CHARLESTON CLASSIC / CUSTOM

FRONT ELEVATION
9' CEILING HEIGHT

NOTES:

CONTINUOUS RIDGE VENTS ALL ROOF RIDGES

4" WRAP AROUND DOORS & WINDOWS ON FRONT OF HOME

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

06/14/2023

Harnett COUNTY NORTH CAROLINA

CHARLESTON CLASSIC / CUSTOM

REAR ELEVATION
9' CEILING HEIGHT

DRAWN BY: SG
DATE: 5/5/2023
SCALE: 1/8" = 1'-0"
PLAN: 1

SQUARE FOOTAGES (2400)
CRAWL SPACE: 2400
1ST FL: 2400
BONUS ROOM: 253
GARAGE: 555
PORCH: 28

CUSTOM BUILT FOR:
CARLTON & ALYAHELODY CAPERS

JOB #: DUTCO 023 0216
CN #: 34598
VN #: CA354

LOCATION:
630 SUNRIDGE RD.
CAMERON, NC 28326
HARNETT COUNTY

Raleigh/Durham, NC
182 West Hamlin Road
Benson, NC 27504
(877) 267-3482
www.schumacherhomes.com

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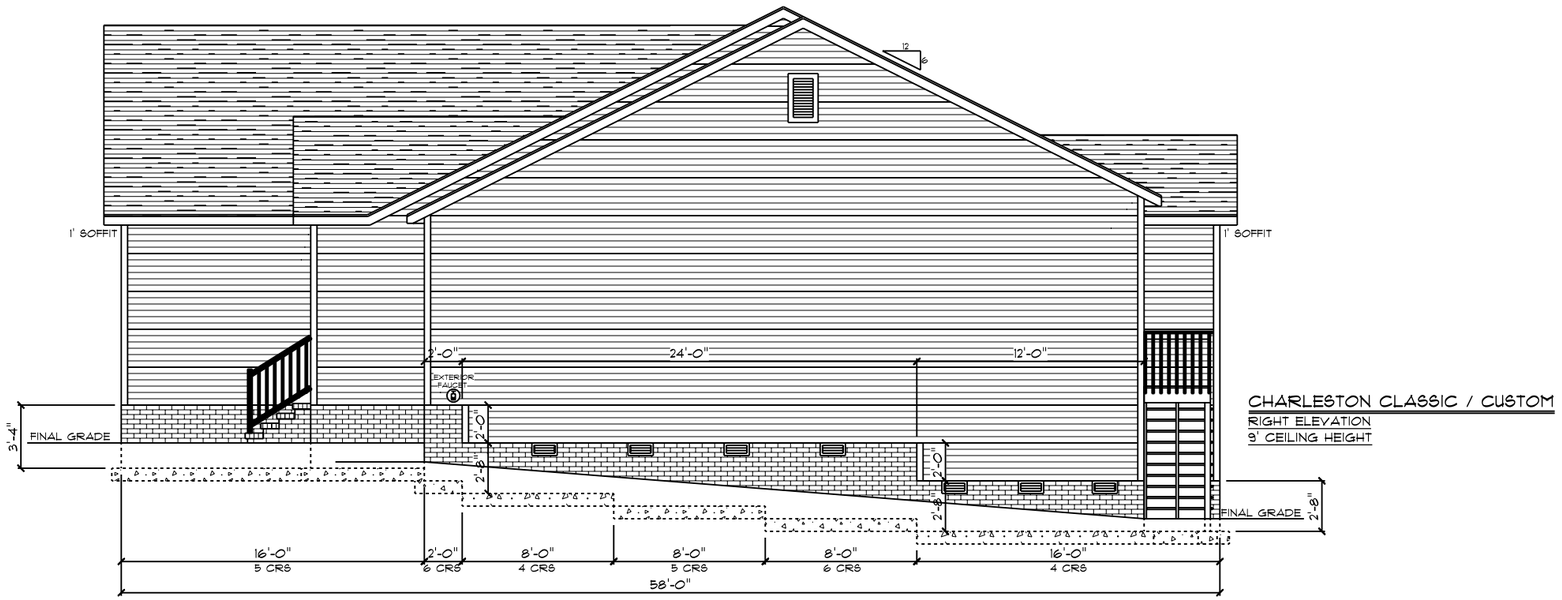
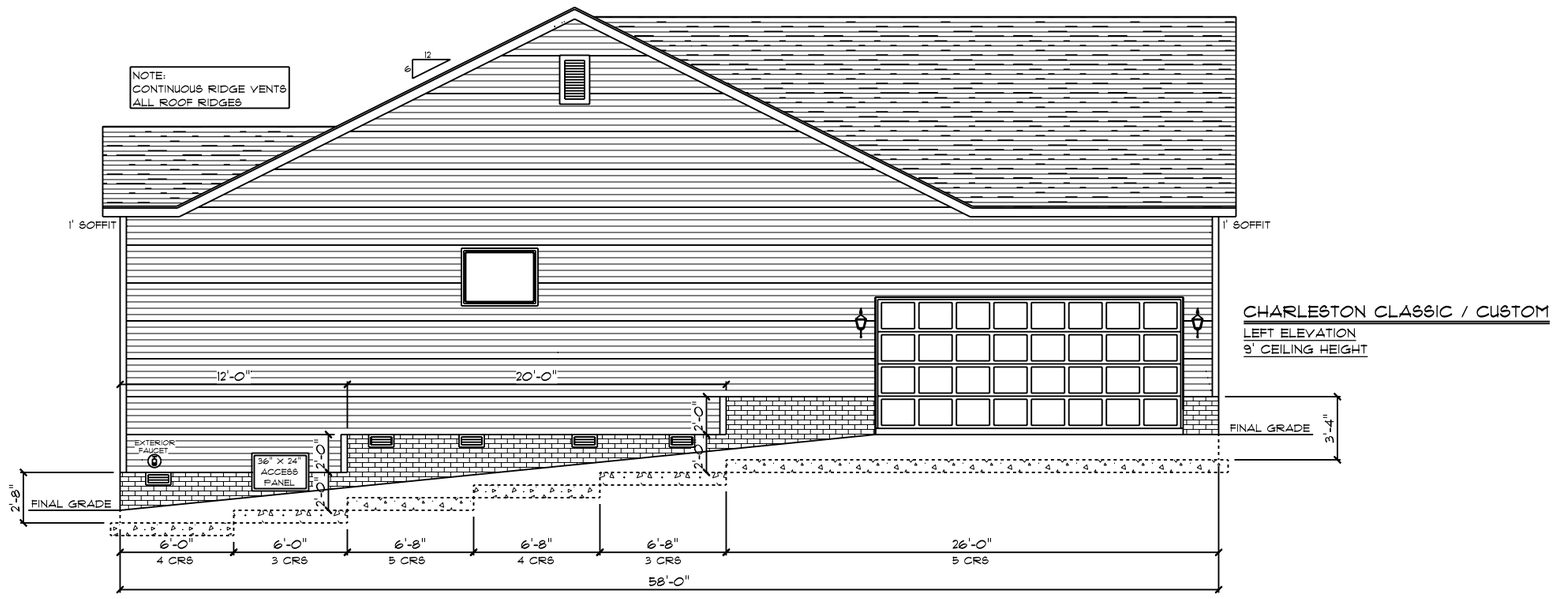


CHARLESTON CLASSIC / CUSTOM

RIGHT ELEVATION
9' CEILING HEIGHT



CHARLESTON CLASSIC / CUSTOM

LEFT ELEVATION
9' CEILING HEIGHT

DRAWN BY: SG
DATE: 5/5/2023
SCALE: 1/8" = 1'-0"
SHEET: 2

SQUARE FOOTAGES (2400)

CRAWL SPACE:	2400
1ST FL:	2400
BONUS ROOM:	253
GARAGE:	555
PORCH:	28

CUSTOM BUILT FOR:
CARLTON & ALYAMELODY CAPERS

JOB #: DU100 023 0216

CN #: 34598

VN # CA354

LOCATION:
630 SUNRIDGE RD.
CAMERON, NC 28326
HARNETT COUNTY

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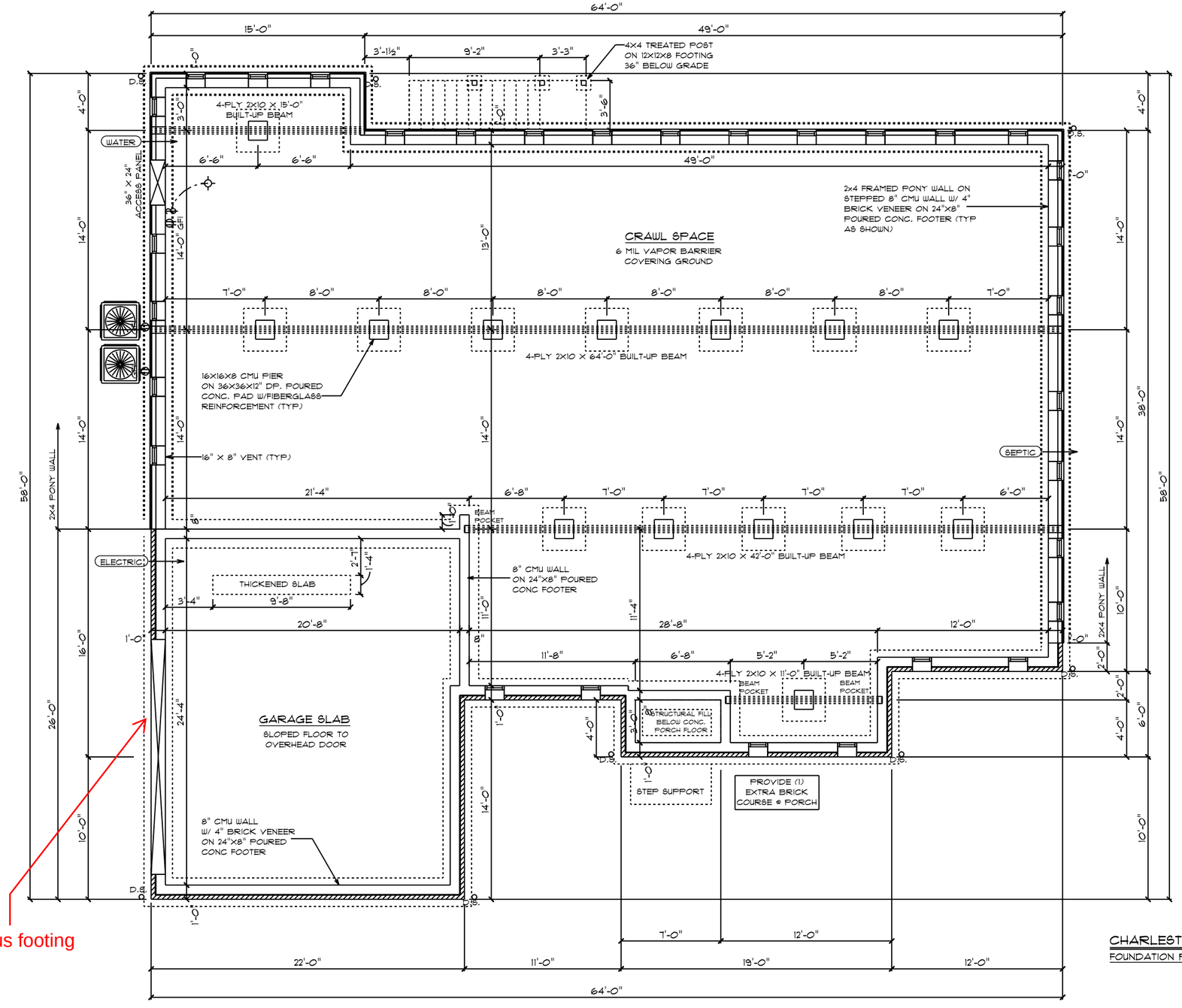

Continuous footing required

CHARLESTON CLASSIC / CUSTOM

FOUNDATION PLAN

FOUNDATION NOTES:

1. BRICK VENEER ALL EXPOSED FOUNDATION
2. BOTTOM OF PIER PADS ELEVATION SHALL BE 2" BELOW BOTTOM OF CONT. FOOTER ELEVATION.
3. CONCRETE & MASONRY FOUNDATION WALLS SHALL EXTEND ABOVE FINISHED GRADE ADJACENT TO THE FOUNDATION A MIN. OF 4" WHERE MASONRY VENEER IS USED AND 6" MIN. ELSEWHERE.
4. ALL SILLS, PLATES, OR BAND JOISTS THAT REST ON OR IN CONTACT WITH CONCRETE OR MASONRY EXTERIOR WALLS SHALL REQUIRE THE USE OF PRESSURE PRESERVATIVE TREATMENT.

PIERS:

1. THE UNSUPPORTED HEIGHT OF MASONRY PIERS SHALL NOT EXCEED 10 TIMES THEIR LEAST DIMENSION. WHEN HOLLOW CONCRETE MASONRY UNITS ARE USED FOR ISOLATED PIERS TO SUPPORT BEAMS AND GIRDERS, THE CELLULAR SPACES SHALL BE FILLED SOLIDLY WITH CONCRETE.

CRAWL SPACE VENT CALCULATIONS:

TOTAL VENTED AREA: 2400
8"X16" VENT = 128 SQ IN = 0.89 SQFT
ASSUMED NET FREE AREA = 0.53 SQFT
TOTAL SQFT VENTILATION NEEDED 2400 /150 = 16.00
16.00 /0.53 = 31 TOTAL VENTS

GENERAL ELECTRICAL NOTES:

- GFI'S REQUIRED IN CRAWL SPACE @ ACCESS PANEL
- LIGHTS TO BE WITHIN 6' OF ACCESS PANEL
- AIR HANDLER/FURNACE LOCATED IN ATTIC
- ELECTRICAL PANEL TO BE GROUNDED TO THE OUTSIDE
- WIRE DEDICATED CIRCUIT FOR SEPTIC
- WIRE DEDICATED CIRCUIT FOR WELL

DRAWN BY: SG
DATE: 5/5/2023
SCALE: 1/8" = 1'-0"
DWG: 3

SQUARE FOOTAGES (2400)

CRAWL SPACE: 2400
1ST FL: 2400
BONUS ROOM: 253
GARAGE: 555
PORCH: 28

CUSTOM BUILT FOR: CARLTON & ALYAHELODY CAPERS
JOB #: DUTOO 023 0216
CN #: 34598
VN # CA354
LOCATION: 630 SUNRIDGE RD. CAMERON, NC 28326 HARNETT COUNTY

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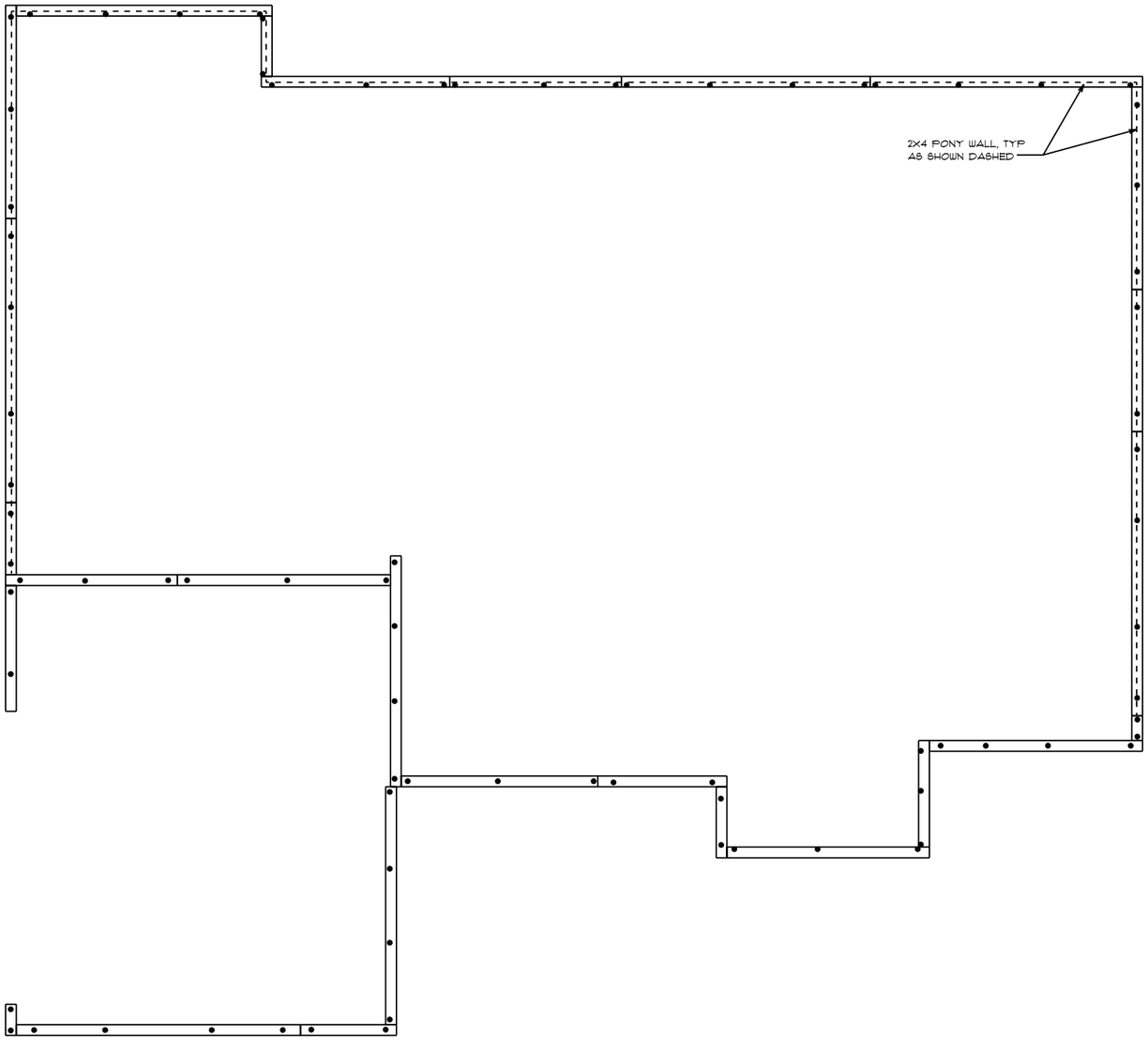

CONSTRUCTION NOTES:

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

CHARLESTON CLASSIC / CUSTOM

BOLT AND PLATE PLAN

DRAWN BY: SG

DATE: 5/5/2023

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

DWG: 4

SQUARE FOOTAGES (2400)

CRAWL SPACE: 2400
1ST FL: 2400
BONUS ROOM: 253
GARAGE: 555
PORCH: 28

CUSTOM BUILT FOR:
CARLTON & ALVAMELODY CAPERS

JOB #: DUTOO 023 0216

LOT #: 34598

VN #: CA354

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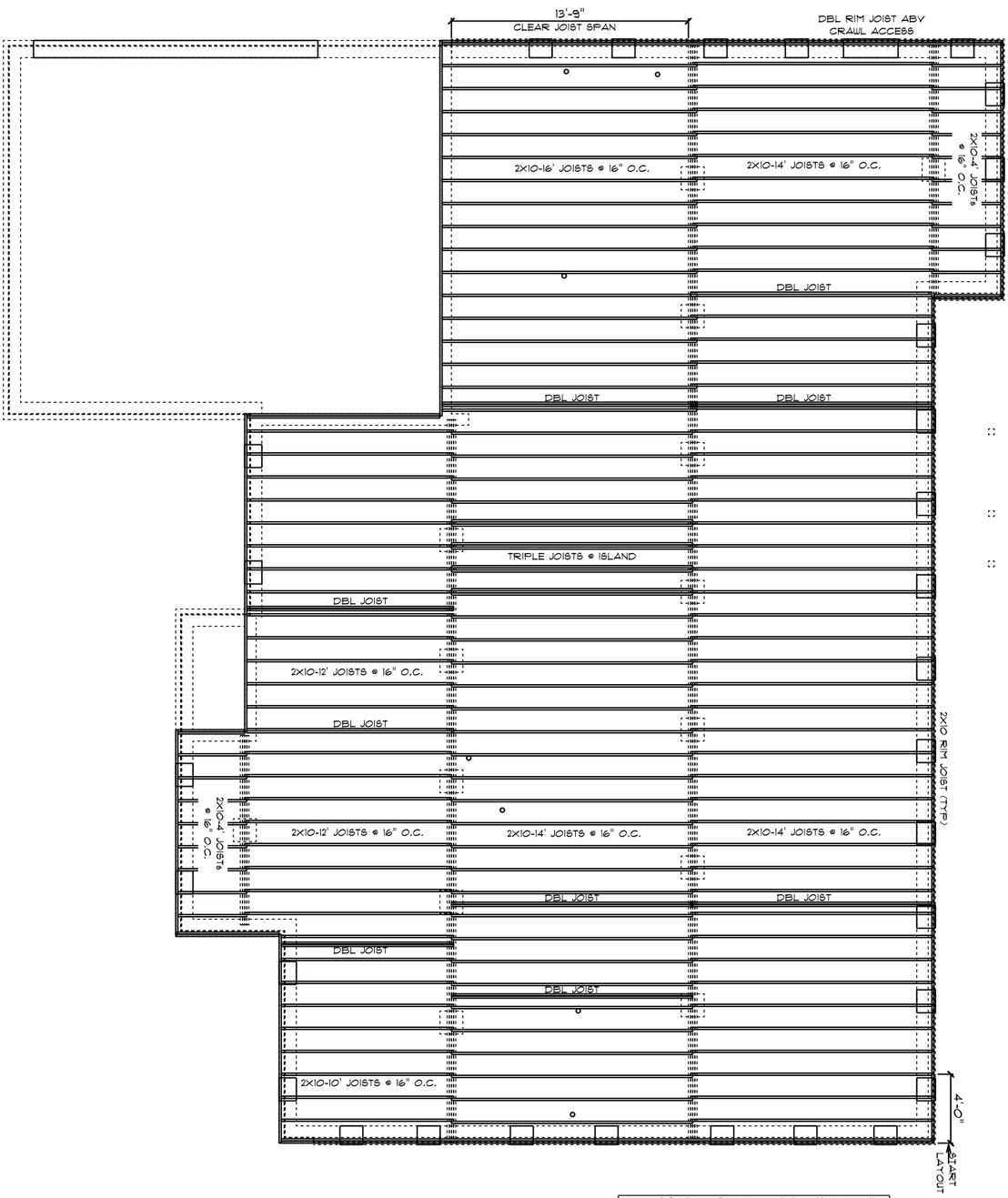

FRAMING NOTES:

1. LEAVE 1/4 1/2" BETWEEN EACH END JOIST & RIM JOIST
2. INSULATE BEHIND TUB AND SHOWER UNIT
3. INSTALL FIREBLOCK FRAMING IN ALL STAIRWAY CEILINGS
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 FIER WIDTH TREATED BEARING PLATE @ INTERIOR PIERS

