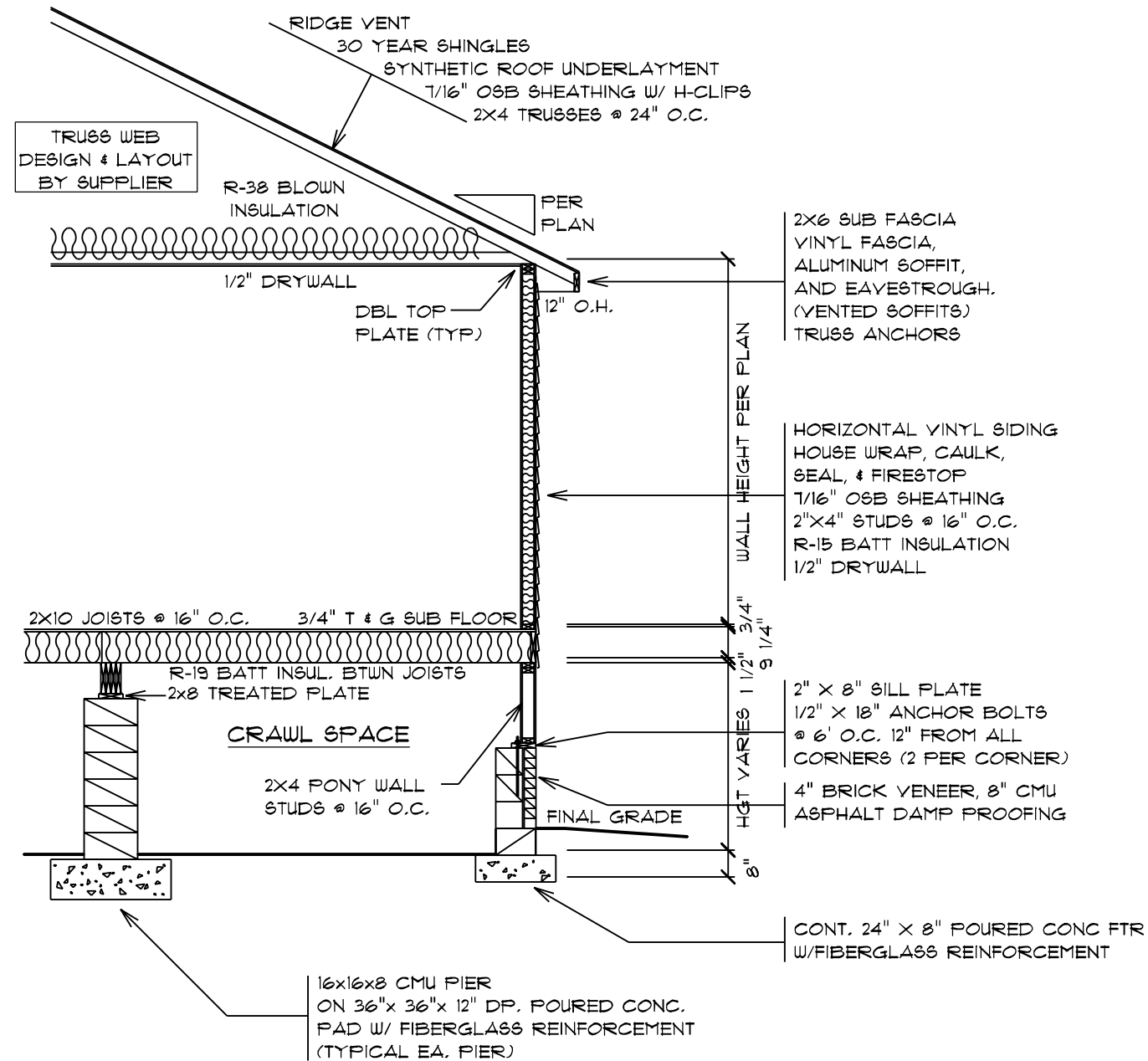




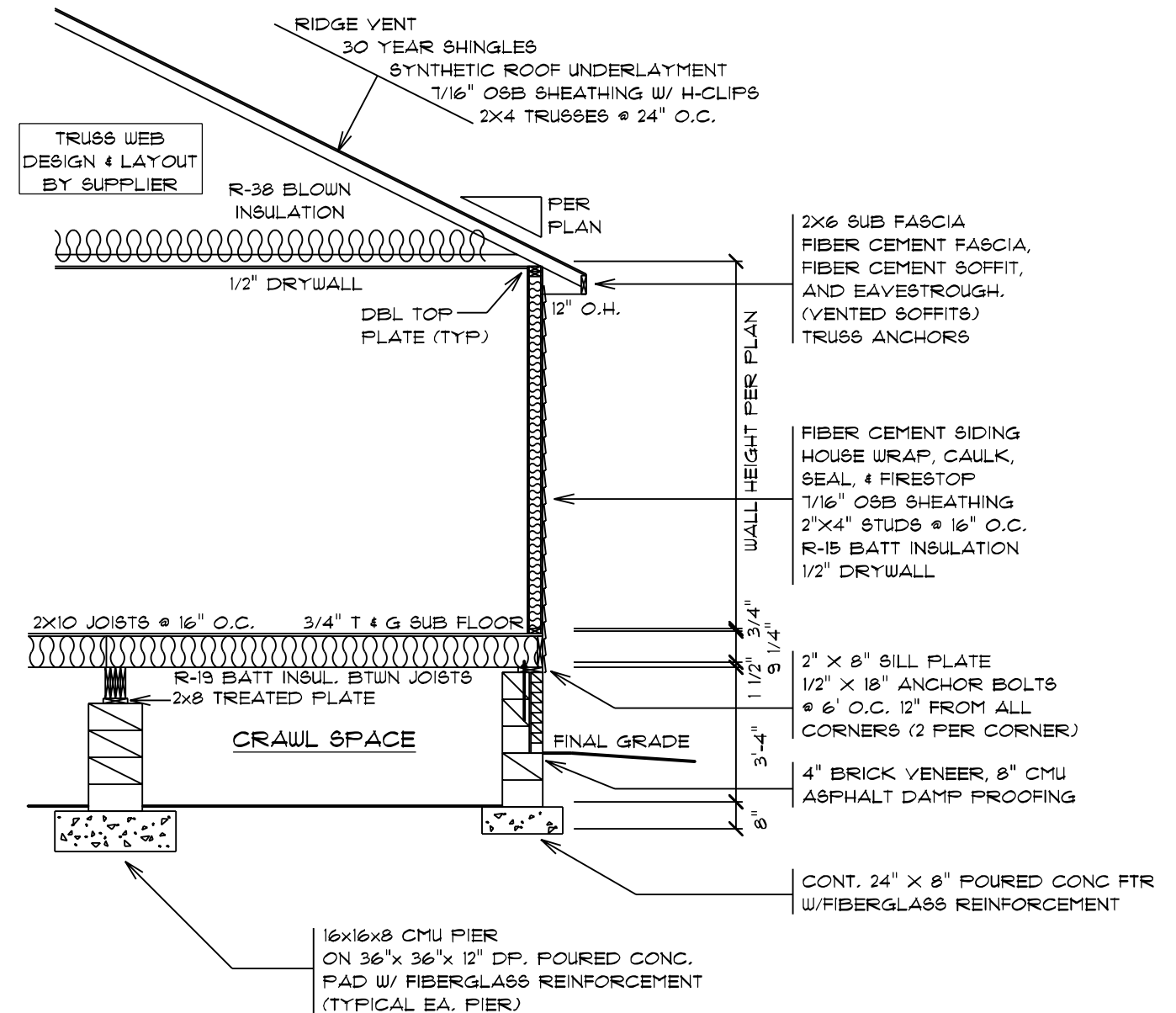
BEAM POCKET DETAIL

NOTE:
 ROOF UNDERLAYMENT TO BE OVERLAPPED
 50% PLUS 1" ON ROOFS LESS THAN 4/12 PITCH

NOTE:
 ROOF UNDERLAYMENT TO BE OVERLAPPED
 50% PLUS 1" ON ROOFS LESS THAN 4/12 PITCH



TYPICAL PONY WALL SECTION



TYPICAL WALL SECTION

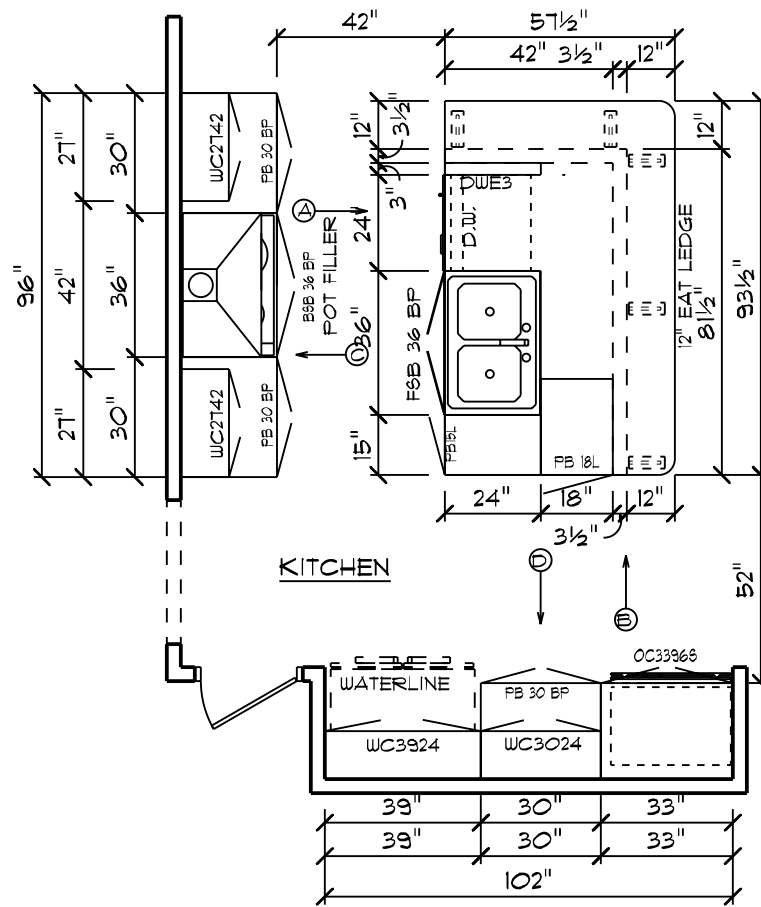
DATE: 12/8/2021
 SCALE: 1/4" = 1'-0"
 DRAWN BY: SG
 12
 © 1997-2021 SCHUMACHER HOMES OPERATIONS, INC. ALL RIGHTS RESERVED. THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF SCHUMACHER HOMES OPERATIONS, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND HOME OPERATIONS IDENTIFIED HEREIN. IT IS NOT TO BE REPRODUCED, COPIED, OR MODIFIED IN WHOLE OR PART, WITHOUT THE EXPRESS WRITTEN CONSENT OF SCHUMACHER HOMES, AND SUCH UNAUTHORIZED USE OR COPYING IS A VIOLATION OF UNITED STATES COPYRIGHT LAW AND MAY RESULT IN DAMAGES IN EXCESS OF \$50000 PER ACT OF INFRINGEMENT.

SQUARE FOOTAGES (4490)
 CRAWL SPACE: 2151
 9' TL: 2215
 BONUS ROOM: 265
 GARAGE: 492
 PORCHES: 286

CUSTOM BUILT FOR:
 JAMES JR. & ATONNA BARNES
 1032 OLD STAGE RD.
 ERWIN, NC 28339
 COUNTY: HARNETT

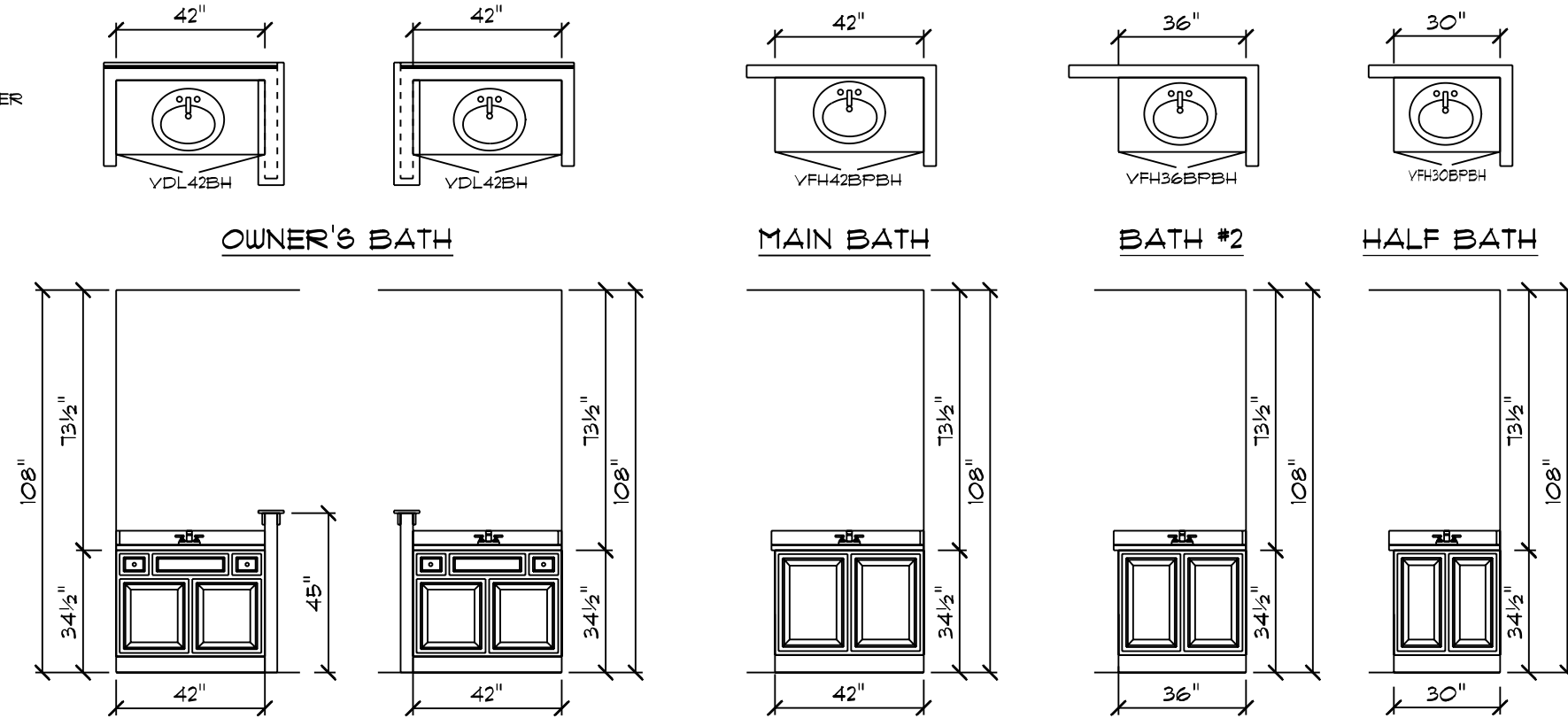
Raleigh/Durham, NC
 182 West Hamlin Road
 Benson, NC 27504
 (811) 261-3482
 www.schumacherhomes.com

Paul Schumacher
 SCHUMACHER HOMES



34-1/2" H. WALL
 W/ DRYWALL UNDER
 COUNTER

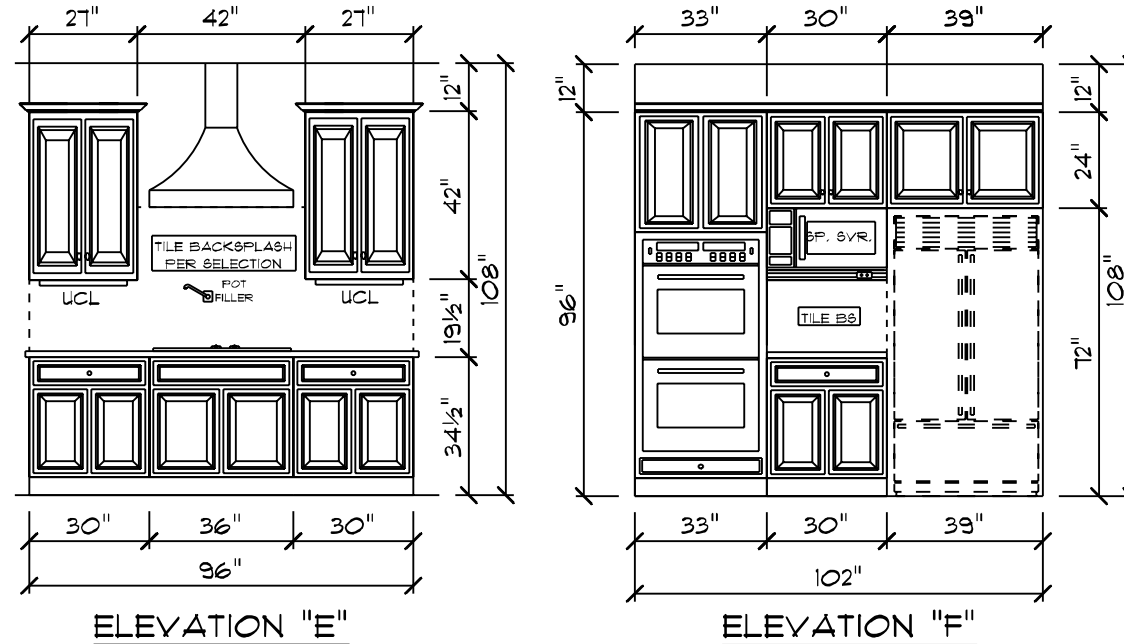
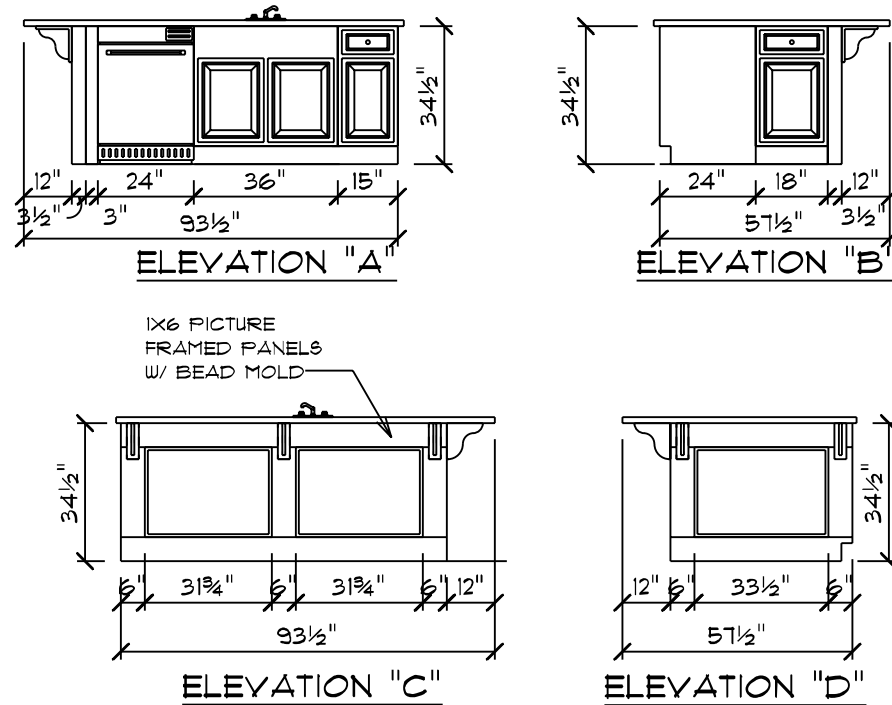
34-1/2" STUD WALL
 (4) FPC34X48
 (7) UFWD636-F4E
 (5) CV36
 (5) DCB3



BEVERLY AMERICAN TRADITION / CUSTOM

CABINET PLAN

NOTE: CABINET DRAWING DIMENSIONS
 ACCOUNT FOR 1/2" OF DRYWALL



- CABINET NOTES:**
- KITCHEN**
- CAMBRIDGE BIRCH CABINETS W/ TRADITIONAL OVERLAY
 - DELUXE CABINETS
 - 2-1/4" KITCHEN CABINET CROWN MOLDING
 - QUARTZ COUNTERTOPS
 - STAINLESS STEEL APRON KITCHEN SINK
 - BRUSHED NICKEL MODERN METAL PULLS
- OWNER'S BATH**
- CAMBRIDGE BIRCH CABINETS W/ TRADITIONAL OVERLAY
 - QUARTZ COUNTERTOPS
 - BRUSHED NICKEL MODERN METAL PULLS
- MAIN BATH, BATH #2, HALF BATH**
- CAMBRIDGE BIRCH CABINETS W/ TRADITIONAL OVERLAY
 - GRANITE COUNTERTOPS
 - BRUSHED NICKEL MODERN METAL PULLS

CUSTOM BUILT FOR: JAMES JR. & ATYONNA BARNES
 JOB #: DUTCOO 021 0840 CN #: 32381 VN #: BA262
 LOCATION: 1092 OLD STAGE RD. ERWIN, NC 28339
 COUNTY: HARNETT

SQUARE FOOTAGES (4480)
 CRAWL SPACE: 2181
 9' FL: 2215
 BONUS ROOM: 265
 GARAGE: 492
 PORCHES: 286

DATE: 12/8/2021
 SCALE: 1/4" = 1'-0"
 DRAIN BY: 5G
 DWG: 13

© 1992-2021 SCHUMACHER HOMES OPERATIONS, INC. ALL RIGHTS RESERVED. THE
 BONUS ROOM, GARAGE, AND PORCHES ARE NOT TO BE USED TO CREATE DERIVATIVE WORKS, TECHNICAL DRAWINGS OR TO
 MAKE OPERATIONS AND REPAIRS. THESE PLANS ARE NOT TO BE USED TO REPLICATE OR REPRODUCE ANY PART OF THESE PLANS
 WITHOUT THE EXPRESS WRITTEN CONSENT OF SCHUMACHER HOMES, AND SUCH
 UNAUTHORIZED USE OR COPYING IS A VIOLATION OF UNITED STATES COPYRIGHT LAW
 AND THAT RESULT IN DAMAGES IN EXCESS OF \$5000 PER ACT OF INFRINGEMENT

Raleigh/Durham, NC
 182 West Hamlin Road
 Benson, NC 27504
 (811) 261-3482
 www.schumacherhomes.com

Paul Schumacher
 SCHUMACHER HOMES

Silverline V1 Series Single Hung Windows																				
R.O	36 1/2	38 1/2	40 1/2	42 1/2	44 1/2	46 1/2	48 1/2	50 1/2	52 1/2	54 1/2	56 1/2	60 1/2	62 1/2	64 1/2	66 1/2	72 1/2	74 1/2	78 1/2	80 1/2	84 1/2
18 1/2	1630	1632			1638	16310	1640	1642	1644	1646	1648	1650	1652	1654	1656	1660	1662	1666		1670
20 1/2	1830	1832			1838	18310	1840	1842	1844	1846	1848	1850	1852	1854	1856	1860	1862	1866		1870
24 1/2	2030	2032	2034	2036	2038	20310	2040	2042	2044	2046	2048	2050	2052	2054	2056	2060	2062	2066		2070
28 1/2	2430	2432			2438	24310	2440	2442	2444	2446	2448	2450	2452	2454	2456	2460	2462	2466		2470
30 1/2	2630	2632	2634	2636	2638	26310	2640	2642	2644	2646	2648	2650	2652	2654	2656	2660	2662	2666		2670
32 1/2	2830	2832	2834	2836	2838	28310	2840	2842	2844	2846	2848	2850	2852	2854	2856	2860	2862	2866		2870
36 1/2	3030	3032	3034	3036	3038	30310	3040	3042	3044	3046	3048	3050	3052	3054	3056	3060	3062	3066	3068	3070
38 1/2	3230	3232			3238	32310	3240	3242	3244	3246	3248	3250	3252	3254	3256	3260	3262	3266		3270
40 1/2	3430	3432			3438	34310	3440	3442	3444	3446	3448	3450	3452	3454	3456	3460	3462	3466		3470
42 1/2	3630	3632			3638	36310	3640	3642	3644	3646		3650	3652	3654	3656	3660	3662			3670
44 1/2	3830	3832			3838	38310	3840	3842	3844	3846	3848	3850	3852	3854	3856	3860	3862	3866		3870
48 1/2	4030	4032			4038	40310	4040	4042	4044	4046	4048	4050	4052	4054	4056	4060	4062	4066		4070

BOLD TYPE MEETS EGRESS

UNDERLINED CALLOUTS MEET EGRESS WITH CLEAR OPENING HARDWARE

Silverline V3 Series Casement Windows						
R.O	18	21	24 5/8	28 7/8	34	36 7/16
24 5/8	C1-1520	C1-1820	C1-2020	C1-2420		
28 7/8	C1-1524	C1-1824	C1-2024	C1-2424	C1-2924	
36 7/16	C1-15211	C1-18211	C1-20211	C1-24211	C1-29211	C1-211211
41 5/16	C1-1534	C1-1834	C1-2034	C1-2434	<u>C1-2934</u>	C1-21134
48 1/2	C1-1540	C1-1840	C1-2040	<u>C1-2440</u>	<u>C1-2940</u>	C1-21140
53 5/16	C1-1544	C1-1844	C1-2044	<u>C1-2444</u>	<u>C1-2944</u>	C1-21144
60 3/8	C1-15411	C1-18411	C1-20411	<u>C1-24411</u>	<u>C1-29411</u>	C1-211411
65 5/16	C1-1554	C1-1854	C1-2054	<u>C1-2454</u>	<u>C1-2954</u>	C1-21154
72 3/8	C1-15511	C1-18511	C1-20511	<u>C1-24511</u>	<u>C1-29511</u>	C1-211511

Silverline V3 Series Awning Windows						
R.O	25 5/8	28 7/8	32	36 7/16	41 1/4	48 1/2
17 1/2	AW1-2015	AW1-2415	AW1-2715	AW1-21115	AW1-3415	AW1-4015
21	AW1-2018	AW1-2418	AW1-2718	AW1-21118	AW1-3418	AW1-4018
24 5/8	AW1-2020	AW1-2420	AW1-2720	AW1-21120	AW1-3420	AW1-4020
28 7/8	AW1-2024	AW1-2424	AW1-2724	AW1-21124	AW1-3424	AW1-4024
32		AW1-2427	AW1-2727	AW1-21127	AW1-3427	AW1-4027
36 4/9			AW1-27211	AW1-211211	AW1-34211	AW1-40211

Silverline Sliding Door	
6068	72-1/4" x 80-1/2"

Masonite Patio Door Units	
Unit	Rough Opening
3068	38 1/2" x 82 1/2"
3080	38 1/2" x 98 1/2"
6068	75 5/8" x 82 1/2"
6080	75 5/8" x 98 1/2"
9068	112 5/8" x 82 1/2"
9080	112 5/8" x 98 1/2"

Exterior Door with Sidelites	
3'-0" w(1) 14" S.L.	54 5/8" X 82 1/2"
3'-0" w(2) 14" S.L.	69 5/8" X 82 1/2"

Andersen 200 Narroline	
Gliding Patio Door	
Unit	Rough Opening
NLGD6068	72" x 80"
NLGD12068-4	141 3/4" x 80"
NLGD6080	72" x 96"
NLGD12080-4	141 3/4" x 96"

Andersen 100 Patio Door	
Unit	Rough Opening
6068	72" x 80"
6080	72" x 96"

Silverline V3 Series Twin Casement Windows					
R.O	41 1/4	48 1/2	57	63 1/4	72 1/8
24 5/8	C2-3420	C2-4020	C2-4820		
28 7/8	C2-3424	C2-4024	C2-4824		
36 7/16	C2-34211	C2-40211	C2-48211	C2-52211	C2-511211
41 5/16	C2-3434	C2-4034	C2-4834	<u>C2-5234</u>	C2-51134
48 1/2	C2-3440	C2-4040	<u>C2-4840</u>	<u>C2-5240</u>	C2-51140
53 5/16	C2-3444	C2-4044	<u>C2-4844</u>	<u>C2-5244</u>	C2-51144
60 3/8	C2-34411	C2-40411	<u>C2-48411</u>	<u>C2-52411</u>	C2-511411
65 5/16	C2-3454	C2-4054	<u>C2-4854</u>		
72 3/8	C2-34511	C2-40511	<u>C2-48511</u>		

Silverline V3 Series Twin Awning Windows			
R.O	57	63 1/4	72 1/8
17 1/2	AW2-4815	AW2-5215	AW2-51115
21	AW2-4818	AW2-5218	AW2-51118
24 5/8	AW2-4820	AW2-5220	AW2-51120
28 7/8	AW2-4824	AW2-5224	AW2-51124
32		AW2-5227	AW2-51127
36 7/16			AW2-511211

Fireplace Framing	
36" WOOD BURNING EL36 W: 42" H: 40-1/4" D: 21-1/2"	
42" WOOD BURNING EL42 W: 48" H: 40-1/4" D: 21-1/2"	
36" DIRECT VENT NDV4236i W: 42" H: 35-1/4" D: 24"	
42" DIRECT VENT NDV4842i W: 49" H: 35-1/4" D: 24"	
36" MODERN GAS DV NEVO4236i W: 42" H: 40-1/4" D: 20-1/4"	
42" RAVE DIRECT VENT RAVE42-IFT-B W: 50" H: 33-1/4" D: 18-1/4"	
60" CRAVE DIRECT VENT CRAVE7260-B W: 72-1/4" H: 48-1/2" D: 18-3/4"	
HOLD FIREPLACE UP 2" TO ALLOW FOR STONE HEARTH IF APP.	
A PLYWOOD FLOOR IS REQUIRED ON ALL WOODBURNERS AT LEAST 6' HIGH TO BE INSTALLED BY FRAMERS	
2X6 WRAP AT TOP OF CHASE	

Silverline V3 Triple Csmnt Windows			
R.O	61 1/2	72 3/8	85 1/8
24 5/8	C3-5120	C3-51120	C3-7020
28 7/8	C3-5124	C3-51124	C3-7024
36 7/16	C3-51211	C3-511211	C3-70211
41 5/16	C3-5134	C3-51134	C3-7034
48 1/2	C3-5140	C3-51140	<u>C3-7040</u>
53 5/16	C3-5144	C3-51144	<u>C3-7044</u>
60 3/8	C3-51411	C3-511411	<u>C3-70411</u>

Silverline Oval Windows		
	Rough Opening	
	Width	Height
OVL-2030	24 1/2	36 1/2
OVL-2434	28 1/2	40 1/2
OVL-2838	32 1/2	44 1/2
OVL-3040	36 1/2	48 1/2
OVL-3050	36 1/2	60 1/2

Window Notes	Additional Important Information
1. TO CALCULATE THE R.O. FOR A WINDOW WITH A TRANSOM, ADD BOTH UNIT DIMENSIONS TOGETHER AND ADD 1/2".	1. THERE IS NO ALLOWANCE IN ANY OF THE HEIGHT DIMENSIONS FOR CARPET SHIM. (PLEASE ADD ACCORDINGLY)
2. TO CALCULATE THE R.O. FOR MULTIPLE UNITS, ADD BOTH ACTUAL UNIT DIM TOGETHER AND ADD 1/2" PER MULL	2. BRICK OPENINGS ARE 2-1/2" WIDER AND 1-1/4" HIGHER THAN ACTUAL UNIT SIZE.
3. FOR R.O.'S NOT LISTED, ADD 1/2" TO THE ACTUAL UNIT DIM FOR BOTH THE WIDTH AND HEIGHT	3. FOR 7' DOORS ADD 4" TO THE ACTUAL UNIT SIZE AND ROUGH OPENING HEIGHT DIMENSIONS.
	4. DO NOT STORE PRE-HUNG UNITS OUTSIDE.


Lintel Schedule				1/2" or Equiv Reinforcing Bars
Size of Steel Angle	No story Above	One story above	Two Stories Above	
3 x 3 x 1/4	6'-0"	4'-6"	3'-0"	1
4 x 3 x 1/4	8'-0"	6'-0"	4'-6"	1
5 x 3-1/2 x 5/16	10'-0"	8'-0"	6'-0"	2
6 x 3-1/2 x 5/16	14'-0"	9'-6"	7'-0"	2
(2) 6 x 3-1/2 x 5/16	20'-0"	12'-0"	9'-6"	4

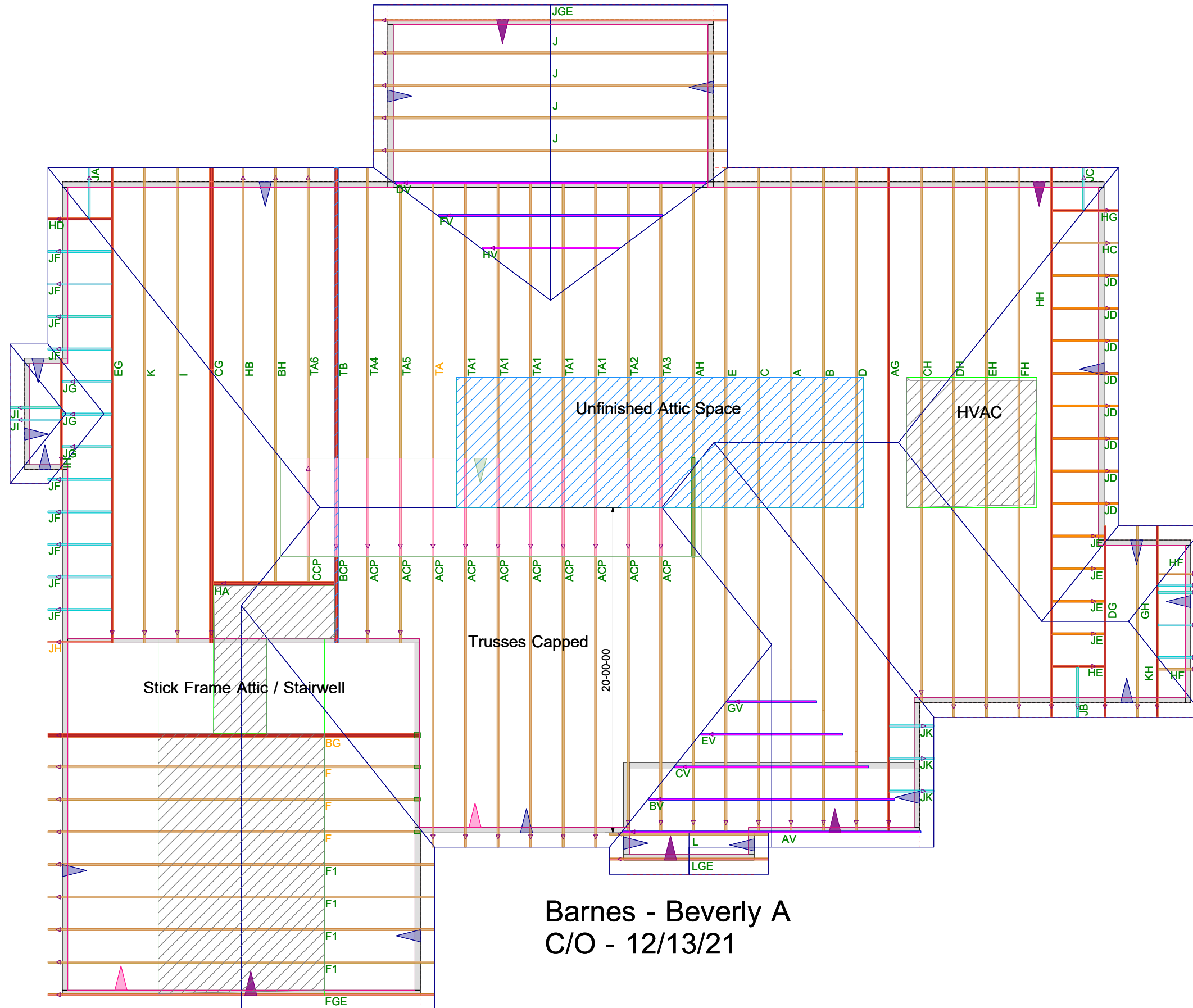
Miscellaneous Framing
FRAME SOFFITS THE SAME HEIGHT AS DRYWALL OPENINGS.
LEAVE 14-1/2" BETWEEN EACH END JOIST & RIM JOIST TO ALLOW FOR INSULATION. INSULATE ALL FRAMED CHANNELS & CORNERS AND BEHIND SHOWER & TUB UNITS. INSTALL FIREBLOCK FRAMING IN ALL STAIRWAY CEILINGS.

DRAWN BY: 5G
 DATE: 12/8/2021
 SCALE: 1/8" = 1'-0"
 14
 © 1992-2021 SCHUMACHER HOMES OPERATIONS, INC. ALL RIGHTS RESERVED. THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF SCHUMACHER HOMES OPERATIONS, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND HOME SPECIFICALLY IDENTIFIED HEREIN. THESE PLANS ARE NOT TO BE USED TO CREATE DERIVATIVE WORKS, TECHNICAL DRAWINGS OR TO BUILD A STRUCTURE, REPRODUCED, COPIED, OR MODIFIED, IN WHOLE OR PART, WITHOUT THE EXPRESS WRITTEN CONSENT OF SCHUMACHER HOMES, AND SUCH UNAUTHORIZED USE OR COPYING IS A VIOLATION OF UNITED STATES COPYRIGHT LAW AND THAT RESULT IN DAMAGES IN EXCESS OF \$5000 PER ACT OF INFRINGEMENT.

