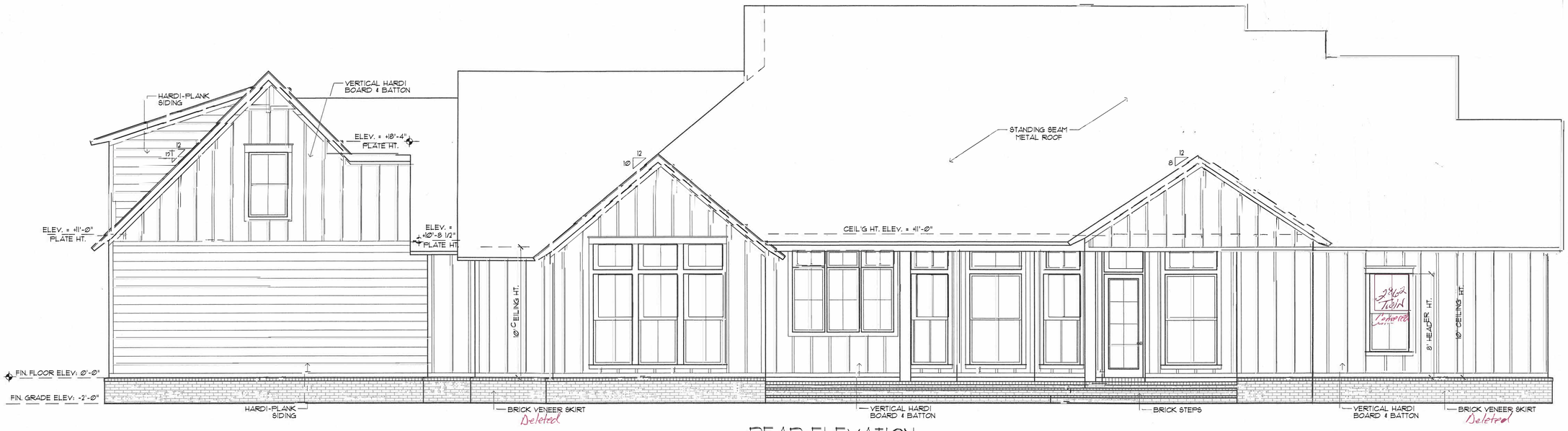


REAR ELEVATION

SCALE: 1/4"=1'-Ø"

FRONT ELEVATION

SCALE: 1/4"=1'-Ø"

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
04/11/2022
Harnett COUNTY NORTH CAROLINA

CONTRACTORS SHALL ASSUME RESPONSIBILITY FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB. THE DESIGNER SHALL BE NOTIFIED AND CONSENT TO ANY VARIATIONS FROM THE DIMENSIONS SET FORTH HEREIN. EVERY EFFORT HAS BEEN MADE TO SPECIFY STRUCTURAL DATA AND DIMENSIONS. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF DIMENSIONS IN THE FIELD AND SHALL BUILD HOME IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2015.

RESIDENCE OF

Project

MADDEN HOME DESIGN
8375 Rushing Road
Denham Springs, Louisiana 70726
Phone (225) 791-2912

Project No.: The Tanglewood-Mirror
DATE: JUNE 15, 2020
DRAWN BY: Steven Madden
DESIGNED BY: Steven Madden
REVISED:

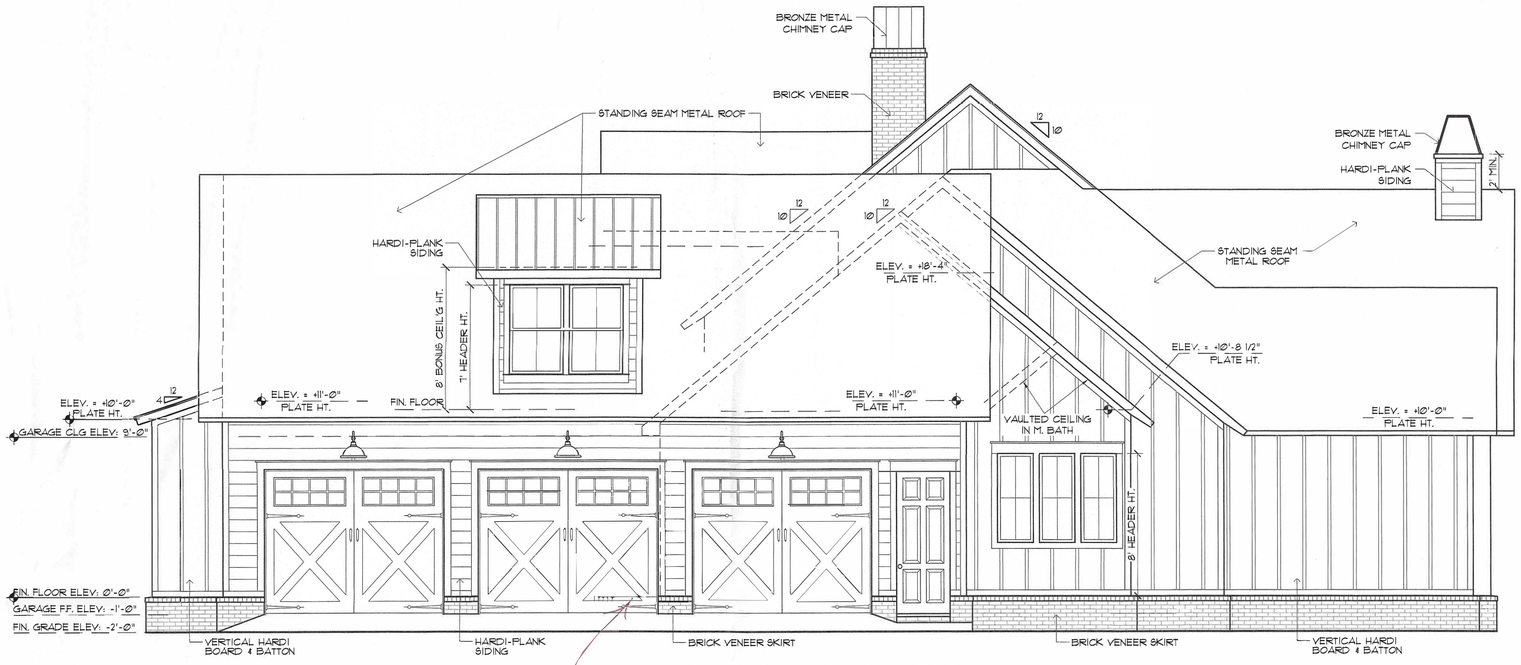
Sheet Title

FRONT & REAR ELEVATIONS

☐ Preliminary Dwg.
☐ Bidding Doc.
☐ Construction Doc.

Sheet:

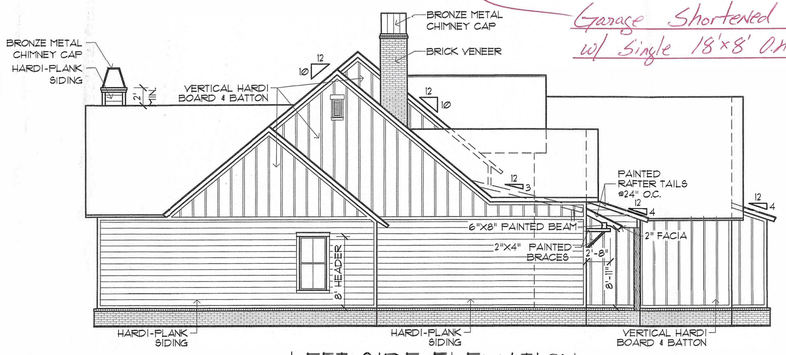
A2.0



RIGHT SIDE ELEVATION

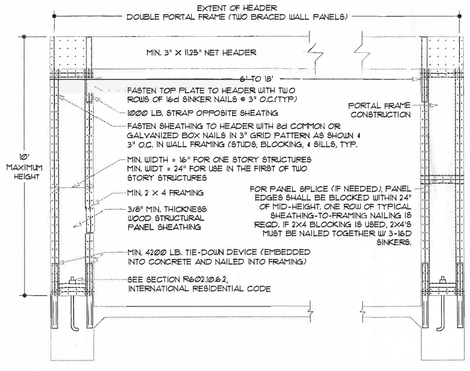
SCALE: 1/4"=1'-0"

Garage Shortened to 26' w/ Single 18'x8' O.H. Gar Door



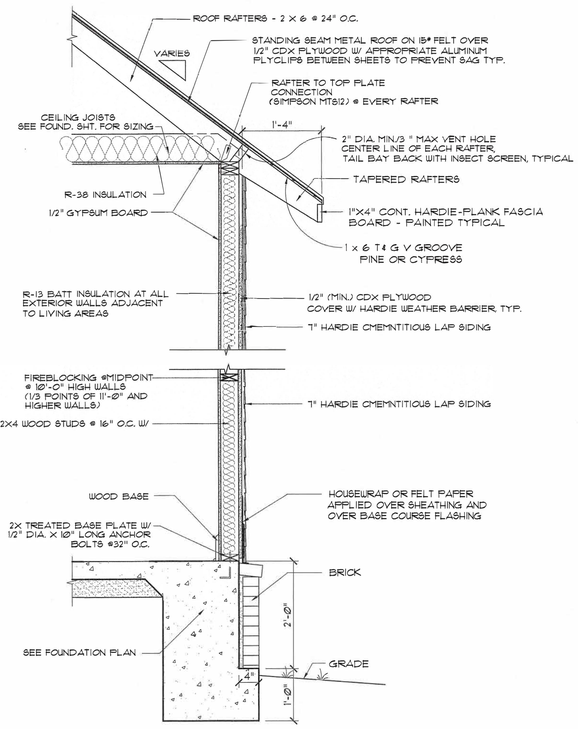
LEFT SIDE ELEVATION

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



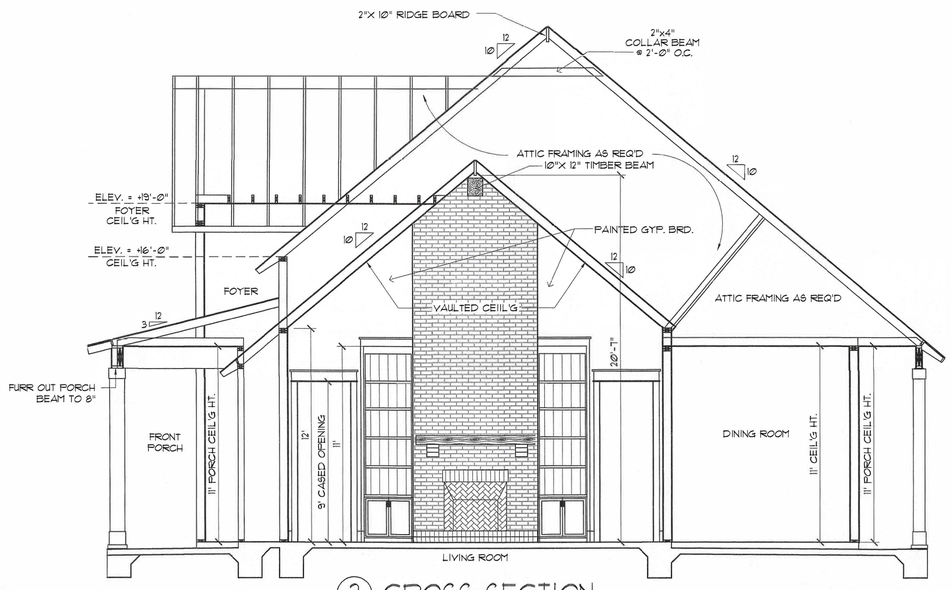
1 GARAGE PORTAL DETAIL

NOT TO SCALE



TYPICAL WALL SECTION @ LAP SIDING

SCALE: 3/4" = 1'-0"



2 CROSS SECTION

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

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Project

RESIDENCE OF

MADDEN HOME DESIGN
8375 Rushing Road
Denham Springs, Louisiana 70726
Phone: (225) 791-2912

Project No.: The Tanglewood-Mirror
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DRAWN BY: Steven Madden
DESIGNED BY: Steven Madden
REVISED:

Sheet Title

ELEVS. & CROSS SECTION

☐ Preliminary Dwg.
☐ Bidding Doc.
☐ Construction Doc.

Sheet: A3.0

CONTRACTORS SHALL ASSUME RESPONSIBILITY FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB. THE DESIGNER SHALL BE NOTIFIED IMMEDIATELY OF ANY DIMENSIONS SET FORTH HEREIN. EVERY EFFORT HAS BEEN MADE TO SPECIFY STRUCTURAL DATA AND DIMENSIONS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD AND SHALL BUILD HOME IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2015.

RESIDENCE OF

Project

MADDEN
HOME DESIGN
8375 Rushing Road
Denham Springs, Louisiana 70726
Phone: (225) 791-2912

REAR PORCH
11' CEILING

MASTER PORCH
11' CEILING

MASTER BEDROOM
CATHEDRAL CEILING
16'-0" X 18'-0"

DINING
11' CEILING
13'-6" X 10'-0"

BEDROOM #3
10' CEILING
13'-6" X 12'-0"

KIDS HALL
10' CEIL'G

WALK-IN CLOSET

POWDER
10' CEIL'G

BATH #2
10' CEILING

WALK-IN CLOSET
10' CEILING

BEDROOM #2
10' CEILING
12'-9" X 14'-0"

GREAT ROOM
VAULTED CEILING
23'-9" X 21'-0"

KITCHEN
11' CEILING
12'-5" X 21'-0"

FOYER
19'-0" CEILING
(EXPOSED WINDOWS ABOVE)

FRONT PORCH
11' CEILING

MASTER CLOSET
10' CEILING

PANTRY
10' CEILING
7'-0" X 4'-6"

MASTER BATH
CATH. CEILING

LAUNDRY
10' CEILING
8'-2" X 9'-1"

MUD ROOM
10' CEILING

OFFICE/FLEX ROOM
10' CEILING
12'-9" X 10'-4"

2-CAR GARAGE
10' CEILING
(9' FROM FIN. FLOOR OF HOUSE)
24'-0" X 41'-0"

STORAGE BELOW

UP TO BONUS ROOM

42" WOOD-BURNING FIREPLACE

STAINED BEADED BOARD CEIL'G

FURR OUT WALL ABOVE @ 11' A.F.F.

10\ 12 PITCH CEIL'G SLOPE

10" X 12" TIMBER RIDGE BEAM

16" X 12" TIMBER BEAM

6" X 12" PINE BEAM W/ DBL 2" X 12" IN ATTIC

TRIPLE LVL BEAM IN ATTIC

8" X 8" FIBERGLASS POSTS

10" X 10" FIBERGLASS POSTS

DBL 2" X 12"

TRIPLE 2" X 12"

2"x6" WALL

12' WALL HT.

10' WALL HT.

10' CEIL'G

8" PINE RIDGE BEAM

4" BRICK LEDGE (Deleted)

8" LEDGE

FARM SINK

QUARTZ ISLAND

12" FLUSH OVERHANG

36" GAS COKTOP W/ VENT HOOD

POT FILLER

OVEN/MWAVE

REF'G.

H2O

DRESSER

SHELVES

ROD/SHELF

DBL ROD/SHELF

COUNTER

BRM. CAB.

UPPER CABS

SINK

DRYER

WASHER

BARN DOOR

BARN DOORS

LOCKERS

JOB-BUILT TILE SHOWER

FREESTAND TUB

KNEE SPACE

RIDGE BEAM

10" CLG FURR DOWN

VENT DRYER UNDER STAIRS

10" TREADS

12" BRICK STEP

MINIMUM 1-3/8" THICK SOLID DOOR OR 20 MINUTE RATED DOOR REQ'D FOR OPENINGS BETWEEN GARAGE & RESIDENCE

18'x8' OH. Garage Door

OLD BRICK

BRICK STEPS

BRICK TO CEIL'G

TRIPLE 2" X 12"

10" X 10" FIBERGLASS POSTS

4" BRICK LEDGE

BRICK STEPS 10'-2"

STAINED BEADED BOARD CEIL'G

42" WOOD BURNING BRICK FIREPLACE

28x2 Twin

38x2 Twin

30

"A" A.I.

"B" A.I.

"C" A.I.

"D" A.I.

"E" A.I.

"F" A.I.

"G" A.I.

"H" A.I.

2"A3.1

2"A3.1

• 4" BRICK SKIRT AROUND ENTIRE HOUSE •

NOTE: FOR GENERAL NOTES, WINDOW & DOOR SCHEDULES, SEE SHEET "A1.1"

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

SQUARE FOOTAGE

LIVING	3085
BONUS ROOM	490
FRONT PORCH	338
OFFICE PORCH	69
REAR PORCH	598
GARAGE/STORAGE	1118
TOTAL LIVING SQ. FT.	3585
TOTAL SQ. FT.	5709

-260 SF (Unfinished) = 2,834 SF

111'-5" OVERALL WIDTH TO STUD

Project No.: The Tanglewood-Mirror
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FLOOR PLAN

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Sheet:
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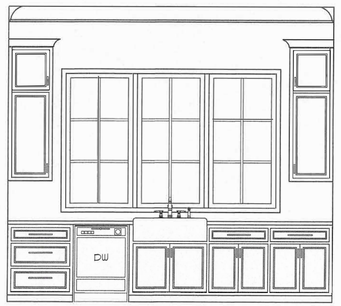
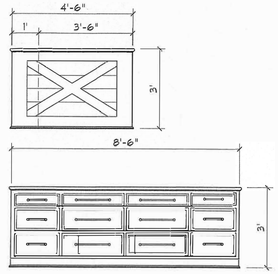
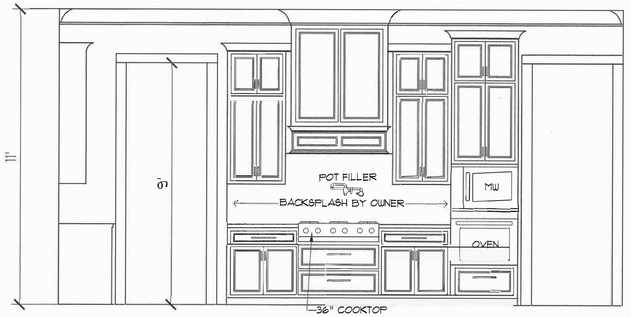


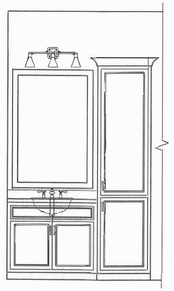
A ELEVATION
SCALE: 3/8" = 1'-0"



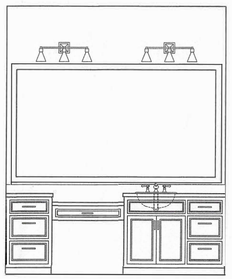
ISLAND ELEVS.
SCALE: 3/8" = 1'-0"



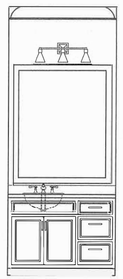
B ELEVATION
SCALE: 3/8" = 1'-0"



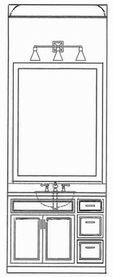
C ELEVATION
SCALE: 3/8" = 1'-0"



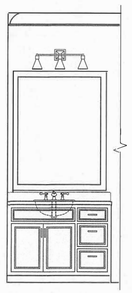
D ELEVATION
SCALE: 3/8" = 1'-0"



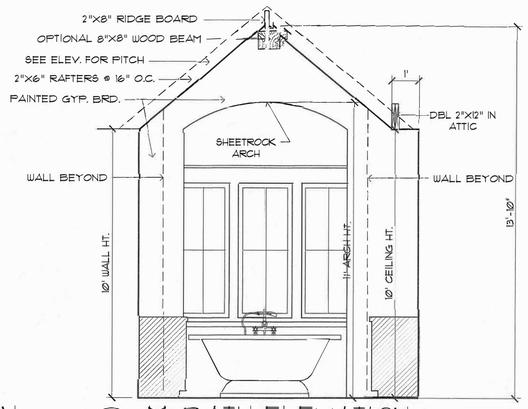
E ELEVATION
SCALE: 3/8" = 1'-0"



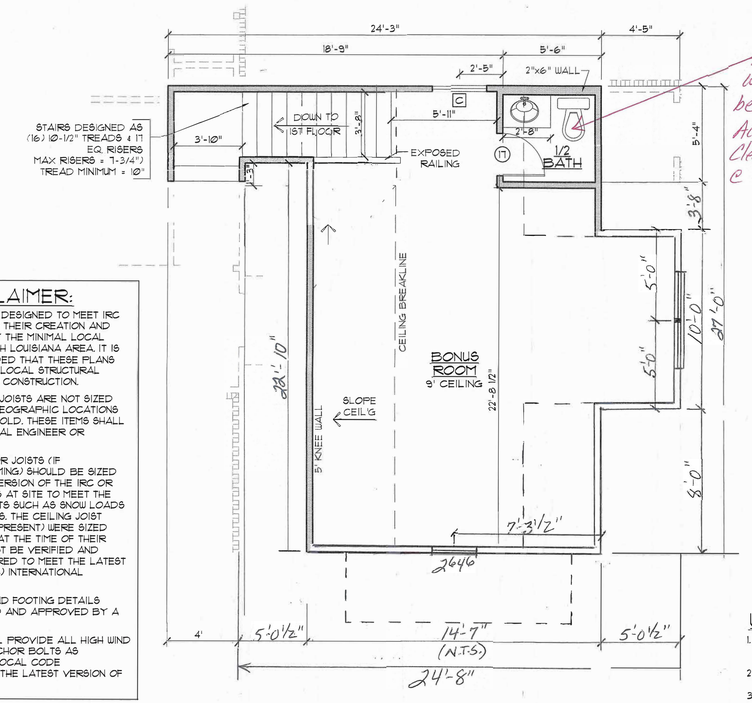
F ELEVATION
SCALE: 3/8" = 1'-0"



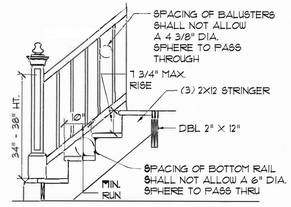
G ELEVATION
SCALE: 3/8" = 1'-0"



H M. BATH ELEVATION
SCALE: 3/8" = 1'-0"



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



STAIR DETAILS
N.T.S.

CODE DISCLAIMER:

1. THESE PLANS WERE DESIGNED TO MEET IRC 2015 AT THE TIME OF THEIR CREATION AND MORE SPECIFICALLY THE MINIMAL LOCAL CODES OF THE SOUTH LOUISIANA AREA. IT IS HIGHLY RECOMMENDED THAT THESE PLANS BE REVIEWED BY A LOCAL STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.
2. BEAMS AND FLOOR JOISTS ARE NOT SIZED DUE TO THE MANY GEOGRAPHIC LOCATIONS THESE PLANS ARE SOLD. THESE ITEMS SHALL BE SIZED BY A LOCAL ENGINEER OR MANUFACTURER.
3. ALL CEILING & FLOOR JOISTS (IF CONVENTIONAL FRAMING) SHOULD BE SIZED USING THE LATEST VERSION OF THE IRC OR APPLICABLE CODES AT SITE TO MEET THE LOCAL REQUIREMENTS SUCH AS SNOW LOADS AND OTHER FACTORS. THE CEILING JOIST SIZES LABELED (IF PRESENT) WERE SIZED USING THE 2015 IRC AT THE TIME OF THEIR CREATION. THEY MUST BE VERIFIED AND MODIFIED AS REQUIRED TO MEET THE LATEST EDITION OF THE (IRC) INTERNATIONAL RESIDENTIAL CODE.
4. ALL FOUNDATION AND FOOTING DETAILS SHALL BE REVIEWED AND APPROVED BY A LOCAL ENGINEER.
5. CONTRACTOR SHALL PROVIDE ALL HIGH WIND STRAPPING AND ANCHOR BOLTS AS REQUIRED BY THE LOCAL CODE REQUIREMENTS AND THE LATEST VERSION OF THE IRC.

GENERAL NOTES:

1. ALL KITCHEN AND UTILITY COUNTERTOPS ARE SHOWN AS 2'-Ø" WIDE UNLESS STATED OTHERWISE.
2. ALL BATHROOM LAVATORY COUNTERTOPS SHOWN AS 1'-10" WIDE.
3. ALL EXTERIOR OVERALL DIMENSIONS ARE FROM EDGE OF FOUNDATION.
4. ALL INTERIOR DIMENSIONS ARE FROM STUD FACE TO STUD FACE.
5. ALL INTERIOR WALL THICKNESS SHOWN AS 4" UNLESS NOTED OTHERWISE.
6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE COMMENCING WORK.
7. BRICK VENEER WALL TIES (MAX 24" O.C. EACH WAY.)
8. PURCHASER OF THIS PLAN ASSUMES LIABILITY FOR ANY MODIFICATIONS MADE TO THE LAYOUT OF THIS PLAN.
9. ALL WOOD FRAMING SHALL BE NO. 2 GRADE - SOUTHERN PINE LUMBER. ALL CEILING JOISTS SPANS ARE BASED ON TABLE R802.4(2) OF THE I.R.C. 2015 AND ARE DESIGNED FOR ATTICS WITH LIMITED STORAGE. (REFER TO FOUNDATION SHEET FOR SPANS)
10. RE: SEC. 308 GLAZING IN HAZARDOUS LOCATIONS & TEMPERED GLASS FOR WINDOWS THAT ARE WITHIN 24" OF THE DOOR IN THE CLOSED POSITION, PROVIDING THE WINDOW IS LESS THAN 60" ABOVE THE FLOOR. (R308 I.R.C. 2015)
11. MASONRY VENEER SHALL BE ANCHORED TO THE SUPPORTING WALL WITH CORROSION-RESISTANT METAL TIES SPACED NOT MORE THAN 24" ON CENTER HORIZONTALLY AND VERTICALLY AND SHALL SUPPORT NOT MORE THAN 2.67 SQ. FEET OF WALL PER SECTION R703.7.4.1
12. VENT HOOD IN KITCHEN MUST VENT TO THE OUTSIDE. MICROWAVE HOODS MUST VENT TO THE OUTSIDE WHERE APPLICABLE.
13. DRYER VENT MUST HAVE MAX LENGTH 25'
14. ATTIC SPACES MUST PROVIDE 1 SQ. FT. VENTILATION PER 150 SQ. FT. OF AREA UNLESS CONDITIONED SPACE. (ATTICS R806)

WIND ZONE NOTES

1. VERIFY WINDOW CODE REQUIREMENTS AT EACH BUILDING LOCATION, AND INSTALL WINDOWS AS PER CODE. REQUIREMENTS WILL VARY FROM DOUBLE INSULATED VINYL TO IMPACT RESISTANT DOUBLE INSULATED VINYL WINDOWS.
2. ALL WINDOWS SHALL COMPLY WITH THE GOVERNING IRC/IBC. WINDOWS SHALL BE SELECTED BASED UPON THE COMPONENT AND CLADDING DESIGN PRESSURES.
3. CONTRACTOR RESPONSIBLE FOR ANCHORAGE OF BOTTOM PLATE AND WALL STUDS TO FOUNDATION IN COMPLIANCE WITH THE GOVERNING EDITION OF IRC/IBC 1609.

HEADER SPANS FOR LOAD BEARING WALLS:

SINGLE STORY:

• 2 PLY 2"X6"	4'-2" MAX
• 2 PLY 2"X8"	5'-4" MAX
• 2 PLY 2"X10"	7'-6" MAX

2 STORY:

• 2 PLY 2"X6"	3'X7" MAX
• 2 PLY 2"X8"	4'X6" MAX
• 2 PLY 2"X10"	6'X2" MAX

- 2 PLY 2X6 HEADERS FOR ALL NON-LOAD BEARING WALLS
- OSB BETWEEN ALL HEADER PLIES
- NO BOXED HEADERS

REFER TO IRC R502.5 (1) AND (2) FOR ADDITIONAL HEADER AND GIRDER SPANS

NOTE:

GENERAL CONTRACTOR TO PROVIDE ADEQUATE ROOF VENTILATION BUILDING SYSTEMS PER IRC CODE (SECTION R806). SYSTEMS TO BE USED TO MEET ROOF VENTALATION REQUIREMENTS ARE AS FOLLOWS: CONTINUOUS RIDGE VENTS, POWER VENTS, BOX VENTS, AND GABLE/DORMER VENTS WHEN APPROVED BY OWNER.

SOFFIT VENTS TO BE USED ONLY IN ACCORDANCE W/ IRC CODE (SECTION R302 AND TABLE R302.1) TO ACCOMMODATE APPROPRIATE FIRE SEPARATION DISTANCES.

GENERAL MATERIALS:

1. EXTERIOR WALLS:
   - -BRICK VENEER
   - -REINFORCED CEMENTITIOUS SIDING
   - -"TYVEK" BUILDING WRAP
   - -1/2" O.S.B. SHEATHING — -2X4 STUDS @ 1'-4" O.C. (UNLESS NOTED)
   - -R-13 BATT INSULATION — -1/2" GYPSUM BOARD INTERIOR
2. INTERIOR WALLS:
   - -2X4 STUDS @ 1'-4" O.C. — -1/2" GYPSUM BOARD ON BOTH SIDES
3. CEILING:
   - -2X JOISTS @ 1'-4" O.C. — -1/2" GYPSUM BOARD
   - -R38 INSULATION
4. ROOF SYSTEM:
   - -30 YEAR FIBERGLASS SHINGLES — -#15FELT
   - -5/8" O.S.B. OR CDX PLYWOOD — -2X6 RAFTERS @ 2'0" O.C.
   - -STANDING SEAM METAL ROOF

NOTE: ALL ROOFING PRODUCTS, MATERIALS AND INSTALLATION, SHALL COMPLY WITH THE REQUIREMENTS UNLESS CHANGED BY GENERAL CONTRACTOR AT OWN DISCRETION.

PROTECTION AGAINST TERMITES:

1. SUBTERRANEAN TERMITE CONTROL. IN AREAS FAVORABLE TO TERMITE DAMAGE METHODS OF PROTECTION SHALL BE BY CHEMICAL SOIL TREATMENT, PRESSURE-TREATED WOOD, NATURALLY TERMITE RESISTANT WOOD OR PHYSICAL BARRIERS (SUCH AS METAL OR PLASTIC TERMITE SHIELDS), OR ANY COMBINATION OF THESE METHODS.
2. CHEMICAL SOIL TREATMENT. THE CONCENTRATION, RATE OF APPLICATION AND TREATMENT METHOD OF THE TERMITICIDE LABEL.
3. PRESSURE-TREATED AND NATURALLY RESISTANT WOOD. HEARTWOOD OF REDWOOD AND EASTERN RED CEDAR SHALL BE CONSIDERED TERMITE RESISTANT. PRESSURE-TREATED WOOD AND NATURALLY TERMITE RESISTANT WOOD SHALL NOT BE USED AS A PHYSICAL BARRIER UNLESS A BARRIER CAN BE INSPECTED FOR ANY TERMITE SHELTER TUBES AROUND THE INSIDE AND OUTSIDE EDGES AND JOINTS OF A BARRIER.
4. FIELD TREATMENT. FIELD CUT ENDS, NOTCHES, AND DRILLED HOLES OF PRESSURE-TREATED WOOD SHALL BE RETREATED IN THE FIELD ACCORDING TO AWPA M4.

IMPORTANT NOTE:

ALL EGRESS OR RESCUE WINDOWS FROM SLEEPING ROOMS MUST HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQUARE FEET. GRADE FLOOR WINDOWS MAY HAVE A MINIMUM NET CLEAR OPENING OF 5 SQUARE FEET. THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 24". THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20". MAXIMUM SILL HEIGHT - 44" AFF.

WINDOW SCHEDULE

MARK □	OPENING SIZE	DESCRIPTION	QTY.
A	2'6" X 4'6"	2/2 LITE VINYL FIXED INSULATED WINDOW (SEE ELEVATIONS)	3
B	2'Ø" X 2'Ø"	4 LITE VINYL FIXED INSULATED WINDOW (SEE ELEVATIONS)	2
C	3'Ø" X 5'Ø"	2/2 LITE VINYL SINGLE HUNG WINDOW INSULATED	3
D	3'Ø" X 6'Ø"	2/2 LITE VINYL SINGLE HUNG WINDOW INSULATED	4
E	2'6" X 5'Ø"	2/2 LITE VINYL SINGLE HUNG WINDOW INSULATED	2
F	2'Ø" X 5'Ø"	4 LITE VINYL FIXED PICTURE W/ TEMPERED GLASS	4
G	2'6" X 5'Ø"	4 LITE VINYL FIXED INSUL. WINDOW W/ 16" TRANSOM (MULLED)	3
H	4'Ø" X 7'Ø"	2/2 LITE VINYL S.H. INSULATED WINDOW W/ 2Ø" TRANSOM	6
J	3'Ø" X 7'Ø"	2/2 LITE VINYL S.H. INSULATED WINDOW W/ 24" TRANSOM	3

DOOR SCHEDULE

MARK ○	SIZE	DESCRIPTION	QTY.
1	DBL 2'6" X 8'Ø"	EXT. 6 LITE 3/4 FRENCH SOLID WOOD DOORS W/ 2Ø" TRANS.	3 PAIR
2	3'Ø" X 8'Ø"	EXTERIOR 6 LITE 3/4 FRENCH SOLID WOOD DOOR	1
3	3'Ø" X 8'Ø"	EXT. 8 LITE FULL FRENCH SOLID WOOD DOOR W/ 2Ø" TRANS.	1
4	DBL 2'6" X 8'Ø"	EXTERIOR 8 LITE FULL FRENCH SOLID WOOD DOORS	1 PAIR
5	10'Ø" X 8'Ø"	INSULATED METAL CARRIAGE STYLE GARAGE DOOR W/ LITES	3
6	3'Ø" X 8'Ø"	EXTERIOR RAISED PANEL METAL DOOR	3
7	3'Ø" X 9'Ø"	CASED OPENING	4
8	3'Ø" X 8'Ø"	INTERIOR RAISED PANEL HOLLOW CORE MASONITE DOOR	3
9	2'8" X 8'Ø"	INTERIOR RAISED PANEL HOLLOW CORE MASONITE DOOR	3
10	2'4" X 8'Ø"	INTERIOR RAISED PANEL HOLLOW CORE MASONITE DOOR	6
11	2'Ø" X 8'Ø"	INTERIOR RAISED PANEL HOLLOW CORE MASONITE DOOR	2
12	2'6" X 8'Ø"	INTERIOR RAISED PANEL HOLLOW CORE MASONITE DOOR	2
13	2'4" X 8'Ø"	INTERIOR RAISED PANEL MASONITE POCKET DOOR	3
14	DBL 1'6" X 8'Ø"	INTERIOR RAISED PANEL HOLLOW CORE MASONITE DOORS	1 PAIR
15	2'Ø" X 8'Ø"	SLIDING BARN DOOR - OWNER SELECT	1
16	DBL 2'4" X 8'Ø"	SLIDING BARN DOORS - OWNER SELECT	1 PAIR
17	2'4" X 6'8"	INTERIOR RAISED PANEL HOLLOW CORE MASONITE DOOR	1
18	2'8" X 6'8"	SOLID CORE ATTIC ACCESS DOOR	2

CONTRACTORS SHALL ASSUME RESPONSIBILITY FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB. THE DESIGNER SHALL BE NOTIFIED OF ANY VARIATION FROM DIMENSIONS SET FORTH HEREIN. EVERY EFFORT HAS BEEN MADE TO SPECIFY STRUCTURAL DATA AND DIMENSIONS. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF AND DIMENSIONS IN THE FIELD AND SHALL BUILD HOME IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2015.

RESIDENCE OF

Project

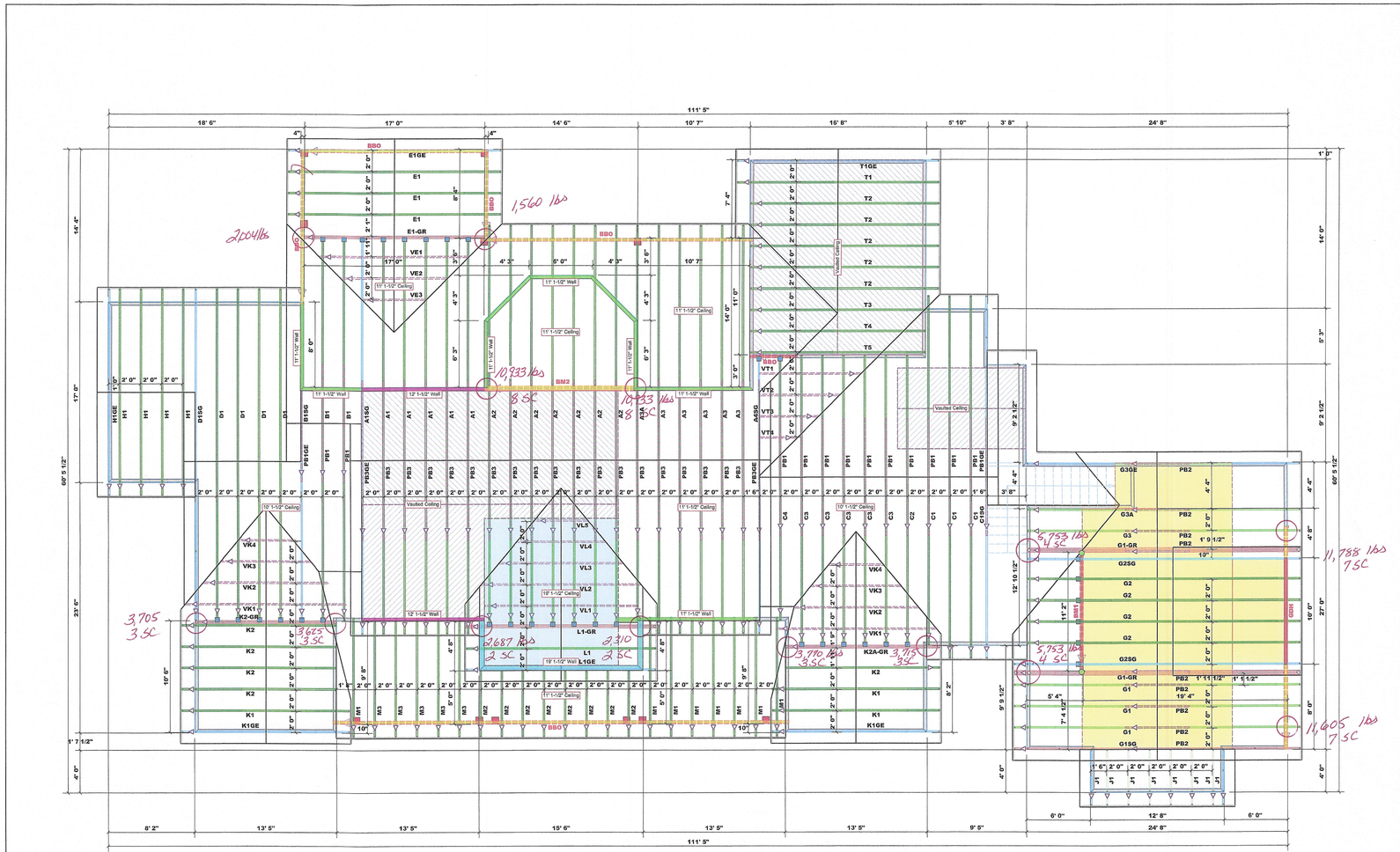
MADDEN HOME DESIGN
8375 Rushing Road
Denham Springs, Louisiana 70726
Phone: (225) 791-2912

Project No.: The Tanglewood-Mirror
DATE: JUNE 15, 2020
DRAWN BY: Steven Madden
DESIGNED BY: Steven Madden
REVISED:

Sheet Title
BONUS ROOM/ INT. ELEVS.

□ Preliminary Dwg.
□ Bidding Doc.
□ Construction Doc.

Sheet: A1.1



Products				
PlotID	Length	Product	Plies	Net Qty
BM1	12' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2
BM2	15' 0"	1-3/4"x 16" LVL Kerto-S	3	3
GDH	21' 0"	1-3/4"x 23-7/8" LVL Kerto-S	2	2

1 Truss Placement Plan
Scale: 1/4"=1'

All Walls Shown Are Considered Load Bearing

Hatch Legend
Dormer Walls
11' 1-1/2" Walls
12' 1-1/2" Walls
19' 1-1/2" Walls
Drop Beam

Connector Information				Nail Information	
Sym	Product	Manuf	Qty	Supported Member	Header	Truss
	HUS26	USP	35	NA	16d/3-1/2"	16d/3-1/2"
	THD410	USP	2	NA	16d/3-1/2"	10d/3"

= Indicates Left End of Truss
(Reference Engineered Truss Drawing)
Do NOT Erect Truss Backwards

comTECH
ROOF & FLOOR TRUSSES & BEAMS
Reilly Road Industrial Park
Fayetteville, N.C. 28309
Phone: (910) 864-8787
Fax: (910) 864-4444

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY.
Trusses noted to be designed and manufactured in accordance with the building design at the specification of the building designer. See individual truss design drawings for all other truss design. This placement drawing, The building designer is responsible for temporary and permanent bracing of the roof and floor system and all other structural elements of the building. Truss support structure including headers, beams, walls, columns and their foundations are not part of this design. For general guidelines regarding bracing, consult BCSI/BCSI-B1 available from the truss plate institute, www.trussplate.com

Existing residence less than or equal to 3000 sq ft. Deemed to comply with the prescriptive code requirements. The contractor shall refer to the applicable building code for all other requirements. Code requirements 1 to eliminate the collapse foundation also and member of wood shall be required to support concentrated load of 300lbs minimum and uniform load 100lbs. A registered design professional shall be retained to design the support system for any modification to structural elements of the above mentioned facilities. A registered design professional shall be retained to design the support system for all townhome that exceed 1000lbs.

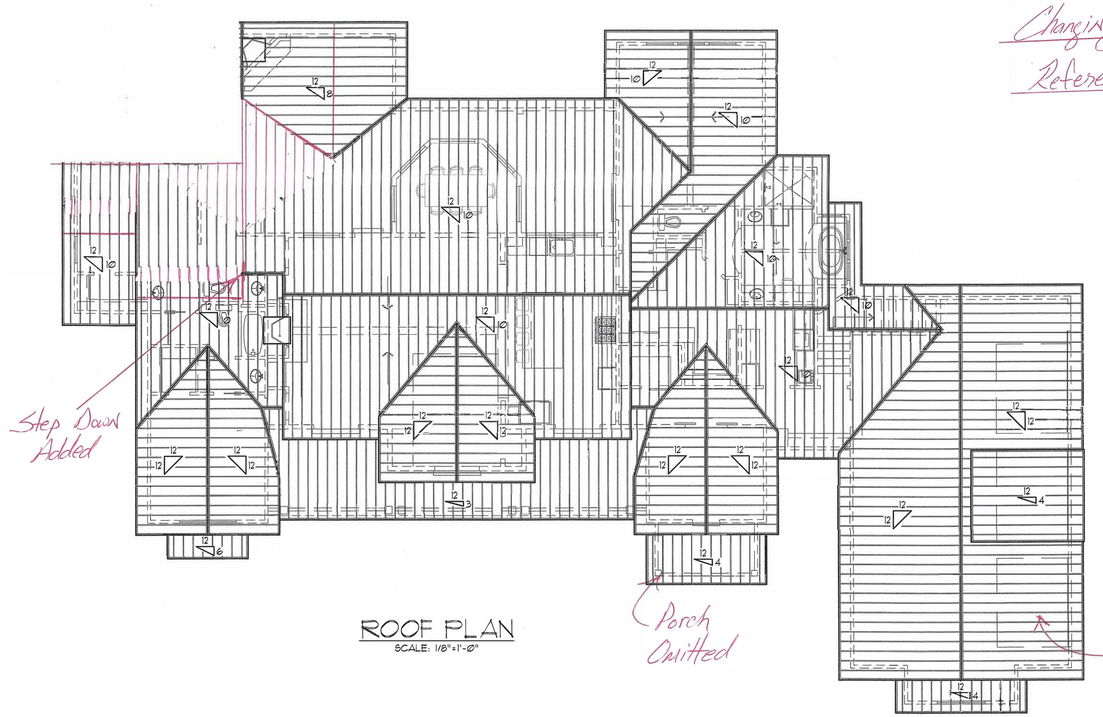
Signature: David Landry
David Landry

BUILDER	Cumberland Homes, Inc
JOB NAME	Holland Residence
PLAN	Holland Residence
SEAL DATE	Seal Date
QUOTE #	
JOB #	JC022-1061

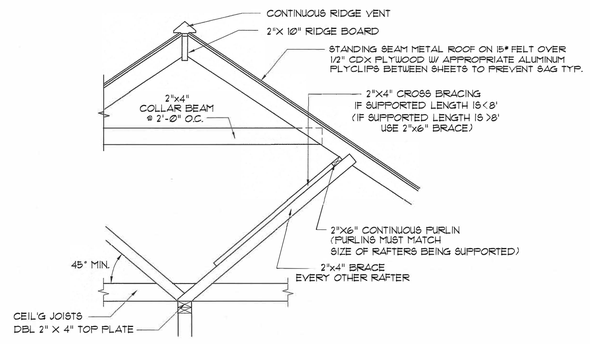
CITY / CO.	Johnston Co. / Johnston
ADDRESS	Site Address
MODEL	Roof
DATE REV.	03/01/22
DRAWN BY	David Landry
SALES REP	Lanny Norris

LOAD CHART FOR 1ACC STUDS
HOLDS 5' 2"(1ACC@24"O.C.) OR 4' 0"(1ACC@16"O.C.) HUMAN OCCUPIED FLOOR LIVE LOAD 40 PSF, DEAD LOAD 10 PSF, L/480 DEFLECTION

Grade/Type	Height (Feet-Inches)	Species & Grade	Repetitive Member	Compression Perpendicular to Grain (Fc-perp)
2100	1 - 7	2550	1 - 7	340
3400	2	3400	2	680
5100	3	7650	3	1020
6800	4	10200	4	1360
8500	5	12750	5	1700
10200	6	15300	6	
11900	7			
13600	8			
15300	9			



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



TYPICAL ROOF BRACING DETAIL
SCALE: 1/2" = 1'

CONTRACTORS SHALL ASSUME RESPONSIBILITY FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB. THE ARCHITECT SHALL BE NOTIFIED AND CONSENT TO ANY VARIATION FROM DIMENSIONS SET FORTH HEREIN. EVERY EFFORT HAS BEEN MADE TO SPECIFY STRUCTURAL DATA AND DIMENSIONS CORRECTLY. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF DIMENSIONS IN THE FIELD AND SHALL BUILD HOME IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2015.