CHARLESTON CLASSIC / CUSTOM

MAIN FLOOR JOIST PLAN

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CUSTOM BUILT FOR:
CARLTON & ALVAMELODY CAPERS

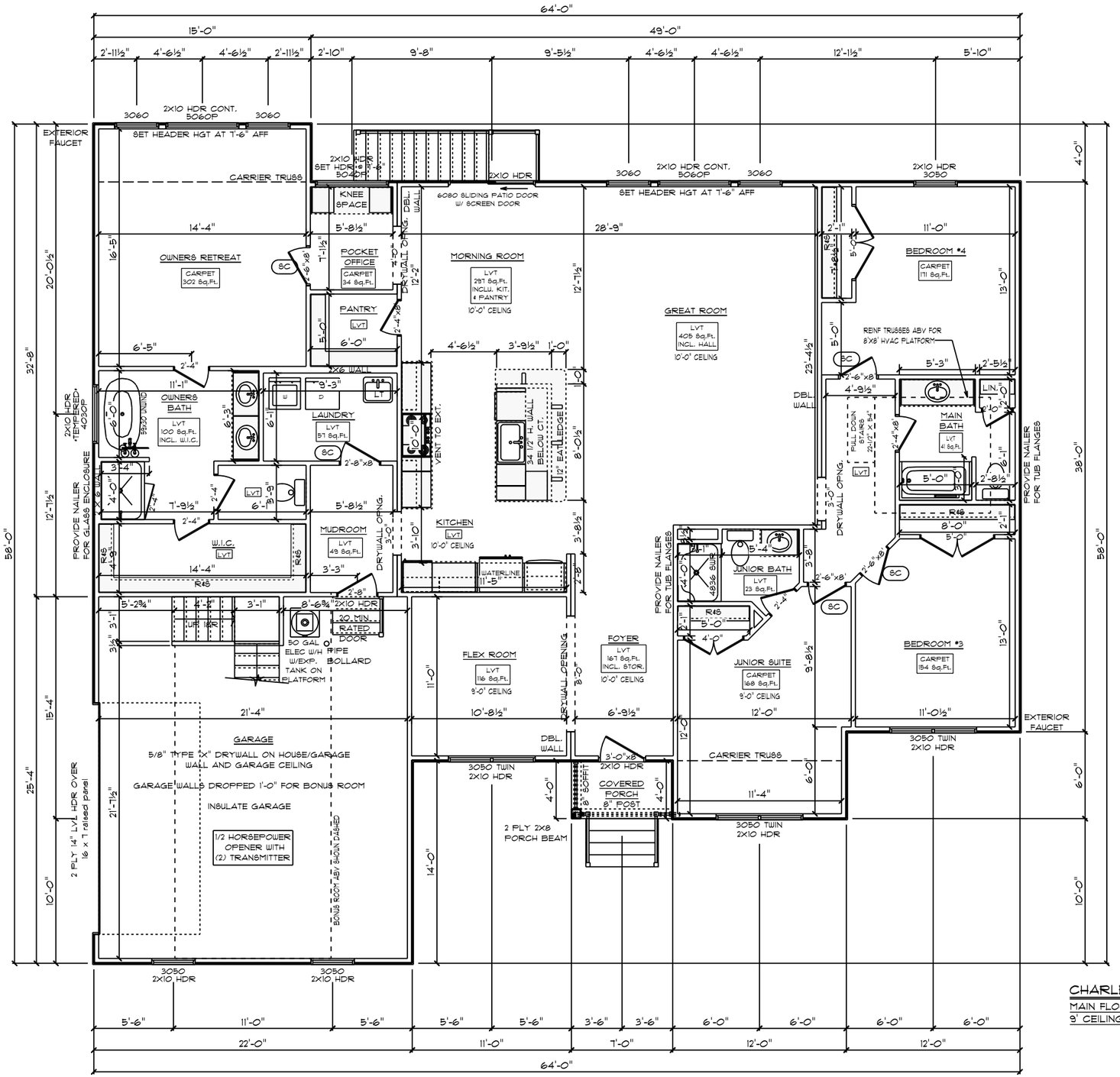
JOB #: DU700 023 0216 | CN #: 34598 | VN #: CA354

LOCATION: 630 SUNRIDGE RD,
CAMERON, NC, 28326
HARNETT COUNTY

SQUARE FOOTAGES (2400)

CRAWL SPACE: 2400
1ST FL: 2400
BONUS ROOM: 253
GARAGE: 555
PORCH: 28

DRAWN BY:	DATE:	SCALE:	DWG:
SG	5/5/2023	1/8" = 1'-0"	5



CHARLESTON CLASSIC / CUSTOM

MAIN FLOOR PLAN

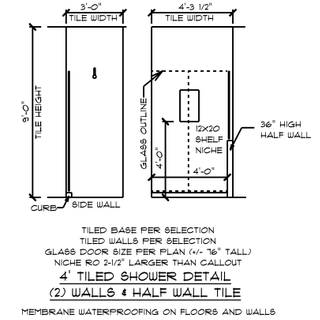
9' CEILING HEIGHT

GENERAL FRAMING NOTES:
- DRYWALLED OPENINGS TO BE 8'-0" HEIGHT UNLESS OTHERWISE NOTED
- HEADERS TO BE 2-PLY 2X10 W/ (1) KING & (2) JACK STUDS UNLESS OTHERWISE NOTED
- ALL LVL, CARRIER TRUSSES AND BEAMS TO HAVE A MIN OF (2) KING & (2) JACK STUDS, UNLESS NOTED OTHERWISE

PLAN NOTES:
- SMOOTH CEILINGS THROUGHOUT HOME
- MODERN FARMHOUSE PAINTED TRIM
- 7-1/4" BASEBOARDS
- 3-1/4" CASING ON INTERIOR DOORS AND WINDOWS HAVE DRYWALLED RETURNS
- INTERIOR DOORS PER SELECTION
- 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

ADDITIONAL NOTES:
- ON-DEMAND WATER HEATERS AT KITCHEN SINK AND OWNER'S TILE SHOWER
- PROVIDE AIR BARRIER/THERMO-PLY AT INSULATED VERTICAL WALLS BETWEEN HEATED & UNHEATED AREAS



TILED BASE PER SELECTION
TILED WALLS PER SELECTION
GLASS DOOR SIZE PER PLAN (+/- 76" TALL)
NICHE RO 2-1/2" LARGER THAN CALLOUT

4' TILED SHOWER DETAIL

(2) WALLS & HALF WALL TILE

MEMBRANE WATERPROOFING ON FLOORS AND WALLS

SQUARE FOOTAGES (2400)

CRAWL SPACE: 2400
1ST FL: 2400
BONUS ROOM: 253
GARAGE: 555
PORCH: 28

DRAWN BY: SG
DATE: 5/5/2023
SCALE: 1/8" = 1'-0"
DWG: 6

CUSTOM BUILT FOR:
CARLTON & ALYAHELODY CAPERS

JOB #: DUTCO 023 0216

LOCATION:
630 SUNRIDGE RD.
CAMERON, NC. 28326
HARNETT COUNTY

VN #: CA354

CN #: 34599

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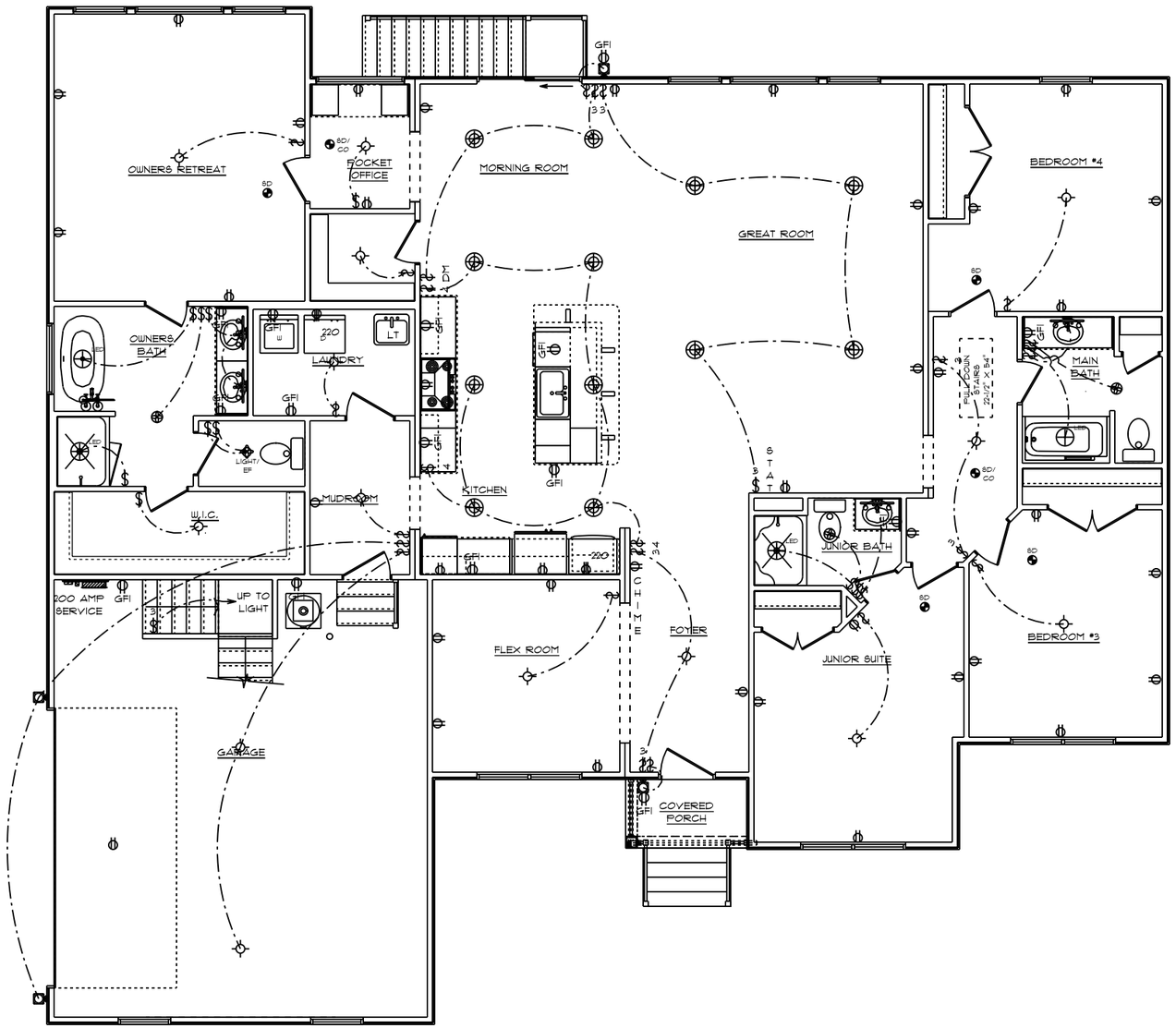

GENERAL ELECTRICAL NOTES:

- (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:
- CABLE & PHONE TO BE LOCATED AT ELECTRICAL WALK-THRU
- INSTALL ALL BATHROOM LIGHT FIXTURES WITH GLOBES FACING UP

CHARLESTON CLASSIC / CUSTOM

MAIN FLOOR PLAN
9' CEILING HEIGHT
ELECTRICAL PLAN

DRAWN BY: SG
DATE: 5/5/2023
SCALE: 1/8" = 1'-0"
DWG: 7

SQUARE FOOTAGES (2400)
CRAWL SPACE: 2400
1ST FL: 2400
BONUS ROOM: 253
GARAGE: 555
PORCH: 28

CUSTOM BUILT FOR: CARLTON & ALYAHELODY CAPERS

JOB #: DUTOO 023 0216
CN #: 34598
VN #: CA354

LOCATION: 630 SUNRIDGE RD. CAMERON, NC. 28326 HARNETT COUNTY

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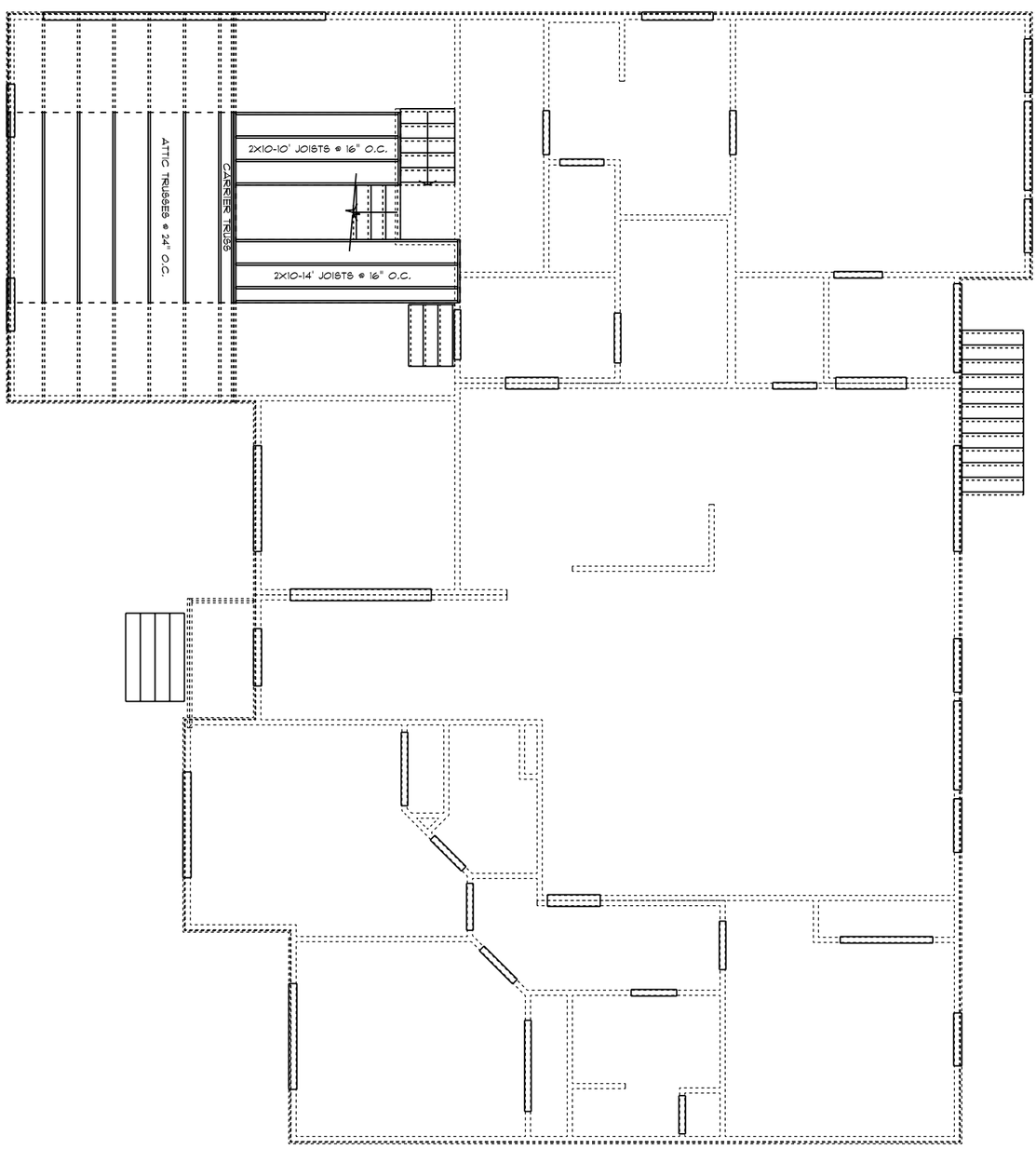

CHARLESTON CLASSIC / CUSTOM

BONUS ROOM JOIST PLAN

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CUSTOM BUILT FOR:
CARLTON & ALVAMELODY CAPERS

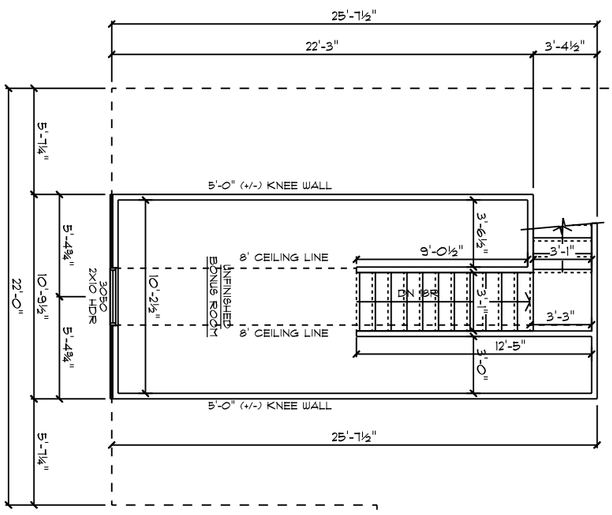
JOB #: DUTOO 023 0216 | CN #: 34598 | VN #: CA354

LOCATION: 630 SUNRIDGE RD.
CAMERON, NC, 28326
HARNETT COUNTY

SQUARE FOOTAGES (2400)

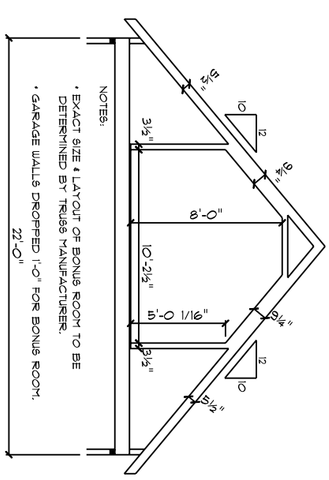
CRAWL SPACE: 2400
1ST FL: 2400
BONUS ROOM: 253
GARAGE: 555
PORCH: 28

DRAWN BY:	DATE:	SCALE:	DWG:
SG	5/5/2023	1/8" = 1'-0"	8



CHARLESTON CLASSIC / CUSTOM

BONUS ROOM PLAN
8' CEILING HEIGHT



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CUSTOM BUILT FOR: CARLTON & ALVAMELODY CAPERS

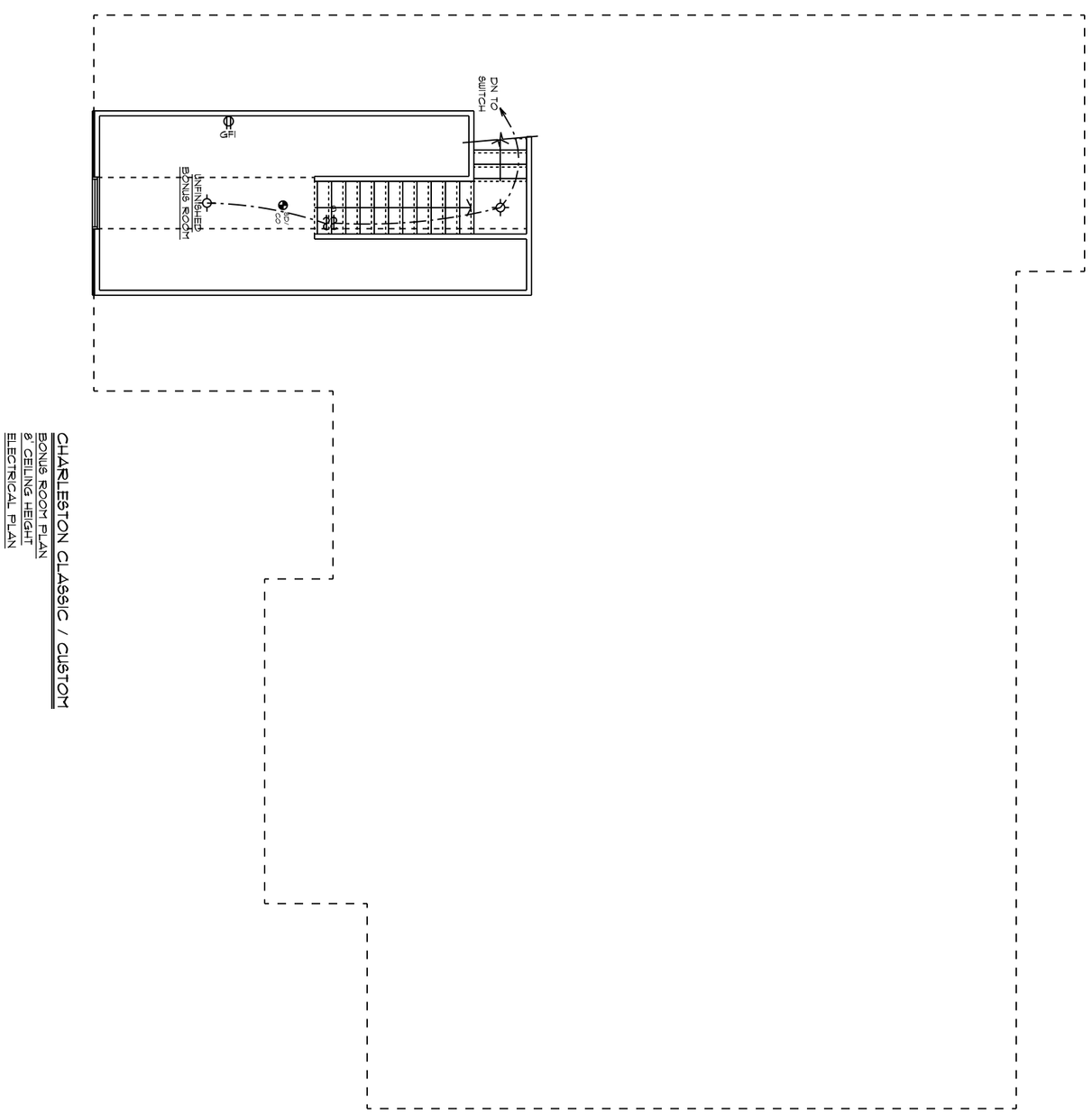
JOB #: DUTOO 023 0216 | CN #: 34598 | VN #: CA354

LOCATION: 630 SUNRIDGE RD,
CAMERON, NC, 28326
HARNETT COUNTY

SQUARE FOOTAGES (2400)

CRAWL SPACE: 2400
1ST FL: 2400
BONUS ROOM: 253
GARAGE: 555
PORCH: 28

DRAWN BY:	DATE:	SCALE:	DWG:
SG	5/5/2023	1/8" = 1'-0"	9



CHARLESTON CLASSIC / CUSTOM

BONUS ROOM PLAN
8' CEILING HEIGHT
ELECTRICAL PLAN

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Benson, NC 27504
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CUSTOM BUILT FOR:
CARLTON & ALVAMELODY CAPERS

JOB #: DU700 023 0216	CN #: 34598	VN #: CA354

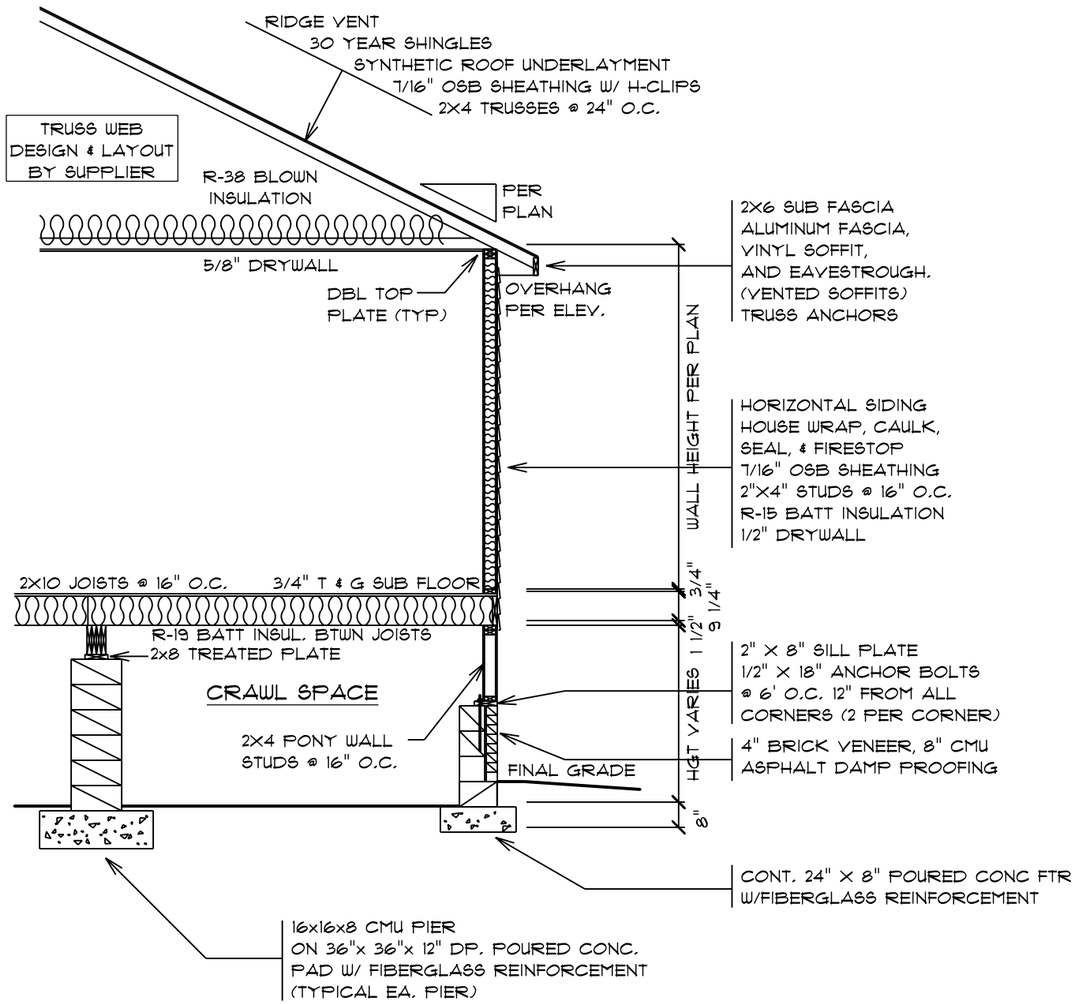
LOCATION: 630 SUNRIDGE RD.
CAMERON, NC, 28326
HARNETT COUNTY

SQUARE FOOTAGES (2400)