SQUARE FOOTAGES (4800)
 CRAWL SPACE: 2181
 9'1" FL: 2215
 BONUS ROOM: 265
 GARAGE: 492
 PORCHES: 286

CUSTOM BUILT FOR: JAMES JR. & ATYONNA BARNES
 JOB #: DUTCO 021 0840 CN #: 92981 VN #: BA262
 LOCATION: 1092 OLD STAGE RD. ERWIN, NC 28339
 COUNTY: HARNETT

Raleigh/Durham, NC
 182 West Hamlin Road
 Benson, NC 27504
 (811) 261-3482
 www.schumacherhomes.com


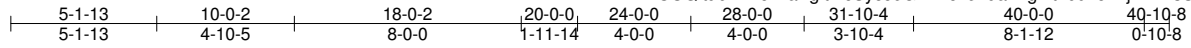


Barnes - Beverly A
 C/O - 12/13/21

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	A	Roof Special	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:32 2021 Page 1
 ID:1OUQItubALAJMlaPgftmcUyoJ6G-2llkJK6TuaVxgmtL097oxAjwIRksUEUvCDka?Ey9Pjr



6x6 =

Scale = 1:81.3

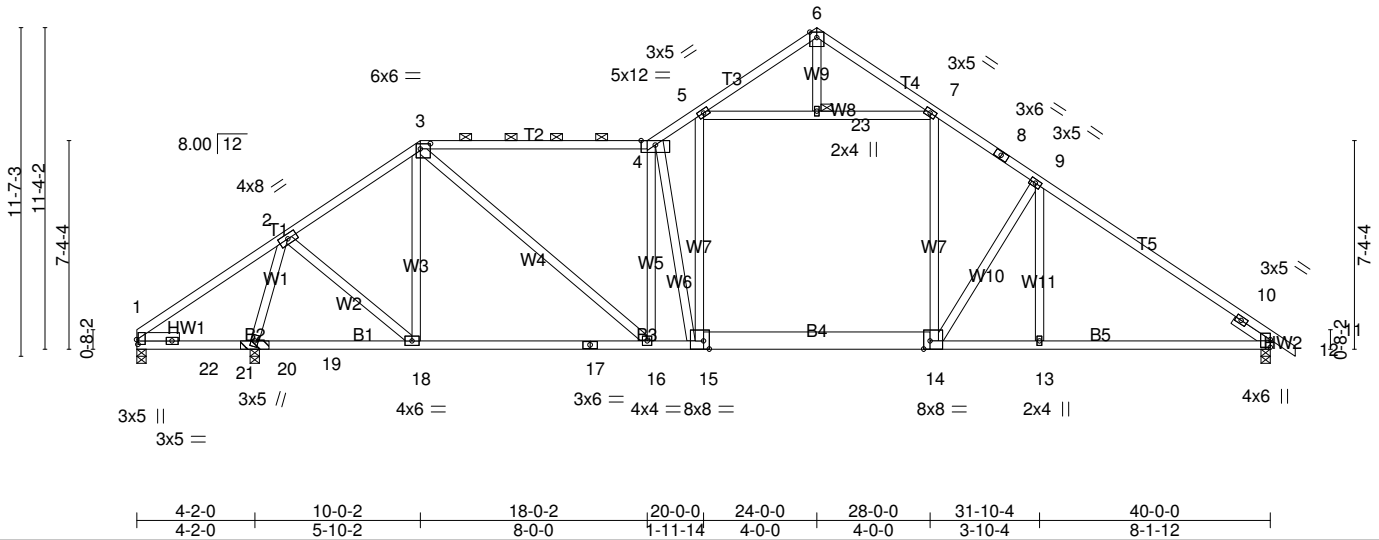


Plate Offsets (X,Y)-- [1:0-2-0,0-0-9], [3:0-4-4,0-2-4], [11:0-3-3,0-0-1], [14:0-2-12,Edge], [15:0-2-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.68	Vert(LL)	0.22 15-16	>999	240	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.84	Vert(CT)	-0.39 16-18	>999	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.96	Horz(CT)	0.04 11	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 214 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2 *Except*
 T2: 2x4 SP DSS
 BOT CHORD 2x4 SPF No.2 *Except*
 B4: 2x8 SP No.1
 WEBS 2x4 SPF Stud
 SLIDER Left 2x4 SPF Stud -δ 1-6-0, Right 2x4 SPF Stud -δ 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-11-14 oc purlins, except 2-0-0 oc purlins (4-4-5 max.): 3-4.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 4-10-5 oc bracing: 1-20
 6-0-0 oc bracing: 18-20.
 JOINTS 1 Brace at Jt(s): 23

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=550/0-4-0 (min. 0-1-8), 20=2396/(0-4-0 + bearing block) (req. 0-4-4), 11=1406/0-4-0 (min. 0-2-9)
 Max Horz 1=-214(LC 8)
 Max Uplift1=-766(LC 23), 20=-711(LC 12), 11=-278(LC 13)
 Max Grav 1=338(LC 9), 20=2693(LC 20), 11=1636(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-32=-553/1400, 2-32=-535/1489, 2-33=-1139/307, 3-33=-1019/327, 3-34=-1858/411, 4-34=-1858/411, 4-5=-1991/466,
 5-6=-366/138, 6-7=-380/139, 7-8=-1913/421, 8-9=-1950/405, 9-35=-2150/390, 10-35=-2248/366, 10-11=-803/0,
 11-12=0/49
 BOT CHORD 1-22=-246/313, 21-22=-1049/384, 20-21=-1049/384, 19-20=-382/190, 18-19=-382/190, 18-36=-9/762, 17-36=-9/762,
 16-17=-9/762, 15-16=-156/1686, 14-15=-93/1473, 13-14=-182/1741, 13-37=-182/1741, 11-37=-182/1741
 WEBS 2-20=-2546/709, 2-18=-251/1403, 3-18=-671/269, 3-16=-198/1266, 4-16=-556/217, 4-15=-845/264, 6-23=-26/106,
 9-14=-506/249, 9-13=0/210, 5-15=-141/852, 7-14=-100/700, 5-23=-1362/338, 7-23=-1362/338

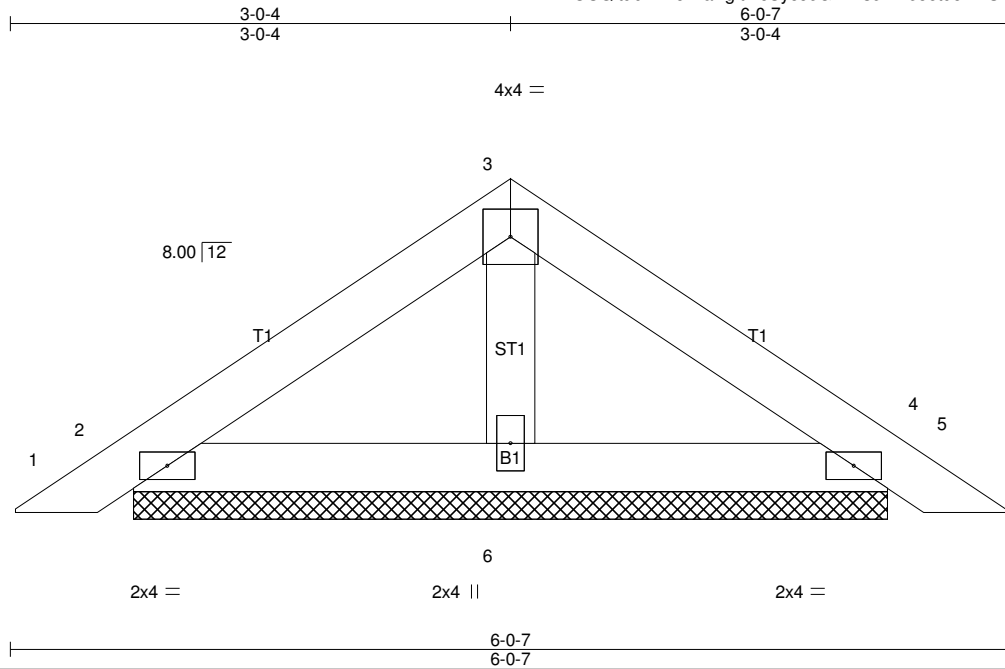
- NOTES-**
- 2x4 SPF No.2 bearing block 12" long at jt. 20 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF 1650F 1.5E.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 4-0-0, Interior(1) 4-0-0 to 10-0-2, Exterior(2) 10-0-2 to 14-0-2, Interior(1) 14-0-2 to 24-0-0, Exterior(2) 24-0-0 to 28-1-12, Interior(1) 28-1-12 to 40-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - 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 bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 766 lb uplift at joint 1, 711 lb uplift at joint 20 and 278 lb uplift at joint 11.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	ACP	Piggyback	10	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:33 2021 Page 1
ID:1OUQltubALAJMlaPgftmclUyoJ6G-Wxs6W465etdoHwSXase1TNGEartaDvL2RtT7Xgy9Pjg



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.07	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.04	Vert(LL) -0.00 4 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.02	Vert(CT) 0.00 4 n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 4 n/a n/a		
	Code IBC2015/TPI2014			Weight: 15 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

BRACING-
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=130/4-6-9 (min. 0-1-8), 4=130/4-6-9 (min. 0-1-8), 6=160/4-6-9 (min. 0-1-8)
Max Horz 2=35(LC 11)
Max Uplift 2=-40(LC 12), 4=-44(LC 13), 6=-1(LC 12)
Max Grav 2=130(LC 1), 4=132(LC 21), 6=160(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/23, 2-3=-63/35, 3-4=-56/35, 4-5=0/23
BOT CHORD 2-6=-8/27, 4-6=-8/27
WEBS 3-6=-104/42

NOTES-

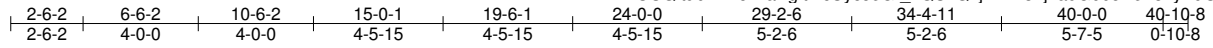
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
- 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 2, 44 lb uplift at joint 4 and 1 lb uplift at joint 6.
- 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	AG	Roof Special Girder	1	1	
					Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:34 2021 Page 1
 ID:1OUQltubALAJMlaPgftmcUyoJ6G-7QUkQ7jPBIfv31j7a9G0boE6F82yAuCgXDh46y9Pjp



6x6 =

Scale = 1:80.0

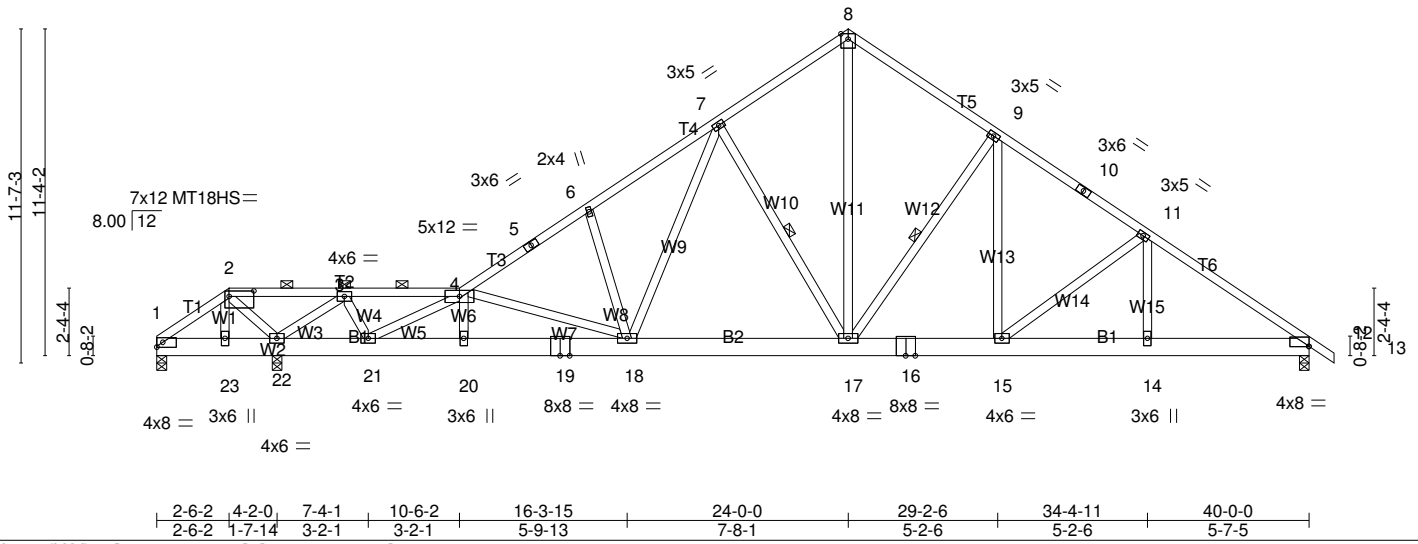


Plate Offsets (X,Y)-- [2:0-10-4,0-2-4], [12:0-0-0,0-0-2]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.79	Vert(LL)	-0.10	18	>999	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.29	Vert(CT)	-0.20	17-18	>999	MT18HS	197/144
TCDL 10.0	Lumber DOL 1.15	WB 0.77	Horz(CT)	0.02	12	n/a		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MS						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 264 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x8 SP No.1
 WEBS 2x4 SPF Stud

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-11-13 oc purlins, except 2-0-0 oc purlins (8-4-7 max.): 2-4.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 7-17, 9-17

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=-990/0-4-0 (min. 0-1-8), 22=2890/0-4-0 (req. 0-4-11), 12=1352/0-4-0 (min. 0-2-4)
 Max Horz 1=-214(LC 30)
 Max Uplift1=-1046(LC 38), 22=-688(LC 12), 12=-243(LC 13)
 Max Grav 1=213(LC 12), 22=2995(LC 38), 12=1427(LC 39)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-357/1793, 2-30=-494/2384, 3-30=-494/2384, 3-4=-116/258, 4-5=-1994/334, 5-6=-1925/345, 6-7=-1947/415, 7-31=-1391/348, 8-31=-1329/367, 8-32=-1310/363, 9-32=-1387/341, 9-10=-1642/353, 10-11=-1742/332, 11-33=-1967/344, 12-33=-2042/331, 12-13=0/49
 BOT CHORD 1-23=-1535/348, 22-23=-1528/347, 22-34=-781/281, 34-35=-781/281, 21-35=-781/281, 20-21=-347/1885, 19-20=-342/1883, 18-19=-342/1883, 18-36=-168/1407, 36-37=-168/1407, 17-37=-168/1407, 16-17=-105/1370, 16-38=-105/1370, 15-38=-105/1370, 14-15=-186/1605, 12-14=-186/1605
 WEBS 2-23=-89/26, 2-22=-1454/359, 3-22=-2181/476, 3-21=-169/1235, 4-21=-2301/407, 4-20=-24/105, 4-18=-261/90, 6-18=-311/202, 7-18=-138/624, 7-17=-633/269, 8-17=-271/1194, 9-17=-633/258, 9-15=-42/364, 11-15=-376/176, 11-14=0/177

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 6-6-2, Interior(1) 6-6-2 to 24-0-0, Exterior(2) 24-0-0 to 28-0-0, Interior(1) 28-0-0 to 40-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCDL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) All plates are MT20 plates unless otherwise indicated.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 8) WARNING: Required bearing size at joint(s) 22 greater than input bearing size.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1046 lb uplift at joint 1, 688 lb uplift at joint 22 and 243 lb uplift at joint 12.
 - 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	AG	Roof Special Girder	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:34 2021 Page 2
ID:1OUQItubALAJMlaPgftmcUyoJ6G-_7QUkQ7jPBIfv31j7a9G0boE6F82yAuCgXDh46y9Pjp

NOTES-

- 12) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 66 lb down and 67 lb up at 2-6-2, and 67 lb down and 60 lb up at 4-6-14, and 66 lb down and 60 lb up at 6-6-14 on top chord, and 20 lb down and 28 lb up at 2-6-14, and 20 lb down and 28 lb up at 4-6-14, and 20 lb down and 28 lb up at 6-6-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

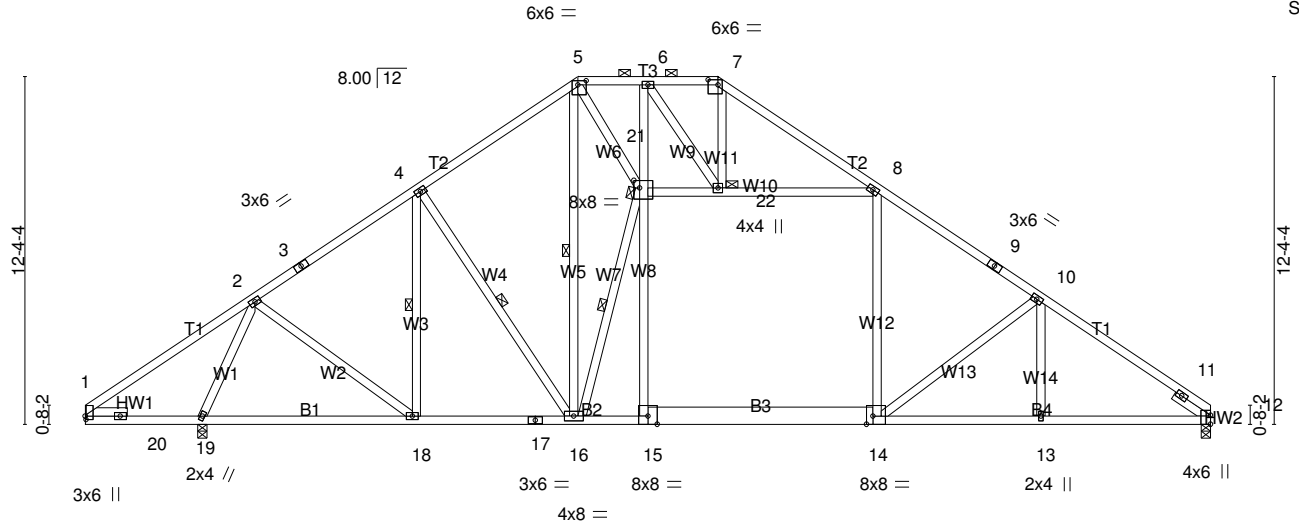
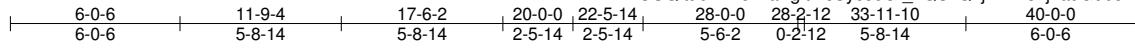
- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)

Vert: 1-2=-60, 2-4=-60, 4-8=-60, 8-13=-60, 24-27=-20

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	AH	Hip	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:34 2021 Page 1
 ID:1OUQltubALAJMlaPgftmclUyoJ6G-7QUkQ7jPBIfv31j7a9G0boHrF2jy9WCgXDh46y9Pjp



Scale = 1:81.9

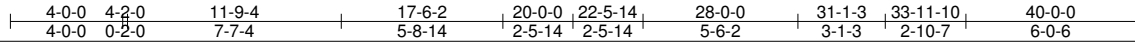


Plate Offsets (X,Y)-- [1:0-1-9,0-0-5], [5:0-3-8,0-1-12], [7:0-4-4,0-2-4], [12:0-3-15,Edge], [14:0-2-12,Edge], [21:0-2-8,0-3-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.61	Vert(LL)	0.18 13-14	>999	240	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.69	Vert(CT)	-0.31 13-14	>999	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.86	Horz(CT)	0.07 12	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 233 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2 *Except*
 B3: 2x8 SP No.1
 WEBS 2x4 SPF Stud
 SLIDER Left 2x4 SPF Stud -δ 1-6-0, Right 2x4 SPF Stud -δ 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-1-2 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-7.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 1-19.
 WEBS 1 Row at midpt 4-18, 4-16, 5-16, 16-21
 JOINTS 1 Brace at Jt(s): 21, 22

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 19=1783/0-4-0 (min. 0-2-15), 12=1417/0-4-0 (min. 0-2-7)
 Max Horz 19=227(LC 9)
 Max Uplift 19=-300(LC 12), 12=-248(LC 13)
 Max Grav 19=1859(LC 19), 12=1543(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-31=-142/234, 2-31=-119/337, 2-3=-1454/280, 3-4=-1311/304, 4-5=-1402/399, 5-6=-500/254, 6-7=-443/189, 7-8=-624/230, 8-9=-1854/399, 9-10=-1931/374, 10-32=-2138/397, 11-32=-2261/383, 11-12=-841/18
 BOT CHORD 1-20=-280/463, 19-20=-204/179, 18-19=-199/700, 18-33=-138/1224, 17-33=-138/1224, 16-17=-138/1224, 15-16=-117/1487, 14-15=-118/1499, 13-14=-240/1782, 12-13=-240/1782
 WEBS 2-19=-1820/451, 2-18=-41/731, 4-18=-263/123, 4-16=-209/190, 5-16=-657/1926, 16-21=-1943/696, 7-22=-101/115, 10-13=0/211, 15-21=0/328, 6-21=-133/185, 8-14=-10/470, 10-14=-415/208, 21-22=-1374/518, 8-22=-1318/434, 5-21=-1616/643, 6-22=-153/150

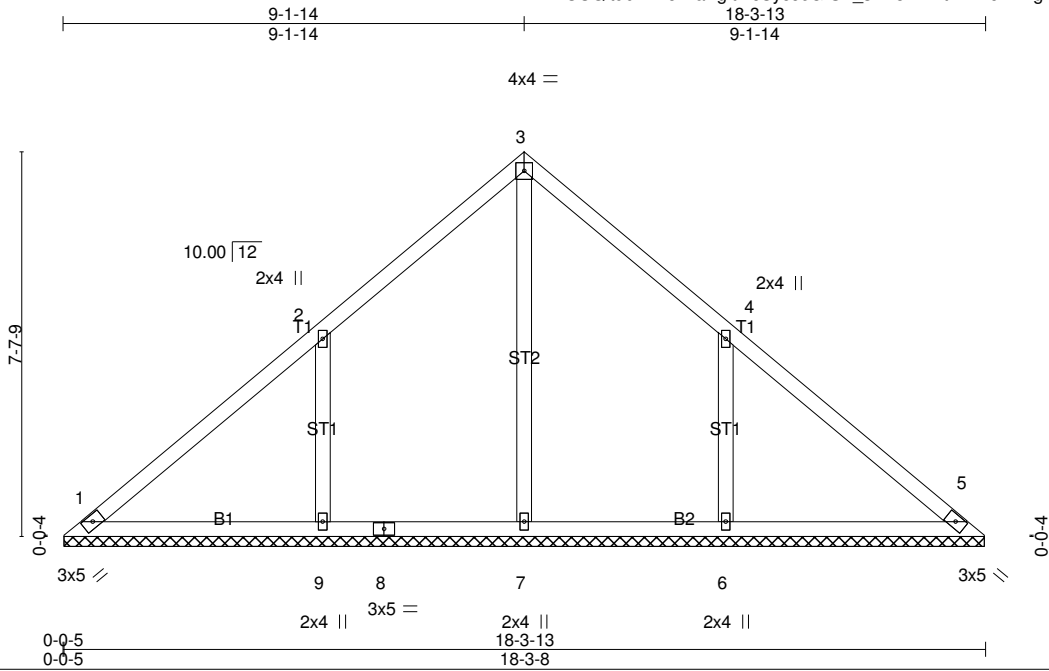
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 4-0-0, Interior(1) 4-0-0 to 17-6-2, Exterior(2) 17-6-2 to 28-1-12, Interior(1) 28-1-12 to 40-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) All plates are 3x5 MT20 unless otherwise indicated.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 300 lb uplift at joint 19 and 248 lb uplift at joint 12.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	AV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:35 2021 Page 1
ID:1OUQltubALAJMlaPgftmcUyoJ6G-SK_sxm8MAVtWXDowhHgVZoLYGfWLhmvLuByEcZy9Pjo



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.25	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.15	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.15	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 5 n/a n/a		
	Code IBC2015/TPI2014			Weight: 63 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=180/18-3-3 (min. 0-2-8), 5=180/18-3-3 (min. 0-2-8), 7=193/18-3-3 (min. 0-2-8), 9=424/18-3-3 (min. 0-2-8), 6=424/18-3-3 (min. 0-2-8)
Max Horz 1=-141(LC 8)
Max Uplift1=-11(LC 8), 9=-249(LC 12), 6=-248(LC 13)
Max Grav 1=189(LC 20), 5=180(LC 1), 7=333(LC 22), 9=561(LC 19), 6=561(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-10=-157/94, 2-10=-118/132, 2-11=-173/134, 3-11=-142/153, 3-12=-142/140, 4-12=-173/121, 4-13=-87/101, 5-13=-127/53
BOT CHORD 1-9=-86/139, 8-9=-86/139, 7-8=-86/139, 6-7=-86/139, 5-6=-86/139
WEBS 3-7=-133/15, 2-9=-389/296, 4-6=-389/295

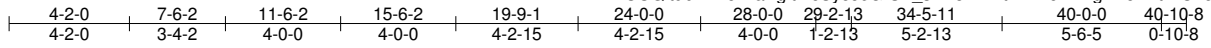
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-13 to 3-4-13, Interior(1) 3-4-13 to 9-1-14, Exterior(2) 9-1-14 to 12-1-14, Interior(1) 12-1-14 to 17-10-15 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 11 lb uplift at joint 1, 249 lb uplift at joint 9 and 248 lb uplift at joint 6.
 - 7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	B	Roof Special	1	1	

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8:500 s Apr 2 2021 Print: 8:500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:35 2021 Page 1
 ID:1OUQItubALAJMlaPgftmclUyoJ6G-SK_sxm8MAVtWXDcwhHgVZoLRttNCheFLuByEcZy9Pjo



6x6 =

Scale = 1:80.0

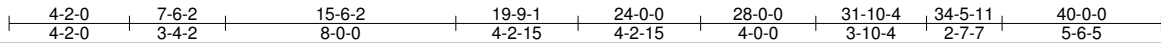
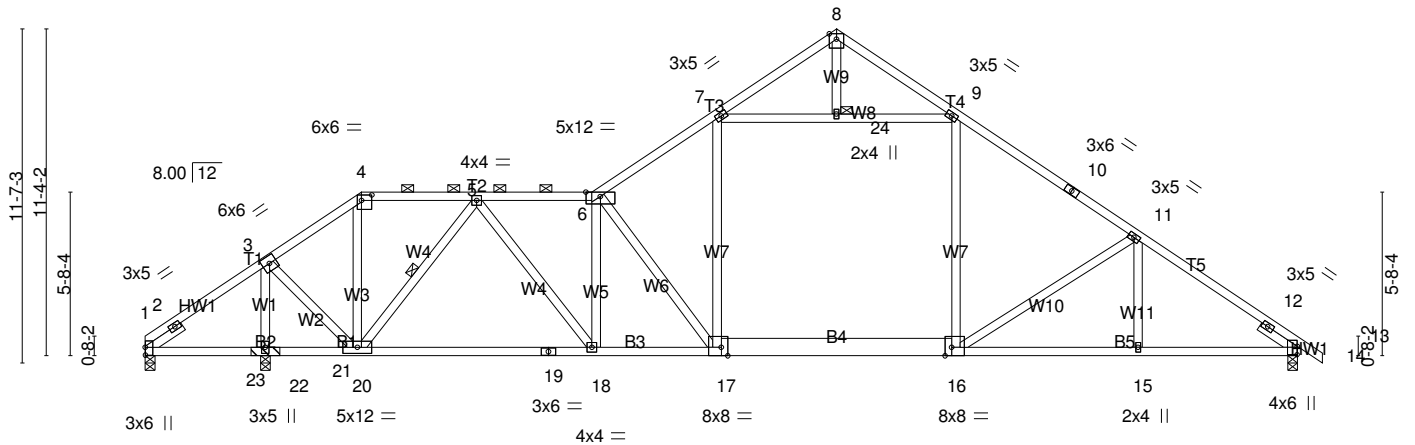


Plate Offsets (X,Y)-- [1:0-3-4,0-0-1], [4:0-4-4,0-2-4], [13:0-3-7,0-0-1], [16:0-2-12,Edge], [17:0-2-12,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.66	Vert(LL)	0.25 17-18	>999	240	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.74	Vert(CT)	-0.36 18-20	>999	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.76	Horz(CT)	0.06 13	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 205 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2 *Except*
 B4: 2x8 SP No.1
 WEBS 2x4 SPF Stud
 SLIDER Left 2x4 SPF Stud -δ 1-6-0, Right 2x4 SPF Stud -δ 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-5-14 oc purlins, except 2-0-0 oc purlins (4-1-11 max.): 4-6.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 4-7-2 oc bracing: 1-22
 4-11-6 oc bracing: 20-22.
 WEBS 1 Row at midpt 5-20
 JOINTS 1 Brace at Jt(s): 24

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=-688/0-4-0 (min. 0-1-8), 22=2553/(0-4-0 + bearing block) (req. 0-4-9), 13=1387/0-4-0 (min. 0-2-7)
 Max Horz 1=-214(LC 10)
 Max Uplift1=-967(LC 20), 22=-847(LC 12), 13=-281(LC 13)
 Max Grav 1=461(LC 9), 22=2901(LC 20), 13=1542(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-335/650, 2-33=-723/1711, 3-33=-711/1798, 3-4=-592/339, 4-5=-460/300, 5-6=-1995/459, 6-7=-1919/457, 7-8=-333/112, 8-9=-345/119, 9-10=-1790/379, 10-11=-1872/361, 11-34=-2065/408, 12-34=-2176/395, 12-13=-856/74, 13-14=0/49
 BOT CHORD 1-23=-1262/504, 22-23=-1262/504, 21-22=-1262/504, 20-21=-1262/504, 20-35=-123/1144, 35-36=-123/1144, 19-36=-123/1144, 18-19=-123/1144, 17-18=-184/1816, 16-17=-84/1411, 15-16=-242/1719, 13-15=-242/1719
 WEBS 3-22=-2706/788, 3-20=-461/1938, 4-20=-125/254, 5-20=-1429/330, 5-18=-160/1189, 6-18=-708/181, 6-17=-652/174, 7-17=-106/692, 8-24=-29/105, 11-15=0/178, 9-16=0/511, 7-24=-1349/378, 9-24=-1349/378, 11-16=-386/216

- NOTES-**
- 2x4 SPF No.2 bearing block 12" long at jt. 22 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF 1650F 1.5E.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 4-2-0, Interior(1) 4-2-0 to 7-6-2, Exterior(2) 7-6-2 to 11-6-2, Interior(1) 11-6-2 to 24-0-0, Exterior(2) 24-0-0 to 28-1-12, Interior(1) 28-1-12 to 40-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - 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 bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 967 lb uplift at joint 1, 847 lb uplift at joint 22 and 281 lb uplift at joint 13.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	B	Roof Special	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

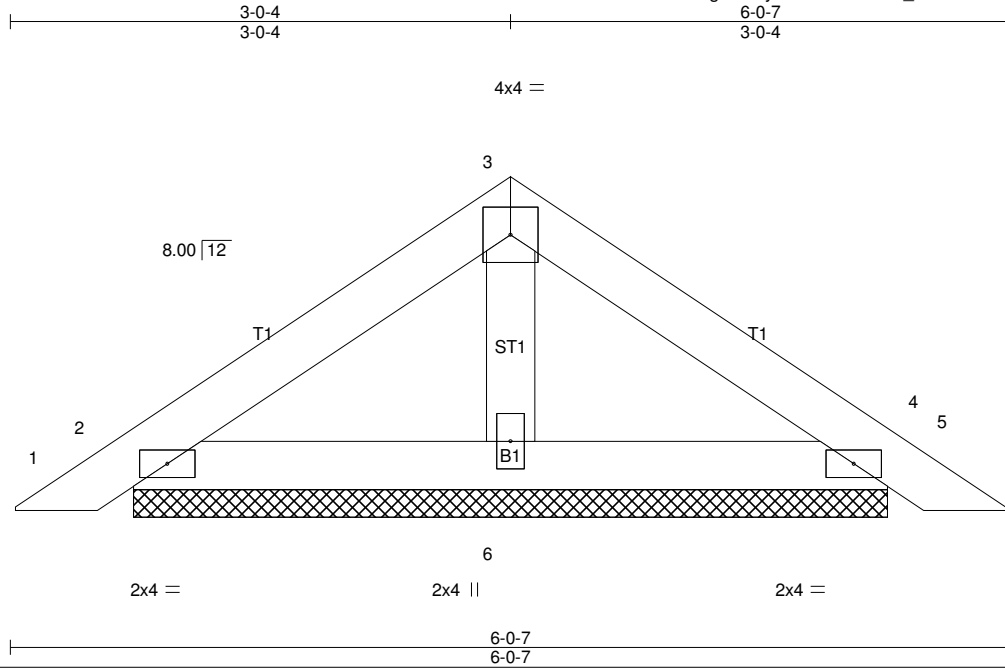
Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:35 2021 Page 2
ID:1OUQItubALAJMlaPgftmcUyoJ6G-SK_sxm8MAVtWXDcwhHgVZoLRtfnCheFLuByEcZy9Pjo

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	BCP	Piggyback	1	2	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:36 2021 Page 1
ID:1OUQltubALAJMlaPgftmclUyoJ6G-wWYF959_xo?M8NB6F?Ck50umM2udQFGV7rio8?y9Pjn



Scale = 1:13.9

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.04	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.02	Vert(LL) -0.00 4 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.01	Vert(CT) 0.00 4 n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 4 n/a n/a		
	Code IBC2015/TPI2014			Weight: 30 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

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

REACTIONS. (lb/size) 2=130/4-6-9 (min. 0-1-8), 4=130/4-6-9 (min. 0-1-8), 6=160/4-6-9 (min. 0-1-8)
Max Horz 2=35(LC 11)
Max Uplift 2=40(LC 12), 4=44(LC 13), 6=1(LC 12)
Max Grav 2=130(LC 1), 4=132(LC 21), 6=160(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/23, 2-3=-63/35, 3-4=-56/35, 4-5=0/23
BOT CHORD 2-6=-8/27, 4-6=-8/27
WEBS 3-6=-104/42

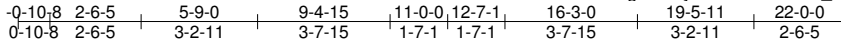
- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Gable requires continuous bottom chord bearing.
 - 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 bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 2, 44 lb uplift at joint 4 and 1 lb uplift at joint 6.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	BG	ATTIC	1	2	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:36 2021 Page 1
 ID:1OUQltubALAJMlaPgftmcUyoJ6G-wWYF959_xo?M8NB6F?Ck5Uao2IGQ93V7rio8?y9Pjn



6x6 =

Scale: 3/16"=1'

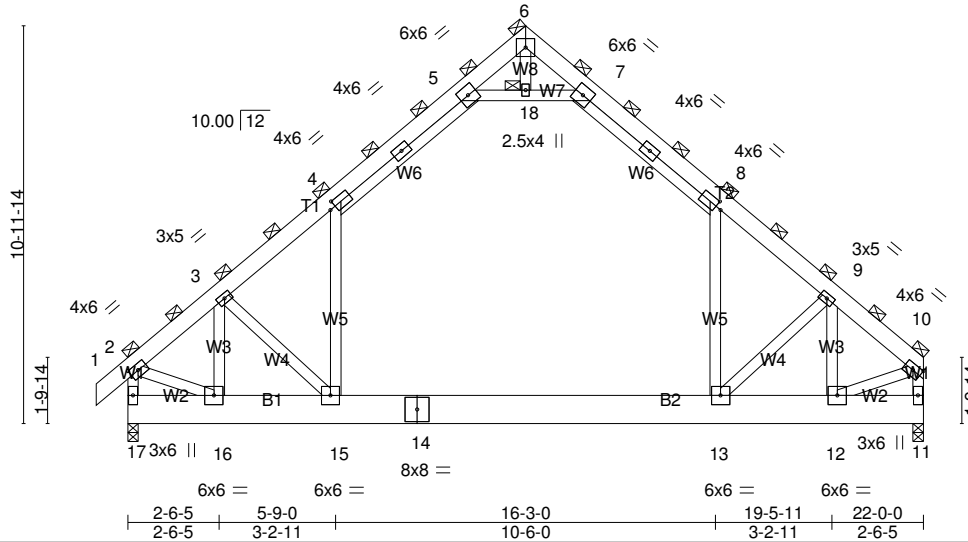


Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [4:0-2-0,0-2-0], [8:0-2-0,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	4-0-0	TC 0.78	Vert(LL)	-0.18 13-15	>999	240	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.62	Vert(CT)	-0.30 13-15	>867	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.41	Horz(CT)	0.01 11	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MS	Attic	-0.08 13-15	1520	360		
BCDL 10.0	Code IBC2015/TPI2014						Weight: 384 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SPF 1650F 1.5E
 BOT CHORD 2x10 SP No.1
 WEBS 2x4 SPF Stud

BRACING-

TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 JOINTS 1 Brace at Jt(s): 6, 18, 2, 10

REACTIONS. (lb/size) 17=2191/0-3-8 (min. 0-2-3), 11=2062/0-3-8 (min. 0-2-1)
 Max Horz 17=443(LC 11)
 Max Uplift 17=-66(LC 12), 11=-32(LC 13)
 Max Grav 17=2765(LC 21), 11=2648(LC 22)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/131, 2-19=-2368/97, 3-19=-2246/101, 3-4=-3114/127, 4-20=-1966/281, 5-20=-1735/302, 5-6=-41/921, 6-7=-41/921, 7-21=-1734/302, 8-21=-1966/282, 8-22=-2932/128, 9-22=-3117/96, 9-10=-2376/87, 2-17=-2552/160, 10-11=-2438/95
 BOT CHORD 16-17=402/415, 15-16=-170/2107, 14-15=0/1963, 13-14=0/1963, 12-13=-16/1833, 11-12=-13/64
 WEBS 5-18=-3195/380, 7-18=-3195/380, 4-15=0/1600, 8-13=0/1602, 3-16=-1441/74, 9-12=-1435/87, 3-15=-391/453, 9-13=-405/451, 6-18=0/200, 2-16=0/2006, 10-12=-3/2012

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 11-0-0, Exterior(2) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 21-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 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 bottom chord and any other members.
- Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-18, 7-18; Wall dead load (5.0psf) on member(s).4-15, 8-13
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-15
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 17 and 32 lb uplift at joint 11.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Attic room checked for L/360 deflection.