Project
RESIDENCE OF

MADDEN HOME DESIGN
8375 Rushing Road
Denham Springs, Louisiana 70726
Phone: (225) 791-2912

Project No.: The Tanglewood-Mirror
DATE: JUNE 15, 2020
DRAWN BY: Steven Madden
DESIGNED BY: Steven Madden
REVISED:

Sheet Title
ROOF PLAN

☐ Preliminary Dwg.
☐ Bidding Doc.
☐ Construction Doc.

Sheet:
A3.1

4th Bed & Bath Deleted

PRE-WIRE FOR THE FOLLOWING:

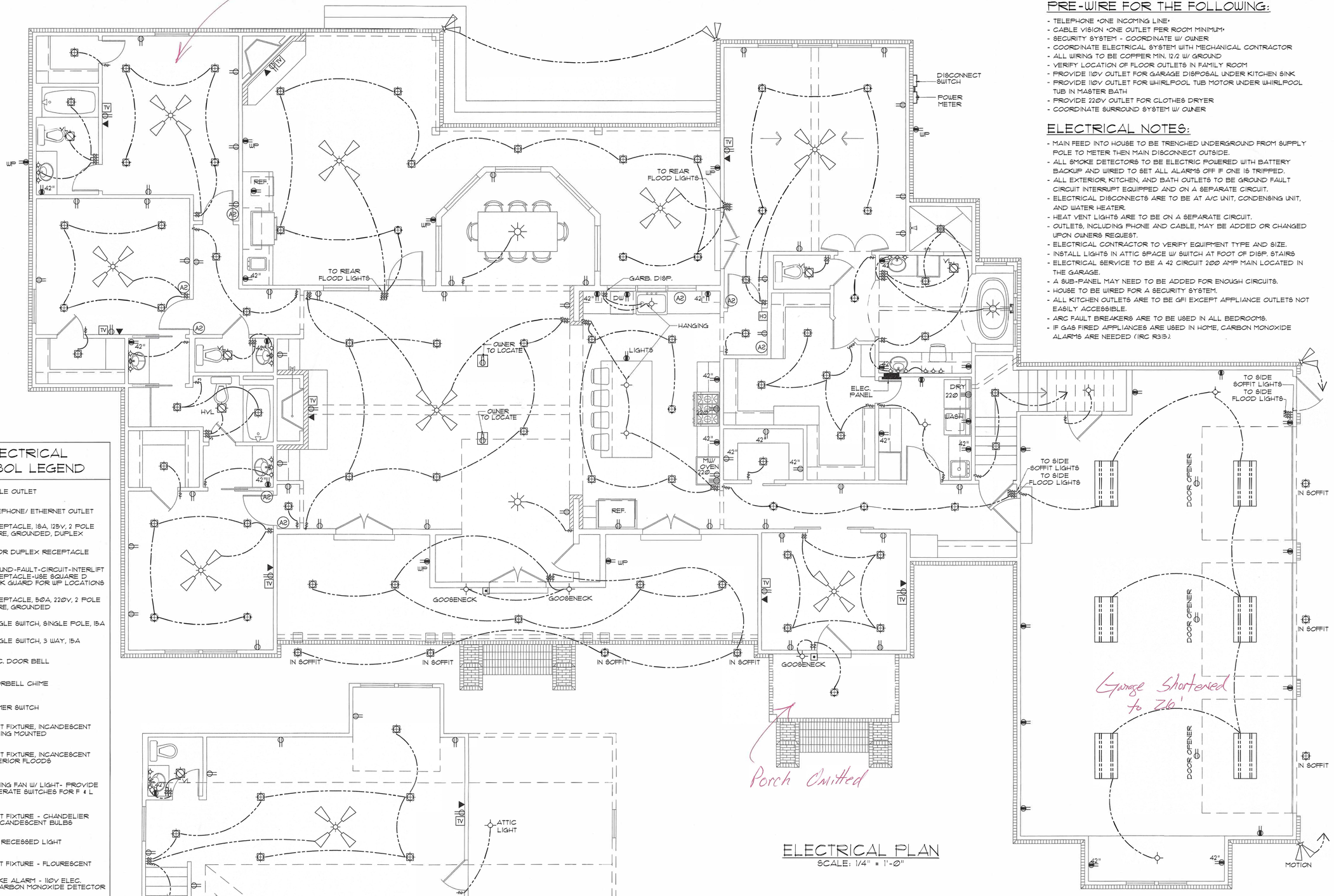
- TELEPHONE •ONE INCOMING LINE•
- CABLE VISION •ONE OUTLET PER ROOM MINIMUM•
- SECURITY SYSTEM - COORDINATE W/ OWNER
- COORDINATE ELECTRICAL SYSTEM WITH MECHANICAL CONTRACTOR
- ALL WIRING TO BE COPPER MIN. 12/2 W/ GROUND
- VERIFY LOCATION OF FLOOR OUTLETS IN FAMILY ROOM
- PROVIDE 110V OUTLET FOR GARAGE DISPOSAL UNDER KITCHEN SINK
- PROVIDE 110V OUTLET FOR WHIRLPOOL TUB MOTOR UNDER WHIRLPOOL TUB IN MASTER BATH
- PROVIDE 220V OUTLET FOR CLOTHES DRYER
- COORDINATE SURROUND SYSTEM W/ OWNER

ELECTRICAL NOTES:

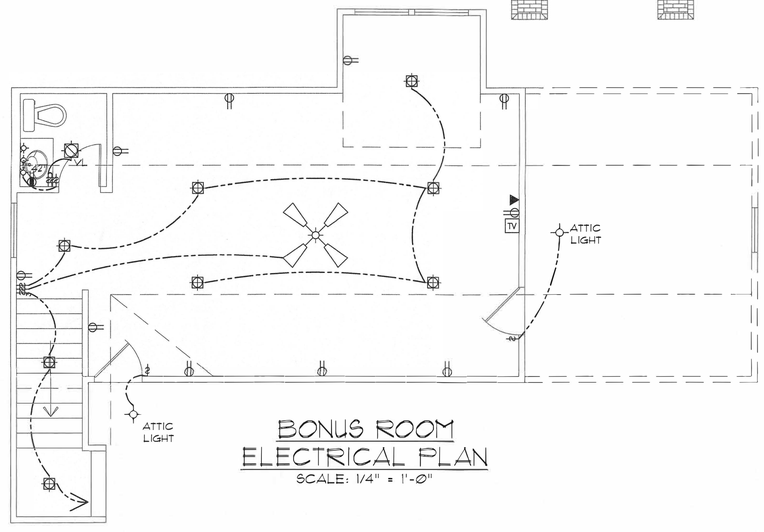
- MAIN FEED INTO HOUSE TO BE TRENCHED UNDERGROUND FROM SUPPLY POLE TO METER THEN MAIN DISCONNECT OUTSIDE.
- ALL SMOKE DETECTORS TO BE ELECTRIC POWERED WITH BATTERY BACKUP AND WIRED TO SET ALL ALARMS OFF IF ONE IS TRIPPED.
- ALL EXTERIOR, KITCHEN, AND BATH OUTLETS TO BE GROUND FAULT CIRCUIT INTERRUPT EQUIPPED AND ON A SEPARATE CIRCUIT.
- ELECTRICAL DISCONNECTS ARE TO BE AT A/C UNIT, CONDENSING UNIT, AND WATER HEATER.
- HEAT VENT LIGHTS ARE TO BE ON A SEPARATE CIRCUIT.
- OUTLETS, INCLUDING PHONE AND CABLE, MAY BE ADDED OR CHANGED UPON OWNERS REQUEST.
- ELECTRICAL CONTRACTOR TO VERIFY EQUIPMENT TYPE AND SIZE.
- INSTALL LIGHTS IN ATTIC SPACE W/ SWITCH AT FOOT OF DISP. STAIRS
- ELECTRICAL SERVICE TO BE A 42 CIRCUIT 200 AMP MAIN LOCATED IN THE GARAGE.
- A SUB-PANEL MAY NEED TO BE ADDED FOR ENOUGH CIRCUITS.
- HOUSE TO BE WIRED FOR A SECURITY SYSTEM.
- ALL KITCHEN OUTLETS ARE TO BE GFI EXCEPT APPLIANCE OUTLETS NOT EASILY ACCESSIBLE.
- ARC FAULT BREAKERS ARE TO BE USED IN ALL BEDROOMS.
- IF GAS FIRED APPLIANCES ARE USED IN HOME, CARBON MONOXIDE ALARMS ARE NEEDED (IRC R315)

ELECTRICAL SYMBOL LEGEND

- CABLE OUTLET
- TELEPHONE/ ETHERNET OUTLET
- RECEPTACLE, 15A, 125V, 2 POLE 3 WIRE, GROUNDED, DUPLEX
- FLOOR DUPLEX RECEPTACLE
- GROUND-FAULT-CIRCUIT-INTERLIFT RECEPTACLE-USE SQUARE D QUICK GUARD FOR WP LOCATIONS
- 220 RECEPTACLE, 50A, 220V, 2 POLE 3 WIRE, GROUNDED
- TOGGLE SWITCH, SINGLE POLE, 15A
- TOOGLE SWITCH, 3 WAY, 15A
- ELEC. DOOR BELL
- CH DOORBELL CHIME
- D DIMMER SWITCH
- LIGHT FIXTURE, INCANDESCENT CEILING MOUNTED
- LIGHT FIXTURE, INCANCESCENT EXTERIOR FLOODS
- CEILING FAN W/ LIGHT- PROVIDE SEPERATE SWITCHES FOR F & L
- LIGHT FIXTURE - CHANDELIER W/ INCANDESCENT BULBS
- LED RECESSED LIGHT
- LIGHT FIXTURE - FLOURESCENT
- SA SMOKE ALARM - 110V ELEC. W/ CARBON MONOXIDE DETECTOR
- VANITY LIGHT
- VL VENT/LIGHT RECESSED CAN
- HVL HEAT/VENT/LIGHT
- VL VENT/LIGHT ONLY
- SCONCE LIGHT
- ELECTRIC LANTERN



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



BONUS ROOM ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

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Project

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REVISED:

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☐ Preliminary Dwg.
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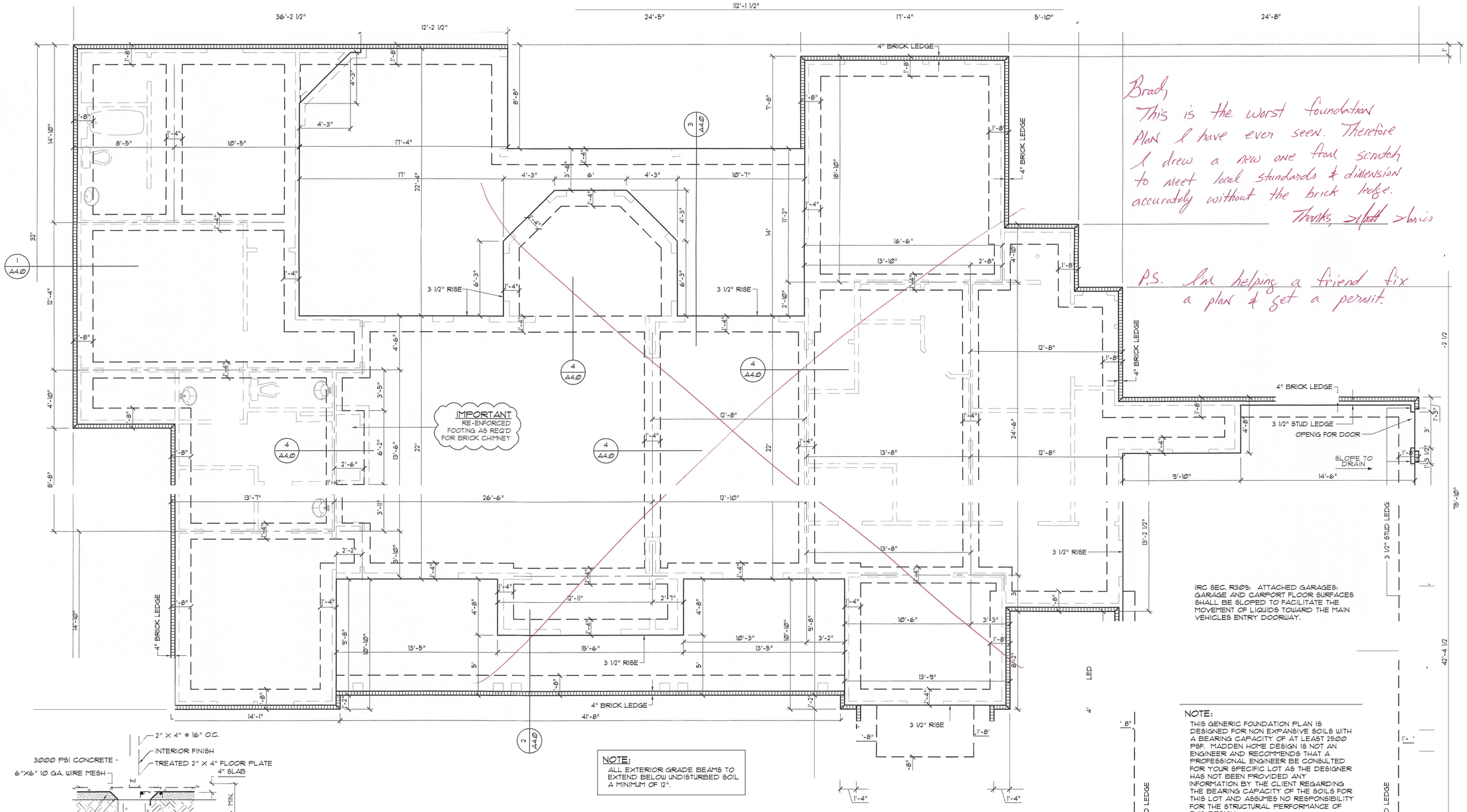
Sheet:
E1.0

CONTRACTORS SHALL ASSUME RESPONSIBILITY FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB. THE DESIGNER SHALL BE NOTIFIED IMMEDIATELY TO ANY VARIATION FROM DIMENSIONS SET FORTH HEREIN. EVERY EFFORT HAS BEEN MADE TO SPECIFY STRUCTURAL DATA AND DIMENSIONS. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF THESE PLANS AND FIELD AND SHALL BUILD HOME IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2015.

Brad,
This is the worst foundation Plan I have ever seen. Therefore I drew a new one from scratch to meet local standards & dimension accurately without the brick ledge.
Thanks, >Scott< >Barnes

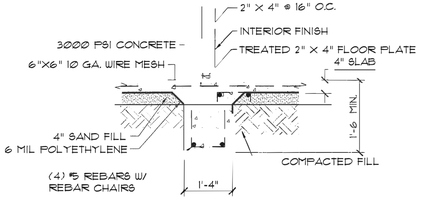
P.S. I'm helping a friend fix a plan & get a permit.



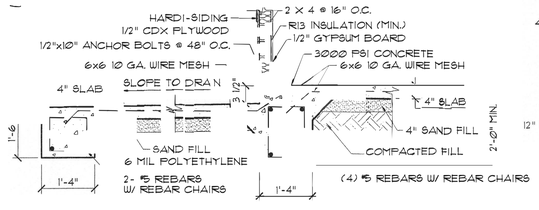
NOTE:
ALL EXTERIOR GRADE BEAMS TO EXTEND BELOW UNDISTURBED SOIL A MINIMUM OF 12".

IRC SEC. R309: ATTACHED GARAGES: GARAGE AND CARPORT FLOOR SURFACES SHALL BE SLOPED TO FACILITATE THE MOVEMENT OF LIQUIDS TOWARD THE MAIN VEHICLES ENTRY DOORWAY.

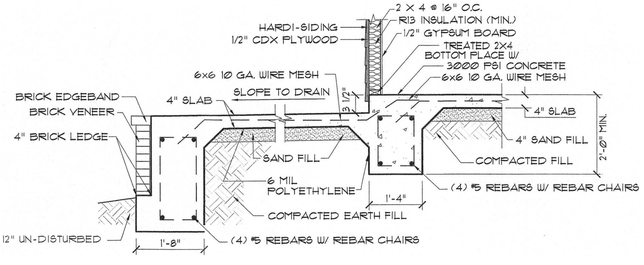
NOTE:
THIS GENERIC FOUNDATION PLAN IS DESIGNED FOR NON EXPANSIVE SOILS WITH A BEARING CAPACITY OF AT LEAST 2500 PSF. MADDEN HOME DESIGN IS NOT AN ENGINEER AND RECOMMENDS THAT A PROFESSIONAL ENGINEER BE CONSULTED FOR YOUR SPECIFIC LOT AS THE DESIGNER HAS NOT BEEN PROVIDED ANY INFORMATION BY THE CLIENT REGARDING THE BEARING CAPACITY OF THE SOILS FOR THIS LOT AND ASSUMES NO RESPONSIBILITY FOR THE STRUCTURAL PERFORMANCE OF THIS DESIGN.



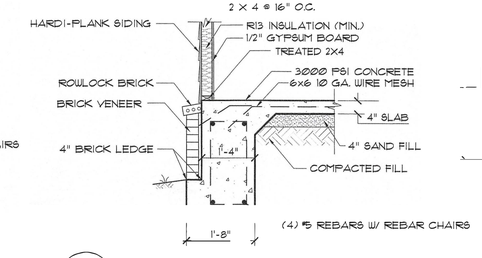
1 4 INTERIOR GRADE BEAM
SCALE: 1/2" = 1'



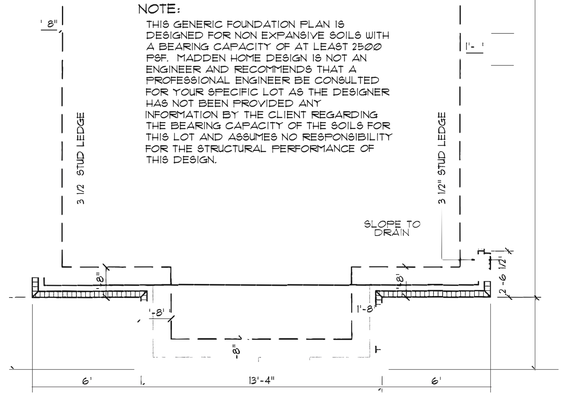
3 COVERED REAR PORCH FOOTING
SCALE: 1/2" = 1'
SIDING EXT. WALL



2 COVERED FRONT PORCH FOOTING
SCALE: 1/2" = 1'
SIDING EXT. WALL



1 BRICK LEDGE BELOW HARDI EXT. FOOTING
SCALE: 1/2" = 1'



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

REDENCE OF

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DESIGNED BY: Steven Madden
REVISED:

Sheet Title
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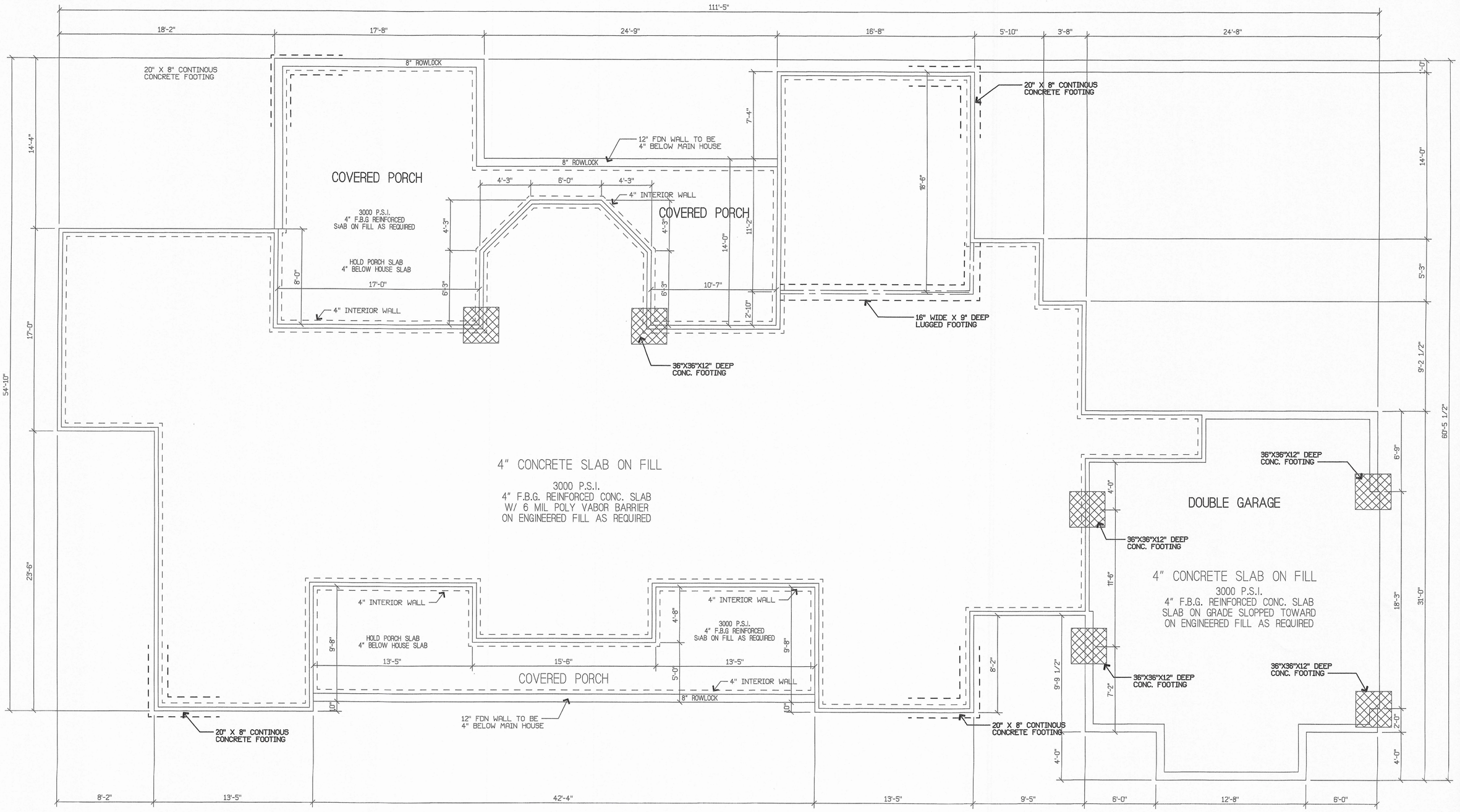
☐ Preliminary Dwg.
☐ Bidding Doc.
☐ Construction Doc.

Sheet:
A4.0

FOUNDATION PLAN

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



FOUNDATION ANCHORAGE

THE WOOD SOLE PLATE ON SLAB OR THE SILL PLATES ON CRAWL SPACE FND. SHALL BE ANCHORED TO THE FOUNDATION WITH ANCHOR BOLTS SPACED A MAXIMUM OF 6 FEET ON CENTER AND NOT MORE THAN 12 INCHES FROM THE ENDS OF EACH PLATE SECTION AND NOT MORE THAN 12" FROM EACH CORNER.

BOLTS SHALL BE AT LEAST 1/2 INCH IN DIAMETER AND SHALL EXTEND A MINIMUM OF 7 INCHES INTO MASONRY OR CONCRETE.

BOLTS CAN BE SUBSTITUTED WITH SIMPSON-MASA STRAPS @ 6' O.C. WHEN SLAB FOUNDATIONS ARE USED.

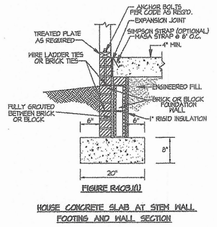


FIGURE R403(1)

HOUSE CONCRETE SLAB AT STEM WALL FOOTING AND WALL SECTION

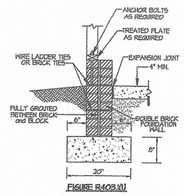
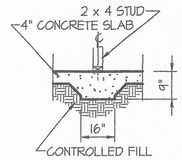


FIGURE R403(1)

GARAGE CONCRETE SLAB ON GRADE FOOTING AND WALL SECTION



LUGGED FOOTING

Reaction Summary of Order

ComTech ROOF & FLOOR TRUSSES & BEAMS
Reilly Road Industrial Park P.O. Box 40408
Fayetteville, N.C. 28309 (910) 864-TRUS

REQ. QUOTE DATE	/ /	ORDER #	J0222-1061
ORDER DATE	02/28/22	QUOTE #	
DELIVERY DATE	/ /	CUSTOMER ACCT #	0000006780
DATE OF INVOICE	/ /	CUSTOMER PO #	
ORDERED BY	Matt Norris	INVOICE #	
COUNTY	Johnston	TERMS	TO BE PRE-PAID
SUPERINTENDANT		SALES REP	Lenny Norris
JOBSITE PHONE #		SALES AREA	David Landry

SOLD TO: Cumberland Homes, Inc.
PO Box 727
Dunn, NC 28335
(910) 890-4321

SHIP TO: Cumberland Homes, Inc
Johnston Co., NC

JOB NAME: Holland Residence **LOT # -** **SUBDIV:-**
MODEL: Roof **TAG:** Holland Residence **JOB CATEGORY:**
DELIVERY INSTRUCTIONS:
SPECIAL INSTRUCTIONS:
PLAN SEAL DATE:

BUILDING DEPARTMENT
Roof Order

OVERHANG INFO		HEEL HEIGHT	00-06-08	REQ. LAYOUTS	REQ. ENGINEERING
END CUT	RETURN			NONE	NONE
		GABLE STUDS	24 IN. OC		

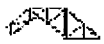
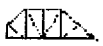
	BY	DATE
QUOTE	DTL	02/28/22
LAYOUT	DTL	03/01/22
CUTTING	DTL	02/28/22

ROOF TRUSSES

LOADING INFORMATION

TCLL-TCDL-BCLL-BCDL	STRESS INCR.
20.0,10.0,0.0,10.0	1.15

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY PLY	PITCH TOP	PITCH BOT	TYPE ID	BASE O/A	LUMBER TOP	LUMBER BOT	OVERHANG LEFT	OVERHANG RIGHT	REACTIONS
	5	10.00	9.00	PIGGYBACK A1	35-11-00 35-11-00	2 X 6	2 X 6	01-03-00		Joint 9 278.8 lbs. -291.0 lbs. Joint 13 2077.7 lbs. -240.7 lbs. Joint 17 732.9 lbs. -130.8 lbs.
	1	10.00	9.00	GABLE A1SG	35-11-00 35-11-00	2 X 6	2 X 6	01-03-00		Joint 15 336.2 lbs. -428.0 lbs. Joint 19 2115.8 lbs. -522.3 lbs. Joint 27 718.3 lbs. -268.7 lbs.
	7	10.00	9.00	PIGGYBACK A2	36-04-00 36-04-00	2 X 6	2 X 6		01-03-00	Joint 10 154.2 lbs. -616.3 lbs. Joint 15 2977.8 lbs. -277.2 lbs. Joint 20 523.7 lbs. -86.1 lbs.
	5	10.00	0.00	PIGGYBACK A3	35-11-00 35-11-00	2 X 6	2 X 6	01-03-00	01-03-00	Joint 9 855.2 lbs. -173.4 lbs. Joint 14 1268.9 lbs. -92.2 lbs. Joint 18 1186.3 lbs. -45.0 lbs.
	1	10.00	0.00	PIGGYBACK A3A	35-11-00 35-11-00	2 X 6	2 X 6		01-03-00	Joint 8 857.3 lbs. -171.7 lbs. Joint 13 1268.2 lbs. -91.2 lbs. Joint 17 1118.0 lbs. -30.5 lbs.
	1	10.00	0.00	PIGGYBACK A4SG	24-08-00 24-08-00	2 X 6	2 X 6	01-03-00		Joint 8 1160.9 lbs. -94.8 lbs. Joint 12 1215.5 lbs. 16.6 lbs.
	2	10.00	0.00	PIGGYBACK B1	35-11-00 35-11-00	2 X 6	2 X 6			Joint 1 934.1 lbs. -71.2 lbs. Joint 10 539.6 lbs. -202.5 lbs. Joint 12 1763.4 lbs. -206.2 lbs.
	1	10.00	0.00	GABLE B1SG	35-11-00 35-11-00	2 X 6	2 X 6			Joint 1 924.9 lbs. -191.4 lbs. Joint 13 545.8 lbs. -276.1 lbs. Joint 17 1655.6 lbs. -378.9 lbs.
	3	10.00	10.00	PIGGYBACK C1	31-07-00 31-07-00	2 X 6	2 X 6		01-03-00	Joint 1 1262.1 lbs. -33.2 lbs. Joint 7 1331.5 lbs. -49.0 lbs.
	1	10.00	10.00	GABLE C1SG	31-07-00 31-07-00	2 X 6	2 X 6		01-03-00	Joint 1 1262.1 lbs. -187.5 lbs. Joint 11 1331.5 lbs. -219.6 lbs.

Reaction Summary of Order

ComTech ROOF & FLOOR TRUSSES & BEAMS
Reilly Road Industrial Park P.O. Box 40408
Fayetteville, N.C. 28309 (910) 864-TRUS

REQ. QUOTE DATE	/ /	ORDER #	J0222-1061
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COUNTY	Johnston	TERMS	TO BE PRE-PAID
SUPERINTENDANT		SALES REP	Lenny Norris
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REQ. LAYOUTS	REQ. ENGINEERING
NONE	NONE

	BY	DATE
QUOTE	DTL	02/28/22
LAYOUT	DTL	03/01/22
CUTTING	DTL	02/28/22

ROOF TRUSSES

LOADING INFORMATION

TCLL-TCDL-BCLL-BCDL	STRESS INCR.
20.0,10.0,0.0,10.0	1.15

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY / PLY	PITCH TOP	PITCH BOT	TYPE ID	BASE O/A	LUMBER TOP	LUMBER BOT	OVERHANG LEFT	OVERHANG RIGHT	REACTIONS
	1	10.00	10.00	PIGGYBACK C2	27-03-08 27-03-08	2 X 6	2 X 6			Joint 1 1082.5 lbs. -27.6 lbs. Joint 6 1088.1 lbs. -10.1 lbs.
	5	10.00	0.00	PIGGYBACK C3	27-03-08 27-03-08	2 X 6	2 X 6			Joint 1 1082.5 lbs. -27.3 lbs. Joint 7 1103.8 lbs. -8.6 lbs.
	1	10.00	0.00	PIGGYBACK C4	24-08-00 24-08-00	2 X 6	2 X 6			Joint 2 256.2 lbs. -107.5 lbs. Joint 7 997.5 lbs. -2.5 lbs. Joint 11 963.8 lbs. -11.0 lbs.
	4	10.00	0.00	COMMON D1	29-11-00 29-11-00	2 X 6	2 X 6		01-03-00	Joint 1 1414.9 lbs. -49.0 lbs. Joint 9 1479.3 lbs. -64.9 lbs.
	1	10.00	0.00	GABLE D1SG	29-11-00 29-11-00	2 X 6	2 X 6		01-03-00	Joint 1 413.3 lbs. -37.2 lbs. Joint 15 1033.3 lbs. -122.3 lbs. Joint 19 378.5 lbs. 105.5 lbs. Joint 20 327.1 lbs. -353.9 lbs. Joint 21 293.0 lbs. -99.8 lbs.
	3	10.00	0.00	COMMON E1	17-07-00 17-07-00	2 X 6	2 X 6	01-03-00	01-03-00	Joint 2 769.6 lbs. -94.1 lbs. Joint 6 769.6 lbs. -94.1 lbs.
	1 2 Ply	10.00	0.00	COMMON E1-GR	17-07-00 17-07-00	2 X 6	2 X 6	01-03-00	01-03-00	Joint 2 2003.8 lbs. -1199.8 lbs. Joint 6 1657.0 lbs. -1283.2 lbs.
	1	10.00	0.00	GABLE E1GE	17-07-00 17-07-00	2 X 6	2 X 6	01-03-00	01-03-00	Joint 2 769.6 lbs. -43.1 lbs. Joint 10 769.6 lbs. -43.1 lbs.
	3	12.00	0.00	ATTIC G1	24-07-00 24-07-00	2 X 6	2 X 10	01-03-00	01-03-00	Joint 11 1712.3 lbs. 215.9 lbs. Joint 15 1712.3 lbs. 215.9 lbs.
	2 3 Ply	12.00	0.00	ATTIC G1-GR	24-07-00 24-07-00	2 X	2 X 10	01-03-00	01-03-00	Joint 11 5991.1 lbs. 721.1 lbs. Joint 15 10152.1 lbs. 148.1 lbs.

Reaction Summary of Order

ComTech ROOF & FLOOR TRUSSES & BEAMS
Reilly Road Industrial Park P.O. Box 40408
Fayetteville, N.C. 28309 (910) 864-TRUS

REQ. QUOTE DATE	/ /	ORDER #	J0222-1061
ORDER DATE	02/28/22	QUOTE #	
DELIVERY DATE	/ /	CUSTOMER ACCT #	0000006780
DATE OF INVOICE	/ /	CUSTOMER PO #	
ORDERED BY	Matt Norris	INVOICE #	
COUNTY	Johnston	TERMS	TO BE PRE-PAID
SUPERINTENDANT		SALES REP	Lenny Norris
JOBSITE PHONE #		SALES AREA	David Landry

SOLD TO
Cumberland Homes, Inc.
PO Box 727
Dunn, NC 28335
(910) 890-4321

SHIP TO
Cumberland Homes, Inc
Johnston Co., NC

JOB NAME: Holland Residence **LOT # -** **SUBDIV:-**
MODEL: Roof **TAG:** Holland Residence **JOB CATEGORY:**
DELIVERY INSTRUCTIONS:
SPECIAL INSTRUCTIONS:
PLAN SEAL DATE:

BUILDING DEPARTMENT
Roof Order

OVERHANG INFO		HEEL HEIGHT	00-06-08
END CUT	RETURN		
		GABLE STUDS	24 IN. OC

REQ. LAYOUTS	REQ. ENGINEERING
NONE	NONE

	BY	DATE
QUOTE	DTL	02/28/22
LAYOUT	DTL	03/01/22
CUTTING	DTL	02/28/22

ROOF TRUSSES

LOADING INFORMATION

TCLL-TCDL-BCLL-BCDL	STRESS INCR.
20.0,10.0,0.0,10.0	1.15

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY PLY	PITCH TOP	PITCH BOT	TYPE ID	BASE O/A	LUMBER TOP	LUMBER BOT	OVERHANG LEFT	OVERHANG RIGHT	REACTIONS
	1	12.00	0.00	GABLE G1SG	24-07-00 24-07-00	2 X 6	2 X 10	01-03-00	01-03-00	Joint 20 1998.9 lbs. -13.3 lbs. Joint 26 1986.3 lbs. -8.9 lbs.
	4	12.00	0.00	ROOF G2	24-07-00 24-07-00	2 X 8	2 X 6		01-03-00	Joint 8 803.0 lbs. -95.7 lbs. Joint 14 1369.8 lbs. -530.6 lbs. Joint 15 432.6 lbs. -375.1 lbs.
	2	12.00	0.00	GABLE G2SG	24-07-00 24-07-00	2 X 8	2 X 6		01-03-00	Joint 1 183.7 lbs. -33.1 lbs. Joint 3 183.7 lbs. -33.1 lbs. Joint 12 803.2 lbs. -218.2 lbs. Joint 20 1434.1 lbs. -918.2 lbs. Joint 21 649.0 lbs. -473.6 lbs.
	1	12.00	0.00	ATTIC G3	24-07-00 24-07-00	2 X 6	2 X 10		01-03-00	Joint 10 1714.1 lbs. 220.8 lbs. Joint 14 1643.3 lbs. 233.2 lbs.
	1	12.00	0.00	ATTIC G3A	24-07-00 24-07-00	2 X 6	2 X 10		01-03-00	Joint 10 2571.2 lbs. 326.4 lbs. Joint 14 2464.9 lbs. 347.6 lbs.
	1	12.00	0.00	GABLE G3GE	24-07-00 24-07-00	2 X 6	2 X 10		01-03-00	Joint 19 1714.1 lbs. 87.8 lbs. Joint 25 1643.3 lbs. 119.2 lbs.
	4	10.00	0.00	COMMON H1	16-11-00 16-11-00	2 X 6	2 X 6	01-03-00	01-03-00	Joint 2 742.9 lbs. -41.9 lbs. Joint 6 742.9 lbs. -41.9 lbs.
	1	10.00	0.00	GABLE H1GE	16-11-00 16-11-00	2 X 6	2 X 6	01-03-00	01-03-00	Joint 2 198.5 lbs. -68.6 lbs. Joint 12 162.1 lbs. -21.2 lbs. Joint 14 175.4 lbs. -175.0 lbs. Joint 15 183.1 lbs. -107.7 lbs. Joint 16 183.4 lbs. -87.3 lbs.
	8	4.00	0.00	JACK-CLOSED J1	03-10-08 03-10-08	2 X 4	2 X 6	01-03-00		Joint 2 244.9 lbs. -67.6 lbs. Joint 4 128.9 lbs. -20.2 lbs.
	3	12.00	0.00	COMMON K1	13-04-00 13-04-00	2 X 6	2 X 6	01-03-00	01-03-00	Joint 6 595.6 lbs. -30.4 lbs. Joint 8 595.6 lbs. -30.4 lbs.

Reaction Summary of Order

ComTech ROOF & FLOOR TRUSSES & BEAMS
Reilly Road Industrial Park P.O. Box 40408
Fayetteville, N.C. 28309 (910) 864-TRUS

REQ. QUOTE DATE	/ /	ORDER #	J0222-1061
ORDER DATE	02/28/22	QUOTE #	
DELIVERY DATE	/ /	CUSTOMER ACCT #	0000006780
DATE OF INVOICE	/ /	CUSTOMER PO #	
ORDERED BY	Matt Norris	INVOICE #	
COUNTY	Johnston	TERMS	TO BE PRE-PAID
SUPERINTENDANT		SALES REP	Lenny Norris
JOBSITE PHONE #		SALES AREA	David Landry

SOLD TO
Cumberland Homes, Inc.
PO Box 727
Dunn, NC 28335
(910) 890-4321

SHIP TO
Cumberland Homes, Inc
Johnston Co., NC

JOB NAME: Holland Residence **LOT # -** **SUBDIV:-**
MODEL: Roof **TAG:** Holland Residence **JOB CATEGORY:**
DELIVERY INSTRUCTIONS:
SPECIAL INSTRUCTIONS:
PLAN SEAL DATE:

BUILDING DEPARTMENT
Roof Order

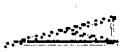
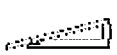
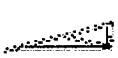
OVERHANG INFO		HEEL HEIGHT	00-06-08	REQ. LAYOUTS	REQ. ENGINEERING		BY	DATE
END CUT	RETURN			NONE	NONE	QUOTE	DTL	02/28/22
		GABLE STUDS	24 IN. OC			LAYOUT	DTL	03/01/22
						CUTTING	DTL	02/28/22

ROOF TRUSSES

LOADING INFORMATION

TCLL-TCDL-BCLL-BCDL	STRESS INCR.
20.0,10.0,0.0,10.0	1.15

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY PLY	PITCH TOP	PITCH BOT	TYPE ID	BASE O/A	LUMBER TOP	LUMBER BOT	OVERHANG LEFT	OVERHANG RIGHT	REACTIONS
	2	12.00	0.00	GABLE K1GE	13-04-00 13-04-00	2 X 6	2 X 6	01-03-00	01-03-00	Joint 10 338.1 lbs. -159.9 lbs. Joint 11 365.9 lbs. -379.9 lbs. Joint 12 188.7 lbs. -109.1 lbs. Joint 13 182.7 lbs. 44.4 lbs. Joint 14 191.4 lbs. -109.4 lbs.
	5	12.00	0.00	COMMON K2	13-04-00 13-04-00	2 X 6	2 X 6	01-03-00		Joint 5 510.8 lbs. -31.3 lbs. Joint 7 599.8 lbs. -24.8 lbs.
	1 2 Ply	12.00	0.00	COMMON K2-GR	13-04-00 13-04-00	2 X 6	2 X 8			Joint 4 3994.7 lbs. -358.4 lbs. Joint 6 4109.6 lbs. -242.2 lbs.
	1 2 Ply	12.00	0.00	COMMON K2A-GR	13-04-00 13-04-00	2 X 6	2 X 6		01-03-00	Joint 5 3715.0 lbs. -140.4 lbs. Joint 7 3770.5 lbs. -152.0 lbs.
	1	12.00	0.00	COMMON L1	15-05-00 15-05-00	2 X 6	2 X 6	01-03-00	01-03-00	Joint 2 781.9 lbs. -36.9 lbs. Joint 4 781.9 lbs. -36.9 lbs.
	1 2 Ply	12.00	0.00	COMMON L1-GR	15-05-00 15-05-00	2 X 6	2 X 6	01-03-00	01-03-00	Joint 2 2687.3 lbs. -398.0 lbs. Joint 4 2309.8 lbs. -331.8 lbs.
	1	12.00	0.00	GABLE L1GE	15-05-00 15-05-00	2 X 6	2 X 6	01-03-00	01-03-00	Joint 2 210.0 lbs. -72.8 lbs. Joint 10 182.9 lbs. -35.6 lbs. Joint 12 164.7 lbs. -124.6 lbs. Joint 13 199.0 lbs. -155.7 lbs. Joint 14 188.2 lbs. -114.7 lbs.
	8	3.00	0.00	MONOPITCH M1	09-08-00 09-08-00	2 X 4	2 X 6	01-03-00	00-03-08	Joint 2 475.5 lbs. -192.1 lbs. Joint 6 362.4 lbs. -151.9 lbs.
	8	3.00	0.00	MONOPITCH M2	05-00-00 05-00-00	2 X 4	2 X 6	01-03-00		Joint 2 280.5 lbs. -122.9 lbs. Joint 4 173.6 lbs. -70.3 lbs.
	5	3.00	0.00	MONOPITCH M3	09-11-08 09-11-08	2 X 4	2 X 6	01-03-00		Joint 2 475.2 lbs. -84.5 lbs. Joint 8 351.9 lbs. -42.9 lbs.

Reaction Summary of Order

ComTech ROOF & FLOOR TRUSSES & BEAMS
Reilly Road Industrial Park P.O. Box 40408
Fayetteville, N.C. 28309 (910) 864-TRUS

REQ. QUOTE DATE	/ /	ORDER #	J0222-1061
ORDER DATE	02/28/22	QUOTE #	
DELIVERY DATE	/ /	CUSTOMER ACCT #	0000006780
DATE OF INVOICE	/ /	CUSTOMER PO #	
ORDERED BY	Matt Norris	INVOICE #	
COUNTY	Johnston	TERMS	TO BE PRE-PAID
SUPERINTENDANT		SALES REP	Lenny Norris
JOBSITE PHONE #		SALES AREA	David Landry

SOLD TO
Cumberland Homes, Inc.
PO Box 727
Dunn, NC 28335
(910) 890-4321

SHIP TO
Cumberland Homes, Inc
Johnston Co., NC

JOB NAME: Holland Residence LOT # - SUBDIV:-
MODEL: Roof TAG: Holland Residence JOB CATEGORY:
DELIVERY INSTRUCTIONS:
SPECIAL INSTRUCTIONS:
PLAN SEAL DATE:

BUILDING DEPARTMENT
Roof Order

OVERHANG INFO		HEEL HEIGHT	00-06-08
END CUT	RETURN		
		GABLE STUDS	24 IN. OC

REQ. LAYOUTS	REQ. ENGINEERING
NONE	NONE

	BY	DATE
QUOTE	DTL	02/28/22
LAYOUT	DTL	03/01/22
CUTTING	DTL	02/28/22

ROOF TRUSSES

LOADING INFORMATION

TCLL-TCDL-BCLL-BCDL	STRESS INCR.
20.0,10.0,0.0,10.0	1.15

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY	PITCH		TYPE ID	BASE O/A	LUMBER		OVERHANG		REACTIONS				
	PLY	TOP	BOT			TOP	BOT	LEFT	RIGHT					
	12	10.00	0.00	PIGGYBACK PB1	09-08-09 09-08-09	2 X 4	2 X 4			Joint 2 232.1 lbs. -27.4 lbs.	Joint 4 232.1 lbs. -37.1 lbs.	Joint 6 362.7 lbs. 9.6 lbs.		
	2	10.00	0.00	GABLE PB1GE	09-08-09 09-08-09	2 X 4	2 X 4			Joint 2 88.8 lbs. -44.4 lbs.	Joint 8 72.5 lbs. -19.6 lbs.	Joint 10 144.4 lbs. -93.1 lbs.	Joint 11 199.0 lbs. -120.6 lbs.	Joint 12 133.0 lbs. 29.4 lbs.
	9	12.00	0.00	PIGGYBACK PB2	04-10-06 04-10-06	2 X 4	2 X 4			Joint 2 141.9 lbs. -47.6 lbs.	Joint 4 141.9 lbs. -54.1 lbs.	Joint 6 151.0 lbs. 8.8 lbs.		
	18	10.00	0.00	PIGGYBACK PB3	13-08-09 13-08-09	2 X 4	2 X 4			Joint 2 316.3 lbs. -35.9 lbs.	Joint 4 316.3 lbs. -49.2 lbs.	Joint 6 684.7 lbs. 12.5 lbs.		
	2	10.00	0.00	GABLE PB3GE	13-08-09 13-08-09	2 X 4	2 X 4			Joint 2 123.4 lbs. -68.9 lbs.	Joint 10 98.6 lbs. -32.3 lbs.	Joint 12 148.5 lbs. -96.6 lbs.	Joint 13 187.9 lbs. -115.8 lbs.	Joint 14 189.8 lbs. -112.4 lbs.
	1	10.00	7.00	SCISSORS T1	16-07-00 16-07-00	2 X 6	2 X 6	01-03-00	01-03-00	Joint 2 725.0 lbs. -42.9 lbs.	Joint 6 725.0 lbs. -42.9 lbs.			
	1	10.00	7.00	GABLE T1GE	16-07-00 16-07-00	2 X 6	2 X 6	01-03-00	01-03-00	Joint 2 286.9 lbs. -193.3 lbs.	Joint 12 186.3 lbs. -41.7 lbs.	Joint 14 198.9 lbs. -177.4 lbs.	Joint 15 180.5 lbs. -106.4 lbs.	Joint 16 190.5 lbs. -98.6 lbs.
	5	10.00	7.00	SCISSORS T2	16-07-00 16-07-00	2 X 6	2 X 6		01-03-00	Joint 1 641.5 lbs. -23.6 lbs.	Joint 5 728.3 lbs. -43.0 lbs.			
	1	10.00	7.00	SCISSORS T3	16-07-00 16-07-00	2 X 6	2 X 6			Joint 1 644.9 lbs. -23.7 lbs.	Joint 5 644.9 lbs. -23.7 lbs.			
	1	**.**	7.00	HALF HIP T4	16-07-00 16-07-00	2 X 6	2 X 6			Joint 5 639.9 lbs. 24.4 lbs.	Joint 7 661.4 lbs. -107.6 lbs.			