CRAWL SPACE: 2400
1ST FL: 2400
BONUS ROOM: 253
GARAGE: 555
PORCH: 28

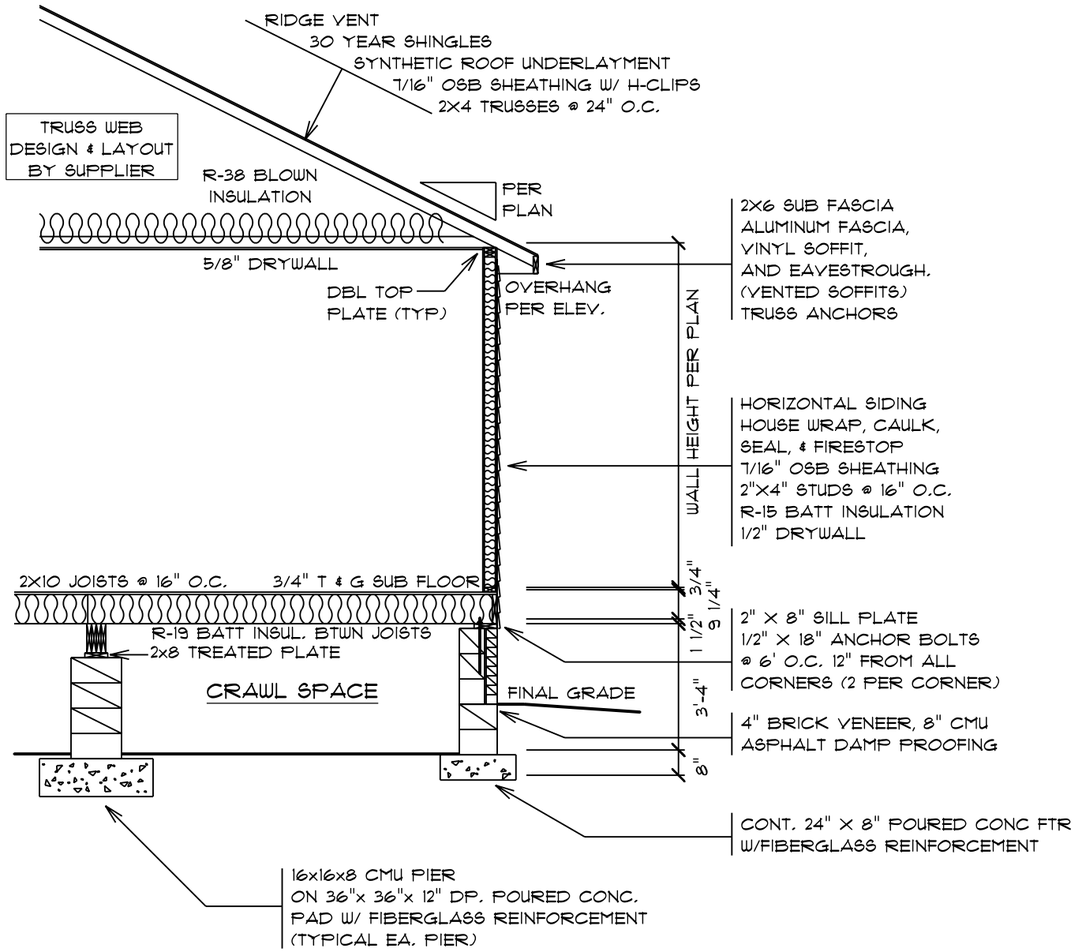
DRAWN BY:	DATE:	SCALE:	DWG:
SG	5/5/2023	1/8" = 1'-0"	10

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

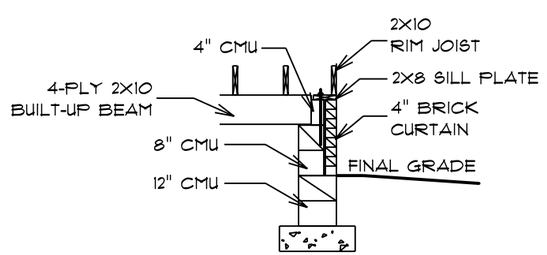


TYPICAL PONY WALL SECTION

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



TYPICAL WALL SECTION



BEAM POCKET DETAIL

DRAWN BY: SG
DATE: 5/5/2023
SCALE: 1/4" = 1'-0"
DWG: 11

SQUARE FOOTAGES (2400)
CRAWL SPACE: 2400
1ST FL: 2400
BONUS ROOM: 253
GARAGE: 555
PORCH: 28

CUSTOM BUILT FOR:
CARLTON & ALVAHELODY CAPERS

JOB #: DU100 023 0216

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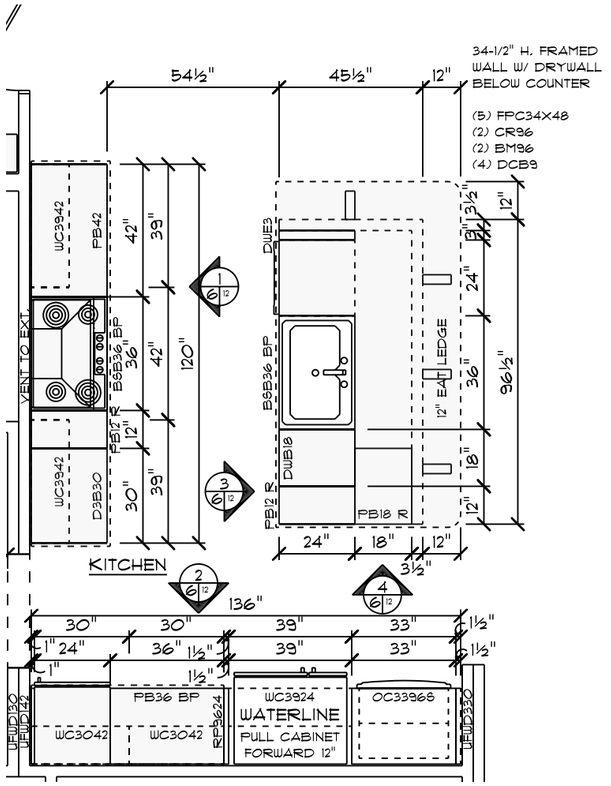
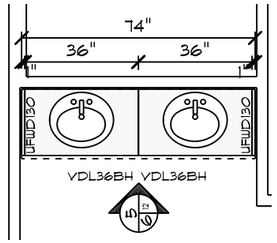
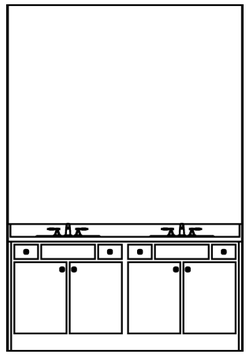




OWNER'S BATH



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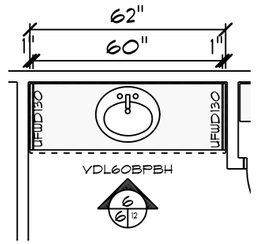
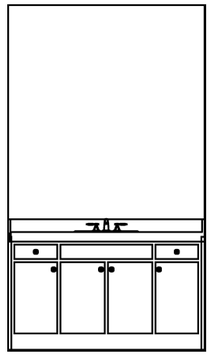
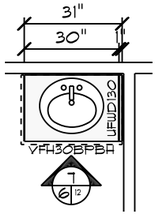


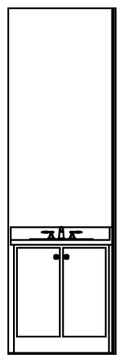
MAIN BATH



6 / 6 12



JUNIOR BATH



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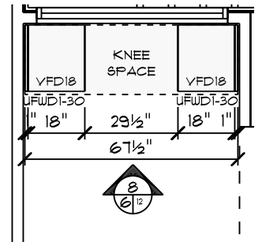
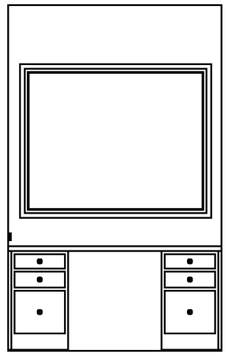


POCKET OFFICE



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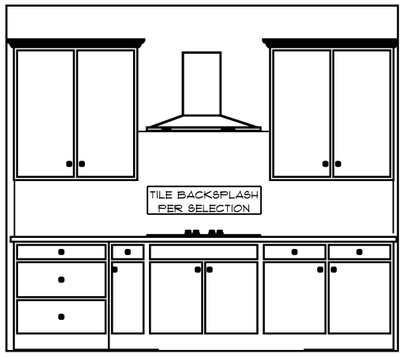
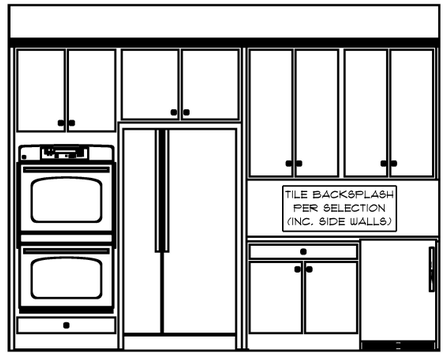
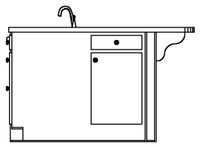
CHARLESTON CLASSIC / CUSTOM CABINET DRAWING



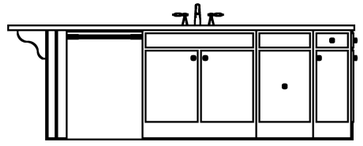
1 / 6 12



2 / 6 12



4 / 6 12



3 / 6 12

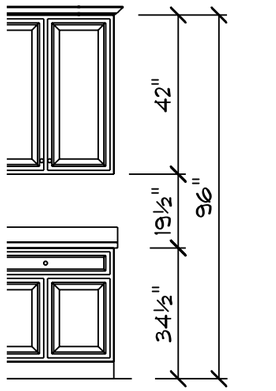
CABINET NOTES:

KITCHEN
- MARSH CABINETS W/ FULL OVERLAY
- 2-1/4" KITCHEN CABINET CROWN MOLDING
- COUNTERTOPS PER SELECTION
- UNDERMOUNT STAINLESS STEEL KITCHEN SINK
- HARDWARE PER SELECTION

BATHS
- MARSH CABINETS W/ TRADITIONAL OVERLAY
- COUNTERTOPS PER SELECTION
- HARDWARE PER SELECTION

POCKET OFFICE
- MARSH CABINETS W/ FULL OVERLAY
- COUNTERTOP PER SELECTION
- HARDWARE PER SELECTION

CABINET IMAGES, HARDWARE, APPLIANCES & OTHER DESIGN ITEMS ARE SHOWN FOR REPRESENTATION PURPOSES ONLY REFER TO FINAL SELECTIONS



TYPICAL CABINET HEIGHTS

DRAWN BY: SG
DATE: 5/5/2023
SCALE: 1/4" = 1'-0"
DWG: 12

SQUARE FOOTAGES (2400)
CRAWL SPACE: 2400
1ST FL: 2400
BONUS ROOM: 253
GARAGE: 555
PORCH: 28

CUSTOM BUILT FOR: CARLTON & ALYAHELODY CAPERS
JOB #: DUTOO 023 0216
LOCATION: 630 SUNRIDGE RD. CAMERON, NC 28326 HARNETT COUNTY
CN # 34599
VN # CA354

Raleigh/Durham, NC
182 West Hamlin Road
Benson, NC 27504
(877) 267-3482
www.schumacherhomes.com
SCHUMACHER HOMES

THIS PAGE IS FOR INFORMATION ONLY AND MAY CONTAIN PRODUCTS NOT PERTAINING TO THIS PROJECT

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	*C1-2934*	**C1-21134**
48 1/2	C1-1540	C1-1840	C1-2040	*C1-2440*	*C1-2940*	**C1-21140**
53 5/16	C1-1544	C1-1844	C1-2044	*C1-2444*	*C1-2944*	**C1-21144**
60 3/8	C1-15411	C1-18411	C1-20411	*C1-24411*	*C1-29411*	**C1-211411**
65 5/16	C1-1554	C1-1854	C1-2054	*C1-2454*	*C1-2954*	**C1-21154**
72 3/8	C1-15511	C1-18511	C1-20511	*C1-24511*	*C1-29511*	**C1-211511**

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	*C2-5234*	**C2-51134**
48 1/2	C2-3440	C2-4040	*C2-4840*	*C2-5240*	**C2-51140**
53 5/16	C2-3444	C2-4044	*C2-4844*	*C2-5244*	**C2-51144**
60 3/8	C2-34411	C2-40411	*C2-48411*	*C2-52411*	**C2-511411**
65 5/16	C2-3454	C2-4054	*C2-4854*		
72 3/8	C2-34511	C2-40511	*C2-48511*		

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	*C3-7040*
53 5/16	C3-5144	C3-51144	*C3-7044*
60 3/8	C3-51411	C3-511411	*C3-70411*

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

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 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

Silverline Sliding Door	
6068	72-1/4"x80-1/2"

Hinged 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"

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"

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"

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 NNXT33-1FT W: 39" H: 35" D: 19 5/8"
42" DIRECT VENT NNXT36-1FT W: 42" H: 35" D: 19 5/8"
36" MODERN GAS DV NEVO4236l 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"
48" CRAVE DIRECT VENT CRAVE6048 W: 60-1/4" H: 42-1/2" D: 18-3/4"
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

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 i.e. 3050 TWIN = 72" WIDE RO	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
Size of Steel Angle	No story Above	One story above	Two Stories Above	Reinforcing Bars
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.

SHEET: 13
SCALE: 1/8" = 1'-0"
DATE: 5/5/2023
DRAWN BY: SG

SQUARE FOOTAGES (2400)
CRAWL SPACE: 2400
1ST FL: 2400
BONUS ROOM: 253
GARAGE: 555
PORCH: 28

CUSTOM BUILT FOR:
CARLTON & ALYAHELODY CAPERS

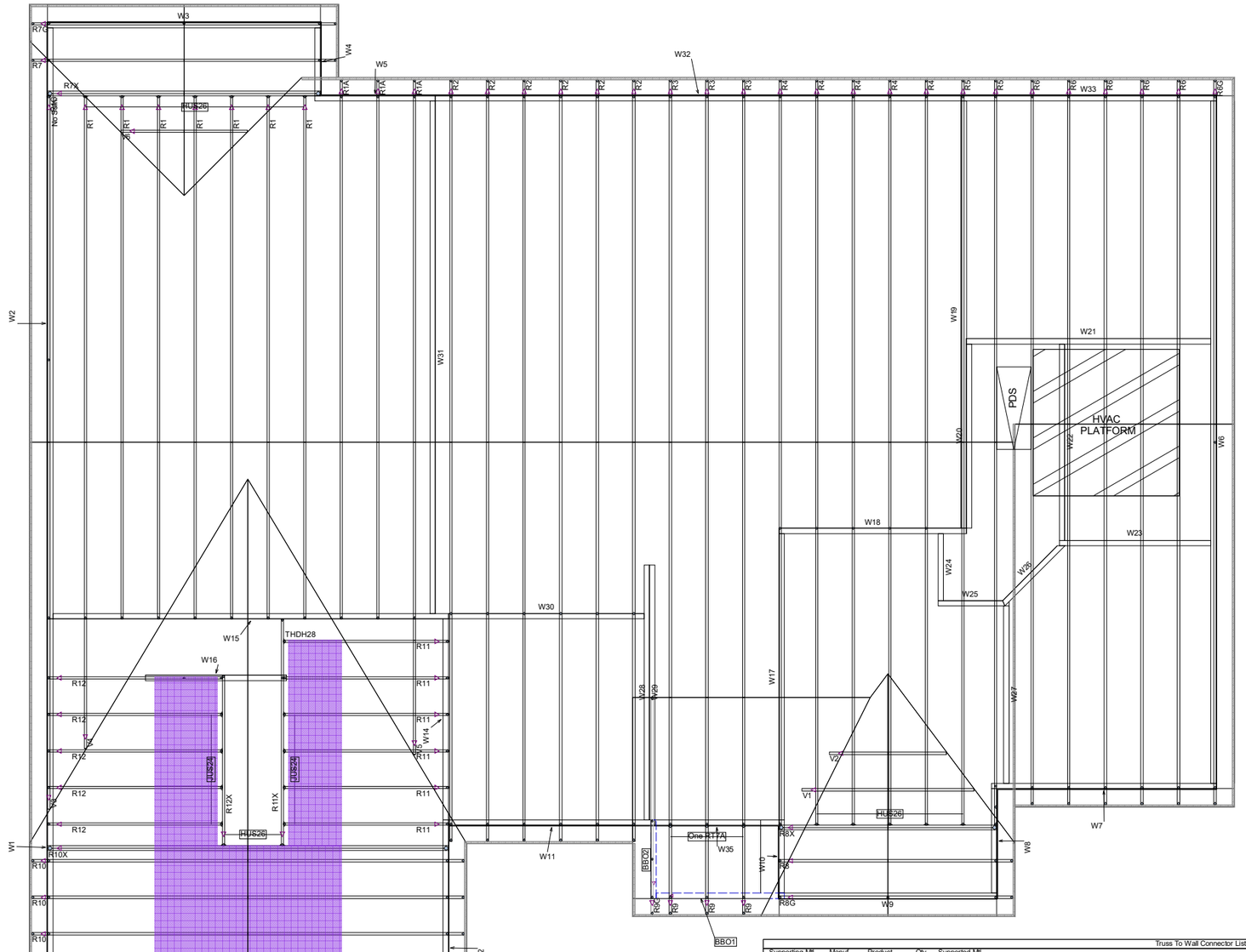
JOB #: DUTCO 023 0216

LOCATION:
630 SUNRIDGE RD.
CAMERON, NC 28326
HARNETT COUNTY

VN # CA354
CN # 34598

Raleigh/Durham, NC
182 West Hamlin Road
Benson, NC 27504
(877) 267-3482
www.schumacherhomes.com
SCHUMACHER HOMES

All dimensional material, typically indicated as SP or SPF, supplied by others.
LVL beams subject to availability.



Truss To Truss Connector List					
Supporting Mtl	Location	Manuf	Product	Supported Mtl	Chord Type
Roof Truss, R12X	1' 2 1/4" Back	MiTek	JUS24	Roof Truss, R12	Bottom
Roof Truss, R11X	1' 2 1/4" Back	MiTek	JUS24	Roof Truss, R11	Bottom
Roof Truss, R7X	2' 0 3/4" Front	MiTek	HUS26	Roof Truss, R1	Bottom
Roof Truss, R8X	2' 0 3/4" Front	MiTek	HUS26	Roof Truss, R4	Bottom
Roof Truss, R11X	3' 2 1/4" Back	MiTek	JUS24	Roof Truss, R11	Bottom
Roof Truss, R12X	3' 2 1/4" Back	MiTek	JUS24	Roof Truss, R12	Bottom
Roof Truss, R8X	4' 0 3/4" Front	MiTek	HUS26	Roof Truss, R4	Bottom
Roof Truss, R7X	4' 0 3/4" Front	MiTek	HUS26	Roof Truss, R1	Bottom
Roof Truss, R12X	5' 2 1/4" Back	MiTek	JUS24	Roof Truss, R12	Bottom
Roof Truss, R11X	5' 2 1/4" Back	MiTek	JUS24	Roof Truss, R11	Bottom
Roof Truss, R7X	6' 0 3/4" Front	MiTek	HUS26	Roof Truss, R1	Bottom
Roof Truss, R8X	6' 0 3/4" Front	MiTek	HUS26	Roof Truss, R4	Bottom
Roof Truss, R11X	7' 2 1/4" Back	MiTek	JUS24	Roof Truss, R11	Bottom
Roof Truss, R12X	7' 2 1/4" Back	MiTek	JUS24	Roof Truss, R12	Bottom
Roof Truss, R8X	8' 0 3/4" Front	MiTek	HUS26	Roof Truss, R4	Bottom
Roof Truss, R7X	8' 0 3/4" Front	MiTek	HUS26	Roof Truss, R1	Bottom
Roof Truss, R10X	9' 7 1/2" Front	MiTek	HUS26	Roof Truss, R12X	Bottom
Roof Truss, R8X	10' 0 3/4" Front	MiTek	HUS26	Roof Truss, R5	Bottom
Roof Truss, R7X	10' 0 3/4" Front	MiTek	HUS26	Roof Truss, R1	Bottom
Roof Truss, R11X	11' 2 1/4" Back	MiTek	THDH28	Roof Truss, R11	Bottom
Roof Truss, R7X	12' 0 3/4" Front	MiTek	HUS26	Roof Truss, R1	Bottom
Roof Truss, R10X	12' 10" Front	MiTek	HUS26	Roof Truss, R11X	Bottom
Roof Truss, R7X	14' 0 1/4" Front	MiTek	HUS26	Roof Truss, R1	Top

Truss To Beam Connector List				
Supporting Mtl	Manuf	Product	Qty	Supported Mtl
Beam, BBO1	MiTek	One RT7A	3	Roof Truss, R9,Roof Truss, R9,Roof Truss, R9

Truss To Wall Connector List				
Supporting Mtl	Manuf	Product	Qty	Supported Mtl
Solid Wall, W1	MiTek	One RT7A	11	Roof Truss, R10,Roof Truss, R10,Roof Truss, R10,Roof Truss, R10,Roof Truss, R10,Roof Truss, R10,Roof Truss, R12,Roof Truss, R12,Roof Truss, R12,Roof Truss, R12,Roof Truss, R12
	MiTek	Two RT7A	1	Roof Truss, R10X
Solid Wall, W2	MiTek	One RT7A	1	Roof Truss, R7
	Simpson	One HTS20	1	Roof Truss, R7X
Solid Wall, W4	MiTek	One RT7A	1	Roof Truss, R7
	Simpson	One HTS20	1	Roof Truss, R7X
Solid Wall, W5	MiTek	One RT7A	3	Roof Truss, R1A,Roof Truss, R1A,Roof Truss, R1A
Solid Wall, W7	MiTek	One RT7A	5	Roof Truss, R6,Roof Truss, R6,Roof Truss, R6,Roof Truss, R6,Roof Truss, R6
Solid Wall, W8	MiTek	One RT7A	1	Roof Truss, R8
	MiTek	Two RT7A	1	Roof Truss, R8X
Solid Wall, W10	MiTek	One RT7A	1	Roof Truss, R8
	MiTek	Two RT7A	1	Roof Truss, R8X
Solid Wall, W11	MiTek	One RT7A	6	Roof Truss, R2,Roof Truss, R2,Roof Truss, R2,Roof Truss, R2,Roof Truss, R2,Roof Truss, R2
Solid Wall, W12	MiTek	One RT7A	7	Roof Truss, R10,Roof Truss, R10,Roof Truss, R10,Roof Truss, R10,Roof Truss, R10,Roof Truss, R10,Roof Truss, R11
	MiTek	Two RT7A	1	Roof Truss, R10X
Solid Wall, W14	MiTek	One RT7A	5	Roof Truss, R11,Roof Truss, R11,Roof Truss, R11,Roof Truss, R11,Roof Truss, R11
Solid Wall, W15	MiTek	One RT7A	10	Roof Truss, R1,Roof Truss, R1,Roof Truss, R1,Roof Truss, R1,Roof Truss, R1,Roof Truss, R1,Roof Truss, R1,Roof Truss, R1A,Roof Truss, R1A,Roof Truss, R1A
Solid Wall, W16	MiTek	Two RT7A	2	Roof Truss, R11X,Roof Truss, R12X
Solid Wall, W32	MiTek	One RT7A	14	Roof Truss, R2,Roof Truss, R2,Roof Truss, R2,Roof Truss, R2,Roof Truss, R2,Roof Truss, R2,Roof Truss, R2,Roof Truss, R3,Roof Truss, R3,Roof Truss, R3,Roof Truss, R4,Roof Truss, R4,Roof Truss, R4,Roof Truss, R4
Solid Wall, W33	MiTek	One RT7A	7	Roof Truss, R5,Roof Truss, R5,Roof Truss, R6,Roof Truss, R6,Roof Truss, R6,Roof Truss, R6,Roof Truss, R6
Solid Wall, W35	MiTek	One RT7A	6	Roof Truss, R3,Roof Truss, R3,Roof Truss, R3,Roof Truss, R9,Roof Truss, R9,Roof Truss, R9

1. The notation "BY OTHERS" shall refer to the design, purchase, fabrication, and installation of materials by someone other than Load Star® with no implied or assumed responsibility by Load Star®. Beams labeled "**BBO#**" or not specified in a beam legend on this page are "BY OTHERS". Refer to individual truss design drawings for web member bracing locations, multi-ply truss nailing patterns, maximum purlin spacing, and other specific truss requirements.
2. Sheath trusses and completely nail prior to over framing. Support over framing as required to uniformly distribute load on trusses below.
3. The Owner shall engage a Registered Design Professional(RDP)/Building Designer to prepare the Construction Documents. In the absence of a mandate to use an independent RDP/Building Designer, the Owner shall assume the role of Building Designer. The RDP/Building Designer shall review the Truss Submittal Package for compatibility with Building Design (ANSI/TPI 1-2007).
4. The method of Permanent Individual Truss Member Restraint/Bracing and the method of anchoring or restraining to prevent lateral movement of all Truss members acting together as a system shall be accomplished by methods listed in Section 2.3.3-ANSI/TPI 1-2007. If a specific Truss member permanent bracing design for the roof and floor Framing Structural System is not provided by the Owner or any Registered Design Professional, the method of Permanent Individual Truss Member Restraint and Diagonal Bracing for the truss Top Chord, Bottom Chord, and Web members shall be in accordance with *BCSI-B3* or *BCSI-B7*. In all cases where a Truss clear span is 60 ft. or greater, the Owner shall contract with any Registered Design Professional for the design of the Temporary Installation Restraint/Bracing and the Permanent Individual Truss Member Restraint and Diagonal Bracing (ANSI/TPI 1-2007).
5. This truss placement diagram was not created by an engineer, but rather by the Load Star® staff and is purely to be used as an installation guide and does not require a seal. Complete truss component engineering and analysis can be found on the truss design drawings which may be sealed.