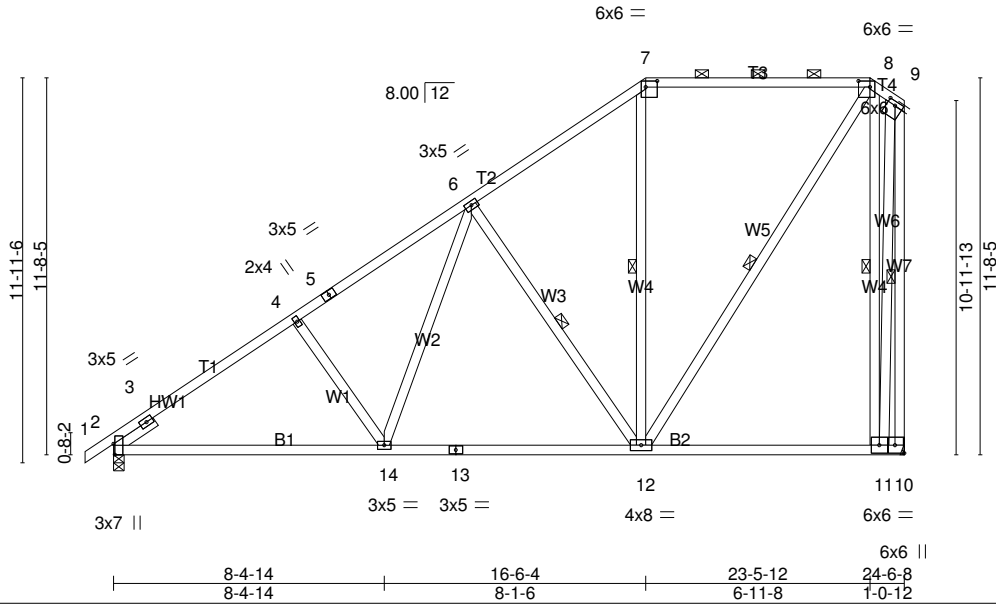
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	BH	Hip	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:37 2021 Page 1
 ID:1OUQItubALAJMlaPgftmcUyoJ6G-Pi5dMR9ci67DmXllpjizeDQnWS5r9ZieMVRlgRy9Pjm

0-10-8	5-8-7	11-1-5	16-6-4	23-5-12	24-6-8
0-10-8	5-8-7	5-4-15	5-4-15	6-11-8	1-0-12



Scale = 1:71.5

Plate Offsets (X,Y)-- [2:0-3-15,Edge], [7:0-4-4,0-2-4], [8:0-4-4,0-2-4], [9:0-3-0,0-1-8], [10:Edge,0-3-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.65	Vert(LL)	-0.15 12-14	>999	240	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.60	Vert(CT)	-0.23 12-14	>999	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.64	Horz(CT)	0.02 10	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 156 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF Stud *Except*
 W7: 2x4 SP DSS
 SLIDER Left 2x4 SPF Stud -ø 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-9-3 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-8.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-11-3 oc bracing: 2-14.
 WEBS 1 Row at midpt 6-12, 7-12, 8-12, 8-11, 9-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1029/0-4-0 (min. 0-1-11), 10=975/Mechanical
 Max Horz 2=338(LC 11)
 Max Uplift 2=188(LC 12), 10=203(LC 9)
 Max Grav 2=1095(LC 20), 10=1102(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-3=-715/0, 3-19=-1428/248, 4-19=-1368/269, 4-5=-1298/270, 5-6=-1226/293, 6-20=-766/257, 7-20=-687/280, 7-21=-597/279, 21-22=-597/279, 8-22=-597/279, 8-9=-380/332, 9-10=-1230/405
 BOT CHORD 2-14=-426/1257, 14-23=-312/925, 13-23=-312/925, 13-24=-312/925, 12-24=-312/925, 12-25=-141/181, 11-25=-141/181, 10-11=-166/185
 WEBS 4-14=-304/214, 6-14=-87/499, 6-12=-651/288, 7-12=-43/147, 8-12=-249/892, 8-11=-908/417, 9-11=-201/1067

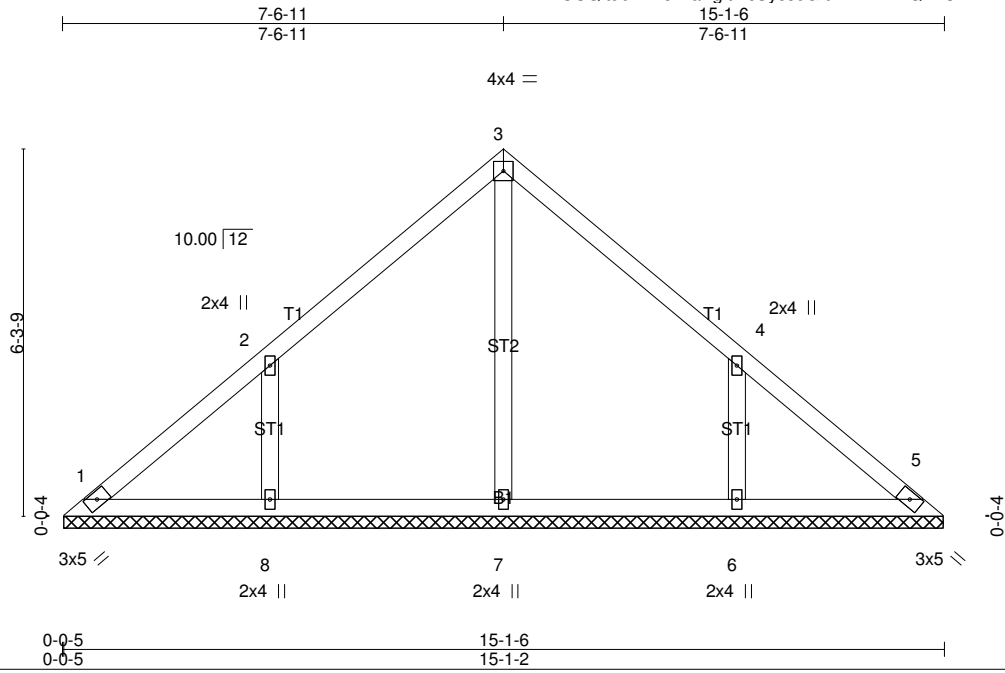
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-6-4, Exterior(2) 16-6-4 to 20-9-3, Interior(1) 20-9-3 to 23-5-12, Exterior(2) 23-5-12 to 24-4-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 188 lb uplift at joint 2 and 203 lb uplift at joint 10.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	BV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:38 2021 Page 1
 ID:1OUQltubALAJMlaPgftmcUyoJ6G-tv?ZnAETQF4OhKVMPecARz33sYJu8Bnb9BuDuy9Pj



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.15	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.14	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.11	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 5 n/a n/a		
	Code IBC2015/TPI2014			Weight: 50 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 OTHERS 2x4 SPF Stud

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=124/15-0-13 (min. 0-2-0), 5=124/15-0-13 (min. 0-2-0), 7=231/15-0-13 (min. 0-2-0), 8=333/15-0-13 (min. 0-2-0), 6=333/15-0-13 (min. 0-2-0)
 Max Horz 1=-115(LC 8)
 Max Uplift 1=-16(LC 8), 8=-200(LC 12), 6=-200(LC 13)
 Max Grav 1=136(LC 20), 5=124(LC 1), 7=339(LC 19), 8=421(LC 19), 6=421(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-120/103, 2-9=-161/106, 3-9=-119/125, 3-10=-119/115, 4-10=-147/96, 4-5=-101/70
 BOT CHORD 1-8=-55/104, 8-11=-55/104, 7-11=-55/104, 7-12=-55/104, 6-12=-55/104, 5-6=-55/104
 WEBS 3-7=-152/0, 2-8=-315/241, 4-6=-315/241

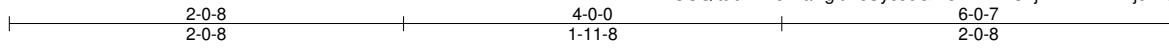
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-13 to 3-6-11, Interior(1) 3-6-11 to 7-6-11, Exterior(2) 7-6-11 to 10-6-11, Interior(1) 10-6-11 to 14-8-9 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 1, 200 lb uplift at joint 8 and 200 lb uplift at joint 6.
 - 7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	CCP	Piggyback	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:39 2021 Page 1
ID:1OUQItubALAJMlaPgftmcUyoJ6G-L5DNn7BsEjNx?rvhw71RjeWGCuGkdcBxppwSlKy9Pjk



Scale: 1"=1'

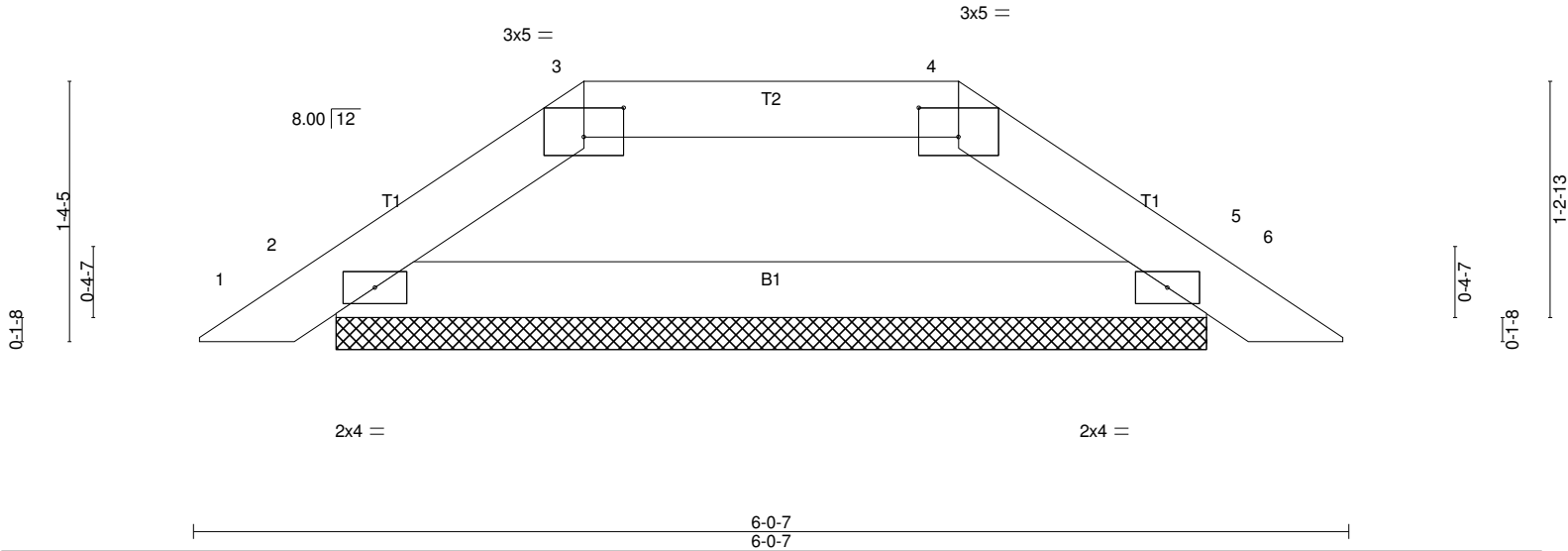


Plate Offsets (X,Y)-- [3:0-2-8,0-1-13], [4:0-2-8,0-1-13]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.06	Vert(LL)	-0.00	5	n/r	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.15	Vert(CT)	0.00	6	n/r		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.00	5	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 13 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=210/4-6-9 (min. 0-1-8), 5=210/4-6-9 (min. 0-1-8)
Max Horz 2=-23(LC 10)
Max Uplift 2=-35(LC 12), 5=-35(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/23, 2-3=-202/111, 3-4=-157/103, 4-5=-202/111, 5-6=0/23
BOT CHORD 2-5=-55/157

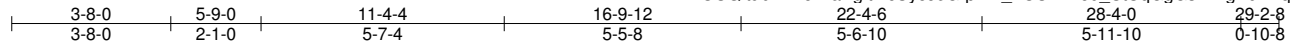
- NOTES-**
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - Gable requires continuous bottom chord bearing.
 - 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 bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 2 and 35 lb uplift at joint 5.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job BARNES FILE 2	Truss CG	Truss Type Roof Special Girder	Qty 1	Ply 2	Barnes - Beverly A
----------------------	-------------	-----------------------------------	----------	----------	--------------------

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:40 2021 Page 1
ID:1OUQItubALAJMlaPgftmcLyoJ6G-pHnl_TCU?1Vod_UtUqGgGs2LhgEOMxq42Tg?Hmy9Pjj



Scale = 1:53.1

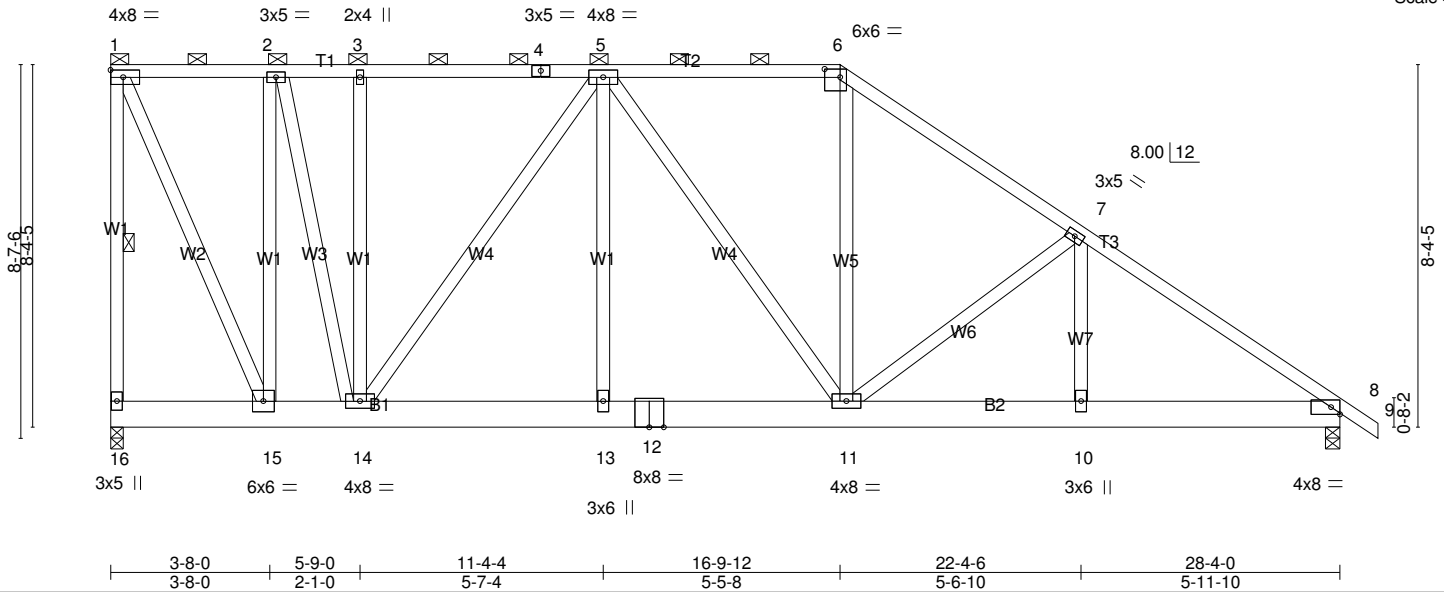


Plate Offsets (X,Y)-- [6:0-4-4,0-2-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.40	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.12	Vert(LL) -0.04 13 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.55	Vert(CT) -0.07 13-14 >999 180		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.01 8 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 433 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-6.
BOT CHORD 2x8 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF Stud	WEBS 1 Row at midpt 1-16

REACTIONS. (lb/size) 16=2575/0-3-8 (min. 0-2-0), 8=1388/0-4-0 (min. 0-1-8)
Max Horz 16=-241(LC 10)
Max Uplift 16=-730(LC 8), 8=-265(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-16=-2452/715, 1-20=-1076/408, 2-20=-1076/408, 2-3=-1254/438, 3-4=-1254/438, 4-5=-1254/438, 5-21=-1285/405, 6-21=-1285/405, 6-22=-1558/437, 7-22=-1659/423, 7-23=-1896/422, 8-23=-1986/404, 8-9=0/49
BOT CHORD 15-16=-289/292, 14-15=-296/1080, 14-24=-281/1471, 13-24=-281/1471, 12-13=-281/1471, 12-25=-281/1471, 11-25=-281/1471, 10-11=-242/1577, 8-10=-242/1577
WEBS 3-14=-254/136, 5-14=-695/351, 5-13=0/301, 5-11=-380/211, 6-11=-101/615, 7-11=-456/231, 7-10=0/177, 2-15=-805/264, 1-15=-728/2565, 2-14=-174/720

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 16-9-12, Exterior(2) 16-9-12 to 19-9-12, Interior(1) 19-9-12 to 29-2-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - 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 bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 730 lb uplift at joint 16 and 265 lb uplift at joint 8.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1677 lb down and 537 lb up at 3-8-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	CG	Roof Special Girder	1	2	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:40 2021 Page 2
ID:1OUQItubALAJMlaPgftmcUyoJ6G-pHnl_TCU?1Vod_UtUqGgGs2LhgE0Mxq42Tg?Hmy9Pjj

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-6=-60, 6-9=-60, 16-17=-20

Concentrated Loads (lb)

Vert: 15=-1655(F)

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	CH	Hip	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:40 2021 Page 1
 ID:10UQltubALAJMlaPgftmclUyoJ6G-pHnl_TCU?1Vod_UtUqGgGs2Keg7iMy442Tg?Hmy9Pj

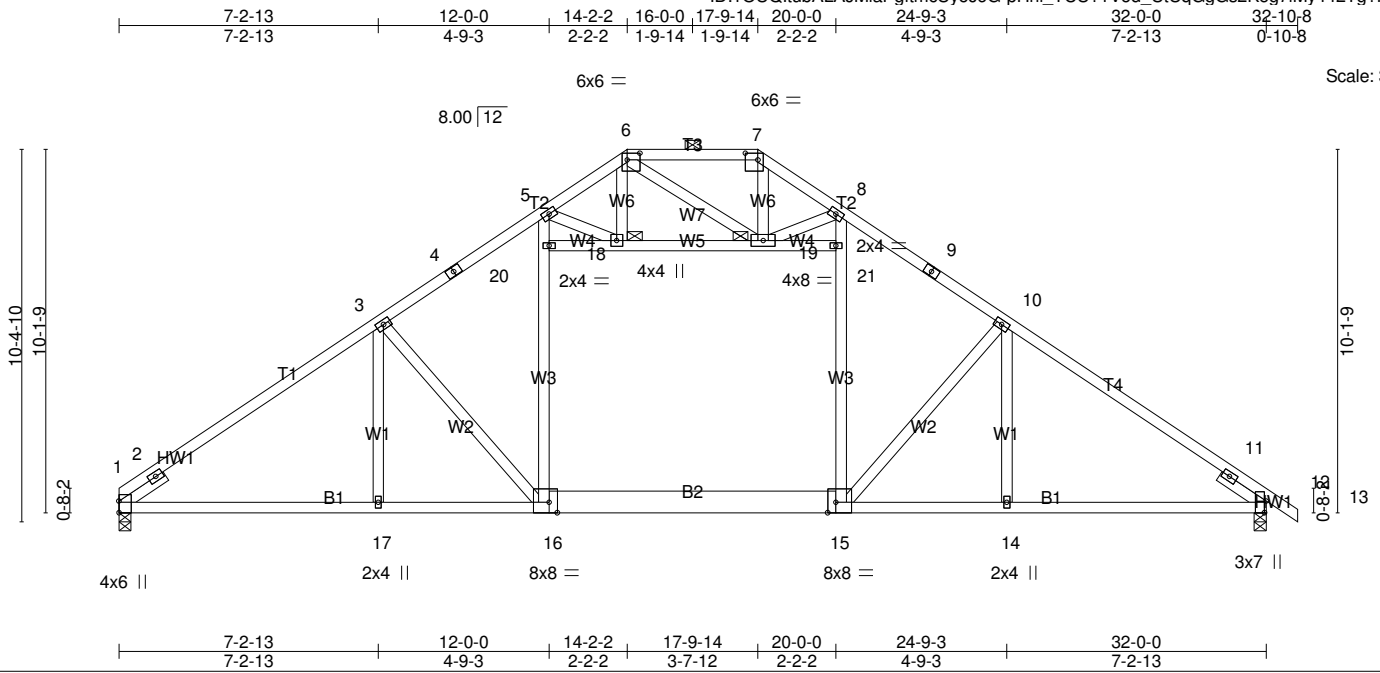


Plate Offsets (X,Y)-- [1:0-3-15,Edge], [6:0-4-4,0-2-4], [7:0-4-4,0-2-4], [12:0-3-15,Edge], [15:0-2-12,Edge], [16:0-2-12,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15	TC 0.47	Vert(LL)	0.21 16-17	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.53	Vert(CT)	-0.25 16-17	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.47	Horz(CT)	0.06 12	n/a	n/a		
BCDL 10.0	Code IBC2015/TPI2014	Matrix-MS						
							Weight: 168 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2 *Except*
 B2: 2x8 SP No.1
 WEBS 2x4 SPF Stud
 SLIDER Left 2x4 SPF Stud -δ 1-6-0, Right 2x4 SPF Stud -δ 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-8-11 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 JOINTS 1 Brace at Jt(s): 18, 19

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=1279/0-4-0 (min. 0-2-2), 12=1333/0-4-0 (min. 0-2-4)
 Max Horz 1=-191(LC 8)
 Max Uplift1=-216(LC 12), 12=-232(LC 13)
 Max Grav 1=1366(LC 20), 12=1415(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-738/0, 2-30=-1934/339, 3-30=-1850/358, 3-4=-1618/365, 4-31=-1556/375, 5-31=-1528/385, 5-6=-800/278, 6-7=-638/248, 7-8=-796/277, 8-32=-1527/382, 9-32=-1556/372, 9-10=-1618/363, 10-33=-1846/352, 11-33=-1931/329, 11-12=-725/0, 12-13=0/49
 BOT CHORD 1-17=-273/1642, 16-17=-273/1642, 15-16=-90/1317, 14-15=-184/1493, 12-14=-184/1493
 WEBS 3-17=0/224, 3-16=-486/261, 6-18=-80/316, 7-19=-89/325, 10-15=-481/260, 10-14=0/223, 16-20=-55/552, 5-20=-55/551, 15-21=-54/550, 8-21=-55/552, 18-20=-103/93, 18-19=-736/180, 19-21=-103/93, 6-19=-106/103, 5-18=-778/198, 8-19=-781/199

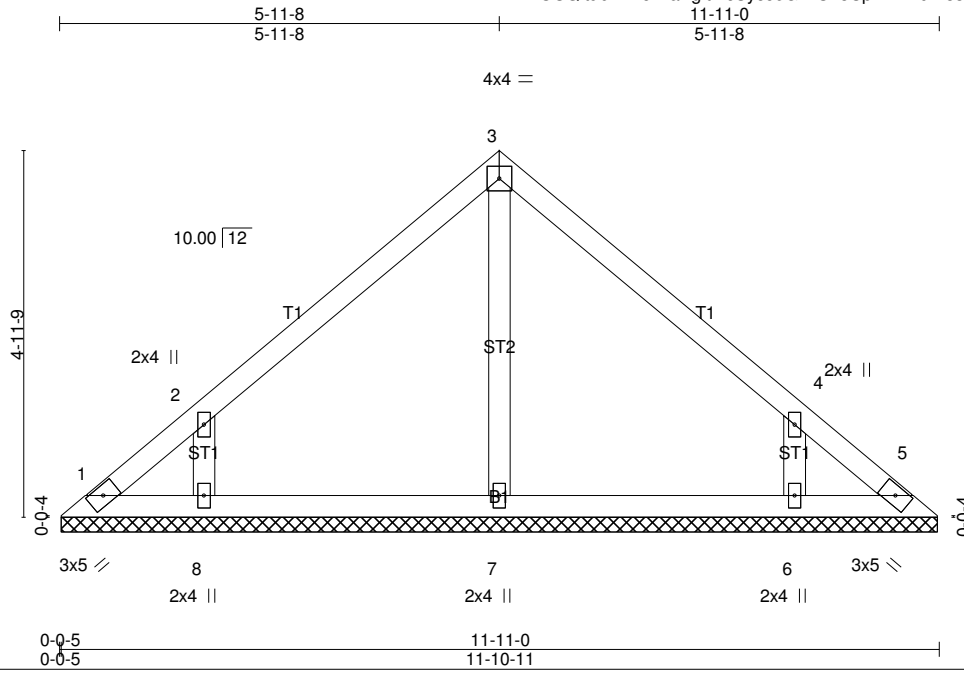
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 3-2-6, Interior(1) 3-2-6 to 14-2-2, Exterior(2) 14-2-2 to 22-4-3, Interior(1) 22-4-3 to 32-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) All plates are 3x5 MT20 unless otherwise indicated.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 216 lb uplift at joint 1 and 232 lb uplift at joint 12.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	CV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:41 2021 Page 1
ID:1OUQItubALAJMlaPgftmcUyoJ6G-HUL8CpD7mLdfF8342Ynvo3baQ3aX4VYEH7PZqCy9Pj



Scale = 1:31.2

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.14	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.10	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.07	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 5 n/a n/a		
	Code IBC2015/TPI2014			Weight: 37 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=37/11-10-6 (min. 0-1-8), 5=37/11-10-6 (min. 0-1-8), 7=241/11-10-6 (min. 0-1-8), 8=286/11-10-6 (min. 0-1-8), 6=286/11-10-6 (min. 0-1-8)
Max Horz 1=90(LC 11)
Max Uplift 1=45(LC 10), 5=29(LC 11), 8=178(LC 12), 6=178(LC 13)
Max Grav 1=75(LC 12), 5=64(LC 13), 7=241(LC 1), 8=348(LC 19), 6=348(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-115/94, 2-9=-154/78, 9-10=-107/84, 3-10=-95/98, 3-11=-95/91, 11-12=-104/77, 4-12=-136/72, 4-5=-98/68
BOT CHORD 1-8=-34/72, 7-8=-34/72, 6-7=-34/72, 5-6=-34/72
WEBS 3-7=-155/17, 2-8=-287/222, 4-6=-287/222

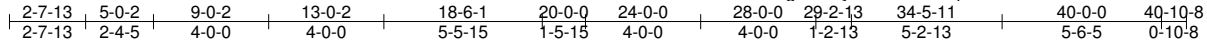
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-13 to 3-4-13, Interior(1) 3-4-13 to 5-11-8, Exterior(2) 5-11-8 to 8-11-8, Interior(1) 8-11-8 to 11-6-3 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 1, 29 lb uplift at joint 5, 178 lb uplift at joint 8 and 178 lb uplift at joint 6.
 - 7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	D	Roof Special	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:41 2021 Page 1
 ID:1OUQltubALAJMlaPgftmcUyoJ6G-HUL8CpD7mLdfF8342Ynvo3bS83Rs4JPEH7PZqCy9Pji



6x6 =

Scale = 1:80.0

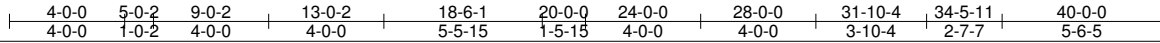
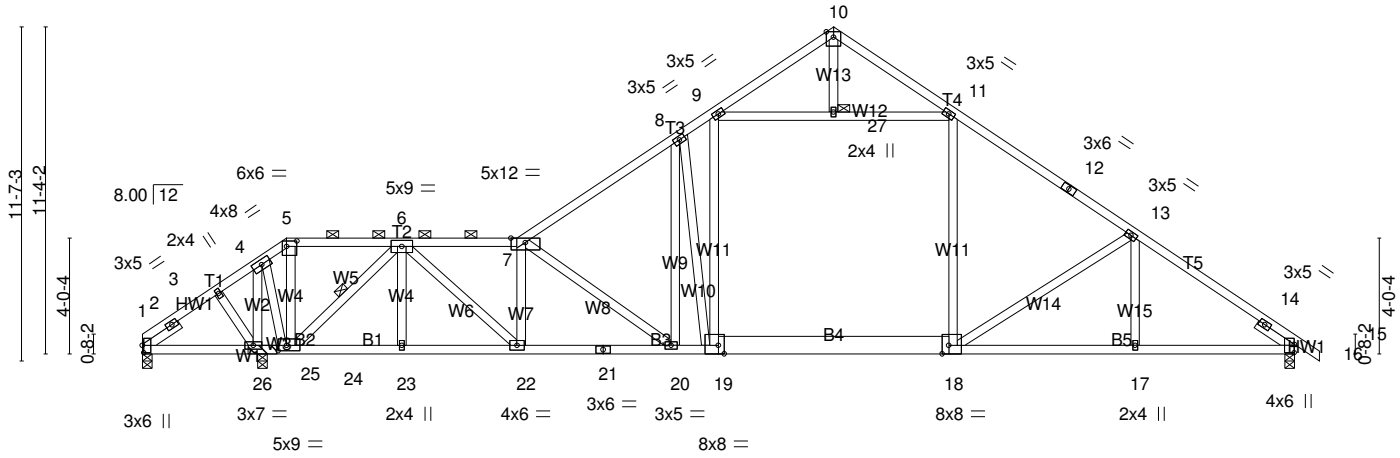


Plate Offsets (X,Y)-- [1:0-3-0,0-0-9], [5:0-4-4,0-2-4], [15:0-3-7,0-0-1], [18:0-2-12,Edge], [19:0-2-8,Edge], [24:0-3-8,0-2-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.67	Vert(LL)	0.19 19-20	>999	240	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.66	Vert(CT)	-0.27 20-22	>999	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.85	Horz(CT)	0.06 15	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 220 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2 *Except*
 B4: 2x8 SP No.1
 WEBS 2x4 SPF Stud
 SLIDER Left 2x4 SPF Stud -δ 1-6-0, Right 2x4 SPF Stud -δ 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-6-3 oc purlins, except 2-0-0 oc purlins (4-0-11 max.): 5-7.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 4-7-7 oc bracing: 1-26
 4-3-12 oc bracing: 24-26.
 WEBS 1 Row at midpt 6-24
 JOINTS 1 Brace at Jt(s): 27

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=-963/0-4-0 (min. 0-1-8), 26=2847/(0-4-0 + bearing block) (req. 0-4-15), 15=1368/0-4-0 (min. 0-2-6)
 Max Horz 1=-214(LC 10)
 Max Uplift1=-1242(LC 20), 26=-846(LC 12), 15=-273(LC 13)
 Max Grav 1=448(LC 12), 26=3129(LC 20), 15=1507(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-244/654, 2-3=-684/2044, 3-4=-680/2086, 4-5=-456/1233, 5-6=-375/1033, 6-7=-2090/511, 7-8=-1963/429,
 8-9=-1823/472, 9-10=-333/115, 10-11=-353/124, 11-12=-1720/365, 12-13=-1804/347, 13-36=-2014/396, 14-36=-2125/383,
 14-15=-827/69, 15-16=0/49
 BOT CHORD 1-26=-1418/438, 25-26=-1650/537, 24-25=-1650/537, 23-24=-152/771, 22-23=-152/771, 21-22=-262/1894,
 20-21=-262/1894, 19-20=-120/1453, 18-19=-74/1353, 17-18=-232/1677, 15-17=-232/1677
 WEBS 3-26=-407/174, 5-24=-787/321, 6-24=-1973/405, 6-23=0/169, 6-22=-282/1637, 7-22=-1004/254, 7-20=-574/249,
 8-20=-71/357, 8-19=-592/300, 10-27=-28/101, 13-17=0/188, 4-26=-2443/633, 4-24=-538/2124, 13-18=-401/218,
 9-19=-154/757, 11-18=0/480, 9-27=-1291/366, 11-27=-1291/366

- NOTES-**
- 2x4 SPF No.2 bearing block 12" long at jt. 26 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF 1650F 1.5E.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 4-0-0, Interior(1) 4-0-0 to 5-0-2, Exterior(2) 5-0-2 to 9-0-2, Interior(1) 9-0-2 to 24-0-0, Exterior(2) 24-0-0 to 28-1-12, Interior(1) 28-1-12 to 40-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - 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 bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1242 lb uplift at joint 1, 846 lb uplift at joint 26 and 273 lb uplift at joint 15.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	D	Roof Special	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:41 2021 Page 2
ID:1OUQltubALAJMlaPgftmcUyoJ6G-HUL8CpD7mLdfF8342Ynvo3bS83Rs4JPEH7PZqCy9Pji

NOTES-

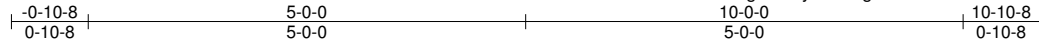
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 11) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	DG	Common Girder	1	1	Job Reference (optional)

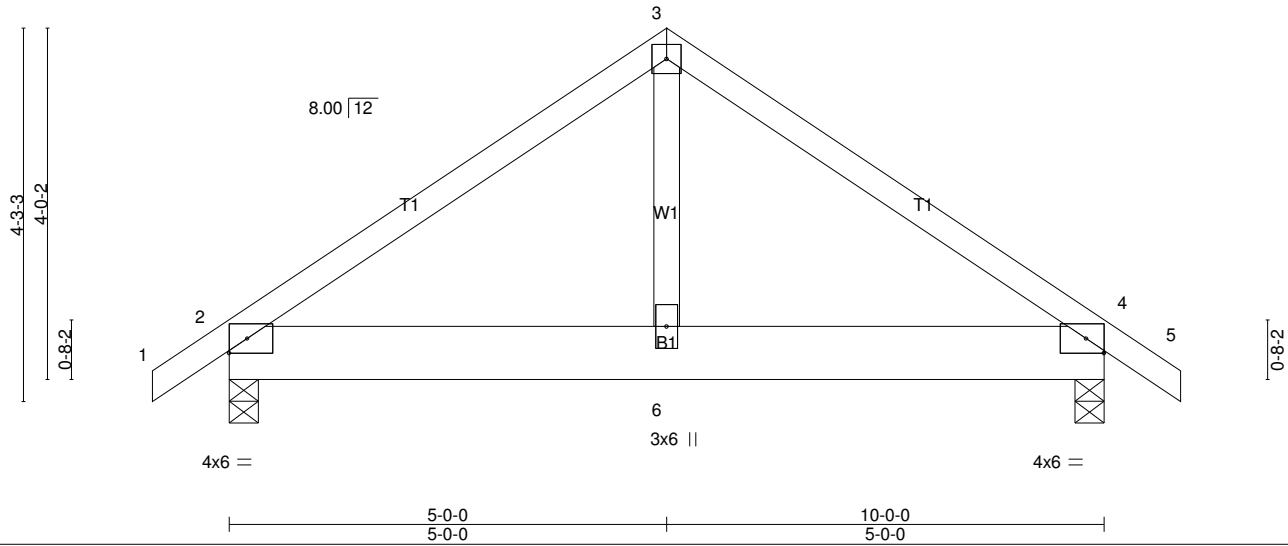
84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:42 2021 Page 1
ID:1OUQItubALAJMlaPgftmcUyoJ6G-igvWP9DIxelWslcGbF18LH8kvTv3px4NVn96Mfy9Pjh



4x4 =

Scale = 1:26.3



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.22	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.15	Vert(LL) -0.01 6-12 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.18	Vert(CT) -0.02 6-12 >999 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.00 4 n/a n/a		
	Code IBC2015/TPI2014			Weight: 51 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x8 SP No.1
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=644/0-4-0 (min. 0-1-8), 4=660/0-4-0 (min. 0-1-8)
Max Horz 2=-76(LC 30)
Max Uplift 2=-100(LC 12), 4=-62(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-13=-695/94, 3-13=-613/108, 3-14=-613/108, 4-14=-695/88, 4-5=0/49
BOT CHORD 2-15=-10/510, 15-16=-10/510, 6-16=-10/510, 6-17=-10/510, 17-18=-10/510, 4-18=-10/510
WEBS 3-6=0/425

- NOTES-**
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-10-8 to 2-1-8, Interior(1) 2-1-8 to 5-0-0, Exterior(2) 5-0-0 to 8-0-0, Interior(1) 8-0-0 to 10-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 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 bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint 2 and 62 lb uplift at joint 4.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 104 lb down and 53 lb up at 2-2-14, 98 lb down at 4-2-14, and 98 lb down at 6-2-14, and 98 lb down at 8-2-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 7-10=-20
Concentrated Loads (lb)
Vert: 15=-104(B) 16=-98(B) 17=-98(B) 18=-98(B)

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	DH	Hip	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:42 2021 Page 1
ID:1OUQltubALAJMlaPgftmcUyoJ6G-IgvWP9DIXelWslcGbF18LH8fINToxpsQNVn96Mfy9Pjh

0-10-8	5-11-13	11-8-2	16-0-0	20-3-14	26-0-3	32-0-0	32-10-8
0-10-8	5-11-13	5-8-5	4-3-14	4-3-14	5-8-5	5-11-13	0-10-8

Scale = 1:55.9

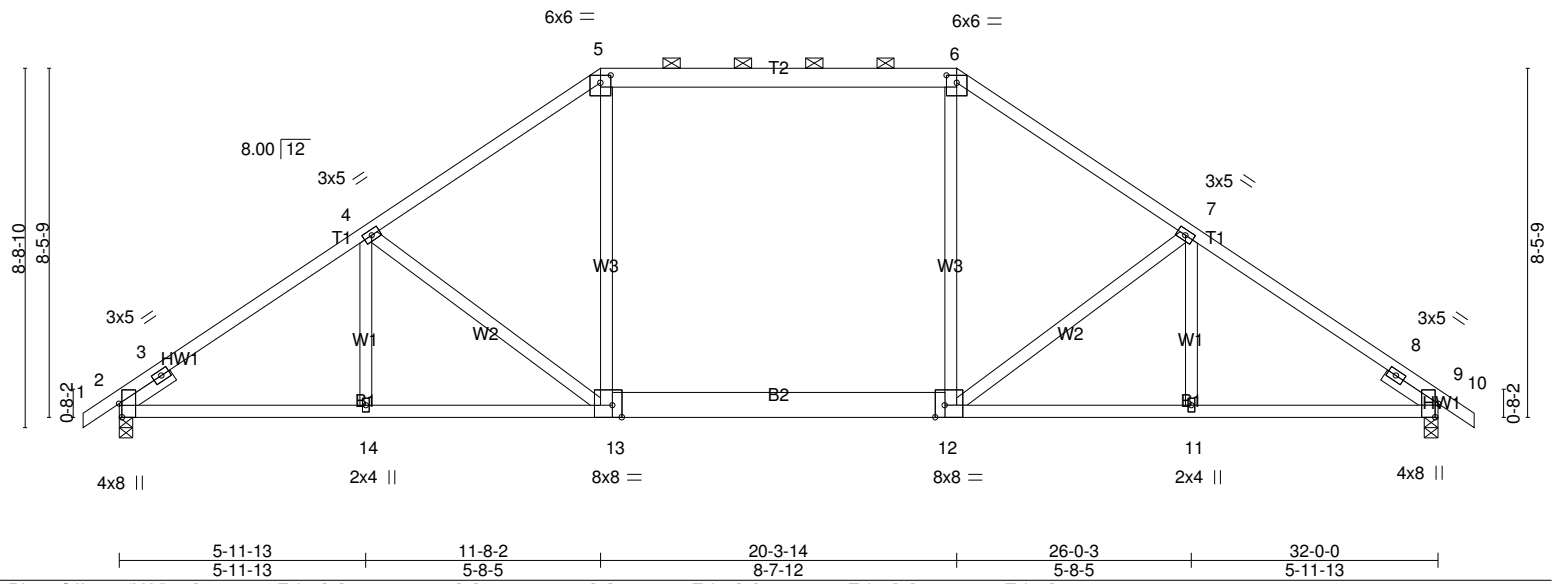


Plate Offsets (X,Y)-- [2:0-3-15,Edge], [5:0-3-0,0-2-3], [6:0-3-0,0-2-3], [9:0-3-15,Edge], [12:0-2-12,Edge], [13:0-2-12,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.51	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.60	Vert(LL) 0.33 13-14 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.48	Vert(CT) -0.37 13-14 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.07 9 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 149 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 *Except* T2: 2x6 SPF 1650F 1.5E	TOP CHORD Structural wood sheathing directly applied or 3-6-10 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD 2x4 SPF No.2 *Except* B2: 2x8 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF Stud	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
SLIDER Left 2x4 SPF Stud -δ 1-6-0, Right 2x4 SPF Stud -δ 1-6-0	

REACTIONS. (lb/size) 2=1332/0-4-0 (min. 0-2-3), 9=1332/0-4-0 (min. 0-2-3)
Max Horz 2=162(LC 10)
Max Uplift 2=-218(LC 12), 9=-218(LC 13)
Max Grav 2=1376(LC 20), 9=1376(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-721/30, 3-23=-1907/346, 4-23=-1785/366, 4-24=-1568/355, 5-24=-1497/378, 5-25=-1264/364, 25-26=-1264/364, 6-26=-1264/364, 6-27=-1497/378, 7-27=-1568/355, 7-28=-1785/366, 8-28=-1908/346, 8-9=-721/30, 9-10=0/49
BOT CHORD 2-14=-262/1614, 13-14=-262/1614, 12-13=-92/1267, 11-12=-215/1492, 9-11=-215/1492
WEBS 4-14=0/200, 4-13=-450/250, 5-13=-7/488, 6-12=-7/488, 7-12=-450/251, 7-11=0/200