Reaction Summary of Order

ComTech ROOF & FLOOR TRUSSES & BEAMS
Reilly Road Industrial Park P.O. Box 40408
Fayetteville, N.C. 28309 (910) 864-TRUS

REQ. QUOTE DATE	/ /	ORDER #	J0222-1061
ORDER DATE	02/28/22	QUOTE #	
DELIVERY DATE	/ /	CUSTOMER ACCT #	0000006780
DATE OF INVOICE	/ /	CUSTOMER PO #	
ORDERED BY	Matt Norris	INVOICE #	
COUNTY	Johnston	TERMS	TO BE PRE-PAID
SUPERINTENDANT		SALES REP	Lenny Norris
JOBSITE PHONE #		SALES AREA	David Landry

SOLD TO: Cumberland Homes, Inc.
PO Box 727
Dunn, NC 28335
(910) 890-4321

SHIP TO: Cumberland Homes, Inc
Johnston Co., NC

JOB NAME: Holland Residence **LOT # -** **SUBDIV:-**
MODEL: Roof **TAG:** Holland Residence **JOB CATEGORY:**
DELIVERY INSTRUCTIONS:
SPECIAL INSTRUCTIONS:
PLAN SEAL DATE:

BUILDING DEPARTMENT
Roof Order

OVERHANG INFO		HEEL HEIGHT	00-06-08	REQ. LAYOUTS	REQ. ENGINEERING
END CUT	RETURN			NONE	NONE
		GABLE STUDS	24 IN. OC		

	BY	DATE
QUOTE	DTL	02/28/22
LAYOUT	DTL	03/01/22
CUTTING	DTL	02/28/22

ROOF TRUSSES

LOADING INFORMATION

TCLL-TCDL-BCLL-BCDL	STRESS INCR.
20.0,10.0,0.0,10.0	1.15

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY	PITCH		TYPE	BASE	LUMBER		OVERHANG		REACTIONS				
	PLY	TOP	BOT	ID	O/A	TOP	BOT	LEFT	RIGHT					
	1	**.**	7.00	HALF HIP T5	16-07-00 16-07-00	2 X 6	2 X 6			Joint 6 639.9 lbs. 48.9 lbs.	Joint 8 661.4 lbs. -134.7 lbs.			
	1	10.00	0.00	VALLEY VE1	14-00-12 14-00-12	2 X 4	2 X 4			Joint 1 127.5 lbs. -23.7 lbs.	Joint 5 109.0 lbs. 0.9 lbs.	Joint 6 350.3 lbs. -130.0 lbs.	Joint 7 238.4 lbs. 55.4 lbs.	Joint 8 350.6 lbs. -130.1 lbs.
	1	10.00	0.00	VALLEY VE2	10-00-12 10-00-12	2 X 4	2 X 4			Joint 1 199.4 lbs. -21.9 lbs.	Joint 3 199.3 lbs. -30.4 lbs.	Joint 4 347.7 lbs. 10.9 lbs.		
	1	10.00	0.00	VALLEY VE3	06-00-12 06-00-12	2 X 4	2 X 4			Joint 1 123.3 lbs. -18.6 lbs.	Joint 3 123.3 lbs. -23.5 lbs.	Joint 4 179.8 lbs. 18.4 lbs.		
	2	12.00	0.00	VALLEY VK1	15-01-10 15-01-10	2 X 4	2 X 4			Joint 1 164.3 lbs. -30.7 lbs.	Joint 5 142.8 lbs. -2.1 lbs.	Joint 6 453.8 lbs. -181.5 lbs.	Joint 7 413.5 lbs. 60.3 lbs.	Joint 8 454.2 lbs. -181.7 lbs.
	2	12.00	0.00	VALLEY VK2	11-09-10 11-09-10	2 X 4	2 X 4			Joint 1 112.7 lbs. -68.1 lbs.	Joint 5 90.6 lbs. -46.0 lbs.	Joint 6 337.7 lbs. -160.3 lbs.	Joint 7 223.3 lbs. 54.7 lbs.	Joint 8 337.9 lbs. -160.4 lbs.
	2	12.00	0.00	VALLEY VK3	08-05-10 08-05-10	2 X 4	2 X 4			Joint 1 190.7 lbs. -34.0 lbs.	Joint 3 190.6 lbs. -34.0 lbs.	Joint 4 244.9 lbs. 32.3 lbs.		
	2	12.00	0.00	VALLEY VK4	05-01-10 05-01-10	2 X 4	2 X 4			Joint 1 109.5 lbs. -19.5 lbs.	Joint 3 109.4 lbs. -19.5 lbs.	Joint 4 140.6 lbs. 18.5 lbs.		
	1	12.00	0.00	VALLEY VL1	14-06-00 14-06-00	2 X 4	2 X 4			Joint 1 188.9 lbs. -32.4 lbs.	Joint 5 169.1 lbs. -13.5 lbs.	Joint 6 183.8 lbs. -80.4 lbs.	Joint 8 296.8 lbs. -143.0 lbs.	Joint 9 165.0 lbs. 12.3 lbs.
	1	12.00	0.00	VALLEY VL2	15-00-12 15-00-12	2 X 4	2 X 4			Joint 1 163.0 lbs. -31.0 lbs.	Joint 5 141.6 lbs. -2.5 lbs.	Joint 6 450.6 lbs. -180.7 lbs.	Joint 7 412.9 lbs. 60.2 lbs.	Joint 8 450.8 lbs. -180.9 lbs.

Reaction Summary of Order

ComTech ROOF & FLOOR TRUSSES & BEAMS
Reilly Road Industrial Park P.O. Box 40408
Fayetteville, N.C. 28309 (910) 864-TRUS

REQ. QUOTE DATE	/ /	ORDER #	J0222-1061
ORDER DATE	02/28/22	QUOTE #	
DELIVERY DATE	/ /	CUSTOMER ACCT #	0000006780
DATE OF INVOICE	/ /	CUSTOMER PO #	
ORDERED BY	Matt Norris	INVOICE #	
COUNTY	Johnston	TERMS	TO BE PRE-PAID
SUPERINTENDANT		SALES REP	Lenny Norris
JOBSITE PHONE #		SALES AREA	David Landry

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BUILDING DEPARTMENT	OVERHANG INFO		HEEL HEIGHT	00-06-08	REQ. LAYOUTS	REQ. ENGINEERING		BY	DATE
Roof Order	END CUT	RETURN			NONE	NONE	QUOTE	DTL	02/28/22
			GABLE STUDS	24 IN. OC			LAYOUT	DTL	03/01/22
							CUTTING	DTL	02/28/22

ROOF TRUSSES

LOADING INFORMATION

TCLL-TCDL-BCLL-BCDL	STRESS INCR.
20.0,10.0,0.0,10.0	1.15

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY	PITCH		TYPE ID	BASE O/A	LUMBER		OVERHANG		REACTIONS				
	PLY	TOP	BOT			TOP	BOT	LEFT	RIGHT					
	1	12.00	0.00	VALLEY VL3	11-08-12 11-08-12	2 X 4	2 X 4			Joint 1 113.0 lbs. -70.2 lbs.	Joint 5 91.0 lbs. -48.2 lbs.	Joint 6 337.8 lbs. -160.5 lbs.	Joint 7 223.2 lbs. 54.5 lbs.	Joint 8 338.1 lbs. -160.6 lbs.
	1	12.00	0.00	VALLEY VL4	08-04-12 08-04-12	2 X 4	2 X 4			Joint 1 188.9 lbs. -33.7 lbs.	Joint 3 188.9 lbs. -33.7 lbs.	Joint 4 242.6 lbs. 32.0 lbs.		
	1	12.00	0.00	VALLEY VL5	05-00-12 05-00-12	2 X 4	2 X 4			Joint 1 107.7 lbs. -19.2 lbs.	Joint 3 107.7 lbs. -19.2 lbs.	Joint 4 138.3 lbs. 18.2 lbs.		
	1	10.00	0.00	VALLEY VT1	09-06-14 09-06-14	2 X 4	2 X 4			Joint 1 174.6 lbs. -91.0 lbs.	Joint 6 42.0 lbs. -100.3 lbs.	Joint 7 275.5 lbs. -61.7 lbs.	Joint 8 462.9 lbs. -113.9 lbs.	Joint 9 273.6 lbs. -110.2 lbs.
	1	10.00	0.00	VALLEY VT2	07-06-14 07-06-14	2 X 4	2 X 4			Joint 1 125.8 lbs. 2.1 lbs.	Joint 4 85.3 lbs. -135.8 lbs.	Joint 5 361.6 lbs. -150.9 lbs.	Joint 6 417.1 lbs. -125.3 lbs.	
	1	10.00	0.00	VALLEY VT3	05-06-14 05-06-14	2 X 4	2 X 4			Joint 1 123.8 lbs. -76.0 lbs.	Joint 4 114.9 lbs. -182.9 lbs.	Joint 5 353.5 lbs. -185.6 lbs.	Joint 6 315.1 lbs. -101.1 lbs.	
	1	10.00	0.00	VALLEY VT4	03-06-14 03-06-14	2 X 4	2 X 4			Joint 1 102.7 lbs. 32.1 lbs.	Joint 3 108.4 lbs. -172.8 lbs.	Joint 4 338.2 lbs. -176.5 lbs.		

ITEMS

QTY	ITEM TYPE	SIZE	LENGTH FT-IN-16	PART NUMBER	NOTES
35	Hangers, USP	HUS 26			SIMPSON (HUS26)
2	LVL Beams (Sized)	LVL, 1-3/4" x 11-7/8" (S)	12-00-00		BM1
3	LVL Beams (Sized)	LVL, 1-3/4" x 16" (S)	15-00-00		BM2

Reaction Summary of Order

ComTech ROOF & FLOOR TRUSSES & BEAMS
Reilly Road Industrial Park P.O. Box 40408
Fayetteville, N.C. 28309 (910) 864-TRUS

REQ. QUOTE DATE	/ /	ORDER #	J0222-1061
ORDER DATE	02/28/22	QUOTE #	
DELIVERY DATE	/ /	CUSTOMER ACCT #	0000006780
DATE OF INVOICE	/ /	CUSTOMER PO #	
ORDERED BY	Matt Norris	INVOICE #	
COUNTY	Johnston	TERMS	TO BE PRE-PAID
SUPERINTENDANT		SALES REP	Lenny Norris
JOBSITE PHONE #		SALES AREA	David Landry

SOLD TO
Cumberland Homes, Inc.
PO Box 727
Dunn, NC 28335
(910) 890-4321

SHIP TO
Cumberland Homes, Inc

Johnston Co., NC

JOB NAME: Holland Residence **LOT #** - **SUBDIV:**-
MODEL: Roof **TAG:** Holland Residence **JOB CATEGORY:**

DELIVERY INSTRUCTIONS:

SPECIAL INSTRUCTIONS:

PLAN SEAL DATE:

BUILDING DEPARTMENT	OVERHANG INFO		HEEL HEIGHT	00-06-08	REQ. LAYOUTS	REQ. ENGINEERING		BY	DATE
Roof Order	END CUT	RETURN			NONE	NONE	QUOTE	DTL	02/28/22
			GABLE STUDS	24 IN. OC			LAYOUT	DTL	03/01/22
							CUTTING	DTL	02/28/22

ITEMS

QTY	ITEM TYPE	SIZE	LENGTH FT-IN-16	PART NUMBER	NOTES
2	LVL Beams (Sized)	LVL, 1-3/4" x 24" (S)	24-00-00		24" LVL is <<ONLY>> sold in 20, 24, 28 or 48 foot lengths!!! (sm) / GDH
2	Hangers, USP	THD410			SIMPSON (HHUS410)

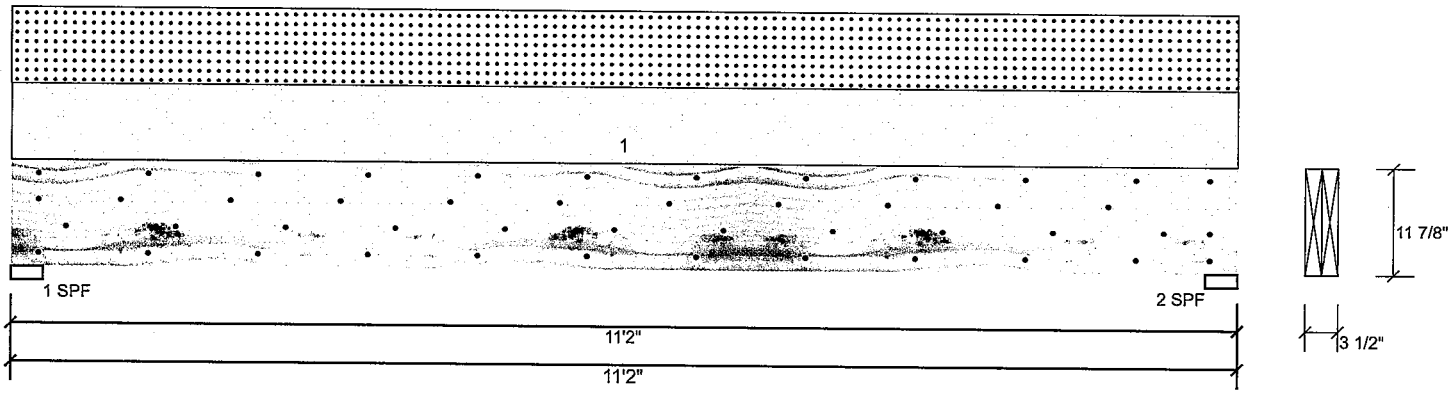
isDesign

Client: Cumberland Homes, Inc.
Project:
Address:

Date: 3/1/2022
Input by: David Landry
Job Name: Holland Residence
Project #: J0222-1061

BM1 Kerto-S LVL 1.750" X 11.875" 2-Ply - PASSED

Level: Level



Member Information

Type:	Girder	Application:	Floor
Plies:	2	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	480	Load Sharing:	No
Deflection TL:	360	Deck:	Not Checked
Importance:	Normal - II	Ceiling:	Gypsum 1/2"
Temperature:	Temp <= 100°F		

Reactions UNPATTERNED lb (Uplift)

Brg	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	0	1967	1915	0	0
2	Vertical	0	1967	1915	0	0

Bearings

Bearing	Length	Dir.	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	Vert	75%	1967 / 1915	3882	L	D+S
2 - SPF	3.500"	Vert	75%	1967 / 1915	3882	L	D+S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	9965 ft-lb	5'7"	22897 ft-lb	0.435 (44%)	D+S	L
Unbraced	9965 ft-lb	5'7"	9966 ft-lb	1.000 (100%)	D+S	L
Shear	3679 lb	1'3 3/8"	10197 lb	0.361 (36%)	D+S	L
LL Defl inch	0.118 (L/1094)	5'7"	0.268 (L/480)	0.439 (44%)	S	L
TL Defl inch	0.238 (L/539)	5'7"	0.357 (L/360)	0.667 (67%)	D+S	L

Design Notes

1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.
2 Fasten all plies using 4 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
3 Refer to last page of calculations for fasteners required for specified loads.
4 Girders are designed to be supported on the bottom edge only.
5 Top must be laterally braced at a maximum of 9'2 15/16" o.c.
6 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform			Far Face	343 PLF	0 PLF	343 PLF	0 PLF	0 PLF	G2
	Self Weight				9 PLF					

Notes

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

Lumber

1. Dry service conditions, unless noted otherwise
2. LVL not to be treated with fire retardant or corrosive chemicals

Handling & Installation

1. LVL beams must not be cut or drilled
2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals
3. Damaged Beams must not be used
4. Design assumes top edge is laterally restrained
5. Provide lateral support at bearing points to avoid lateral displacement and rotation
6. For flat roofs provide proper drainage to prevent ponding

This design is valid until 11/3/2024

Manufacturer Info

Metsä Wood
301 Merritt 7 Building, 2nd Floor
Norwalk, CT 06851
(800) 622-5850
www.metsawood.com/us

Comtech, Inc.
1001 S. Reilly Road, Suite #639
Fayetteville, NC
USA
28314
910-864-TRUS

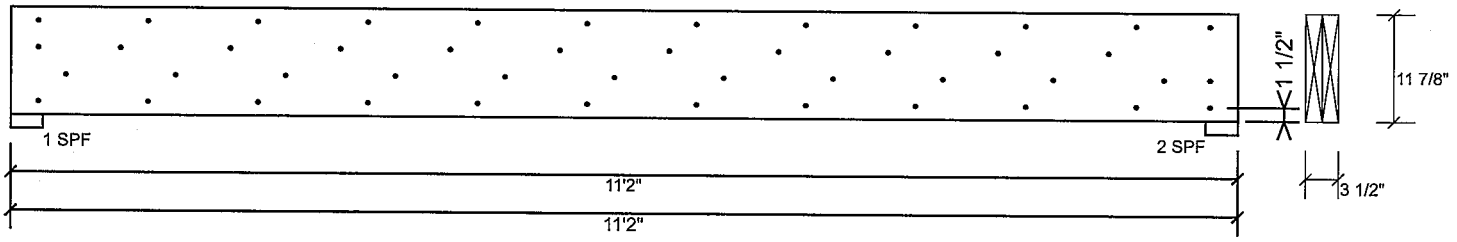
COMTECH

CSD DRAW DESIGN BUILD

Client:	Cumberland Homes, Inc.	Date:	3/1/2022
Project:		Input by:	David Landry
Address:		Job Name:	Holland Residence
		Project #:	J0222-1061

BM1 Kerto-S LVL 1.750" X 11.875" 2-Ply - PASSED

Level: Level



Multi-Ply Analysis

Fasten all plies using 4 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6".

Capacity	91.1 %
Load	343.0 PLF
Yield Limit per Foot	376.5 PLF
Yield Limit per Fastener	94.1 lb.
Yield Mode	IV
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	D+S
Duration Factor	1.15

Notes

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Lumber

1. Dry service conditions, unless noted otherwise
2. LVL not to be treated with fire retardant or corrosive chemicals

Handling & Installation

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2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals
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910-864-TRUS

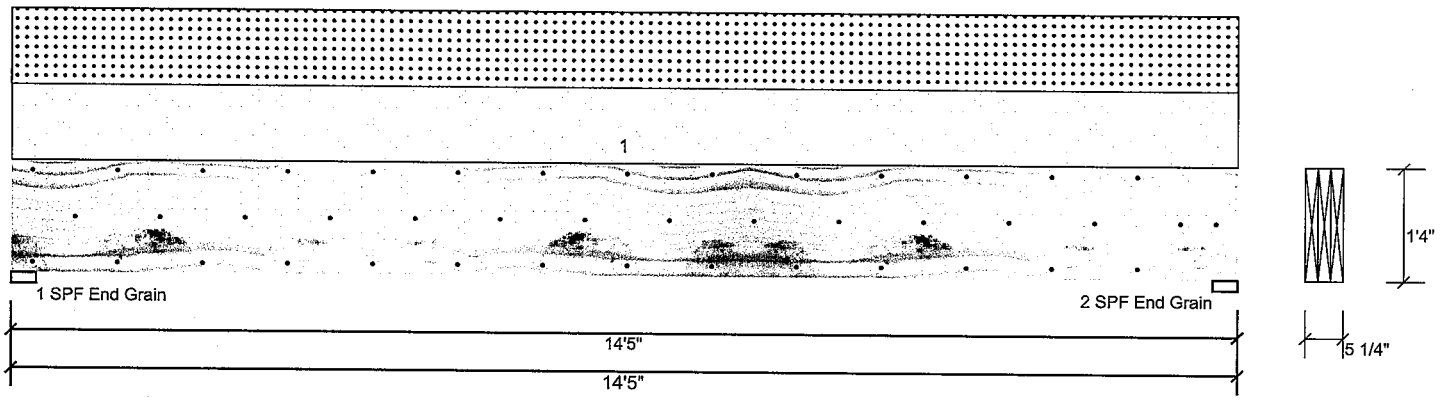
iStruct Design

Client: Cumberland Homes, Inc.
Project:
Address:

Date: 3/1/2022
Input by: David Landry
Job Name: Holland Residence
Project #: J0222-1061

BM2 Kerto-S LVL 1.750" X 16.000" 3-Ply - PASSED

Level: Level



Member Information

Type:	Girder	Application:	Floor
Plies:	3	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	480	Load Sharing:	Yes
Deflection TL:	360	Deck:	Not Checked
Importance:	Normal - II	Ceiling:	Gypsum 1/2"
Temperature:	Temp <= 100°F		

Reactions UNPATTERNED lb (Uplift)

Brg	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	0	5534	5399	0	0
2	Vertical	0	5534	5399	0	0

Bearings

Bearing	Length	Dir.	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	3.500"	Vert	71%	5534 / 5399	10933	L	D+S
2 - SPF End Grain	3.500"	Vert	71%	5534 / 5399	10933	L	D+S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	37048 ft-lb	7'2 1/2"	62010 ft-lb	0.597 (60%)	D+S	L
Unbraced	37048 ft-lb	7'2 1/2"	37185 ft-lb	0.996 (100%)	D+S	L
Shear	8493 lb	1'7 1/2"	20608 lb	0.412 (41%)	D+S	L
LL Defl inch	0.205 (L/820)	7'2 9/16"	0.349 (L/480)	0.586 (59%)	S	L
TL Defl inch	0.414 (L/405)	7'2 9/16"	0.466 (L/360)	0.889 (89%)	D+S	L

Design Notes

1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.
2 Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
3 Refer to last page of calculations for fasteners required for specified loads.
4 Girders are designed to be supported on the bottom edge only.
5 Top loads must be supported equally by all plies.
6 Top must be laterally braced at a maximum of 4'7 3/8" o.c.
7 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform			Top	749 PLF	0 PLF	749 PLF	0 PLF	0 PLF	A2
	Self Weight				19 PLF					

Notes

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

Lumber

1. Dry service conditions, unless noted otherwise
2. LVL not to be treated with fire retardant or corrosive chemicals

Handling & Installation

1. LVL beams must not be cut or drilled
2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals
3. Damaged Beams must not be used
4. Design assumes top edge is laterally restrained
5. Provide lateral support at bearing points to avoid lateral displacement and rotation
6. For flat roofs provide proper drainage to prevent ponding

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1001 S. Reilly Road, Suite #639
Fayetteville, NC
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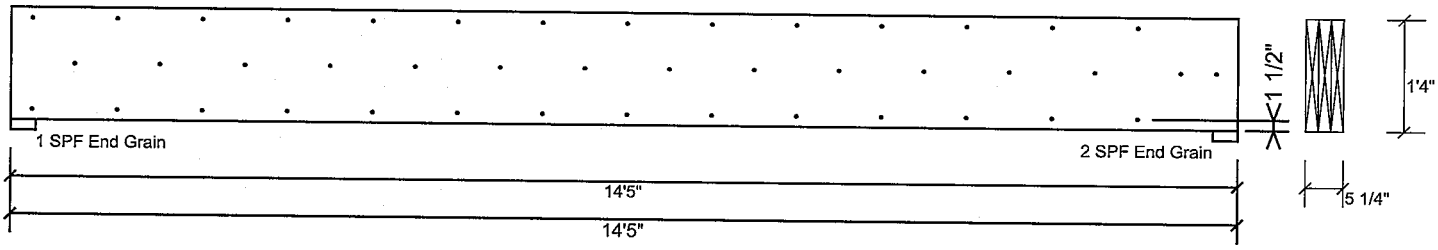
28314
910-864-TRUS

COMTECH

Client:	Cumberland Homes, Inc.	Date:	3/1/2022
Project:		Input by:	David Landry
Address:		Job Name:	Holland Residence
		Project #:	J0222-1061

BM2 Kerto-S LVL 1.750" X 16.000" 3-Ply - PASSED

Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c.. Nail from both sides. Maximum end distance not to exceed 6".

Capacity	0.0 %
Load	0.0 PLF
Yield Limit per Foot	245.6 PLF
Yield Limit per Fastener	81.9 lb.
Yield Mode	IV
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	
Duration Factor	1.00

Notes

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

Lumber

1. Dry service conditions, unless noted otherwise
2. LVL not to be treated with fire retardant or corrosive chemicals

Handling & Installation

1. LVL beams must not be cut or drilled
2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals
3. Damaged Beams must not be used
4. Design assumes top edge is laterally restrained
5. Provide lateral support at bearing points to avoid lateral displacement and rotation
6. For flat roofs provide proper drainage to prevent ponding

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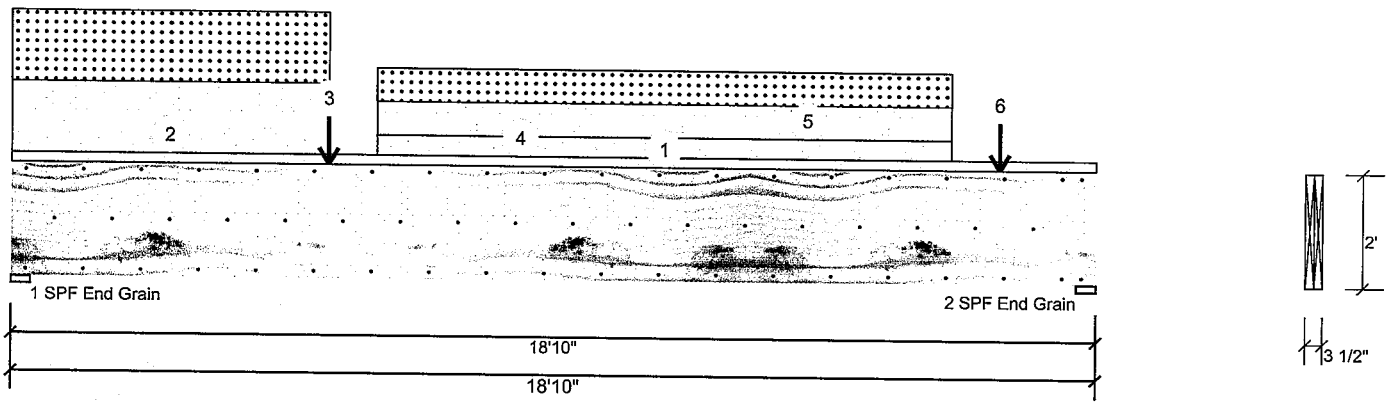
iStruct Design

Client: Cumberland Homes, Inc.
Project:
Address:

Date: 3/1/2022
Input by: David Landry
Job Name: Holland Residence
Project #: J0222-1061

GDH Kerto-S LVL 1.750" X 24.000" 2-Ply - PASSED

Level: Level



Member Information

Type:	Girder	Application:	Floor
Plies:	2	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	480	Load Sharing:	No
Deflection TL:	360	Deck:	Not Checked
Importance:	Normal - II	Ceiling:	Gypsum 1/2"
Temperature:	Temp <= 100°F		

Reactions UNPATTERNED lb (Uplift)

Brg	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	0	6410	5195	0	0
2	Vertical	0	6628	5161	0	0

Bearings

Bearing	Length	Dir.	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	4.000"	Vert	99%	6410 / 5195	11605	L	D+S
2 - SPF End Grain	4.063"	Vert	99%	6628 / 5161	11788	L	D+S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	47205 ft-lb	7' 1/8"	84163 ft-lb	0.561 (56%)	D+S	L
Unbraced	47205 ft-lb	7' 1/8"	47303 ft-lb	0.998 (100%)	D+S	L
Shear	9629 lb	16'5 15/16"	20608 lb	0.467 (47%)	D+S	L
LL Defl inch	0.179 (L/1229)	8'10 1/8"	0.458 (L/480)	0.391 (39%)	S	L
TL Defl inch	0.419 (L/525)	8'11 11/16"	0.610 (L/360)	0.686 (69%)	D+S	L

Design Notes

1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.
2 Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
3 Refer to last page of calculations for fasteners required for specified loads.
4 Girders are designed to be supported on the bottom edge only.
5 Top loads must be supported equally by all plies.
6 Top must be laterally braced at a maximum of 3'8 3/16" o.c.
7 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform			Top	60 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Wall
2	Part. Uniform	0-0-0 to 5-6-0		Top	428 PLF	0 PLF	428 PLF	0 PLF	0 PLF	G1
3	Point	5-6-0		Top	2996 lb	0 lb	2996 lb	0 lb	0 lb	G1-GR
	Bearing Length	0-3-8								
4	Part. Uniform	6-4-0 to 16-4-0		Top	120 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Wall

Continued on page 2...

Notes

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Lumber

1. Dry service conditions, unless noted otherwise
2. LVL not to be treated with fire retardant or corrosive chemicals

Handling & Installation

1. LVL beams must not be cut or drilled
2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals
3. Damaged Beams must not be used
4. Design assumes top edge is laterally restrained
5. Provide lateral support at bearing points to avoid lateral displacement and rotation
6. For flat roofs provide proper drainage to prevent ponding

This design is valid until 11/3/2024

Manufacturer Info

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CSD DRAW DESIGN BUILD

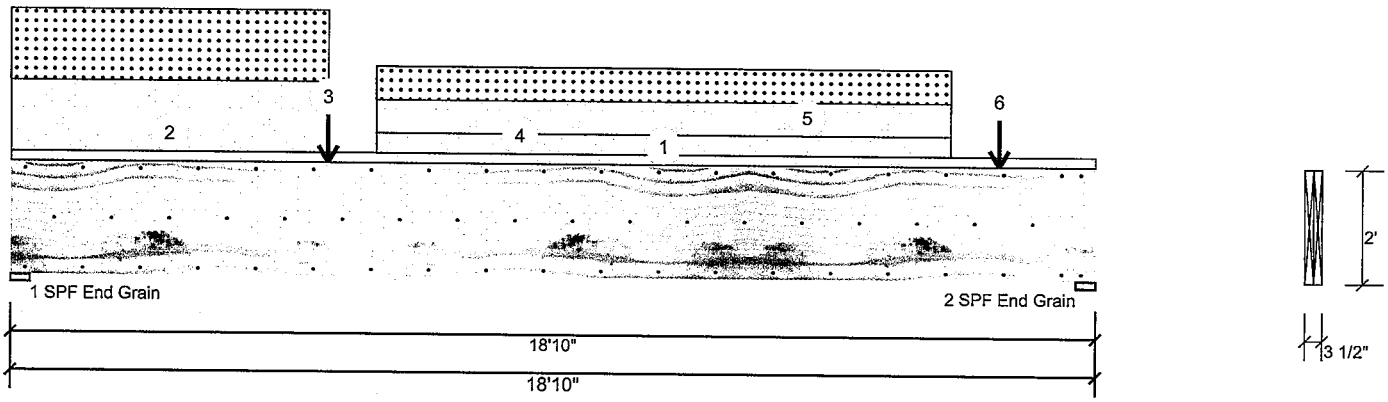
isDesign

Client: Cumberland Homes, Inc.
Project:
Address:

Date: 3/1/2022
Input by: David Landry
Job Name: Holland Residence
Project #: J0222-1061

GDH Kerto-S LVL 1.750" X 24.000" 2-Ply - PASSED

Level: Level



...Continued from page 1

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
5	Part. Uniform	6-4-0 to 16-4-0		Top	201 PLF	0 PLF	201 PLF	0 PLF	0 PLF	G2
6	Point	17-2-0		Top	2996 lb	0 lb	2996 lb	0 lb	0 lb	G1-GR
	Bearing Length	0-3-8								
	Self Weight				19 PLF					

Notes

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Lumber

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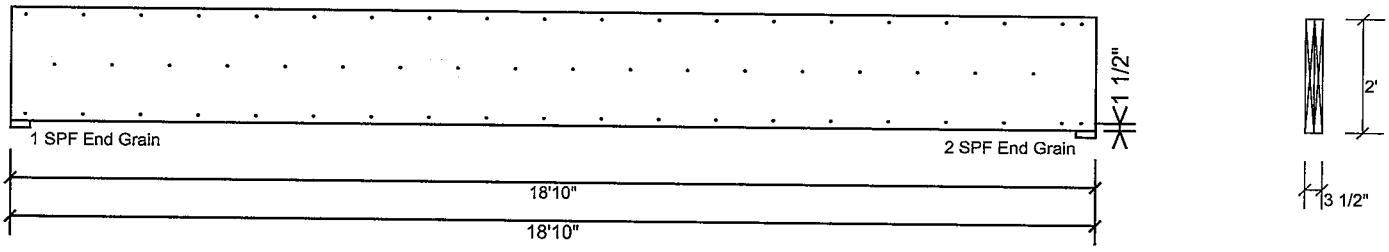
CSD DRAW DESIGN BUILD

Client:	Cumberland Homes, Inc.	Date:	3/1/2022
Project:		Input by:	David Landry
Address:		Job Name:	Holland Residence
		Project #:	J0222-1061

GDH Kerto-S LVL 1.750" X 24.000" 2-Ply - PASSED

Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6".

Capacity	0.0 %
Load	0.0 PLF
Yield Limit per Foot	245.6 PLF
Yield Limit per Fastener	81.9 lb.
Yield Mode	IV
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	
Duration Factor	1.00

Notes

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Lumber

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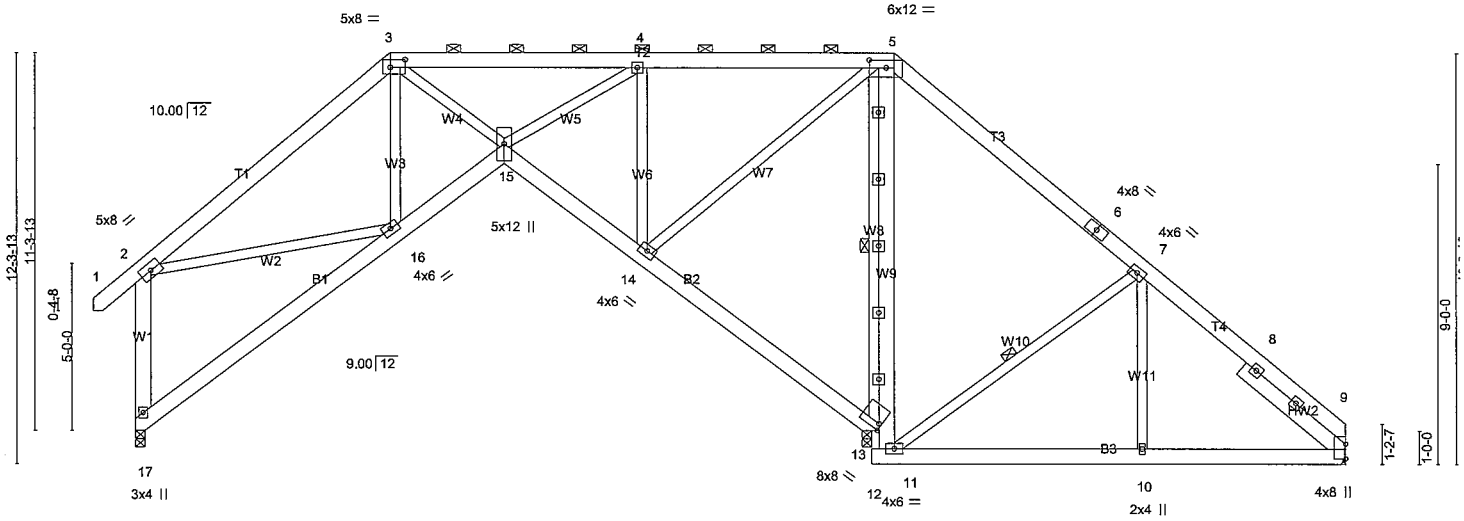
910-864-TRUS

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	A1	PIGGYBACK BASE	5	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:07 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-FZG1ikxp9tt8C5epIBSiKE3jnGnNtVxCLIFSD2zfFc2

-1-3-0	7-6-15	15-0-15	22-6-15	29-11-0	35-7-8	35-11-0
1-3-0	7-6-15	7-6-0	7-6-0	7-4-1	5-8-8	0-3-8

Scale = 1:65.8



7-6-15	10-11-8	15-0-15	21-11-0	29-11-0	35-11-0
7-6-15	3-4-9	4-1-7	6-10-1	8-0-0	6-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.25	Vert(LL)	-0.03	15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.07	13-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.09	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.04	10-11	>999	240	Weight: 337 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except* W1,W9: 2x6 SP No.1
SLIDER Right 2x6 SP No.1 -x 3-10-14

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-11, 7-11

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

REACTIONS. (lb/size) 17=723/0-3-8 (min. 0-1-8), 13=2078/0-3-8 (min. 0-1-13), 9=143/Mechanical
Max Horz 17=-261(LC 8)
Max Uplift 17=-131(LC 13), 13=-241(LC 9), 9=-291(LC 8)
Max Grav 17=733(LC 23), 13=2078(LC 1), 9=279(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-847/104, 18-19=-729/121, 3-19=-700/155, 3-20=-762/189, 4-20=-760/189, 4-21=-395/334, 5-21=-395/334, 5-6=-114/769, 6-7=-147/556, 7-22=-290/578, 8-22=-323/554, 8-9=-351/539, 2-17=-696/289
BOT CHORD 16-17=-336/378, 15-16=-226/743, 14-15=-94/263, 13-14=-627/186, 11-23=-294/151, 10-23=-294/151, 9-10=-294/151
WEBS 3-15=-52/296, 4-15=-193/747, 4-14=-876/285, 7-10=-259/335, 2-16=0/495, 11-13=-400/393, 5-13=-1300/197, 7-11=-577/515, 5-14=-164/872

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-1-6 to 3-3-6, Interior(1) 3-3-6 to 7-6-15, Exterior(2) 7-6-15 to 13-9-10, Interior(1) 13-9-10 to 22-6-15, Exterior(2) 22-6-15 to 28-9-10, Interior(1) 28-9-10 to 35-11-0 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 4x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Bearing at joint(s) 17, 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	A1	PIGGYBACK BASE	5	1	Job Reference (optional)

NOTES-

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=131, 13=241, 9=291.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

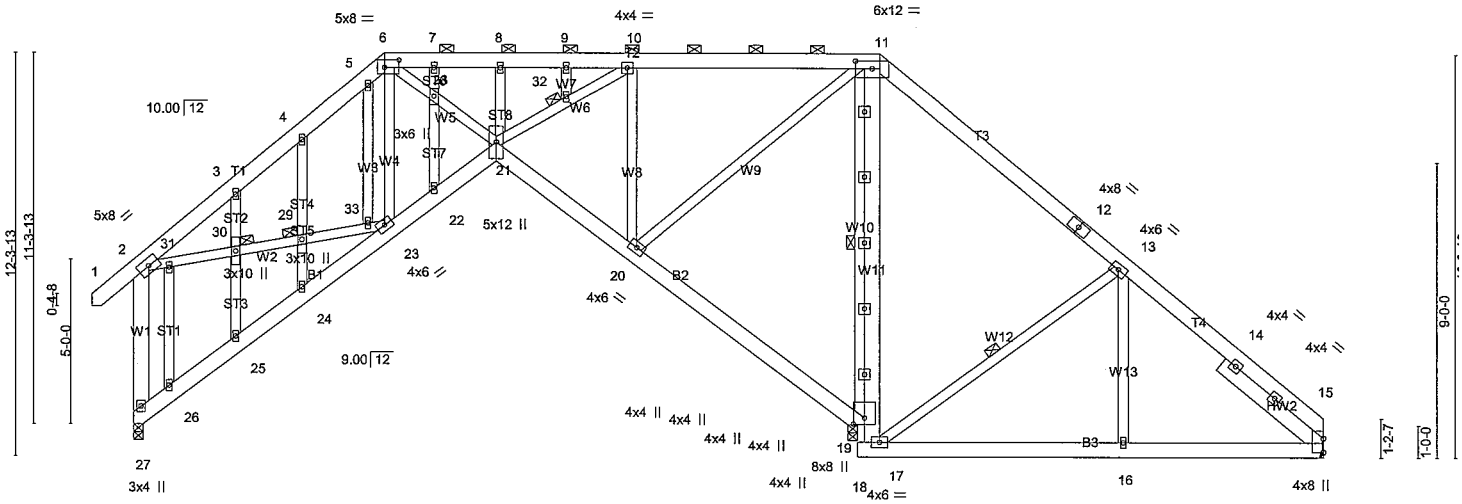
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	A1SG	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:08 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-jmqPv4yRwB0?qFC?rvzxsSbuZg6YcyMMay?0lUzfFc1

-1-3-0	7-6-15	15-0-15	22-6-15	29-11-0	35-7-8	35-11-0
1-3-0	7-6-15	7-6-0	7-6-0	7-4-1	5-8-8	0-3-8

Scale = 1:66.9



7-6-15	10-11-8	15-0-15	21-11-0	29-11-0	35-11-0
7-6-15	3-4-9	4-1-7	6-10-1	8-0-0	6-0-0

Plate Offsets (X,Y)-- [6:0-5-4,0-2-12], [11:0-6-0,0-2-13], [19:0-2-4,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.03	24	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.07	19-20	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.09	19	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.05	24-25	>999	240	Weight: 372 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.2 *Except* W1,W11: 2x6 SP No.1
OTHERS	2x4 SP No.2
SLIDER	Right 2x6 SP No.1 -x 3-10-14

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-11.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 11-17, 13-17
JOINTS	1 Brace at Jt(s): 29, 30, 32

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

REACTIONS. (lb/size) 27=709/0-3-8 (min. 0-1-8), 19=2116/0-3-8 (min. 0-1-14), 15=120/Mechanical
Max Horz 27=-368(LC 13)
Max Uplift 27=-269(LC 13), 19=-522(LC 9), 15=-428(LC 13)
Max Grav 27=718(LC 23), 19=2116(LC 1), 15=336(LC 20)

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

TOP CHORD	2-3=-803/174, 3-4=-728/229, 4-5=-696/280, 5-6=-525/269, 6-7=-767/357, 7-8=-764/357, 8-9=-763/357, 9-10=-763/357, 10-11=-379/371, 11-12=-245/912, 12-13=-278/699, 13-14=-303/611, 14-15=-365/571, 2-27=-657/215
BOT CHORD	26-27=-389/467, 25-26=-379/463, 24-25=-372/448, 23-24=-363/455, 22-23=-350/818, 21-22=-367/867, 20-21=-148/262, 19-20=-662/245, 17-34=-317/209, 16-34=-317/209, 15-16=-317/209
WEBS	6-28=-132/330, 21-28=-135/337, 21-32=-382/924, 10-32=-371/903, 10-20=-857/483, 13-16=-256/335, 2-31=-54/493, 30-31=-53/494, 29-30=-55/502, 29-33=-55/502, 23-33=-54/495, 17-19=-426/394, 11-19=-1318/426, 13-17=-577/559, 11-20=-331/850

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch 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) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	A1SG	GABLE	1	1	Job Reference (optional)

NOTES-

8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Refer to girder(s) for truss to truss connections.
10) Bearing at joint(s) 27, 19 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 27=269, 19=522, 15=428.
12) This truss is designed in accordance with the 2015 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.