3712.53 ft²

Customer: Schumacher Homes	**Job Name:** Capers, Carlton DU		
Project:	**Model:** Charleston Classic	**Model #:**	
Lot:	**Subdiv.:**	**Elevation:**	
Job / Quote Number: Q0115240	**Designer:** Brandon Clay	**5/22/2023**	

LOAD STAR® Structural Wood Systems

All dimensional material, typically indicated as SP or SPF, supplied by others.
LVL beams subject to availability.

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R1	Common	7	1	Job Reference (optional)

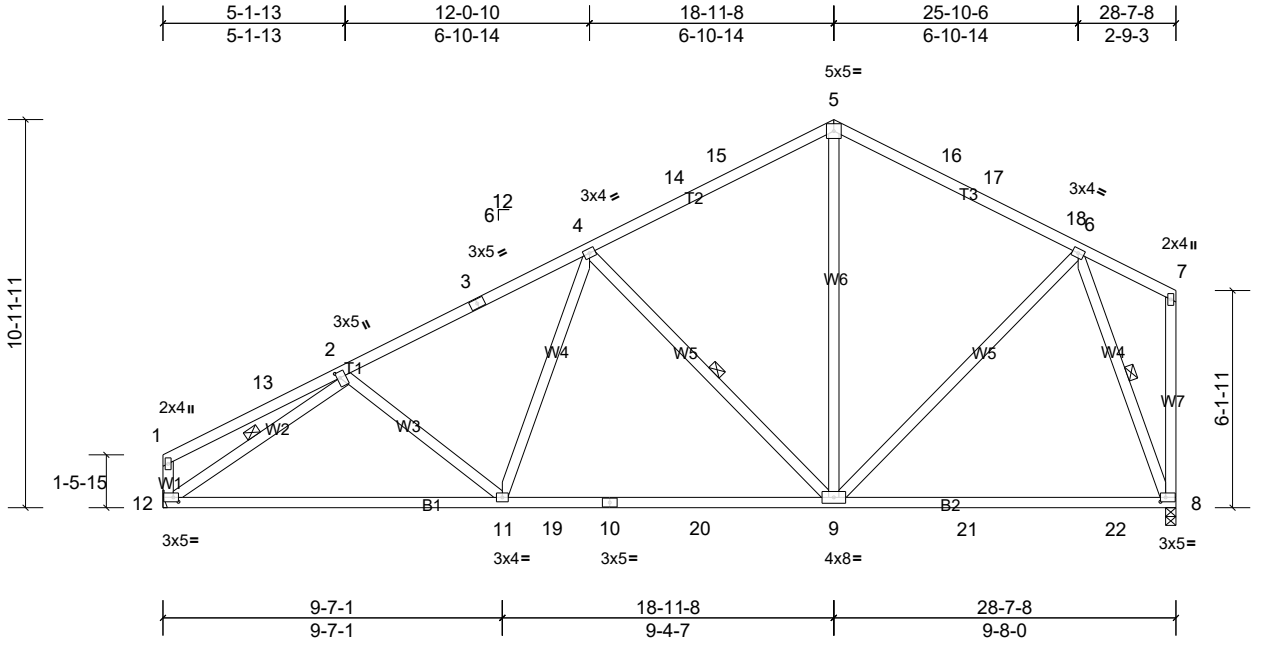


Plate Offsets (X, Y): [2:0-2-0,0-1-0], [8:0-1-12,0-1-8], [12:0-1-12,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.29	8-9	>999	240	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.48	8-9	>711	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.04	8	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 184 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except* B2:2x4 SP 1650F 1.7E
WEBS 2x4 SP No.3 *Except* W5,W6:2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 6-8, 2-12, 4-9

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

REACTIONS (lb/size) 8=861/0-3-8, (min. 0-1-8), 12=861/ Mechanical, (min. 0-1-8)
Max Horiz 12=330 (LC 13)
Max Uplift 8=-227 (LC 16), 12=-271 (LC 16)
Max Grav 8=1288 (LC 3), 12=1246 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1606/364, 3-4=-1465/377, 4-14=-979/329, 14-15=-894/341, 5-15=-892/353, 5-16=-888/334, 16-17=-894/323, 17-18=-967/318, 6-18=-975/308
BOT CHORD 11-12=-574/1412, 11-19=-450/1278, 10-19=-450/1278, 10-20=-450/1278, 9-20=-450/1278, 9-21=-225/421, 21-22=-225/421, 8-22=-225/421
WEBS 6-8=-1165/436, 2-12=-1525/393, 4-11=-14/404, 4-9=-657/347, 5-9=-90/490, 6-9=-67/590

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 2-1-12 to 5-1-12, Interior (1) 5-1-12 to 20-11-8, Exterior(2R) 20-11-8 to 23-11-8, Interior (1) 23-11-8 to 30-5-12 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Plates checked for a plus or minus 20 degree rotation about its center.
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 3-06-00 tall by 2-00-00 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 271 lb uplift at joint 12.
10) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8. This connection is for uplift only and does not consider lateral forces.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R1A	Common	3	1	Job Reference (optional)

Load Star®, Lavonia, GA 30553, BAC — Run: 8.7 S 0 Mar 22 2023 Print: 8.700 S Mar 22 2023 MiTek Industries, Inc. Mon May 22 15:45:36 — Page: 1

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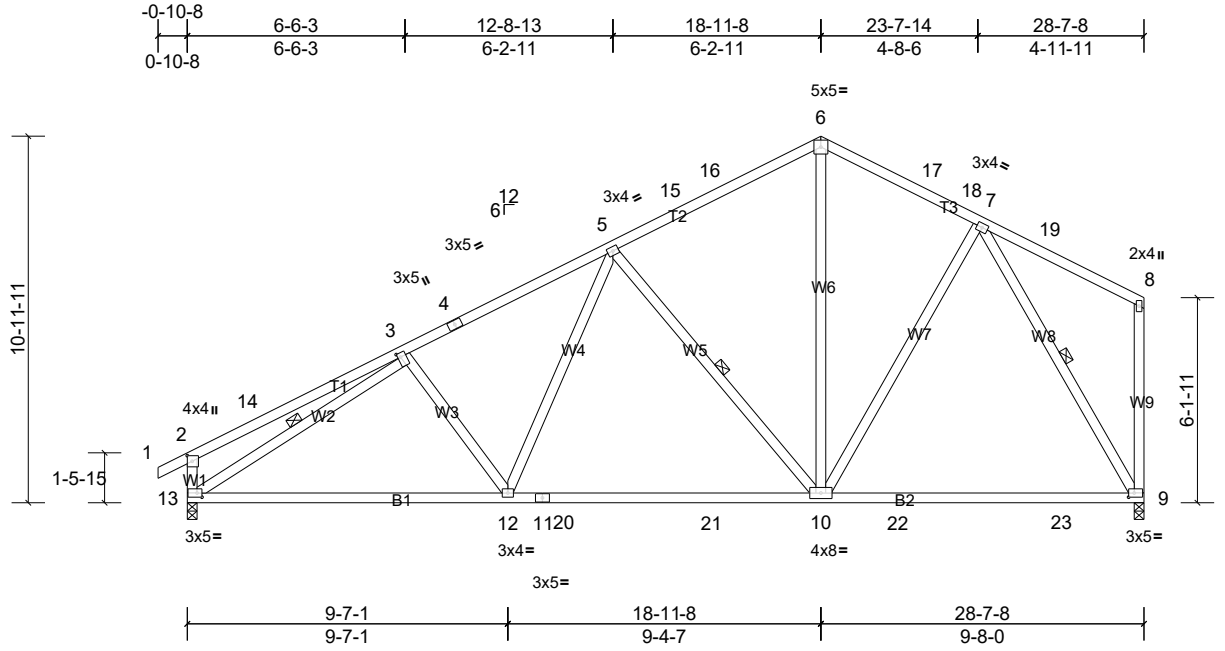

Plate Offsets (X, Y): [3:0-1-8,0-1-0], [9:0-2-0,0-1-8], [13:0-1-12,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.31	9-10	>999	240	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.50	9-10	>680	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.05	9	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 189 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except* B2:2x4 SP 1650F 1.7E
WEBS 2x4 SP No.3 *Except* W8,W5,W6,W7:2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-5-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 3-13, 7-9, 5-10

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

REACTIONS (lb/size) 9=860/0-3-8, (min. 0-1-8), 13=904/0-3-8, (min. 0-1-9)
Max Horiz 13=340 (LC 15)
Max Uplift 9=-228 (LC 16), 13=-301 (LC 16)
Max Grav 9=1296 (LC 3), 13=1304 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-329/137, 3-14=-257/153, 3-4=-1605/374, 4-5=-1477/396, 5-15=-979/333, 15-16=-907/343, 6-16=-902/355, 6-17=-902/348, 17-18=-945/337, 7-18=-958/332, 2-13=-346/207
BOT CHORD 12-13=-552/1453, 11-12=-433/1233, 11-20=-433/1233, 20-21=-433/1233, 10-21=-433/1233, 10-22=-263/608, 22-23=-263/608, 9-23=-263/608
WEBS 3-13=-1454/281, 7-9=-1157/362, 5-12=-74/468, 5-10=-627/342, 6-10=-141/557, 7-10=-27/458

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 18-11-8, Exterior(2R) 18-11-8 to 21-11-8, Interior (1) 21-11-8 to 28-5-12 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; 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 12.0 psf or 2.00 times flat roof load of 10.4 psf on overhangs non-concurrent with other live loads.
6) Plates checked for a plus or minus 20 degree rotation about its center.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 13 and 9. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R1G	Common Structural Gable	1	1	Job Reference (optional)

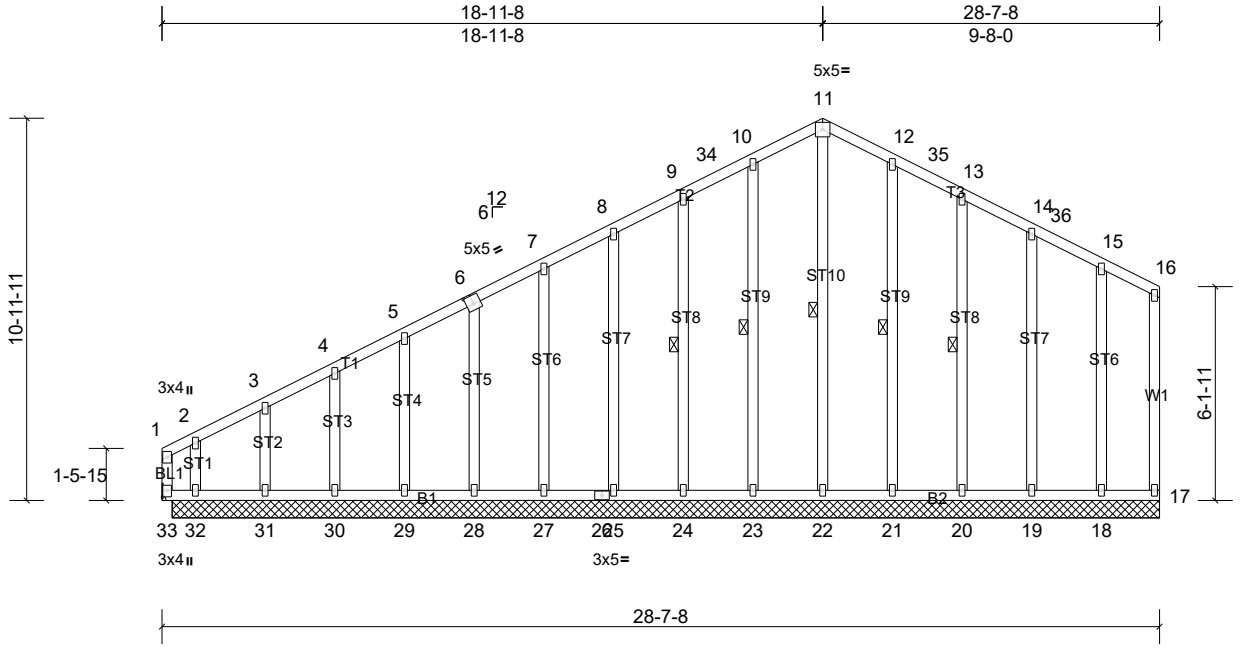

Plate Offsets (X, Y): [6:0-2-8,0-3-0], [33:0-2-4,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	0.00	17-18	>999	240	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	0.00	17-18	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	17	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 236 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3 *Except*
BL1,ST10,ST9,ST8:2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 11-22, 10-23, 9-24, 12-21, 13-20

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

REACTIONS All bearings 28-4-0. except 33= Mechanical
(lb) - Max Horiz 33=330 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31 except 32=-497 (LC 13), 33=-241 (LC 14)
Max Grav All reactions 250 (lb) or less at joint (s) 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31 except 32=276 (LC 14), 33=569 (LC 13)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-386/265, 8-9=-187/263, 9-34=-208/302, 10-34=-198/306, 10-11=-224/340, 11-12=-224/333, 12-35=-198/285, 13-35=-208/281, 1-33=-352/236
WEBS 2-32=-231/297

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 2-1-12 to 4-11-8, Interior (1) 4-11-8 to 20-11-8, Exterior(2R) 20-11-8 to 23-11-8, Interior (1) 23-11-8 to 30-5-12 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
3) 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.
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Plates checked for a plus or minus 20 degree rotation about its center.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
11) Refer to girder(s) for truss to truss connections.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) except (jt=lb) 33=241.
13) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 21, 20, 19, and 18. This connection is for uplift only and does not consider lateral forces.
14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R2	Roof Special	6	1	Job Reference (optional)

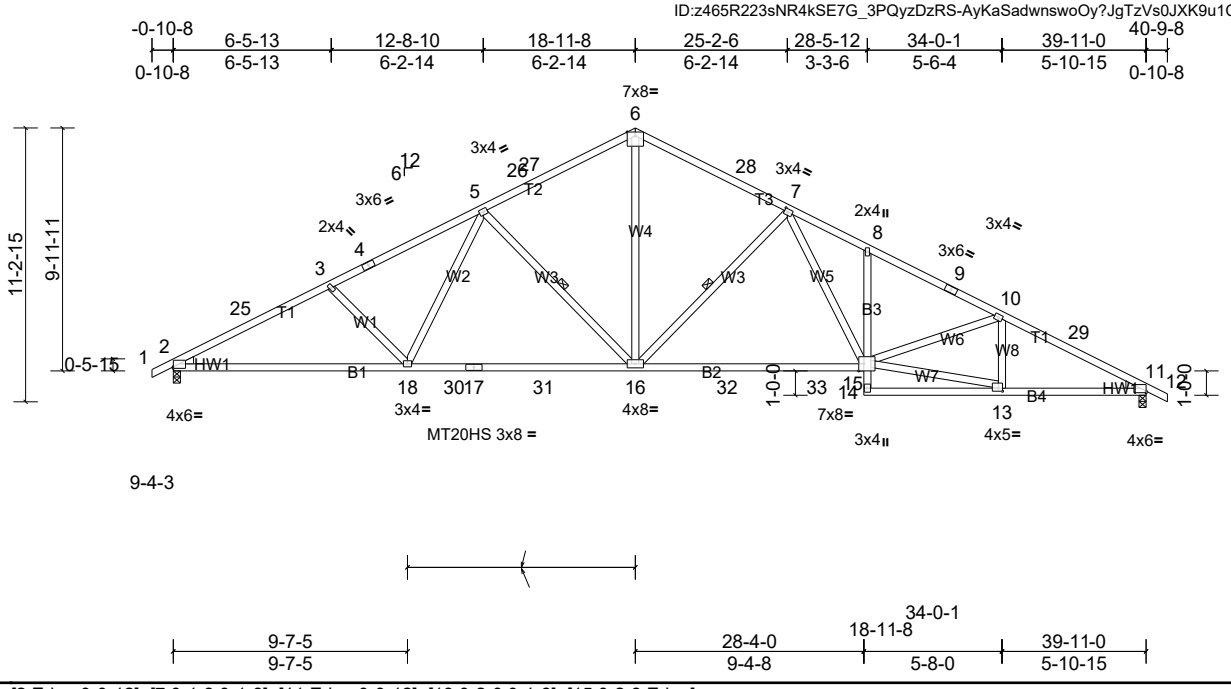

Plate Offsets (X, Y): [2:Edge,0-0-12], [7:0-1-8,0-1-8], [11:Edge,0-0-12], [13:0-2-0,0-1-8], [15:0-2-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	-0.41	15-16	>999	240	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.76	15-16	>631	180	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.16	11	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 227 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 1650F 1.7E *Except* B3:2x4 SP No.3
WEBS 2x4 SP No.3 *Except* W3,W4,W7:2x4 SP No.2
WEDGE Left: 2x4 SP No.3
Right: 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-9-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-5-3 oc bracing.
WEBS 1 Row at midpt 5-16, 7-16

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

REACTIONS (lb/size) 2=1249/0-3-8, (min. 0-2-2), 11=1249/0-3-8, (min. 0-2-2)
Max Horiz 2=-235 (LC 17)
Max Uplift 2=-377 (LC 16), 11=-398 (LC 17)
Max Grav 2=1798 (LC 3), 11=1793 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-25=-3211/632, 3-25=-3137/653, 3-4=-2993/596, 4-5=-2926/617, 5-26=-2173/526, 26-27=-2123/532, 6-27=-2097/547, 6-28=-2097/541, 7-28=-2170/525, 7-8=-3355/753, 8-9=-3313/676, 9-10=-3375/658, 10-29=-3178/675, 11-29=-3253/664
BOT CHORD 2-18=-648/2806, 18-30=-426/2360, 17-30=-426/2360, 17-31=-426/2360, 16-31=-426/2360, 16-32=-337/2505, 32-33=-337/2505, 15-33=-337/2505, 11-13=-510/2843
WEBS 3-18=-336/266, 5-18=-87/610, 5-16=-713/357, 6-16=-278/1583, 7-16=-911/403, 7-15=-244/1053, 13-15=-476/2827, 10-13=-393/162

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 3-1-6, Interior (1) 3-1-6 to 18-11-8, Exterior(2R) 18-11-8 to 22-11-6, Interior (1) 22-11-6 to 40-9-8 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; 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 12.0 psf or 2.00 times flat roof load of 10.4 psf on overhangs non-concurrent with other live loads.
6) All plates are MT20 plates unless otherwise indicated.
7) Plates checked for a plus or minus 20 degree rotation about its center.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 11. This connection is for uplift only and does not consider lateral forces.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R3	Roof Special	3	1	Job Reference (optional)

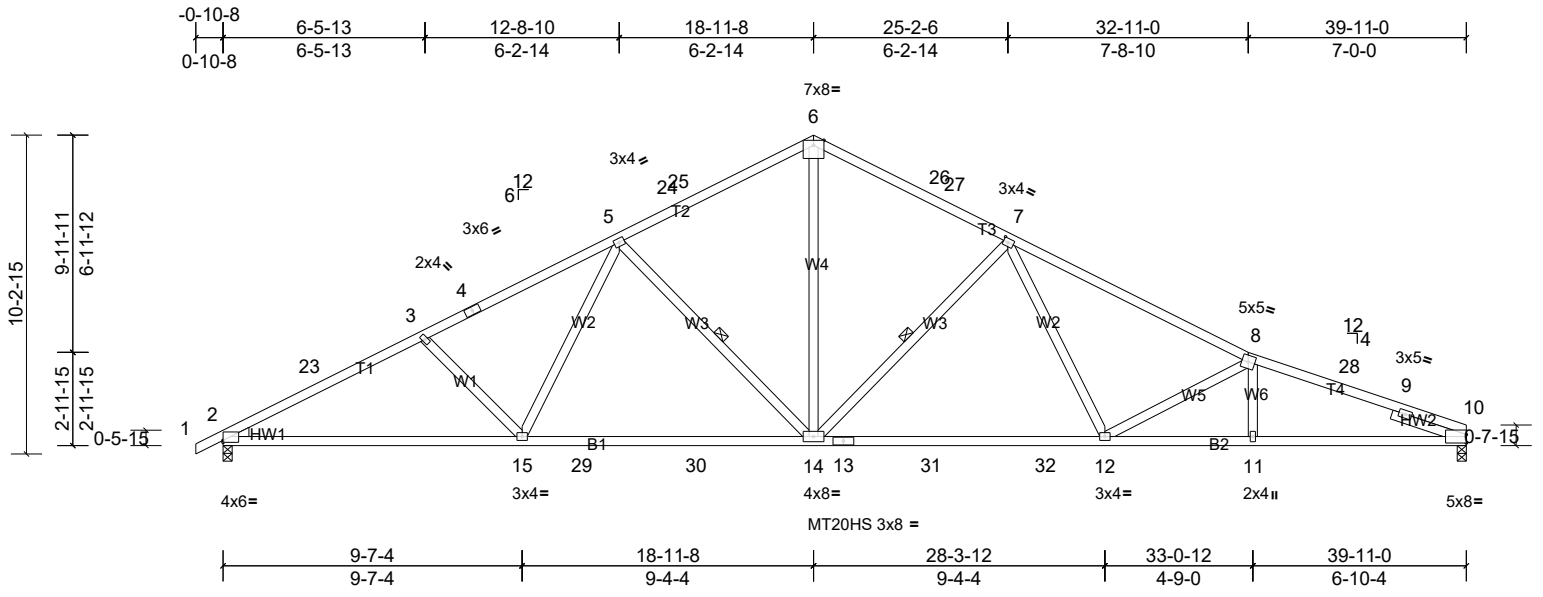

Plate Offsets (X, Y): [2:Edge,0-0-12], [7:0-1-12,0-1-8], [10:Edge,0-3-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.90	Vert(LL)	-0.35	12-14	>999	240	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.65	12-14	>741	180	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.15	10	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 210 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2 *Except* T3,T4:2x4 SP 1650F 1.7E
BOT CHORD 2x4 SP 1650F 1.7E *Except* B2:2x4 SP 2700F 2.2E or 2x4 SP M 31
WEBS 2x4 SP No.3 *Except* W4,W3:2x4 SP No.2
WEDGE Left: 2x4 SP No.3
SLIDER Right 2x4 SP No.3 -- 2-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 7-11-4 oc bracing.
WEBS 1 Row at midpt 5-14, 7-14