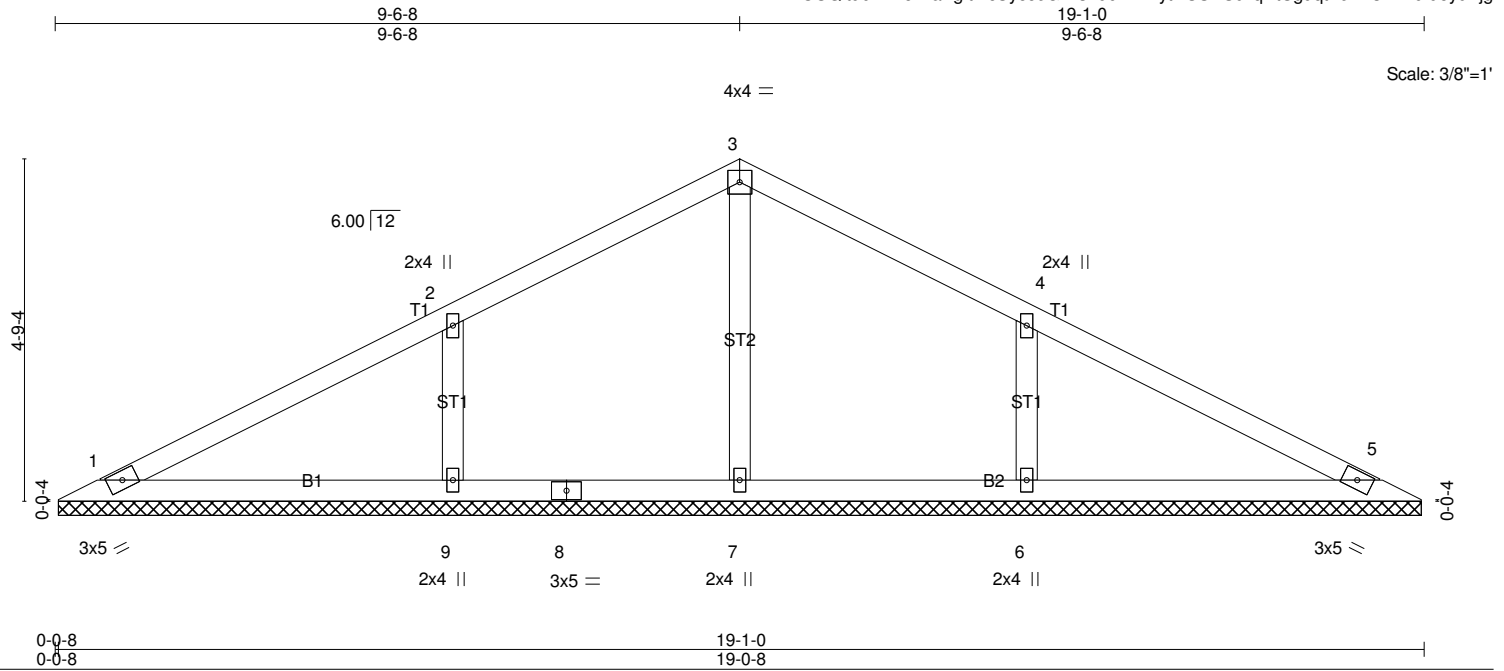
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-3-14, Interior(1) 2-3-14 to 11-8-2, Exterior(2) 11-8-2 to 16-2-7, Interior(1) 16-2-7 to 20-3-14, Exterior(2) 20-3-14 to 24-10-3, Interior(1) 24-10-3 to 32-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 218 lb uplift at joint 2 and 218 lb uplift at joint 9.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	DV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:43 2021 Page 1
ID:1OUQltubALA.JMlaPgftmcUyoJ6G-DsTudVENlytNUSDS9zqNtUguqtF6YPsXkRufu5y9Pjg



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2015/TPI2014	TC 0.28 BC 0.16 WB 0.08 Matrix-S	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 5 n/a n/a	MT20	197/144
TCDL 10.0				Weight: 54 lb	FT = 20%
BCLL 0.0 *					
BCDL 10.0					

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=167/19-0-0 (min. 0-2-4), 5=167/19-0-0 (min. 0-2-4), 7=223/19-0-0 (min. 0-2-4), 9=435/19-0-0 (min. 0-2-4), 6=435/19-0-0 (min. 0-2-4)
Max Horz 1=58(LC 14)
Max Uplift 1=-23(LC 15), 5=-25(LC 15), 9=-159(LC 14), 6=-159(LC 15)
Max Grav 1=167(LC 1), 5=167(LC 1), 7=223(LC 1), 9=456(LC 20), 6=456(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-10=-83/29, 2-10=-42/72, 2-11=-97/96, 3-11=-64/109, 3-12=-64/105, 4-12=-97/92, 4-13=-18/56, 5-13=-65/5
BOT CHORD 1-9=-18/61, 8-9=-18/61, 7-8=-18/61, 6-7=-18/61, 5-6=-18/61
WEBS 3-7=-164/10, 2-9=-341/212, 4-6=-341/212

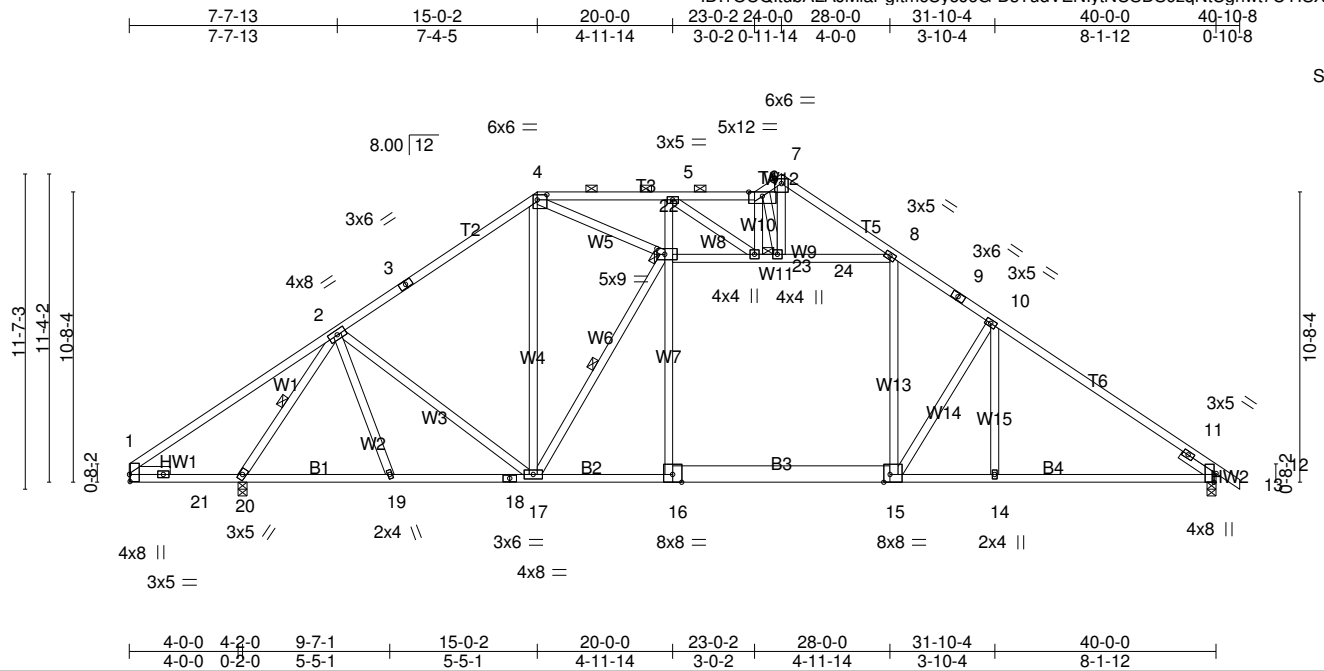
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-7-9 to 3-7-9, Interior(1) 3-7-9 to 9-6-8, Exterior(2) 9-6-8 to 12-6-8, Interior(1) 12-6-8 to 18-5-7 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 1, 25 lb uplift at joint 5, 159 lb uplift at joint 9 and 159 lb uplift at joint 6.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	E	Roof Special	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:43 2021 Page 1
ID:1OUQltubALAJMlaPgftmcUyoJ6G-DsTudVENlytNUSDS9zqNtUgnwt7CYISXkRufu5y9Pjg



Scale = 1:84.8

Plate Offsets (X,Y)-- [1:0-3-2,0-0-5], [4:0-4-4,0-2-4], [12:0-3-15,Edge], [15:0-2-12,Edge], [22:0-3-8,0-2-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.72	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.67	Vert(LL) -0.11 15-16 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.56	Vert(CT) -0.20 14-31 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.06 12 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 226 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
B3: 2x8 SP No.1
WEBS 2x4 SPF Stud
SLIDER Left 2x4 SPF Stud - δ 1-6-0, Right 2x4 SPF Stud - δ 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 1-20.
WEBS 1 Row at midpt 2-20, 17-22
JOINTS 1 Brace at Jt(s): 22, 23

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 20=1781/0-4-0 (min. 0-2-14), 12=1472/0-4-0 (min. 0-2-10)
Max Horz 20=-214(LC 8)
Max Uplift 20=-285(LC 12), 12=-257(LC 13)
Max Grav 20=1826(LC 20), 12=1669(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-33=-127/260, 2-33=-97/394, 2-3=-1464/321, 3-34=-1370/333, 4-34=-1348/352, 4-35=-825/437, 5-35=-825/437, 5-6=-678/285, 6-7=-582/224, 7-8=-667/227, 8-9=-1947/416, 9-10=-1985/400, 10-36=-2213/373, 11-36=-2311/349, 11-12=-823/0, 12-13=0/49
BOT CHORD 1-21=-431/691, 20-21=-229/181, 19-20=-184/979, 18-19=-155/1009, 17-18=-155/1009, 17-37=-99/1511, 16-37=-99/1511, 15-16=-96/1526, 14-15=-189/1793, 14-38=-189/1793, 12-38=-189/1793
WEBS 2-20=-1915/428, 2-19=0/222, 2-17=-86/352, 4-17=-224/806, 17-22=-1031/313, 6-23=-90/99, 10-15=-563/247, 10-14=0/254, 16-22=0/415, 5-22=-256/206, 8-15=-111/642, 22-23=-1202/514, 23-24=-1133/376, 8-24=-1232/355, 4-22=-750/410, 5-23=-187/192, 6-24=-489/268, 7-24=-249/500

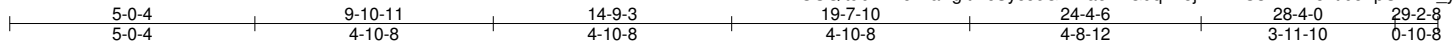
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 4-0-0, Interior(1) 4-0-0 to 15-0-2, Exterior(2) 15-0-2 to 19-0-2, Interior(1) 19-0-2 to 24-0-0, Exterior(2) 24-0-0 to 28-1-12, Interior(1) 28-1-12 to 40-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 285 lb uplift at joint 20 and 257 lb uplift at joint 12.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	EG	Roof Special Girder	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:45 2021 Page 1
ID:1OUQItubALAJMlaPgftmcUyoJ6G-AFae1AGdqZ75jmNrHOSrzvmB5htl05FpCINmz_y9Pje



Scale = 1:47.1

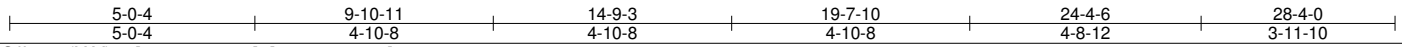
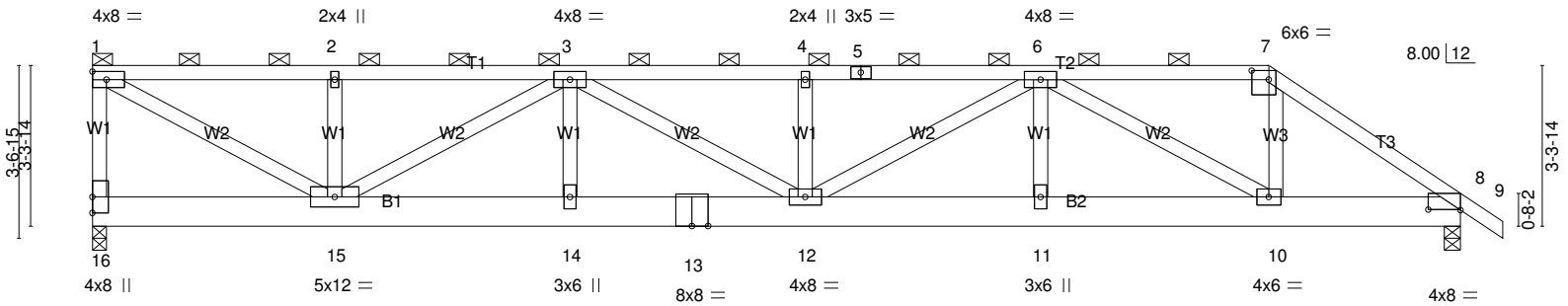


Plate Offsets (X,Y)-- [7:0-4-4,0-2-4], [8:0-8-0,0-0-2]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.48	Vert(LL)	0.24	12	>999	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.41	Vert(CT)	-0.30	12	>999		
TCDL 10.0	Lumber DOL 1.15	WB 0.99	Horz(CT)	0.04	8	n/a		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MS						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 168 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x8 SP No.1
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-9 oc purlins, except end verticals, and 2-0-0 oc purlins (3-0-8 max.): 1-7.
BOT CHORD Rigid ceiling directly applied or 7-1-12 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 16=1322/0-3-8 (min. 0-2-4), 8=1359/0-4-0 (min. 0-2-3)
Max Horz 16=-92(LC 31)
Max Uplift 16=-692(LC 8), 8=-612(LC 8)
Max Grav 16=1417(LC 41), 8=1405(LC 41)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-16=-1318/677, 1-20=-1980/1011, 20-21=-1980/1011, 21-22=-1980/1011, 2-22=-1980/1011, 2-23=-1980/1011, 23-24=-1980/1011, 3-24=-1980/1011, 3-25=-3411/1715, 25-26=-3411/1715, 4-26=-3411/1715, 4-5=-3411/1715, 5-27=-3411/1715, 6-27=-3411/1715, 6-28=-1606/813, 28-29=-1606/813, 29-30=-1606/813, 30-31=-1606/813, 7-31=-1606/813, 7-32=-1989/963, 32-33=-1990/955, 8-33=-2041/949, 8-9=0/49
BOT CHORD 16-34=-110/128, 34-35=-110/128, 15-35=-110/128, 15-36=-1580/3176, 36-37=-1580/3176, 14-37=-1580/3176, 14-38=-1580/3176, 13-38=-1580/3176, 13-39=-1580/3176, 12-39=-1580/3176, 12-40=-1454/2981, 40-41=-1454/2981, 11-41=-1454/2981, 11-42=-1454/2981, 42-43=-1454/2981, 43-44=-1454/2981, 10-44=-1454/2981, 10-45=-754/1655, 8-45=-754/1655
WEBS 1-15=-1125/2224, 2-15=-353/272, 3-15=-1381/708, 3-14=-29/278, 3-12=-139/283, 4-12=-336/262, 6-12=-267/508, 6-11=-14/274, 6-10=-1595/835, 7-10=-372/871

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 24-4-6, Exterior(2) 24-4-6 to 27-4-6, Interior(1) 27-4-6 to 29-2-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 692 lb uplift at joint 16 and 612 lb uplift at joint 8.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	EG	Roof Special Girder	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:45 2021 Page 2
ID:1OUQItubALAJMlaPgftmcUyoJ6G-AFae1AGdqZ75jmNrHOSrzvmB5htl05FpCINmz_y9PJe

NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 72 lb down and 39 lb up at 0-1-12, 101 lb down and 103 lb up at 2-0-12, 100 lb down and 103 lb up at 4-0-12, 100 lb down and 103 lb up at 6-0-12, 100 lb down and 103 lb up at 8-0-12, 100 lb down and 103 lb up at 10-0-12, 105 lb down and 110 lb up at 12-0-12, 105 lb down and 110 lb up at 14-0-12, 105 lb down and 110 lb up at 16-0-12, 100 lb down and 103 lb up at 18-0-12, 100 lb down and 103 lb up at 20-0-12, 100 lb down and 103 lb up at 22-0-12, and 98 lb down and 108 lb up at 24-0-12, and 26 lb down and 57 lb up at 26-0-12 on top chord, and 30 lb down and 24 lb up at 2-0-12, 30 lb down and 24 lb up at 4-0-12, 30 lb down and 24 lb up at 6-0-12, 30 lb down and 24 lb up at 8-0-12, 30 lb down and 24 lb up at 10-0-12, 28 lb down and 21 lb up at 12-0-12, 28 lb down and 21 lb up at 14-0-12, 28 lb down and 21 lb up at 16-0-12, 30 lb down and 24 lb up at 18-0-12, 30 lb down and 24 lb up at 20-0-12, 30 lb down and 24 lb up at 22-0-12, and 30 lb down and 24 lb up at 24-0-12, and 63 lb down and 53 lb up at 26-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-7=-60, 7-9=-60, 16-17=-20

Concentrated Loads (lb)

Vert: 1=-38 5=-17(B) 3=-13(B) 14=-9(B) 20=-13(B) 22=-13(B) 23=-13(B) 24=-13(B) 25=-17(B) 26=-17(B) 27=-13(B) 28=-13(B) 30=-13(B) 31=-13(B) 34=-9(B) 35=-9(B) 36=-9(B) 37=-9(B) 38=-15(B) 39=-15(B) 40=-15(B) 41=-9(B) 42=-9(B) 43=-9(B) 44=-9(B) 45=-51(B)

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	EH	Hip	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:45 2021 Page 1
 ID:1OUQItubALAJMlaPgftmcUyoJ6G-AFae1AGdqZ75jmNrH0srzvm7Shpi0AtpCINmz_y9Pje

0-10-8	4-8-13	9-2-2	12-0-0	16-0-0	20-0-0	22-9-14	27-3-3	32-0-0	32-10-8
0-10-8	4-8-13	4-5-5	2-9-14	4-0-0	4-0-0	2-9-14	4-5-5	4-8-13	0-10-8

Scale = 1:55.4

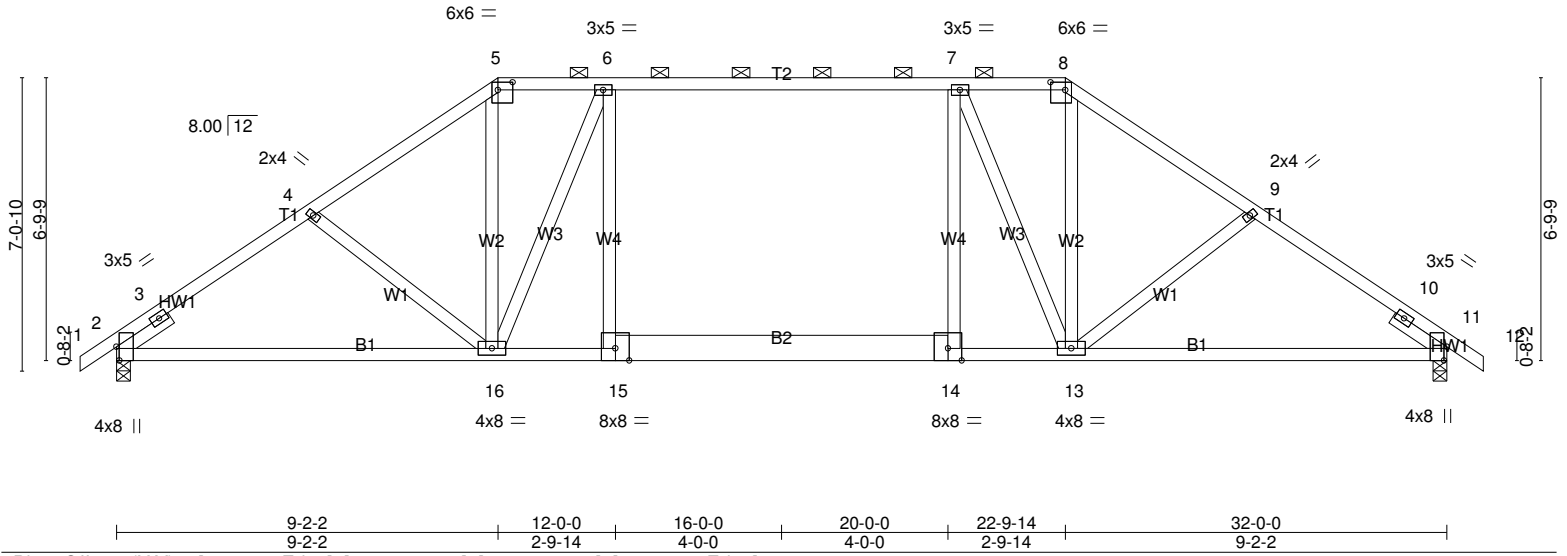


Plate Offsets (X,Y)--	[2:0-3-15,Edge], [5:0-4-4,0-2-4], [8:0-4-4,0-2-4], [11:0-3-15,Edge]				
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.72	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.66	Vert(LL) 0.15 15-16 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.69	Vert(CT) -0.24 13-23 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.07 11 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 155 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2 *Except*
 B2: 2x8 SP No.1
 WEBS 2x4 SPF Stud
 SLIDER Left 2x4 SPF Stud -∅ 1-6-0, Right 2x4 SPF Stud -∅ 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-9-11 oc purlins, except 2-0-0 oc purlins (3-5-6 max.): 5-8.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1332/0-4-0 (min. 0-2-1), 11=1332/0-4-0 (min. 0-2-1)
 Max Horz 2=130(LC 11)
 Max Uplift 2=201(LC 12), 11=201(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-3=-947/0, 3-25=-1833/386, 4-25=-1757/403, 4-5=-1651/377, 5-6=-1315/354, 6-26=-1548/414, 26-27=-1548/414, 7-27=-1548/414, 7-8=-1315/354, 8-9=-1651/377, 9-28=-1757/403, 10-28=-1833/386, 10-11=-947/0, 11-12=0/49
 BOT CHORD 2-16=-277/1536, 15-16=-228/1574, 14-15=-225/1579, 13-14=-225/1573, 11-13=-254/1464
 WEBS 4-16=-263/188, 5-16=-152/774, 6-16=-687/304, 7-13=-687/304, 8-13=-152/774, 9-13=-263/188, 6-15=-22/276, 7-14=-22/276

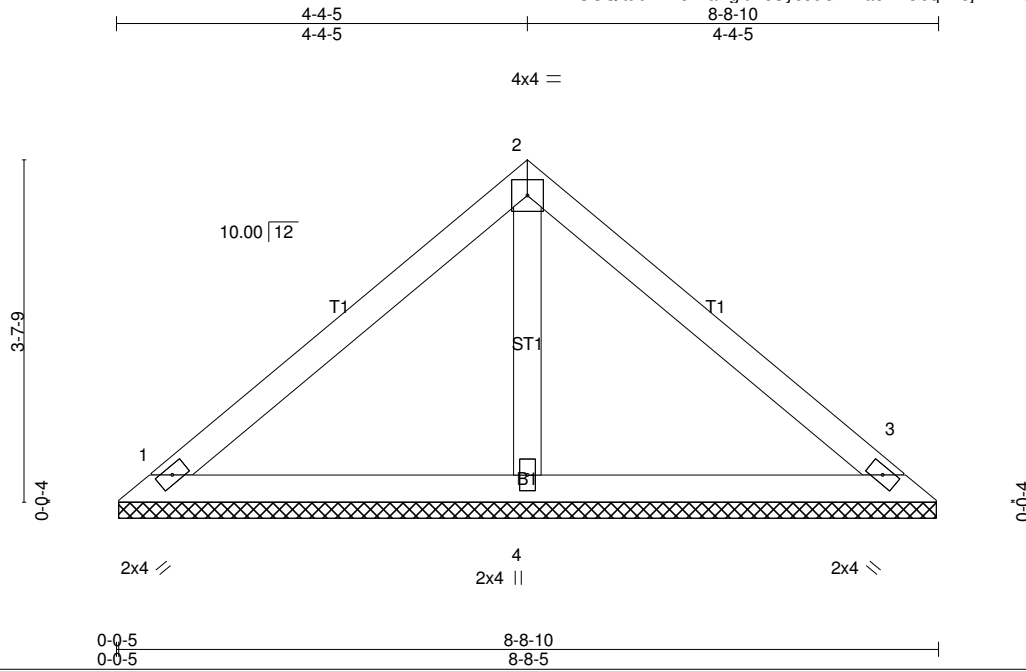
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-10-8 to 2-3-14, Interior(1) 2-3-14 to 9-2-2, Exterior(2) 9-2-2 to 13-8-7, Interior(1) 13-8-7 to 22-9-14, Exterior(2) 22-9-14 to 27-4-10, Interior(1) 27-4-10 to 32-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 201 lb uplift at joint 2 and 201 lb uplift at joint 11.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	EV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:45 2021 Page 1
ID:1OUQUltubALAJMlaPgtmclUyoJ6G-AFae1AGdqZ75jmNrhOSrzmEehx?0KvpCINmz_y9PJe



Scale = 1:24.4

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.26	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.13	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.05	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 3 n/a n/a		
	Code IBC2015/TPI2014			Weight: 25 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

BRACING-
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=184/8-8-0 (min. 0-1-8), 3=184/8-8-0 (min. 0-1-8), 4=266/8-8-0 (min. 0-1-8)
Max Horz 1=-64(LC 10)
Max Uplift1=-54(LC 12), 3=-62(LC 13)
Max Grav 1=184(LC 1), 3=188(LC 20), 4=266(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-5=-129/52, 5-6=-79/58, 2-6=-53/66, 2-7=-53/57, 7-8=-66/49, 3-8=-116/43
BOT CHORD 1-4=-17/50, 3-4=-17/50
WEBS 2-4=-167/62

NOTES-

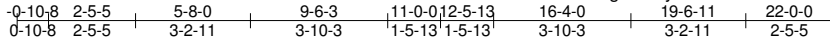
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-13 to 3-4-13, Interior(1) 3-4-13 to 4-4-5, Exterior(2) 4-4-5 to 7-4-5, Interior(1) 7-4-5 to 8-3-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 54 lb uplift at joint 1 and 62 lb uplift at joint 3.
- 7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	F	ATTIC	3	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:46 2021 Page 1
 ID:1OUQItubALAJMlaPgftmcUyoJ6G-eR81FWGFbtGyLvx1q5N4V7IH4AolgmzQP7JVQy9Pjd



5x9 =

Scale: 3/16"=1'

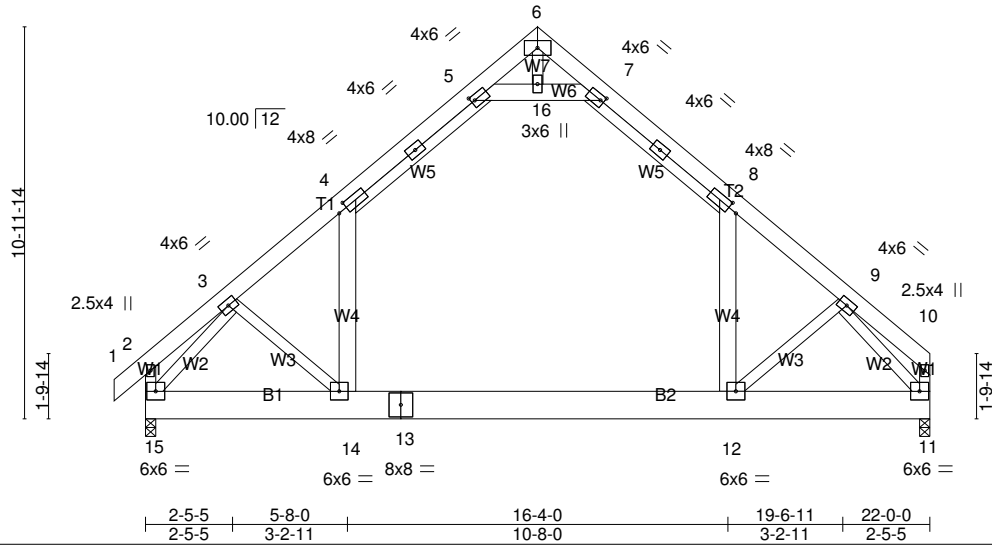


Plate Offsets (X,Y)-- [4:0-3-1,0-2-0], [5:0-1-3,0-1-12], [7:0-1-3,0-1-12], [8:0-3-1,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.80	Vert(LL)	-0.20 12-14	>999	240	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.61	Vert(CT)	-0.33 12-14	>801	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.46	Horz(CT)	0.01 11	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Attic	-0.10 12-14	1330	360		
BCDL 10.0	Code IBC2015/TPI2014						Weight: 197 lb	FT = 20%

LUMBER-
 TOP CHORD 2x6 SPF 1650F 1.5E
 BOT CHORD 2x10 SP No.1
 WEBS 2x4 SPF Stud *Except*
 W6,W4: 2x6 SPF 1650F 1.5E

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-11-3 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 15=1096/0-3-8 (min. 0-2-3), 11=1032/0-3-8 (min. 0-2-1)
 Max Horz 15=222(LC 11)
 Max Uplift 15=-33(LC 12), 11=-16(LC 13)
 Max Grav 15=1389(LC 21), 11=1330(LC 22)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/65, 2-3=-117/72, 3-4=-1540/59, 4-17=-985/143, 5-17=-864/153, 5-6=-30/529, 6-7=-30/529, 7-18=-864/154,
 8-18=-984/143, 8-19=-1443/58, 9-19=-1541/45, 9-10=-93/54, 2-15=-136/103, 10-11=-60/43
 BOT CHORD 14-15=-64/1071, 13-14=0/978, 12-13=0/978, 11-12=-12/986
 WEBS 5-16=-1684/204, 7-16=-1684/204, 4-14=0/721, 8-12=0/723, 3-14=-146/182, 9-12=-150/181, 6-16=0/110, 3-15=-1593/0,
 9-11=-1596/12

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TC DL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-3-0, Interior(1) 2-3-0 to 11-0-0, Exterior(2) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 21-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-16, 7-16; Wall dead load (5.0psf) on member(s). 4-14, 8-12
 - 7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-14
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 15 and 16 lb uplift at joint 11.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	F1	ATTIC	4	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:46 2021 Page 1
 ID:1OUQItubALAJMlaPgftmcUyoJ6G-eR81FWGFbtGyLv1q5N4V7IH4AolgqzQP7JVQy9Pjd

-0-10-8 2-5-5 5-8-0 9-6-3 11-0-0 12-5-13 16-4-0 19-6-11 22-0-0 22-10-8
 0-10-8 2-5-5 3-2-11 3-10-3 1-5-13 1-5-13 3-10-3 3-2-11 2-5-5 0-10-8

5x9 =

Scale: 3/16"=1'

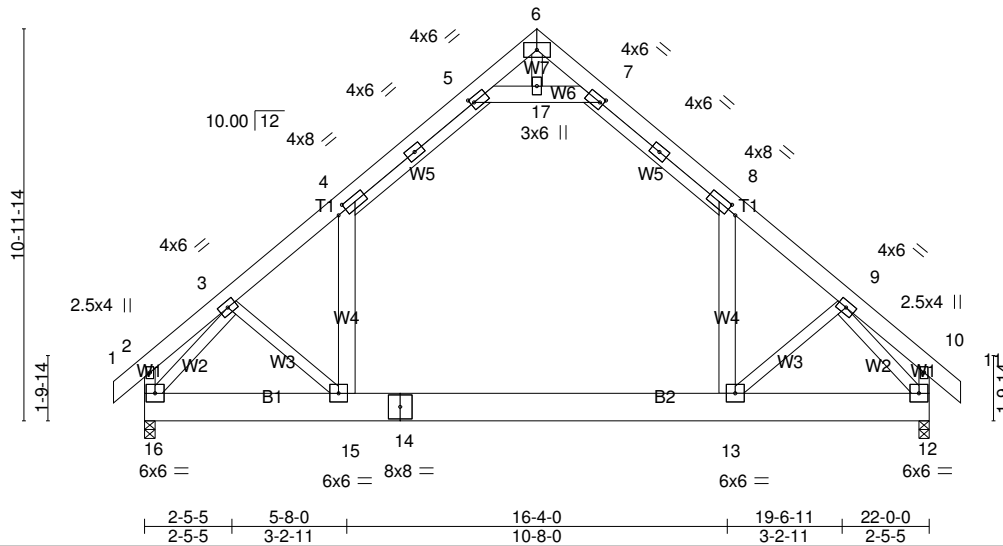


Plate Offsets (X,Y)-- [4:0-3-1,0-2-0], [5:0-1-3,0-1-12], [7:0-1-3,0-1-12], [8:0-3-1,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.80	Vert(LL)	-0.20 13-15	>999	240	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.61	Vert(CT)	-0.33 13-15	>801	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.45	Horz(CT)	0.01 12	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Attic	-0.10 13-15	1330	360		
BCDL 10.0	Code IBC2015/TPI2014						Weight: 199 lb	FT = 20%

LUMBER-
 TOP CHORD 2x6 SPF 1650F 1.5E
 BOT CHORD 2x10 SP No.1
 WEBS 2x4 SPF Stud *Except*
 W6,W4: 2x6 SPF 1650F 1.5E

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-11-3 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 16=1095/0-3-8 (min. 0-2-3), 12=1095/0-3-8 (min. 0-2-3)
 Max Horz 16=227(LC 11)
 Max Uplift 16=-33(LC 12), 12=-33(LC 13)
 Max Grav 16=1387(LC 21), 12=1387(LC 22)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/65, 2-3=-117/72, 3-4=-1538/60, 4-18=-983/143, 5-18=-863/154, 5-6=-30/527, 6-7=-31/528, 7-19=-863/154,
 8-19=-983/143, 8-9=-1537/59, 9-10=-117/72, 10-11=0/65, 2-16=-136/103, 10-12=-136/103
 BOT CHORD 15-16=-53/1078, 14-15=0/984, 13-14=0/984, 12-13=0/985
 WEBS 5-17=-1681/203, 7-17=-1681/203, 4-15=0/721, 8-13=0/721, 3-15=-146/182, 9-13=-146/183, 6-17=0/110, 3-16=-1591/1,
 9-12=-1590/0

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-3-0, Interior(1) 2-3-0 to 11-0-0, Exterior(2) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 22-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-17, 7-17; Wall dead load (5.0psf) on member(s).4-15, 8-13
 - 7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-15
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 16 and 33 lb uplift at joint 12.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	FGE	Common Supported Gable	1	1	Job Reference (optional)

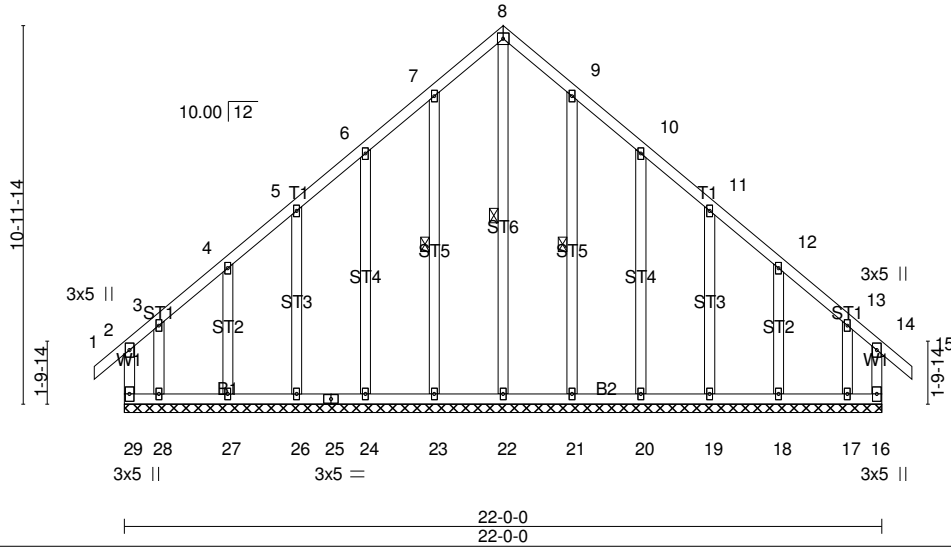
84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:47 2021 Page 1
ID:1OUQltubALAJMlaPgftmclUyoJ6G-6eiPSsHtLBOPz3WDOouJ2KratUcKUA36f3st1sy9Pjc

-0-10;8 11-0-0 22-0-0 22-10;8
0-10-8 11-0-0 11-0-0 0-10-8

4x4 =

Scale = 1:66.9



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.27	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.14	Vert(LL) -0.00 14 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.26	Vert(CT) -0.00 14 n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-R	Horz(CT) -0.00 16 n/a n/a		
	Code IBC2015/TPI2014			Weight: 138 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 8-22, 7-23, 9-21

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 29=107/22-0-0 (min. 0-2-15), 16=107/22-0-0 (min. 0-2-15), 22=152/22-0-0 (min. 0-2-15), 23=167/22-0-0 (min. 0-2-15), 24=159/22-0-0 (min. 0-2-15), 26=159/22-0-0 (min. 0-2-15), 27=167/22-0-0 (min. 0-2-15), 28=95/22-0-0 (min. 0-2-15), 21=167/22-0-0 (min. 0-2-15), 20=159/22-0-0 (min. 0-2-15), 19=159/22-0-0 (min. 0-2-15), 18=167/22-0-0 (min. 0-2-15), 17=95/22-0-0 (min. 0-2-15)
Max Horz 29=237(LC 11)
Max Uplift 29=-274(LC 10), 16=-247(LC 11), 22=-44(LC 11), 23=-74(LC 12), 24=-101(LC 12), 26=-92(LC 12), 27=-83(LC 12), 28=-304(LC 9), 21=-73(LC 13), 20=-101(LC 13), 19=-92(LC 13), 18=-84(LC 13), 17=-285(LC 8)
Max Grav 29=318(LC 9), 16=292(LC 8), 22=390(LC 13), 23=194(LC 20), 24=191(LC 20), 26=192(LC 20), 27=184(LC 20), 28=373(LC 10), 21=193(LC 21), 20=191(LC 21), 19=191(LC 21), 18=185(LC 21), 17=352(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-29=-205/172, 1-2=0/65, 2-3=-191/190, 3-4=-129/137, 4-5=-137/186, 5-6=-198/245, 6-7=-275/333, 7-8=-335/399, 8-9=-335/399, 9-10=-275/333, 10-11=-198/245, 11-12=-129/182, 12-13=-117/126, 13-14=-173/172, 14-15=0/65, 14-16=-192/156
BOT CHORD 28-29=-136/133, 27-28=-136/133, 26-27=-136/133, 25-26=-136/133, 24-25=-136/133, 23-24=-136/133, 22-23=-136/133, 21-22=-136/133, 20-21=-136/133, 19-20=-136/133, 18-19=-136/133, 17-18=-136/133, 16-17=-136/133
WEBS 8-22=-429/296, 7-23=-154/97, 6-24=-160/126, 5-26=-150/114, 4-27=-156/117, 3-28=-195/179, 9-21=-153/97, 10-20=-160/126, 11-19=-149/114, 12-18=-156/117, 13-17=-186/170

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 11-0-0, Corner(3) 11-0-0 to 14-0-0, Exterior(2) 14-0-0 to 22-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 4) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 5) All plates are 2x4 MT20 unless otherwise indicated.
 - 6) Gable requires continuous bottom chord bearing.
 - 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 8) Gable studs spaced at 2-0-0 oc.
 - 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	FGE	Common Supported Gable	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:47 2021 Page 2
ID:1OUQltubALAJMlaPgftmclUyoJ6G-6eiPSsHtLBOPz3WDOouJ2KratUcKUA36f3st1sy9Pjc

NOTES-

- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 274 lb uplift at joint 29, 247 lb uplift at joint 16, 44 lb uplift at joint 22, 74 lb uplift at joint 23, 101 lb uplift at joint 24, 92 lb uplift at joint 26, 83 lb uplift at joint 27, 304 lb uplift at joint 28, 73 lb uplift at joint 21, 101 lb uplift at joint 20, 92 lb uplift at joint 19, 84 lb uplift at joint 18 and 285 lb uplift at joint 17.
- 12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