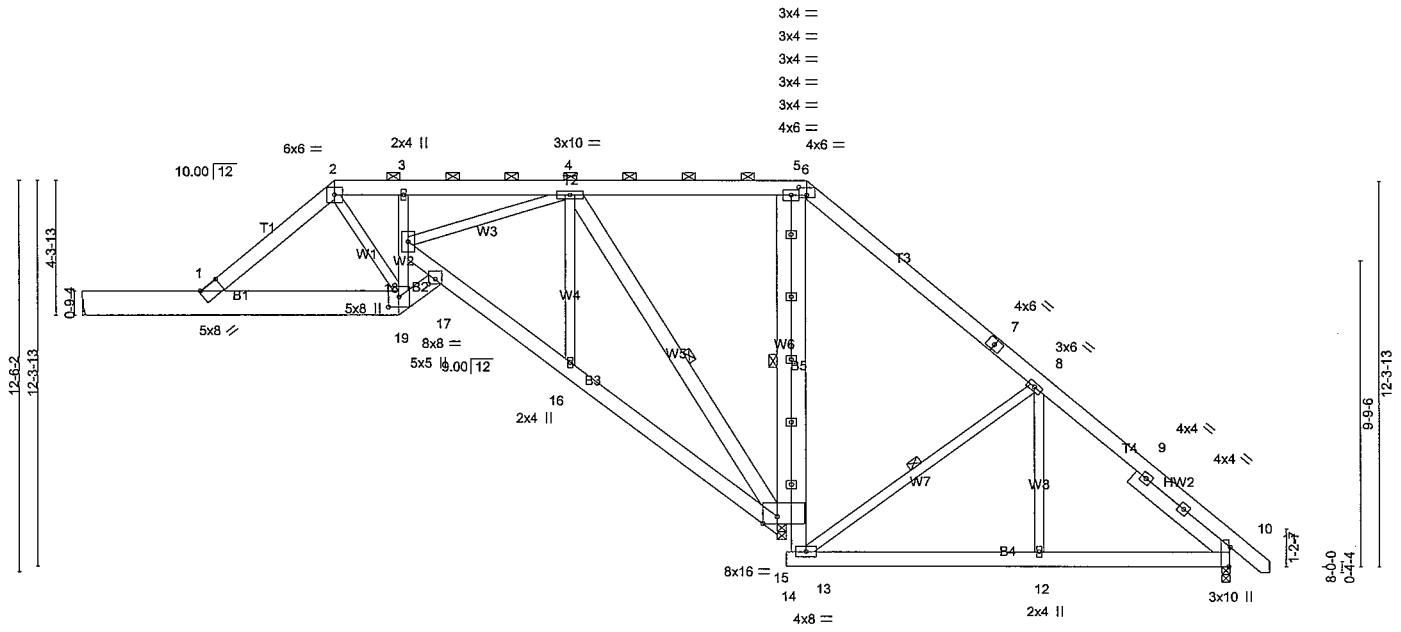
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	A2	PIGGYBACK BASE	7	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:09 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-CyOn7Pz3hV8sRPnBPcUAPf80i4MILRrVpckZHxzfFc0

3-8-14	7-11-15	10-0-8	15-5-12	22-11-15	30-4-0	36-0-8	37-7-0 / 36-4-0
3-8-14	4-3-1	2-0-9	5-5-4	7-6-4	7-4-1	5-8-8	0-3-8 / 1-3-0

Scale = 1:70.1



3-8-14	10-0-8	11-4-8	15-5-12	22-0-8	22-2-4	30-4-0	36-4-0
3-8-14	6-3-10	1-4-0	4-1-4	6-6-12	0-1-12	8-1-12	6-0-0

Plate Offsets (X,Y)-- [1:0-7-5,0-0-4], [6:0-3-0,0-3-0], [10:0-7-4,Edge], [15:0-5-8,Edge], [17:0-1-12,0-2-8], [19:0-4-0,0-3-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.09	1-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.17	1-19	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.04	15	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.09	1-19	>999	240	Weight: 340 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1 *Except*
B1: 2x10 SP No.1
WEBS 2x4 SP No.2 *Except*
W6,W5: 2x6 SP No.1
SLIDER Right 2x6 SP No.1 -x 3-10-14

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
2-0-0 oc purlins (6-0-0 max.): 2-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 5-15
6-0-0 oc bracing: 13-15
WEBS 1 Row at midpt 8-13, 4-15

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

REACTIONS. (lb/size) 10=-299/0-3-0 (min. 0-1-8), 20=521/Mechanical, 15=2978/0-3-8 (min. 0-1-8)
Max Horz 20=-317(LC 13)
Max Uplift 10=-616(LC 23), 20=-86(LC 13), 15=-277(LC 9)
Max Grav 10=154(LC 11), 20=524(LC 23), 15=2978(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-324/309, 2-3=-318/345, 3-21=-295/338, 4-21=-295/338, 4-22=-151/1138, 5-22=-151/1138, 5-6=-143/1056, 6-23=-183/1463, 7-23=-192/1312, 7-8=-214/1304, 8-24=-163/1069, 9-24=-182/1027, 9-10=-201/1028
BOT CHORD 17-18=-815/167, 16-17=-846/251, 15-16=-880/311, 13-15=-348/224, 5-15=-1298/162, 13-25=-743/136, 12-25=-743/136, 10-12=-743/136, 1-20=-328/317
WEBS 18-19=-42/569, 4-18=-99/682, 8-13=-637/505, 8-12=-253/351, 4-15=-855/128

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 3-8-14 to 12-4-12, Interior(1) 12-4-12 to 22-11-15, Exterior(2) 22-11-15 to 27-4-12, Interior(1) 27-4-12 to 37-5-4 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	A2	PIGGYBACK BASE	7	1	Job Reference (optional)

NOTES-

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20 except (jt=lb) 10=616, 15=277.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 245 lb down and 136 lb up at 1-9-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-6=-60, 6-11=-60, 17-19=-20, 15-17=-20, 13-14=-20, 10-13=-20, 1-20=-80, 1-19=-20
Concentrated Loads (lb)
Vert: 1=-229

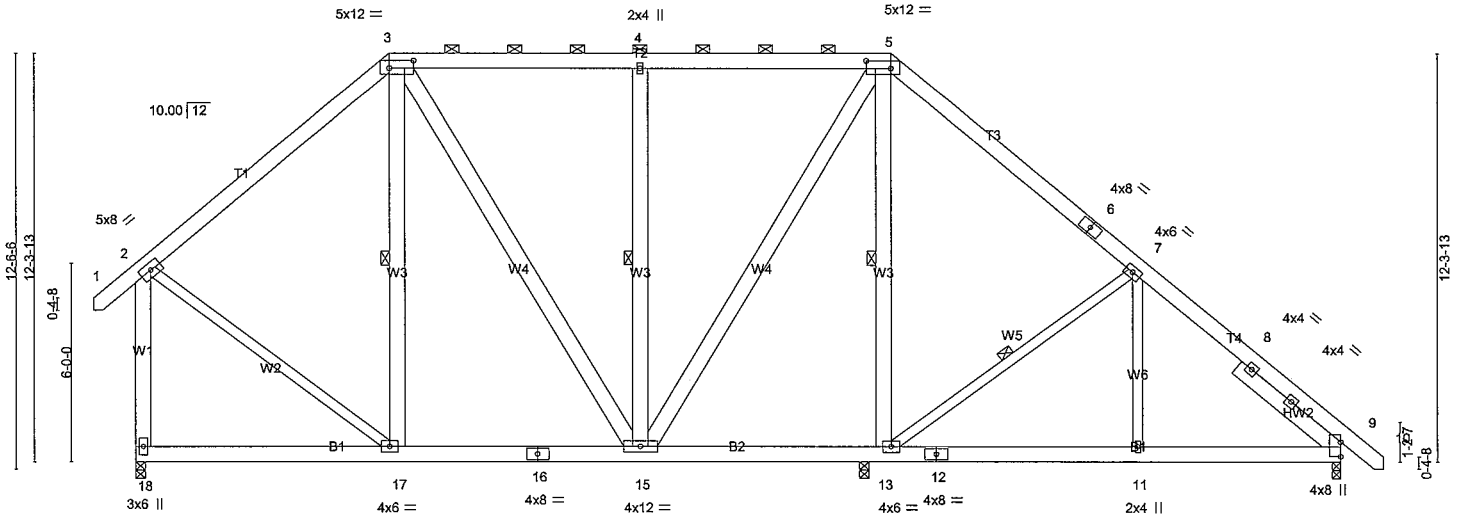
Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	A3	PIGGYBACK BASE	5	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:10 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-g8yAKI_hSoGj3ZMOzK?PythEuTI_4uFf2GU6pNzfFc?

-1-3-0	7-6-15	15-0-15	22-6-15	29-11-0	35-7-8	37-2-0 35-11-0
1-3-0	7-6-15	7-6-0	7-6-0	7-4-1	5-8-8	0-3-8 1-3-0

Scale = 1:66.1



7-6-15	15-0-15	21-11-0	22-6-15	29-11-0	35-11-0
7-6-15	7-6-0	6-10-1	0-7-15	7-4-1	6-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	-0.04	15-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.07	11-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.06	11-13	>999	240	Weight: 389 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x6 SP No.1 *Except* W5,W6,W2: 2x4 SP No.2
SLIDER	Right 2x6 SP No.1 -x 3-10-14

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-17, 4-15, 5-13, 7-13

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

REACTIONS. (lb/size) 18=1089/0-3-8 (min. 0-1-8), 9=855/0-3-0 (min. 0-1-8), 14=1058/0-3-8 (min. 0-1-8)
Max Horz 18=-371(LC 10)
Max Uplift18=-45(LC 12), 9=-173(LC 8), 14=-92(LC 8)
Max Grav 18=1186(LC 2), 9=855(LC 1), 14=1269(LC 2)

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

TOP CHORD	2-19=-788/328, 19-20=-690/346, 3-20=-667/379, 3-21=-597/439, 4-21=-596/439, 4-22=-596/439, 5-22=-597/439, 5-6=-404/433, 6-7=-511/382, 7-23=-757/655, 8-23=-856/632, 8-9=-951/616, 2-18=-1041/415
BOT CHORD	18-24=-261/322, 17-24=-261/322, 16-17=-159/607, 16-25=-159/607, 15-25=-159/607, 15-26=-103/319, 14-26=-103/319, 13-14=-103/319, 12-13=-328/634, 12-27=-328/634, 11-27=-328/634, 9-11=-328/633
WEBS	4-15=-503/237, 5-15=-98/635, 5-13=-648/27, 7-13=-564/513, 7-11=-262/322, 2-17=-89/597

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-1-6 to 3-3-6, Interior(1) 3-3-6 to 7-6-15, Exterior(2) 7-6-15 to 13-9-10, Interior(1) 13-9-10 to 22-6-15, Exterior(2) 22-6-15 to 28-9-10, Interior(1) 28-9-10 to 37-0-6 zone; end vertical left exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 14 except (jt=lb) 9=173.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	A3	PIGGYBACK BASE	5	1	Job Reference (optional)

NOTES-

7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

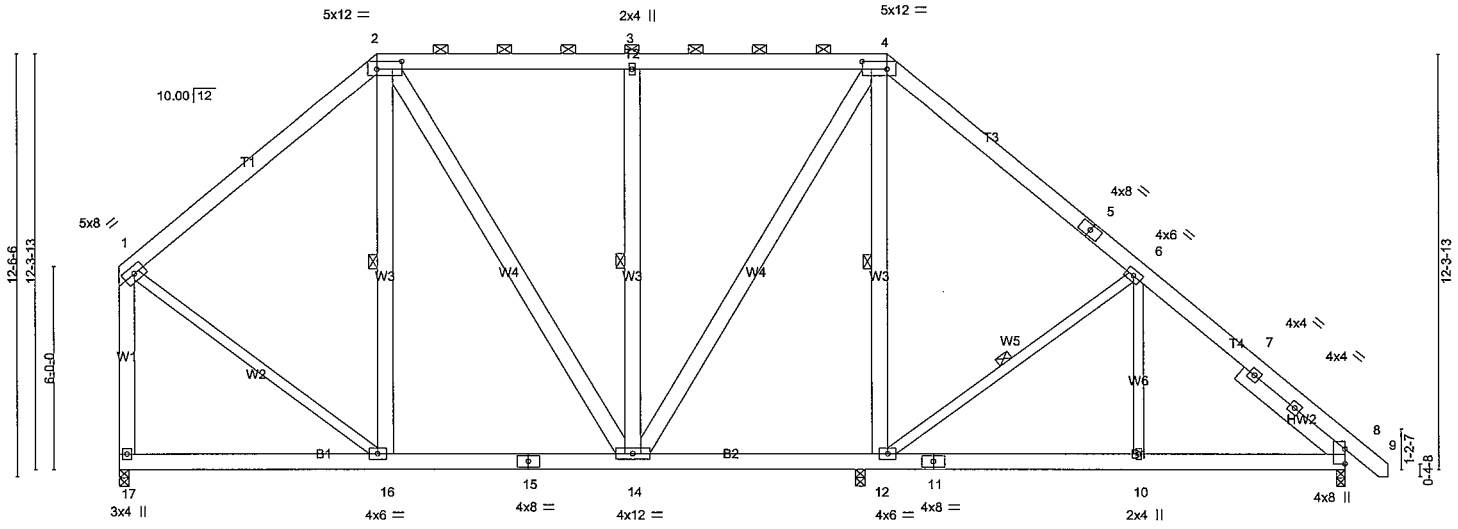
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	A3A	PIGGYBACK BASE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:11 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-8KWYX5?JD6OahixaX1WeU4DPft5DpLOoGwDgMpzfFc_

7-6-15	15-0-15	22-6-15	29-11-0	35-7-8	37-2-0 / 35-11-0
7-6-15	7-6-0	7-6-0	7-4-1	5-8-8	0-3-8 / 1-3-0

Scale = 1:64.9



7-6-15	15-0-15	21-11-0	22-6-15	29-11-0	35-11-0
7-6-15	7-6-0	6-10-1	0-7-15	7-4-1	6-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.25	Vert(LL)	-0.04	14-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.07	10-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.06	10-12	>999	240	Weight: 386 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x6 SP No.1 *Except*
W5,W6,W2: 2x4 SP No.2
SLIDER Right 2x6 SP No.1 -x 3-10-14

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-16, 3-14, 4-12, 6-12

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

REACTIONS. (lb/size) 17=1007/0-3-8 (min. 0-1-8), 8=857/0-3-0 (min. 0-1-8), 13=1057/0-3-8 (min. 0-1-8)
Max Horz 17=-362(LC 8)
Max Uplift17=-30(LC 12), 8=-172(LC 8), 13=-91(LC 8)
Max Grav 17=1118(LC 2), 8=857(LC 1), 13=1268(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-787/312, 18-19=-672/332, 2-19=-645/360, 2-20=-591/431, 3-20=-590/431, 3-21=-590/431, 4-21=-591/431, 4-5=-400/427, 5-6=-514/376, 6-22=-760/649, 7-22=-859/626, 7-8=-954/610, 1-17=-973/357
BOT CHORD 17-23=-244/331, 16-23=-244/331, 15-16=-153/614, 15-24=-153/614, 14-24=-153/614, 14-25=-101/322, 13-25=-101/322, 12-13=-101/322, 11-12=-324/636, 11-26=-324/636, 10-26=-324/636, 8-10=-324/636
WEBS 3-14=-502/234, 4-14=-95/636, 4-12=-647/26, 6-12=-564/513, 6-10=-262/322, 1-16=-133/607

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-2-12 to 4-7-9, Interior(1) 4-7-9 to 7-6-15, Exterior(2) 7-6-15 to 13-9-10, Interior(1) 13-9-10 to 22-6-15, Exterior(2) 22-6-15 to 28-9-10, Interior(1) 28-9-10 to 37-0-6 zone; end vertical left exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 13 except (jt=lb) 8=172.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	A3A	PIGGYBACK BASE	1	1	Job Reference (optional)

NOTES-

7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	A4SG	PIGGYBACK BASE STRUC COMMON	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:11 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-8KWYX5?JD6OahixaX1WeU4DN6t5ApJkoGwDgMpzfFc_

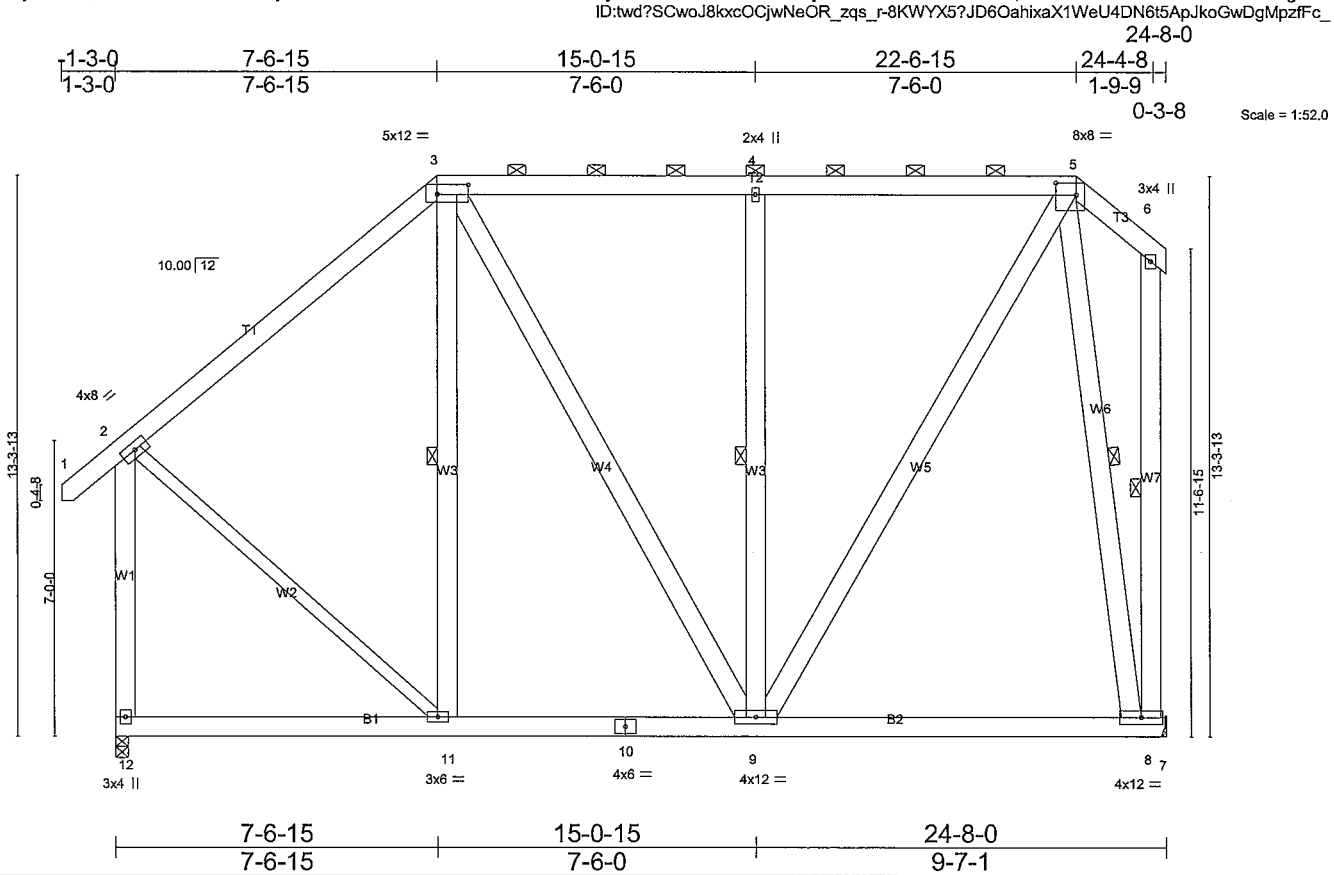


Plate Offsets (X,Y)-- [3:0-8-12,0-2-12], [5:0-5-12,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.12	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.38	Vert(CT)	-0.17	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.01	9	>999	240	Weight: 336 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-11, 4-9, 6-8, 5-8

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

REACTIONS. (lb/size) 12=1046/0-3-8 (min. 0-1-8), 8=968/Mechanical
Max Horz 12=199(LC 12)
Max Uplift8=-95(LC 9)
Max Grav 12=1215(LC 2), 8=1161(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-737/175, 13-14=-639/193, 3-14=-616/226, 3-15=-544/229, 4-15=-542/230, 4-16=-543/230, 5-16=-543/230, 2-12=-1040/253
BOT CHORD 12-17=-270/243, 11-17=-270/243, 10-11=-199/485, 10-18=-199/485, 9-18=-199/485
WEBS 4-9=-519/254, 5-9=-239/806, 2-11=-2/618, 5-8=-907/366

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-1-6 to 3-3-6, Interior(1) 3-3-6 to 7-6-15, Exterior(2) 7-6-15 to 13-9-10, Interior(1) 13-9-10 to 22-6-15, Exterior(2) 22-6-15 to 24-3-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

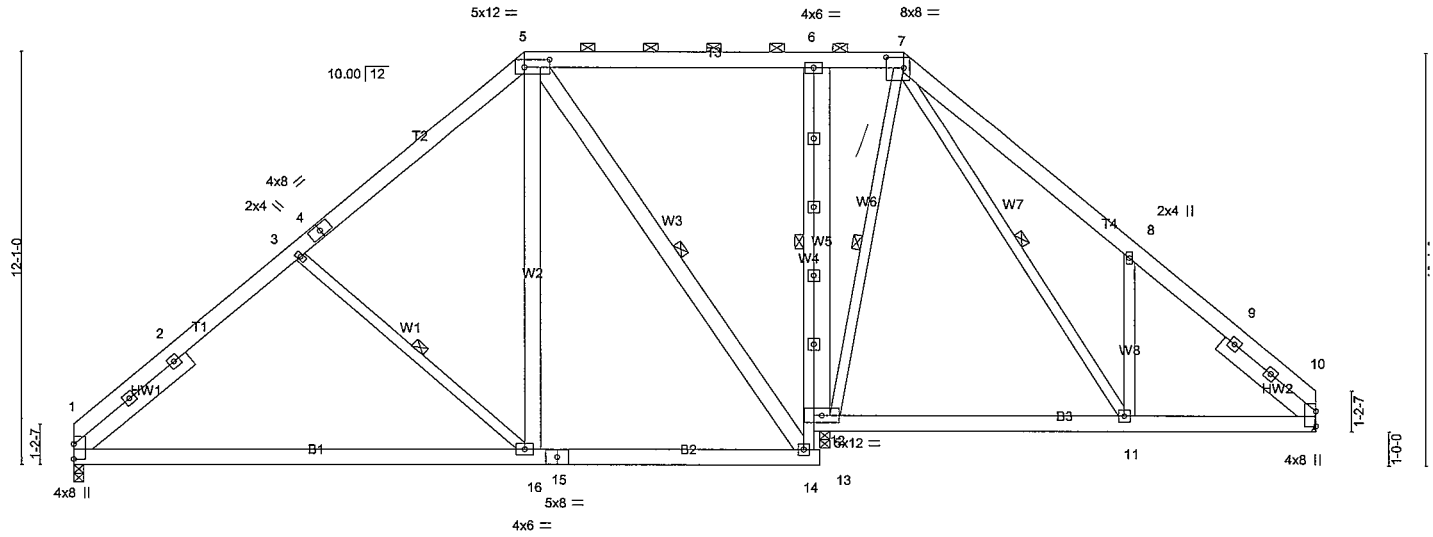
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	B1	PIGGYBACK BASE	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:12 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-cX3wlR?x_QWRIsWm4l1t1ImY?HMDYmBxVazDtGzfFbz

6-6-11	13-0-11	21-7-8	24-0-11	30-6-11	35-7-8	35-11-0
6-6-11	6-6-0	8-6-13	2-5-3	6-6-0	5-0-13	0-3-8

Scale: 3/16"=1'



13-0-11	21-7-8	21-9-4	30-6-11	35-11-0
13-0-11	8-6-13	0-1-12	8-9-7	5-4-5

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.28	1-16	>905	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.46	1-16	>552	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.10	11-12	>999	240	Weight: 357 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W2,W3,W5: 2x6 SP No.1
SLIDER Left 2x6 SP No.1 -x 4-3-8, Right 2x6 SP No.1 -x 3-5-13

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
2-0-0 oc purlins (10-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-16, 5-14, 6-14, 7-12, 7-11

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

REACTIONS. (lb/size) 10=531/Mechanical, 1=816/0-3-8 (min. 0-1-8), 12=1532/0-3-8 (min. 0-2-1)
Max Horz 1=277(LC 9)
Max Uplift10=-202(LC 8), 1=-71(LC 12), 12=-206(LC 9)
Max Grav 10=540(LC 24), 1=934(LC 19), 12=1763(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-978/331, 2-17=-867/339, 3-17=-795/364, 3-4=-734/324, 4-5=-667/370, 5-18=-301/342, 18-19=-301/343, 6-19=-301/343, 6-7=-296/337, 7-8=-897/876, 8-20=-580/618, 9-20=-614/604, 9-10=-705/584
BOT CHORD 1-21=-170/822, 21-22=-170/822, 16-22=-170/822, 15-16=-52/545, 15-23=-52/545, 14-23=-52/545, 10-11=-340/445
WEBS 3-16=-454/297, 5-16=-40/835, 5-14=-982/89, 8-11=-505/335, 12-14=-42/882, 6-12=-482/220, 7-12=-404/196, 7-11=-733/732

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 13-0-11, Exterior(2) 13-0-11 to 19-3-6, Interior(1) 19-3-6 to 24-0-11, Exterior(2) 24-0-11 to 30-6-12, Interior(1) 30-6-12 to 35-11-0 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 4x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	B1	PIGGYBACK BASE	2	1	Job Reference (optional)

NOTES-

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 10=202, 12=206.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

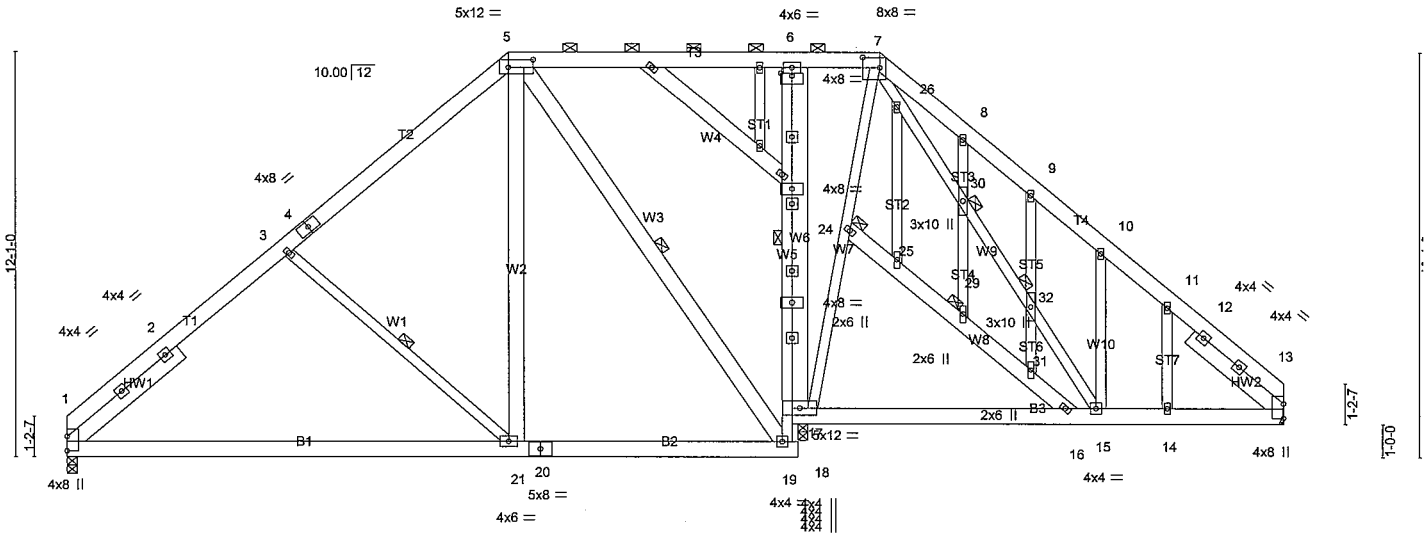
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	B1SG	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:13 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-4jdlyn0ZljeHw05zeSZ6ZVJjdhiSHDk5kEinPizfFby

6-6-11	13-0-11	21-7-8	24-0-11	30-6-11	35-7-8	35-11-0
6-6-11	6-6-0	8-6-13	2-5-3	6-6-0	5-0-13	0-3-8

Scale = 1:65.5



13-0-11	21-7-8	21-9-4	30-6-11	35-11-0
13-0-11	8-6-13	0-1-12	8-9-7	5-4-5

Plate Offsets (X,Y)-- [5:0-8-12,0-2-12], [7:0-6-0,0-3-12], [22:0-4-0,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.28	1-21	>905	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.46	1-21	>553	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.01	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.10	16-17	>999	240	Weight: 421 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x6 SP No.1 *Except* W1,W10,W5,W7,W9: 2x4 SP No.2
OTHERS	2x4 SP No.2
SLIDER	Left 2x6 SP No.1 -x 4-3-8, Right 2x6 SP No.1 -x 3-5-13

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 5-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-21, 5-19, 6-19
JOINTS	1 Brace at Jt(s): 24, 29, 30, 32

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

REACTIONS. (lb/size) 13=537/Mechanical, 1=820/0-3-8 (min. 0-1-8), 17=1522/0-3-8 (min. 0-1-15)
Max Horz 1=344(LC 9)
Max Uplift13=-276(LC 13), 1=-191(LC 12), 17=-379(LC 9)
Max Grav 13=546(LC 24), 1=925(LC 25), 17=1656(LC 2)

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

TOP CHORD	1-2=-966/389, 2-3=-864/423, 3-4=-726/374, 4-5=-672/421, 5-6=-309/419, 6-7=-304/412, 7-8=-895/996, 8-9=-830/881, 9-10=-807/849, 10-11=-633/692, 11-12=-591/626, 12-13=-621/603
BOT CHORD	1-33=-315/851, 33-34=-315/851, 21-34=-315/851, 20-21=-106/558, 20-35=-106/558, 19-35=-106/558, 14-15=-347/393, 13-14=-347/393
WEBS	3-21=-454/380, 5-21=-96/850, 5-19=-975/178, 10-15=-308/272, 17-19=-114/876, 6-17=-498/295, 17-24=-351/165, 7-24=-425/246, 7-26=-912/872, 26-30=-738/699, 30-32=-723/680, 15-32=-716/678

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch 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) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

NOTES-

8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=276, 1=191, 17=379.
11) This truss is designed in accordance with the 2015 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.

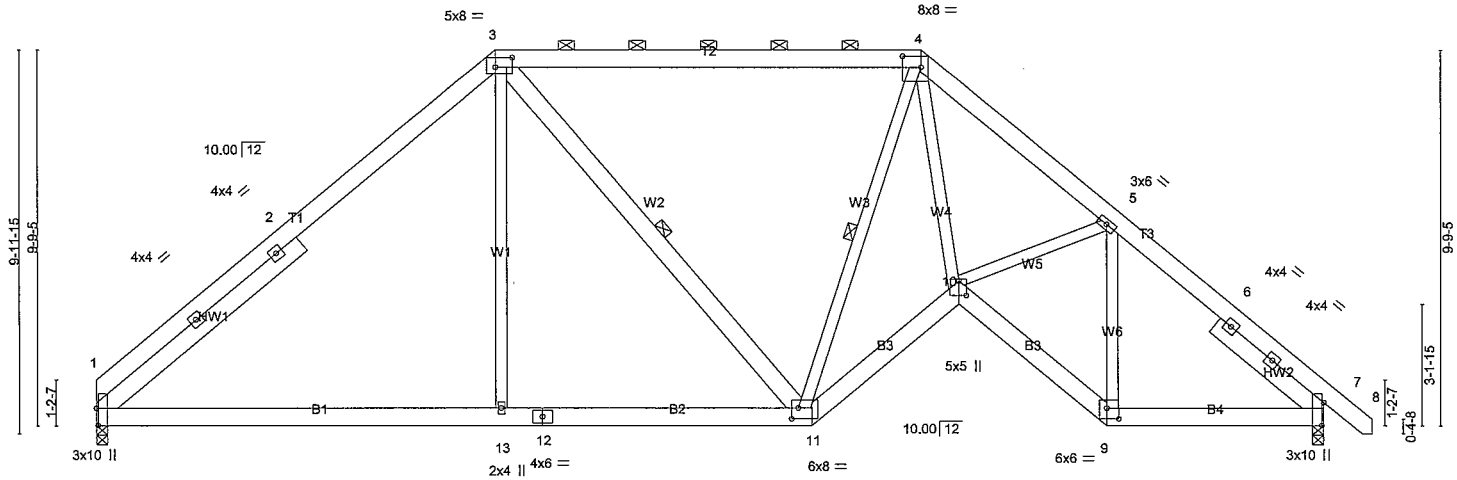
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	C1	PIGGYBACK BASE	3	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:15 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-06l3NT2qHLu?AKFLmtbaewOzrUShl8oOBYBtUazfFbw

10-3-8	21-3-8	26-0-8	31-3-8	32-10-0 / 31-7-0
10-3-8	11-0-0	4-9-0	5-3-0	0-3-8

1-3-0 — Scale = 1:57.0



10-3-8	18-5-8	22-3-0	26-0-8	31-7-0
10-3-8	8-2-0	3-9-8	3-9-8	5-6-8

Plate Offsets (X,Y)-- [1:0-5-8,Edge], [3:0-5-4,0-3-0], [4:0-5-12,0-3-8], [7:0-7-4,Edge], [9:0-3-12,0-3-8], [10:0-4-8,0-2-4], [11:0-2-0,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.08	11-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.16	1-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.11	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.04	1-13	>999	240	Weight: 275 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W2: 2x6 SP No.1
SLIDER Left 2x6 SP No.1 -x 6-9-8, Right 2x6 SP No.1 -x 3-6-2

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

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

REACTIONS. (lb/size) 1=1262/0-3-8 (min. 0-1-8), 7=1332/0-3-8 (min. 0-1-9)
Max Horz 1=-227(LC 10)
Max Uplift1=-33(LC 12), 7=-49(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-1496/330, 14-15=-1385/332, 2-15=-1373/333, 2-3=-1325/380, 3-16=-1009/413, 16-17=-1009/413, 4-17=-1009/413, 4-5=-2056/504, 5-18=-1427/391, 18-19=-1486/375, 6-19=-1517/373, 6-7=-1622/362
BOT CHORD 1-13=-86/1053, 12-13=-84/1059, 12-20=-84/1059, 11-20=-84/1060, 10-11=-89/1709, 9-10=-216/1371, 7-9=-162/1088
WEBS 3-13=0/424, 4-11=-1015/105, 4-10=-170/1747, 5-10=-77/588, 5-9=-733/176

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 10-3-8, Exterior(2) 10-3-8 to 16-6-3, Interior(1) 16-6-3 to 21-3-8, Exterior(2) 21-3-8 to 27-6-3, Interior(1) 27-6-3 to 32-8-6 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

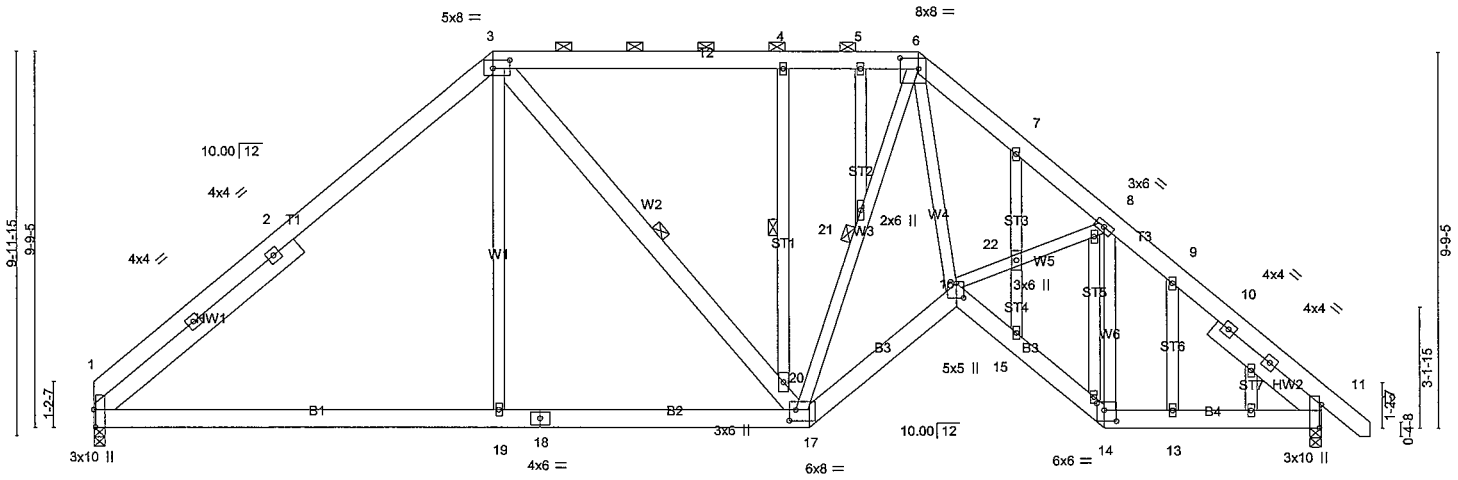
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	C1SG	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:16 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-UlJRbp2S2e0snUqYJa6pB8xAWuouUb4XQCxR01zfFbv

10-3-8	21-3-8	26-0-8	31-3-8	32-10-0 / 31-7-0
10-3-8	11-0-0	4-9-0	5-3-0	0-3-8

1-3-0 Scale = 1:57.0



10-3-8	18-5-8	22-3-0	26-0-8	31-7-0
10-3-8	8-2-0	3-9-8	3-9-8	5-6-8

Plate Offsets (X,Y)-- [1:0-5-8,Edge], [3:0-5-4,0-2-12], [6:0-5-12,0-3-8], [11:0-7-4,Edge], [14:0-3-12,0-3-8], [16:0-4-8,0-2-4], [17:0-2-0,0-3-8], [23:0-2-0,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	-0.08	17-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.16	1-19	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.11	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.06	1-19	>999	240	Weight: 313 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W2: 2x6 SP No.1
OTHERS 2x4 SP No.2
SLIDER Left 2x6 SP No.1 -x 6-9-8, Right 2x6 SP No.1 -x 3-6-2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-0 oc purlins, except
2-0-0 oc purlins (6-0-0 max.): 3-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-17, 4-20
JOINTS 1 Brace at Jt(s): 21

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

REACTIONS. (lb/size) 1=1262/0-3-8 (min. 0-1-8), 11=1332/0-3-8 (min. 0-1-9)
Max Horz 1=-283(LC 10)
Max Uplift1=-187(LC 12), 11=-220(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1490/386, 2-3=-1313/430, 3-4=-1061/494, 4-5=-1061/495, 5-6=-1060/495, 6-7=-1992/618, 7-8=-2063/538, 8-9=-1475/498, 9-10=-1540/430, 10-11=-1650/412
BOT CHORD 1-19=-214/1025, 18-19=-212/1031, 18-27=-212/1031, 17-27=-212/1031, 16-17=-195/1668, 15-16=-256/1413, 14-15=-230/1367, 13-14=-190/1107, 11-13=-189/1107
WEBS 3-19=0/425, 17-21=-811/0, 6-21=-652/0, 6-16=-259/1778, 16-22=-159/587, 8-22=-147/565, 8-14=-738/105, 4-20=-305/241

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	C1SG	GABLE	1	1	Job Reference (optional)

NOTES-

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=187, 11=220.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

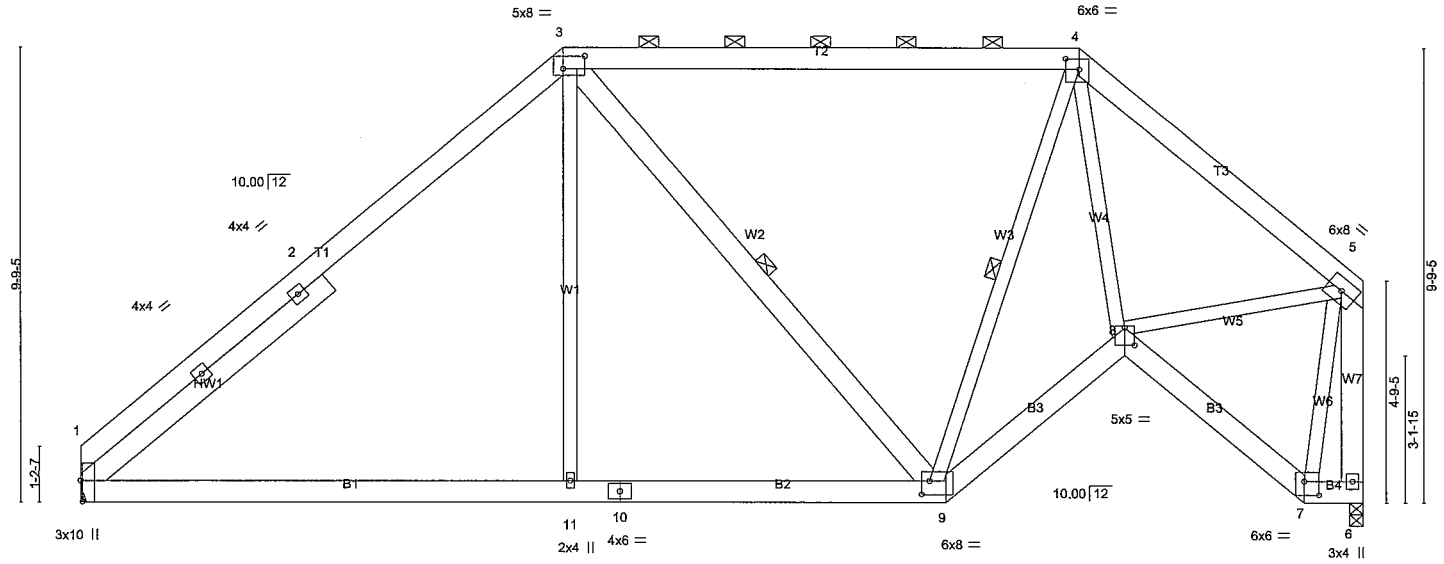
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	C2	PIGGYBACK BASE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:17 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-zUtpo934oy8jPdOktld2kLTJvI8KD5vgfsg_YTzfFbu

10-3-8	21-3-8	27-0-0	27-3-8
10-3-8	11-0-0	5-8-8	0-3-8

Scale = 1:47.2



10-3-8	18-5-8	22-3-0	26-0-8	27-3-8
10-3-8	8-2-0	3-9-8	3-9-8	1-3-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.07	1-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.15	1-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.04	1-11	>999	240	Weight: 249 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W2,W7: 2x6 SP No.1
SLIDER Left 2x6 SP No.1 -x 6-9-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-11 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-9, 4-9

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

REACTIONS. (lb/size) 1=1082/Mechanical, 6=1088/0-3-8 (min. 0-1-8)
Max Horz 1=218(LC 9)
Max Uplift1=-28(LC 12), 6=-10(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-1240/251, 12-13=-1133/253, 2-13=-1122/254, 2-3=-1081/300, 3-14=-663/315, 14-15=-663/315, 4-15=-663/315, 4-16=-958/342, 5-16=-1162/316, 5-6=-1050/266
BOT CHORD 1-11=-177/850, 10-11=-175/856, 10-17=-175/856, 9-17=-175/856, 8-9=-200/997
WEBS 3-11=0/429, 3-9=-330/103, 4-9=-399/114, 4-8=-39/498, 5-8=-150/846

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 10-3-8, Exterior(2) 10-3-8 to 16-6-3, Interior(1) 16-6-3 to 21-3-8, Exterior(2) 21-3-8 to 27-1-14 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

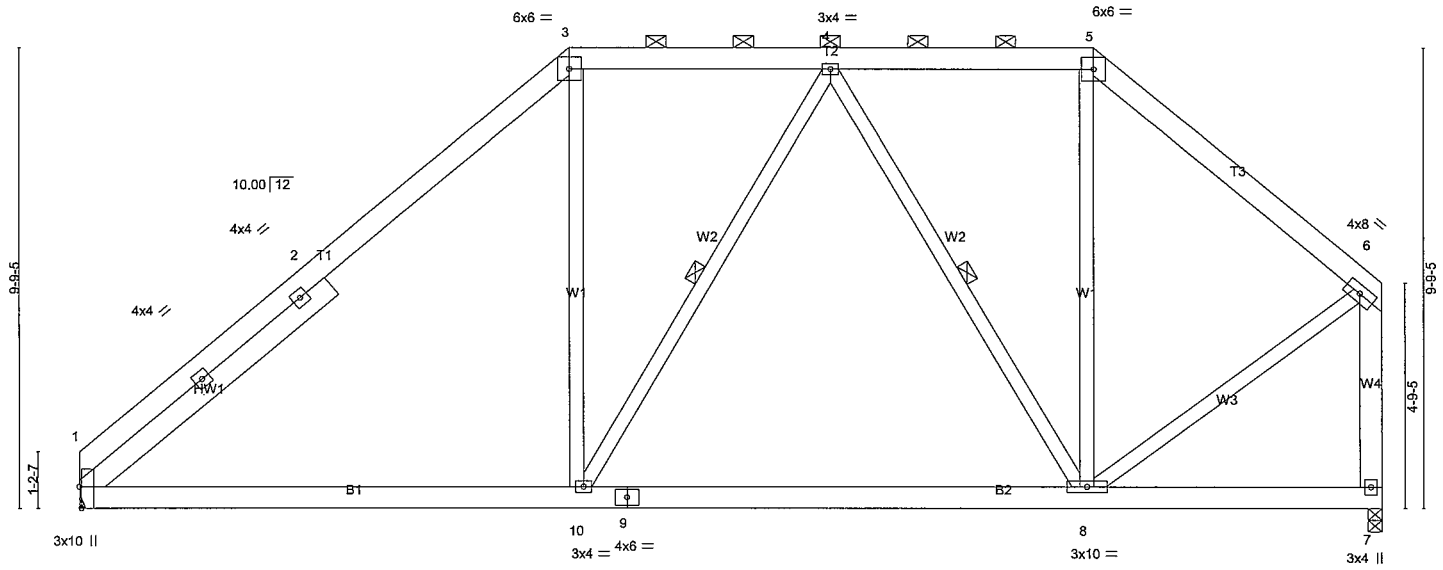
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	C3	PIGGYBACK BASE	5	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:17 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-zUtpo934oy8jPdOktId2kLTLMl6pD5Tgfsg_YTzfFbu

10-3-8	15-9-8	21-3-8	27-0-0	27-3-8
10-3-8	5-6-0	5-6-0	5-8-8	0-3-8

Scale = 1:46.5



10-3-8	21-3-8	27-3-8
10-3-8	11-0-0	6-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	-0.20	8-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.26	8-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.04	1-10	>999	240	Weight: 233 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W4: 2x6 SP No.1
SLIDER Left 2x6 SP No.1 -x 6-9-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-10 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-10, 4-8

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

REACTIONS. (lb/size) 1=1082/Mechanical, 7=1082/0-3-8 (min. 0-1-8)
Max Horz 1=218(LC 9)
Max Uplift1=-27(LC 12), 7=-9(LC 13)
Max Grav 1=1082(LC 1), 7=1104(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-1264/244, 11-12=-1157/247, 2-12=-1146/248, 2-3=-1093/293, 3-13=-843/378, 4-13=-842/378, 4-14=-619/294, 5-14=-621/294, 5-15=-753/273, 6-15=-894/250, 6-7=-1111/302
BOT CHORD 1-10=-173/864, 9-10=-166/805, 9-16=-166/805, 16-17=-166/805, 8-17=-166/805
WEBS 3-10=-10/409, 4-8=-454/157, 5-8=0/283, 6-8=-86/758

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 10-3-8, Exterior(2) 10-3-8 to 16-6-3, Interior(1) 16-6-3 to 21-3-8, Exterior(2) 21-3-8 to 27-0-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