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

REACTIONS (lb/size) 2=1249/0-3-8, (min. 0-2-2), 10=1213/0-3-8, (min. 0-1-8)
Max Horiz 2=203 (LC 16)
Max Uplift 2=-378 (LC 16), 10=-371 (LC 17)
Max Grav 2=1799 (LC 3), 10=1748 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-23=-3214/872, 3-23=-3140/893, 3-4=-2997/823, 4-5=-2930/844, 5-24=-2168/701, 24-25=-2118/707, 6-25=-2091/722, 6-26=-2091/727, 26-27=-2118/713, 7-27=-2175/706, 7-8=-3329/917, 8-28=-3967/1086, 9-28=-3996/1074, 9-10=-1637/275
BOT CHORD 2-15=-722/2808, 15-29=-532/2360, 29-30=-532/2360, 14-30=-532/2360, 13-14=-578/2540, 13-31=-578/2540, 31-32=-578/2540, 12-32=-578/2540, 11-12=-959/3737, 10-11=-955/3739
WEBS 6-14=-426/1607, 5-15=-86/618, 3-15=-335/266, 5-14=-719/358, 7-14=-971/431, 7-12=-119/906, 8-12=-936/382

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 3-1-6, Interior (1) 3-1-6 to 18-11-8, Exterior(2R) 18-11-8 to 22-11-6, Interior (1) 22-11-6 to 39-11-0 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; 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 12.0 psf or 2.00 times flat roof load of 10.4 psf on overhangs non-concurrent with other live loads.
6) All plates are MT20 plates unless otherwise indicated.
7) Plates checked for a plus or minus 20 degree rotation about its center.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10 and 2. This connection is for uplift only and does not consider lateral forces.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R4	Roof Special	5	1	Job Reference (optional)

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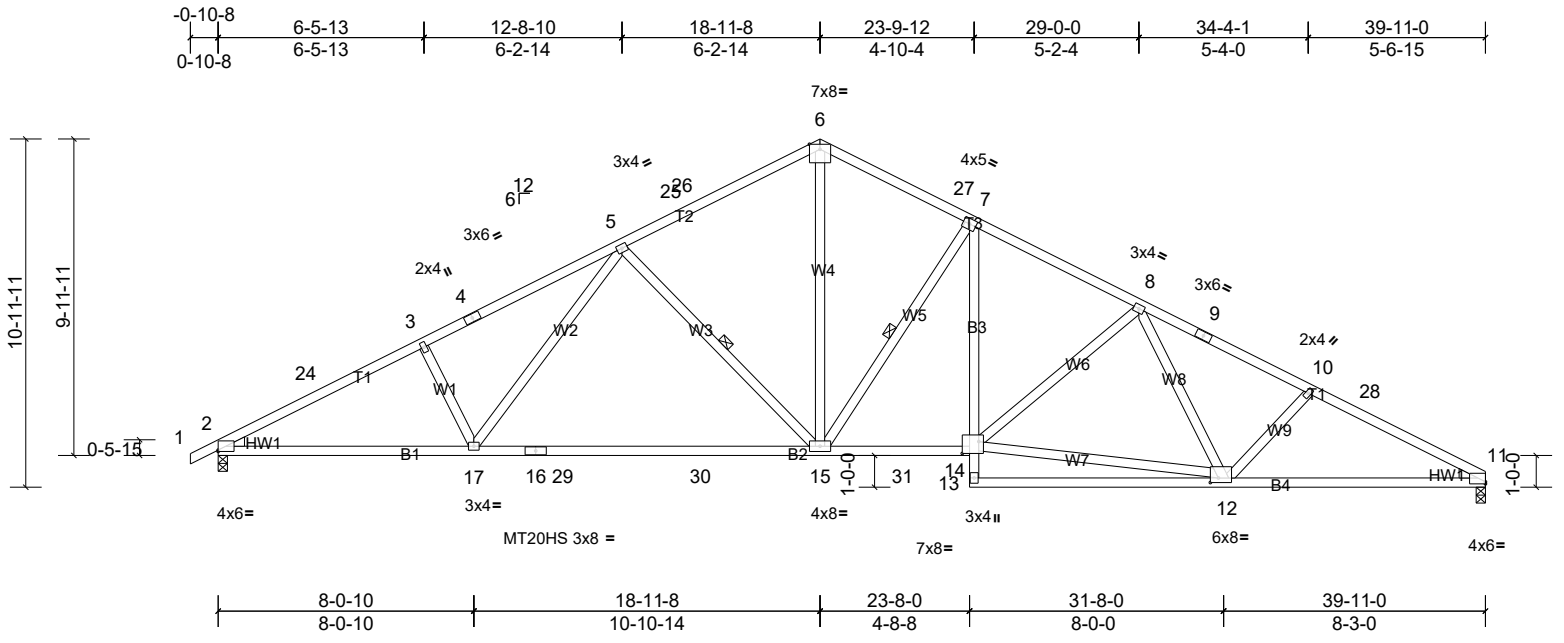

Plate Offsets (X, Y): [2:Edge,0-0-8], [11:Edge,0-0-12], [12:0-3-1,0-1-12], [14:0-6-4,0-4-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	-0.52	15-17	>923	240	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.92	15-17	>520	180	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.16	11	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 233 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 1650F 1.7E *Except* B3:2x4 SP No.3
WEBS 2x4 SP No.3 *Except* W3,W4,W5:2x4 SP No.2
WEDGE Left: 2x4 SP No.3
Right: 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-6-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-15, 7-15

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

REACTIONS (lb/size) 2=1249/0-3-8, (min. 0-2-2), 11=1213/0-3-8, (min. 0-2-1)
Max Horiz 2=-218 (LC 17)
Max Uplift 2=-378 (LC 16), 11=-371 (LC 17)
Max Grav 2=1799 (LC 3), 11=1736 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-24=-3275/618, 3-24=-3193/631, 3-4=-3140/637, 4-5=-3077/658, 5-25=-2168/527, 25-26=-2117/533, 6-26=-2090/548, 6-27=-2090/554, 7-27=-2146/538, 7-8=-2729/624, 8-9=-2968/660, 9-10=-3045/650, 10-28=-3136/702, 11-28=-3220/684
BOT CHORD 2-17=-637/2856, 16-17=-442/2336, 16-29=-442/2336, 29-30=-442/2336, 15-30=-442/2336, 15-31=-306/2389, 14-31=-305/2395, 7-14=-177/792, 11-12=-554/2817
WEBS 3-17=-310/261, 5-17=-141/732, 5-15=-686/369, 6-15=-311/1614, 7-15=-942/384, 12-14=-428/2422, 8-14=-375/246, 10-12=-272/229

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 3-1-6, Interior (1) 3-1-6 to 18-11-8, Exterior(2R) 18-11-8 to 22-11-6, Interior (1) 22-11-6 to 39-11-0 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; 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 12.0 psf or 2.00 times flat roof load of 10.4 psf on overhangs non-concurrent with other live loads.
6) All plates are MT20 plates unless otherwise indicated.
7) Plates checked for a plus or minus 20 degree rotation about its center.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 11. This connection is for uplift only and does not consider lateral forces.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R5	Common	2	1	Job Reference (optional)

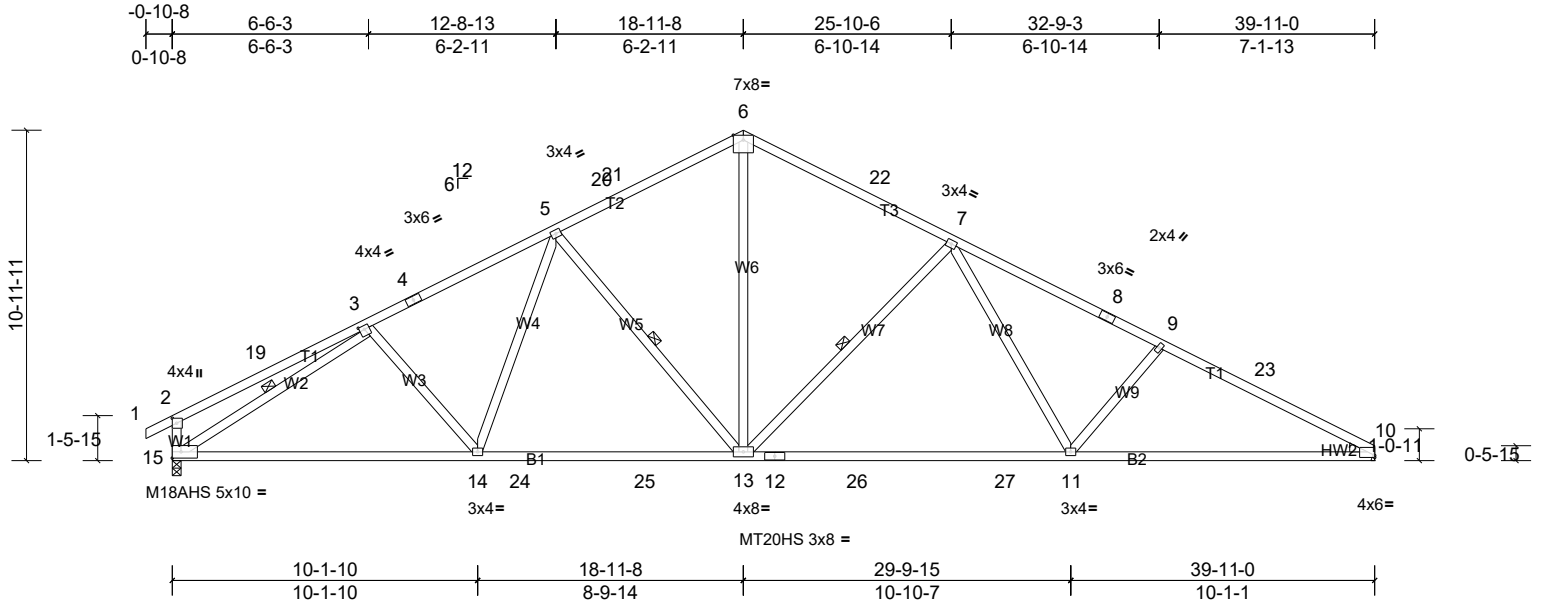

Plate Offsets (X, Y): [2:0-2-0,0-1-12], [3:0-2-0,0-1-8], [10:Edge,0-0-12]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	-0.46	11-13	>999	240	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.80	11-13	>598	180	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.12	10	n/a	n/a	M18AHS	186/179
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 223 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 1650F 1.7E
WEBS 2x4 SP No.3 *Except* W5,W6,W7:2x4 SP No.2
WEDGE Right: 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-10-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 11-13.
WEBS 1 Row at midpt 5-13, 7-13, 3-15

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

REACTIONS (lb/size) 10=1208/ Mechanical, (min. 0-1-8), 15=1251/0-3-8, (min. 0-2-2)
Max Horiz 15=-194 (LC 21)
Max Uplift 10=-365 (LC 17), 15=-376 (LC 16)
Max Grav 10=1757 (LC 3), 15=1810 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-373/139, 3-19=-300/152, 3-4=-2484/522, 4-5=-2416/543, 5-20=-1980/508, 20-21=-1930/514, 6-21=-1905/529, 6-22=-1905/527, 7-22=-1991/512, 7-8=-2920/634, 8-9=-2995/610, 9-23=-3130/672, 10-23=-3214/660, 2-15=-364/213
BOT CHORD 14-15=-536/2121, 14-24=-382/2051, 24-25=-382/2051, 13-25=-382/2051, 12-13=-324/2253, 12-26=-324/2253, 26-27=-324/2253, 11-27=-324/2253, 10-11=-510/2804
WEBS 5-14=-46/372, 5-13=-579/323, 6-13=-258/1406, 7-13=-803/400, 7-11=-114/754, 9-11=-372/295, 3-15=-2271/432

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 3-1-6, Interior (1) 3-1-6 to 18-11-8, Exterior(2R) 18-11-8 to 22-11-6, Interior (1) 22-11-6 to 39-11-0 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; 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 12.0 psf or 2.00 times flat roof load of 10.4 psf on overhangs non-concurrent with other live loads.
6) All plates are MT20 plates unless otherwise indicated.
7) Plates checked for a plus or minus 20 degree rotation about its center.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 365 lb uplift at joint 10.
12) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 15. This connection is for uplift only and does not consider lateral forces.
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R6	Common	5	1	Job Reference (optional)

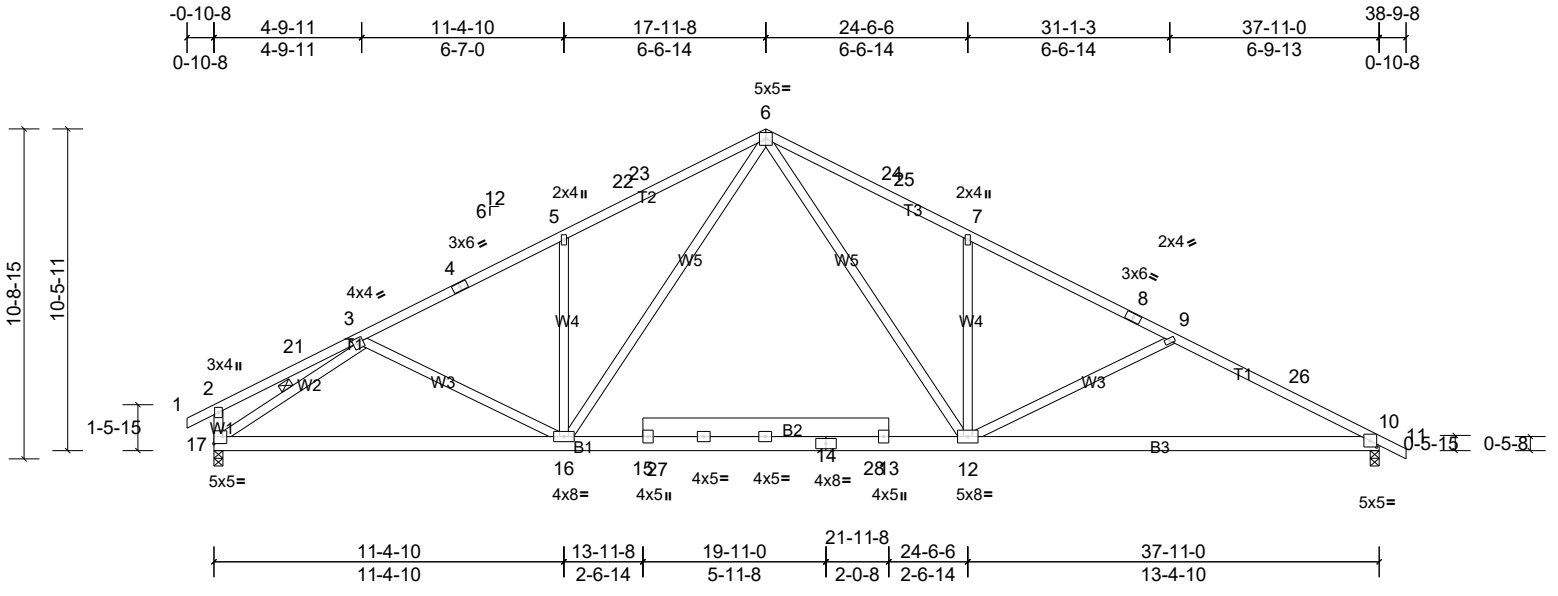

Plate Offsets (X, Y): [3:0-1-8,0-1-12], [10:0-2-8,0-2-5], [17:Edge,0-2-12]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.76	Vert(LL)	-0.22	12-20	>999	240	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.50	12-20	>914	180		
TCDL	10.0	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.07	10	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 264 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except* B2:2x8 SP No.2
WEBS 2x4 SP No.3 *Except* W5:2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 3-17

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

REACTIONS (lb/size) 10=1184/0-3-8, (min. 0-2-0), 17=1190/0-3-8, (min. 0-2-0)
Max Horiz 17=-201 (LC 21)
Max Uplift 10=-374 (LC 17), 17=-358 (LC 16)
Max Grav 10=1699 (LC 3), 17=1712 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-21=-296/72, 3-4=-2354/477, 4-5=-2280/490, 5-22=-2365/608, 22-23=-2303/616, 6-23=-2285/631, 6-24=-2508/687, 24-25=-2525/673, 7-25=-2587/665, 7-8=-2508/526, 8-9=-2585/503, 9-26=-2905/678, 10-26=-2944/657, 2-17=-273/151
BOT CHORD 16-17=-526/1905, 15-16=-177/1543, 15-27=-178/1536, 14-27=-177/1544, 14-28=-179/1521, 13-28=-181/1513, 12-13=-177/1543, 10-12=-498/2599
WEBS 3-17=-2100/488, 5-16=-440/344, 6-16=-331/957, 3-16=0/259, 6-12=-394/1292, 7-12=-427/342, 9-12=-455/325

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 1-1-8 to 4-11-0, Interior (1) 4-11-0 to 19-11-8, Exterior(2R) 19-11-8 to 23-9-0, Interior (1) 23-9-0 to 40-9-8 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; 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 12.0 psf or 2.00 times flat roof load of 10.4 psf on overhangs non-concurrent with other live loads.
6) Plates checked for a plus or minus 20 degree rotation about its center.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17 and 10. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R6G	Common Supported Gable	1	1	Job Reference (optional)

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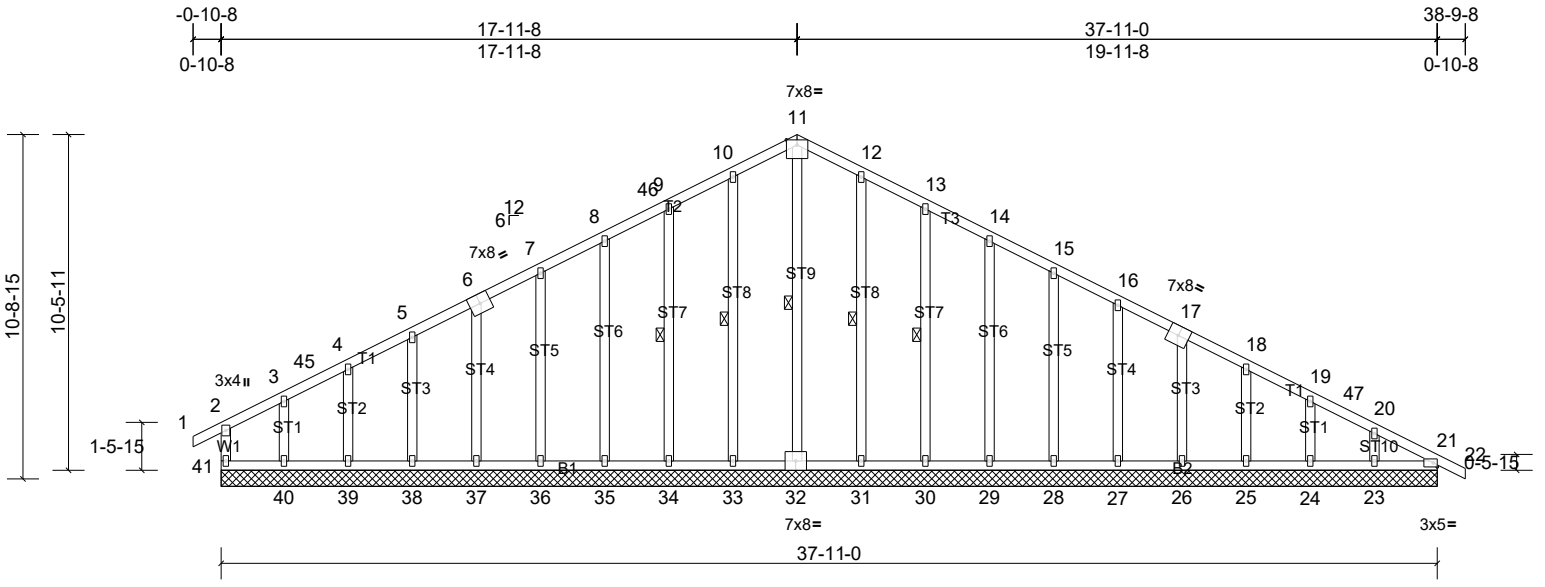


Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.01	21	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 269 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3 *Except* ST9,ST8:2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 11-32, 10-33, 9-34, 12-31, 13-30

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

REACTIONS All bearings 37-11-0.

(lb) - Max Horiz 41=-201 (LC 21)

Max Uplift All uplift 100 (lb) or less at joint(s) 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37, 38, 39, 41 except 23=-105 (LC 16), 24=-121 (LC 17), 40=-188 (LC 16)

Max Grav All reactions 250 (lb) or less at joint (s) 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37, 38, 39, 40, 41 except 23=361 (LC 37), 32=266 (LC 33)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	7-8=-70/264, 8-46=-89/314, 9-46=-78/318, 9-10=-108/376, 10-11=-127/424, 11-12=-127/423, 12-13=-108/375, 13-14=-89/317, 14-15=-70/262
WEBS	11-32=-281/53

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-10-8 to 2-11-0, Exterior(2N) 2-11-0 to 17-11-8, Corner(3R) 17-11-8 to 21-11-8, Exterior(2N) 21-11-8 to 38-9-8 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
3) 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.
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 10.4 psf on overhangs non-concurrent with other live loads.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Plates checked for a plus or minus 20 degree rotation about its center.
9) Gable requires continuous bottom chord bearing.
10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 41, 33, 34, 35, 36, 37, 38, 39, 31, 30, 29, 28, 27, 26, 25 except (jt=lb) 40=188, 24=120, 23=105.
14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R7	Common	1	1	Job Reference (optional)

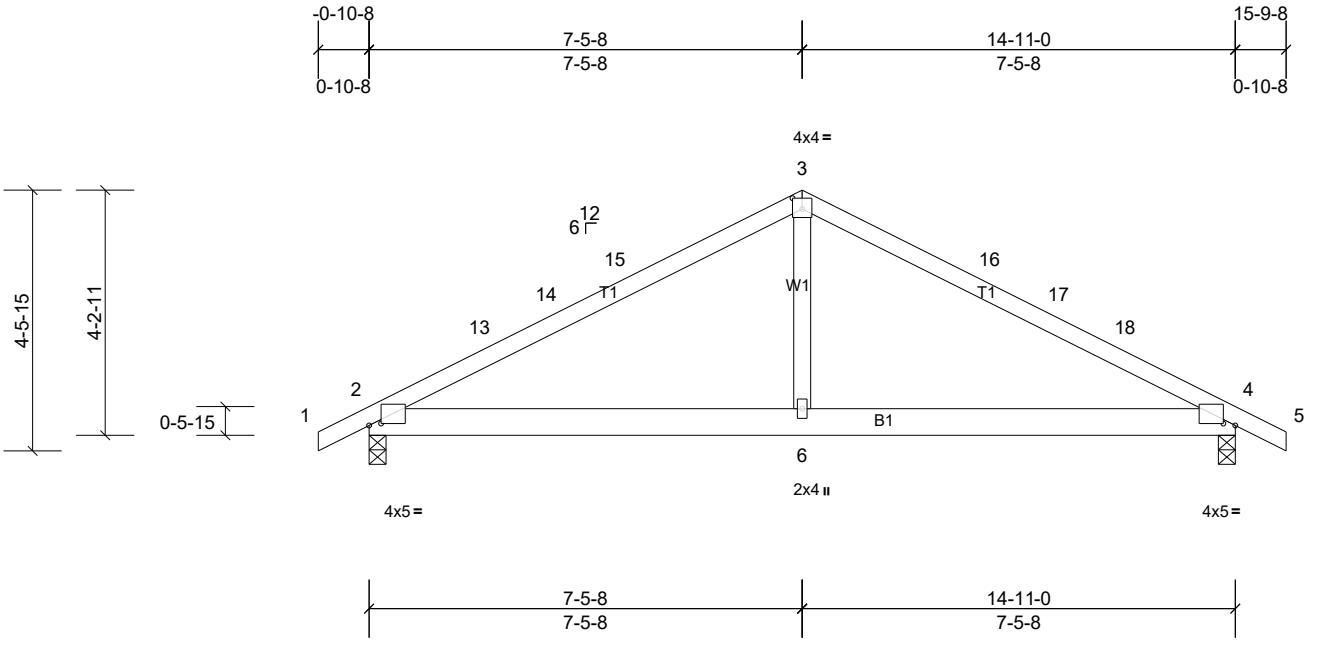


Plate Offsets (X, Y): [2:0-2-8,0-0-6], [3:0-2-0,0-2-4], [4:0-2-8,0-0-6]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	0.05	6-9	>999	240	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.08	6-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 68 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-12 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.