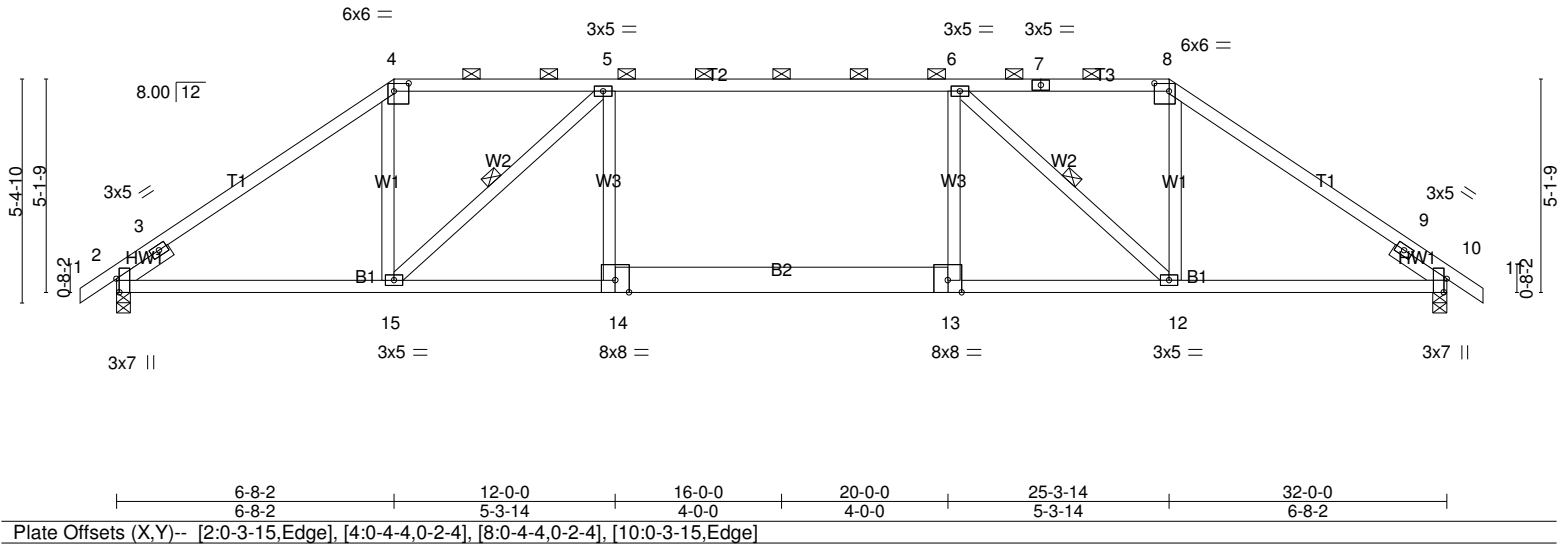
Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	FH	Hip	1	1	

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:48 2021 Page 1
 ID:1OUQItubALAJMlaPgftmcUyoJ6G-aqGngCIW6UWfaD5QyWPYaYOdvrQDcPGujcQZJy9Pjb

0-10-8	6-8-2	12-0-0	12-10-11	19-1-5	20-0-0	25-3-14	32-0-0	32-10-8
0-10-8	6-8-2	5-3-14	0-10-11	6-2-9	0-10-11	5-3-14	6-8-2	0-10-8

Scale = 1:55.4



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.83	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.60	Vert(LL) 0.14 14-15 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.32	Vert(CT) -0.25 13-14 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.07 10 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 134 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2 *Except*
 B2: 2x8 SP No.1
 WEBS 2x4 SPF Stud
 SLIDER Left 2x4 SPF Stud -Ø 1-6-0, Right 2x4 SPF Stud -Ø 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-2-2 oc purlins, except 2-0-0 oc purlins (2-8-1 max.): 4-8.
 BOT CHORD Rigid ceiling directly applied or 9-2-14 oc bracing.
 WEBS 1 Row at midpt 5-15, 6-12

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1332/0-4-0 (min. 0-2-1), 10=1332/0-4-0 (min. 0-2-1)
 Max Horz 2=98(LC 11)
 Max Uplift 2=-197(LC 9), 10=-197(LC 8)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-3=-674/30, 3-24=-1812/355, 4-24=-1706/375, 4-25=-1395/363, 5-25=-1395/363, 5-6=-2088/480,
 6-26=-1395/364, 7-26=-1395/364, 7-8=-1395/364, 8-27=-1706/374, 9-27=-1812/348, 9-10=-674/30, 10-11=0/49
 BOT CHORD 2-15=-273/1450, 14-15=-389/2111, 13-14=-385/2119, 12-13=-387/2110, 10-12=-193/1416
 WEBS 4-15=-100/741, 5-15=-990/293, 6-12=-990/293, 8-12=-100/741, 5-14=0/308, 6-13=0/308

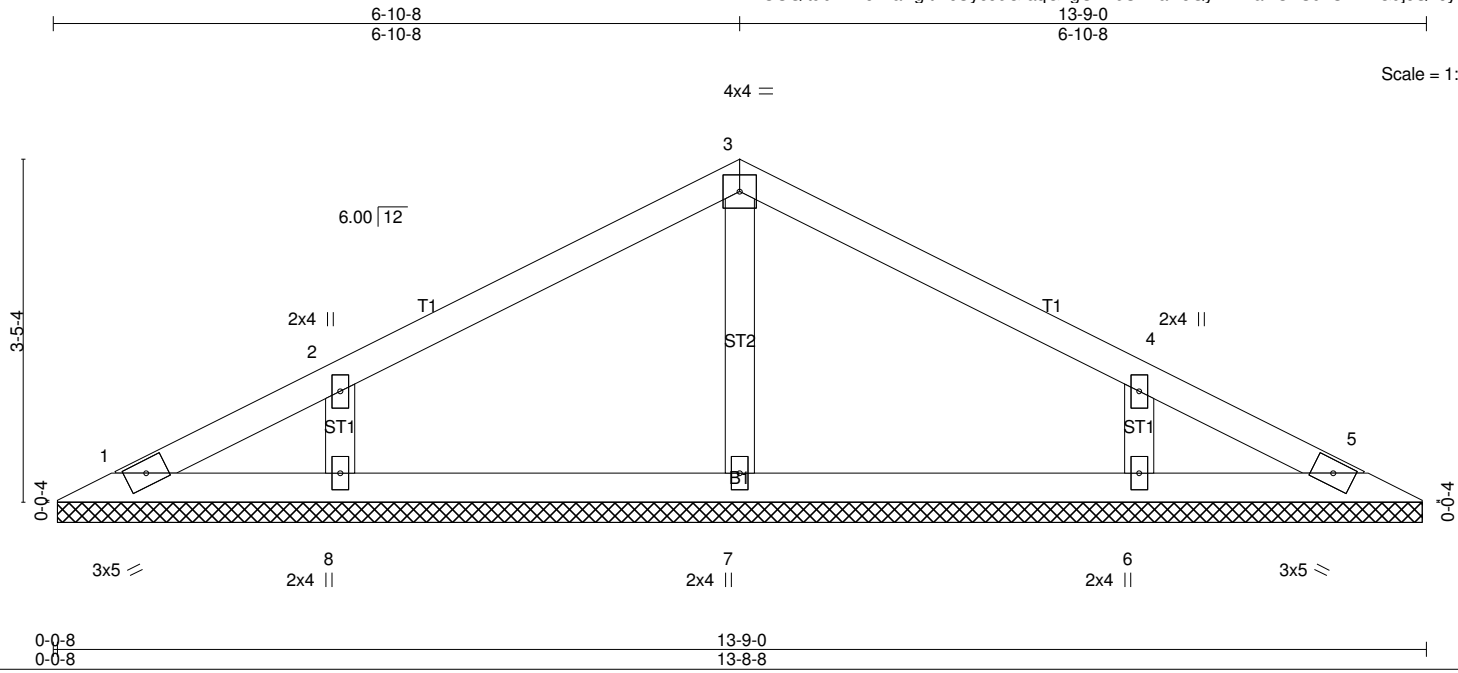
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-3-14, Interior(1) 2-3-14 to 6-8-2, Exterior(2) 6-8-2 to 11-2-7, Interior(1) 11-2-7 to 25-3-14, Exterior(2) 25-3-14 to 29-10-3, Interior(1) 29-10-3 to 32-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 197 lb uplift at joint 2 and 197 lb uplift at joint 10.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	FV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:48 2021 Page 1
ID:1OUQltubALAJMlaPgftmcUyoJ6G-aqGngCfW6UWfaD5QyWPYaYOnUuzCDhXGujcQZJy9Pjb



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2015/TPI2014	TC 0.15 BC 0.10 WB 0.06 Matrix-S	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 5 n/a n/a	MT20	197/144
TCDL 10.0				Weight: 37 lb	FT = 20%
BCLL 0.0 *					
BCDL 10.0					

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=60/13-8-0 (min. 0-1-9), 5=60/13-8-0 (min. 0-1-9), 7=284/13-8-0 (min. 0-1-9), 8=297/13-8-0 (min. 0-1-9), 6=297/13-8-0 (min. 0-1-9)
Max Horz 1=41(LC 14)
Max Uplift1=9(LC 15), 5=-1(LC 14), 8=-115(LC 14), 6=-115(LC 15)
Max Grav 1=60(LC 1), 5=60(LC 1), 7=284(LC 1), 8=310(LC 20), 6=310(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-56/34, 2-9=-86/63, 9-10=-48/69, 3-10=-47/77, 3-11=-47/78, 11-12=-48/70, 4-12=-86/64, 4-5=-43/23
BOT CHORD 1-8=-4/36, 7-8=-4/36, 6-7=-4/36, 5-6=-4/36
WEBS 3-7=-200/58, 2-8=-241/157, 4-6=-241/157

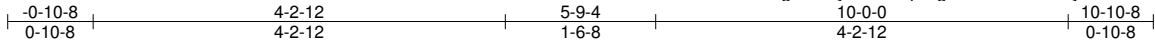
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-7-9 to 3-7-9, Interior(1) 3-7-9 to 6-10-8, Exterior(2) 6-10-8 to 9-10-8, Interior(1) 9-10-8 to 13-1-7 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 9 lb uplift at joint 1, 1 lb uplift at joint 5, 115 lb uplift at joint 8 and 115 lb uplift at joint 6.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	GH	Hip	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:48 2021 Page 1
 ID:1OUQItubALAJMlaPgftmclUyoJ6G-aqGngCIW6UWfaD5QyWPYaYOoxuyeDhjGuicQZJy9Pjb



Scale = 1:23.6

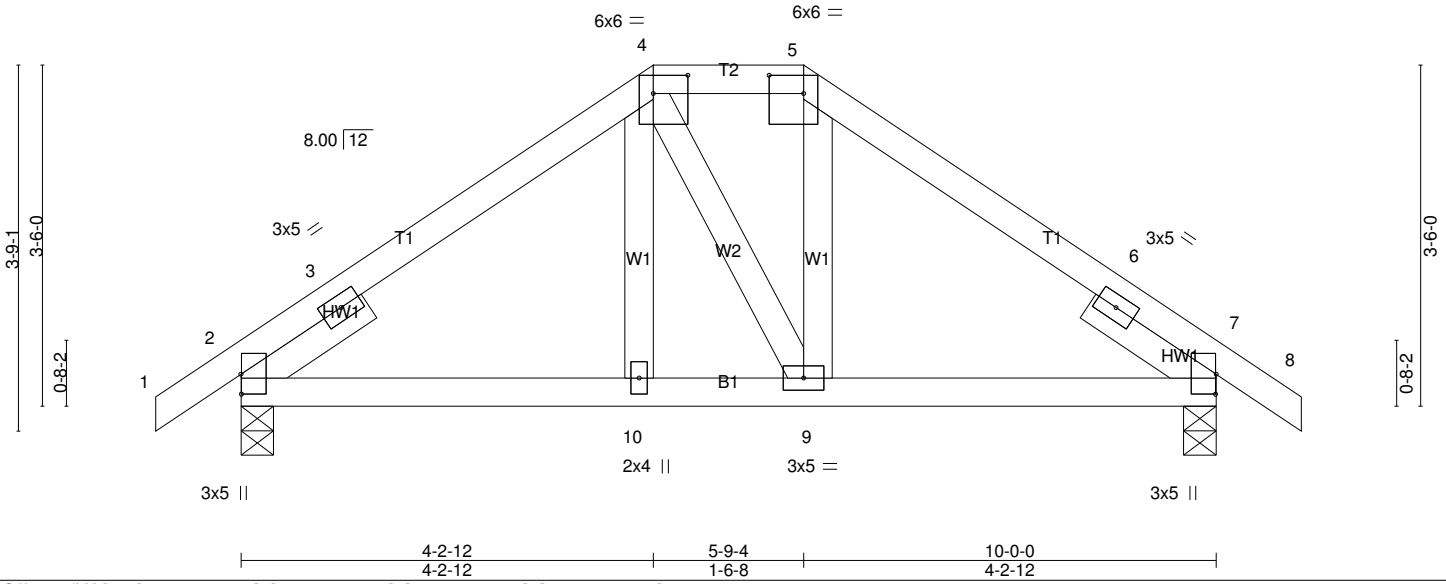


Plate Offsets (X,Y)-- [2:0-2-7,0-0-1], [4:0-4-4,0-2-4], [5:0-4-4,0-2-4], [7:0-2-7,0-0-1]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.12	Vert(LL)	-0.01 10-13	>999	240	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.14	Vert(CT)	-0.01 10-13	>999	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.04	Horz(CT)	0.00 2	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 41 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF Stud
 SLIDER Left 2x4 SPF Stud -ø 1-6-0, Right 2x4 SPF Stud -ø 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-5.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=452/0-4-0 (min. 0-1-8), 7=452/0-4-0 (min. 0-1-8)
 Max Horz 2=-66(LC 10)
 Max Uplift 2=-81(LC 12), 7=-81(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-3=-213/0, 3-19=-396/119, 4-19=-383/129, 4-5=-342/149, 5-20=-383/129, 6-20=-397/119, 6-7=-213/0, 7-8=0/49
 BOT CHORD 2-10=-26/320, 9-10=-26/316, 7-9=-22/318
 WEBS 4-10=0/111, 4-9=-58/59, 5-9=-5/112

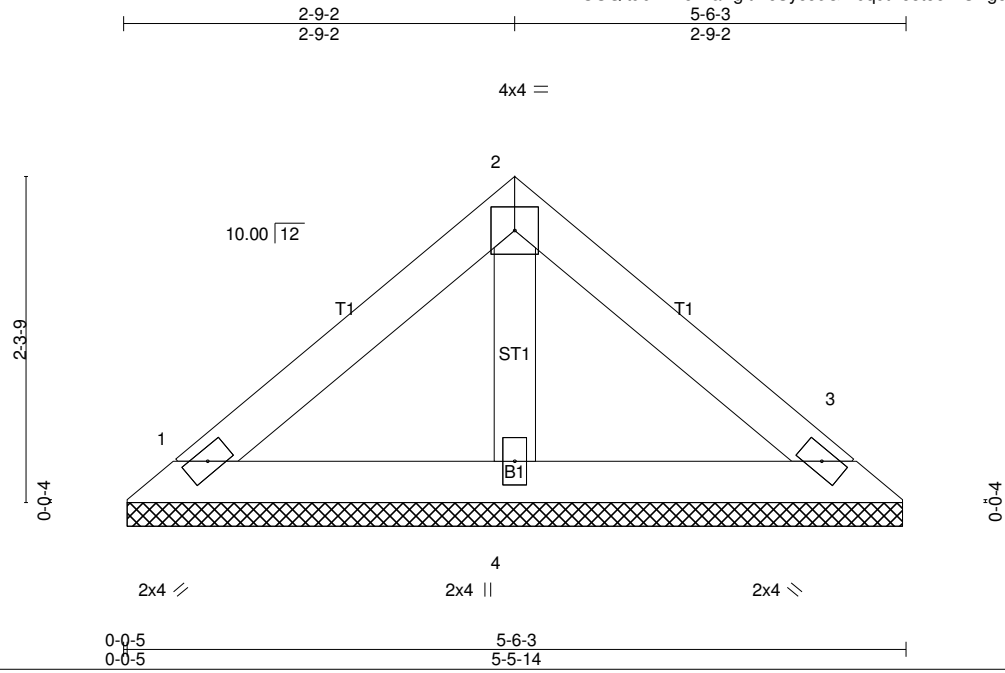
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 4-2-12, Exterior(2) 4-2-12 to 10-0-0, Interior(1) 10-0-0 to 10-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 2 and 81 lb uplift at joint 7.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	GV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:49 2021 Page 1
ID:1OUQltubALAJMlaPgftmclUyoJ6G-20q9tYJ8toeWCNgcWDxn7lwzKIKGy8IP6NL_6ly9Pja



Scale = 1:16.2

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.08	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.05	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.02	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 3 n/a n/a		
	Code IBC2015/TPI2014			Weight: 15 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=109/5-5-10 (min. 0-1-8), 3=109/5-5-10 (min. 0-1-8), 4=158/5-5-10 (min. 0-1-8)
Max Horz 1=-38(LC 10)
Max Uplift1=-32(LC 12), 3=-37(LC 13)
Max Grav 1=109(LC 1), 3=112(LC 20), 4=158(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-77/39, 2-3=-69/35
BOT CHORD 1-4=-10/30, 3-4=-10/30
WEBS 2-4=-99/41

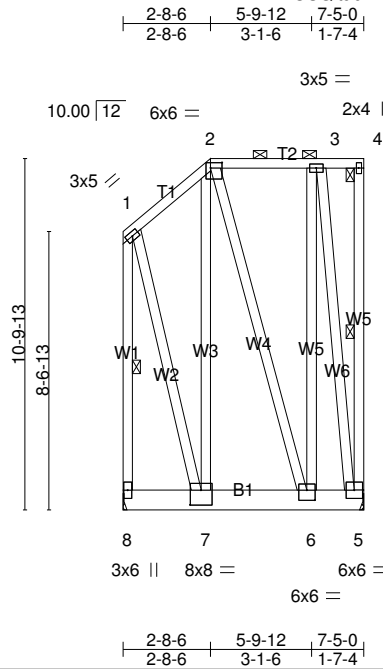
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 32 lb uplift at joint 1 and 37 lb uplift at joint 3.
 - 7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	HA	Half Hip Girder	1	2	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:49 2021 Page 1
ID:1OUQltubALAJMiaPgftmcUyoJ6G-20q9YJ8toeWCNgcWDxn7lwmlHCy_AP6NL_6ly9Pja



Scale = 1:71.0

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.93	Vert(LL)	-0.02	6-7	>999	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.24	Vert(CT)	-0.04	6-7	>999		
TCDL 10.0	Lumber DOL 1.15	WB 0.67	Horz(CT)	-0.00	5	n/a		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MP						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 216 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SPF No.2
BOT CHORD 2x8 SP No.1
WEBS 2x4 SPF Stud

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-5, 1-8

REACTIONS. (lb/size) 5=1759/Mechanical, 8=1675/Mechanical

Max Horz 8=296(LC 9)
Max Uplift 5=-606(LC 9), 8=-517(LC 8)
Max Grav 5=1831(LC 38), 8=1741(LC 39)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-504/202, 2-9=-281/223, 3-9=-281/223, 3-10=-189/201, 4-10=-189/201, 4-5=-18/7, 1-8=-1513/595
BOT CHORD 8-11=-352/353, 7-11=-352/353, 7-12=-321/442, 6-12=-321/442, 5-6=-226/301
WEBS 2-7=-531/714, 1-7=-550/1204, 3-6=-530/1331, 2-6=-650/511, 3-5=-1447/660

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 6-11-5, Interior(1) 6-11-5 to 7-3-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
- Provide adequate drainage to prevent water ponding.
- 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 bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 606 lb uplift at joint 5 and 517 lb uplift at joint 8.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 977 lb down and 254 lb up at 1-9-12, and 1016 lb down and 223 lb up at 3-9-12, and 1005 lb down and 209 lb up at 5-9-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	HA	Half Hip Girder	1	2	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:49 2021 Page 2
ID:1OUQltubALAJMiaPgftmcUyoJ6G-20q9tYJ8toeWCNgcWDxn7lw1lHCy_AP6NL_6ly9Pja

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-2=-60, 2-4=-60, 5-8=-20

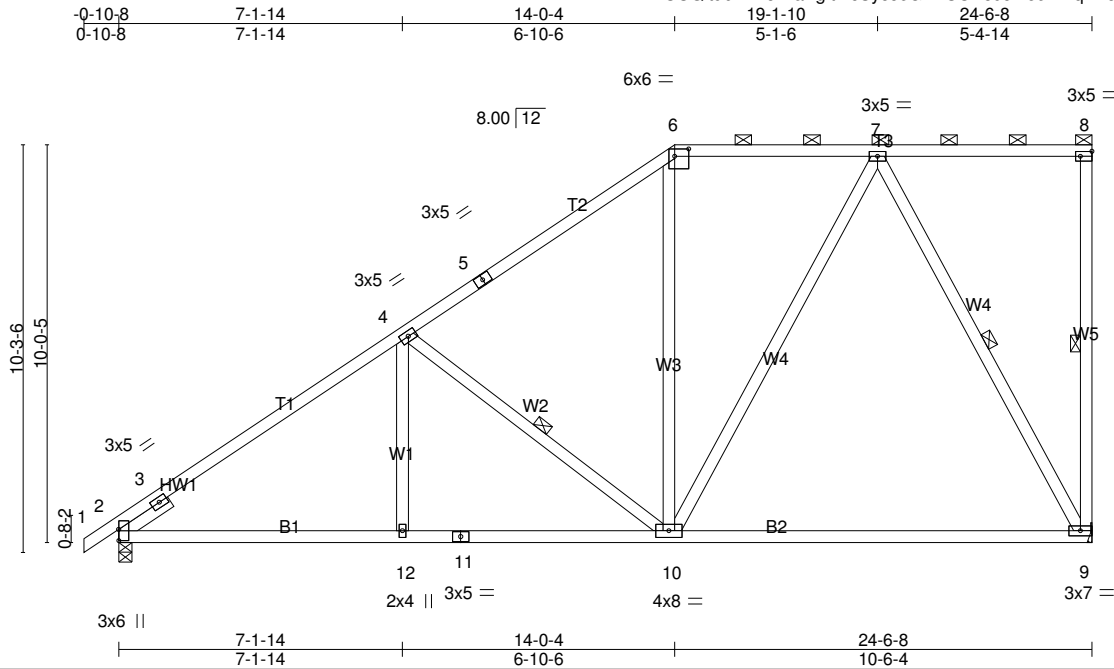
Concentrated Loads (lb)

Vert: 6=-955(B) 11=-955(B) 12=-955(B)

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	HB	Half Hip	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:50 2021 Page 1
ID:1OUQltubALAJMlaPgftmcUyoJ6G-WCOX5Ujme6mNqXFo3xS0fzT0siYhStYL15XeBy9PJz



Scale = 1:58.1

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	2-0-0	TC 0.61	Vert(LL)	-0.48	9-10	>607	240	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.54	Vert(CT)	-0.76	9-10	>385	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.58	Horz(CT)	0.03	9	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS							
BCDL 10.0	Code IBC2015/TPI2014								
							Weight: 129 lb	FT = 20%	

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2 *Except*
 B2: 2x4 SP DSS
 WEBS 2x4 SPF Stud *Except*
 W5: 2x4 SPF No.2
 SLIDER Left 2x4 SPF Stud - δ 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-10-10 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-8.
 BOT CHORD Rigid ceiling directly applied or 9-1-8 oc bracing.
 WEBS 1 Row at midpt 8-9, 4-10, 7-9

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 9=975/Mechanical, 2=1029/0-4-0 (min. 0-1-10)
 Max Horz 2=295(LC 11)
 Max Uplift 9=-234(LC 9), 2=-186(LC 12)
 Max Grav 9=1006(LC 20), 2=1044(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-3=-622/0, 3-17=-1313/240, 4-17=-1158/263, 4-5=-944/234, 5-18=-871/243, 6-18=-838/263, 6-19=-701/273, 7-19=-701/273, 7-20=-166/167, 8-20=-166/167, 8-9=-135/88
 BOT CHORD 2-12=-397/1124, 11-12=-397/1124, 10-11=-397/1124, 10-21=-165/414, 21-22=-165/414, 9-22=-165/414
 WEBS 4-12=0/221, 4-10=-569/279, 6-10=0/224, 7-10=-111/590, 7-9=-851/296

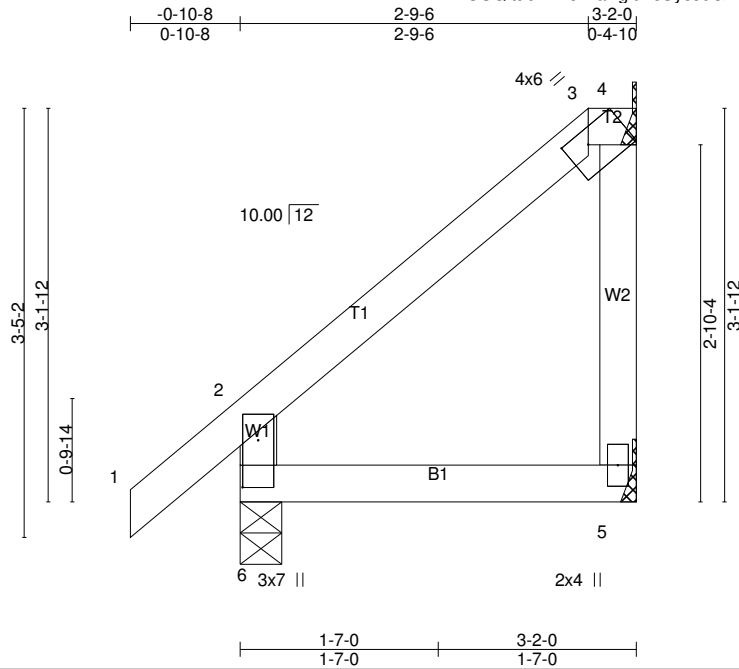
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 14-0-4, Exterior(2) 14-0-4 to 18-3-3, Interior(1) 18-3-3 to 24-4-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 234 lb uplift at joint 9 and 186 lb uplift at joint 2.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	HC	Half Hip	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:50 2021 Page 1
ID:1OUQltubALAJMlaPgftmcUyoJ6G-WCOX5uJme6mNqXFo3xS0fzT8Uif5hbvYL15XeBy9PJZ



Scale = 1:18.4

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.12	Vert(LL)	-0.00	5-6	>999	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.07	Vert(CT)	-0.01	5-6	>999		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.01	4	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MR						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 13 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 4=72/Mechanical, 5=32/Mechanical, 6=187/0-4-0 (min. 0-1-8)
 Max Horz 6=94(LC 11)
 Max Uplift 4=57(LC 9), 6=27(LC 12)
 Max Grav 4=88(LC 20), 5=59(LC 3), 6=187(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/65, 2-7=-98/49, 3-7=-61/63, 3-4=-68/64, 4-5=0/0, 2-6=-162/101
 BOT CHORD 5-6=-42/50

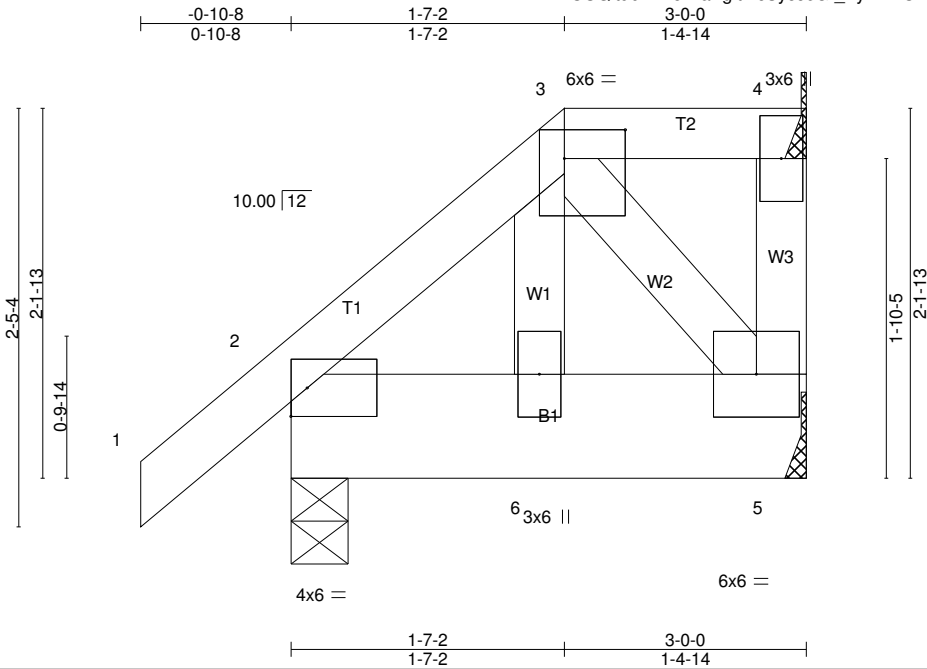
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 2-9-6, Exterior(2) 2-9-6 to 3-0-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 57 lb uplift at joint 4 and 27 lb uplift at joint 6.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 11) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	HD	Half Hip Girder	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:51 2021 Page 1
ID:1OUQItubALAJMlaPgftmcUyoJ6G-_PyvIEKOPPuEShq?dezFCA0J50JQ2siahq4Ady9PjY



Scale = 1:13.4

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.09	Vert(LL)	-0.00	6	>999	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.01	Vert(CT)	-0.00	6	>999		
TCDL 10.0	Lumber DOL 1.15	WB 0.02	Horz(CT)	0.00	4	n/a		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MP						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 19 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x8 SP No.1
 WEBS 2x4 SPF Stud

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 4=38/Mechanical, 2=177/0-4-0 (min. 0-1-8), 5=71/Mechanical
 Max Horz 2=60(LC 11)
 Max Uplift 4=-19(LC 8), 2=-49(LC 12), 5=-33(LC 9)
 Max Grav 4=38(LC 1), 2=177(LC 1), 5=86(LC 39)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/56, 2-3=-94/42, 3-4=-32/34, 4-5=0/0
 BOT CHORD 2-6=-47/64, 5-6=-47/62
 WEBS 3-6=-11/45, 3-5=-85/63

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 4, 49 lb uplift at joint 2 and 33 lb uplift at joint 5.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 11) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
 - 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 90 lb down and 79 lb up at 1-7-2 on top chord, and 16 lb down and 14 lb up at 1-7-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	HD	Half Hip Girder	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:51 2021 Page 2
ID:1OUQltubALAJMlaPgftmcUyoJ6G-_PyvIEKOPPuESHq?dezFCA0Jj50JQ2siahq4Ady9PjY

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-60, 3-4=-60, 5-7=-20

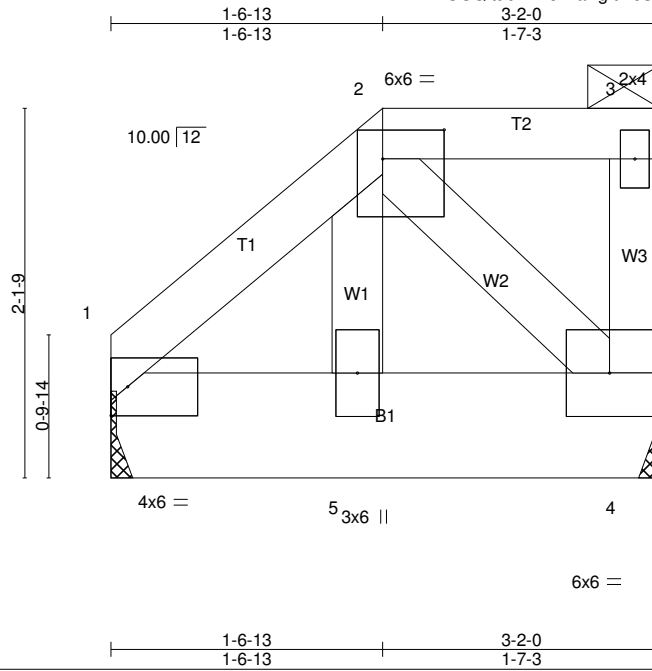
Concentrated Loads (lb)

Vert: 6=-5(B)

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	HE	Half Hip Girder	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:51 2021 Page 1
ID:1OUQItubALAJMlaPgftmcUyoJ6G_PyviEKOPPuEShq?dezFCA0KP50GQ2riaHq4Ady9PJY



Scale = 1:13.3

Plate Offsets (X,Y)-- [2:0-4-4,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.05 BC 0.01 WB 0.02 Matrix-MP	Vert(LL) -0.00 Vert(CT) -0.00 Horz(CT) 0.00	8 5 1	>999 >999 n/a	240 180 n/a	MT20	197/144
TCDL 10.0	Rep Stress Incr NO						Weight: 19 lb	FT = 20%
BCLL 0.0 *	Code IBC2015/TPI2014							
BCDL 10.0								

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x8 SP No.1
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 2-3.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=124/Mechanical, 4=123/Mechanical
Max Horz 1=50(LC 11)
Max Uplift1=-33(LC 12), 4=-52(LC 9)
Max Grav 1=131(LC 41), 4=123(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-106/52, 2-3=-32/34, 3-4=-44/35
BOT CHORD 1-5=-54/76, 4-5=-53/73
WEBS 2-5=-12/46, 2-4=-94/68

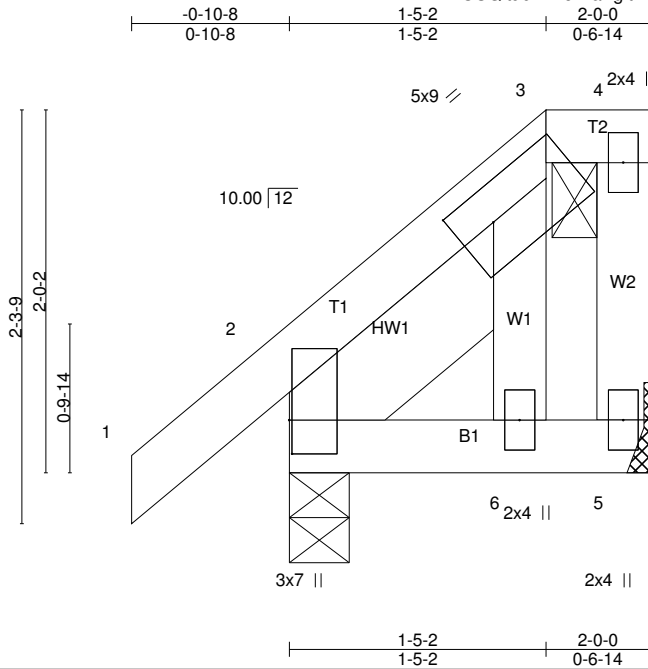
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TC DL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 1 and 52 lb uplift at joint 4.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 89 lb down and 79 lb up at 1-6-13 on top chord, and 16 lb down and 14 lb up at 1-7-9 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 4-6=-20
Concentrated Loads (lb)
Vert: 5=-5(B)

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	HF	Half Hip	2	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:51 2021 Page 1
ID:1OUQitubALAJMlaPgftmcUyoJ6G-_PvVIEKOPPuEShq?dezFCA0Jv50YQ2iaihq4Ady9PjY



Scale = 1:12.8

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

LOADING (psf)	SPACING-	CSI.	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.08	Vert(LL)	-0.00	9	>999	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.06	Vert(CT)	-0.00	9	>999		
TCDL 10.0	Lumber DOL 1.15	WB 0.03	Horz(CT)	0.00	2	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP					Weight: 13 lb	FT = 20%
BCDL 10.0	Code IBC2015/TPI2014							

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud
SLIDER Left 2x6 SP DSS -δ 1-6-14

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 5=62/Mechanical, 2=139/0-4-0 (min. 0-1-8)
Max Horz 2=61(LC 11)
Max Uplift 5=-32(LC 9), 2=-25(LC 12)
Max Grav 5=68(LC 20), 2=145(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/56, 2-3=-91/45, 3-4=-32/34, 4-5=-13/11
BOT CHORD 2-6=-37/36, 5-6=-32/34
WEBS 3-6=-113/96

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 32 lb uplift at joint 5 and 25 lb uplift at joint 2.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	HG	Half Hip Girder	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:52 2021 Page 1
ID:1OUQItubALAJMlaPgtmcUyoJ6G-SbVIVaL0Aj053qPBBMUUIOYUTVMV9VArPLaei4y9PJX

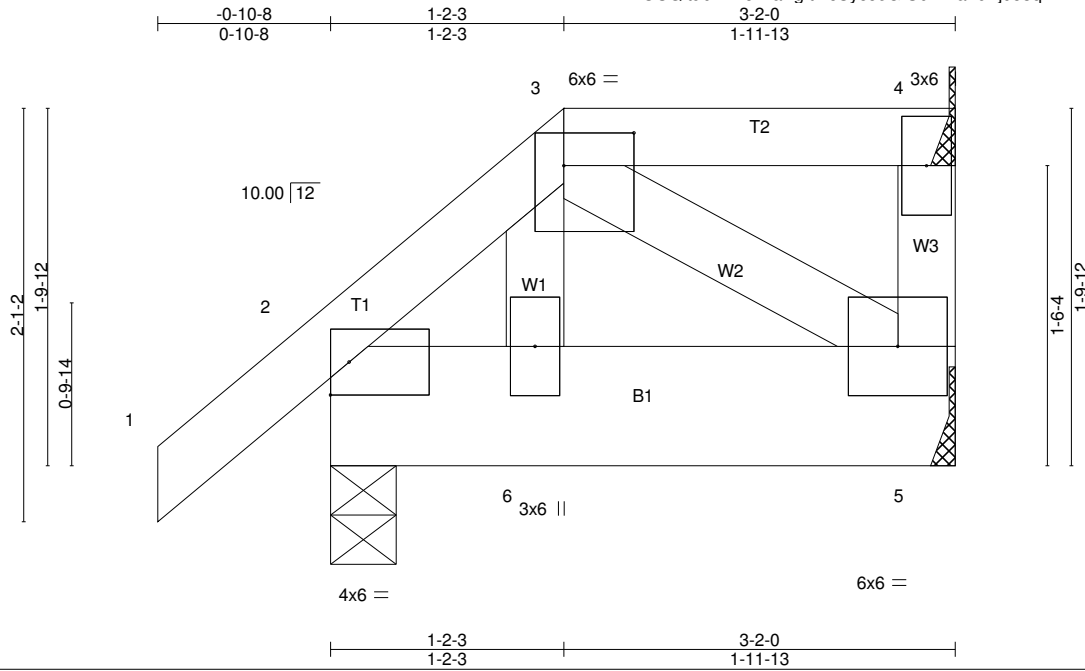


Plate Offsets (X,Y)-- [3:0-4-4,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.09	Vert(LL)	-0.00	6	>999	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.01	Vert(CT)	-0.00	6	>999		
TCDL 10.0	Lumber DOL 1.15	WB 0.02	Horz(CT)	-0.00	4	n/a		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MP						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 20 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x8 SP No.1
 WEBS 2x4 SPF Stud

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 4=55/Mechanical, 2=183/0-4-0 (min. 0-1-8), 5=59/Mechanical
 Max Horz 2=50(LC 11)
 Max Uplift 4=28(LC 9), 2=47(LC 12), 5=12(LC 9)
 Max Grav 4=55(LC 1), 2=183(LC 1), 5=71(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/56, 2-3=-92/40, 3-4=-26/27, 4-5=0/0
 BOT CHORD 2-6=-46/66, 5-6=-48/65
 WEBS 3-6=-9/37, 3-5=-70/50