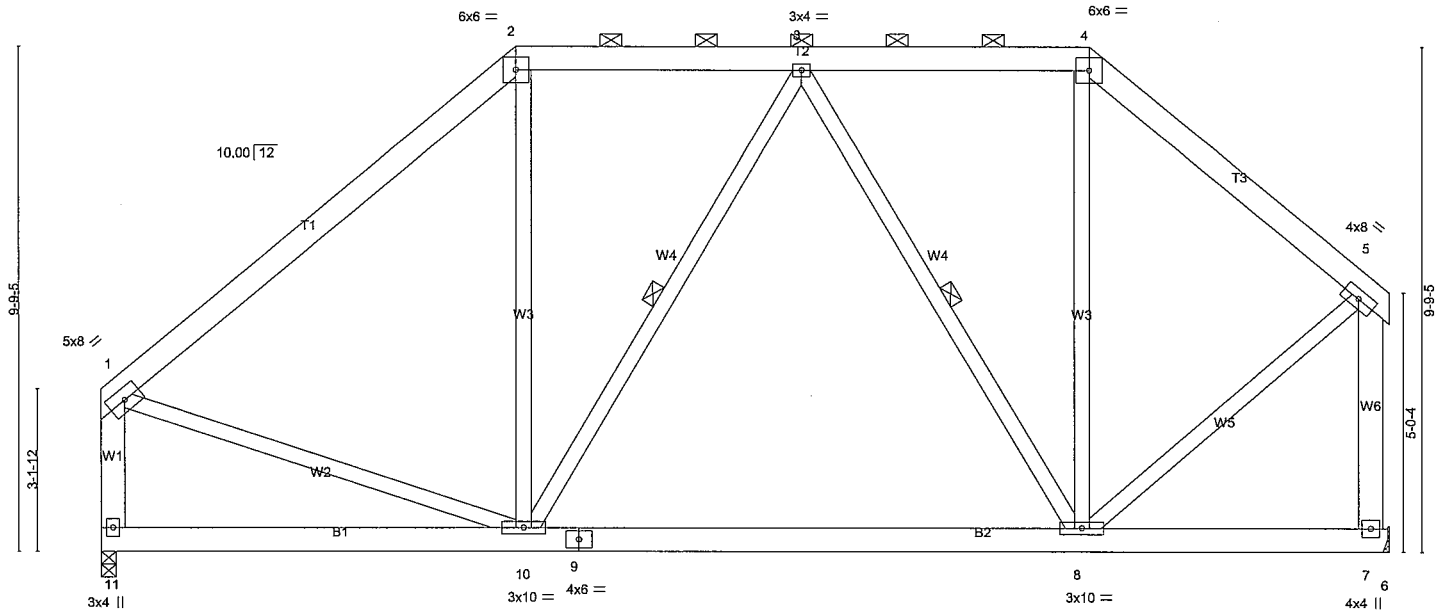
Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	C4	PIGGYBACK BASE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:18 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-RhRB?U4iZGGa1nzwR?8HGZ0adiS9yZaqtWQY5vzfFbt

7-11-8	13-5-8	18-11-8	24-4-8	24-8-0
7-11-8	5-6-0	5-6-0	5-5-0	0-3-8

Scale = 1:42.4



7-11-8	18-11-8	24-8-0
7-11-8	11-0-0	5-8-8

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	-0.19	8-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.25	8-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.01	8-10	>999	240	Weight: 222 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W1,W6: 2x6 SP No.1

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

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

REACTIONS. (lb/size) 11=963/0-3-8 (min. 0-1-8), 7=970/Mechanical
Max Horz 11=153(LC 9)
Max Uplift11=-11(LC 12), 7=-3(LC 13)
Max Grav 11=964(LC 2), 7=997(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-952/209, 12-13=-827/226, 2-13=-810/257, 2-14=-638/310, 3-14=-636/310, 3-15=-522/265, 4-15=-524/265, 4-16=-620/240, 5-16=-761/219, 1-11=-933/258, 5-7=-1014/272
BOT CHORD 9-10=-138/658, 9-17=-138/658, 17-18=-138/658, 8-18=-138/658
WEBS 2-10=-2/263, 1-10=-19/627, 5-8=-74/685, 3-8=-347/141

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-2-12 to 4-7-9, Interior(1) 4-7-9 to 7-11-8, Exterior(2) 7-11-8 to 14-2-3, Interior(1) 14-2-3 to 18-11-8, Exterior(2) 18-11-8 to 24-3-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 7.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	D1	COMMON	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:19 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-vt_ZDq5KKZORexY6?jfWpmZl76omhyJz6A95dMzfFbs

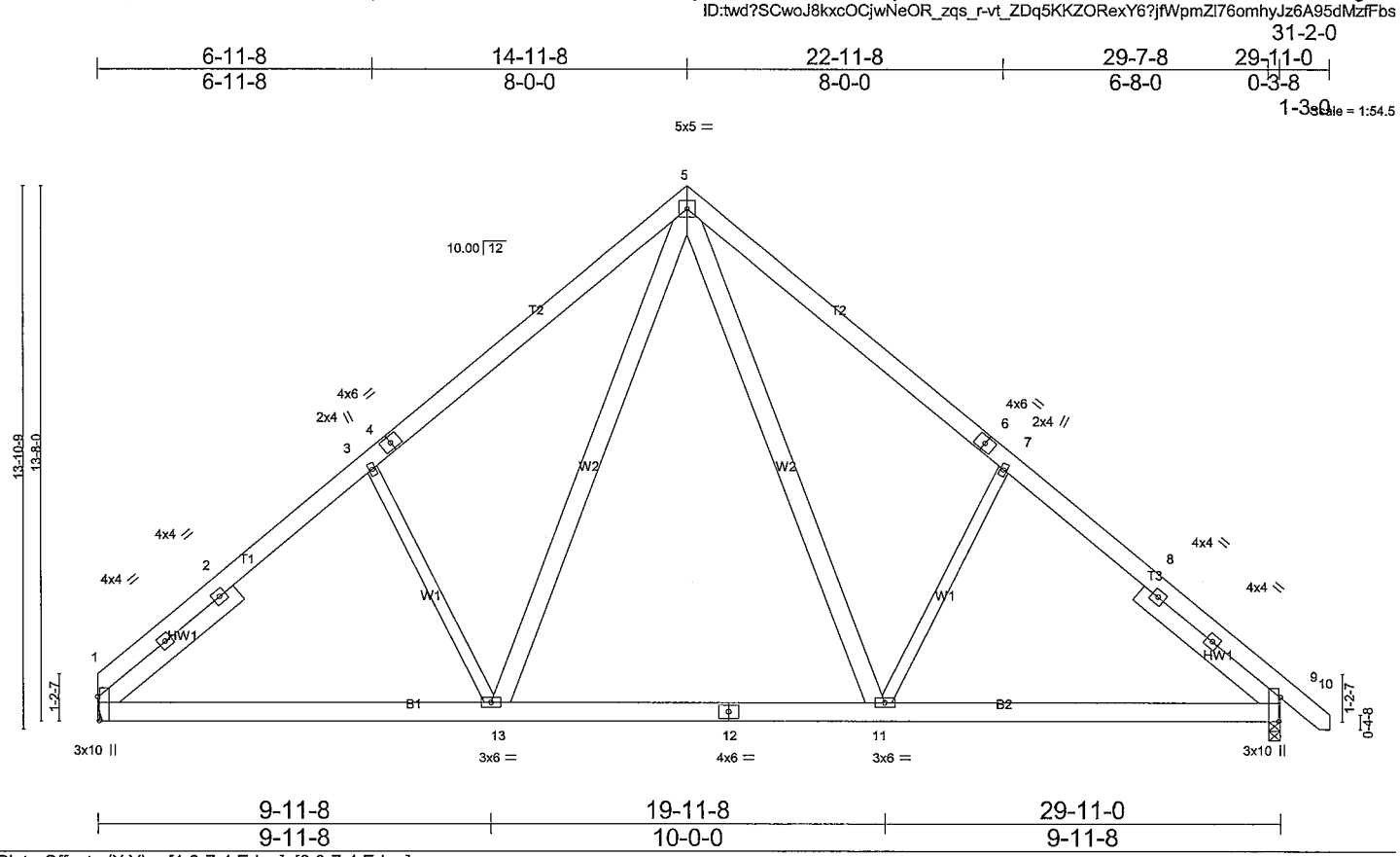


Plate Offsets (X,Y)-- [1:0-7-4,Edge], [9:0-7-4,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.10	11-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.15	1-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.02	13	>999	240	Weight: 271 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x6 SP No.1 *Except*
W1: 2x4 SP No.2
SLIDER Left 2x6 SP No.1 -x 4-6-9, Right 2x6 SP No.1 -x 4-6-9

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-8 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=1195/Mechanical, 9=1265/0-3-8 (min. 0-1-12)
Max Horz 1=-319(LC 8)
Max Uplift1=-49(LC 12), 9=-65(LC 13)
Max Grav 1=1415(LC 19), 9=1479(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1748/308, 2-14=-1632/318, 3-14=-1596/345, 3-4=-1586/419, 4-15=-1567/448, 5-15=-1450/482, 5-16=-1447/471, 6-16=-1564/437, 6-7=-1583/409, 7-8=-1631/338, 8-9=-1746/300
BOT CHORD 1-17=-117/1416, 17-18=-117/1416, 13-18=-117/1416, 13-19=0/945, 12-19=0/945, 12-20=0/945, 11-20=0/945, 11-21=-98/1236, 21-22=-98/1236, 9-22=-98/1236
WEBS 5-11=-186/861, 7-11=-481/335, 5-13=-189/866, 3-13=-479/337

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 14-11-8, Exterior(2) 14-11-8 to 19-4-5, Interior(1) 19-4-5 to 31-0-6 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9.
7) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	D1SG	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

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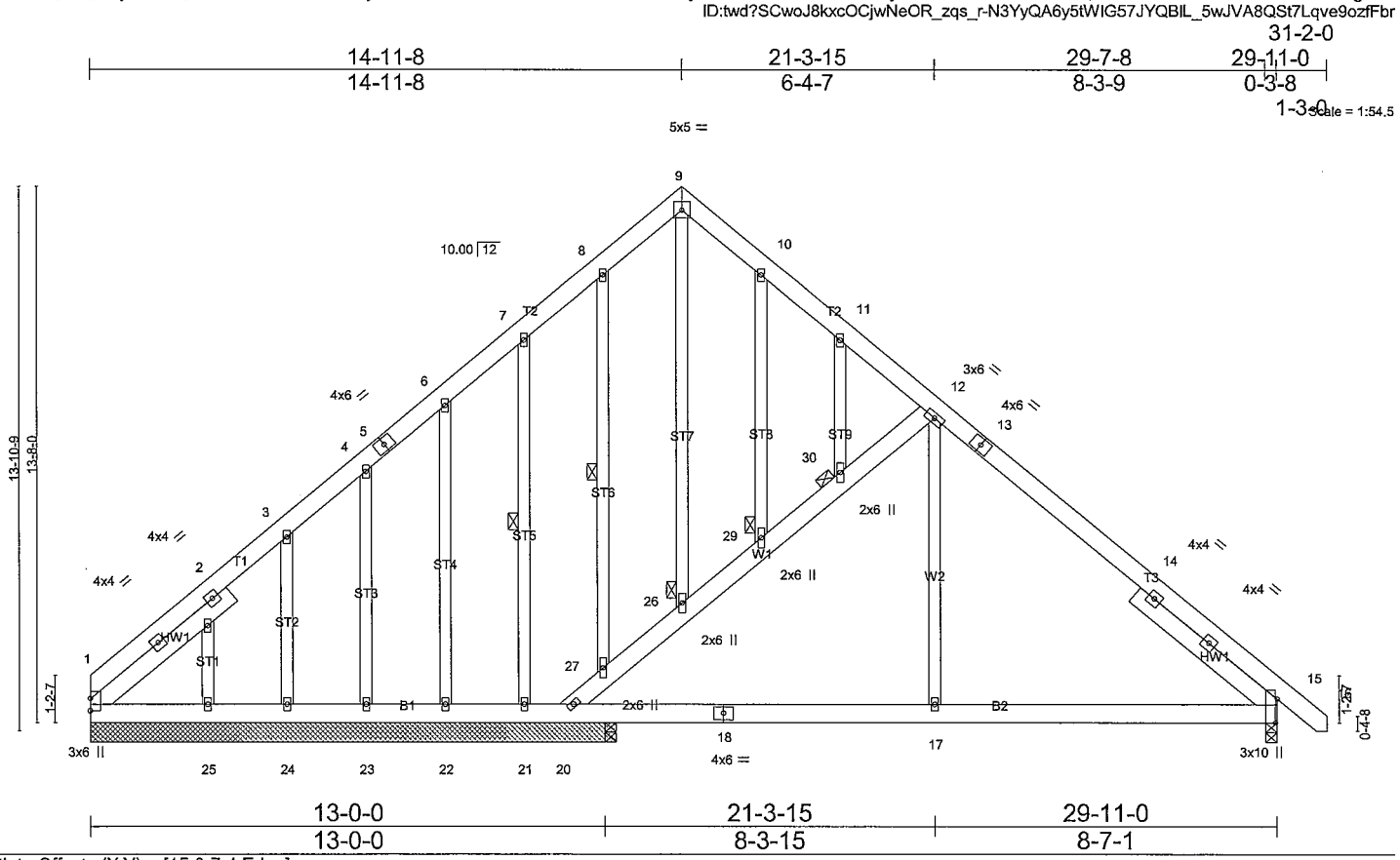

Plate Offsets (X,Y)-- [15:0-7-4,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	-0.04	15-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.32	Vert(CT)	-0.08	15-17	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.01	15	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.03	15-17	>999	240	Weight: 316 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x6 SP No.1 *Except*
	W2: 2x4 SP No.2
OTHERS	2x4 SP No.2
SLIDER	Left 2x6 SP No.1 -x 4-6-9, Right 2x6 SP No.1 -x 4-6-9

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.
WEBS	1 Row at midpt 8-27, 7-21
JOINTS	1 Brace at Jt(s): 26, 29, 30

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

REACTIONS. All bearings 13-3-8 except (jt=length) 15=0-3-8, 19=0-3-8.
(lb) - Max Horz 1=-399(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 21, 23, 25 except 15=-122(LC 13), 20=-354(LC 13), 22=-122(LC 12), 24=-327(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 22, 23, 25 except 1=413(LC 21), 15=1033(LC 20), 20=327(LC 20), 21=293(LC 19), 24=324(LC 19), 19=378(LC 18)

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

TOP CHORD	1-2=-544/212, 2-3=-487/239, 3-4=-347/92, 4-5=-317/78, 5-6=-286/90, 6-7=-293/91, 7-8=-279/137, 8-9=-256/181, 9-10=-251/184, 10-11=-250/111, 11-12=-362/126, 12-13=-817/114, 13-14=-921/77, 14-15=-1048/75
BOT CHORD	1-25=-244/458, 24-25=-244/458, 23-24=-244/458, 22-23=-244/458, 21-22=-244/458, 20-21=-244/458, 19-20=0/712, 18-19=0/712, 18-31=0/712, 17-31=0/712, 17-32=0/712, 15-32=0/712
WEBS	20-27=-860/391, 26-27=-836/376, 26-29=-894/433, 29-30=-833/371, 12-30=-852/405, 12-17=0/622, 3-24=-385/363

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	D1SG	GABLE	1	1	Job Reference (optional)

NOTES-

7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 21, 23, 25 except (jt=lb) 15=122, 20=354, 22=122, 24=327.
9) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	E1	COMMON	3	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

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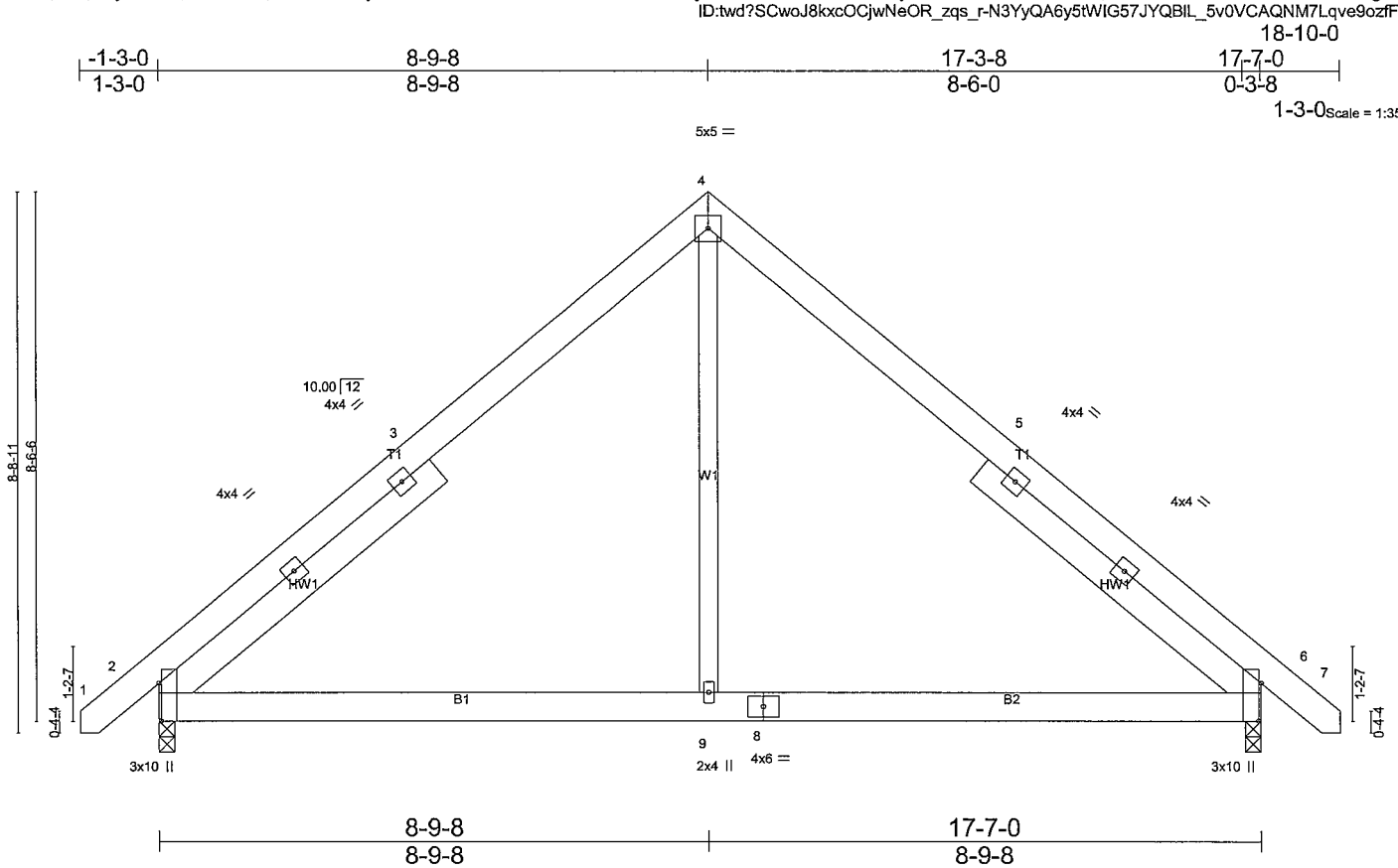

Plate Offsets (X,Y)-- [2:0-7-4,Edge], [6:0-7-4,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	0.07	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.26	Vert(CT)	-0.06	2-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 141 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.1 -x 5-8-11, Right 2x6 SP No.1 -x 5-8-11

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) 6=770/0-3-0 (min. 0-1-8), 2=770/0-3-0 (min. 0-1-8)
Max Horz 2=198(LC 11)
Max Uplift6=-94(LC 8), 2=-94(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-764/597, 3-10=-614/599, 3-4=-566/644, 4-5=-566/644, 5-11=-614/599, 6-11=-764/597
BOT CHORD 2-9=-277/435, 8-9=-277/435, 6-8=-277/435
WEBS 4-9=-517/408

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-1-4 to 3-3-9, Interior(1) 3-3-9 to 8-9-8, Exterior(2) 8-9-8 to 13-2-5, Interior(1) 13-2-5 to 18-8-4 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2.
6) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	E1GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

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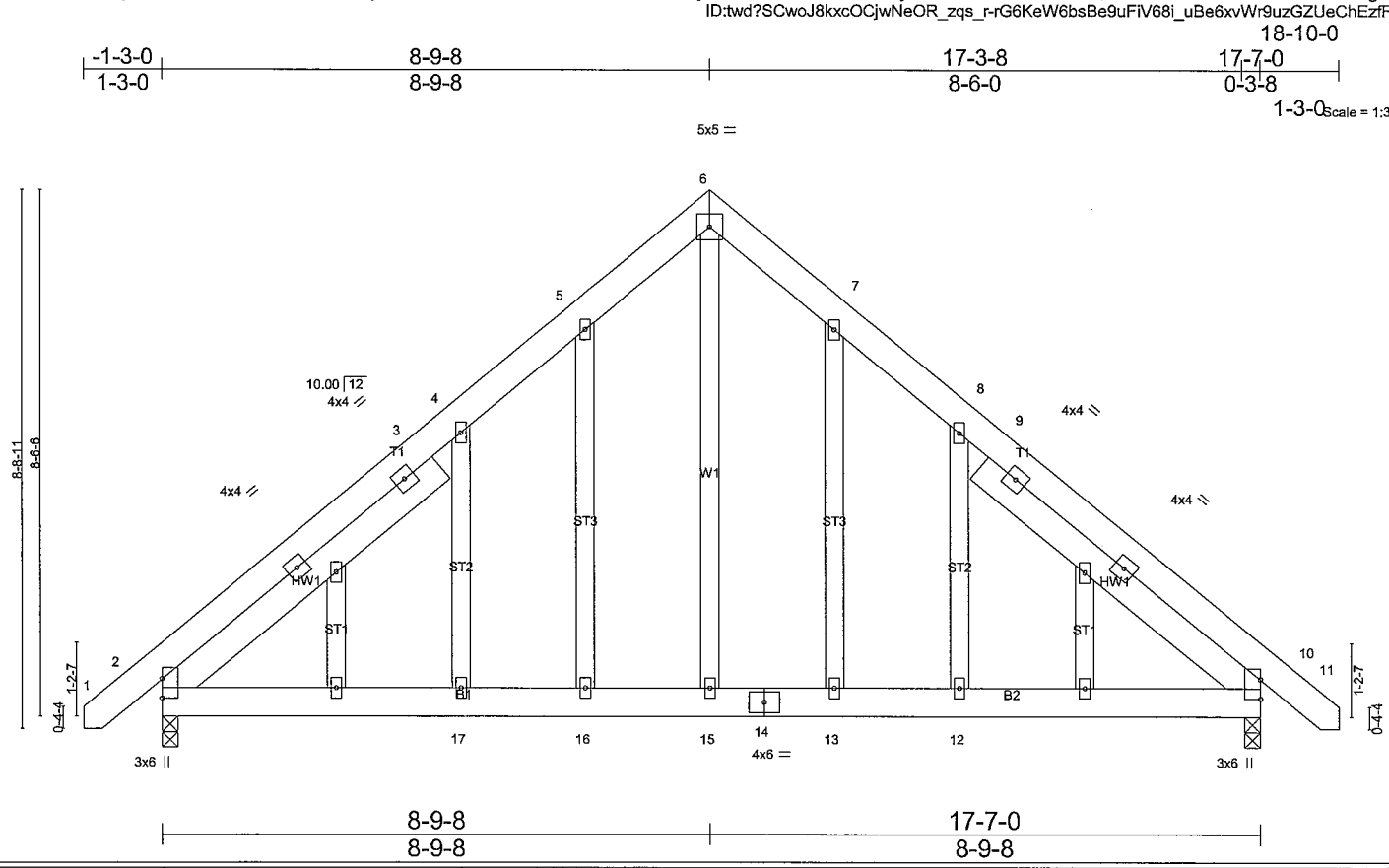

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	-0.05	17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.07	17	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.05	17	>999	240	Weight: 177 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2
SLIDER Left 2x6 SP No.1 -x 5-8-11, Right 2x6 SP No.1 -x 5-8-11

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) 10=770/0-3-0 (min. 0-1-8), 2=770/0-3-0 (min. 0-1-8)
Max Horz 2=198(LC 11)
Max Uplift10=-43(LC 13), 2=-43(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-733/127, 3-4=-580/146, 4-5=-622/251, 5-6=-674/329, 6-7=-674/329, 7-8=-622/251, 8-9=-580/146, 9-10=-733/127
BOT CHORD 2-17=0/474, 16-17=0/474, 15-16=0/474, 14-15=0/474, 13-14=0/474, 12-13=0/474, 10-12=0/474
WEBS 6-15=-253/557

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Corner(3) -1-1-4 to 3-3-9, Exterior(2) 3-3-9 to 8-9-8, Corner(3) 8-9-8 to 13-2-5, Exterior(2) 13-2-5 to 18-8-4 zone;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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 2.
9) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	E1-GR	COMMON	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

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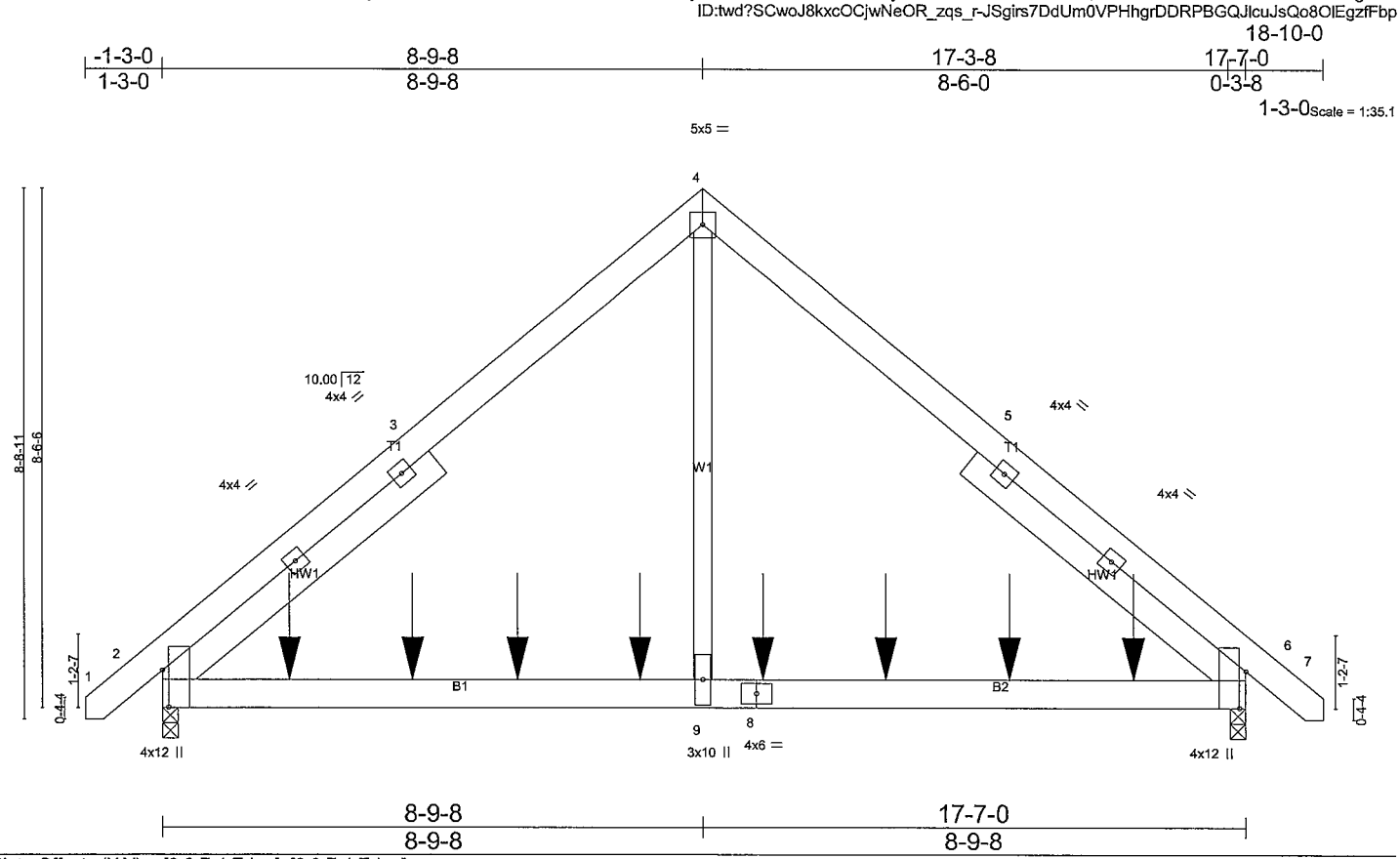

Plate Offsets (X,Y)-- [2:0-7-4,Edge], [6:0-7-4,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.18	2-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.20	2-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(CT)	-0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 282 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.1 -x 5-8-11, Right 2x6 SP No.1 -x 5-8-11

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

REACTIONS. (lb/size) 6=1560/0-3-0 (min. 0-1-8), 2=2004/0-3-0 (min. 0-1-8)
Max Horz 2=198(LC 7)
Max Uplift6=-1283(LC 9), 2=-1200(LC 8)
Max Grav 6=1657(LC 41), 2=2004(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1717/1233, 3-4=-1564/1300, 4-5=-1547/1298, 5-6=-1736/1231
BOT CHORD 2-10=-953/1235, 10-11=-953/1235, 11-12=-953/1235, 12-13=-953/1235, 9-13=-953/1235, 8-9=-953/1235, 8-14=-953/1235, 14-15=-953/1235, 15-16=-953/1235, 6-16=-953/1235
WEBS 4-9=-1561/1609

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=1283, 2=1200.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2

NOTES-

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 520 lb down and 222 lb up at 2-0-12, 520 lb down and 222 lb up at 4-0-12, 322 lb down and 448 lb up at 5-9-4, 251 lb down and 314 lb up at 7-9-4, 251 lb down and 314 lb up at 9-9-4, 251 lb down and 314 lb up at 11-9-4, and 251 lb down and 314 lb up at 13-9-4, and 251 lb down and 314 lb up at 15-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-4=-60, 4-7=-60, 2-6=-20
   Concentrated Loads (lb)
      Vert: 8=-168(F) 10=-520(F) 11=-520(F) 12=-144(F) 13=-168(F) 14=-168(F) 15=-168(F) 16=-168(F)

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	G1	ATTIC	3	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

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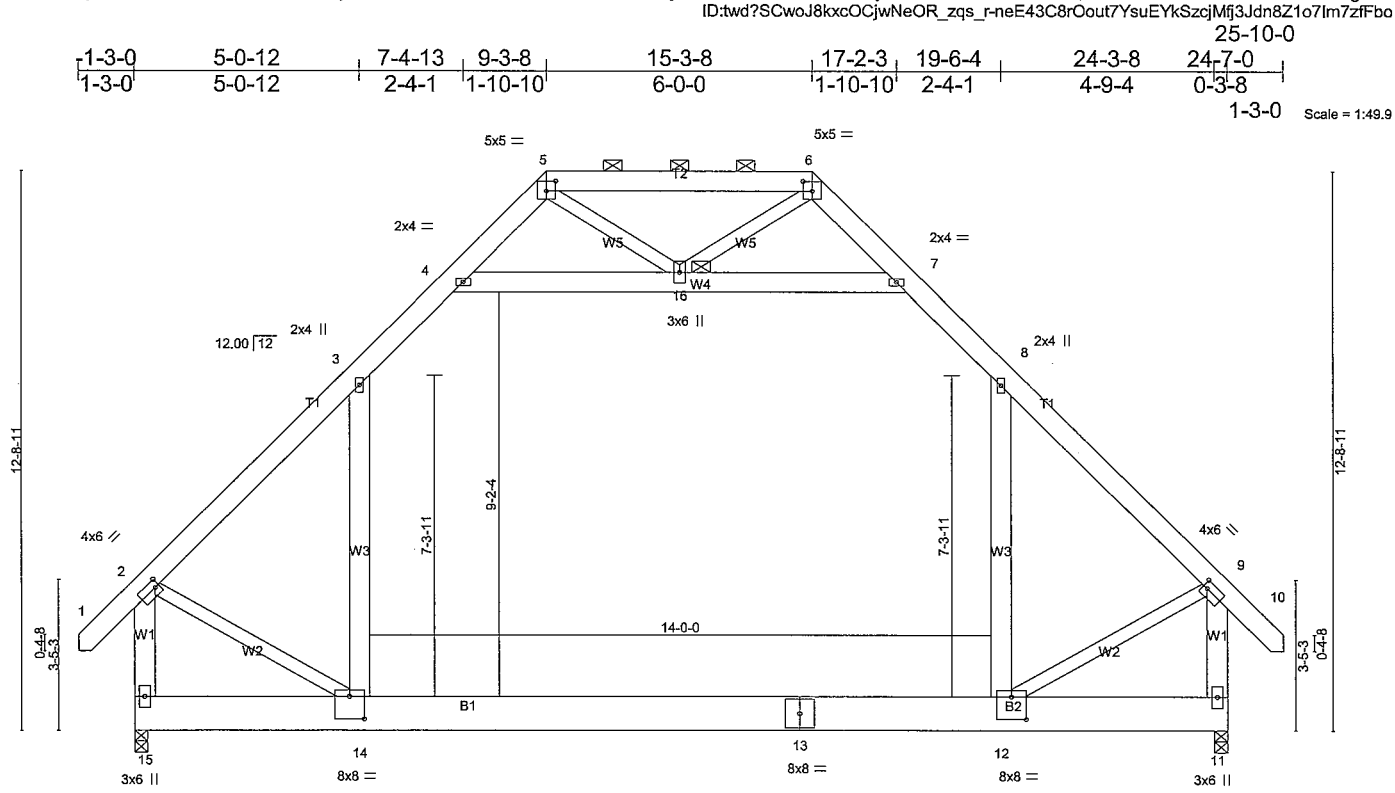

Plate Offsets (X,Y)-- [2:0-1-4,0-2-0], [5:0-2-8,0-2-12], [6:0-2-8,0-2-12], [9:0-1-4,0-2-0], [12:0-4-0,0-6-4], [14:0-4-0,0-6-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.27	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.43	12-14	>676	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.08	12-14	>999	240	Weight: 277 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1 *Except*
W2,W5: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-2 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 7-6-1 oc bracing.
JOINTS 1 Brace at Jt(s): 16

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

REACTIONS. (lb/size) 15=1413/0-3-8 (min. 0-2-0), 11=1413/0-3-8 (min. 0-2-0)
Max Horz 15=353(LC 11)
Max Grav 15=1712(LC 2), 11=1712(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-1670/3, 3-17=-1516/22, 3-4=-1068/195, 4-5=-413/156, 5-6=-285/108, 6-7=-413/155, 7-8=-1068/194, 8-18=-1515/21, 9-18=-1669/1, 2-15=-1977/45, 9-11=-1978/44
BOT CHORD 14-15=-327/382, 13-14=0/1096, 12-13=0/1096
WEBS 3-14=-42/696, 4-16=-1132/119, 7-16=-1132/116, 8-12=-42/696, 2-14=0/1208, 9-12=0/1210

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-1-6 to 3-3-7, Interior(1) 3-3-7 to 9-3-8, Exterior(2) 9-3-8 to 21-6-3, Interior(1) 21-6-3 to 25-8-6 zone; 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (10.0 psf) on member(s). 3-4, 7-8, 4-16, 7-16; Wall dead load (5.0psf) on member(s).3-14, 8-12
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	G1-GR	ATTIC	2	3	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:24 2022 Page 1
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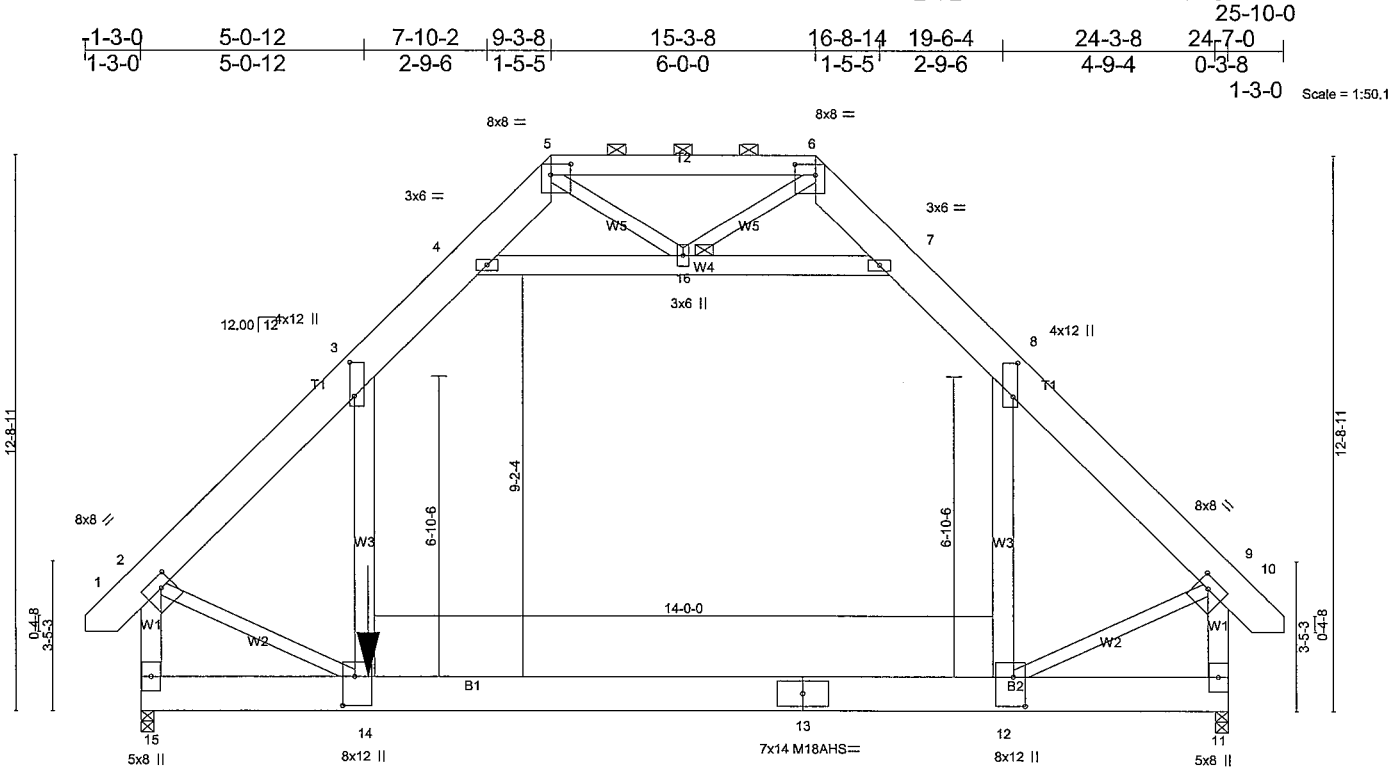

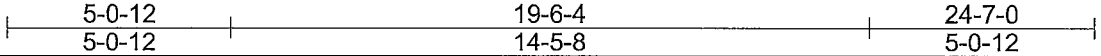

Plate Offsets (X,Y)-- [2:0-3-4,0-3-0], [3:0-9-4,0-1-4], [5:0-5-8,0-3-0], [6:0-5-8,0-3-0], [8:0-9-4,0-1-4], [9:0-3-4,0-3-0], [12:0-8-0,0-3-4], [14:0-8-0,0-3-4]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.62	Vert(LL)	-0.27	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.39	12-14	>744	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.50	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.08	12-14	>999	240	Weight: 954 lb	FT = 20%

LUMBER-
TOP CHORD 2x10 SP 2400F 2.0E *Except*
T2: 2x6 SP No.1
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x6 SP No.1 *Except*
W2,W5: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 16

REACTIONS. (lb/size) 15=5753/0-3-8 (min. 0-2-13), 11=3007/0-3-8 (min. 0-1-10)
Max Horz 15=248(LC 7)
Max Grav 15=10152(LC 16), 11=5991(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-8223/0, 3-4=-3123/0, 4-5=0/1152, 5-6=0/1925, 6-7=0/1428, 7-8=-4103/0, 8-9=-6595/0, 2-15=-9287/0, 9-11=-7413/0
BOT CHORD 14-15=-290/765, 13-14=0/4684, 12-13=0/4684
WEBS 3-14=0/7003, 4-16=-5769/0, 7-16=-7716/0, 8-12=0/3735, 2-14=0/4676, 9-12=0/5583, 5-16=-1094/290, 6-16=-144/1569

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x6 - 3 rows staggered at 0-4-0 oc, Except member 4-7 2x6 - 2 rows staggered at 0-9-0 oc, member 8-12 2x6 - 2 rows staggered at 0-9-0 oc, 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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Ceiling dead load (10.0 psf) on member(s). 3-4, 7-8, 4-16, 7-16; Wall dead load (5.0psf) on member(s).3-14, 8-12
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14

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NOTES-

11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 8810 lb down and 537 lb up at 5-1-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
15) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-60, 2-3=-60, 3-4=-80, 4-5=-60, 5-6=-60, 6-7=-60, 7-8=-80, 8-9=-60, 9-10=-60, 14-15=-20, 12-14=-85(F=-45), 11-12=-85(F=-65), 4-7=-20
   Drag: 3-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=-5000(F)
2) Dead + 0.75 Roof Live (balanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-50, 2-3=-50, 3-4=-70, 4-5=-50, 5-6=-50, 6-7=-50, 7-8=-70, 8-9=-50, 9-10=-50, 14-15=-20, 12-14=-280(F=-180), 11-12=-280(F=-260), 4-7=-20
   Drag: 3-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=-8125(F)
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-20, 2-3=-20, 3-4=-40, 4-5=-20, 5-6=-20, 6-7=-20, 7-8=-40, 8-9=-20, 9-10=-20, 14-15=-40, 12-14=-85(F=-45), 11-12=-105(F=-65), 4-7=-20
   Drag: 3-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=-3750(F)
4) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=2, 2-3=-13, 3-4=-25, 4-5=-13, 5-6=21, 6-7=11, 7-8=-1, 8-9=11, 9-10=4, 14-15=-12, 12-14=-69(F=-45), 11-12=-77(F=-65), 4-7=-12
   Horz: 1-2=-14, 2-5=1, 6-9=23, 9-10=16
   Drag: 3-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=537(F)
5) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=4, 2-3=11, 3-4=-1, 4-5=11, 5-6=21, 6-7=-13, 7-8=-25, 8-9=-13, 9-10=2, 14-15=-12, 12-14=-69(F=-45), 11-12=-77(F=-65), 4-7=-12
   Horz: 1-2=-16, 2-5=-23, 6-9=-1, 9-10=14
   Drag: 3-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=537(F)
6) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-28, 2-3=-35, 3-4=-55, 4-5=-35, 5-6=-1, 6-7=-11, 7-8=-31, 8-9=-11, 9-10=-4, 14-15=-20, 12-14=-85(F=-45), 11-12=-85(F=-65), 4-7=-20
   Horz: 1-2=8, 2-5=15, 6-9=9, 9-10=16
   Drag: 3-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=-3413(F)
7) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-4, 2-3=-11, 3-4=-31, 4-5=-11, 5-6=-1, 6-7=-35, 7-8=-55, 8-9=-35, 9-10=-28, 14-15=-20, 12-14=-85(F=-45), 11-12=-85(F=-65), 4-7=-20
   Horz: 1-2=-16, 2-5=-9, 6-9=-15, 9-10=-8
   Drag: 3-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=-3413(F)
8) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=14, 2-3=21, 3-4=9, 4-5=21, 5-6=9, 6-7=9, 7-8=-3, 8-9=9, 9-10=2, 14-15=-12, 12-14=-69(F=-45), 11-12=-77(F=-65)
   , 4-7=-12
   Horz: 1-2=-26, 2-5=-33, 6-9=21, 9-10=14
   Drag: 3-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=537(F)
9) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=2, 2-3=9, 3-4=-3, 4-5=9, 5-6=9, 6-7=21, 7-8=9, 8-9=21, 9-10=14, 14-15=-12, 12-14=-69(F=-45), 11-12=-77(F=-65)
   , 4-7=-12
   Horz: 1-2=-14, 2-5=-21, 6-9=33, 9-10=26
   Drag: 3-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=537(F)
10) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=14, 2-3=21, 3-4=9, 4-5=21, 5-6=9, 6-7=9, 7-8=-3, 8-9=9, 9-10=2, 14-15=-12, 12-14=-69(F=-45),
   11-12=-77(F=-65), 4-7=-12
   Horz: 1-2=-26, 2-5=-33, 6-9=21, 9-10=14
   Drag: 3-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=537(F)
11) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60

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LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-2=2, 2-3=9, 3-4=-3, 4-5=9, 5-6=9, 6-7=21, 7-8=9, 8-9=21, 9-10=14, 14-15=-12, 12-14=-69(F=-45), 11-12=-77(F=-65), 4-7=-12
Horz: 1-2=-14, 2-5=-21, 6-9=33, 9-10=26
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=537(F)
12) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=6, 2-3=-1, 3-4=-21, 4-5=-1, 5-6=-13, 6-7=-13, 7-8=-33, 8-9=-13, 9-10=-6, 14-15=-20, 12-14=-85(F=-45), 11-12=-85(F=-65), 4-7=-20
Horz: 1-2=-26, 2-5=-19, 6-9=7, 9-10=14
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-2921(F)
13) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-6, 2-3=-13, 3-4=-33, 4-5=-13, 5-6=-13, 6-7=-1, 7-8=-21, 8-9=-1, 9-10=6, 14-15=-20, 12-14=-85(F=-45), 11-12=-85(F=-65), 4-7=-20
Horz: 1-2=-14, 2-5=-7, 6-9=19, 9-10=26
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-2921(F)
14) Dead + Attic Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 3-4=-40, 4-5=-20, 5-6=-20, 6-7=-20, 7-8=-40, 8-9=-20, 9-10=-20, 14-15=-20, 12-14=-345(F=-225), 11-12=-345(F=-325), 4-7=-20
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-7500(F)
15) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 3-4=-40, 4-5=-20, 5-6=-20, 6-7=-20, 7-8=-40, 8-9=-20, 9-10=-20, 14-15=-20, 12-14=-345(F=-225), 11-12=-345(F=-325), 4-7=-20
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-7500(F)
16) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-56, 2-3=-61, 3-4=-81, 4-5=-61, 5-6=-36, 6-7=-43, 7-8=-63, 8-9=-43, 9-10=-38, 14-15=-20, 12-14=-280(F=-180), 11-12=-280(F=-260), 4-7=-20
Horz: 1-2=6, 2-5=11, 6-9=7, 9-10=12
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-8810(F)
17) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-38, 2-3=-43, 3-4=-63, 4-5=-43, 5-6=-36, 6-7=-61, 7-8=-81, 8-9=-61, 9-10=-56, 14-15=-20, 12-14=-280(F=-180), 11-12=-280(F=-260), 4-7=-20
Horz: 1-2=-12, 2-5=-7, 6-9=-11, 9-10=-6
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-8810(F)
18) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-31, 2-3=-36, 3-4=-56, 4-5=-36, 5-6=-45, 6-7=-45, 7-8=-65, 8-9=-45, 9-10=-40, 14-15=-20, 12-14=-280(F=-180), 11-12=-280(F=-260), 4-7=-20
Horz: 1-2=-19, 2-5=-14, 6-9=5, 9-10=10
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-8441(F)
19) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-3=-45, 3-4=-65, 4-5=-45, 5-6=-45, 6-7=-36, 7-8=-56, 8-9=-36, 9-10=-31, 14-15=-20, 12-14=-280(F=-180), 11-12=-280(F=-260), 4-7=-20
Horz: 1-2=-10, 2-5=-5, 6-9=14, 9-10=19
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-8441(F)
20) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 3-4=-80, 4-5=-60, 5-6=-60, 6-7=-20, 7-8=-40, 8-9=-20, 9-10=-20, 14-15=-20, 12-14=-85(F=-45), 11-12=-85(F=-65), 4-7=-20
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-5000(F)
21) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 3-4=-40, 4-5=-20, 5-6=-60, 6-7=-60, 7-8=-80, 8-9=-60, 9-10=-60, 14-15=-20, 12-14=-85(F=-45), 11-12=-85(F=-65), 4-7=-20
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-5000(F)
22) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15