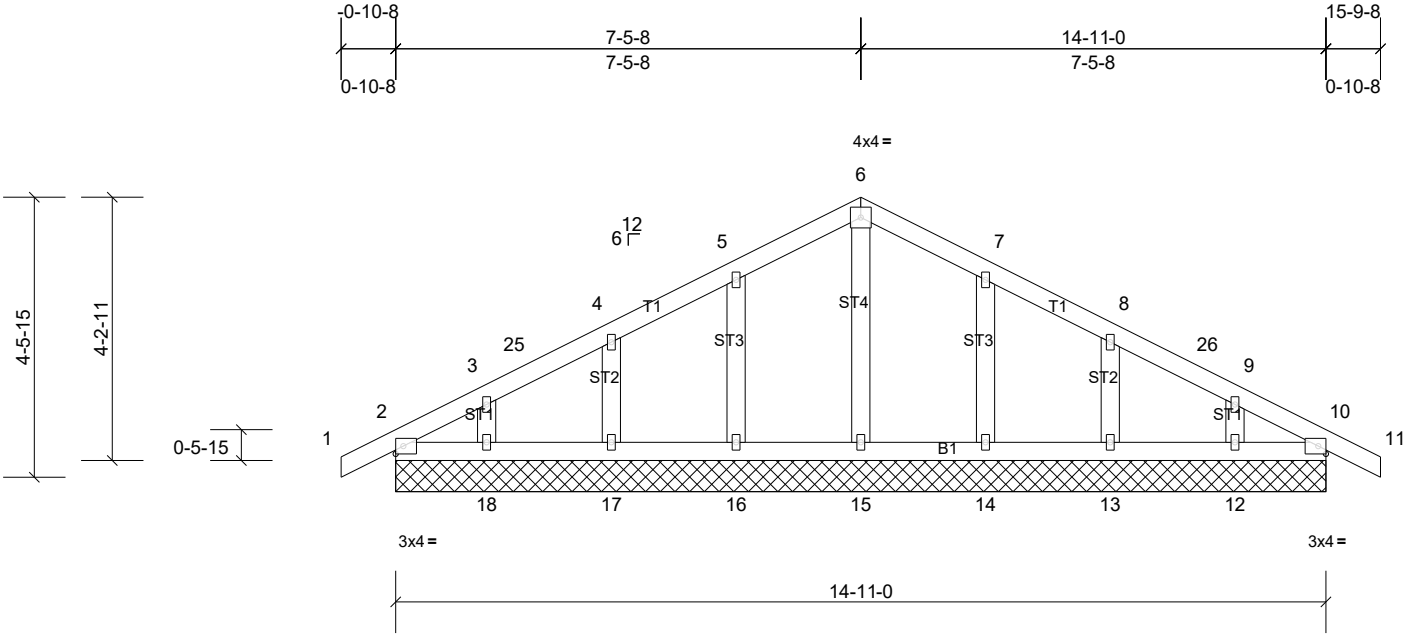
REACTIONS (lb/size) 2=489/0-3-8, (min. 0-1-8), 4=489/0-3-8, (min. 0-1-8)
Max Horiz 2=-80 (LC 17)
Max Uplift 2=-160 (LC 16), 4=-160 (LC 17)
Max Grav 2=649 (LC 2), 4=649 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-852/320, 13-14=-780/328, 14-15=-755/331, 3-15=-748/343, 3-16=-748/343, 16-17=-755/331, 17-18=-780/328, 4-18=-852/320
BOT CHORD 2-6=-157/675, 4-6=-157/675
WEBS 3-6=-7/379

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 7-5-8, Exterior(2R) 7-5-8 to 10-5-8, Interior (1) 10-5-8 to 15-9-8 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; 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 12.0 psf or 2.00 times flat roof load of 10.4 psf on overhangs non-concurrent with other live loads.
6) Plates checked for a plus or minus 20 degree rotation about its center.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R7G	Common Supported Gable	1	1	Job Reference (optional)



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	13	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 71 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins.
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.

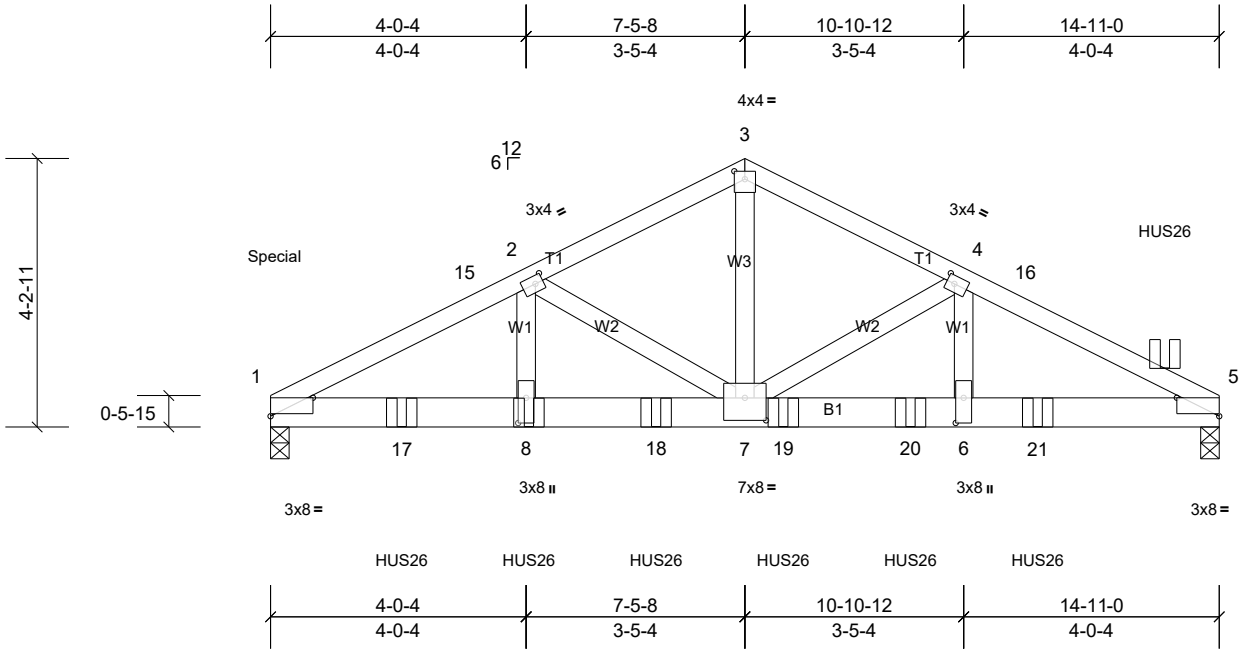
REACTIONS All bearings 14-11-0.
(lb) - Max Horiz 2=-80 (LC 17), 19=-80 (LC 17)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 12, 13, 14, 16, 17, 18, 19
Max Grav All reactions 250 (lb) or less at joint (s) 2, 12, 13, 14, 15, 16, 17, 18, 19

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-10-8 to 2-1-8, Exterior(2N) 2-1-8 to 7-5-8, Corner(3R) 7-5-8 to 10-5-8, Exterior(2N) 10-5-8 to 15-9-8 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
3) 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.
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 10.4 psf on overhangs non-concurrent with other live loads.
7) All plates are 1.5x3 MT20 unless otherwise indicated.
8) Plates checked for a plus or minus 20 degree rotation about its center.
9) Gable requires continuous bottom chord bearing.
10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 2, 16, 17, 18, 14, 13, 12, 2.
14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R7X	Common Girder	1	2	Job Reference (optional)



*** Design Problems ***
REVIEW REQUIRED

Hanger Design Failed/Reset Load Case(s) to design hangers.

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.09	7-8	>999	240	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.16	7-8	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.92	Horz(CT)	0.04	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 163 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=15162/0-3-8, (req. 1-2-13), 5=3707/0-3-8, (min. 0-3-1)
Max Horiz 1=72 (LC 37)
Max Uplift 5=-1164 (LC 13)
Max Grav 1=25113 (LC 37), 5=5156 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-7924/1836, 2-15=-7871/1843, 2-3=-5698/1344, 3-4=-5700/1346, 4-16=-7862/1833, 5-16=-7914/1826
BOT CHORD 1-17=-1666/7055, 8-17=-1666/7055, 8-18=-1666/7055, 7-18=-1666/7055, 7-19=-1585/7053, 19-20=-1585/7053, 6-20=-1585/7053, 6-21=-1585/7053, 5-21=-1585/7053
WEBS 3-7=-1098/4853, 2-8=-427/2074, 2-7=-2329/631, 4-6=-419/2051, 4-7=-2326/622

NOTES
1) 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: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 2-8 2x4 - 1 row at 0-3-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
6) Unbalanced snow loads have been considered for this design.
7) Plates checked for a plus or minus 20 degree rotation about its center.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) WARNING: Required bearing size at joint(s) 1 greater than input bearing size.
11) One HTS20 Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5. This connection is for uplift only and does not consider lateral forces.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 12-0-12 to connect truss(es) R1 (1 ply 2x4 SP) to front face of bottom chord.
14) Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent at 14-0-12 from the left end to connect truss(es) R1 (1 ply 2x4 SP) to front face of top chord.
15) Fill all nail holes where hanger is in contact with lumber.
16) WARNING: The following hangers are manually applied but fail due to geometric considerations: HUS26 on front face at 14-0-12 from the left end.
17) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 23645 lb down at 0-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-41, 3-5=-41, 9-12=-20
Concentrated Loads (lb)
Vert: 1=-11953, 8=-861, 13=-843, 17=-861, 18=-861, 19=-861, 20=-861, 21=-861

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R8	Common	1	1	Job Reference (optional)

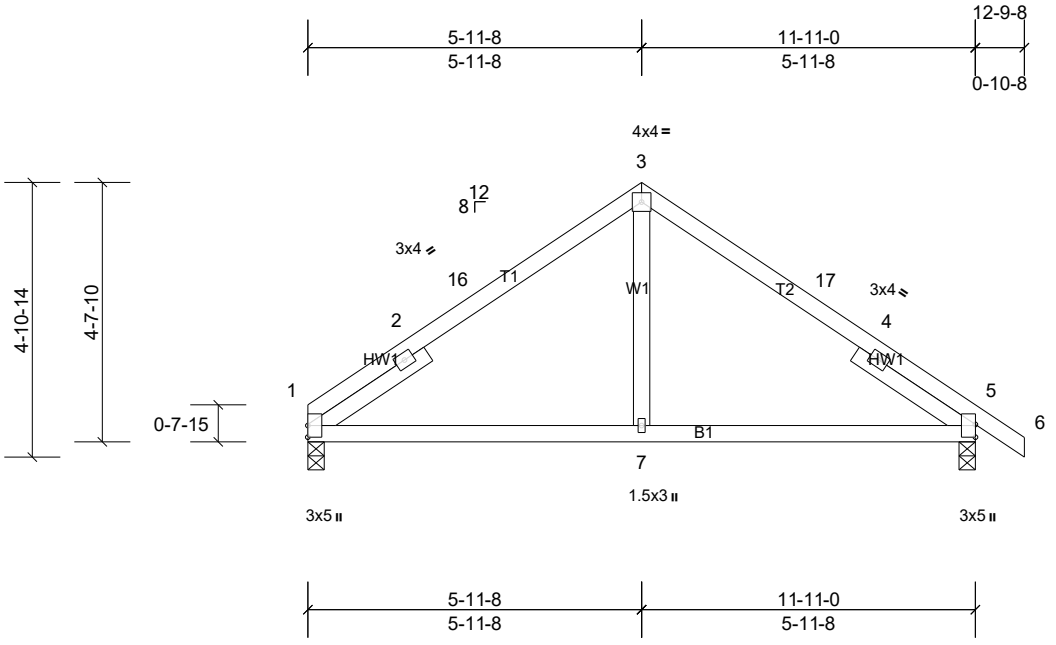


Plate Offsets (X, Y): [5:Edge,0-0-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	0.05	7-10	>999	240	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.07	7-10	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.02	1	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 55 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -- 2-6-0, Right 2x4 SP No.3 -- 2-6-0

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.

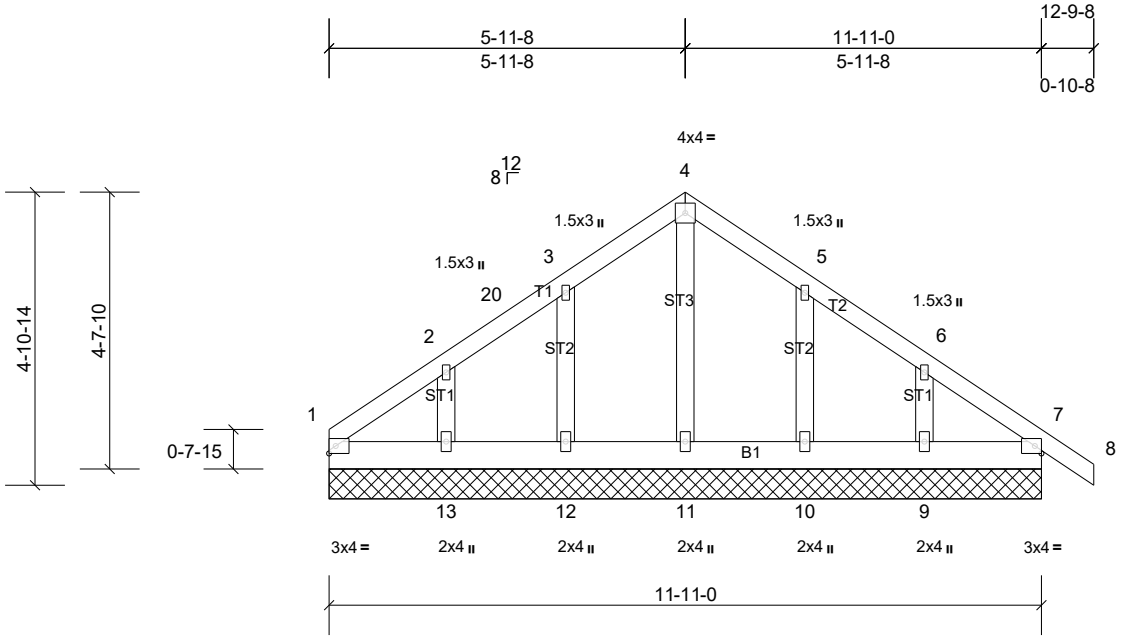
REACTIONS (lb/size) 1=361/0-3-8, (min. 0-1-8), 5=399/0-3-8, (min. 0-1-8)
Max Horiz 1=-124 (LC 10)
Max Uplift 1=-99 (LC 14), 5=-126 (LC 15)
Max Grav 1=475 (LC 2), 5=531 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-325/0, 2-16=-465/191, 3-16=-455/205, 3-17=-455/204, 4-17=-466/190, 4-5=-312/0
BOT CHORD 1-7=-241/387, 5-7=-43/387
WEBS 3-7=-1/264

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 5-11-8, Exterior(2R) 5-11-8 to 8-11-8, Interior (1) 8-11-8 to 12-9-8 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 10.4 psf on overhangs non-concurrent with other live loads.
5) Plates checked for a plus or minus 20 degree rotation about its center.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1 and 5. This connection is for uplift only and does not consider lateral forces.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R8G	Common Supported Gable	1	1	Job Reference (optional)



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	9	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 68 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins.
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 All bearings 11-11-0.
(lb) - Max Horiz 1=-124 (LC 10), 14=-124 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 10, 12, 14 except 9=-106 (LC 15), 13=-119 (LC 14)
Max Grav All reactions 250 (lb) or less at joint (s) 1, 10, 12, 13, 14 except 9=273 (LC 27), 11=307 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) 0-0-0 to 3-0-0, Exterior(2N) 3-0-0 to 5-11-8, Corner(3R) 5-11-8 to 8-11-8, Exterior(2N) 8-11-8 to 12-9-8 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
3) 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.
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 10.4 psf on overhangs non-concurrent with other live loads.
6) Plates checked for a plus or minus 20 degree rotation about its center.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 1, 12, 10, 1 except (jt=lb) 13=118, 9=105.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R8X	Common Girder	1	**2**	Job Reference (optional)

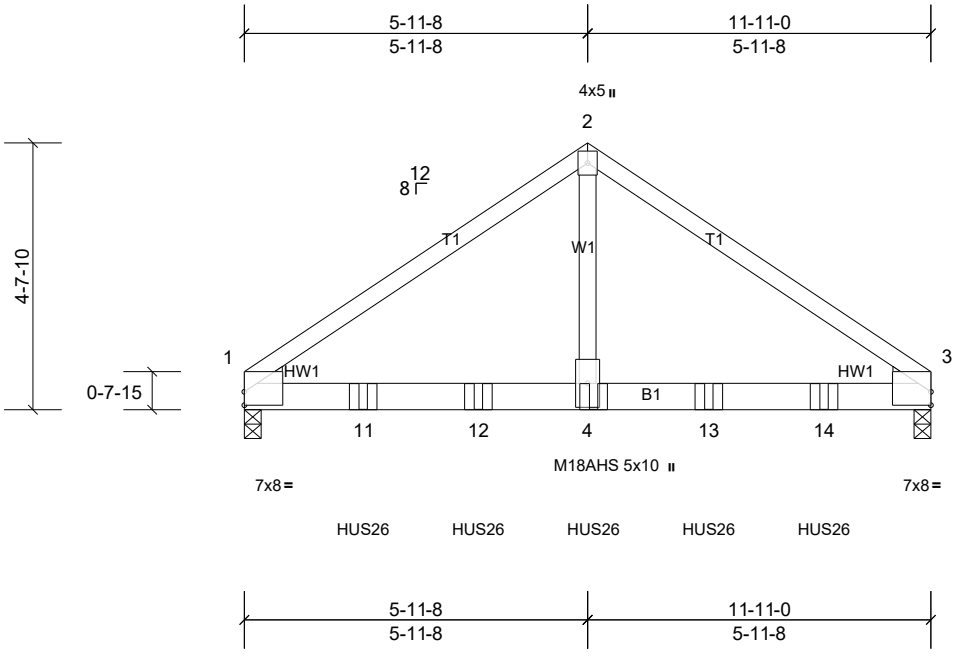


Plate Offsets (X, Y): [1:Edge,0-2-13], [3:Edge,0-2-13]

Loading	(psf)	**Spacing**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	-0.08	4-10	>999	240	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.14	4-10	>999	180	M18AHS	186/179
TCDL	10.0	Rep Stress Incr	NO	WB	0.65	Horz(CT)	0.01	1	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 113 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.2
WEDGE Left: 2x4 SP No.3
Right: 2x4 SP No.3

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

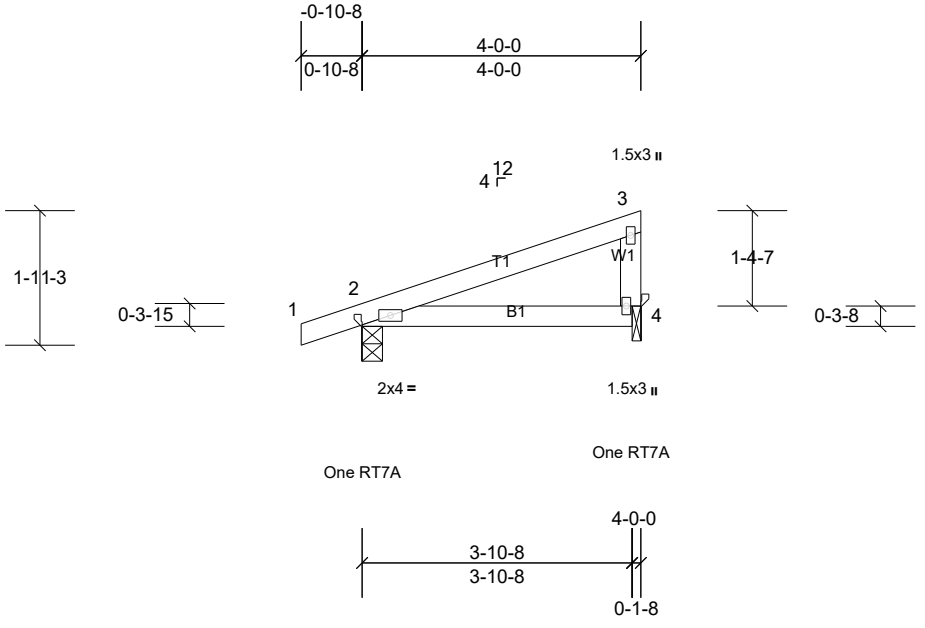
REACTIONS (lb/size) 1=3302/0-3-8, (min. 0-1-15), 3=3382/0-3-8, (min. 0-2-0)
Max Horiz 1=-113 (LC 6)
Max Uplift 1=-1043 (LC 10), 3=-1066 (LC 11)
Max Grav 1=4651 (LC 3), 3=4786 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-5524/1264, 2-3=-5523/1263
BOT CHORD 1-11=-991/4554, 11-12=-991/4554, 4-12=-991/4554, 4-13=-991/4554, 13-14=-991/4554, 3-14=-991/4554
WEBS 2-4=-1219/5739

NOTES
1) 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: 2x6 - 2 rows staggered at 0-6-0 oc.
Web connected as follows: 2x4 - 1 row at 0-5-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
6) All plates are MT20 plates unless otherwise indicated.
7) Plates checked for a plus or minus 20 degree rotation about its center.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Two RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1 and 3. This connection is for uplift only and does not consider lateral forces.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 10-0-12 to connect truss(es) R4 (1 ply 2x4 SP), R5 (1 ply 2x4 SP) to back face of bottom chord.
13) Fill all nail holes where hanger is in contact with lumber.
14) Double installations of RT7A require the two hurricane ties to be installed on opposite sides of top plate to avoid nail interference in single ply truss.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-41, 2-3=-41, 5-8=-20
Concentrated Loads (lb)
Vert: 4=-1193, 11=-1193, 12=-1193, 13=-1193, 14=-1188

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R9	Monopitch	3	1	Job Reference (optional)



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	-0.02	4-7	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 15 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 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) 2=157/0-3-8, (min. 0-1-8), 4=113/0-1-8, (min. 0-1-8)
Max Horiz 2=70 (LC 15)
Max Uplift 2=-92 (LC 12), 4=-48 (LC 16)
Max Grav 2=213 (LC 23), 4=149 (LC 23)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 3-10-4 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 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; 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 12.0 psf or 2.00 times flat roof load of 10.4 psf on overhangs non-concurrent with other live loads.
5) Plates checked for a plus or minus 20 degree rotation about its center.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
10) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R9G	Monopitch Supported Gable	1	1	Job Reference (optional)

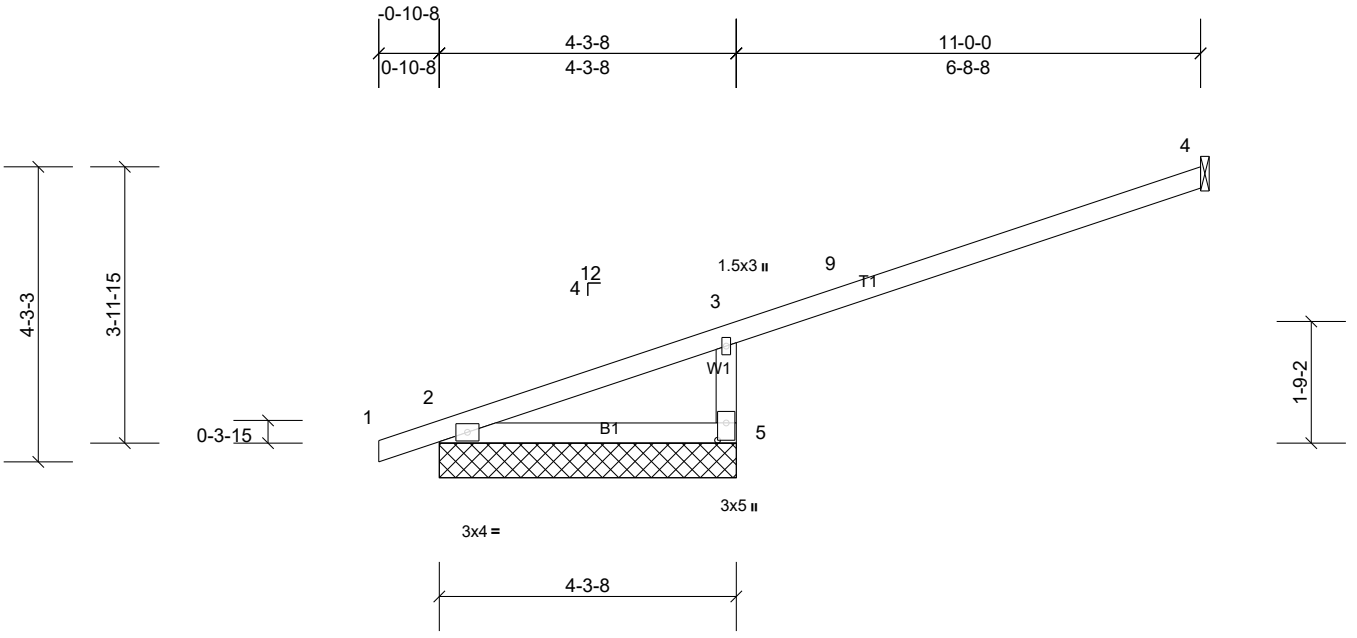


Plate Offsets (X, Y): [5:0-3-0,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.88	Vert(LL)	-0.01	5-8	>999	240	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.02	5-8	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 27 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 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 All bearings 4-3-8. except 4= Mechanical
(lb) - Max Horiz 2=146 (LC 12), 6=146 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 6 except 4=-114 (LC 12), 5=-261 (LC 16)
Max Grav All reactions 250 (lb) or less at joint (s) 2, 4, 6 except 5=469 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-414/165, 3-5=-440/842