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 4, 47 lb uplift at joint 2 and 12 lb uplift at joint 5.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 11) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
 - 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 80 lb down and 68 lb up at 1-2-3 on top chord, and 10 lb down and 11 lb up at 1-2-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	HG	Half Hip Girder	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:52 2021 Page 2
ID:1OUQItubALAJMlaPgtmclUyoJ6G-SbVIVaL0Aj053qPBBMUUIOYUTVMV9VArpLaei4y9PJX

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-60, 3-4=-60, 5-7=-20

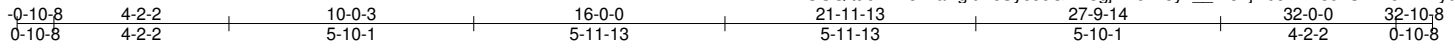
Concentrated Loads (lb)

Vert: 6=-3(F)

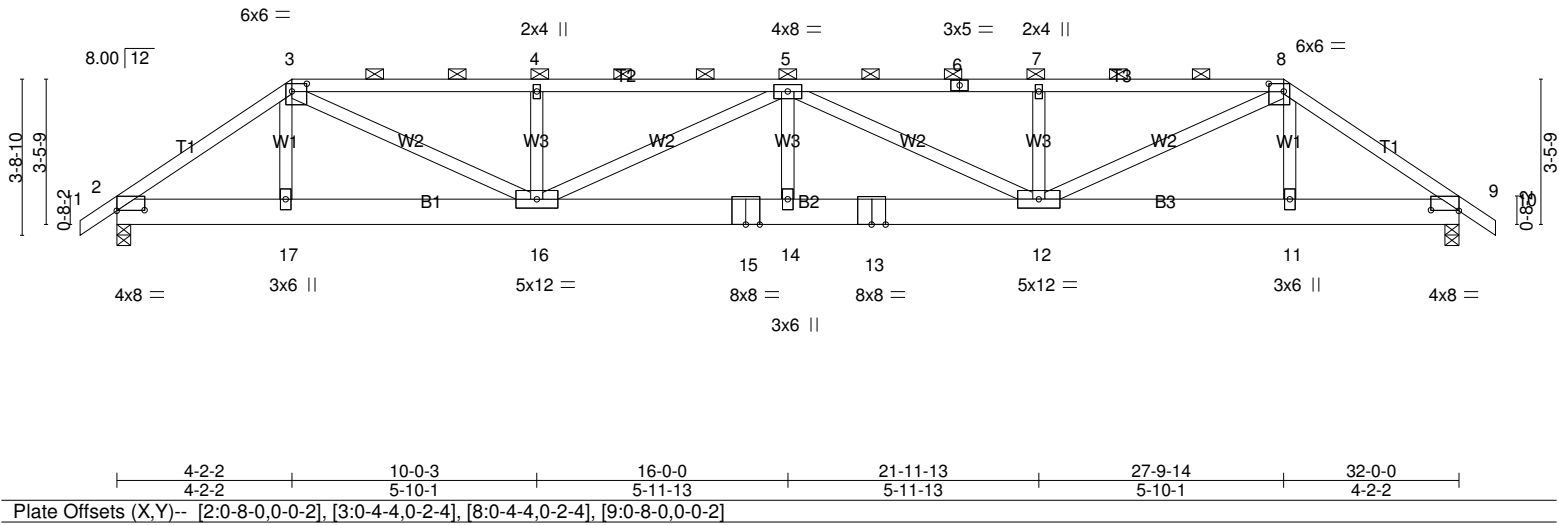
Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	HH	Hip Girder	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:53 2021 Page 1
 ID:1OUQltubALAJMlaPgftmcUyoJ6G-xn3gjiVMex18yh_NI3?jHb5ZlvZ8ukU?1?JBFWy9PjW



Scale = 1:54.9



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.50	Vert(LL) 0.30	14	>999	240	MT20	197/144
(Roof Snow=20.0)	Lumber DOL 1.15	BC 0.56	Vert(CT) -0.40	14	>954	180		
TCDL 10.0	Rep Stress Incr NO	WB 0.91	Horz(CT) 0.06	9	n/a	n/a		
BCLL 0.0 *	Code IBC2015/TPI2014	Matrix-MS						
BCDL 10.0							Weight: 191 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2 *Except*
 T2,T3: 2x4 SP DSS
 BOT CHORD 2x8 SP No.1
 WEBS 2x4 SPF Stud

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-6-10 oc purlins, except 2-0-0 oc purlins (3-3-1 max.): 3-8.
 BOT CHORD Rigid ceiling directly applied or 6-1-11 oc bracing.
 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1739/0-4-0 (min. 0-2-13), 9=1645/0-4-0 (min. 0-2-11)
 Max Horz 2=66(LC 31)
 Max Uplift 2=-737(LC 9), 9=-684(LC 8)
 Max Grav 2=1785(LC 38), 9=1708(LC 40)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-24=0/29, 2-24=0/49, 2-25=-2699/1187, 3-25=-2604/1203, 3-26=-4071/1880, 26-27=-4071/1880, 27-28=-4071/1880, 4-28=-4071/1880, 4-29=-4071/1880, 29-30=-4071/1880, 5-30=-4071/1880, 5-31=-4011/1839, 6-31=-4011/1839, 6-7=-4011/1839, 7-32=-4011/1839, 32-33=-4011/1839, 33-34=-4011/1839, 8-34=-4011/1839, 8-35=-2492/1106, 35-36=-2548/1115, 36-37=-2551/1114, 9-37=-2605/1107, 9-38=0/49, 10-38=0/29
 BOT CHORD 2-39=-990/2231, 17-39=-990/2231, 17-40=-986/2219, 40-41=-986/2219, 16-41=-986/2219, 16-42=-2154/4759, 42-43=-2154/4759, 15-43=-2154/4759, 14-15=-2154/4759, 13-14=-2154/4759, 13-44=-2154/4759, 12-44=-2154/4759, 12-45=-883/2115, 45-46=-883/2115, 11-46=-883/2115, 11-47=-882/2123, 9-47=-882/2123
 WEBS 3-17=-98/265, 3-16=-1014/2145, 4-16=-374/218, 5-16=-742/359, 5-14=-123/342, 5-12=-807/396, 7-12=-375/221, 8-12=-1033/2164, 8-11=-19/236

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TC DL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-10-8 to 2-3-14, Interior(1) 2-3-14 to 4-2-2, Exterior(2) 4-2-2 to 8-8-7, Interior(1) 8-8-7 to 27-9-14, Exterior(2) 27-9-14 to 32-4-3, Interior(1) 32-4-3 to 32-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 737 lb uplift at joint 2 and 684 lb uplift at joint 9.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	HH	Hip Girder	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:53 2021 Page 2
ID:1OUQltubALAJMlaPgftmcUyoJ6G-xn3gfvMex18yh__NI3?jHb5ZlvZ8ukU?1?JBFWy9PjW

NOTES-

- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 66 lb down and 71 lb up at 4-2-2, 70 lb down and 64 lb up at 6-2-14, 69 lb down and 64 lb up at 8-2-14, 69 lb down and 64 lb up at 10-2-14, 71 lb down and 66 lb up at 12-2-14, 71 lb down and 66 lb up at 14-2-14, 71 lb down and 66 lb up at 16-2-14, 71 lb down and 66 lb up at 18-2-14, 71 lb down and 66 lb up at 20-2-14, 71 lb down and 66 lb up at 22-2-14, 71 lb down and 66 lb up at 24-2-14, 71 lb down and 66 lb up at 26-2-14, and 91 lb down and 95 lb up at 28-2-14, and 36 lb down and 69 lb up at 30-2-14 on top chord, and 103 lb down and 72 lb up at 2-2-14, 71 lb down and 69 lb up at 4-2-14, 71 lb down and 69 lb up at 6-2-14, 71 lb down and 69 lb up at 8-2-14, 71 lb down and 69 lb up at 10-2-14, 68 lb down and 66 lb up at 12-2-14, 68 lb down and 66 lb up at 14-2-14, 68 lb down and 66 lb up at 16-2-14, 68 lb down and 66 lb up at 18-2-14, 68 lb down and 66 lb up at 20-2-14, 68 lb down and 66 lb up at 22-2-14, 68 lb down and 66 lb up at 24-2-14, 68 lb down and 66 lb up at 26-2-14, and 28 lb down at 28-2-14, and 44 lb down and 32 lb up at 30-2-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-60, 3-8=-60, 8-10=-60, 18-21=-20

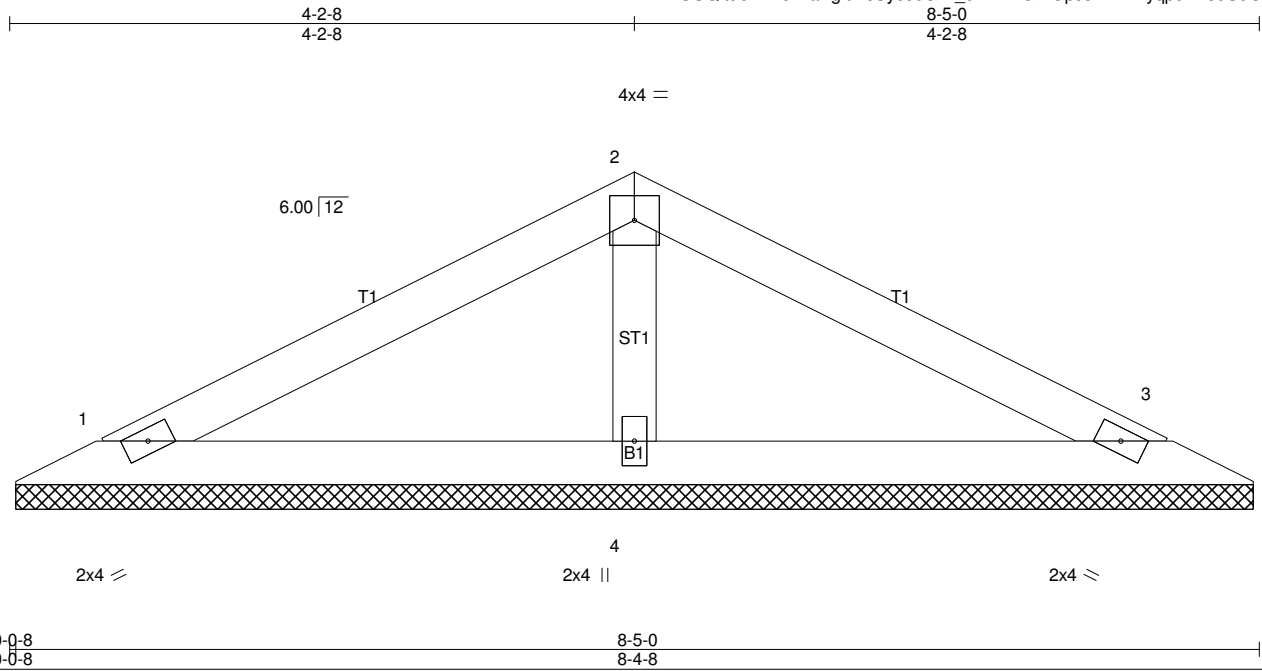
Concentrated Loads (lb)

Vert: 17=-55(F) 16=-55(F) 14=-41(F) 12=-41(F) 11=-12(F) 13=-41(F) 35=-12(F) 39=-103(F) 40=-55(F) 41=-55(F) 42=-41(F) 43=-41(F) 44=-41(F) 45=-41(F) 46=-41(F) 47=-39(F)

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	HV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:54 2021 Page 1
ID:1OUQItubALAJMlaPgftmcUyoJ6G-P_d2wFNGiKGpJ8ZZInWyqpdnDJ0UdOD8Ge3Inyy9PjV



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2015/TPI2014	TC 0.20 BC 0.11 WB 0.04 Matrix-P	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 3 n/a n/a	MT20	197/144
TCDL 10.0				Weight: 20 lb	FT = 20%
BCLL 0.0 *					
BCDL 10.0					

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

BRACING-
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=146/8-4-0 (min. 0-1-8), 3=146/8-4-0 (min. 0-1-8), 4=281/8-4-0 (min. 0-1-8)
Max Horz 1=23(LC 18)
Max Uplift1=44(LC 14), 3=48(LC 15), 4=17(LC 14)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-5=-65/32, 5-6=-30/37, 2-6=-17/42, 2-7=-17/42, 7-8=-28/37, 3-8=-65/32
BOT CHORD 1-4=0/26, 3-4=0/26
WEBS 2-4=-191/109

NOTES-

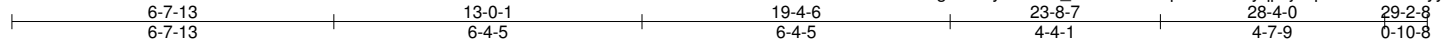
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-7-9 to 3-7-9, Interior(1) 3-7-9 to 4-2-8, Exterior(2) 4-2-8 to 7-2-8, Interior(1) 7-2-8 to 7-9-7 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 1, 48 lb uplift at joint 3 and 17 lb uplift at joint 4.
- 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	I	Roof Special	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:54 2021 Page 1
 ID:1OUQltubALAJMlaPgtrmcUyoJ6G-P_d2wFNGiKgpJ8ZZInWyqpdjEjPHdFP8Ge3lnty9PjV



Scale: 1/4"=1'

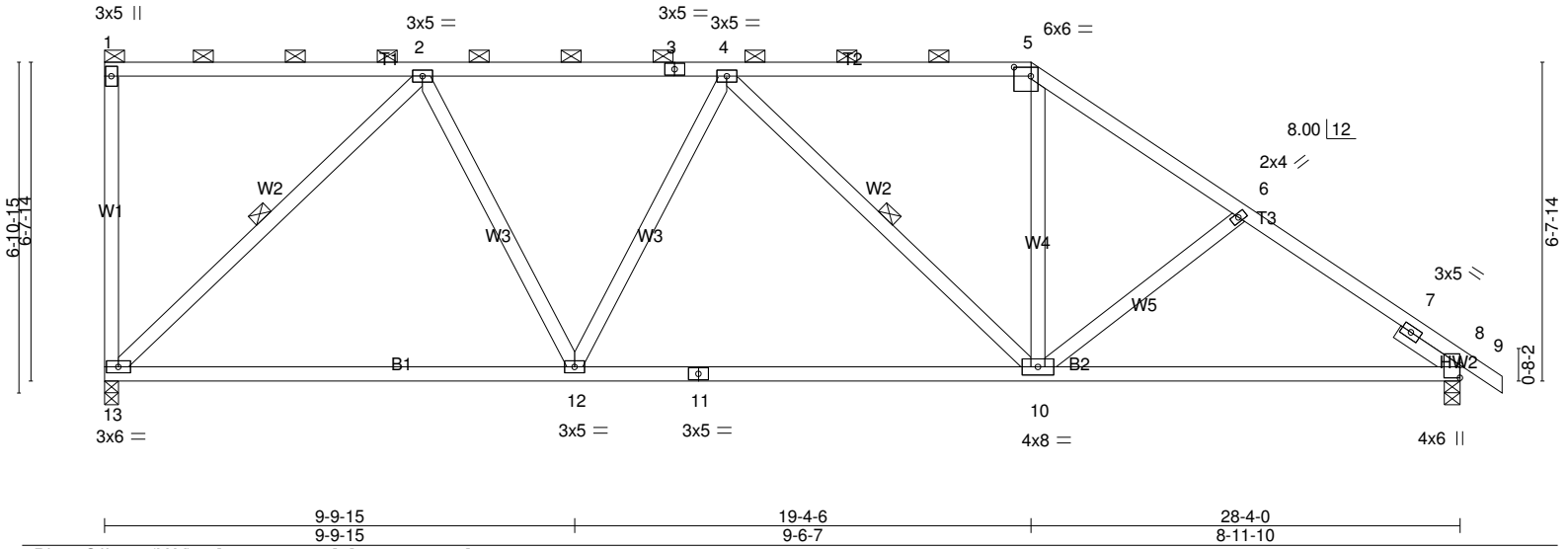


Plate Offsets (X,Y)-- [5:0-4-4,0-2-4], [8:0-3-3,0-0-1]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.46	Vert(LL)	-0.22 12-13	>999	240	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.95	Vert(CT)	-0.46 12-13	>740	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.61	Horz(CT)	0.05 8	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 125 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF Stud
 SLIDER Right 2x4 SPF Stud -δ 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-2-10 oc purlins, except end verticals, and 2-0-0 oc purlins (4-11-13 max.): 1-5.
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
 WEBS 1 Row at midpt 2-13, 4-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 13=1127/0-3-8 (min. 0-1-12), 8=1181/0-4-0 (min. 0-1-14)
 Max Horz 13=-196(LC 10)
 Max Uplift 13=-267(LC 8), 8=-184(LC 13)
 Max Grav 13=1130(LC 2), 8=1181(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-13=-169/92, 1-18=-116/109, 2-18=-116/109, 2-3=-1233/294, 3-4=-1233/294, 4-19=-1110/301, 5-19=-1110/301,
 5-20=-1351/315, 6-20=-1416/301, 6-21=-1553/336, 7-21=-1589/320, 7-8=-791/0, 8-9=0/49
 BOT CHORD 13-22=-205/976, 22-23=-205/976, 12-23=-205/976, 12-24=-227/1309, 11-24=-227/1309, 11-25=-227/1309,
 10-25=-227/1309, 8-10=-181/1263
 WEBS 2-13=-1253/331, 2-12=-24/598, 4-12=-273/169, 4-10=-303/179, 5-10=-28/484, 6-10=-252/186

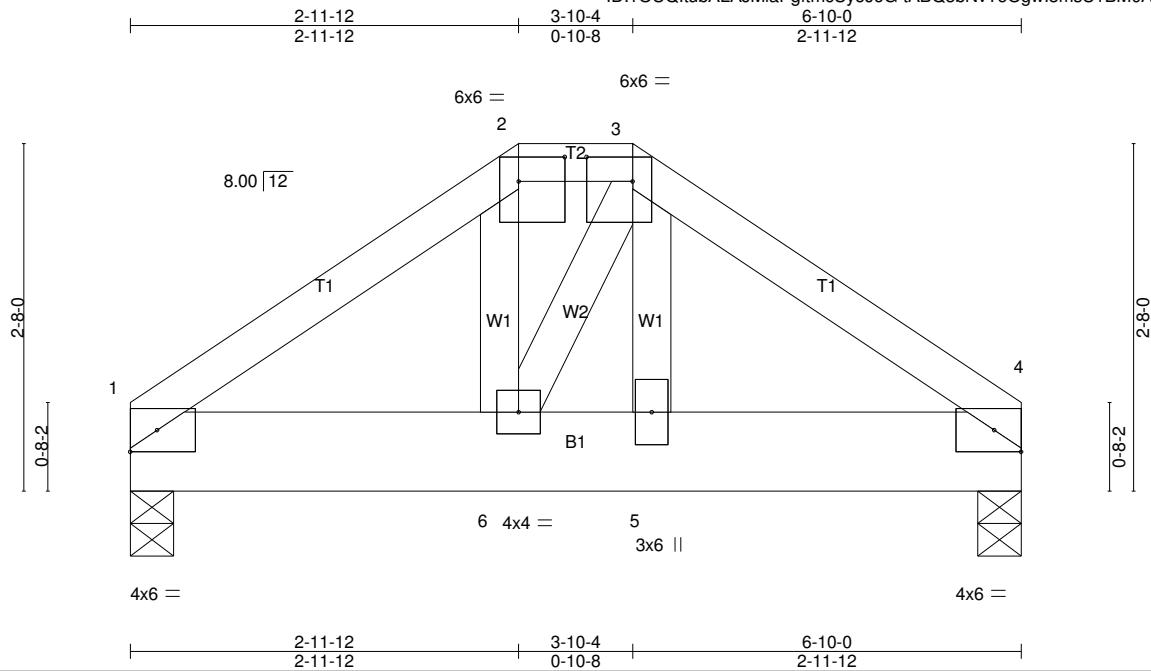
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 19-4-6, Exterior(2) 19-4-6 to 22-4-6, Interior(1) 22-4-6 to 29-2-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 267 lb uplift at joint 13 and 184 lb uplift at joint 8.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	IH	Hip Girder	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:55 2021 Page 1
ID:1OUQltubALAJMlaPgftmcUyoJ6G-tABQ8bNvTeOgwI8msU1BM0A_ujMAMrCIVIoIJPY9PJU



Scale = 1:17.7

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.08	Vert(LL)	-0.00	6	>999	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.08	Vert(CT)	-0.01	6	>999		
TCDL 10.0	Lumber DOL 1.15	WB 0.06	Horz(CT)	0.00	4	n/a		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MP					Weight: 37 lb	FT = 20%
BCDL 10.0	Code IBC2015/TPI2014							

LUMBER-

TOP CHORD 2x4 SPF No.2
BOT CHORD 2x8 SP No.1
WEBS 2x4 SPF Stud

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 2-3.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=412/0-4-0 (min. 0-1-8), 4=411/0-4-0 (min. 0-1-8)
Max Horz 1=-39(LC 27)
Max Uplift1=-71(LC 12), 4=-71(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-461/125, 2-3=-340/128, 3-4=-450/125
BOT CHORD 1-13=-56/347, 6-13=-56/347, 6-14=-50/325, 5-14=-50/325, 5-15=-49/331, 4-15=-49/331
WEBS 2-6=-6/142, 3-6=-22/37, 3-5=-11/121

NOTES-

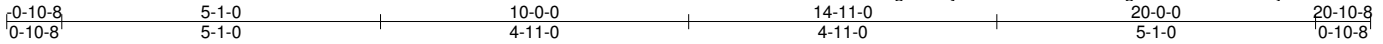
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 71 lb uplift at joint 1 and 71 lb uplift at joint 4.
- 7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 84 lb down and 83 lb up at 2-11-12, and 84 lb down and 83 lb up at 3-10-4 on top chord, and 92 lb down at 1-4-12, 23 lb down and 26 lb up at 3-0-8, 92 lb down at 3-4-12, and 23 lb down and 26 lb up at 3-9-8, and 92 lb down at 5-4-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 3-4=-60, 7-10=-20
Concentrated Loads (lb)
Vert: 6=-1(B) 5=-1(B) 13=-92(F) 14=-92(F) 15=-92(F)

Job BARNES FILE 2	Truss J	Truss Type Common	Qty 4	Ply 1	Barnes - Beverly A
84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler					Job Reference (optional)

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:55 2021 Page 1
 ID:10UQltubALAJMlaPgftmcUyoJ6G-tABQ8bNvTeOgwI8msU1BM0AxAjB7Mni2IVloJPy9PJU



Scale = 1:36.7

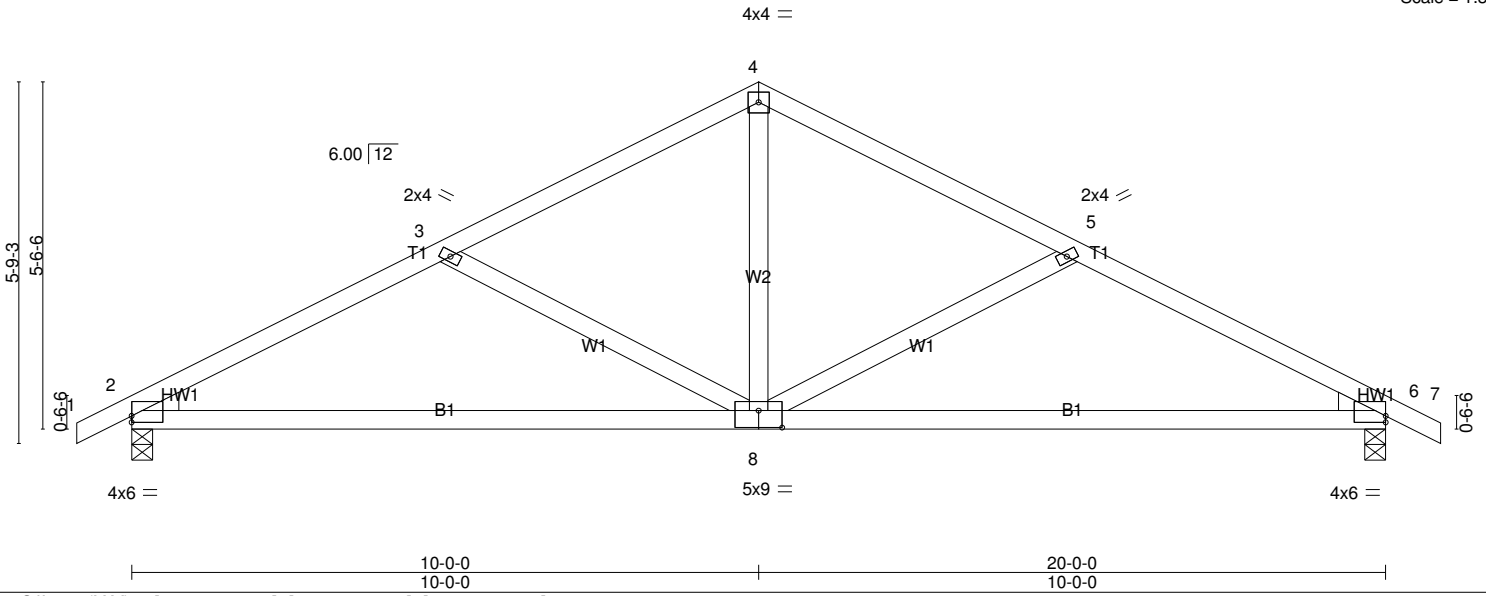


Plate Offsets (X,Y)-- [2:0-0-0,0-1-4], [6:0-0-0,0-1-4], [8:0-4-8,0-3-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.32	Vert(LL) -0.15	8-14	>999	240	MT20	197/144
(Roof Snow=20.0)	Lumber DOL 1.15	BC 0.79	Vert(CT) -0.31	8-14	>764	180		
TCDL 10.0	Rep Stress Incr YES	WB 0.26	Horz(CT) 0.03	6	n/a	n/a		
BCLL 0.0 *	Code IBC2015/TPI2014	Matrix-MS						
BCDL 10.0							Weight: 70 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF Stud
 WEDGE
 Left: 2x4 SPF Stud , Right: 2x4 SPF Stud

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-0-5 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=853/0-4-0 (min. 0-1-8), 6=852/0-4-0 (min. 0-1-8)
 Max Horz 2=71(LC 14)
 Max Uplift 2=-162(LC 14), 6=-162(LC 15)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/39, 2-15=-1302/273, 3-15=-1241/289, 3-16=-974/198, 16-17=-918/199, 4-17=-901/210, 4-18=-901/210,
 18-19=-918/199, 5-19=-974/198, 5-20=-1241/289, 6-20=-1302/273, 6-7=0/39
 BOT CHORD 2-8=-246/1110, 6-8=-194/1110
 WEBS 4-8=-34/566, 5-8=-386/220, 3-8=-386/220

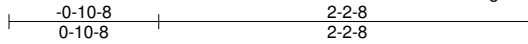
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 10-0-0, Exterior(2) 10-0-0 to 13-0-0, Interior(1) 13-0-0 to 20-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 162 lb uplift at joint 2 and 162 lb uplift at joint 6.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	JA	Jack-Open	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:55 2021 Page 1
ID:1OUQItubALAJMlaPgftmcUyoJ6G-tABQ8bNvTeOgwI8msU1BM0A_vjNIMr8IVIoIJPY9PjU



Scale = 1:13.5

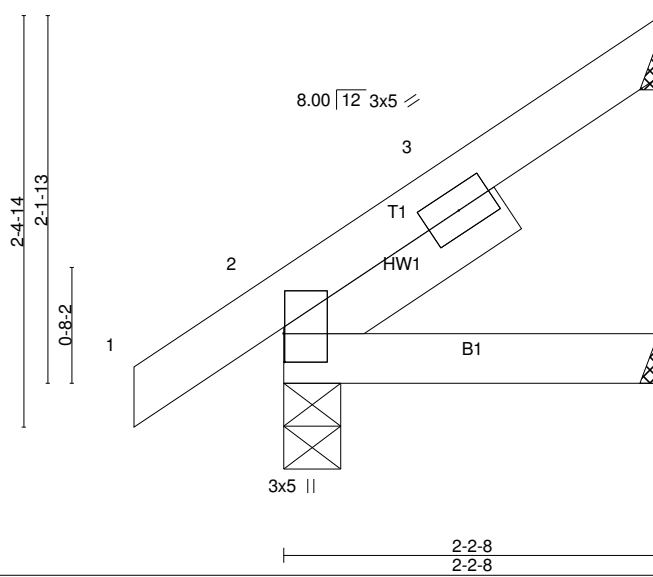


Plate Offsets (X,Y)-- [2:0-2-0,0-0-1]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.08	Vert(LL)	0.00	8	>999	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.04	Vert(CT)	-0.00	8	>999		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.00	2	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 9 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 SLIDER Left 2x4 SPF Stud -Ø 1-6-0

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-8 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=50/Mechanical, 2=149/0-4-0 (min. 0-1-8), 5=25/Mechanical

Max Horz 2=71(LC 12)
 Max Uplift 4=43(LC 12), 2=-10(LC 12), 5=-3(LC 12)
 Max Grav 4=63(LC 20), 2=149(LC 1), 5=37(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/49, 2-3=-56/23, 3-4=-30/37
 BOT CHORD 2-5=0/0

NOTES-

- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
- 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint 4, 10 lb uplift at joint 2 and 3 lb uplift at joint 5.
- 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	JB	Jack-Open	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:56 2021 Page 1
ID:1OUQItubALAJMlaPgftmcUyoJ6G-LMloLxOXEYWXYSiyQBZQvEj9f6j05IORjYrry9Pjt

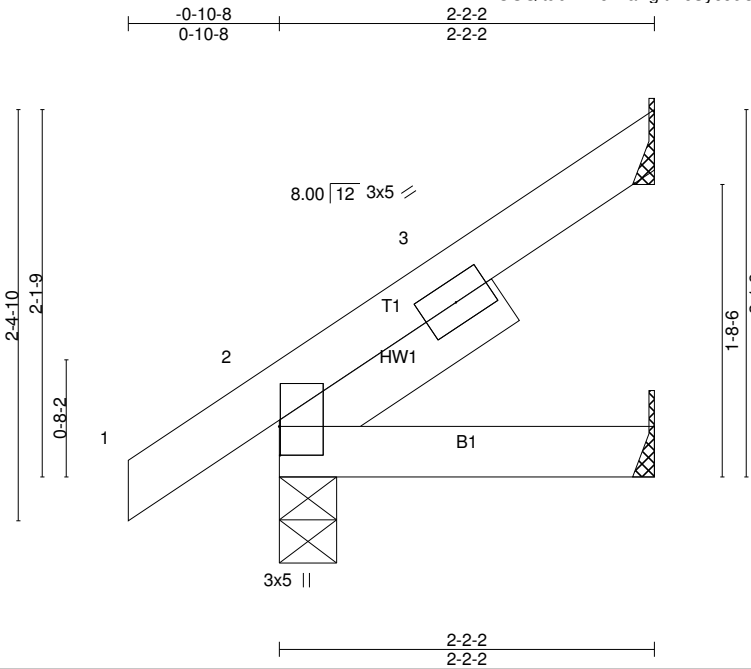


Plate Offsets (X,Y)-- [2:0-2-0,0-0-1]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.08	Vert(LL)	0.00	8	>999	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.04	Vert(CT)	-0.00	8	>999		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.00	2	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP					Weight: 9 lb	FT = 20%
BCDL 10.0	Code IBC2015/TPI2014							

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
SLIDER Left 2x4 SPF Stud -Ø 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=49/Mechanical, 2=148/0-4-0 (min. 0-1-8), 5=25/Mechanical
Max Horz 2=70(LC 12)
Max Uplift 4=42(LC 12), 2=-10(LC 12), 5=-3(LC 12)
Max Grav 4=62(LC 20), 2=148(LC 1), 5=36(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-55/19, 3-4=-30/37
BOT CHORD 2-5=0/0

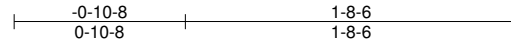
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 42 lb uplift at joint 4, 10 lb uplift at joint 2 and 3 lb uplift at joint 5.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	JC	Jack-Open	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:56 2021 Page 1
ID:1OUQltubALAJMlaPgftmcUyoJ6G-LMloLxOXEYWXYSiyQBZQvEj9f6jG5IORjyYrry9PJT



Scale = 1:11.8

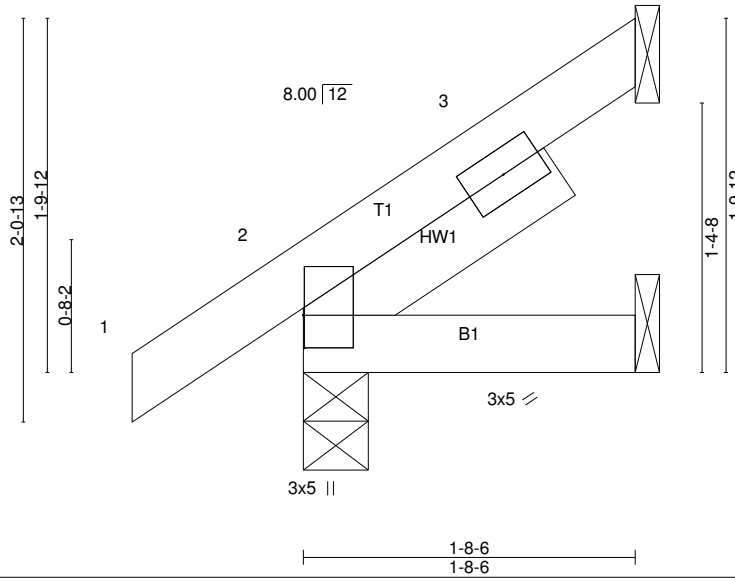


Plate Offsets (X,Y)-- [2:0-2-0,0-0-1]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.08	Vert(LL)	0.00	8	>999	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.02	Vert(CT)	-0.00	8	>999		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.00	2	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP					Weight: 7 lb	FT = 20%
BCDL 10.0	Code IBC2015/TPI2014							

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 SLIDER Left 2x4 SPF Stud -Ø 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 1-8-6 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=36/Mechanical, 2=134/0-4-0 (min. 0-1-8), 5=18/Mechanical
 Max Horz 2=59(LC 12)
 Max Uplift 4=34(LC 12), 2=-10(LC 12), 5=-2(LC 12)
 Max Grav 4=47(LC 20), 2=144(LC 18), 5=27(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-3=-46/29, 3-4=-24/30
 BOT CHORD 2-5=0/0

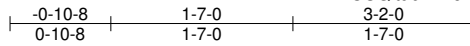
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TC DL=4.2psf; BC DL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 4, 10 lb uplift at joint 2 and 2 lb uplift at joint 5.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	JD	Jack-Partial	8	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:56 2021 Page 1
ID:1OUQItubALAJMlaPgftmcUyoJ6G-LMloXOXEYWXYSiyQBZQvEj9D6il5ivRjyYrry9PJt



Scale = 1:20.0

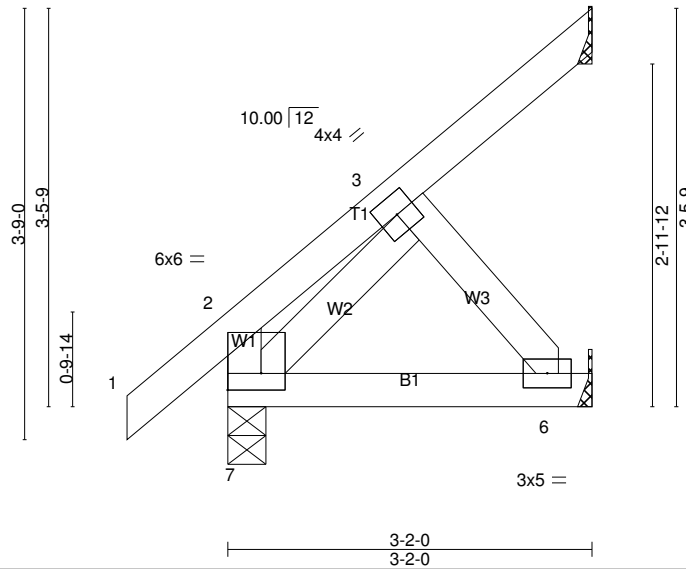


Plate Offsets (X,Y)-- [2:Edge,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.11	Vert(LL)	-0.00	6-7	>999	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.09	Vert(CT)	-0.01	6-7	>999		
TCDL 10.0	Lumber DOL 1.15	WB 0.03	Horz(CT)	-0.00	4	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP					Weight: 15 lb	FT = 20%
BCDL 10.0	Code IBC2015/TPI2014							

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 4=46/Mechanical, 5=61/Mechanical, 7=190/0-4-0 (min. 0-1-8)
Max Horz 7=118(LC 12)
Max Uplift 4=41(LC 12), 5=46(LC 12)
Max Grav 4=57(LC 20), 5=84(LC 20), 7=190(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-7=-161/135, 1-2=0/65, 2-3=-81/96, 3-8=-37/25, 4-8=-32/36
BOT CHORD 6-7=-66/73, 5-6=0/0
WEBS 3-7=-134/81, 3-6=-112/101

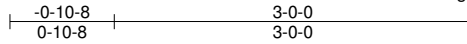
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 3-1-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 4 and 46 lb uplift at joint 5.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

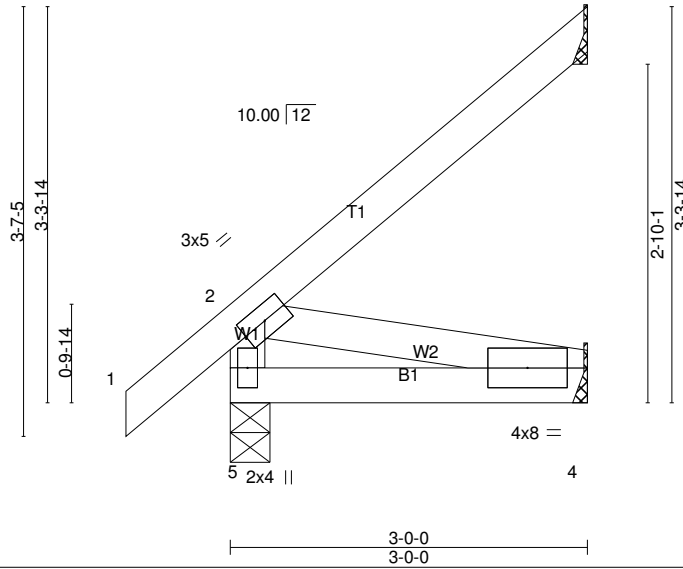
Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	JF	Jack-Open	9	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:57 2021 Page 1
ID:1OUQItubALAJMlaPgftmcUyoJ6G-pZJBZHP9?FeOAcH8_v4fSRFJbW2gqL_aycHPOHy9PjS



Scale = 1:19.3



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.13	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.08	Vert(LL) -0.00 4-5 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.04	Vert(CT) -0.01 4-5 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) -0.00 3 n/a n/a		
	Code IBC2015/TPI2014			Weight: 13 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 5=185/0-4-0 (min. 0-1-8), 3=73/Mechanical, 4=29/Mechanical
Max Horz 5=112(LC 12)
Max Uplift 3=-74(LC 12), 4=-7(LC 12)
Max Grav 5=185(LC 1), 3=94(LC 20), 4=57(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-156/34, 1-2=0/65, 2-6=-67/55, 3-6=-56/69
BOT CHORD 4-5=-135/112
WEBS 2-4=-114/138