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LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-2=-50, 2-3=-50, 3-4=-70, 4-5=-50, 5-6=-50, 6-7=-20, 7-8=-40, 8-9=-20, 9-10=-20, 14-15=-20, 12-14=-280(F=-180), 11-12=-280(F=-260), 4-7=-20
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-8125(F)

23) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 3-4=-40, 4-5=-20, 5-6=-50, 6-7=-50, 7-8=-70, 8-9=-50, 9-10=-50, 14-15=-20, 12-14=-280(F=-180), 11-12=-280(F=-260), 4-7=-20
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-8125(F)

24) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=2, 2-3=-13, 3-4=-25, 4-5=-13, 5-6=21, 6-7=11, 7-8=-1, 8-9=11, 9-10=4, 14-15=-12, 12-14=-69(F=-45), 11-12=-77(F=-65), 4-7=-12
Horz: 1-2=-14, 2-5=1, 6-9=23, 9-10=16
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=537(F)

25) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=4, 2-3=11, 3-4=-1, 4-5=11, 5-6=21, 6-7=-13, 7-8=-25, 8-9=-13, 9-10=2, 14-15=-12, 12-14=-69(F=-45), 11-12=-77(F=-65), 4-7=-12
Horz: 1-2=-16, 2-5=-23, 6-9=-1, 9-10=14
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=537(F)

26) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-28, 2-3=-35, 3-4=-55, 4-5=-35, 5-6=-1, 6-7=-11, 7-8=-31, 8-9=-11, 9-10=-4, 14-15=-20, 12-14=-85(F=-45), 11-12=-85(F=-65), 4-7=-20
Horz: 1-2=8, 2-5=15, 6-9=9, 9-10=16
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-3413(F)

27) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-4, 2-3=-11, 3-4=-31, 4-5=-11, 5-6=-1, 6-7=-35, 7-8=-55, 8-9=-35, 9-10=-28, 14-15=-20, 12-14=-85(F=-45), 11-12=-85(F=-65), 4-7=-20
Horz: 1-2=-16, 2-5=-9, 6-9=-15, 9-10=-8
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-3413(F)

28) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=14, 2-3=21, 3-4=9, 4-5=21, 5-6=9, 6-7=9, 7-8=-3, 8-9=9, 9-10=2, 14-15=-12, 12-14=-69(F=-45), 11-12=-77(F=-65), 4-7=-12
Horz: 1-2=-26, 2-5=-33, 6-9=21, 9-10=14
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=537(F)

29) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=2, 2-3=9, 3-4=-3, 4-5=9, 5-6=9, 6-7=21, 7-8=9, 8-9=21, 9-10=14, 14-15=-12, 12-14=-69(F=-45), 11-12=-77(F=-65), 4-7=-12
Horz: 1-2=-14, 2-5=-21, 6-9=33, 9-10=26
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=537(F)

30) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=14, 2-3=21, 3-4=9, 4-5=21, 5-6=9, 6-7=9, 7-8=-3, 8-9=9, 9-10=2, 14-15=-12, 12-14=-69(F=-45), 11-12=-77(F=-65), 4-7=-12
Horz: 1-2=-26, 2-5=-33, 6-9=21, 9-10=14
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=537(F)

31) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=2, 2-3=9, 3-4=-3, 4-5=9, 5-6=9, 6-7=21, 7-8=9, 8-9=21, 9-10=14, 14-15=-12, 12-14=-69(F=-45), 11-12=-77(F=-65), 4-7=-12
Horz: 1-2=-14, 2-5=-21, 6-9=33, 9-10=26
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=537(F)

32) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=6, 2-3=-1, 3-4=-21, 4-5=-1, 5-6=-13, 6-7=-13, 7-8=-33, 8-9=-13, 9-10=-6, 14-15=-20, 12-14=-85(F=-45), 11-12=-85(F=-65), 4-7=-20
Horz: 1-2=-26, 2-5=-19, 6-9=7, 9-10=14
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-2921(F)

33) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60

Continued on page 5

LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 1-2=-6, 2-3=-13, 3-4=-33, 4-5=-13, 5-6=-13, 6-7=-1, 7-8=-21, 8-9=-1, 9-10=6, 14-15=-20, 12-14=-85(F=-45), 11-12=-85(F=-65), 4-7=-20
Horz: 1-2=-14, 2-5=-7, 6-9=19, 9-10=26
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-2921(F)

34) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-56, 2-3=-61, 3-4=-81, 4-5=-61, 5-6=-36, 6-7=-43, 7-8=-63, 8-9=-43, 9-10=-38, 14-15=-20, 12-14=-280(F=-180), 11-12=-280(F=-260), 4-7=-20
Horz: 1-2=6, 2-5=11, 6-9=7, 9-10=12
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-8810(F)

35) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-38, 2-3=-43, 3-4=-63, 4-5=-43, 5-6=-36, 6-7=-61, 7-8=-81, 8-9=-61, 9-10=-56, 14-15=-20, 12-14=-280(F=-180), 11-12=-280(F=-260), 4-7=-20
Horz: 1-2=-12, 2-5=-7, 6-9=-11, 9-10=-6
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-8810(F)

36) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-31, 2-3=-36, 3-4=-56, 4-5=-36, 5-6=-45, 6-7=-45, 7-8=-65, 8-9=-45, 9-10=-40, 14-15=-20, 12-14=-280(F=-180), 11-12=-280(F=-260), 4-7=-20
Horz: 1-2=-19, 2-5=-14, 6-9=5, 9-10=10
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-8441(F)

37) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-3=-45, 3-4=-65, 4-5=-45, 5-6=-45, 6-7=-36, 7-8=-56, 8-9=-36, 9-10=-31, 14-15=-20, 12-14=-280(F=-180), 11-12=-280(F=-260), 4-7=-20
Horz: 1-2=-10, 2-5=-5, 6-9=14, 9-10=19
Drag: 3-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-8441(F)

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	G1SG	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:25 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-k1MrTu95wP9bMs0GLzmw21pfpWrA5ZHsU6cPq?zfFbm

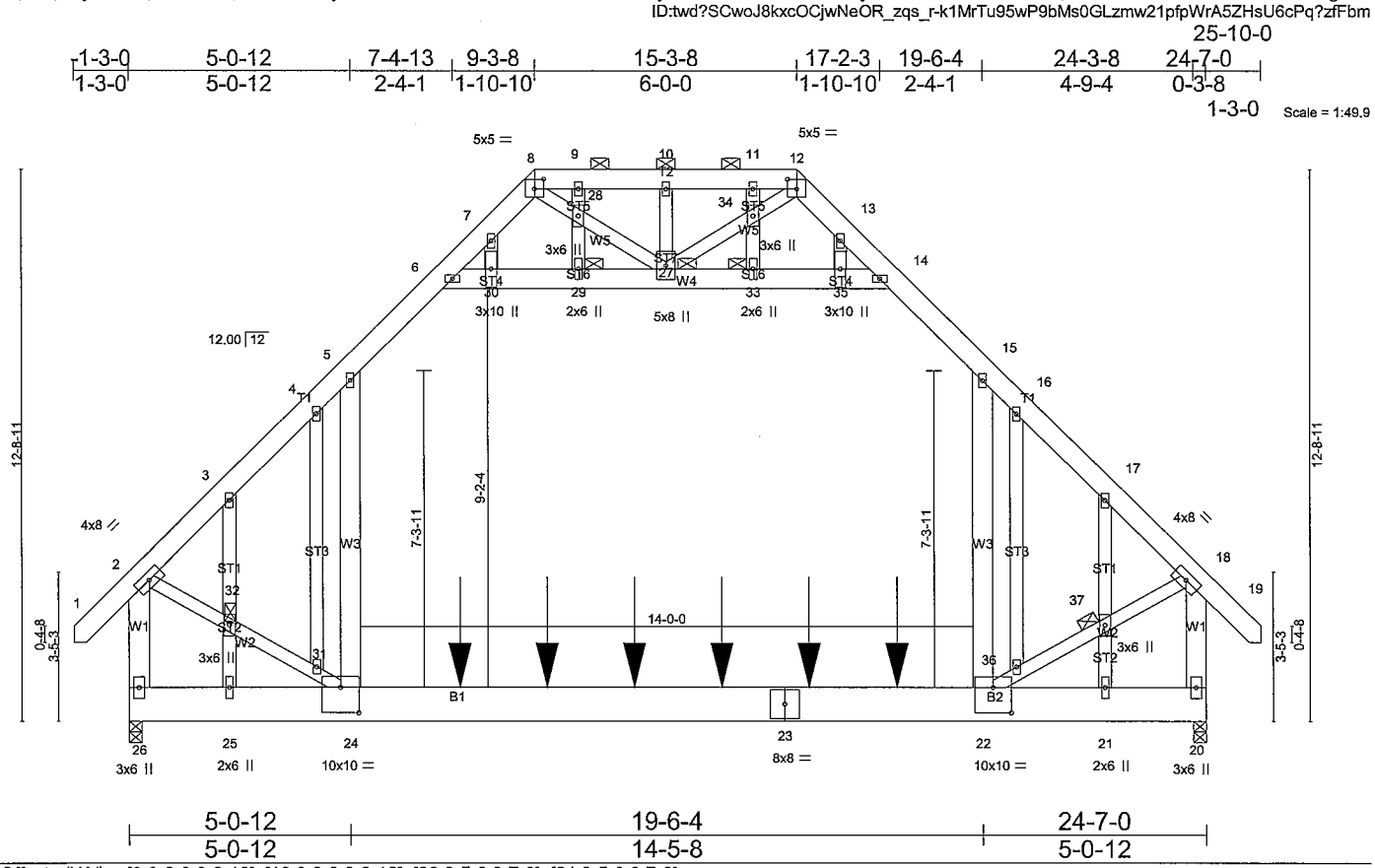

Plate Offsets (X,Y)-- [8:0-2-8,0-2-12], [12:0-2-8,0-2-12], [22:0-5-0,0-7-0], [24:0-5-0,0-7-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.22	22-24	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.39	22-24	>737	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.82	Horz(CT)	0.01	20	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.12	22-24	>999	240	Weight: 317 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x10 SP 2400F 2.0E
WEBS	2x6 SP No.1 *Except* W2,W5: 2x4 SP No.2
OTHERS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-2-11 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 8-12.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 22-24.
JOINTS	1 Brace at Jt(s): 27, 29, 32, 33, 37

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

REACTIONS. (lb/size) 26=1732/0-3-8 (min. 0-1-10), 20=1747/0-3-8 (min. 0-1-10)
Max Horz 26=443(LC 27)
Max Uplift 26=-9(LC 8), 20=-13(LC 9)
Max Grav 26=1986(LC 2), 20=1999(LC 2)

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

TOP CHORD	2-3=-1686/29, 3-4=-2067/123, 4-5=-1953/152, 5-6=-1227/150, 6-7=-447/127, 7-8=-201/267, 8-9=-143/296, 9-10=-140/294, 10-11=-140/294, 11-12=-143/296, 12-13=-203/266, 13-14=-446/128, 14-15=-1226/150, 15-16=-1957/153, 16-17=-2068/123, 17-18=-1688/29, 2-26=-1858/1, 18-20=-1859/2
BOT CHORD	25-26=-439/443, 24-25=-439/443, 24-38=-59/1295, 38-39=-59/1295, 39-40=-59/1295, 40-41=-59/1295, 23-41=-59/1295, 23-42=-59/1295, 42-43=-59/1295, 22-43=-59/1295
WEBS	5-24=-129/1018, 6-30=-1367/245, 29-30=-1360/244, 27-29=-1366/249, 27-33=-1364/248, 33-35=-1358/243, 14-35=-1365/244, 15-22=-132/1022, 2-32=-78/1451, 31-32=-76/1541, 24-31=-115/1593, 22-36=-115/1590, 36-37=-77/1540, 18-37=-78/1450, 7-30=-59/501, 3-32=-633/124, 25-32=-821/118, 13-35=-58/499, 17-37=-633/123, 21-37=-821/118

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; end vertical left and right exposed; 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) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	G1SG	GABLE	1	1	Job Reference (optional)

NOTES-

8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Ceiling dead load (10.0 psf) on member(s). 5-6, 14-15, 6-30, 29-30, 27-29, 27-33, 33-35, 14-35; Wall dead load (5.0psf) on member(s).5-24, 15-22
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 22-24
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 20.
12) This truss is designed in accordance with the 2015 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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 109 lb down and 40 lb up at 7-6-12, 109 lb down and 40 lb up at 9-6-12, 109 lb down and 40 lb up at 11-6-12, 109 lb down and 40 lb up at 13-6-12, and 109 lb down and 40 lb up at 15-6-12, and 109 lb down and 40 lb up at 17-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
15) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-60, 2-5=-60, 5-6=-80, 6-8=-60, 8-12=-60, 12-14=-60, 14-15=-80, 15-18=-60, 18-19=-60, 24-26=-20, 22-24=-40, 20-22=-20, 6-14=-20
   Drag: 5-24=-10, 15-22=-10
   Concentrated Loads (lb)
   Vert: 38=-109 39=-109 40=-109 41=-109 42=-109 43=-109

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	G2	ROOF SPECIAL	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:26 2022 Page 1
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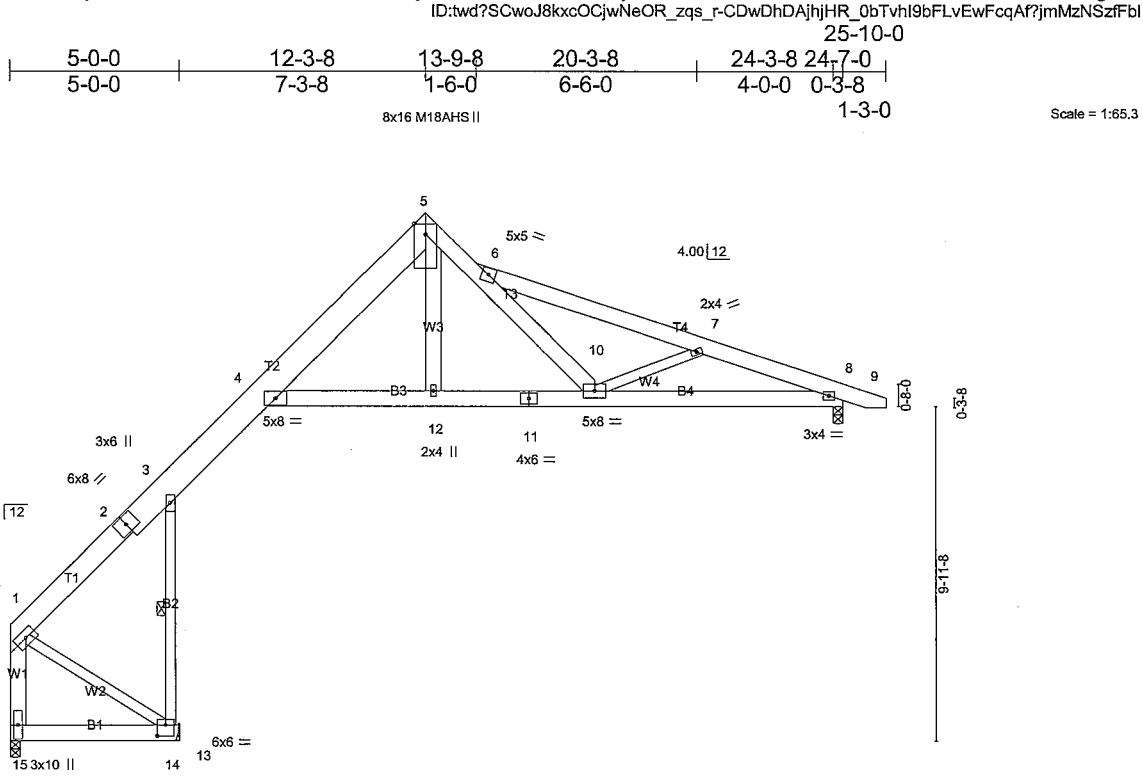

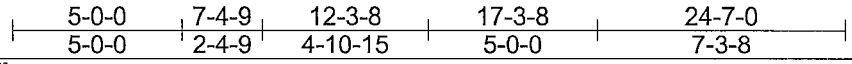

Plate Offsets (X,Y)-- [14:0-3-0,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.07	10-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.14	10-12	>999	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.11	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.06	10-12	>999	240	Weight: 204 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1 *Except* T1: 2x8 SP No.1, T2: 2x10 SP No.1
BOT CHORD 2x6 SP No.1 *Except* B2: 2x4 SP No.2
WEBS 2x6 SP No.1 *Except* W2,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, Except: 6-0-0 oc bracing: 14-15. 5-2-0 oc bracing: 3-14

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

REACTIONS. (lb/size) 15=-37/0-3-8 (min. 0-1-8), 14=1185/Mechanical, 8=803/0-3-8 (min. 0-1-8)
Max Horz 15=286(LC 12)
Max Uplift15=-375(LC 10), 14=-531(LC 12), 8=-96(LC 9)
Max Grav 15=433(LC 12), 14=1370(LC 19), 8=803(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-350/528, 2-3=-316/534, 3-4=-520/80, 4-5=-934/192, 5-6=-506/173, 6-10=-37/460, 6-7=-1256/254, 7-16=-1573/408, 8-16=-1641/405, 1-15=-402/563
BOT CHORD 14-15=-282/313, 3-14=-1283/506, 4-12=-50/716, 11-12=-49/725, 10-11=-49/725, 8-10=-325/1513
WEBS 1-14=-380/339, 5-12=0/256, 7-10=-444/250

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-2-12 to 4-8-12, Interior(1) 4-8-12 to 12-3-8, Exterior(2) 12-3-8 to 13-8-1, Interior(1) 13-8-1 to 25-6-9 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 15=375, 14=531.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	G2	ROOF SPECIAL	4	1	Job Reference (optional)

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	G2SG	GABLE	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:27 2022 Page 1
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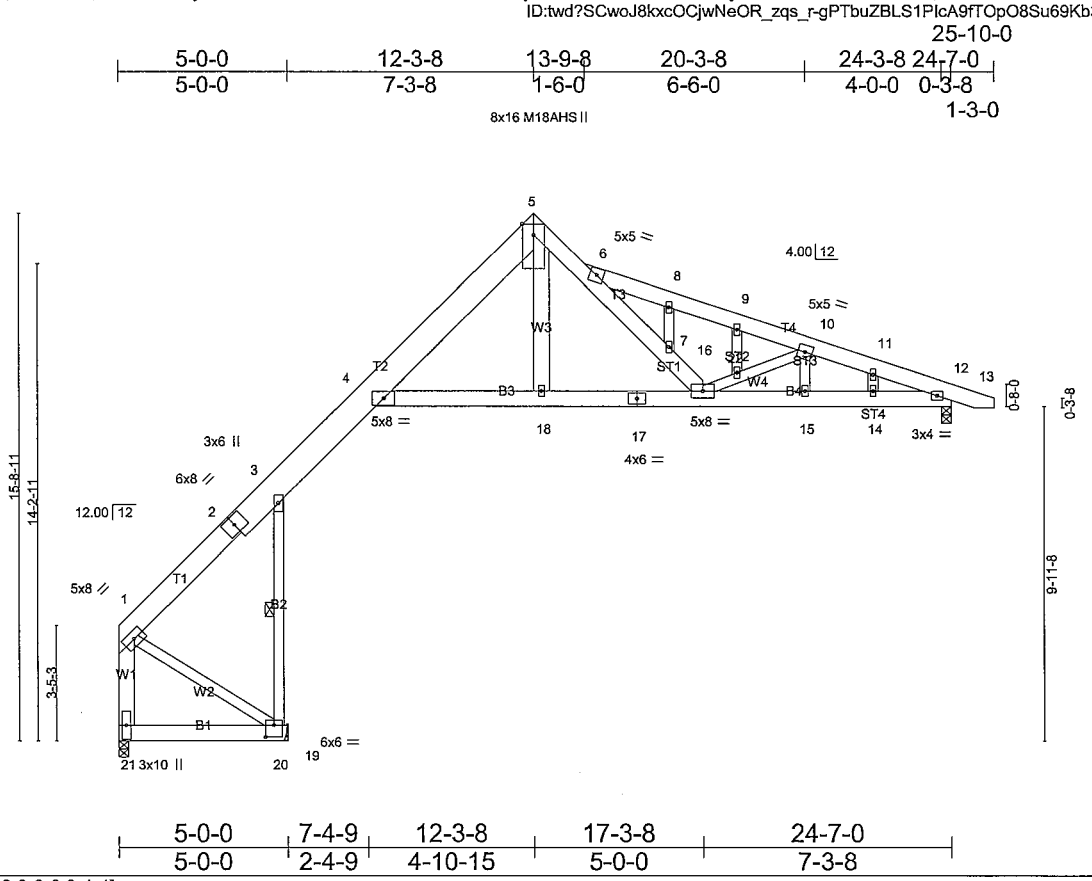

Plate Offsets (X,Y)-- [20:0-3-0,0-4-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.07	16-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.14	16-18	>999	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.11	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.08	4-18	>999	240	Weight: 210 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
T1: 2x8 SP No.1, T2: 2x10 SP No.1
BOT CHORD 2x6 SP No.1 *Except*
B2: 2x4 SP No.2
WEBS 2x6 SP No.1 *Except*
W2,W4: 2x4 SP No.2
OTHERS 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, Except:
6-0-0 oc bracing: 20-21.
5-2-0 oc bracing: 3-20

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

REACTIONS. (lb/size) 21=-36/0-3-8 (min. 0-1-8), 20=1184/Mechanical, 12=803/0-3-8 (min. 0-1-8)
Max Horz 21=426(LC 12)
Max Uplift21=-474(LC 10), 20=-918(LC 12), 12=-218(LC 9)
Max Grav 21=649(LC 12), 20=1434(LC 19), 12=803(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-537/528, 2-3=-500/534, 3-4=-520/162, 4-5=-936/293, 5-6=-517/197, 6-7=-274/652, 7-16=-153/481, 6-8=-1315/511, 8-9=-1286/454, 9-10=-1293/425, 10-11=-1482/507, 11-12=-1558/494, 1-21=-617/562
BOT CHORD 20-21=-418/314, 3-20=-1283/664, 4-18=-86/712, 17-18=-86/722, 16-17=-86/722, 15-16=-403/1390, 14-15=-413/1393, 12-14=-413/1393
WEBS 1-20=-381/504, 5-18=0/288, 16-22=-258/149

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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) All plates are MT20 plates unless otherwise indicated.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Refer to girder(s) for truss to truss connections.

Continued on page 2

NOTES-

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 21=474, 20=918, 12=218.
11) This truss is designed in accordance with the 2015 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	G3	ATTIC	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:29 2022 Page 1
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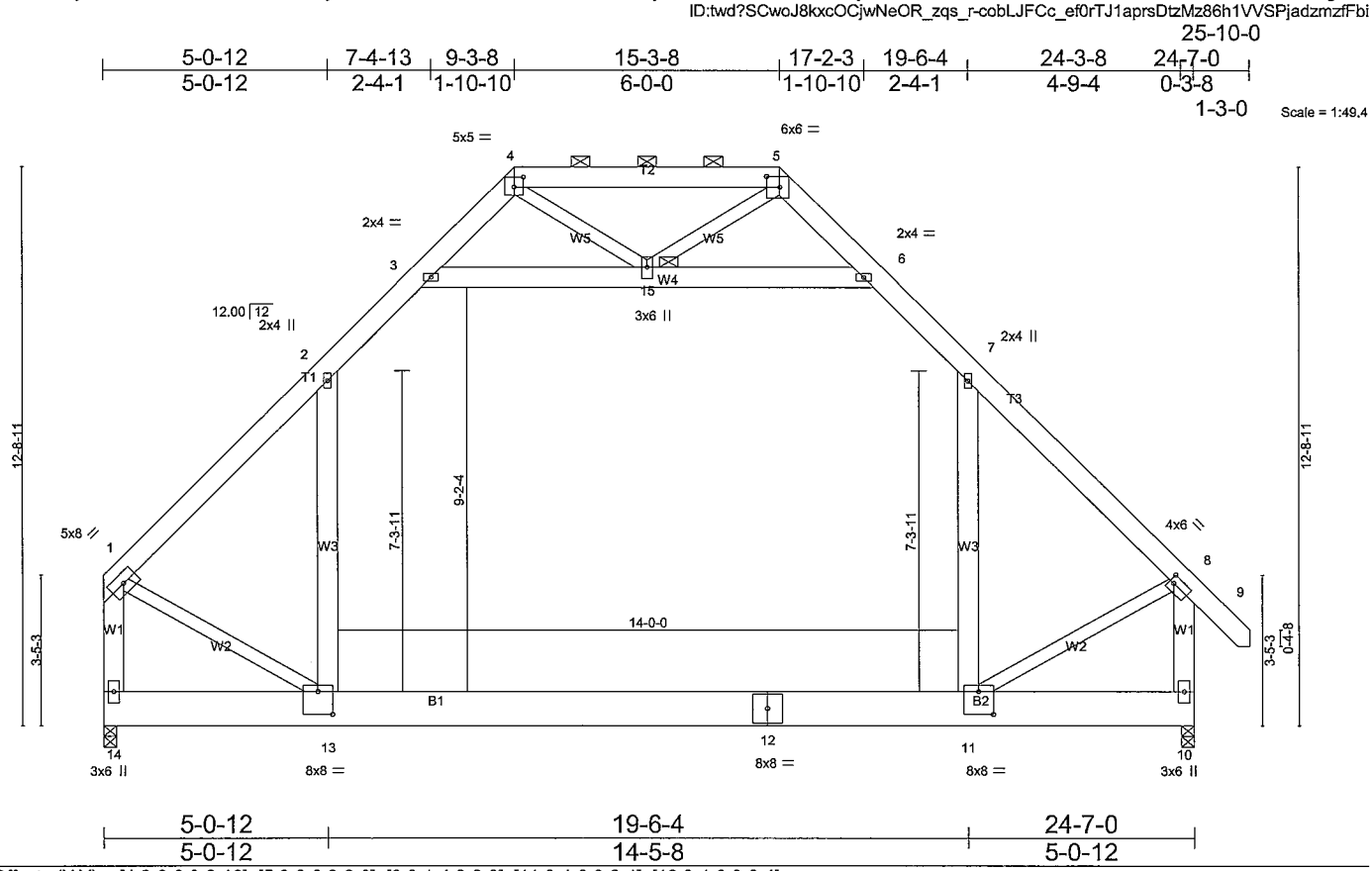

Plate Offsets (X,Y)-- [4:0-2-8,0-2-12], [5:0-3-8,0-3-0], [8:0-1-4,0-2-0], [11:0-4-0,0-6-4], [13:0-4-0,0-6-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.27	11-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.43	11-13	>673	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.08	11-13	>999	240	Weight: 273 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1 *Except*
W2,W5: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-13 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 7-5-9 oc bracing.
JOINTS 1 Brace at Jt(s): 15

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

REACTIONS. (lb/size) 14=1330/0-3-8 (min. 0-1-15), 10=1415/0-3-8 (min. 0-2-0)
Max Horz 14=311(LC 11)
Max Grav 14=1643(LC 2), 10=1714(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-1667/0, 16-17=-1513/0, 2-17=-1496/4, 2-3=-1071/198, 3-4=-410/158, 4-5=-281/112, 5-6=-412/152, 6-7=-1069/183, 7-18=-1512/0, 8-18=-1666/0, 1-14=-1918/0, 8-10=-1974/22
BOT CHORD 13-14=-306/332, 12-13=0/1094, 11-12=0/1094
WEBS 2-13=-56/679, 3-15=-1139/129, 6-15=-1136/95, 7-11=-40/699, 1-13=0/1210, 8-11=0/1206

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-2-12 to 4-7-9, Interior(1) 4-7-9 to 9-3-8, Exterior(2) 9-3-8 to 21-6-3, Interior(1) 21-6-3 to 25-8-6 zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (10.0 psf) on member(s). 2-3, 6-7, 3-15, 6-15; Wall dead load (5.0psf) on member(s).2-13, 7-11
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-13
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	G3A	ATTIC	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:30 2022 Page 1
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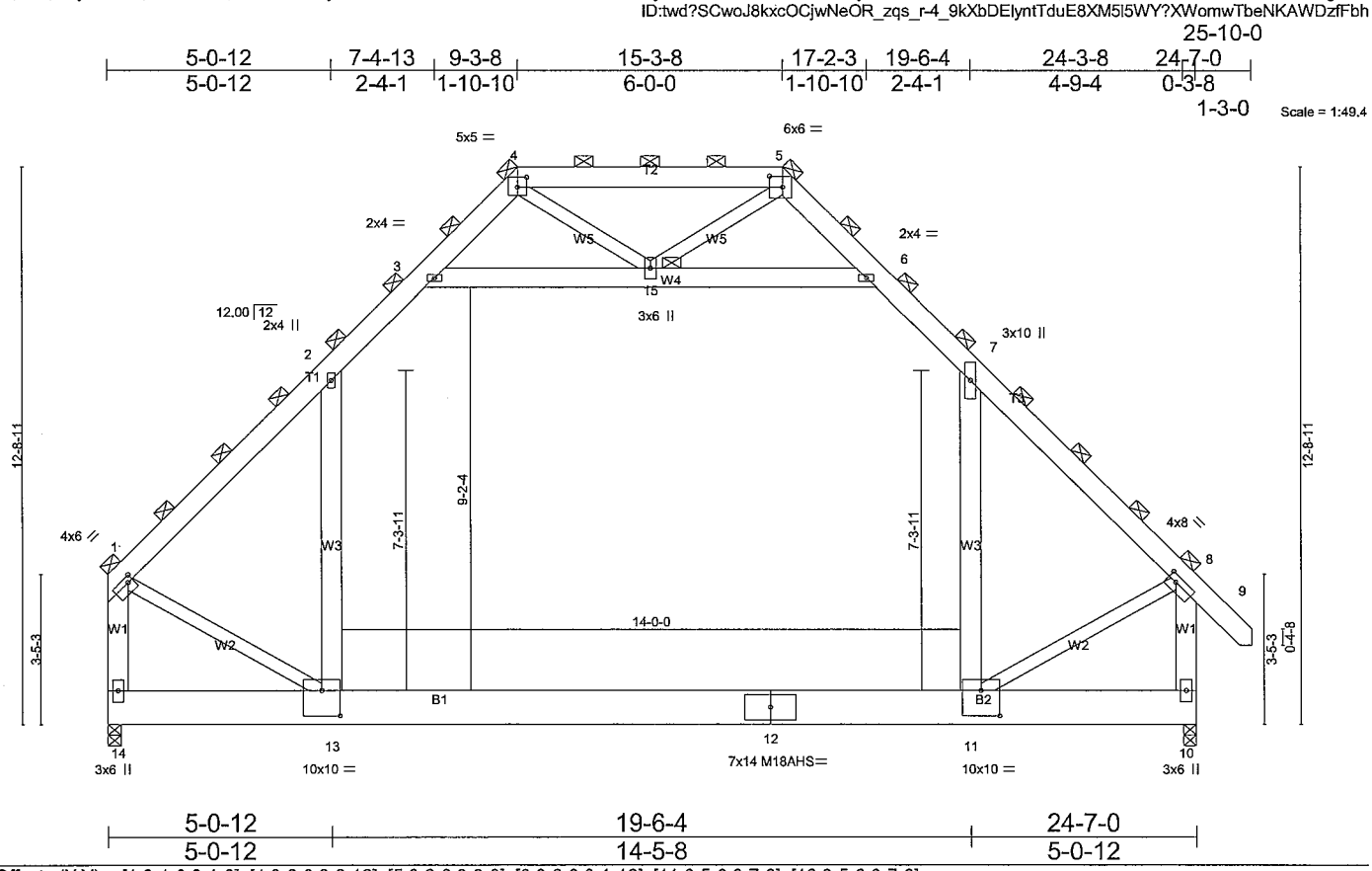

Plate Offsets (X,Y)-- [1:0-1-8,0-1-8], [4:0-2-8,0-2-12], [5:0-3-8,0-3-0], [8:0-2-8,0-1-12], [11:0-5-0,0-7-0], [13:0-5-0,0-7-0]

LOADING (psf)		SPACING-	3-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.34	11-13	>863	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.53	11-13	>550	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.44	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.10	11-13	>999	240	Weight: 273 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP 2400F 2.0E *Except*
T2: 2x6 SP No.1
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x6 SP No.1 *Except*
W2,W5: 2x4 SP No.2

BRACING-
TOP CHORD 2-0-0 oc purlins (5-9-4 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 1, 4, 5, 8, 15

REACTIONS. (lb/size) 14=1995/0-3-8 (min. 0-2-1), 10=2122/0-3-8 (min. 0-2-2)
Max Horz 14=-514(LC 8)
Max Grav 14=2465(LC 2), 10=2571(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-2492/0, 16-17=-2262/0, 2-17=-2236/0, 2-3=-1604/292, 3-4=-619/234, 4-5=-429/157, 5-6=-622/232, 6-7=-1602/287, 7-18=-2273/0, 8-18=-2504/0, 1-14=-2870/0, 8-10=-2963/59
BOT CHORD 13-14=-468/531, 12-13=0/1646, 11-12=0/1646
WEBS 2-13=-87/1015, 3-15=-1695/181, 6-15=-1691/165, 7-11=-64/1041, 1-13=0/1815, 8-11=0/1812, 4-15=-1/264, 5-15=0/262

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-2-12 to 4-7-9, Interior(1) 4-7-9 to 9-3-8, Exterior(2) 9-3-8 to 21-6-3, Interior(1) 21-6-3 to 25-8-6 zone; 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (10.0 psf) on member(s). 2-3, 6-7, 3-15, 6-15; Wall dead load (5.0psf) on member(s).2-13, 7-11
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-13
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	G3GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:31 2022 Page 1
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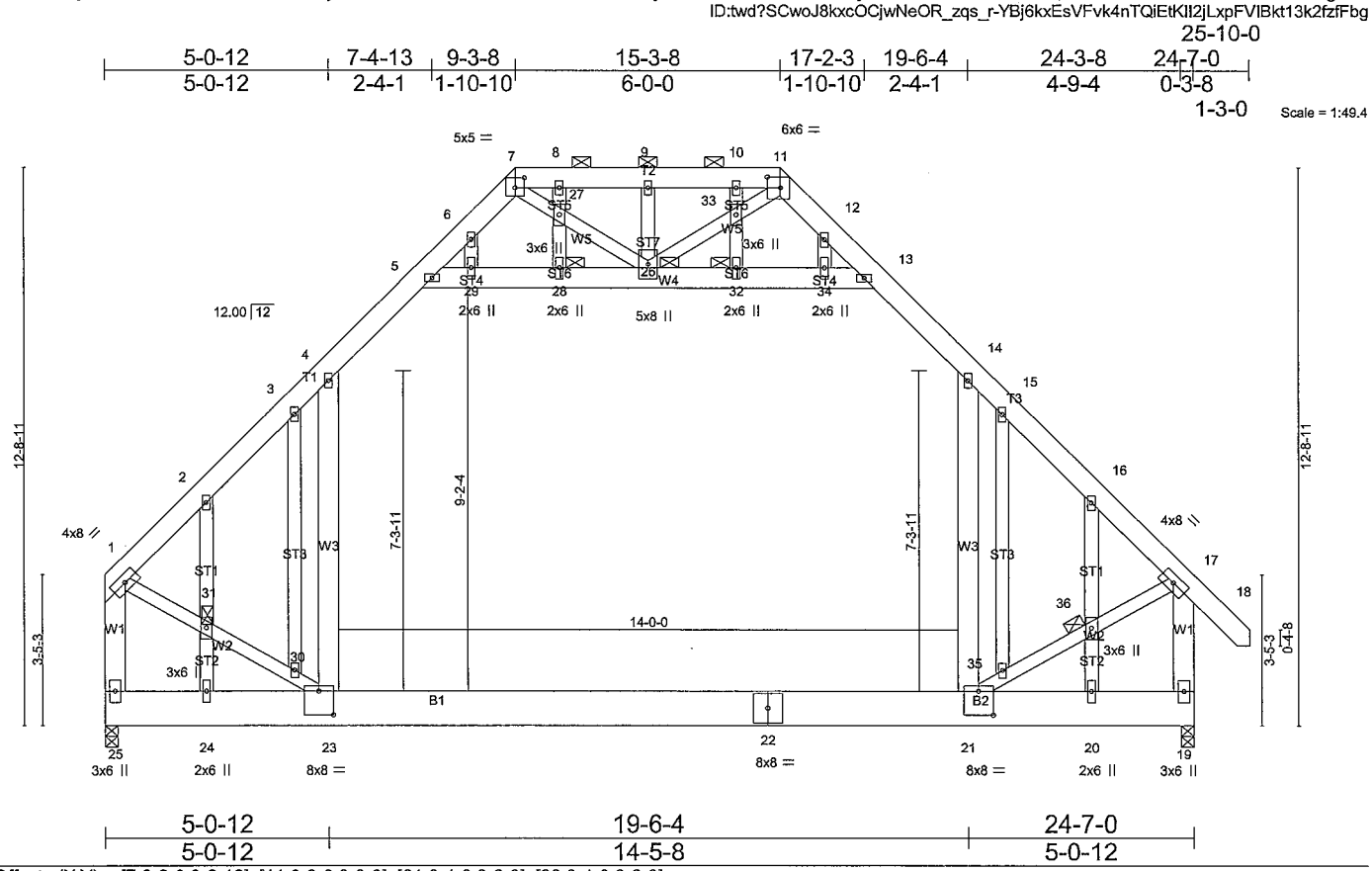

Plate Offsets (X,Y)-- [7:0-2-8,0-2-12], [11:0-3-8,0-3-0], [21:0-4-0,0-6-8], [23:0-4-0,0-6-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.59	Vert(LL)	-0.24	21-23	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.37	21-23	>780	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.01	19	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	-0.10	21-23	>999	240	Weight: 313 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1 *Except*
W2,W5: 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-7 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-11.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 26, 28, 31, 32, 36

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

REACTIONS. (lb/size) 25=1330/0-3-8 (min. 0-1-15), 19=1415/0-3-8 (min. 0-2-0)
Max Horz 25=-429(LC 8)
Max Grav 25=1643(LC 2), 19=1714(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1451/0, 2-3=-1743/23, 3-4=-1602/80, 4-5=-1075/212, 5-6=-480/122, 6-7=-326/213, 7-8=-304/223, 8-9=-301/221, 9-10=-301/221, 10-11=-306/222, 11-12=-326/213, 12-13=-480/121, 13-14=-1075/213, 14-15=-1592/83, 15-16=-1739/21, 16-17=-1448/0, 1-25=-1537/0, 17-19=-1595/0
BOT CHORD 24-25=-415/435, 23-24=-415/435, 22-23=0/1116, 21-22=0/1116
WEBS 4-23=0/866, 5-29=-1113/150, 28-29=-1107/150, 26-28=-1113/155, 26-32=-1110/157, 32-34=-1104/152, 13-34=-1110/152, 14-21=0/865, 1-31=-1/1225, 30-31=0/1298, 23-30=-38/1351, 21-35=-26/1385, 35-36=0/1327, 17-36=0/1254, 6-29=-24/414, 2-31=-525/125, 24-31=-672/116, 12-34=-21/415, 16-36=-518/79, 20-36=-673/69

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	G3GE	GABLE	1	1	Job Reference (optional)

NOTES-

9) Ceiling dead load (10.0 psf) on member(s). 4-5, 13-14, 5-29, 28-29, 26-28, 26-32, 32-34, 13-34; Wall dead load (5.0psf) on member(s).4-23, 14-21
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 21-23
11) This truss is designed in accordance with the 2015 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) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	H1	COMMON	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

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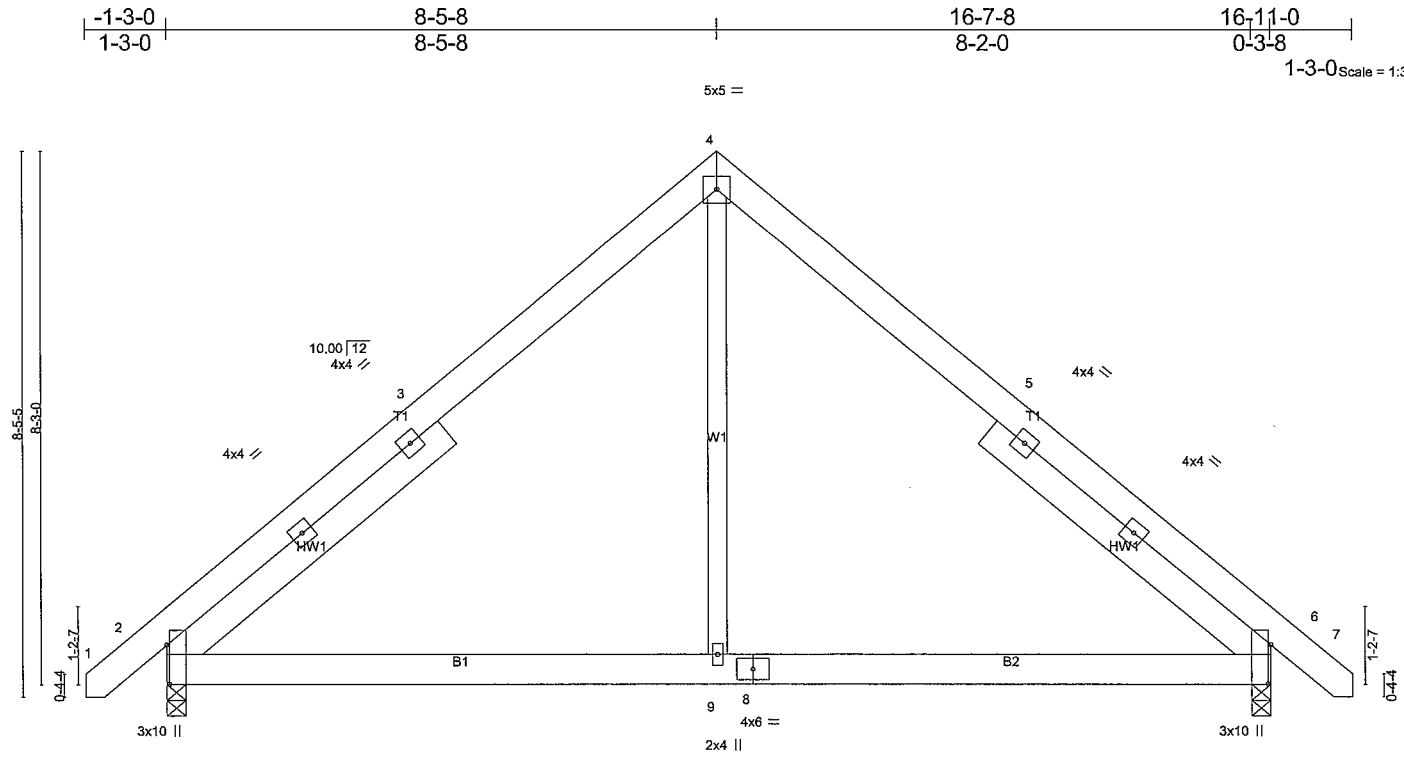

Plate Offsets (X,Y)-- [2:0-7-4,Edge], [6:0-7-4,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	-0.02	2-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.05	2-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.02	2-9	>999	240	Weight: 136 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.1 -x 5-6-1, Right 2x6 SP No.1 -x 5-6-1

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) 6=743/0-3-8 (min. 0-1-8), 2=743/0-3-8 (min. 0-1-8)
Max Horz 2=191(LC 11)
Max Uplift6=-42(LC 13), 2=-42(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-734/143, 3-10=-589/146, 3-4=-570/184, 4-5=-570/184, 5-11=-589/146, 6-11=-734/143
BOT CHORD 2-9=0/442, 8-9=0/442, 6-8=0/442
WEBS 4-9=0/392