NOTES
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-10-8 to 2-1-8, Exterior(2N) 2-1-8 to 10-11-4 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) 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 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; 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 12.0 psf or 2.00 times flat roof load of 10.4 psf on overhangs non-concurrent with other live loads.
6) Plates checked for a plus or minus 20 degree rotation about its center.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) except (jt=lb) 4=113.
12) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 5. This connection is for uplift only and does not consider lateral forces.
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R10	Attic	6	1	Job Reference (optional)

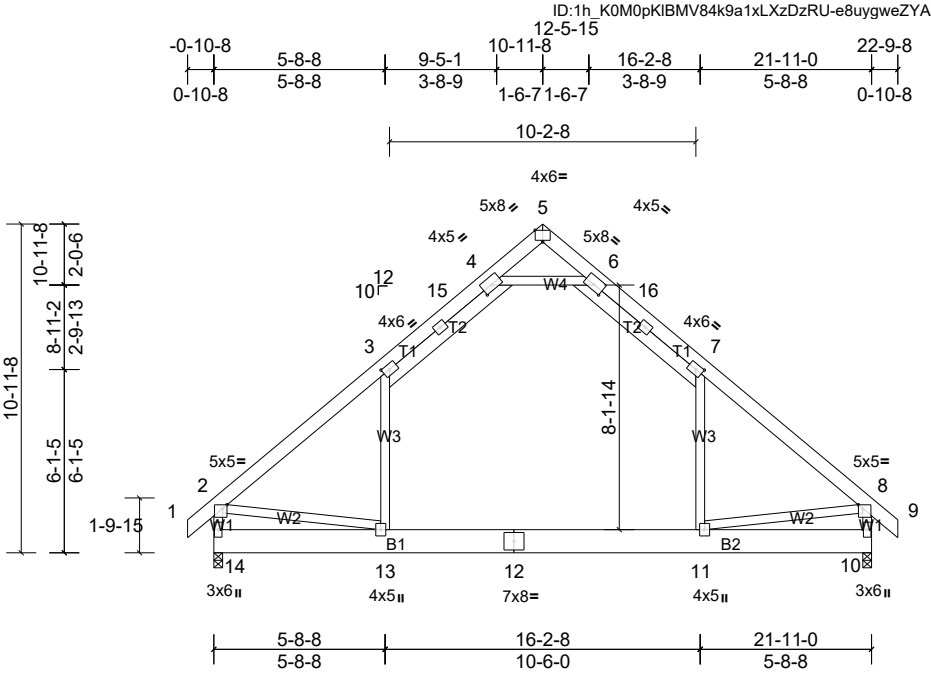


Plate Offsets (X, Y): [2:0-3-4,0-3-8], [3:0-2-12,0-2-0], [4:0-3-14,0-1-14], [5:0-3-0,Edge], [6:0-4-3,0-2-0], [7:0-2-12,0-2-0], [8:0-3-4,0-3-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.78	Vert(LL)	-0.17	11-13	>999	240	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.30	11-13	>865	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.01	10	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH		Attic	-0.09	11-13	>999	360		
BCDL	10.0										Weight: 224 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP 2400F 2.0E *Except* T2:2x6 SP No.2
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.3 *Except* W4:2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 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) 10=856/0-3-8, (min. 0-1-9), 14=856/0-3-8, (min. 0-1-9)
Max Horiz 14=333 (LC 13)
Max Uplift 10=-99 (LC 15), 14=-99 (LC 14)
Max Grav 10=1307 (LC 28), 14=1307 (LC 27)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1475/107, 3-15=-949/189, 4-15=-832/199, 4-5=-103/722, 5-6=-103/722, 6-16=-832/199, 7-16=-949/189, 7-8=-1474/107, 2-14=-1316/127, 8-10=-1317/127
BOT CHORD 13-14=-319/482, 12-13=0/1034, 11-12=0/1034
WEBS 7-11=0/617, 3-13=0/617, 4-6=-1823/333, 2-13=-14/858, 8-11=-20/863

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 10-11-8, Exterior(2R) 10-11-8 to 13-11-8, Interior (1) 13-11-8 to 22-9-8 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 10.4 psf on overhangs non-concurrent with other live loads.
5) Plates checked for a plus or minus 20 degree rotation about its center.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (5.0 psf) on member(s). 3-4, 6-7, 4-6
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-13
10) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14 and 10. This connection is for uplift only and does not consider lateral forces.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R10G	Attic Supported Gable	1	1	Job Reference (optional)

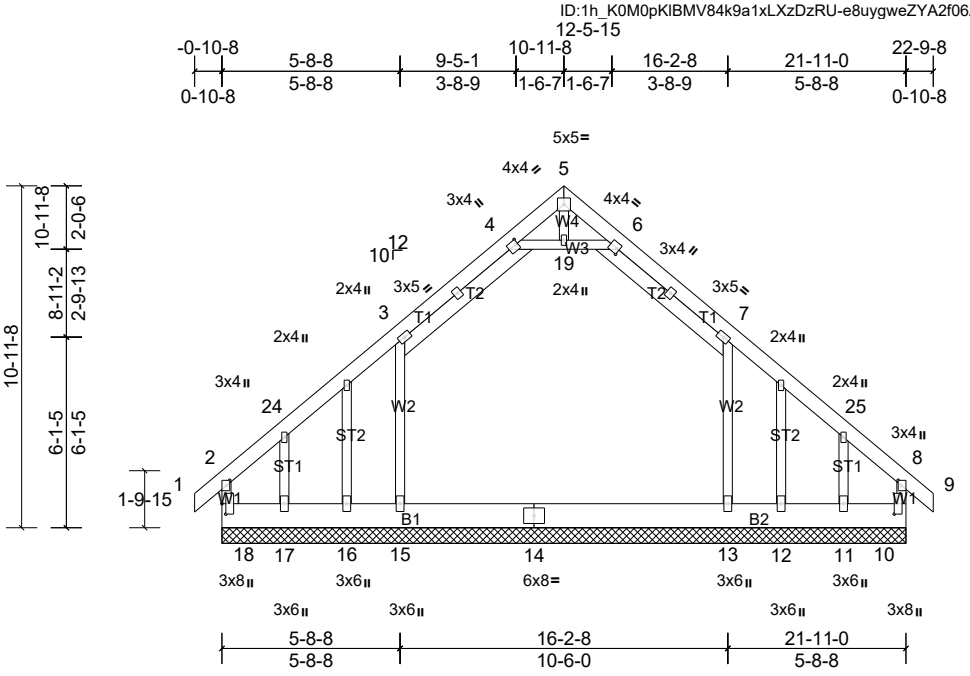


Plate Offsets (X, Y): [2:0-2-0,0-1-4], [4:0-0-12,0-2-0], [6:0-0-15,0-2-0], [8:0-2-0,0-1-4], [10:0-4-0,0-1-0], [18:0-4-0,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.00	10	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 228 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.3 *Except* W3:2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 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 All bearings 21-11-0.
(lb) - Max Horiz 18=333 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) 10, 18 except 11=-111 (LC 15), 12=-357 (LC 21), 13=-180 (LC 15), 15=-182 (LC 14), 16=-357 (LC 21), 17=-112 (LC 14)
Max Grav All reactions 250 (lb) or less at joint (s) 11, 12, 16, 17 except 10=508 (LC 27), 13=1106 (LC 28), 15=1109 (LC 27), 18=513 (LC 28)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-391/138, 2-24=-410/94, 3-24=-259/133, 3-4=-374/211, 6-7=-374/211, 7-25=-253/127, 8-25=-406/89, 8-10=-391/137
BOT CHORD 17-18=-99/269, 16-17=-99/269, 15-16=-99/269, 14-15=-99/269, 13-14=-99/269, 12-13=-99/269, 11-12=-99/269, 10-11=-99/269
WEBS 7-13=-512/316, 3-15=-516/318, 4-19=-196/391, 6-19=-196/391

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-10-8 to 2-1-8, Exterior(2N) 2-1-8 to 10-11-8, Corner(3R) 10-11-8 to 13-11-8, Exterior(2N) 13-11-8 to 22-9-8 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
3) 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.
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 10.4 psf on overhangs non-concurrent with other live loads.
6) Plates checked for a plus or minus 20 degree rotation about its center.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
11) Ceiling dead load (5.0 psf) on member(s). 2-3, 3-4, 6-7, 7-8, 4-19, 6-19
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 18, 10 except (jt=lb) 13=179, 15=181, 17=112, 16=356, 11=111, 12=356.
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
14) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R10X	Attic Girder	1	2	Job Reference (optional)

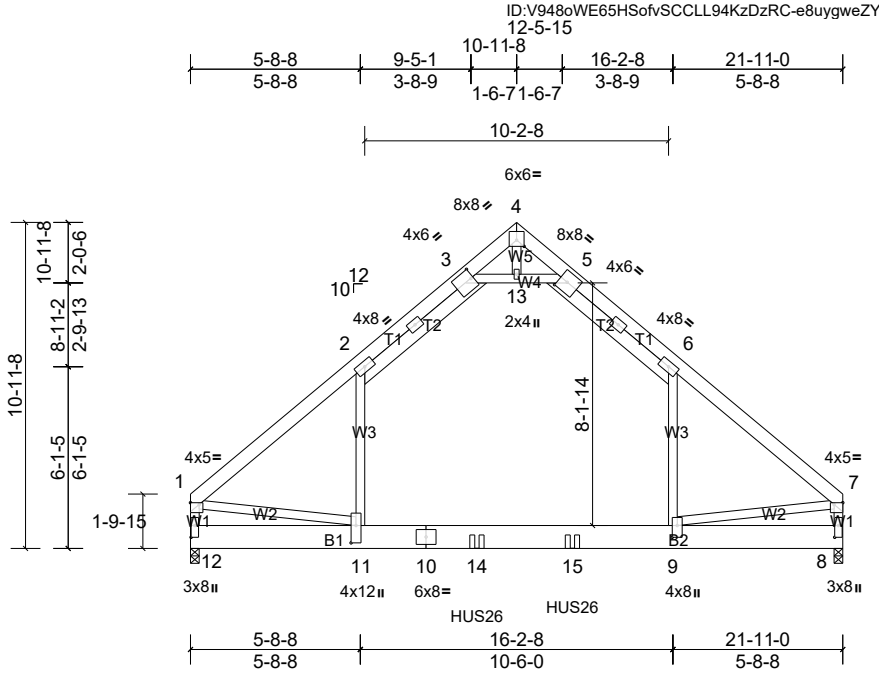


Plate Offsets (X, Y): [1:Edge,0-0-12], [3:0-1-0,0-4-0], [5:0-3-5,0-4-0], [7:Edge,0-0-12], [8:0-4-12,0-1-8], [9:0-4-12,0-2-0], [11:0-7-0,0-2-0], [12:0-4-12,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.74	Vert(LL)	0.32	9-11	>819	240	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.44	9-11	>587	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.36	Horz(CT)	0.01	8	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH		Attic	-0.13	9-11	>944	360		
BCDL	10.0										Weight: 440 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP 2400F 2.0E *Except* T2:2x6 SP No.2
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.3 *Except* W4:2x4 SP No.2

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

REACTIONS (lb/size) 8=1641/0-3-8, (min. 0-1-10), 12=1619/0-3-8, (min. 0-1-10)
Max Horiz 12=309 (LC 7)
Max Uplift 8=-926 (LC 11), 12=-928 (LC 10)
Max Grav 8=2785 (LC 23), 12=2736 (LC 22)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3589/1309, 2-3=-2079/835, 3-4=-859/1956, 4-5=-858/1967, 5-6=-2069/836, 6-7=-3601/1308, 1-12=-3117/1143, 7-8=-3131/1142
BOT CHORD 11-12=-436/632, 10-11=-815/2487, 10-14=-815/2487, 14-15=-815/2487, 9-15=-815/2487, 8-9=-207/423
WEBS 6-9=-852/2115, 2-11=-855/2081, 3-13=-5068/2197, 5-13=-5068/2197, 4-13=-146/391, 1-11=-734/2171, 7-9=-740/2155

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
6) Plates checked for a plus or minus 20 degree rotation about its center.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Ceiling dead load (5.0 psf) on member(s). 2-3, 5-6, 3-13, 5-13
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 9-11
11) Two RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 12 and 8. This connection is for uplift only and does not consider lateral forces.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 3-2-8 oc max. starting at 9-7-8 from the left end to 12-10-0 to connect truss(es) R12X (1 ply 2x10 SP), R11X (1 ply 2x10 SP) to back face of bottom chord.
14) Fill all nail holes where hanger is in contact with lumber.
15) Double installations of RT7A require the two hurricane ties to be installed on opposite sides of top plate to avoid nail interference in single ply truss.
16) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-41, 2-3=-51, 3-4=-41, 4-5=-41, 5-6=-51, 6-7=-41, 11-12=-20, 9-11=-40, 8-9=-20, 3-13=-10, 5-13=-10
Concentrated Loads (lb)
Vert: 14=-879, 15=-751

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R11	Roof Special	6	1	Job Reference (optional)

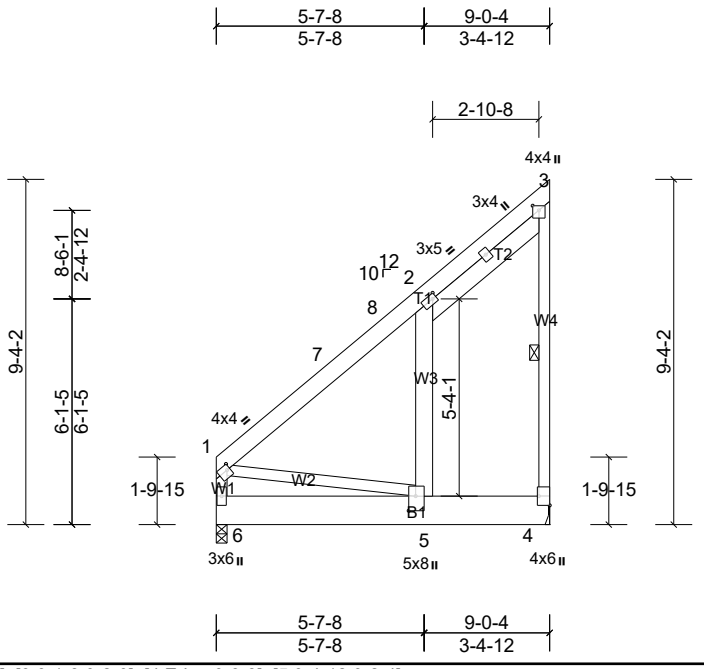


Plate Offsets (X, Y): [1:0-1-0,0-1-12], [2:0-1-4,0-1-8], [3:0-1-8,0-2-0], [4:Edge,0-3-8], [5:0-4-12,0-2-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.89	Vert(LL)	0.05	5-6	>999	240	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.06	5-6	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 106 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.3 *Except* W3:2x6 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-4

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

REACTIONS (lb/size) 4=265/ Mechanical, (min. 0-1-8), 6=265/0-3-8, (min. 0-1-8)
Max Horiz 6=368 (LC 11)
Max Uplift 4=-202 (LC 11), 6=-15 (LC 14)
Max Grav 4=548 (LC 26), 6=475 (LC 27)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-524/312, 7-8=-508/313, 2-8=-500/338, 1-6=-356/165
BOT CHORD 5-6=-724/545
WEBS 2-5=-287/414, 1-5=-421/620

NOTES
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Plates checked for a plus or minus 20 degree rotation about its center.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 202 lb uplift at joint 4.
8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6. This connection is for uplift only and does not consider lateral forces.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R11X	Flat Girder	1	1	Job Reference (optional)

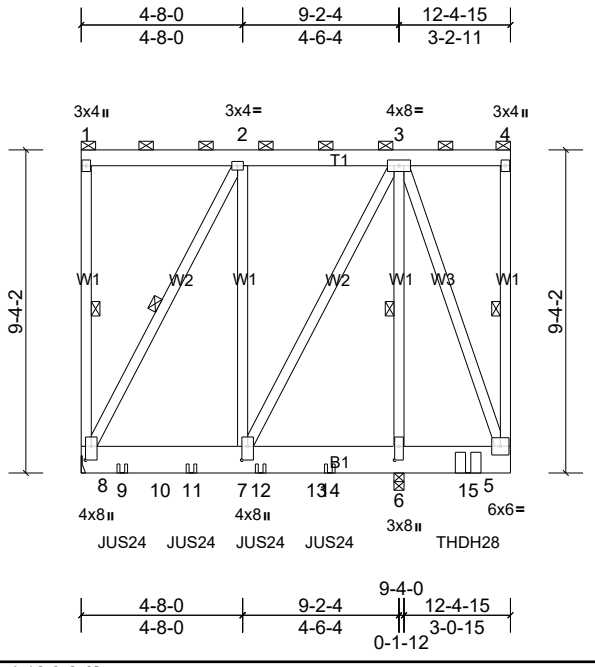


Plate Offsets (X, Y): [6:0-4-12,0-1-8], [7:0-4-12,0-2-0], [8:0-4-12,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	0.02	7-8	>999	240	MT20	244/190
Snow (Pf/Pg)	15.4/15.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.02	7-8	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 166 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.2

BRACING
TOP CHORD 2-0-0 oc purlins (6-0-0 max.): 1-4, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 1-8, 4-5, 3-6, 2-8

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

REACTIONS (lb/size) 6=1313/0-3-8, (min. 0-2-10), 8=771/ Mechanical, (min. 0-1-8)
Max Horiz 8=-363 (LC 8)
Max Uplift 6=-1065 (LC 9), 8=-697 (LC 8)
Max Grav 6=2202 (LC 25), 8=1416 (LC 26)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-362/147
BOT CHORD 8-9=-295/425, 9-10=-295/425, 10-11=-295/425, 7-11=-295/425
WEBS 3-6=-1084/675, 3-7=-494/929, 2-7=-235/629, 2-8=-854/482

NOTES
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) Plates checked for a plus or minus 20 degree rotation about its center.
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 3-06-00 tall by 2-00-00 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 697 lb uplift at joint 8.
10) Two RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6. This connection is for uplift only and does not consider lateral forces.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Use MiTek JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-2-4 from the left end to 7-2-4 to connect truss(es) R11 (1 ply 2x10 SP) to front face of bottom chord.
14) Use MiTek THDH28 (With 36-16d nails into Girder & 12-16d nails into Truss) or equivalent at 11-2-4 from the left end to connect truss(es) R11 (1 ply 2x10 SP) to front face of bottom chord.
15) Fill all nail holes where hanger is in contact with lumber.
16) Double installations of RT7A require the two hurricane ties to be installed on opposite sides of top plate to avoid nail interference in single ply truss.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-4=-51, 5-8=-20
Concentrated Loads (lb)
Vert: 9=-245, 11=-245, 12=-245, 14=-245, 15=-245

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R12	Roof Special	5	1	Job Reference (optional)

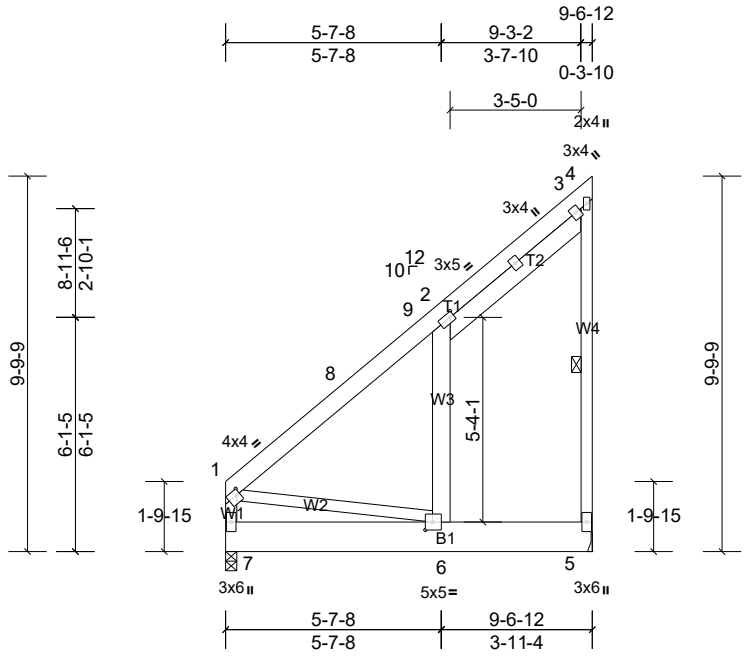


Plate Offsets (X, Y): [1:0-1-0,0-1-12], [2:0-1-4,0-1-8], [6:0-2-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	0.07	6-7	>999	240	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.07	6-7	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 113 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.3 *Except* W4:2x4 SP No.2, W3:2x6 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-5

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

REACTIONS (lb/size) 5=282/ Mechanical, (min. 0-1-8), 7=282/0-3-8, (min. 0-1-8)
Max Horiz 7=343 (LC 14)
Max Uplift 5=-301 (LC 14)
Max Grav 5=546 (LC 26), 7=410 (LC 26)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-392/151, 8-9=-376/176, 2-9=-365/177
BOT CHORD 6-7=-491/283
WEBS 2-6=-277/371, 1-6=-285/498

NOTES
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 9-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Plates checked for a plus or minus 20 degree rotation about its center.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 301 lb uplift at joint 5.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	R12X	Flat Girder	1	1	Job Reference (optional)

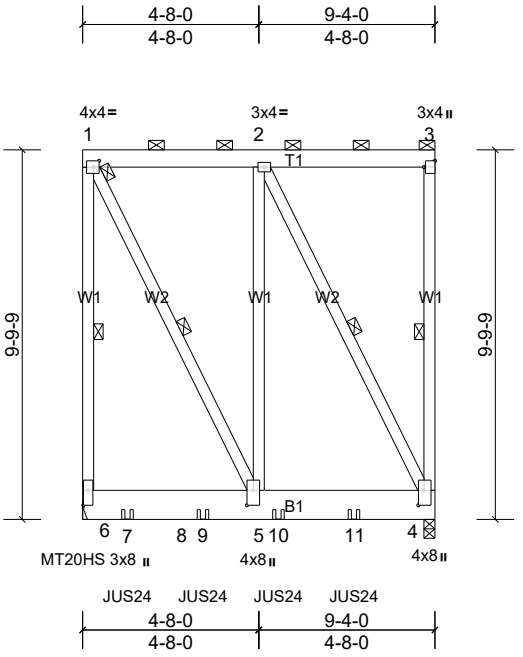


Plate Offsets (X, Y): [1:0-1-12,0-2-0], [3:Edge,0-3-8], [4:0-4-12,0-1-12], [5:0-4-12,0-2-0], [6:0-4-12,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	0.02	5-6	>999	240	MT20HS	187/143
Snow (Pf/Pg)	15.4/15.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.03	5-6	>999	180	MT20	244/190
TCDL	10.0	Rep Stress Incr	NO	WB	0.63	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 125 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.2

BRACING
TOP CHORD 2-0-0 oc purlins (6-0-0 max.): 1-3, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 1-6, 3-4, 2-4, 1-5

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

REACTIONS (lb/size) 4=788/0-3-8, (min. 0-1-10), 6=899/Mechanical, (min. 0-1-8)
Max Horiz 6=-382 (LC 8)
Max Uplift 4=-863 (LC 9), 6=-995 (LC 8)
Max Grav 4=1351 (LC 25), 6=1577 (LC 26)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-995/694, 1-2=-432/238
BOT CHORD 6-7=-331/298, 7-8=-331/298, 8-9=-331/298, 5-9=-331/298, 5-10=-402/505, 10-11=-402/505, 4-11=-402/505
WEBS 2-4=-1053/715, 2-5=-457/835, 1-5=-715/1052

NOTES
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Plates checked for a plus or minus 20 degree rotation about its center.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 995 lb uplift at joint 6.
11) Two RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4. This connection is for uplift only and does not consider lateral forces.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Use MiTek JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-2-4 from the left end to 7-2-4 to connect truss(es) R12 (1 ply 2x10 SP) to back face of bottom chord.
15) Fill all nail holes where hanger is in contact with lumber.
16) Double installations of RT7A require the two hurricane ties to be installed on opposite sides of top plate to avoid nail interference in single ply truss.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-51, 4-6=-20
Concentrated Loads (lb)
Vert: 7=-262, 9=-262, 10=-262, 11=-262

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	V1	Valley	1	1	Job Reference (optional)

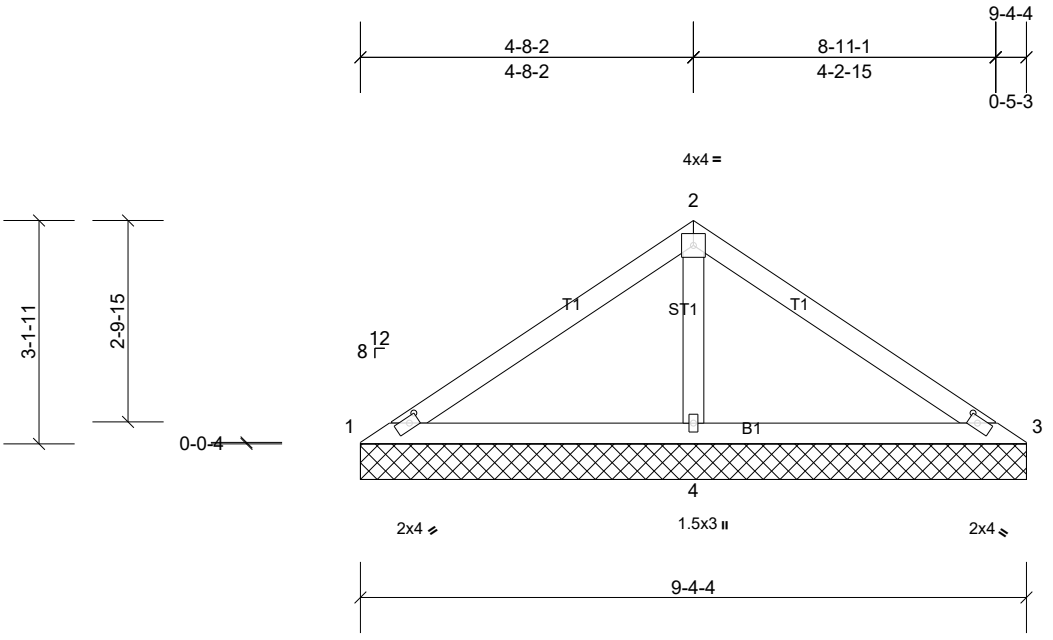


Plate Offsets (X, Y): [1:0-1-9,Edge], [3:0-1-9,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.21	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.11	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 33 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 9-4-4 oc purlins.
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.