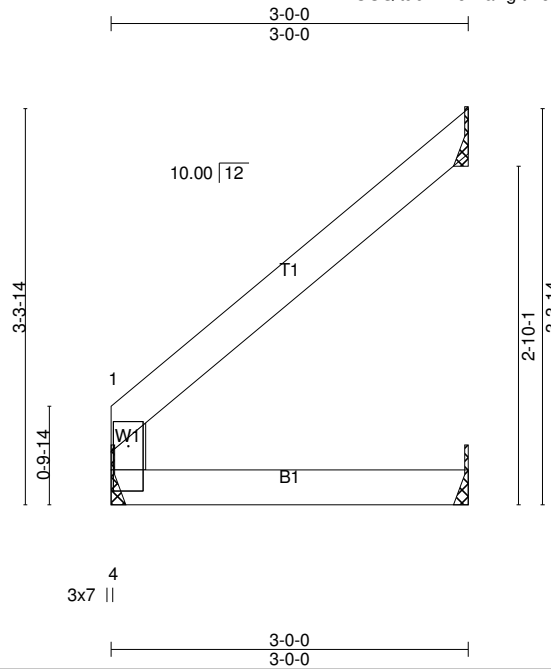
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 2-11-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 3 and 7 lb uplift at joint 4.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	JG	Jack-Open	3	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:57 2021 Page 1
ID:1OUQItubALAJMlaPgftmcUyoJ6G-pZJBZHP9?FeOAcH8_v4SRFJ9W2JqleaycHPOHy9PjS



Scale = 1:19.3

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.16 BC 0.10 WB 0.00 Matrix-MR	Vert(LL) 0.01 Vert(CT) -0.01 Horz(CT) -0.01	3-4 3-4 2	>999 >999 n/a	240 180 n/a	MT20	197/144
TCDL 10.0	Rep Stress Incr YES						Weight: 9 lb	FT = 20%
BCLL 0.0 *	Code IBC2015/TPI2014							
BCDL 10.0								

LUMBER-

TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 4=112/Mechanical, 2=77/Mechanical, 3=35/Mechanical
Max Horz 4=90(LC 12)
Max Uplift 2=-80(LC 12), 3=-4(LC 12)
Max Grav 4=112(LC 1), 2=100(LC 19), 3=54(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-4=-90/8, 1-2=-70/67
BOT CHORD 3-4=0/0

NOTES-

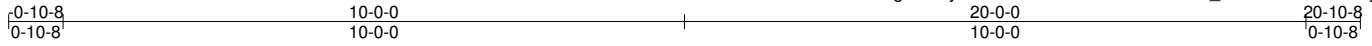
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TC DL=4.2psf; BC DL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 2 and 4 lb uplift at joint 3.
- 7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	JGE	Common Supported Gable	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:58 2021 Page 1
ID:10UQltubALAJMlaPgftmclUyoJ6G-HltZmdQnmZmFnlsLXcbu_foVFwPhZBnkBG1ywjy9PJR



Scale = 1:37.1

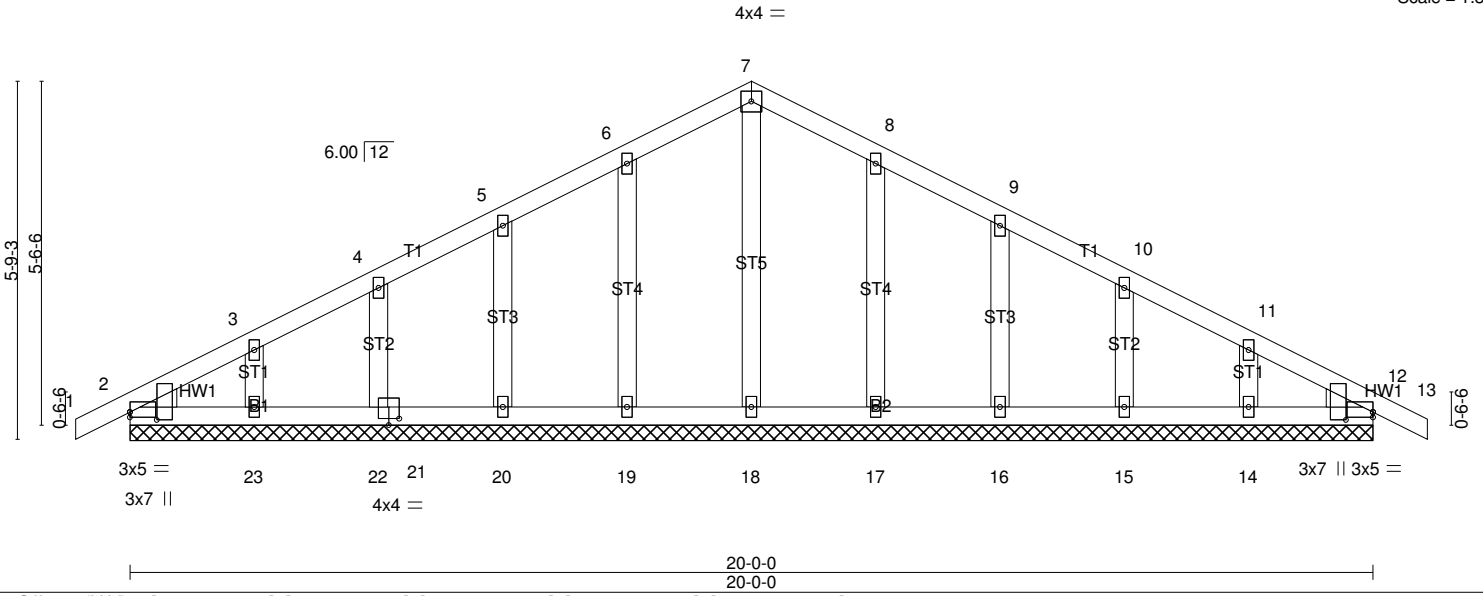


Plate Offsets (X,Y)-- [2:0-0-0,0-1-0], [2:0-1-8,0-5-3], [12:0-1-8,0-5-3], [12:0-0-0,0-1-0], [21:0-2-0,0-1-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.07	Vert(LL)	0.00	12	n/r	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.03	Vert(CT)	0.00	12	n/r		
TCDL 10.0	Lumber DOL 1.15	WB 0.07	Horz(CT)	0.00	12	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 81 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 OTHERS 2x4 SPF Stud
 WEDGE
 Left: 2x4 SPF Stud , Right: 2x4 SPF Stud

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=138/20-0-0 (min. 0-2-11), 18=137/20-0-0 (min. 0-2-11), 19=166/20-0-0 (min. 0-2-11), 20=159/20-0-0 (min. 0-2-11), 22=160/20-0-0 (min. 0-2-11), 23=161/20-0-0 (min. 0-2-11), 17=166/20-0-0 (min. 0-2-11), 16=159/20-0-0 (min. 0-2-11), 15=160/20-0-0 (min. 0-2-11), 14=161/20-0-0 (min. 0-2-11), 12=138/20-0-0 (min. 0-2-11)
 Max Horz 2=71(LC 14)
 Max Uplift 2=-13(LC 15), 19=-59(LC 14), 20=-58(LC 14), 22=-56(LC 14), 23=-71(LC 14), 17=-58(LC 15), 16=-58(LC 15), 15=-56(LC 15), 14=-68(LC 15), 12=-2(LC 11)
 Max Grav 2=146(LC 20), 18=137(LC 1), 19=215(LC 21), 20=167(LC 21), 22=160(LC 1), 23=165(LC 24), 17=215(LC 22), 16=167(LC 22), 15=160(LC 1), 14=164(LC 25), 12=146(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/21, 2-3=-97/52, 3-4=-63/46, 4-5=-55/76, 5-24=-61/118, 24-25=-53/121, 6-25=-53/124, 6-7=-86/171, 7-8=-86/171, 8-26=-53/125, 26-27=-53/121, 9-27=-61/118, 9-10=-41/77, 10-11=-41/31, 11-12=-68/34, 12-13=0/21
 BOT CHORD 2-23=-31/86, 22-23=-31/86, 21-22=-31/86, 20-21=-31/86, 19-20=-31/86, 18-19=-31/86, 17-18=-31/86, 16-17=-31/86, 15-16=-31/86, 14-15=-31/86, 12-14=-31/86
 WEBS 7-18=-97/0, 6-19=-175/136, 5-20=-127/94, 4-22=-120/87, 3-23=-121/121, 8-17=-175/137, 9-16=-127/94, 10-15=-120/87, 11-14=-119/121

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 2-0-0, Exterior(2) 2-0-0 to 10-0-0, Corner(3) 10-0-0 to 13-0-0, Exterior(2) 13-0-0 to 20-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 6) All plates are 2x4 MT20 unless otherwise indicated.
 - 7) Gable requires continuous bottom chord bearing.
 - 8) Gable studs spaced at 2-0-0 oc.
 - 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	JGE	Common Supported Gable	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:58 2021 Page 2
ID:1OUQItubALAJMlaPgftmcUyoJ6G-HItZmdQnmZmFnlSLXcbu_foVFwPhZBnkBG1ywjy9PjR

NOTES-

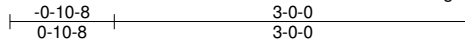
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 2, 59 lb uplift at joint 19, 58 lb uplift at joint 20, 56 lb uplift at joint 22, 71 lb uplift at joint 23, 58 lb uplift at joint 17, 58 lb uplift at joint 16, 56 lb uplift at joint 15, 68 lb uplift at joint 14 and 2 lb uplift at joint 12.
- 12) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 12.
- 13) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	JH	Jack-Open Supported Gable	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:58 2021 Page 1
ID:1OUQltubALAJMlaPggtmclUyoJ6G-HltZmdQnmZmFnlsLXcbu_foVNWpJZC9kBG1ywj9PJr



Scale = 1:19.3

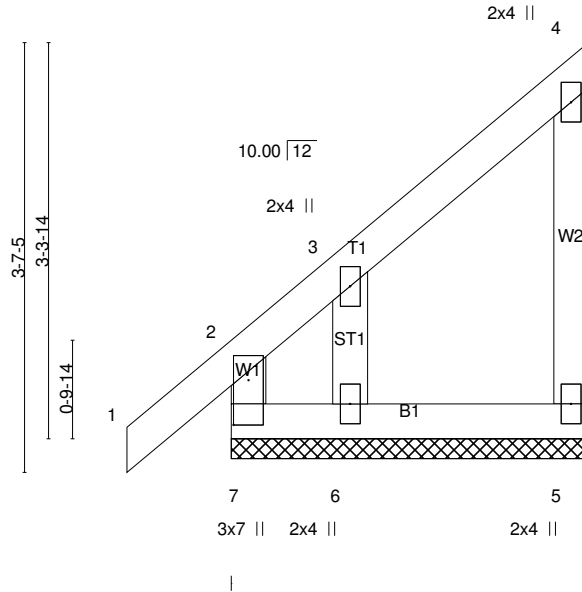


Plate Offsets (X,Y)-- [7:0-4-8,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.13 BC 0.05 WB 0.05 Matrix-R	Vert(LL) 0.00 Vert(CT) -0.00 Horz(CT) 0.00	1 1 5	n/r n/r n/a	120 90 n/a	MT20	197/144
TCDL 10.0	Rep Stress Incr YES						Weight: 14 lb	FT = 20%
BCLL 0.0 *	Code IBC2015/TPI2014							
BCDL 10.0								

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 7=113/3-0-0 (min. 0-1-8), 5=66/3-0-0 (min. 0-1-8), 6=99/3-0-0 (min. 0-1-8)
 Max Horz 7=95(LC 11)
 Max Uplift 7=-30(LC 8), 5=-22(LC 9), 6=-117(LC 12)
 Max Grav 7=175(LC 18), 5=75(LC 20), 6=161(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 2-7=-159/61, 1-2=0/65, 2-3=-160/157, 3-4=-72/69, 4-5=-82/59
 BOT CHORD 6-7=-51/66, 5-6=-51/66
 WEBS 3-6=-171/154

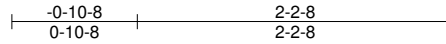
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 2-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 4) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 7) Gable studs spaced at 2-0-0 oc.
 - 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 7, 22 lb uplift at joint 5 and 117 lb uplift at joint 6.
 - 11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

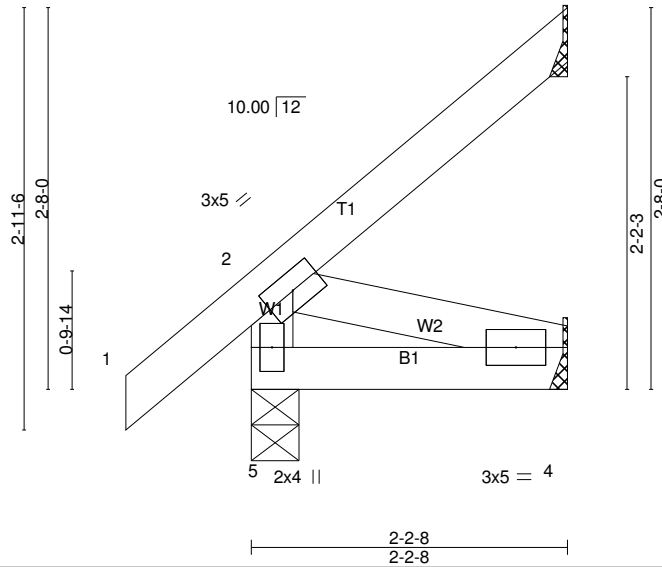
Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	Jl	Jack-Open	2	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:59 2021 Page 1
ID:1OUQItubALAJMlaPgftmcUyoJ6G-lxRx_zQPXtu6PvRX5K67XsLgTKklfctQwmWSAy9PjQ



Scale: 3/4"=1'



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.11	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.04	Vert(LL) -0.00 4-5 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.03	Vert(CT) -0.00 4-5 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) -0.00 3 n/a n/a		
	Code IBC2015/TPI2014			Weight: 10 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 5=158/0-4-0 (min. 0-1-8), 3=44/Mechanical, 4=21/Mechanical
Max Horz 5=86(LC 12)
Max Uplift 3=-49(LC 12), 4=-13(LC 12)
Max Grav 5=169(LC 18), 3=60(LC 20), 4=41(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-148/32, 1-2=0/65, 2-3=-48/51
BOT CHORD 4-5=-108/88
WEBS 2-4=-92/113

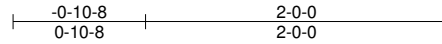
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Refer to girder(s) for truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 3 and 13 lb uplift at joint 4.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

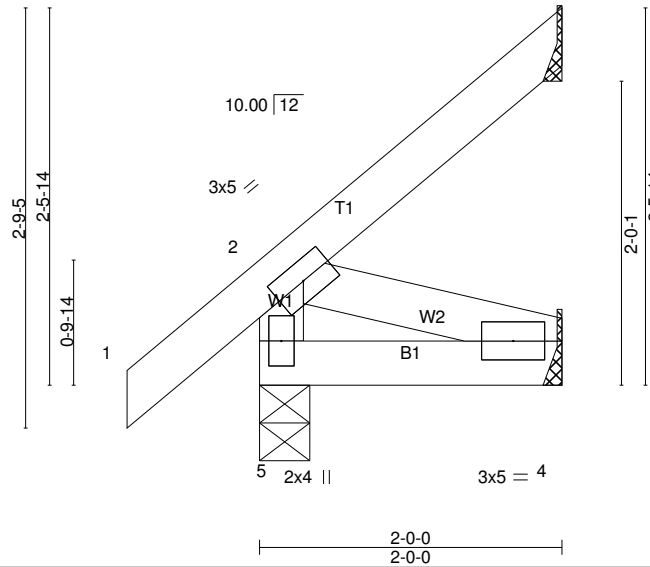
Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	JJ	Jack-Open	4	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:59 2021 Page 1
ID:1OUQItubALAJMlaPgftmclUyoJ6G-lxRx_zQPXtu6PvRX5K67XsLgTKktfdtQwmWSAy9PJQ



Scale = 1:15.2



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.11	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.03	Vert(LL) -0.00 5 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.03	Vert(CT) -0.00 4-5 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) -0.00 3 n/a n/a		
	Code IBC2015/TPI2014			Weight: 9 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 5=152/0-4-0 (min. 0-1-8), 4=19/Mechanical, 3=38/Mechanical
Max Horz 5=81(LC 12)
Max Uplift 4=16(LC 12), 3=43(LC 12)
Max Grav 5=167(LC 18), 4=37(LC 3), 3=53(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-149/32, 1-2=0/65, 2-3=-46/48
BOT CHORD 4-5=-103/84
WEBS 2-4=-88/108

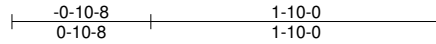
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 4 and 43 lb uplift at joint 3.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

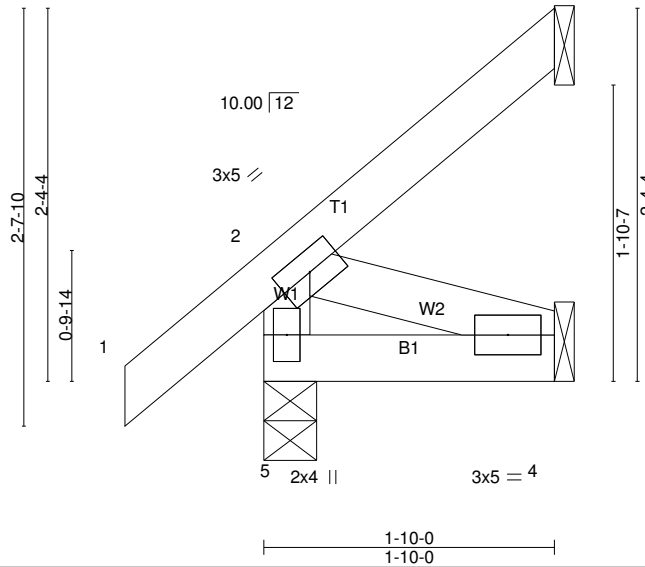
Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	JK	Jack-Open	3	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:06:59 2021 Page 1
ID:1OUQItubALAJMlaPgftmcUyJoJ6G-lxRx_zQPXtu6PvRX5K67XsLgTKkzIfftQwmWSAy9PJQ



Scale = 1:14.5



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.11	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.02	Vert(LL) -0.00 5 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.03	Vert(CT) -0.00 5 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) -0.00 3 n/a n/a		
	Code IBC2015/TPI2014			Weight: 9 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-10-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 5=147/0-4-0 (min. 0-1-8), 3=32/Mechanical, 4=17/Mechanical
Max Horz 5=76(LC 12)
Max Uplift 3=-38(LC 12), 4=-17(LC 12)
Max Grav 5=167(LC 18), 3=45(LC 20), 4=34(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-150/32, 1-2=0/65, 2-3=-44/44
BOT CHORD 4-5=-97/79
WEBS 2-4=-84/103

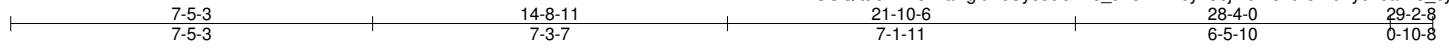
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Refer to girder(s) for truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 3 and 17 lb uplift at joint 4.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	K	Roof Special	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:07:00 2021 Page 1
ID:1OUQItubALAJMlaPgftmcUyoJ6G-D8_JBJR1IA0y130jf1dM34thckx91yc1eaW3_cy9PJp



Scale = 1:47.3

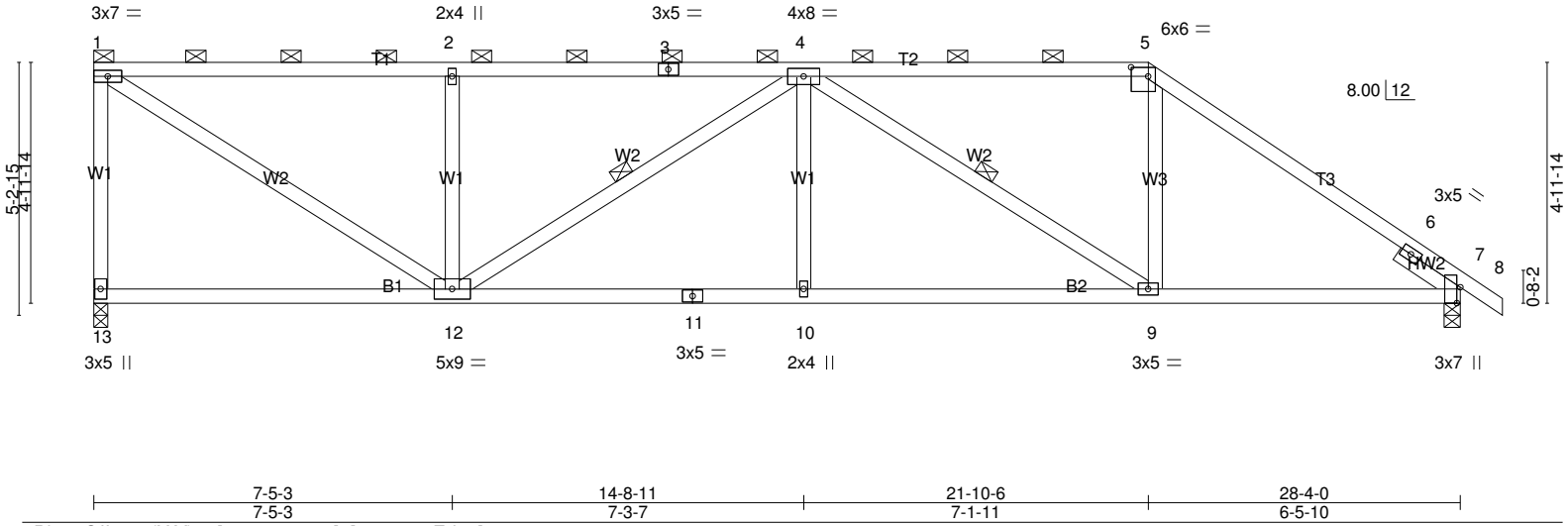


Plate Offsets (X,Y)-- [5:0-4-4,0-2-4], [7:0-3-15,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.72	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.60	Vert(LL) -0.09 9-10 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.69	Vert(CT) -0.21 9-10 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.06 7 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 118 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF Stud
 SLIDER Right 2x4 SPF Stud -δ 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-11-15 oc purlins, except end verticals, and 2-0-0 oc purlins (3-10-9 max.): 1-5.
 BOT CHORD Rigid ceiling directly applied or 9-11-3 oc bracing.
 WEBS 1 Row at midpt 4-12, 4-9

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 13=1127/0-3-8 (min. 0-1-12), 7=1181/0-4-0 (min. 0-1-14)
 Max Horz 13=-146(LC 10)
 Max Uplift 13=-267(LC 8), 7=-182(LC 8)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-13=-1060/302, 1-18=-1377/335, 2-18=-1377/335, 2-3=-1377/335, 3-4=-1377/335, 4-19=-1216/312, 5-19=-1216/312, 5-20=-1483/313, 20-21=-1496/299, 6-21=-1578/293, 6-7=-585/48, 7-8=0/49
 BOT CHORD 12-13=-149/168, 11-12=-346/1762, 10-11=-346/1762, 9-10=-346/1762, 7-9=-164/1230
 WEBS 1-12=-380/1604, 2-12=-468/242, 4-12=-459/113, 4-10=0/292, 4-9=-726/232, 5-9=-29/520

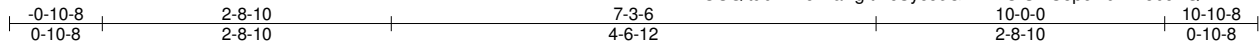
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 21-10-6, Exterior(2) 21-10-6 to 24-10-6, Interior(1) 24-10-6 to 29-2-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 267 lb uplift at joint 13 and 182 lb uplift at joint 7.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	KH	Hip Girder	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:07:01 2021 Page 1
ID:1OUQItubALAJMlaPgftmcUyoJ6G-iKYhOfSf2U8peDbwDI8bcHQzI7PVmZgAtEFcX2y9PJ0



Scale = 1:21.7

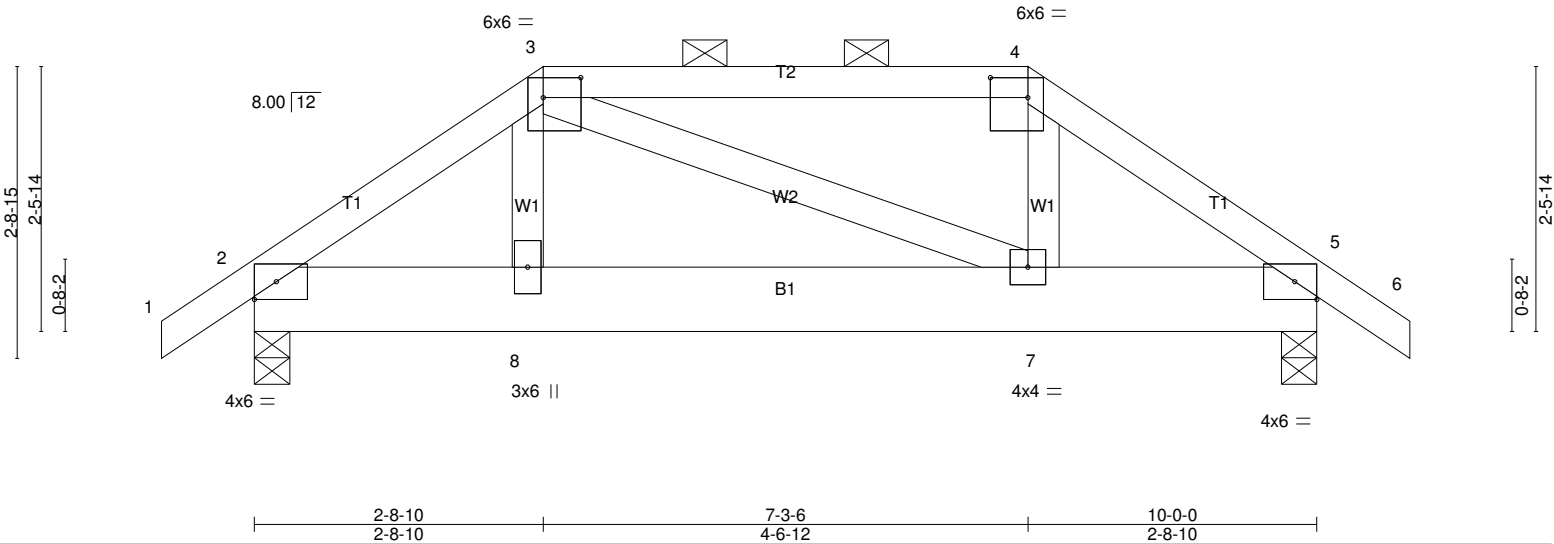


Plate Offsets (X,Y)-- [3:0-4-4,0-2-4], [4:0-4-4,0-2-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.28	Vert(LL)	0.01	7-8	>999	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.08	Vert(CT)	-0.01	7-8	>999		
TCDL 10.0	Lumber DOL 1.15	WB 0.06	Horz(CT)	0.00	5	n/a		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MS					Weight: 55 lb	FT = 20%
BCDL 10.0	Code IBC2015/TPI2014							

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x8 SP No.1
 WEBS 2x4 SPF Stud

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-4.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=498/0-4-0 (min. 0-1-8), 5=498/0-4-0 (min. 0-1-8)
 Max Horz 2=47(LC 11)
 Max Uplift 2=-201(LC 12), 5=-214(LC 13)
 Max Grav 2=523(LC 38), 5=533(LC 39)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-15=-610/301, 3-15=-551/308, 3-16=-489/287, 16-17=-489/287, 17-18=-489/287, 4-18=-489/287,
 4-19=-553/312, 5-19=-612/306, 5-6=0/49
 BOT CHORD 2-20=-214/509, 8-20=-214/509, 8-21=-212/502, 21-22=-212/502, 7-22=-212/502, 7-23=-204/504, 5-23=-204/504
 WEBS 3-8=-33/156, 3-7=-46/54, 4-7=-29/152

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 2-8-10, Exterior(2) 2-8-10 to 6-11-9, Interior(1) 6-11-9 to 7-3-6, Exterior(2) 7-3-6 to 10-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCDL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 201 lb uplift at joint 2 and 214 lb uplift at joint 5.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 75 lb down and 75 lb up at 2-8-10, 80 lb down and 68 lb up at 4-9-6, and 77 lb down and 72 lb up at 6-9-6, and 75 lb down and 75 lb up at 7-3-6 on top chord, and 46 lb down and 49 lb up at 2-0-12, 23 lb down and 27 lb up at 2-9-6, 23 lb down and 27 lb up at 4-9-6, 23 lb down and 27 lb up at 6-9-6, and 23 lb down and 27 lb up at 7-2-10, and 46 lb down and 49 lb up at 7-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	KH	Hip Girder	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:07:01 2021 Page 2
ID:1OUQItubALAJMlaPgftmcUyoJ6G-iKYhOfSf2U8peDbwDI8bcHQzI7PVmZgAtEFcX2y9PJ0

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-60, 3-4=-60, 4-6=-60, 9-12=-20

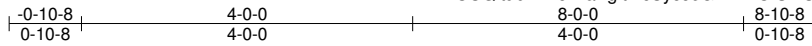
Concentrated Loads (lb)

Vert: 8=-1(F) 7=-1(F) 20=-44(F) 21=-1(F) 22=-1(F) 23=-44(F)

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	L	Common	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:07:01 2021 Page 1
ID:1OUQItubALAJMlaPgftmcUyoJ6G-iKYhOfSf2U8peDbwDI8bcHQ?Q7OQmYaAtEFcX2y9PJ0



4x4 =

Scale = 1:27.8

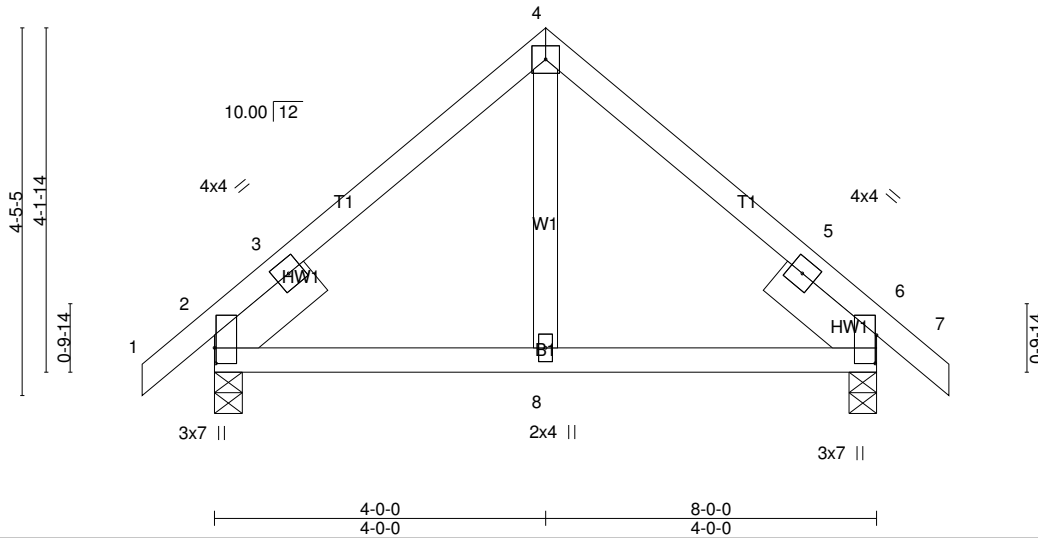


Plate Offsets (X,Y)-- [2:0-2-4,0-0-3], [6:0-4-1,0-0-3]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.14	Vert(LL)	-0.01 8-11	>999	240	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.15	Vert(CT)	-0.02 8-11	>999	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.07	Horz(CT)	-0.01 2	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 33 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF Stud
 SLIDER Left 2x6 SPF 1650F 1.5E -δ 1-6-0, Right 2x6 SPF 1650F 1.5E -δ 1-6-0

BRACING-

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=372/0-4-0 (min. 0-1-8), 6=373/0-4-0 (min. 0-1-8)
 Max Horz 2=79(LC 11)
 Max Uplift 2=66(LC 12), 6=66(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/56, 2-3=-126/0, 3-17=-300/94, 4-17=-257/103, 4-18=-257/103, 5-18=-300/94, 5-6=-126/0, 6-7=0/56
 BOT CHORD 2-8=0/194, 6-8=0/194
 WEBS 4-8=-28/170

NOTES-

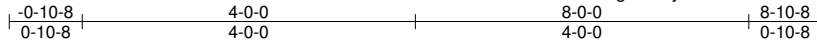
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 4-0-0, Exterior(2) 4-0-0 to 7-0-0, Interior(1) 7-0-0 to 8-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 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 bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 2 and 66 lb uplift at joint 6.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	LGE	Common Supported Gable	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8:500 s Apr 2 2021 Print: 8:500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:07:01 2021 Page 1
ID:1OUQItubALAJMlaPgftmcUyoJ6G-iKYhOisf2U8peDbwDI8bcHQOy7QOmZ?AtEFcX2y9PJ0



4x4 =

Scale = 1:27.6

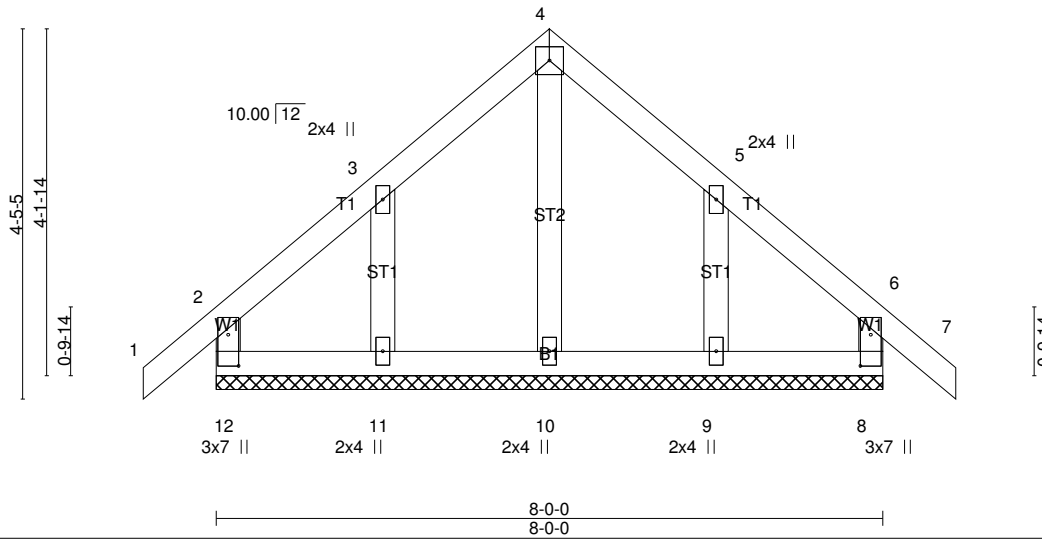


Plate Offsets (X,Y)-- [8:0-4-8,0-1-8], [12:0-4-8,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.11	Vert(LL)	0.00	7	n/r	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.03	Vert(CT)	0.00	6	n/r		
TCDL 10.0	Lumber DOL 1.15	WB 0.04	Horz(CT)	0.00	8	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 33 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 12=137/8-0-0 (min. 0-1-8), 8=137/8-0-0 (min. 0-1-8), 10=155/8-0-0 (min. 0-1-8), 11=155/8-0-0 (min. 0-1-8), 9=155/8-0-0 (min. 0-1-8)
Max Horz 12=96(LC 11)
Max Uplift 12=-44(LC 13), 8=-41(LC 12), 11=-112(LC 12), 9=-110(LC 13)
Max Grav 12=141(LC 21), 8=137(LC 1), 10=155(LC 1), 11=208(LC 20), 9=205(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-12=-120/95, 1-2=0/65, 2-3=-71/61, 3-4=-126/130, 4-5=-125/131, 5-6=-62/53, 6-7=0/65, 6-8=-120/93
BOT CHORD 11-12=-47/54, 10-11=-47/54, 9-10=-47/54, 8-9=-47/54
WEBS 4-10=-115/42, 3-11=-167/127, 5-9=-169/127

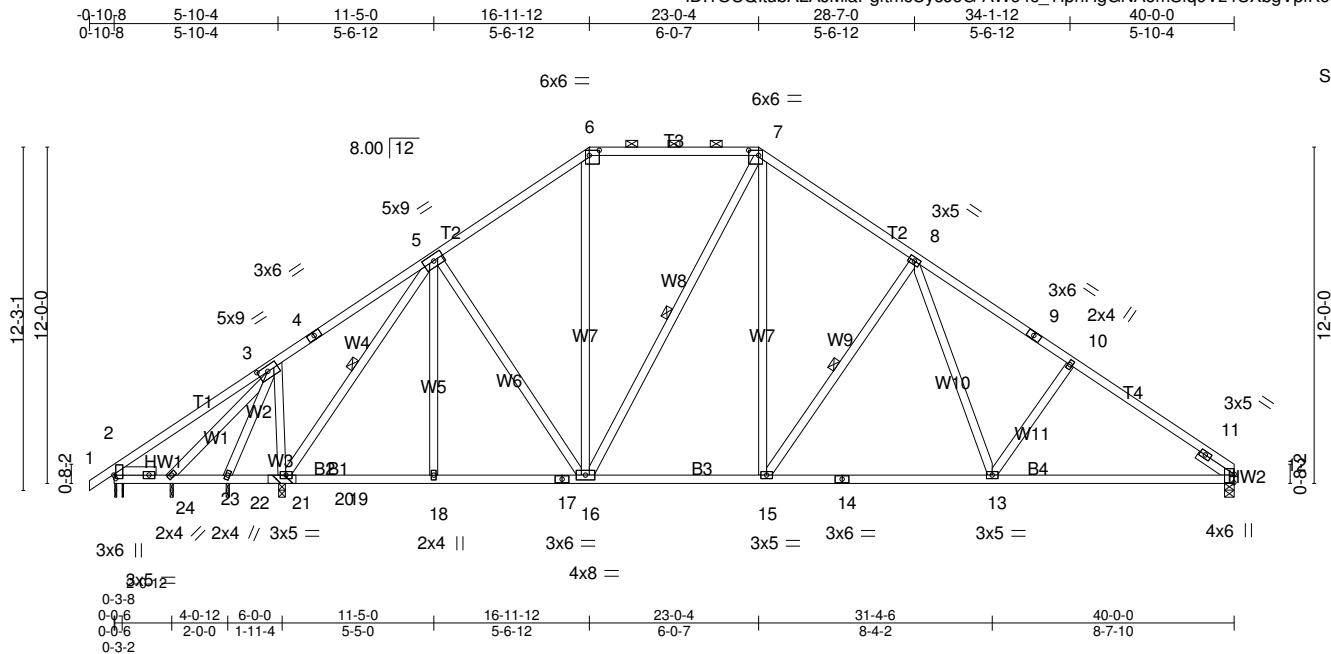
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 2-0-0, Exterior(2) 2-0-0 to 4-0-0, Corner(3) 4-0-0 to 7-0-0, Exterior(2) 7-0-0 to 8-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 4) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 7) Gable studs spaced at 2-0-0 oc.
 - 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 12, 41 lb uplift at joint 8, 112 lb uplift at joint 11 and 110 lb uplift at joint 9.
 - 11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	TA	Piggyback Base	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:07:02 2021 Page 1
 ID:1OUQltubALAJMlaPgftmcUyoJ6G-AW64c_TlpnHgGNA6mStq9Vz4UXbgVpfK6u?A3Vy9PjN