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-1-4 to 3-3-9, Interior(1) 3-3-9 to 8-5-8, Exterior(2) 8-5-8 to 12-10-5, Interior(1) 12-10-5 to 18-0-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2.
6) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	H1GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:32 2022 Page 1
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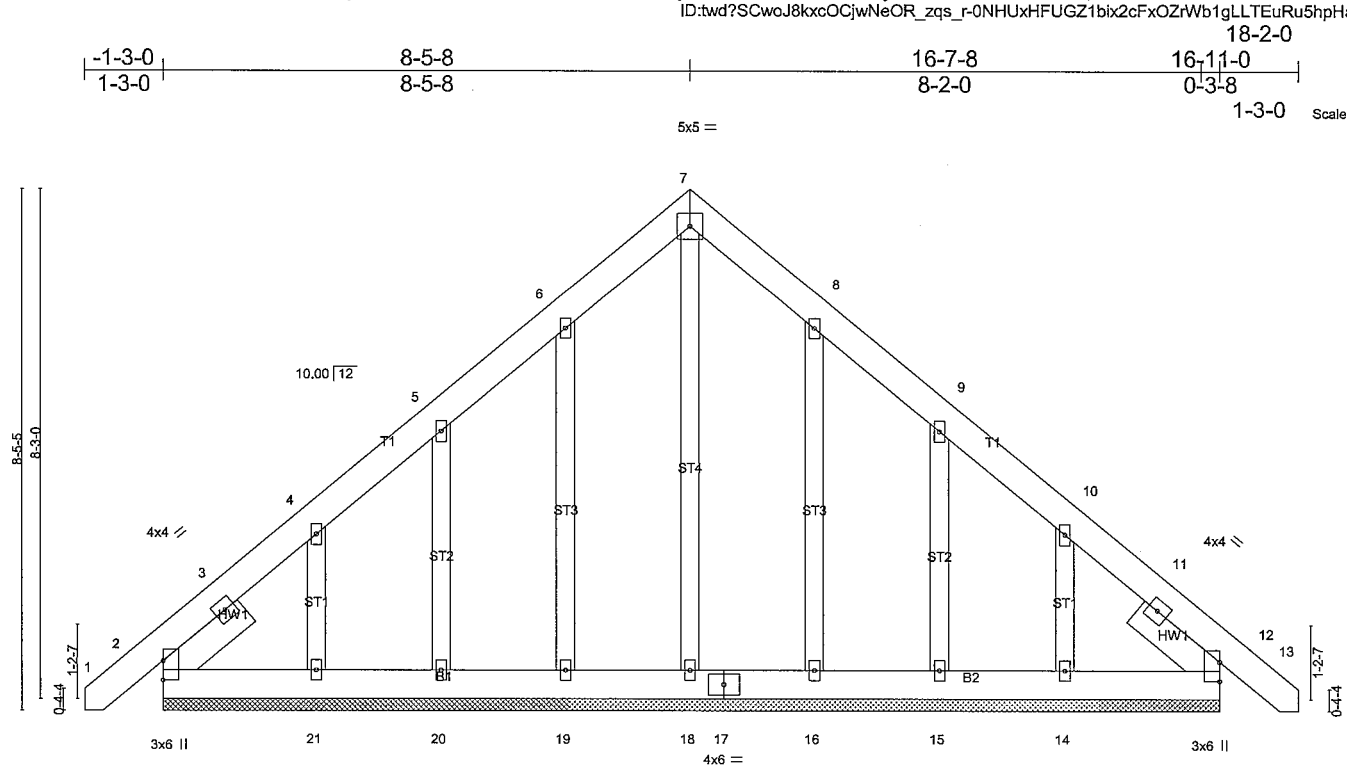

16-11-0
16-11-0

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.04	Vert(LL) -0.00 12 n/r 120	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.03	Vert(CT) -0.00 12 n/r 120	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.16	Horz(CT) 0.00 12 n/a n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S		Weight: 154 lb FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.2
SLIDER Left 2x6 SP No.1 -x 1-7-11, Right 2x6 SP No.1 -x 1-7-11

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. All bearings 16-11-0.
(lb) - Max Horz 2=239(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 12, 2, 19, 16 except 20=-101(LC 12), 21=-207(LC 12), 15=-105(LC 13), 14=-196(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 12, 2, 18, 19, 20, 21, 16, 15, 14

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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 2, 19, 16 except (jt=lb) 20=101, 21=207, 15=105, 14=196.
10) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	J1	JACK-CLOSED	8	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:33 2022 Page 1
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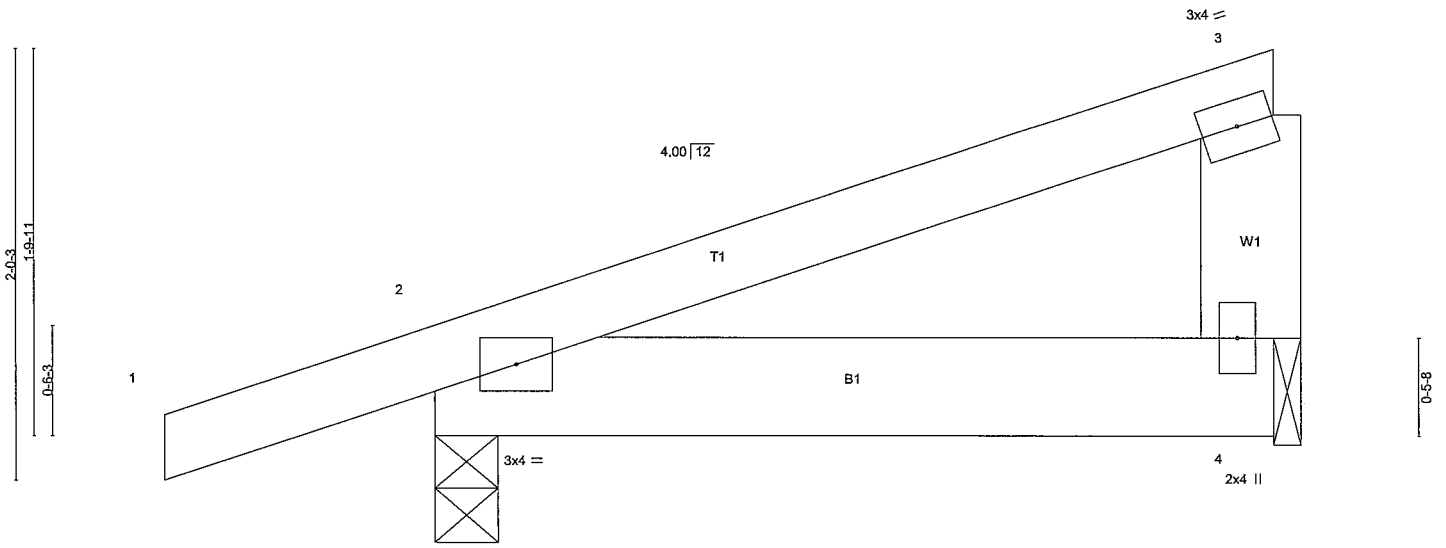

4-0-0
4-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	-0.00	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 20 lb	FT = 20%

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

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

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

REACTIONS. (lb/size) 2=245/0-3-8 (min. 0-1-8), 4=129/0-1-8 (min. 0-1-8)
Max Horz 2=59(LC 8)
Max Uplift2=-68(LC 8), 4=-20(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-3-0 to 3-1-13, Interior(1) 3-1-13 to 3-9-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) 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.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
7) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	K1	COMMON	3	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

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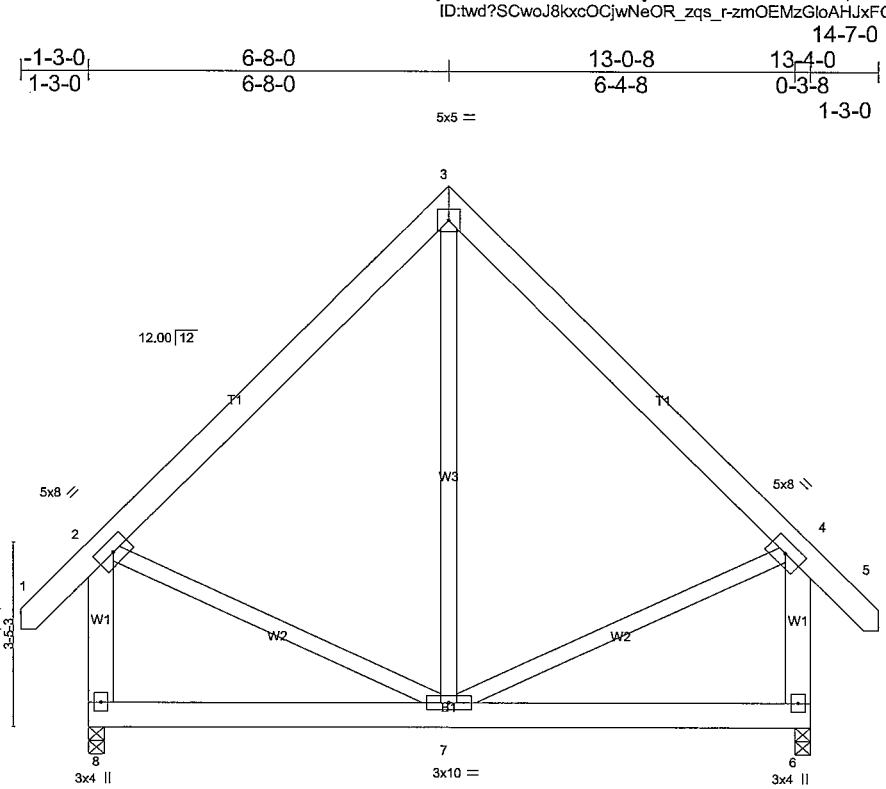

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	-0.01	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.02	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.00	7	>999	240	Weight: 131 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W1: 2x6 SP No.1

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) 8=596/0-3-8 (min. 0-1-8), 6=596/0-3-8 (min. 0-1-8)
Max Horz 8=-295(LC 10)
Max Uplift8=-30(LC 13), 6=-30(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-410/169, 9-10=-346/177, 3-10=-342/206, 3-11=-342/206, 11-12=-346/177, 4-12=-410/169, 2-8=-537/258, 4-6=-537/259
BOT CHORD 7-8=-274/311

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-1-6 to 3-3-7, Interior(1) 3-3-7 to 6-8-0, Exterior(2) 6-8-0 to 11-0-13, Interior(1) 11-0-13 to 14-5-6 zone; 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 6.
6) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	K1GE	GABLE	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:34 2022 Page 1
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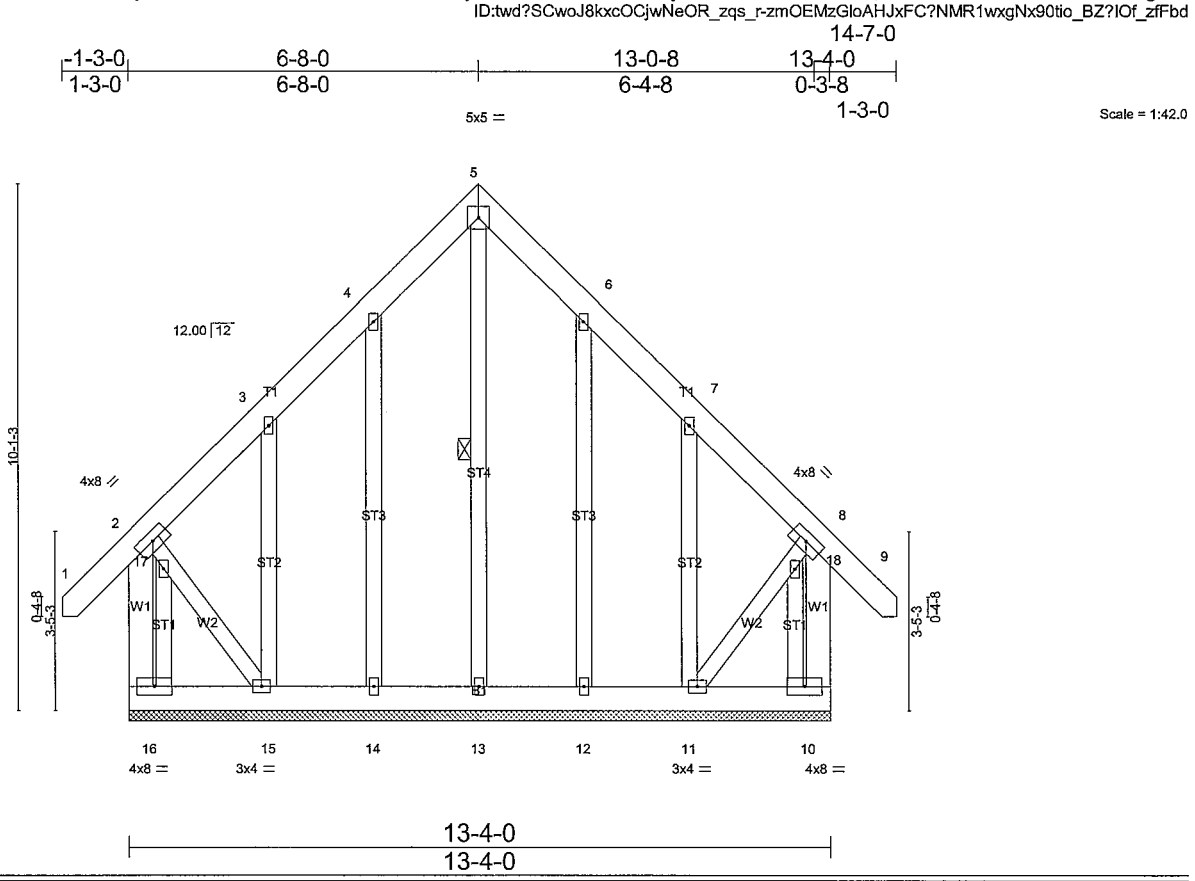

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.06	Vert(LL) -0.00 9 n/r 120	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.04	Vert(CT) -0.00 9 n/r 120	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.15	Horz(CT) 0.00 10 n/a n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S		Weight: 165 lb FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x6 SP No.1 *Except*
W2: 2x4 SP No.2
OTHERS 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 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-13

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

REACTIONS. All bearings 13-4-0.
(lb) - Max Horz 16=-369(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 16=-203(LC 10), 10=-160(LC 11), 14=-109(LC 12), 15=-382(LC 12), 12=-109(LC 13), 11=-380(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 13, 14, 12 except 16=370(LC 20), 10=338(LC 19), 15=390(LC 10), 11=366(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-272/145
BOT CHORD 15-16=-349/314, 14-15=-235/269, 13-14=-235/269, 12-13=-235/269, 11-12=-235/269
WEBS 3-15=-253/184, 7-11=-252/184, 2-17=-241/274, 15-17=-298/340, 11-18=-276/327, 8-18=-225/264

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 203 lb uplift at joint 16, 160 lb uplift at joint 10, 109 lb uplift at joint 14, 382 lb uplift at joint 15, 109 lb uplift at joint 12 and 380 lb uplift at joint 11.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	K1GE	GABLE	2	1	Job Reference (optional)

NOTES-

11) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	K2	COMMON	5	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:35 2022 Page 1
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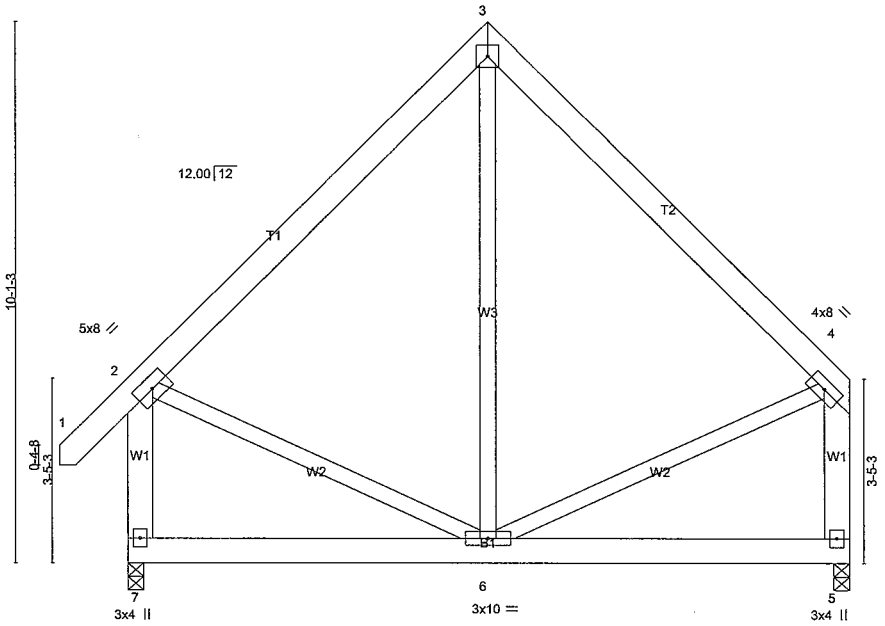
1-3-0	6-8-0	13-0-8	13-4-0
1-3-0	6-8-0	6-4-8	0-3-8

5x5 =

Scale = 1:40.9



6-8-0	13-4-0
6-8-0	6-8-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	-0.01	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.02	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.00	6	>999	240	Weight: 127 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W1: 2x6 SP No.1

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) 7=600/0-3-8 (min. 0-1-8), 5=511/0-3-8 (min. 0-1-8)
Max Horz 7=284(LC 9)
Max Uplift7=-25(LC 13), 5=-31(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-414/163, 8-9=-353/171, 3-9=-350/200, 3-10=-322/183, 10-11=-340/155, 4-11=-407/146, 2-7=-541/252, 4-5=-469/197
BOT CHORD 6-7=-276/280

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-1-6 to 3-3-7, Interior(1) 3-3-7 to 6-8-0, Exterior(2) 6-8-0 to 11-0-13, Interior(1) 11-0-13 to 13-1-4 zone; 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 7 and 31 lb uplift at joint 5.
6) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	K2A-GR	COMMON GIRDER	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:36 2022 Page 1
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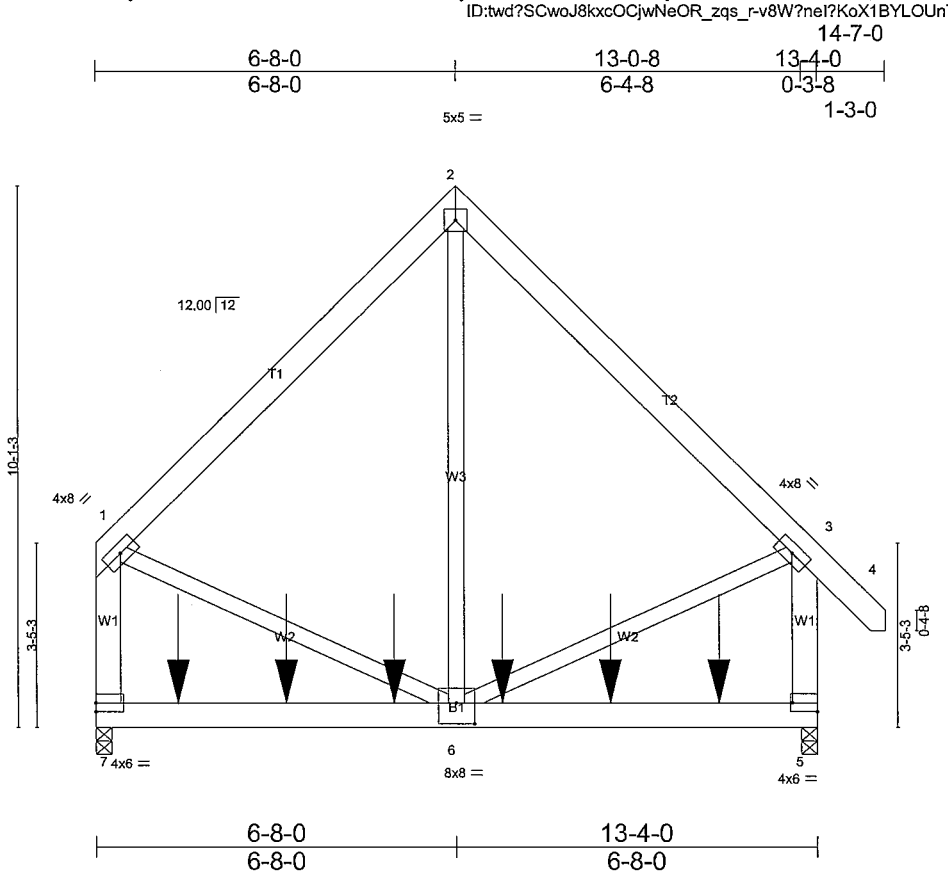


Plate Offsets (X,Y)-- [5:Edge,0-2-0], [6:0-4-0,0-4-12]

LOADING (psf)		SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.15	TC 0.28	Vert(LL)	-0.05	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC 0.56	Vert(CT)	-0.11	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr NO	WB 0.35	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL)	0.04	6-7	>999	240	Weight: 254 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.2 *Except*
W1: 2x6 SP No.1

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) 7=3770/0-3-8 (min. 0-1-9), 5=3715/0-3-8 (min. 0-1-9)
Max Horz 7=-284(LC 4)
Max Uplift7=-152(LC 9), 5=-140(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2395/184, 2-3=-2405/185, 1-7=-2439/136, 3-5=-2532/130
BOT CHORD 7-8=-264/416, 8-9=-264/416, 9-10=-264/416, 6-10=-264/416, 6-11=-58/262, 11-12=-58/262, 12-13=-58/262, 5-13=-58/262
WEBS 2-6=-99/2863, 1-6=-120/1489, 3-6=-143/1485

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 152 lb uplift at joint 7 and 140 lb uplift at joint 5.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2

NOTES-

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1062 lb down and 47 lb up at 1-6-4, 1062 lb down and 47 lb up at 3-6-4, 1062 lb down and 47 lb up at 5-6-4, 1062 lb down and 47 lb up at 7-6-4, and 1062 lb down and 47 lb up at 9-6-4, and 1062 lb down and 48 lb up at 11-6-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-60, 2-3=-60, 3-4=-60, 5-7=-20
   Concentrated Loads (lb)
   Vert: 8=-1062(B) 9=-1062(B) 10=-1062(B) 11=-1062(B) 12=-1062(B) 13=-1062(B)

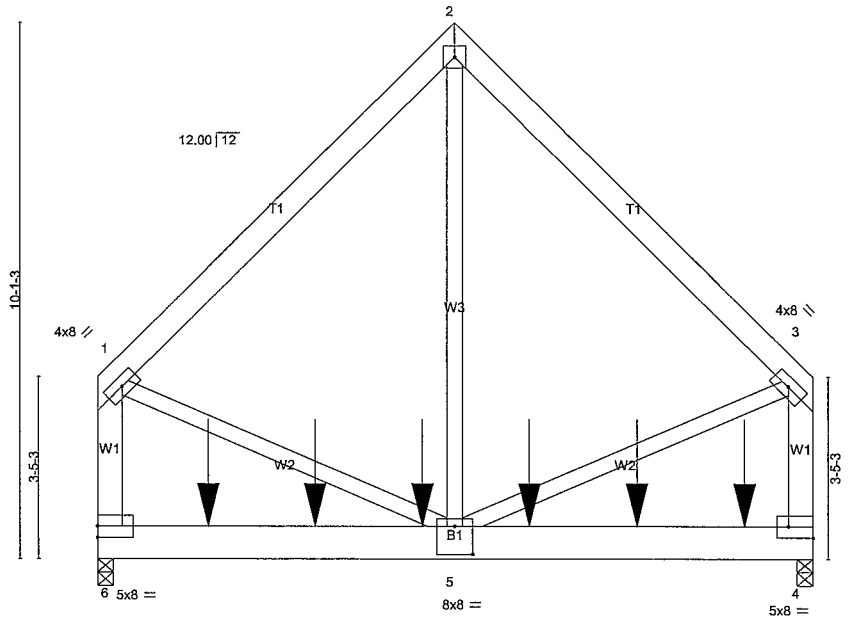
Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	K2-GR	COMMON GIRDER	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:37 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-NL4N?_Jd55fuoiwa2V_kYZIqgMuQv5fdFzW2GJzfFba

6-8-0 | 13-0-8 | 13-4-0
6-8-0 | 6-4-8 | 0-3-8

5x5 =

Scale = 1:41.3



6-8-0 | 13-4-0
6-8-0 | 6-8-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.05	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.09	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.41	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.03	4-5	>999	240	Weight: 265 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x8 SP No.1
WEBS 2x4 SP No.2 *Except*
W1: 2x6 SP No.1

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) 6=3705/0-3-8 (min. 0-2-7), 4=3625/0-3-8 (min. 0-2-6)
Max Horz 6=154(LC 5)
Max Uplift6=-242(LC 9), 4=-358(LC 8)
Max Grav 6=4109(LC 2), 4=3995(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2701/261, 2-3=-2700/261, 1-6=-2734/228, 3-4=-2762/220
BOT CHORD 6-7=-180/364, 7-8=-180/364, 8-9=-180/364, 5-9=-180/364
WEBS 2-5=-197/3364, 1-5=-160/1741, 3-5=-140/1811

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-7-0 oc.
Webs 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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 242 lb uplift at joint 6 and 358 lb uplift at joint 4.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	K2-GR	COMMON GIRDER	1	2	Job Reference (optional)

NOTES-

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1350 lb down and 69 lb up at 2-0-12, 1350 lb down and 69 lb up at 4-0-12, 1350 lb down and 69 lb up at 6-0-12, 1350 lb down and 69 lb up at 8-0-12, and 905 lb down and 211 lb up at 10-0-12, and 899 lb down and 91 lb up at 12-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-2=-60, 2-3=-60, 4-6=-20
   Concentrated Loads (lb)
      Vert: 7=-1175(B) 8=-1175(B) 9=-1175(B) 10=-1175(B) 11=-801 12=-798

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	L1	COMMON	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:37 2022 Page 1
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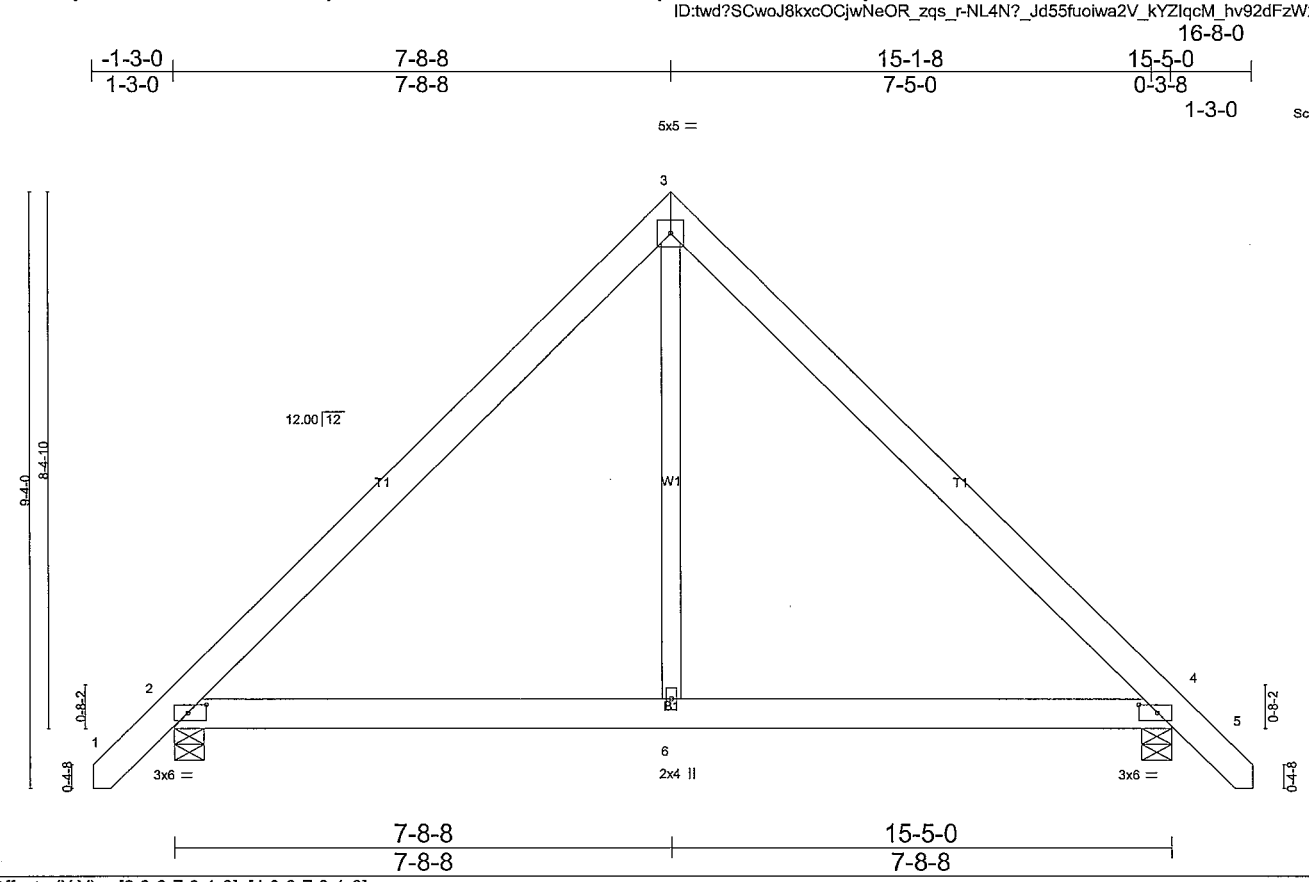

Plate Offsets (X,Y)-- [2:0-3-7,0-1-8], [4:0-3-7,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.03	4-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.05	4-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.02	2-6	>999	240	Weight: 107 lb	FT = 20%

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

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

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

REACTIONS. (lb/size) 2=679/0-5-8 (min. 0-1-8), 4=679/0-5-8 (min. 0-1-8)
Max Horz 2=-211(LC 10)
Max Uplift2=-37(LC 12), 4=-37(LC 13)
Max Grav 2=782(LC 19), 4=782(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-810/133, 3-7=-693/171, 3-8=-692/171, 4-8=-809/133
BOT CHORD 2-9=0/514, 6-9=0/514, 6-10=0/514, 4-10=0/514
WEBS 3-6=0/581

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-1-6 to 3-3-7, Interior(1) 3-3-7 to 7-8-8, Exterior(2) 7-8-8 to 12-1-5, Interior(1) 12-1-5 to 16-6-6 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 37 lb uplift at joint 2 and 37 lb uplift at joint 4.
6) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	L1GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:38 2022 Page 1
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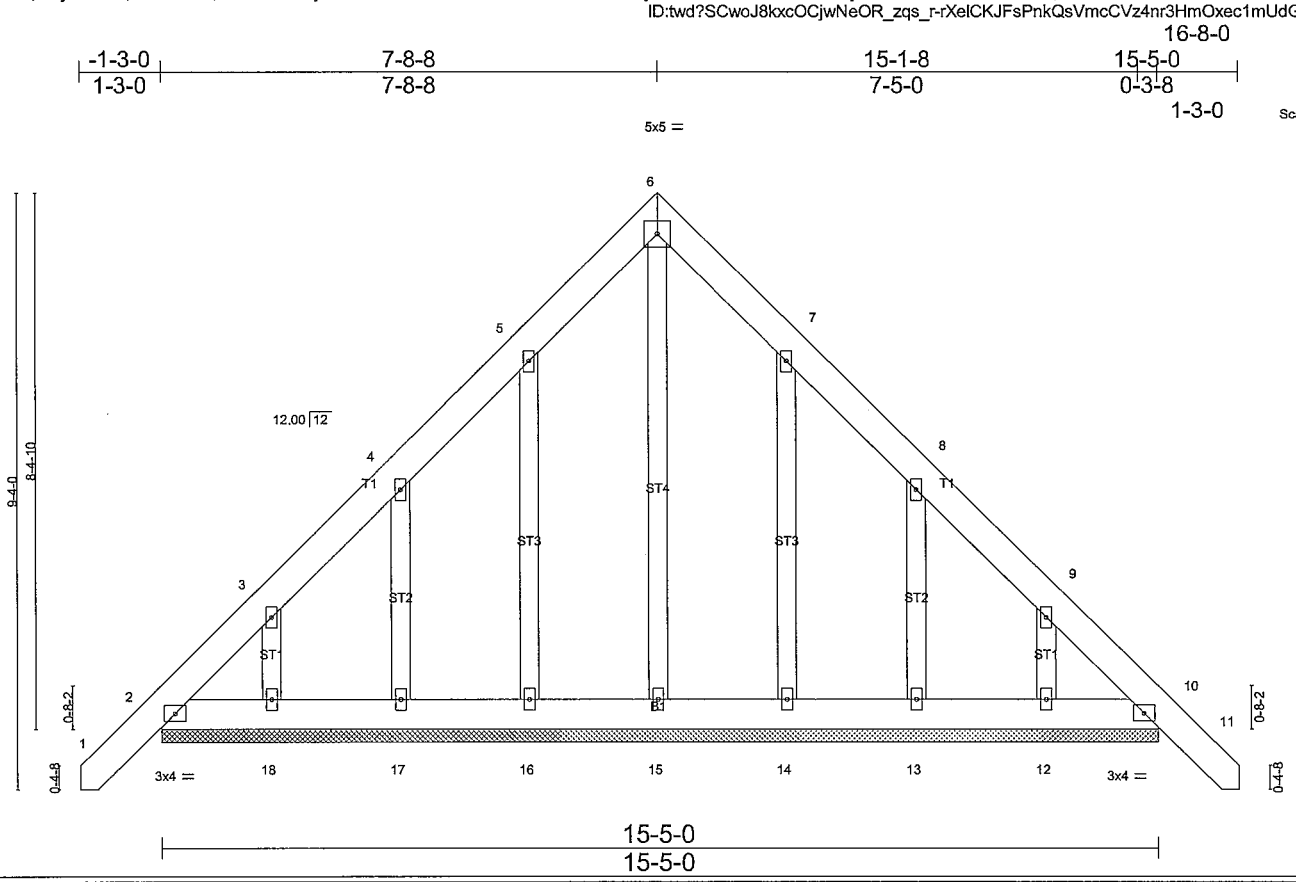

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	-0.00	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.00	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 138 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.2

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. All bearings 15-5-0.
(lb) - Max Horz 2=-264(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10 except 16=-120(LC 12), 17=-154(LC 12), 18=-127(LC 12), 14=-115(LC 13), 13=-156(LC 13), 12=-125(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 15, 16, 17, 18, 14, 13, 12

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-293/182, 9-10=-256/187
BOT CHORD 2-18=-166/258, 17-18=-167/258, 16-17=-168/259, 15-16=-169/259, 14-15=-169/259, 13-14=-168/259, 12-13=-167/258, 10-12=-166/257

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10 except (jt=lb) 16=120, 17=154, 18=127, 14=115, 13=156, 12=125.
10) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	L1-GR	COMMON	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:39 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-JjC7PgKtdjvb204yAw0Cd_OAPAYMN1swiH?9KBzfFbY

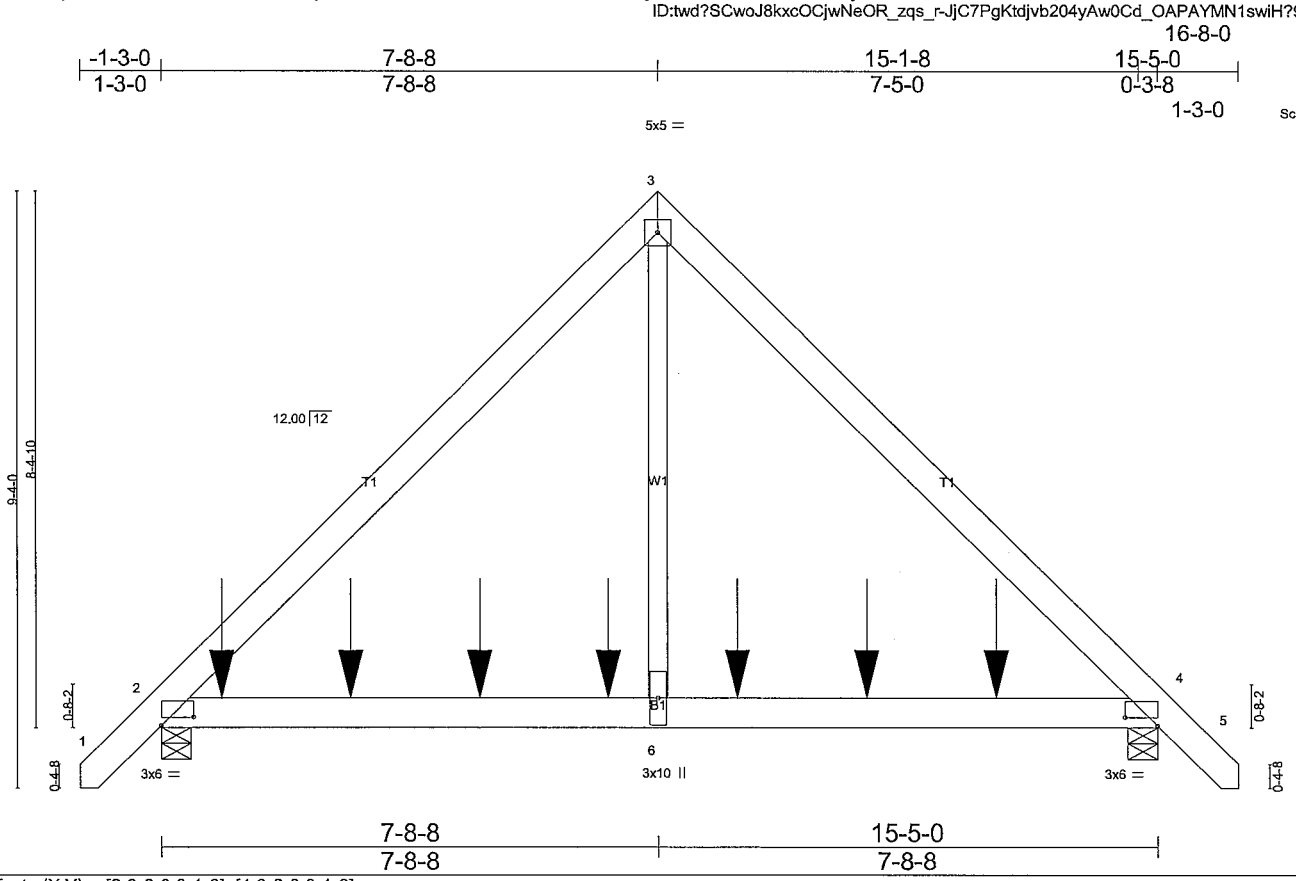

Plate Offsets (X,Y)-- [2:0-6-0,0-1-9], [4:0-6-0,0-1-9]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	-0.07	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.14	2-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.30	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.07	2-6	>999	240	Weight: 215 lb	FT = 20%

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

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

REACTIONS. (lb/size) 2=2687/0-5-8 (min. 0-1-9), 4=2310/0-5-8 (min. 0-1-8)
Max Horz 2=-212(LC 25)
Max Uplift2=-398(LC 8), 4=-332(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2190/382, 3-4=-2196/382
BOT CHORD 2-7=-189/1456, 7-8=-189/1456, 8-9=-189/1456, 9-10=-189/1456, 10-11=-189/1456, 6-11=-189/1456, 6-12=-189/1456, 12-13=-189/1456, 13-14=-189/1456, 14-15=-189/1456, 4-15=-189/1456
WEBS 3-6=-344/2476

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=398, 4=332.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	L1-GR	COMMON	1	2	Job Reference (optional)

NOTES-

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 522 lb down and 99 lb up at 0-11-4, 519 lb down and 102 lb up at 2-11-4, 519 lb down and 102 lb up at 4-11-4, 519 lb down and 102 lb up at 6-11-4, 519 lb down and 102 lb up at 8-11-4, and 519 lb down and 102 lb up at 10-11-4, and 519 lb down and 102 lb up at 12-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-3=-60, 3-5=-60, 2-4=-20
   Concentrated Loads (lb)
      Vert: 7=-522(B) 8=-519(B) 10=-519(B) 11=-519(B) 12=-519(B) 13=-519(B) 15=-519(B)

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	M1	MONOPITCH	8	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:40 2022 Page 1
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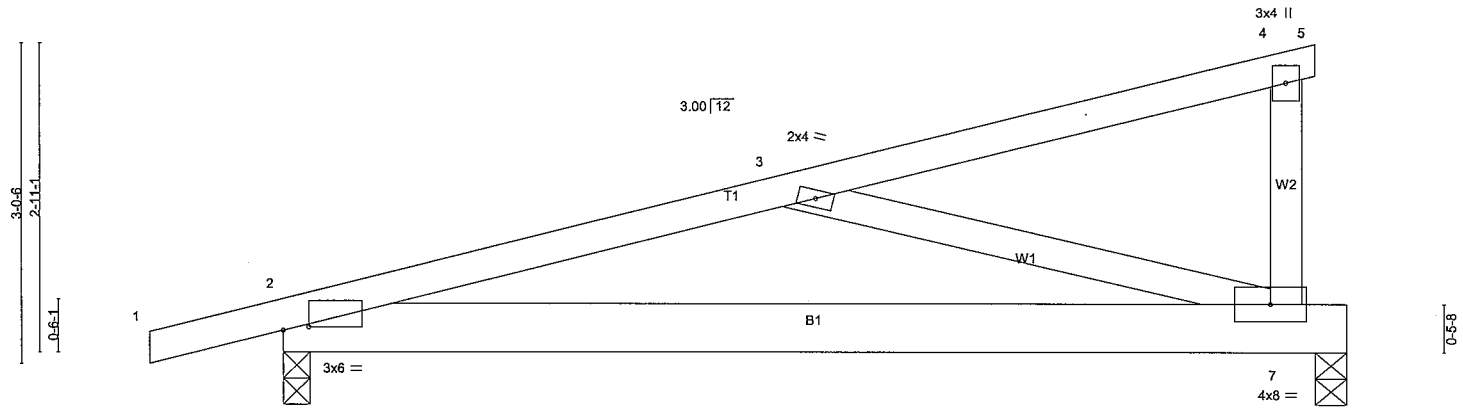
1-3-0	5-0-0	4-8-0

Scale = 1:20.8



9-8-0	9-11-8
9-8-0	0-3-8

Plate Offsets (X,Y)-- [2:0-2-14,0-0-6]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.44	Vert(LL)	-0.08	2-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.17	2-7	>688	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.19	2-7	>613	240	Weight: 50 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 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 8-11-13 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=475/0-3-0 (min. 0-1-8), 6=362/0-3-8 (min. 0-1-8)
Max Horz 2=91(LC 8)
Max Uplift2=-192(LC 8), 6=-152(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-681/434, 3-8=-614/447
BOT CHORD 2-7=-532/625
WEBS 3-7=-568/426

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-3-0 to 3-1-13, Interior(1) 3-1-13 to 9-8-0 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=192, 6=152.
5) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	M2	MONOPITCH	8	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:41 2022 Page 1
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1-3-0 | 4-8-8 | 0-3-8

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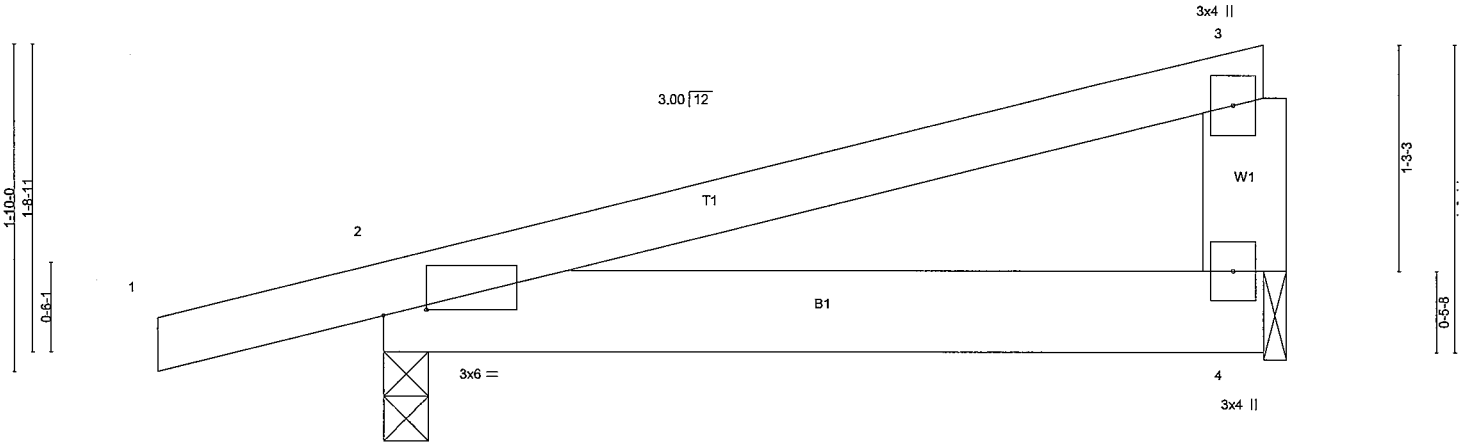

Plate Offsets (X,Y)-- [2:0-2-14,0-0-6]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.25	Vert(LL)	-0.01	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.01	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P		Wind(LL)	0.01	2-4	>999	240	Weight: 23 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-0 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=281/0-3-0 (min. 0-1-8), 4=174/0-1-8 (min. 0-1-8)
Max Horz 2=52(LC 8)
Max Uplift2=-123(LC 8), 4=-70(LC 8)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-3-0 to 3-1-13, Interior(1) 3-1-13 to 4-9-4 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) 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.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=123.
7) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	M3	MONOPITCH	5	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:41 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-G6KuqMM89KAJHJELHK3giPTUuzLarxpDAbUFP4zfFbW

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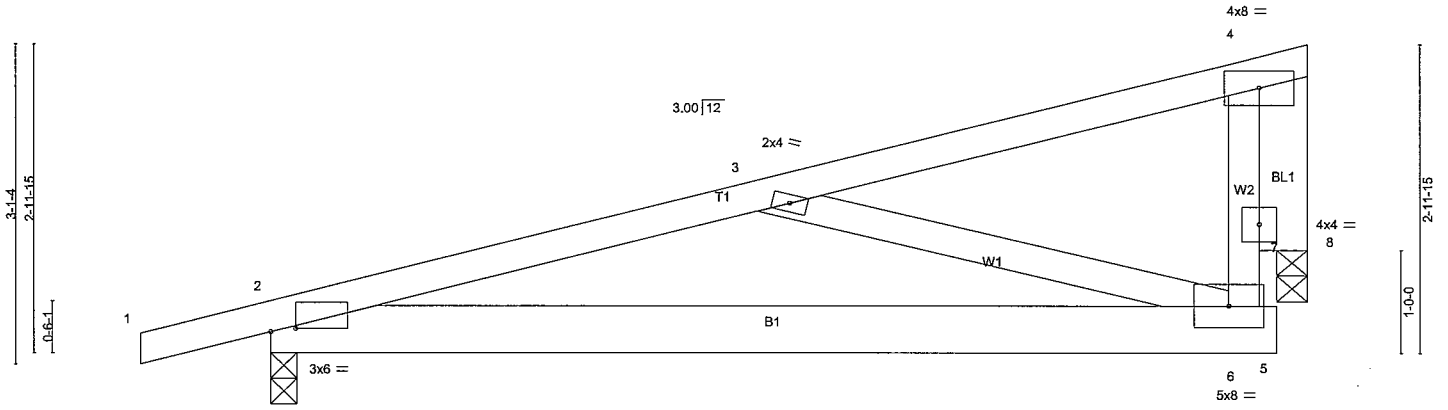
1-3-0	5-0-0	4-8-0	0-3-8

Scale = 1:21.3



9-11-8
9-11-8

Plate Offsets (X,Y)-- [2:0-2-14,0-0-6]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	-0.06	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.13	2-6	>924	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	-0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	-0.00	2-6	>999	240	Weight: 54 lb	FT = 20%