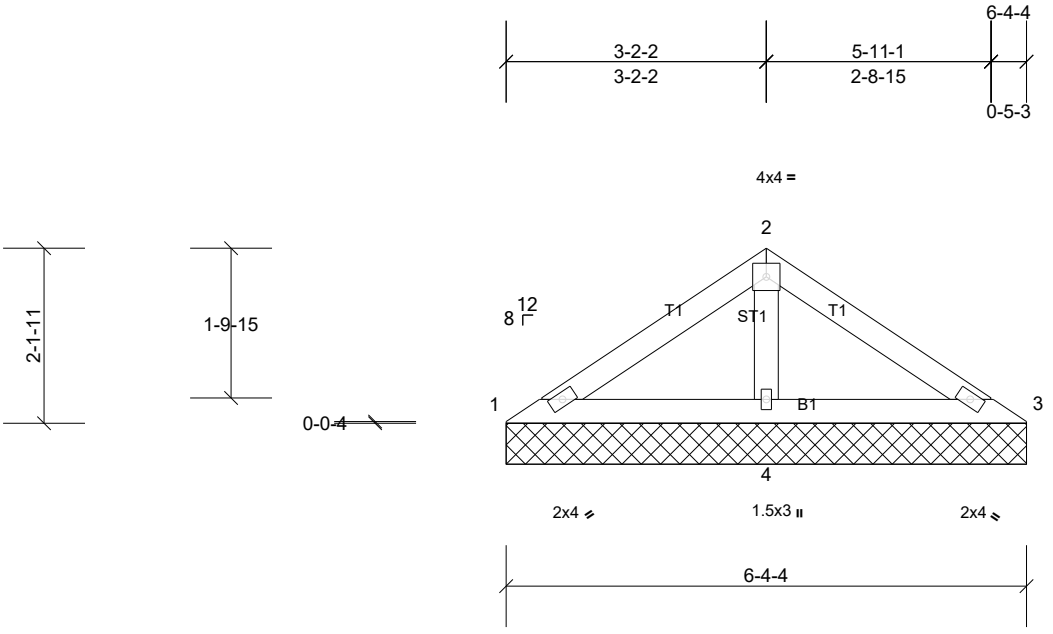
REACTIONS (lb/size) 1=28/9-4-4, (min. 0-1-8), 3=28/9-4-4, (min. 0-1-8), 4=512/9-4-4, (min. 0-1-8)
Max Horiz 1=-84 (LC 10)
Max Uplift 1=-19 (LC 32), 3=-22 (LC 10), 4=-163 (LC 14)
Max Grav 1=75 (LC 31), 3=75 (LC 32), 4=673 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-130/304, 2-3=-130/304
WEBS 2-4=-510/310

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 4-8-8, Exterior(2R) 4-8-8 to 7-8-8, Interior (1) 7-8-8 to 9-4-10 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Plates checked for a plus or minus 20 degree rotation about its center.
5) Gable requires continuous bottom chord bearing.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 1, 22 lb uplift at joint 3 and 163 lb uplift at joint 4.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	V2	Valley	1	1	Job Reference (optional)



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.12	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 21 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-4-4 oc purlins.
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) 1=38/6-4-4, (min. 0-1-8), 3=38/6-4-4, (min. 0-1-8), 4=311/6-4-4, (min. 0-1-8)
Max Horiz 1=56 (LC 11)
Max Uplift 1=-8 (LC 14), 3=-18 (LC 15), 4=-94 (LC 14)
Max Grav 1=69 (LC 31), 3=69 (LC 32), 4=409 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-275/200

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Plates checked for a plus or minus 20 degree rotation about its center.
5) Gable requires continuous bottom chord bearing.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 8 lb uplift at joint 1, 18 lb uplift at joint 3 and 94 lb uplift at joint 4.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	V3	Valley	1	1	Job Reference (optional)

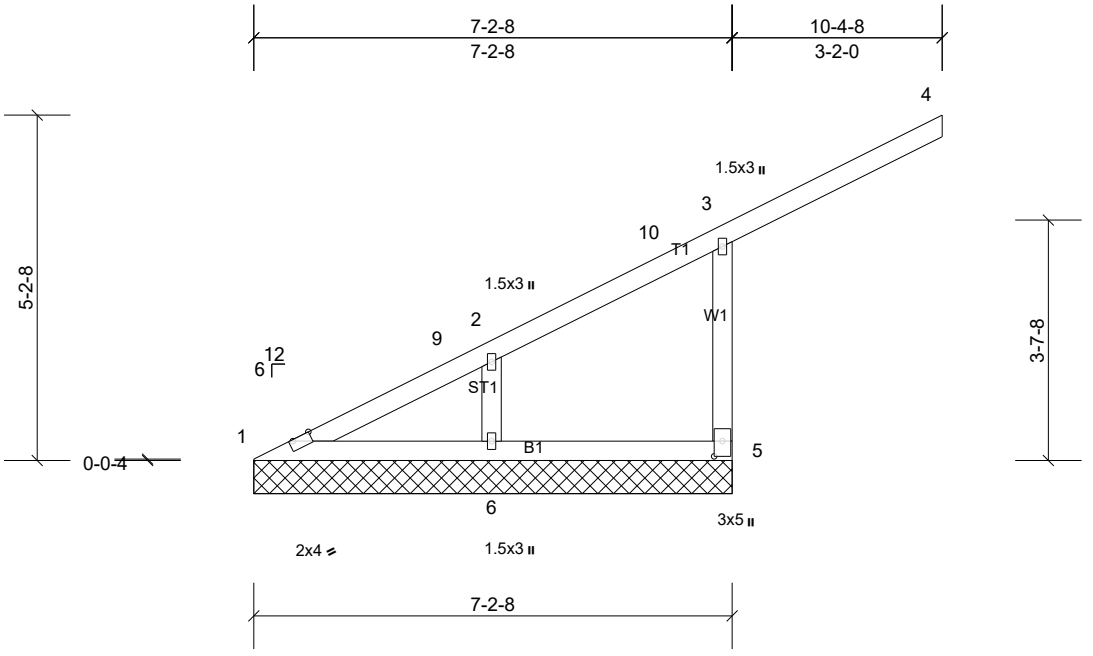


Plate Offsets (X, Y): [1:0-3-4,Edge], [5:0-2-12,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 33 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP 1650F 1.7E
BOT CHORD 2x4 SP 1650F 1.7E
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 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) 1=98/7-2-8, (min. 0-1-8), 5=294/7-2-8, (min. 0-1-8), 6=172/7-2-8, (min. 0-1-8)
Max Horiz 1=220 (LC 13)
Max Uplift 5=-266 (LC 13), 6=-50 (LC 16)
Max Grav 1=136 (LC 31), 5=445 (LC 23), 6=217 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-310/106, 2-9=-303/124, 2-10=-294/67, 3-10=-282/92, 3-5=-424/505

NOTES
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-8 to 3-0-8, Interior (1) 3-0-8 to 10-5-0 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 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; 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 12.0 psf or 2.00 times flat roof load of 10.4 psf on overhangs non-concurrent with other live loads.
5) Plates checked for a plus or minus 20 degree rotation about its center.
6) Gable requires continuous bottom chord bearing.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 266 lb uplift at joint 5 and 50 lb uplift at joint 6.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	V4	Valley	1	1	Job Reference (optional)

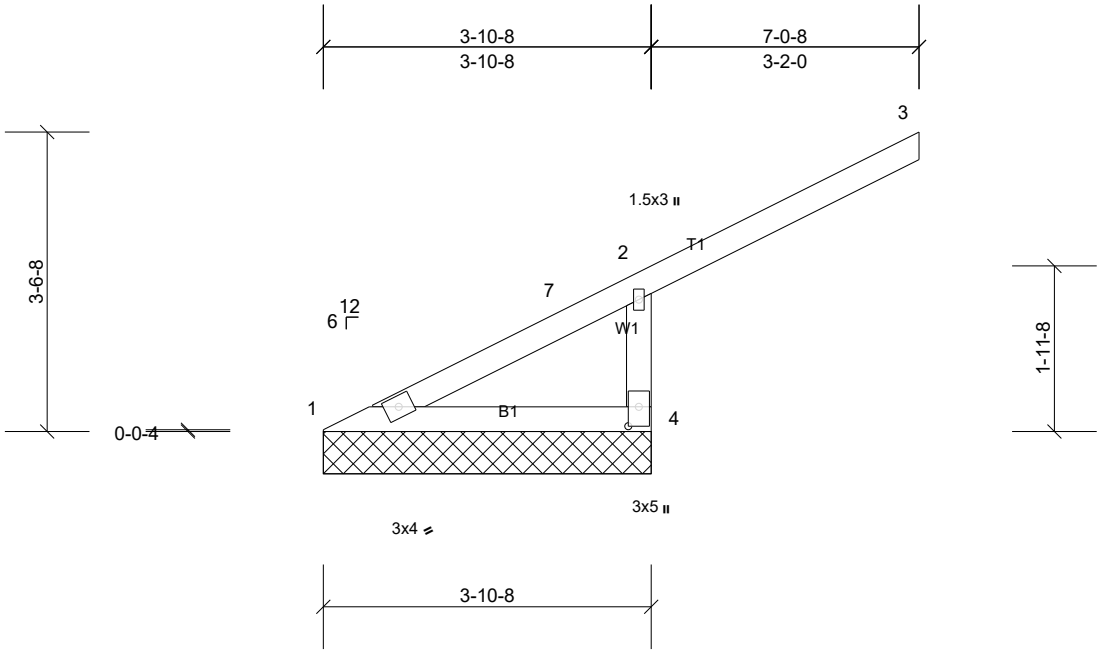


Plate Offsets (X, Y): [4:0-2-12,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.89	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 18 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 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.

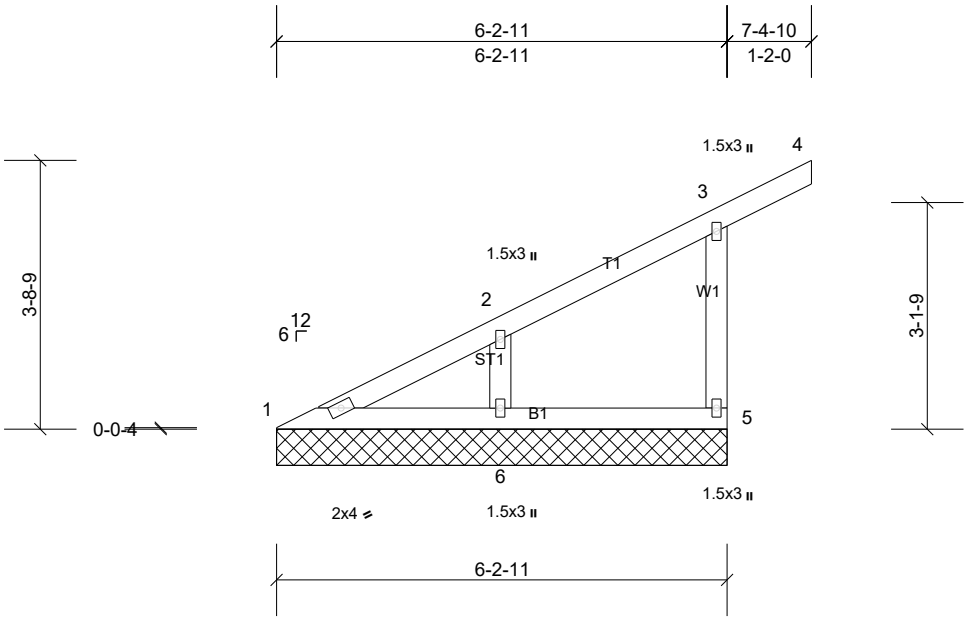
REACTIONS (lb/size) 1=53/3-10-8, (min. 0-1-8), 4=308/3-10-8, (min. 0-1-8)
Max Horiz 1=145 (LC 13)
Max Uplift 1=-16 (LC 22), 4=-239 (LC 16)
Max Grav 1=102 (LC 13), 4=447 (LC 23)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-327/94, 2-7=-285/106, 2-4=-455/562
BOT CHORD 1-4=-62/262

NOTES
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-8 to 3-0-8, Interior (1) 3-0-8 to 7-1-0 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 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; 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 12.0 psf or 2.00 times flat roof load of 10.4 psf on overhangs non-concurrent with other live loads.
5) Plates checked for a plus or minus 20 degree rotation about its center.
6) Gable requires continuous bottom chord bearing.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 1 and 239 lb uplift at joint 4.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	V5	Valley	1	1	Job Reference (optional)



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 26 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 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) 1=75/6-2-11, (min. 0-1-8), 5=136/6-2-11, (min. 0-1-8), 6=212/6-2-11, (min. 0-1-8)
Max Horiz 1=156 (LC 13)
Max Uplift 5=-102 (LC 13), 6=-105 (LC 16)
Max Grav 1=104 (LC 31), 5=211 (LC 23), 6=276 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-263/126, 3-5=-189/252

NOTES
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-8 to 3-1-9, Interior (1) 3-1-9 to 7-5-2 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 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; 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 12.0 psf or 2.00 times flat roof load of 10.4 psf on overhangs non-concurrent with other live loads.
5) Plates checked for a plus or minus 20 degree rotation about its center.
6) Gable requires continuous bottom chord bearing.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint 5 and 105 lb uplift at joint 6.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Capers, Carlton DU-Roof
Q015240-R	V6	Valley	1	1	Job Reference (optional)

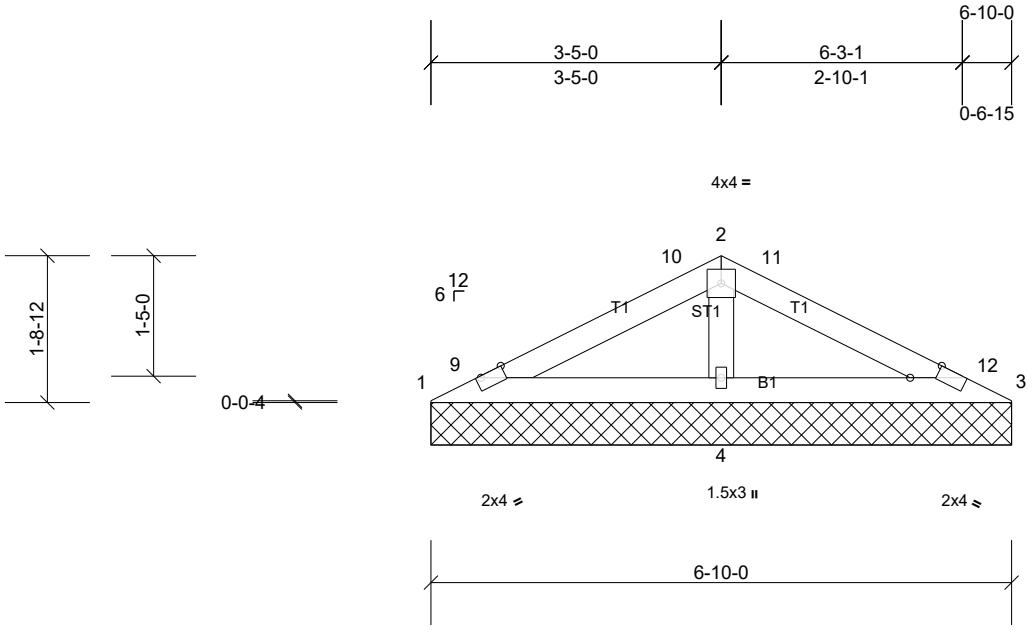


Plate Offsets (X, Y): [1:0-3-4,Edge], [3:0-3-4,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	10.4/15.0	Lumber DOL	1.25	BC	0.16	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 21 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-10-0 oc purlins.
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) 1=44/6-10-0, (min. 0-1-8), 3=44/6-10-0, (min. 0-1-8), 4=328/6-10-0, (min. 0-1-8)
Max Horiz 1=30 (LC 20)
Max Uplift 1=-19 (LC 16), 3=-25 (LC 17), 4=-87 (LC 16)
Max Grav 1=78 (LC 35), 3=78 (LC 36), 4=431 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-285/253

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-8 to 3-0-8, Interior (1) 3-0-8 to 3-5-8, Exterior(2R) 3-5-8 to 6-5-8, Interior (1) 6-5-8 to 6-10-8 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pg=15.0 psf; Pf=10.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Plates checked for a plus or minus 20 degree rotation about its center.
6) Gable requires continuous bottom chord bearing.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 1, 25 lb uplift at joint 3 and 87 lb uplift at joint 4.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

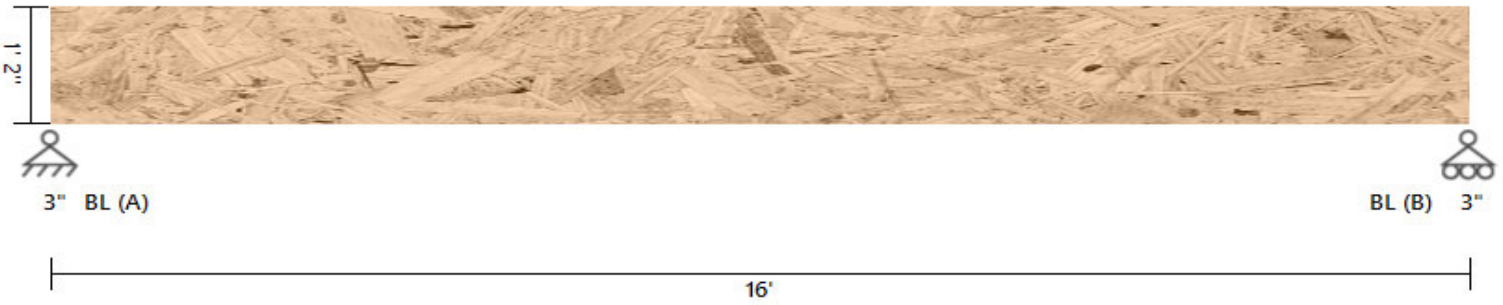
LOAD CASE(S) Standard

PASS

DATE:	5/31/2023	COMPANY:	Schumacher Homes
STRUCALC BUILD:	StruCalc Plus	DESIGNED BY:	Dan Fishtorn
CUSTOMER:	Capers DU700 023 0216	REVIEWED BY:	--
PROJ. ADDRESS:	--	PROJECT NAME:	Capers DU700 023 0216
	--		
LEVEL:	Main Floor	LOADING:	ASD
MEMBER NAME:	Garage Door Header	CODE:	2021 International Building Code
MEMBER TYPE:	FLOOR BEAM	NDS:	2018 NDS
MATERIAL:	Structural Composite Lumber		

Louisiana Pacific	2.0E LVL	(2) 1.75 X 14	DRY		

Garage Door Header DIAGRAM



BEAM PROPERTIES

Start (ft): 0 End (ft): 16 Member Slope: 0/12 Actual Length (ft): 16

Area (in^2)	Ix (in^4)	Iy (in^4)	BSW (lbf/ft)	Lams	Cfn	Kcr Creep Factor
49	800.33	12.51	13.95	2	9	1

STRENGTH PROPERTIES

	Fb (psi)	Ft (psi)	Fv (psi)	Fc (psi)	Fc⊥ (psi)	E (psi) x10^3	Emin (psi) x10^3
Base Values	2900	1800	285	3200	750	2000	1000
Adjusted Values	2900	1800	285	3200	750	2000	1000
C_M	1	1	1	1	1	1	1
C_T	1	1	1	1	1	1	1

Bending Adjustment Factors $C_V = 0.98C_r = 1$ Volume factor Is applied on a load combination basis And Is Not reflected in the adjusted values

BEAM DATA

Span	Length (ft)	Unbraced Length (ft) Top	Unbraced Length (ft) Bottom	Beam End Elev. Diff (ft)	CL(Top)	CL(Bottom)	CL(Left)	CL(Right)
1	16	0	16	0	1.00	0.87	1.00	1.00

PASS-FAIL

	PASS/FAIL	MAGNITUDE	STRENGTH	LOCATION (ft)	LOAD COMBO	DURATION FACTOR CD
Shear Stress Y (psi)	PASS (36.9%)	179.7	285.0	0	D+L	1
Bending Stress Y (psi)	PASS (5.1%)	2704.4	2850.8	8.8	D+L	1
Deflection (in)	PASS (8.1%)	0.735 (=L/261)	0.800 (=L/240)	8.16	D+L	
Bearing Stress (psi)	PASS (25.4%)	559.2	750.0	0	D+L	1

REACTIONS

Units for V: lbf Units for M: lbf-ft

Y axis	DEAD	LIVE	TOTAL
A	2591	3280	5871
B	2377	2996	5373

Reaction Location

A B

LOAD LIST

Type	Name	Left Magnitude	Right Magnitude	Load Start (ft)	Load End (ft)	Load Type	Direction
Uniform (lbf/ft)	Uniform	373	373	0	11	Live	Y
Uniform (lbf/ft)	Uniform	282	282	0	11	Dead	Y
Uniform (lbf/ft)	Uniform	117	117	11	16	Live	Y
Uniform (lbf/ft)	Uniform	89	89	11	16	Dead	Y
Point (lbf)	Point	1588	-	11	-	Live	Y
Point (lbf)	Point	1198	-	11	-	Dead	Y
Self Weight (lbf/ft)	-	13.95	13.95	0	16	Dead	Y