Scale = 1:82.3

Plate Offsets (X,Y)-- [2:0-1-9,0-0-13], [3:0-4-2,0-2-4], [6:0-4-4,0-2-4], [7:0-4-4,0-2-4], [12:0-3-11,0-0-1]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.57	Vert(LL) -0.20 13-15 >999 240	MT20	197/144
(Roof Snow=20.0)	Lumber DOL 1.15	BC 0.73	Vert(CT) -0.35 13-15 >999 180		
TCDL 10.0	Rep Stress Incr YES	WB 0.85	Horz(CT) 0.07 12 n/a n/a		
BCLL 0.0 *	Code IBC2015/TPI2014	Matrix-MS		Weight: 216 lb	FT = 20%
BCDL 10.0					

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF Stud
 SLIDER Left 2x4 SPF Stud -Ø 1-6-0, Right 2x4 SPF Stud -Ø 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-3-12 oc purlins, except 2-0-0 oc purlins (5-5-0 max.): 6-7.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 5-20, 7-16, 8-15

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=111/0-0-12 (min. 0-1-8), 2=111/0-0-12 (min. 0-1-8), 20=1673/(0-3-0 + bearing block) (req. 0-3-1), 12=1340/0-4-0 (min. 0-2-5), 23=92/0-1-8 (min. 0-1-8), 22=37/0-1-8 (min. 0-1-8)
 Max Horz 2=227(LC 9)
 Max Uplift 2=17(LC 8), 20=356(LC 12), 12=235(LC 13), 23=11(LC 12), 22=30(LC 19)
 Max Grav 2=120(LC 18), 2=111(LC 1), 20=1953(LC 20), 12=1469(LC 21), 23=100(LC 3), 22=37(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-33=-76/115, 3-33=-55/193, 3-4=-33/130, 4-5=-18/280, 5-6=-1229/361, 6-34=-946/353, 34-35=-946/353, 7-35=-946/353, 7-8=-1450/395, 8-9=-1928/410, 9-10=-1999/386, 10-36=-2017/386, 11-36=-2133/373, 11-12=-864/0
 BOT CHORD 2-24=-299/388, 23-24=-202/192, 22-23=-230/196, 21-22=-219/192, 20-21=-219/192, 19-20=-84/887, 19-37=-84/887, 18-37=-84/887, 18-38=-84/887, 17-38=-84/887, 16-17=-84/887, 16-39=0/1063, 15-39=0/1063, 14-15=-123/1362, 14-40=-123/1362, 13-40=-123/1362, 12-13=-232/1679
 WEBS 3-23=88/133, 3-22=64/42, 3-20=377/248, 5-20=-1724/251, 5-18=0/274, 5-16=-44/220, 6-16=-70/391, 7-16=-427/113, 7-15=-154/854, 8-15=-667/296, 8-13=-84/486, 10-13=-285/216

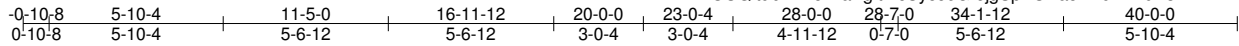
- NOTES-**
- 2x4 SPF No.2 bearing block 12" long at jt. 20 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF 1650F 1.5E.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 3-1-8, Interior(1) 3-1-8 to 16-11-12, Exterior(2) 16-11-12 to 22-7-11, Interior(1) 22-7-11 to 23-0-4, Exterior(2) 23-0-4 to 28-7-0, Interior(1) 28-7-0 to 40-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - 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 bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate at joint(s) 2, 2, 23, 22.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 2, 356 lb uplift at joint 20, 235 lb uplift at joint 12, 11 lb uplift at joint 23 and 30 lb uplift at joint 22.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

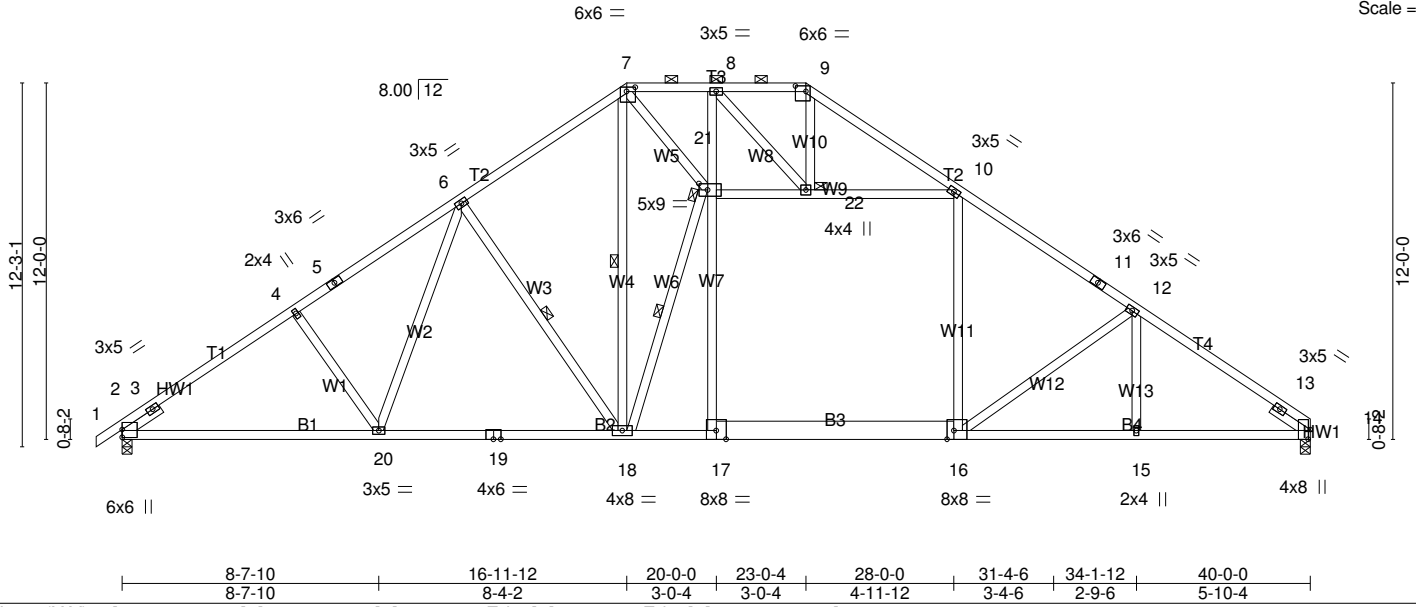
Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	TA1	Piggyback Base	5	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:07:03 2021 Page 1
 ID:1OUQltubALAJMlaPgftmcUyoJ6G-eggSpKUwa5PXuXlIK9B3hiVBLxv0EK9TKYjboxy9PjM



Scale = 1:77.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.82	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.85	Vert(LL) -0.25 18-20 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.64	Vert(CT) -0.44 18-20 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.11 14 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 225 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2 *Except*
 B3: 2x8 SP No.1, B2: 2x4 SPF 1650F 1.5E
 WEBS 2x4 SPF Stud
 SLIDER Left 2x4 SPF Stud -δ 1-6-0, Right 2x4 SPF Stud -δ 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 7-9.
 BOT CHORD Rigid ceiling directly applied or 9-2-11 oc bracing.
 WEBS 1 Row at midpt 6-18, 7-18, 18-21
 JOINTS 1 Brace at Jt(s): 21, 22

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1653/0-4-0 (min. 0-2-13), 14=1599/0-4-0 (min. 0-2-11)
 Max Horz 2=227(LC 9)
 Max Uplift 2=282(LC 12), 14=267(LC 13)
 Max Grav 2=1776(LC 20), 14=1727(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-3=-936/0, 3-31=-2562/447, 4-31=-2481/469, 4-5=-2428/470, 5-6=-2359/493, 6-7=-1898/488, 7-32=-937/315, 8-32=-937/315, 8-33=-705/243, 9-33=-705/243, 9-10=-947/259, 10-34=-2090/467, 11-34=-2178/465, 11-12=-2256/442, 12-35=-2445/462, 13-35=-2564/449, 13-14=-983/67
 BOT CHORD 2-20=-401/2190, 20-36=-256/1894, 19-36=-256/1894, 19-37=-256/1894, 18-37=-256/1894, 17-18=-179/1768, 16-17=-179/1777, 15-16=-297/2034, 14-15=-297/2034
 WEBS 4-20=-268/213, 6-20=-79/462, 6-18=-661/294, 7-18=-555/1838, 18-21=-1309/556, 9-22=-99/301, 12-15=0/192, 17-21=0/224, 8-21=-49/207, 10-16=-8/477, 12-16=-390/206, 21-22=-1258/515, 10-22=-1322/422, 8-22=-325/154, 7-21=-1315/544

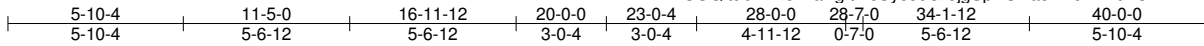
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TC DL=4.2psf; BC DL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-10-8 to 3-1-8, Interior(1) 3-1-8 to 16-11-12, Exterior(2) 16-11-12 to 22-7-11, Interior(1) 22-7-11 to 23-0-4, Exterior(2) 23-0-4 to 28-8-2, Interior(1) 28-8-2 to 40-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BC DL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 282 lb uplift at joint 2 and 267 lb uplift at joint 14.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	TA2	Piggyback Base	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:07:03 2021 Page 1
 ID:1OUQItubALAJMlaPgftmcUyoJ6G-egjSpKUwa5PXuXIIK9B3hiVAIxx_EGrTKYkjbx99PjM



Scale = 1:77.0

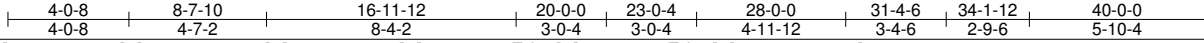
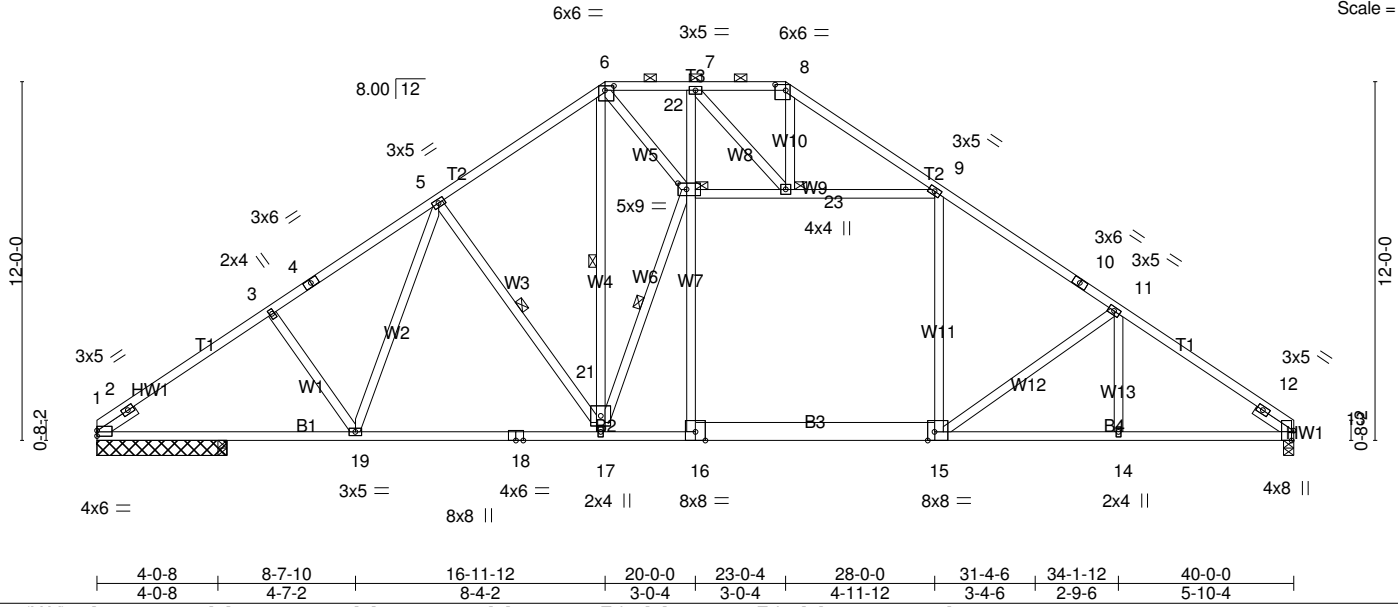


Plate Offsets (X,Y)-- [1:0-0-0,0-2-3], [6:0-3-8,0-1-12], [8:0-4-4,0-2-4], [13:0-3-15,Edge], [15:0-2-12,Edge], [22:0-3-8,0-2-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.85	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.85	Vert(LL) -0.24 17-19 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.85	Vert(CT) -0.45 17-19 >953 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.11 13 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 223 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2 *Except*
 B3: 2x8 SP No.1
 WEBS 2x4 SPF Stud
 SLIDER Left 2x4 SPF Stud -δ 1-6-0, Right 2x4 SPF Stud -δ 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-8.
 BOT CHORD Rigid ceiling directly applied or 9-1-12 oc bracing.
 WEBS 1 Row at midpt 5-21, 6-17, 21-22
 JOINTS 1 Brace at Jt(s): 22, 23

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=1538/4-4-0 (min. 0-2-10), 13=1593/0-4-0 (min. 0-2-11), 20=69/0-3-8 (min. 0-1-8)
 Max Horz 1=-220(LC 8)
 Max Uplift 1=-262(LC 12), 13=-271(LC 13), 20=-5(LC 12)
 Max Grav 1=1675(LC 19), 13=1725(LC 20), 20=120(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-809/55, 2-32=-2517/463, 3-32=-2433/485, 3-4=-2383/486, 4-5=-2315/510, 5-6=-1856/483, 6-33=-921/299, 7-33=-921/299, 7-34=-687/243, 8-34=-687/243, 8-9=-925/249, 9-35=-2086/471, 10-35=-2173/468, 10-11=-2252/446, 11-36=-2443/464, 12-36=-2562/451, 12-13=-982/69
 BOT CHORD 1-20=-399/2149, 19-20=-399/2149, 19-37=-252/1869, 18-37=-252/1869, 17-18=-252/1869, 16-17=-183/1765, 15-16=-183/1772, 14-15=-298/2032, 13-14=-298/2032
 WEBS 3-19=-250/215, 5-19=-76/425, 5-21=-640/290, 17-21=0/276, 6-21=-520/1762, 21-22=-1256/522, 8-23=-98/291, 11-14=0/193, 16-22=0/221, 7-22=-37/193, 9-15=-7/479, 11-15=-388/207, 22-23=-1235/497, 9-23=-1321/418, 6-22=-1231/496, 7-23=-336/143

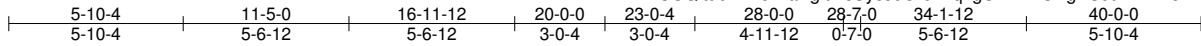
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 4-0-0, Interior(1) 4-0-0 to 16-11-12, Exterior(2) 16-11-12 to 22-7-11, Interior(1) 22-7-11 to 23-0-4, Exterior(2) 23-0-4 to 28-8-2, Interior(1) 28-8-2 to 40-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 262 lb uplift at joint 1, 271 lb uplift at joint 13 and 5 lb uplift at joint 20.
 - 7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	TA3	Piggyback Base	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:07:04 2021 Page 1
ID:1OUQltubALAJMlaPgftmcUyoJ6G-6vEq1gUYLPXOVgKUUtilEw2PcLIYzkzcZCUG8Ny9PJL



Scale = 1:77.3

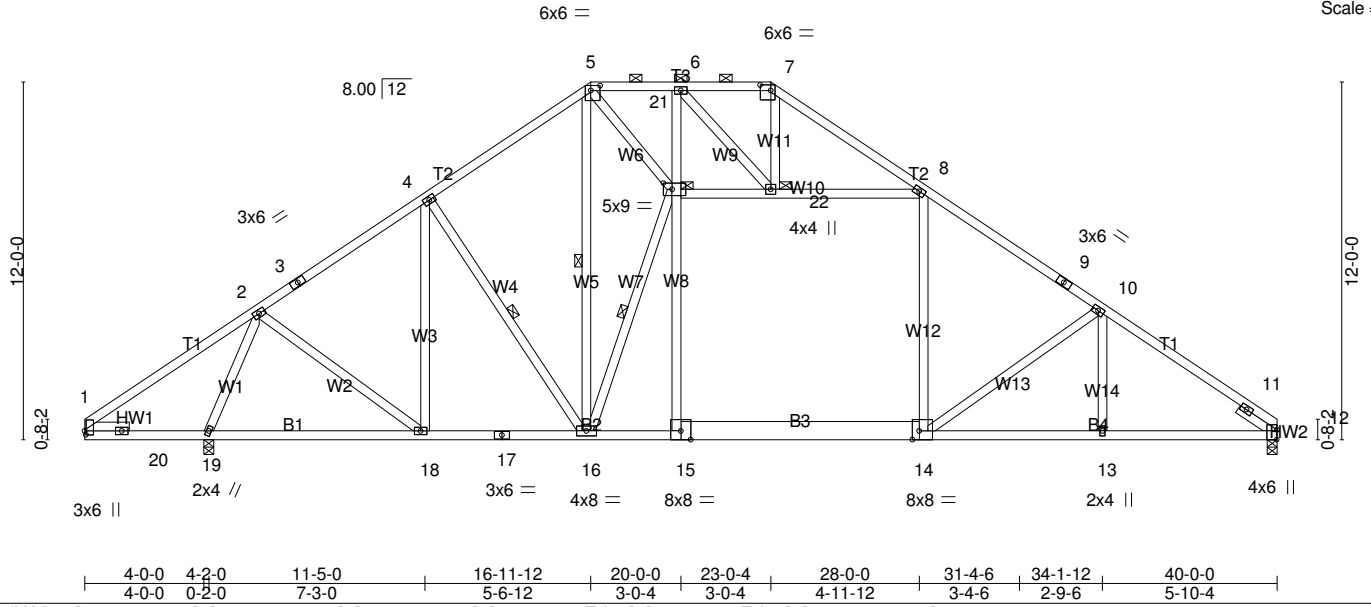


Plate Offsets (X,Y)-- [1:0-1-9,0-0-9], [5:0-3-12,0-2-0], [7:0-4-4,0-2-4], [12:0-3-15,Edge], [14:0-2-12,Edge], [21:0-3-8,0-2-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.59	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.70	Vert(LL) 0.14 13-14 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.79	Vert(CT) -0.27 13-14 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.07 12 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 231 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2 *Except*
 B3: 2x8 SP No.1
 WEBS 2x4 SPF Stud
 SLIDER Left 2x4 SPF Stud -δ 1-6-0, Right 2x4 SPF Stud -δ 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-1-13 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-7.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 1-19.
 WEBS 1 Row at midpt 4-16, 5-16, 16-21
 JOINTS 1 Brace at Jt(s): 21, 22

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 19=1783/0-4-0 (min. 0-2-14), 12=1417/0-4-0 (min. 0-2-6)
 Max Horz 19=220(LC 11)
 Max Uplift 19=-298(LC 12), 12=-246(LC 13)
 Max Grav 19=1843(LC 19), 12=1532(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-31=-139/233, 2-31=-117/333, 2-3=-1419/278, 3-4=-1280/301, 4-5=-1391/398, 5-32=-490/293, 6-32=-490/293, 6-33=-426/202, 7-33=-426/202, 7-8=-600/246, 8-34=-1753/401, 9-34=-1839/399, 9-10=-1919/376, 10-35=-2127/399, 11-35=-2246/386, 11-12=-860/42
 BOT CHORD 1-20=-262/433, 19-20=-203/175, 18-19=-198/644, 17-18=-135/1195, 16-17=-135/1195, 15-16=-123/1473, 14-15=-122/1484, 13-14=-246/1773, 12-13=-246/1773
 WEBS 2-19=-1791/447, 2-18=-55/760, 4-18=-297/129, 4-16=-186/181, 5-16=-531/1588, 16-21=-1618/568, 7-22=-92/115, 10-13=0/204, 15-21=0/306, 6-21=-188/197, 8-14=-11/480, 10-14=-411/208, 21-22=-1390/527, 8-22=-1317/426, 5-21=-1348/548, 6-22=-157/167

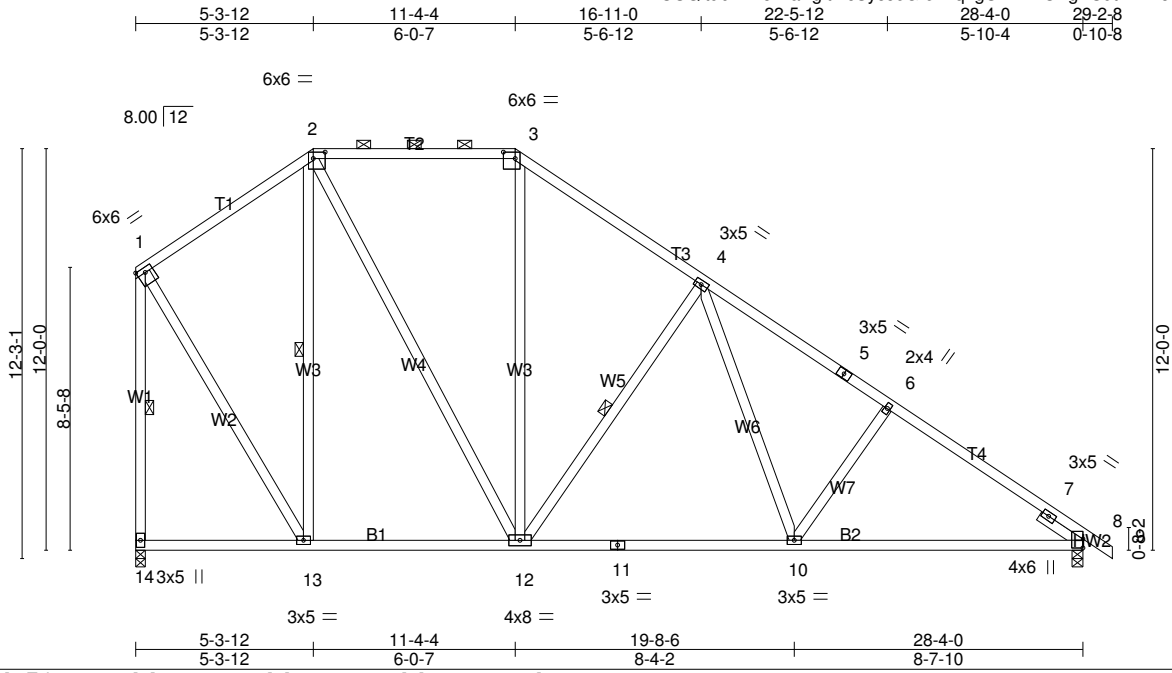
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 4-0-0, Interior(1) 4-0-0 to 16-11-12, Exterior(2) 16-11-12 to 22-7-11, Interior(1) 22-7-11 to 23-0-4, Exterior(2) 23-0-4 to 28-8-2, Interior(1) 28-8-2 to 40-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) All plates are 3x5 MT20 unless otherwise indicated.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 298 lb uplift at joint 19 and 246 lb uplift at joint 12.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	TA4	Piggyback Base	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:07:04 2021 Page 1
 ID:1OUQltubALAJMlaPgftmclUyoJ6G-6vEq1gUYLPXOVgKUutilEw2JKLJczoycZCUG8Ny9PJL



Scale = 1:68.9

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.99 BC 0.63 WB 0.54	Vert(LL) -0.17 Vert(CT) -0.29 Horz(CT) 0.04	10-12 10-12 8	>999 >999 n/a	240 180 n/a	MT20	197/144
TCDL 10.0 BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IBC2015/TPI2014	Matrix-MS					Weight: 159 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF Stud
 SLIDER Right 2x4 SPF Stud -δ 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-1-7 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-3.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 2-13, 4-12, 1-14

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 14=1127/0-3-8 (min. 0-2-0), 8=1181/0-4-0 (min. 0-2-0)
 Max Horz 14=-318(LC 10)
 Max Uplift 14=-182(LC 13), 8=-217(LC 13)
 Max Grav 14=1276(LC 21), 8=1263(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-19=-674/261, 19-20=-601/272, 2-20=-590/283, 2-21=-783/320, 21-22=-783/320, 3-22=-783/320, 3-23=-917/332, 4-23=-1004/308, 4-5=-1430/343, 5-6=-1571/319, 6-24=-1640/318, 7-24=-1706/296, 7-8=-778/0, 8-9=0/49, 1-14=-1185/289
 BOT CHORD 14-25=-290/295, 13-25=-290/295, 13-26=-61/536, 12-26=-61/536, 11-12=-42/1041, 11-27=-42/1041, 10-27=-42/1041, 8-10=-154/1327
 WEBS 2-13=-552/214, 2-12=-149/656, 3-12=-23/260, 4-12=-675/297, 4-10=-87/508, 6-10=-300/218, 1-13=-162/876

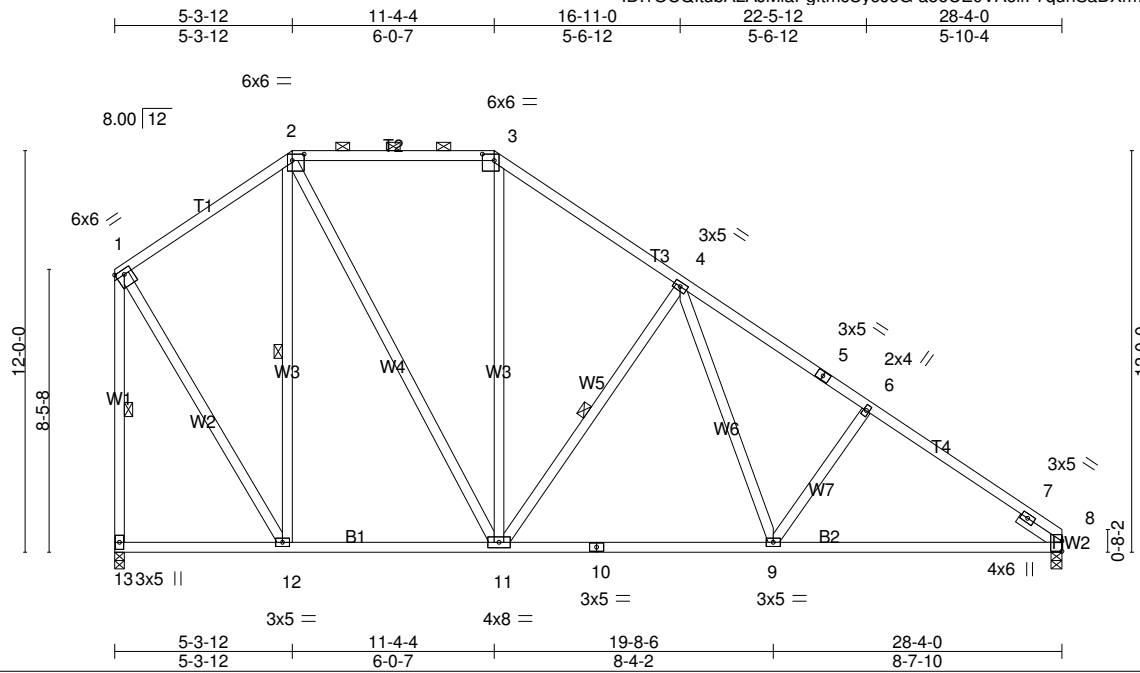
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 5-3-12, Exterior(2) 5-3-12 to 9-6-11, Interior(1) 9-6-11 to 11-4-4, Exterior(2) 11-4-4 to 15-7-2, Interior(1) 15-7-2 to 29-2-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 182 lb uplift at joint 14 and 217 lb uplift at joint 8.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	TA5	Piggyback Base	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:07:05 2021 Page 1
ID:1OUQltubALAJMlaPgftmcUyoJ6G-a5oCE0VA6iff7quhSaDXm7bU4lftiFBmosDaggy9PjK



Scale = 1:68.9

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.99 BC 0.63 WB 0.54	Vert(LL) -0.17 Vert(CT) -0.29 Horz(CT) 0.04	9-11 9-11 8	>999 >999 n/a	240 180 n/a	MT20	197/144
TCDL 10.0 BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IBC2015/TPI2014	Matrix-MS					Weight: 158 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud
SLIDER Right 2x4 SPF Stud -δ 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-3.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-12, 4-11, 1-13

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 13=1128/0-3-8 (min. 0-2-0), 8=1128/0-4-0 (min. 0-1-14)
Max Horz 13=-310(LC 10)
Max Uplift 13=-182(LC 13), 8=-201(LC 13)
Max Grav 13=1276(LC 20), 8=1214(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-18=-674/261, 18-19=-601/272, 2-19=-590/283, 2-20=-783/321, 20-21=-783/321, 3-21=-783/321, 3-22=-918/333,
4-22=-1004/309, 4-5=-1434/348, 5-6=-1575/324, 6-23=-1644/323, 7-23=-1710/311, 7-8=-795/0, 1-13=-1185/289
BOT CHORD 13-24=-279/288, 12-24=-279/288, 12-25=-66/525, 11-25=-66/525, 10-11=-67/1037, 10-26=-67/1037, 9-26=-67/1037,
8-9=-183/1335
WEBS 2-12=-552/214, 2-11=-149/657, 3-11=-24/260, 4-11=-677/297, 4-9=-88/512, 6-9=-301/219, 1-12=-162/876

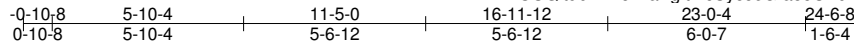
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 5-3-12, Exterior(2) 5-3-12 to 9-6-11, Interior(1) 9-6-11 to 11-4-4, Exterior(2) 11-4-4 to 15-7-2, Interior(1) 15-7-2 to 28-4-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 182 lb uplift at joint 13 and 201 lb uplift at joint 8.
 - 7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	TA6	Piggyback Base	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:07:05 2021 Page 1
 ID:1OUQltubALAJMlaPgftmcUyoJ6G-a5oCE0VA6ifF7quhSaDXm7baClfUiEzmosDgpy9PJk



Scale = 1:70.4

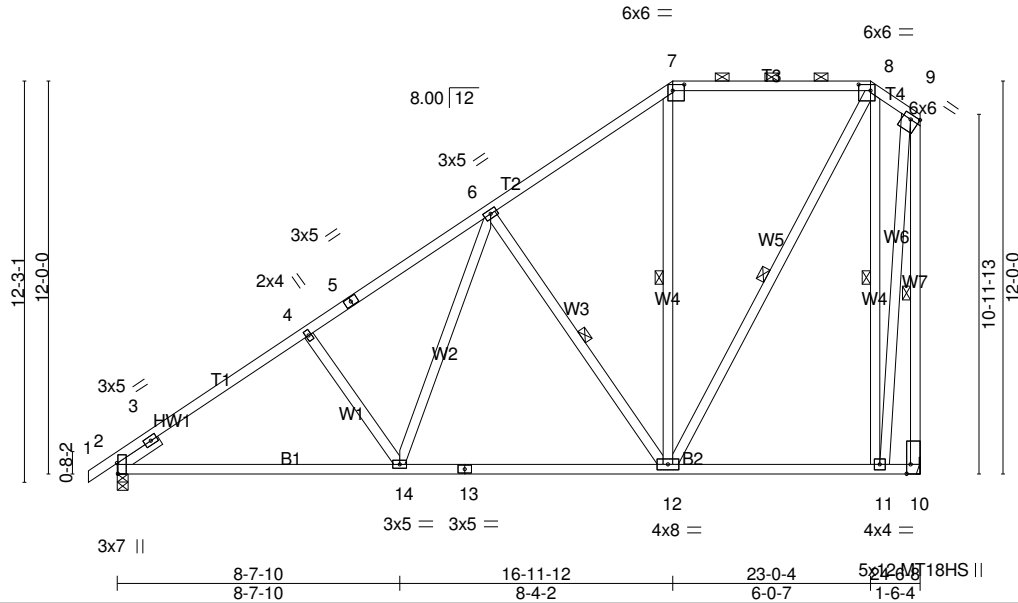


Plate Offsets (X,Y)-- [2:0-3-15,Edge], [7:0-4-4,0-2-4], [8:0-4-4,0-2-4], [9:Edge,0-1-12], [10:0-3-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.60	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.59	Vert(LL) -0.18 12-14 >999 240	MT18HS	197/144
TCDL 10.0	Lumber DOL 1.15	WB 0.62	Vert(CT) -0.28 12-14 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.03 10 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 158 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF Stud *Except*
 W7: 2x4 SP DSS
 SLIDER Left 2x4 SPF Stud -Ø 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-9-2 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-8.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-11-7 oc bracing: 2-14.
 WEBS 1 Row at midpt 6-12, 7-12, 8-12, 8-11, 9-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1029/0-4-0 (min. 0-1-12), 10=975/Mechanical
 Max Horz 2=344(LC 11)
 Max Uplift 2=188(LC 12), 10=189(LC 12)
 Max Grav 2=1097(LC 20), 10=1105(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-3=-727/0, 3-19=-1429/247, 4-19=-1367/269, 4-5=-1294/270, 5-6=-1173/294, 6-20=-741/257, 7-20=-656/280, 7-21=-578/279, 21-22=-578/279, 8-22=-578/279, 8-9=-383/318, 9-10=-1130/345
 BOT CHORD 2-14=-423/1260, 14-23=-305/914, 13-23=-305/914, 13-24=-305/914, 12-24=-305/914, 12-25=-134/180, 11-25=-134/180, 10-11=-169/186
 WEBS 4-14=-313/220, 6-14=-90/525, 6-12=-680/297, 7-12=-35/144, 8-12=-238/874, 8-11=-843/357, 9-11=-242/1023

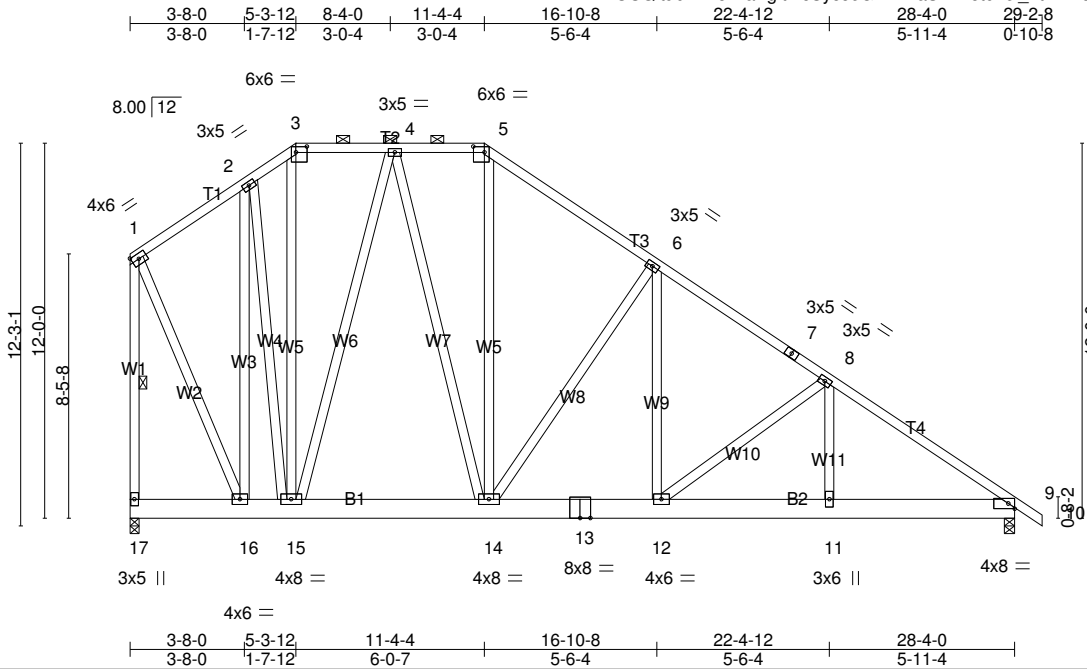
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-11-12, Exterior(2) 16-11-12 to 21-2-11, Interior(1) 21-2-11 to 23-0-4, Exterior(2) 23-0-4 to 24-4-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) All plates are MT20 plates unless otherwise indicated.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 8) Refer to girder(s) for truss to truss connections.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 188 lb uplift at joint 2 and 189 lb uplift at joint 10.
 - 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	TB	Piggyback Base Girder	1	2	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:07:06 2021 Page 1
 ID:1OUQItubALAJMlaPgftmcUyJoJ6G-2HMaSMWot0n6l_Tt?lkmJL7oQ86ARk_v1WzNCCgy9PJ



Scale = 1:73.8

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.44	Vert(LL)	-0.03	12	>999	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.12	Vert(CT)	-0.06	12	>999		
TCDL 10.0	Lumber DOL 1.15	WB 0.44	Horz(CT)	0.01	9	n/a		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MS						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 499 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x8 SP No.1
 WEBS 2x4 SPF Stud

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 1-17

REACTIONS. (lb/size) 17=2649/0-3-8 (min. 0-2-1), 9=1398/0-4-0 (min. 0-1-8)
 Max Horz 17=-313(LC 10)
 Max Uplift 17=-722(LC 13), 9=-295(LC 13)
 Max Grav 17=2655(LC 2), 9=1438(LC 39)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-21=-1087/449, 21-22=-1031/459, 2-22=-1004/463, 2-3=-1110/504, 3-23=-904/435, 4-23=-904/435, 4-24=-1062/431, 5-24=-1062/431, 5-25=-1257/469, 6-25=-1343/445, 6-7=-1588/454, 7-8=-1726/430, 8-26=-1979/436, 9-26=-2056/413, 9-10=0/49, 1-17=-2526/778
 BOT CHORD 16-17=-294/295, 15-16=-238/893, 15-27=-178/988, 27-28=-178/988, 14-28=-178/988, 13-14=-146/1335, 12-13=-146/1335, 11-12=-252/1612, 9-11=-252/1612
 WEBS 3-15=-207/486, 4-15=-721/358, 4-14=-283/614, 5-14=-138/490, 6-14=-694/279, 6-12=-47/403, 8-12=-432/205, 8-11=0/194, 2-16=-637/298, 1-16=-606/2054, 2-15=-177/436

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TC DL=4.2psf; BC DL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 5-3-12, Exterior(2) 5-3-12 to 9-6-11, Interior(1) 9-6-11 to 11-4-4, Exterior(2) 11-4-4 to 15-7-2, Interior(1) 15-7-2 to 29-2-8 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - 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 bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 722 lb uplift at joint 17 and 295 lb uplift at joint 9.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1780 lb down and 626 lb up at 3-8-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Barnes - Beverly A
BARNES FILE 2	TB	Piggyback Base Girder	1	2	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Mon Dec 13 11:07:06 2021 Page 2
ID:1OUQItubALAJMlaPgftmcUyoJ6G-2HMaSMWot0n6l_Tt?lkmJL7oQ86ARk_v1WzNCGy9PjJ

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-60, 3-5=-60, 5-10=-60, 17-18=-20

Concentrated Loads (lb)

Vert: 16=-1739(B)