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

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) 2=475/0-3-0 (min. 0-1-8), 8=352/0-3-8 (min. 0-1-8)
Max Horz 2=89(LC 8)
Max Uplift2=-85(LC 8), 8=-43(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-724/212, 3-9=-657/226, 6-7=-18/266, 4-7=-18/266
BOT CHORD 2-6=-283/664
WEBS 3-6=-554/286, 4-8=-372/84

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-3-0 to 3-1-13, Interior(1) 3-1-13 to 9-4-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
6) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	PB1	PIGGYBACK	12	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:42 2022 Page 1
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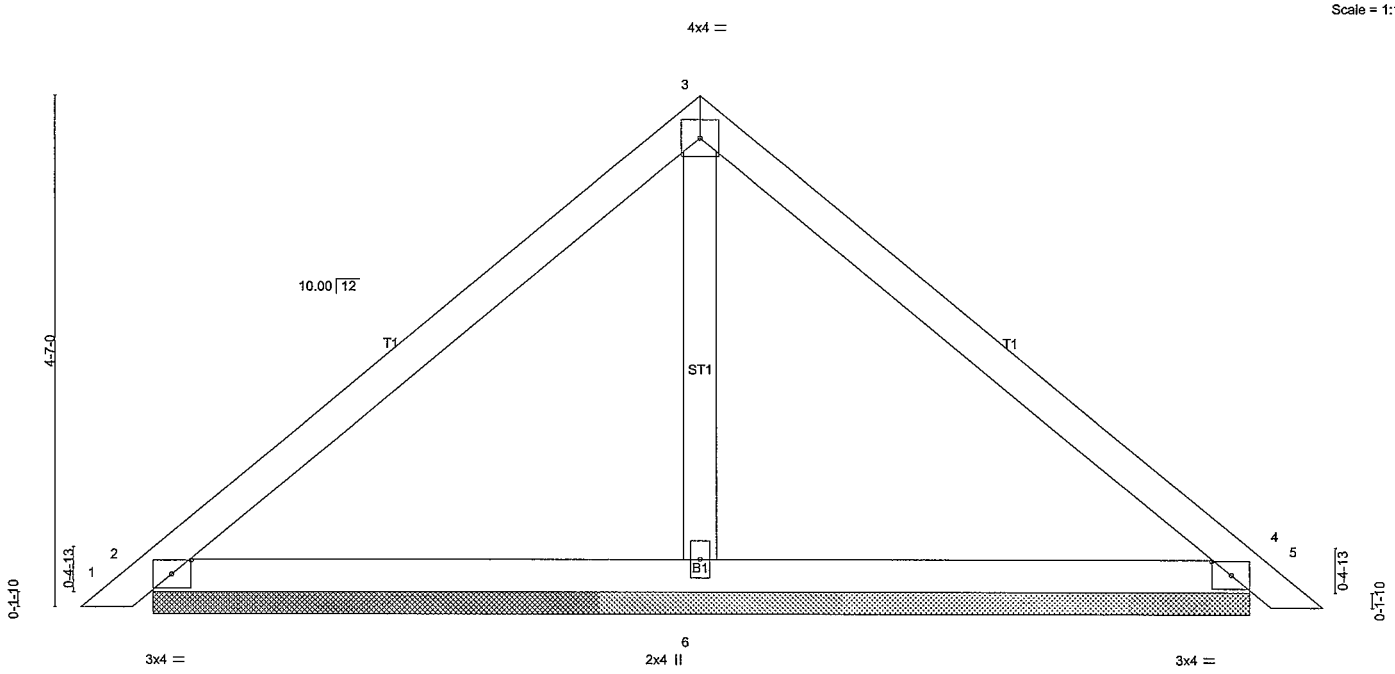
Scale = 1:19.6



11-0-0 / 11-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 41 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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

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

REACTIONS. (lb/size) 2=232/9-8-9 (min. 0-1-8), 4=232/9-8-9 (min. 0-1-8), 6=363/9-8-9 (min. 0-1-8)
Max Horz 2=-105(LC 10)
Max Uplift2=-27(LC 12), 4=-37(LC 13)

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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-2-12 to 4-7-9, Interior(1) 4-7-9 to 5-6-0, Exterior(2) 5-6-0 to 9-10-13, Interior(1) 9-10-13 to 10-9-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

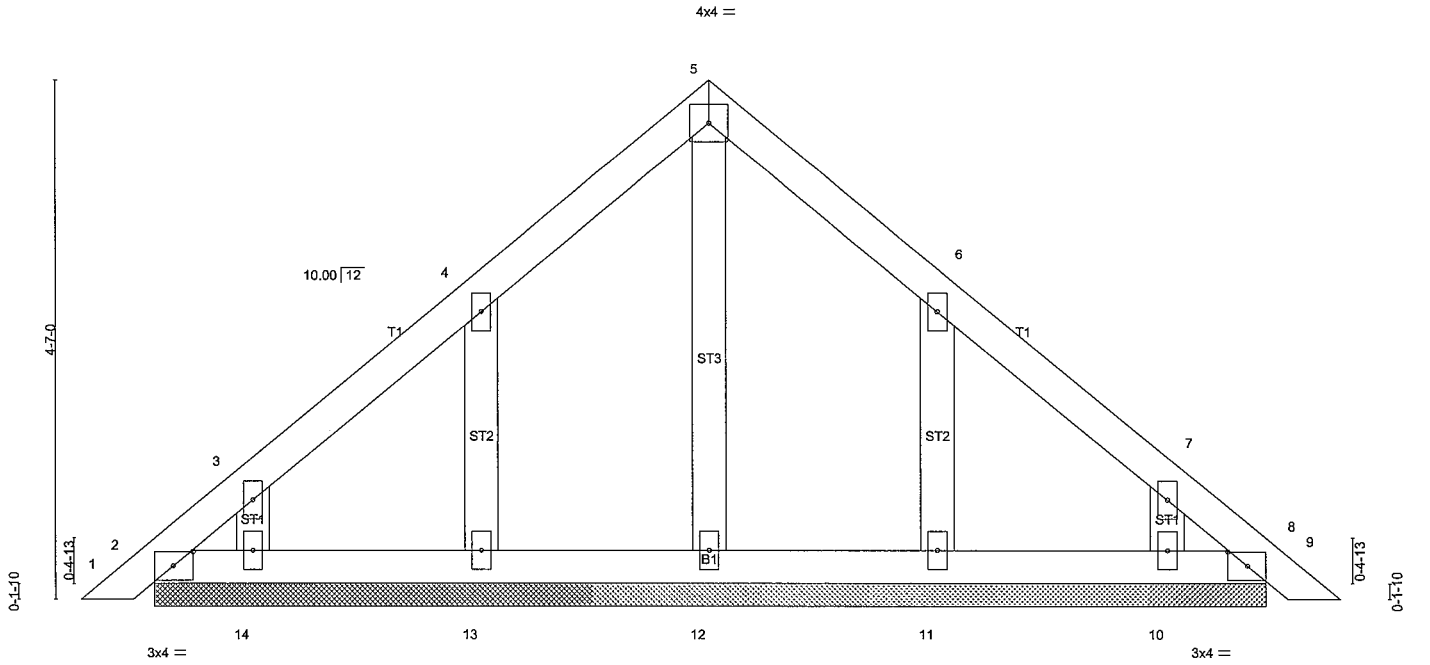
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	PB1GE	GABLE	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:43 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-CUReF2NOhxQ1XdOkPI59nqYwyn5CJuAVdvzMTzzfFbU

5-6-0 / 5-6-0 — 10-8-8 / 5-2-8 — 11-0-0 / 0-3-8

Scale = 1:19.4



11-0-0 / 11-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	-0.00	8	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	8	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 50 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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. All bearings 9-8-9.
(lb) - Max Horz 2=132(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 14, 10 except 13=-121(LC 12), 11=-121(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 14, 11, 10

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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 14, 10 except (jt=lb) 13=121, 11=121.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

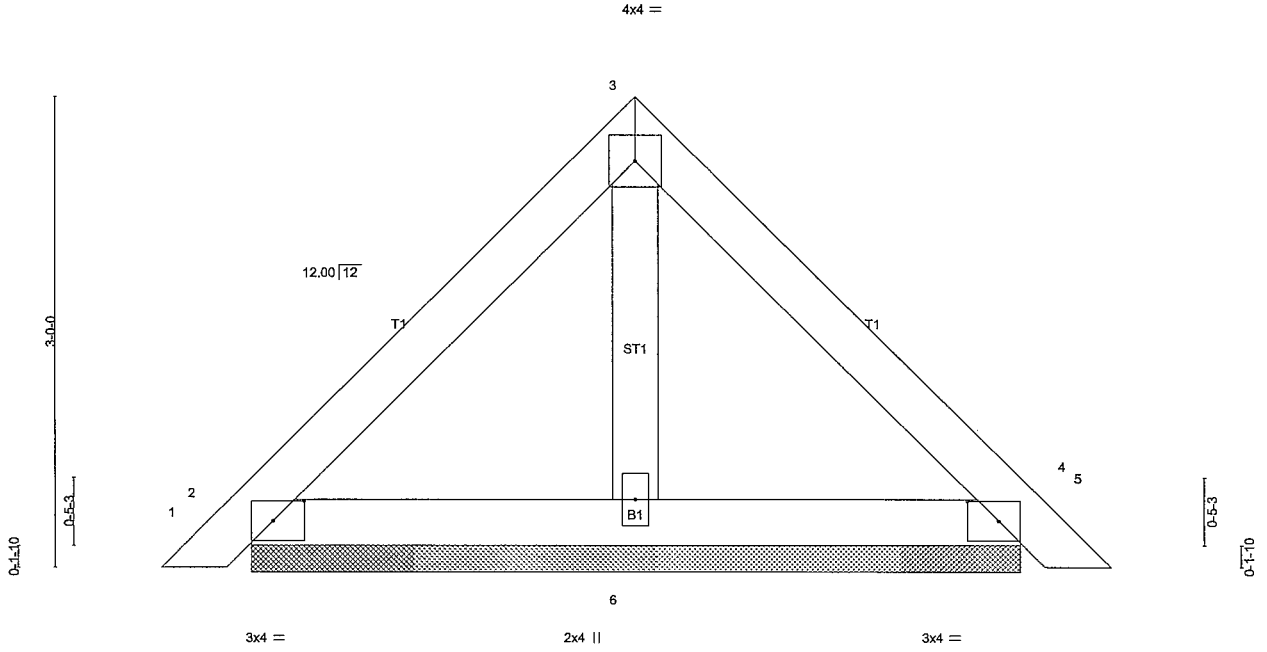
Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	PB2	Piggyback	9	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:44 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-gh?0TNO0SFYu8nzwyTcOK253kBR42LefsZjw?PzfFbT

3-0-0 | 5-8-8 | 6-0-0
3-0-0 | 2-8-8 | 0-3-8

Scale = 1:14.0



6-0-0
6-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 23 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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

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

REACTIONS. (lb/size) 2=142/4-10-6 (min. 0-1-8), 4=142/4-10-6 (min. 0-1-8), 6=149/4-10-6 (min. 0-1-8)
Max Horz 2=-84(LC 10)
Max Uplift2=-48(LC 13), 4=-54(LC 13)
Max Grav 2=142(LC 1), 4=142(LC 1), 6=151(LC 3)

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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	PB3	PIGGYBACK	18	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:44 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-gh?0TNO0SFYu8nzwyTcOK25zWBLh2J8fsZjw?PzfFbT

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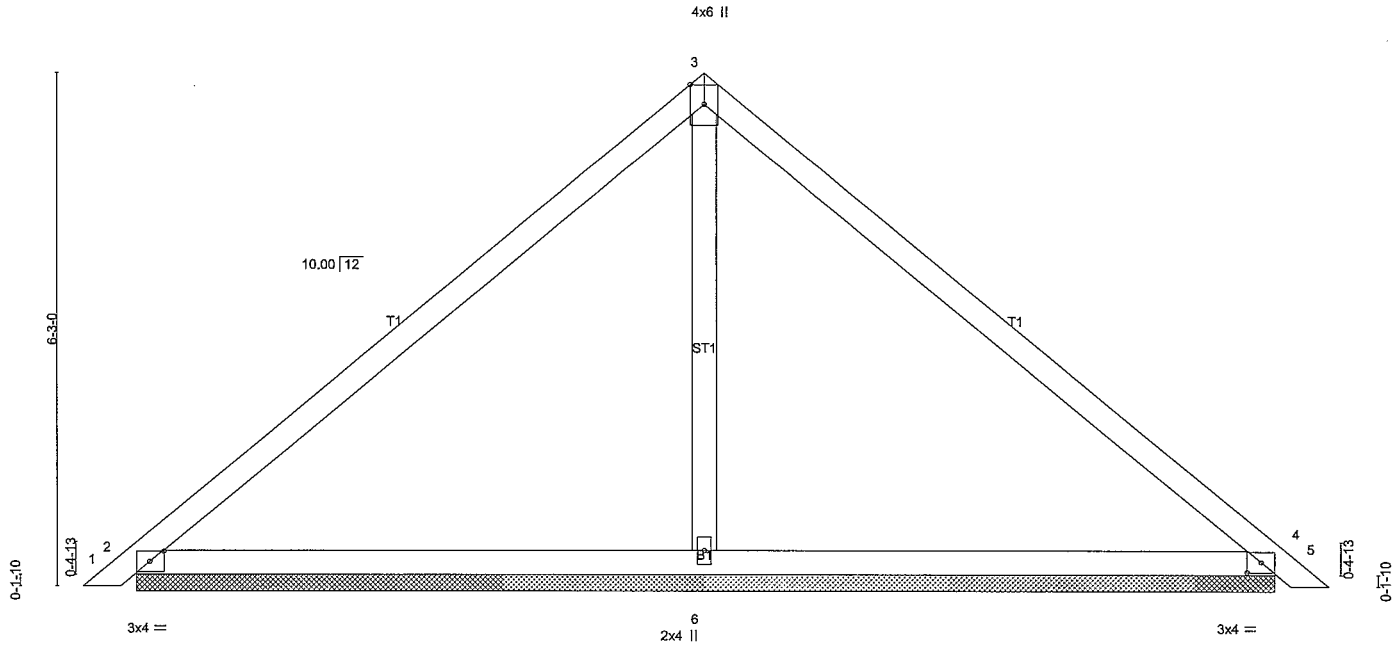
Scale = 1:26.7



15-0-0 / 15-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	0.02	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	0.04	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 58 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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

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

REACTIONS. (lb/size) 2=316/13-8-9 (min. 0-1-8), 4=316/13-8-9 (min. 0-1-8), 6=514/13-8-9 (min. 0-1-8)
Max Horz 2=-145(LC 10)
Max Uplift2=-36(LC 12), 4=-49(LC 13)
Max Grav 2=316(LC 1), 4=316(LC 1), 6=685(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-299/102

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-2-12 to 4-7-9, Interior(1) 4-7-9 to 7-6-0, Exterior(2) 7-6-0 to 11-10-13, Interior(1) 11-10-13 to 14-9-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	PB3GE	GABLE	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:45 2022 Page 1
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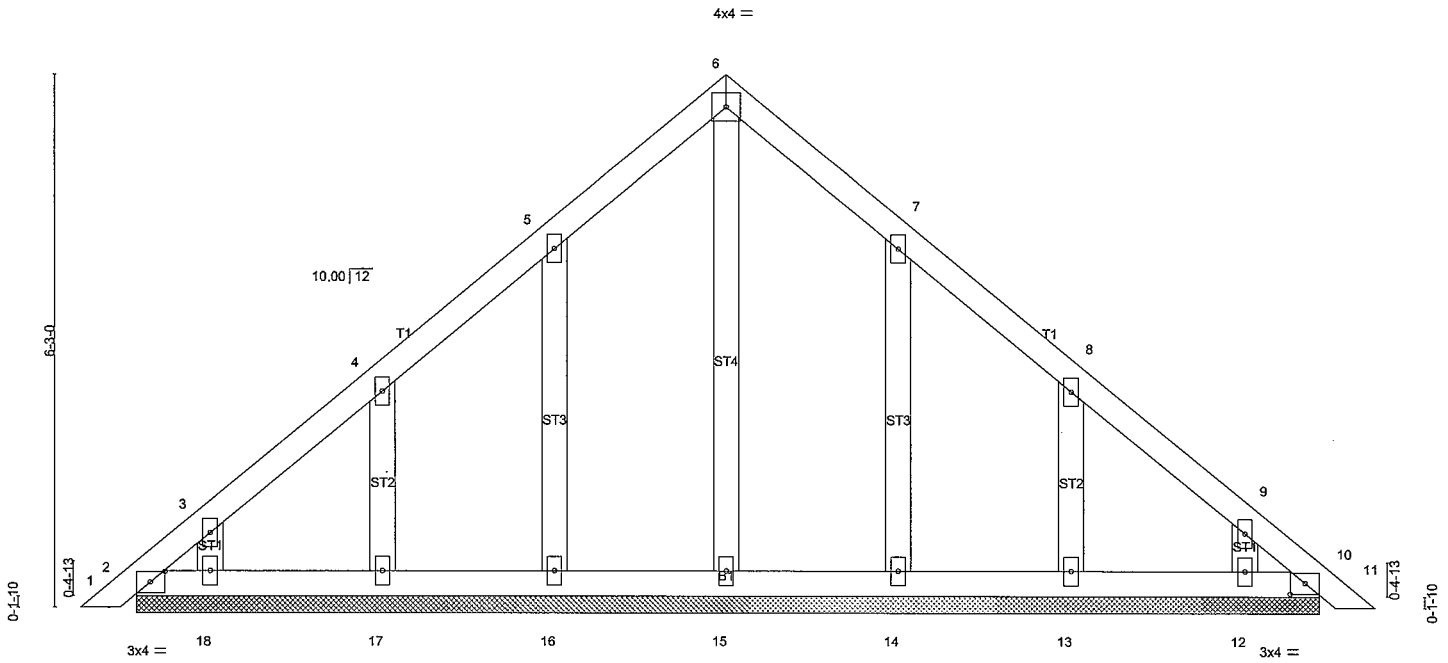
Scale = 1:25.7



15-0-0 / 15-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	-0.00	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	-0.00	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 77 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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. All bearings 13-8-9.
(lb) - Max Horz 2=-182(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 18, 12 except 16=-114(LC 12), 17=-115(LC 12), 14=-112(LC 13), 13=-116(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 15, 16, 17, 18, 14, 13, 12

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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 18, 12 except (jt=lb) 16=114, 17=115, 14=112, 13=116.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	T1	SCISSORS	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:46 2022 Page 1
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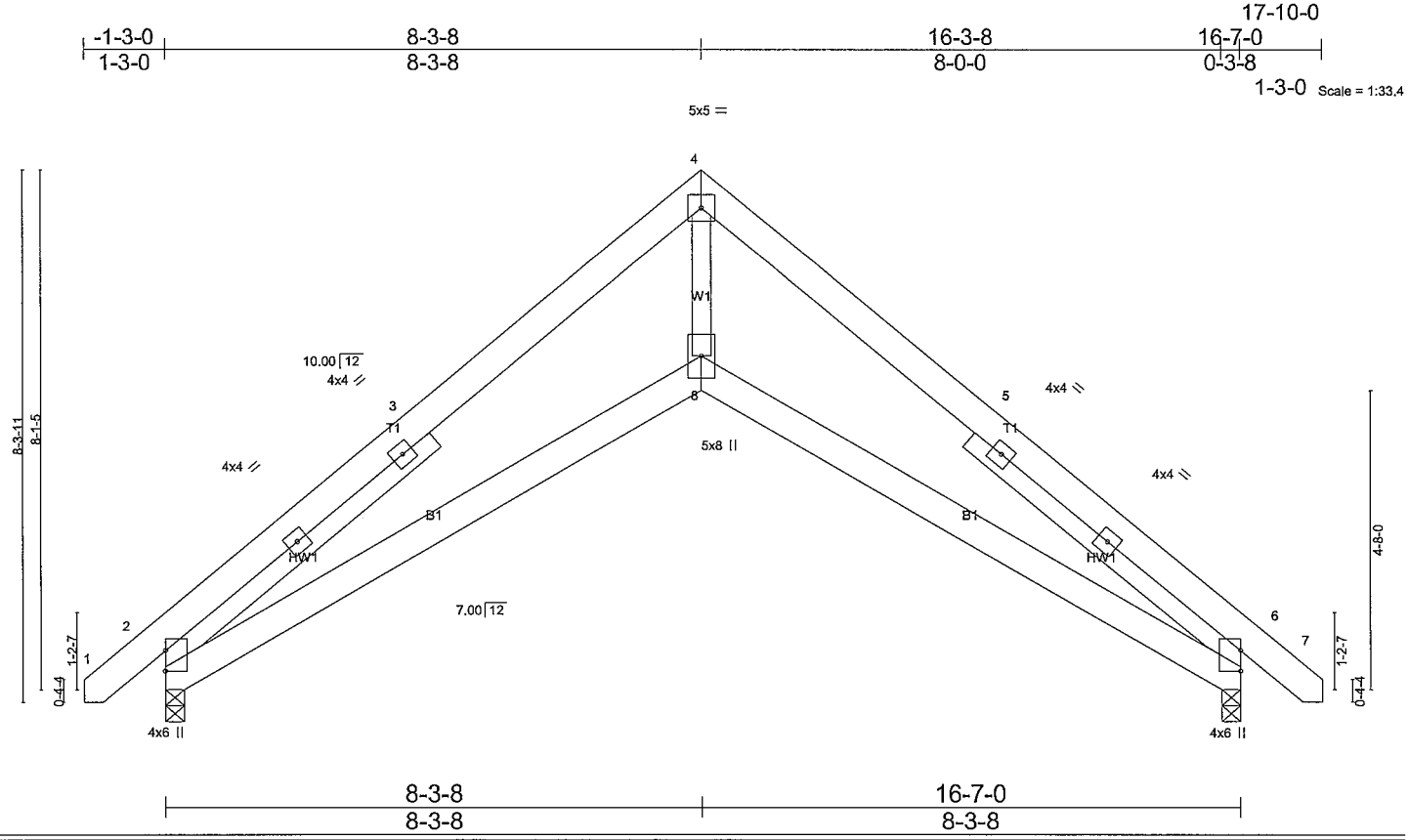

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	-0.05	6-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.11	6-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.10	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	-0.04	8	>999	240	Weight: 124 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 -x 5-5-8, Right 2x4 SP No.2 -x 5-5-8

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

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

REACTIONS. (lb/size) 2=725/0-3-8 (min. 0-1-8), 6=725/0-3-8 (min. 0-1-8)
Max Horz 2=-188(LC 10)
Max Uplift2=-43(LC 12), 6=-43(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-1405/9, 3-9=-1304/13, 3-4=-1203/49, 4-5=-1322/36, 5-10=-1322/0, 6-10=-1447/0
BOT CHORD 2-8=0/1194, 6-8=0/1188
WEBS 4-8=0/1319

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-1-4 to 3-3-9, Interior(1) 3-3-9 to 8-3-8, Exterior(2) 8-3-8 to 12-8-5, Interior(1) 12-8-5 to 17-8-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 2, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
7) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	T1GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:47 2022 Page 1
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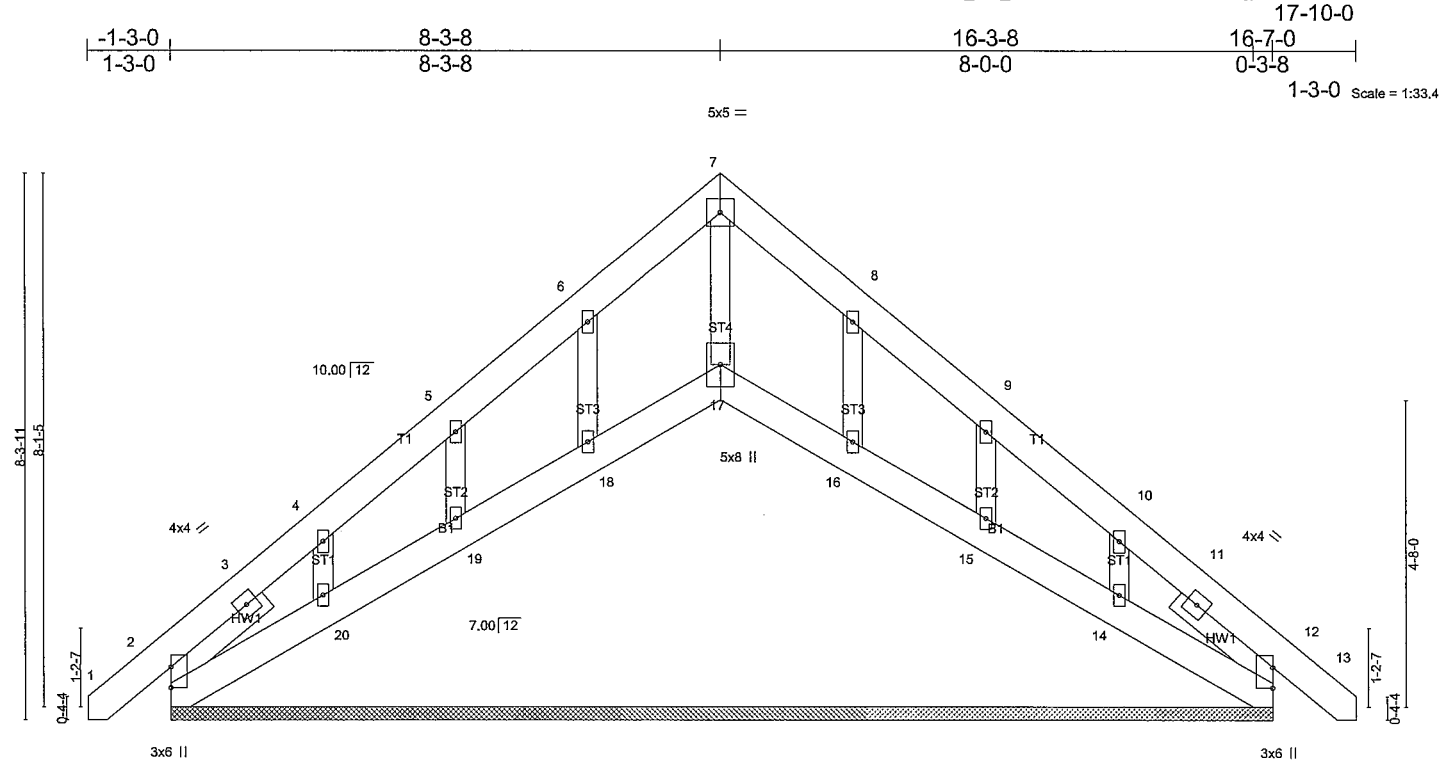

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	-0.00	12	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	-0.00	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 128 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 -x 1-11-4, Right 2x4 SP No.2 -x 1-11-4

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. All bearings 16-7-0.
(lb) - Max Horz 2=-235(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 17, 12, 19, 16 except 2=-193(LC 8), 18=-105(LC 12), 20=-203(LC 12), 15=-106(LC 13), 14=-177(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 12, 18, 19, 20, 16, 15, 14 except 2=287(LC 20), 17=433(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 6-7=-231/250, 7-8=-231/250

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 12, 19, 16 except (jt=lb) 2=193, 18=105, 20=203, 15=106, 14=177.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 17, 18, 19, 20, 16, 15, 14.
11) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	T2	SCISSORS	5	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:48 2022 Page 1
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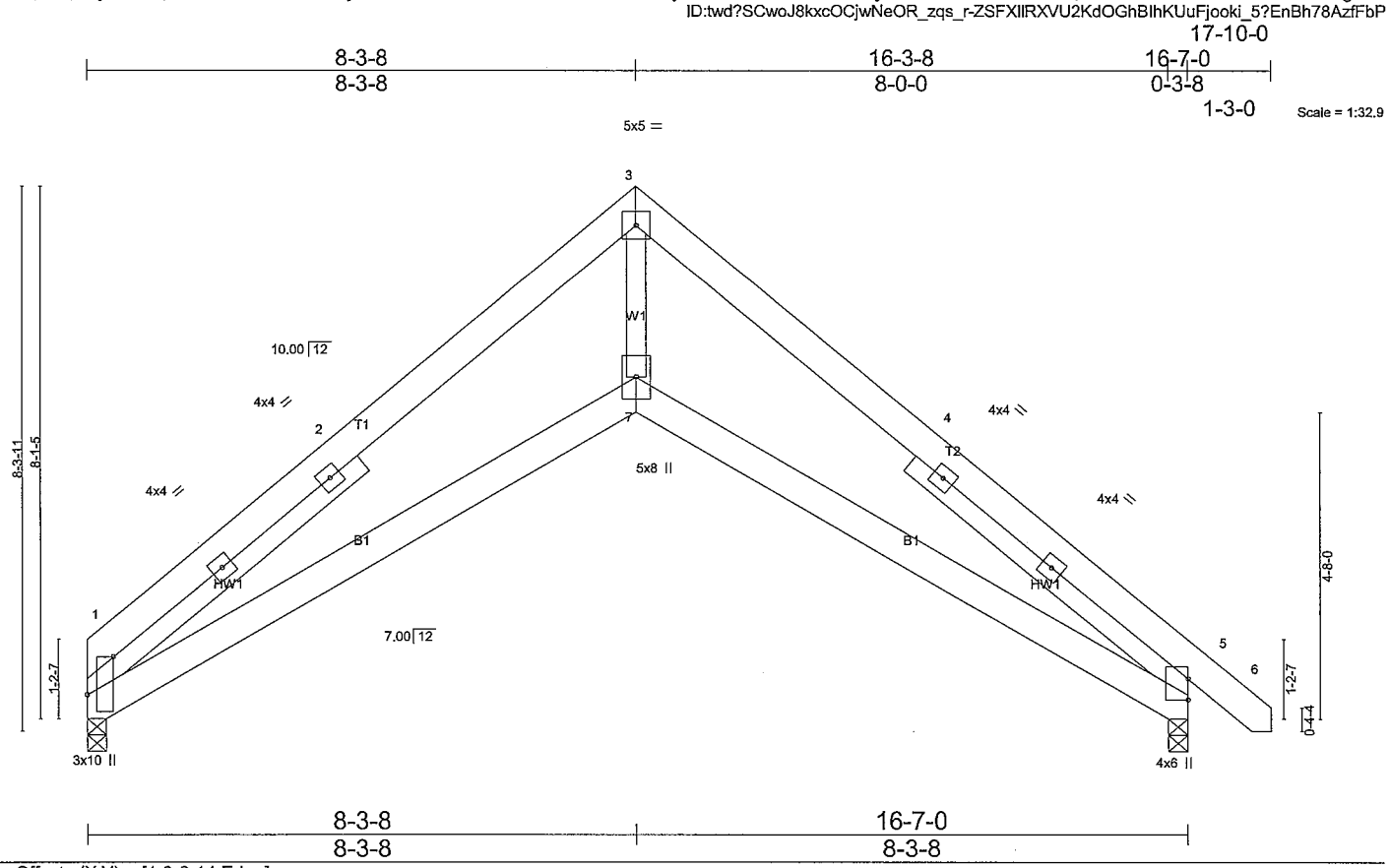


Plate Offsets (X,Y)-- [1:0-6-14,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	-0.05	1-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.26	Vert(CT)	-0.11	1-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.10	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	-0.04	7	>999	240	Weight: 121 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 -x 5-5-8, Right 2x4 SP No.2 -x 5-5-8

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=642/0-3-8 (min. 0-1-8), 5=728/0-3-8 (min. 0-1-8)
Max Horz 1=-186(LC 8)
Max Uplift1=-24(LC 12), 5=-43(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1416/35, 2-8=-1260/39, 3-8=-1217/73, 3-4=-1335/59, 4-9=-1335/27, 5-9=-1462/21
BOT CHORD 1-7=0/1206, 5-7=0/1200
WEBS 3-7=0/1332

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-2-12 to 4-7-9, Interior(1) 4-7-9 to 8-3-8, Exterior(2) 8-3-8 to 12-8-5, Interior(1) 12-8-5 to 17-8-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

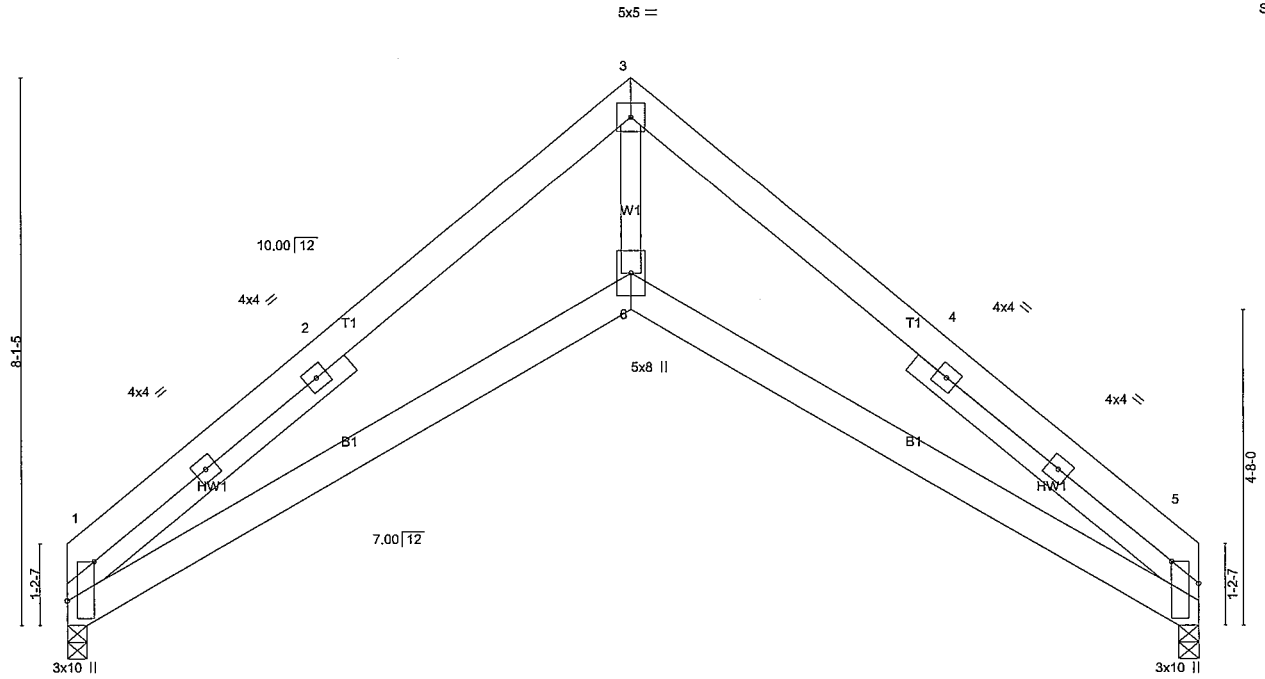
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	T3	SCISSORS	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:48 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-ZSFXIIRXVU2KdOGhBIhKUuFjrolj_5xEnBh78AzfFbP

8-3-8 | 16-3-8 | 16-7-0
8-3-8 | 8-0-0 | 0-3-8

Scale = 1:32.5



8-3-8 | 16-7-0
8-3-8 | 8-3-8

Plate Offsets (X,Y)-- [1:0-6-14,Edge], [5:0-3-15,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	-0.05	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.26	Vert(CT)	-0.11	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.10	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	-0.04	6	>999	240	Weight: 118 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 -x 5-5-8, Right 2x4 SP No.2 -x 5-5-8

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=645/0-3-8 (min. 0-1-8), 5=645/0-3-8 (min. 0-1-8)
Max Horz 1=-182(LC 8)
Max Uplift1=-24(LC 12), 5=-24(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1431/54, 2-7=-1274/59, 3-7=-1231/92, 3-8=-1315/79, 4-8=-1338/45, 4-5=-1466/43
BOT CHORD 1-6=-9/1206, 5-6=0/1201
WEBS 3-6=0/1335

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-2-12 to 4-7-9, Interior(1) 4-7-9 to 8-3-8, Exterior(2) 8-3-8 to 12-8-5, Interior(1) 12-8-5 to 16-4-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

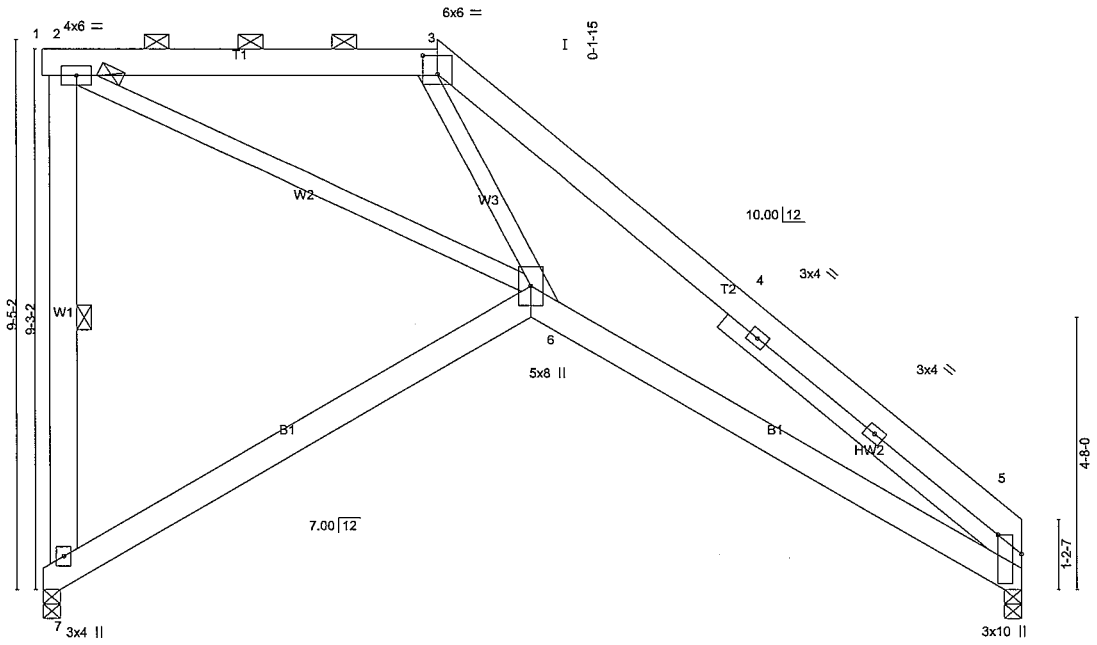
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	T4	HALF HIP	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:49 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-1eovW5S9GnABFYrtl0CZ15oqwC5EjZiO0rQhhczfFbO

6-8-9 | 16-3-8 | 16-7-0
6-8-9 | 9-6-15 | 0-3-8

Scale = 1:37.6



8-3-8 | 16-7-0
8-3-8 | 8-3-8

Plate Offsets (X,Y)-- [3:0-3-0,0-3-14], [5:0-3-15,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.46	Vert(LL)	-0.06	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.12	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.11	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	-0.08	6	>999	240	Weight: 141 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W1: 2x6 SP No.1
SLIDER Right 2x4 SP No.2 -x 6-6-15

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

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

REACTIONS. (lb/size) 5=640/0-3-8 (min. 0-1-8), 7=661/0-3-8 (min. 0-1-8)
Max Horz 7=-287(LC 13)
Max Uplift7=-108(LC 8)
Max Grav 5=640(LC 24), 7=661(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-588/157, 2-8=-752/137, 3-8=-750/138, 3-4=-1168/0, 4-9=-1274/0, 5-9=-1381/0
BOT CHORD 6-7=-393/431, 5-6=0/1098
WEBS 2-6=-158/828, 3-6=-150/671

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 6-8-9, Exterior(2) 6-8-9 to 12-11-4, Interior(1) 12-11-4 to 16-4-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 5, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=108.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

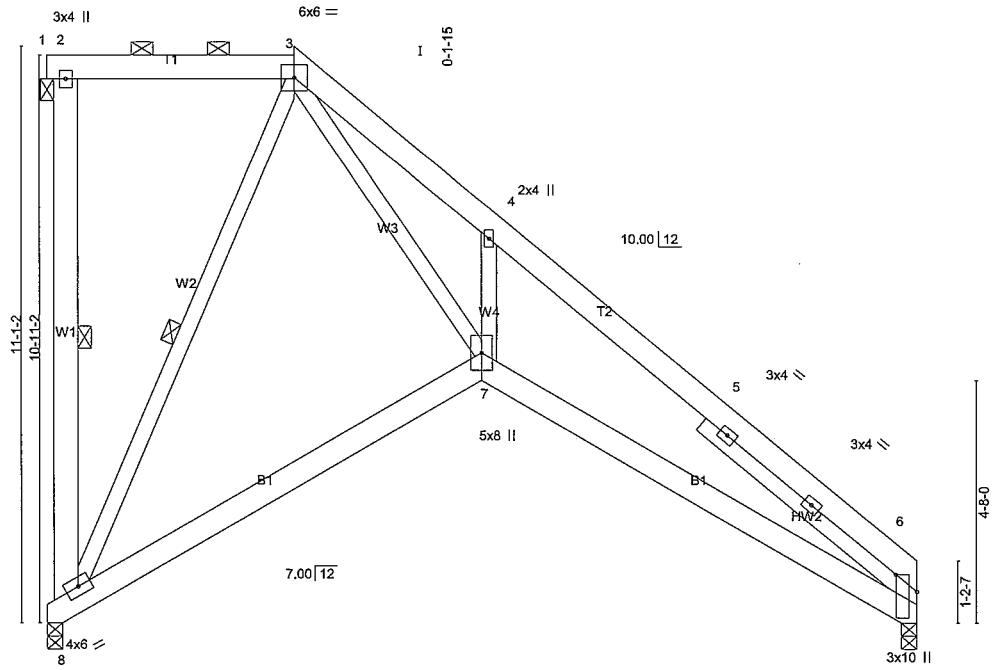
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	T5	HALF HIP	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:50 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-VrMHjRTn15l1siQ4JjjoZJL2WbRLS__XEVAED3zfFbN

4-8-9 | 8-3-8 | 16-3-8 | 16-7-0
4-8-9 | 3-6-15 | 8-0-0 | 0-3-8

Scale = 1:42.2



8-3-8 | 16-7-0
8-3-8 | 8-3-8

Plate Offsets (X,Y)-- [6:0-3-15,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	-0.05	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.12	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.10	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	-0.02	7	>999	240	Weight: 154 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W1: 2x6 SP No.1
SLIDER Right 2x4 SP No.2 -x 5-4-6

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

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

REACTIONS. (lb/size) 6=640/0-3-8 (min. 0-1-8), 8=661/0-3-8 (min. 0-1-8)
Max Horz 8=-342(LC 13)
Max Uplift8=-135(LC 13)
Max Grav 6=640(LC 24), 8=661(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1279/0, 4-10=-1217/0, 10-11=-1220/0, 5-11=-1259/0, 5-6=-1415/0
BOT CHORD 7-8=-293/495, 6-7=0/1124
WEBS 3-7=0/1289, 4-7=-566/524, 3-8=-619/60

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 4-8-9, Exterior(2) 4-8-9 to 10-11-4, Interior(1) 10-11-4 to 16-4-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 6, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=135.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

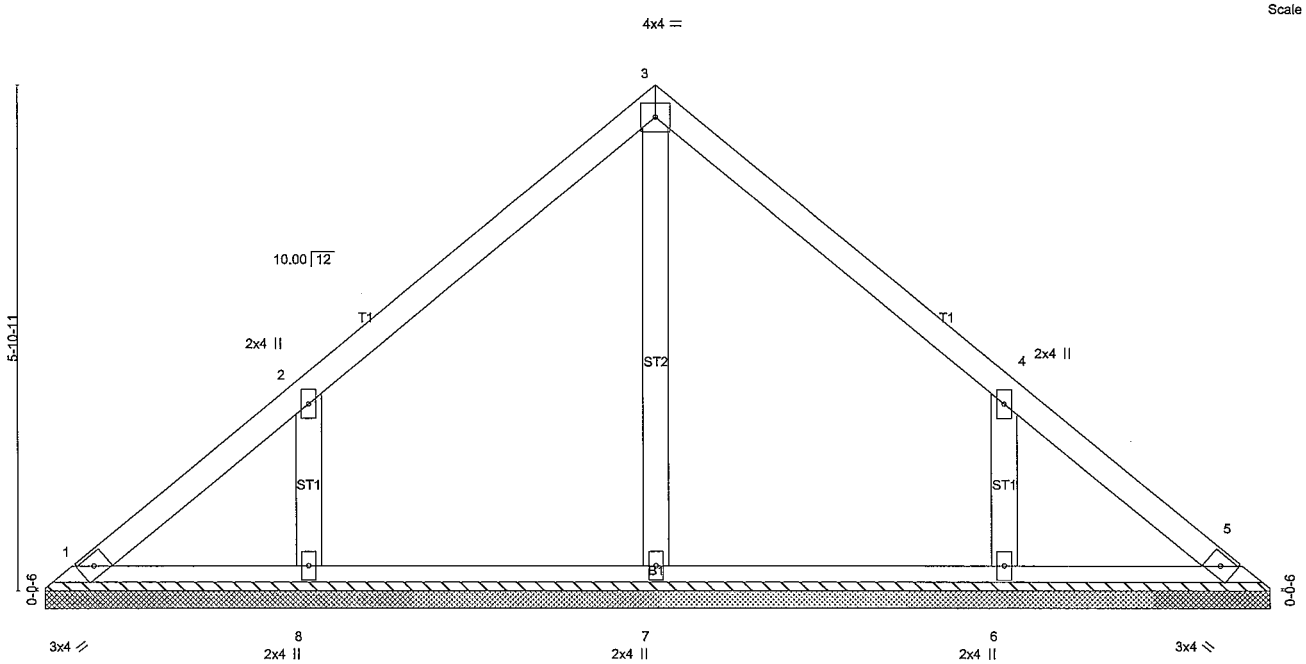
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	VE1	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:50 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-VrMHjRTn15i1siQ4JjjoZJL4kbTqS20XEVAED3zfFbN

7-0-13 | 13-10-2 | 14-1-10
7-0-13 | 6-9-5 | 0-3-8

Scale = 1:25.5



14-1-3 | 14-1-10
14-1-3 | 0-0-7

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 61 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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. All bearings 14-0-12.
(lb) - Max Horz 1=-133(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1 except 8=-130(LC 12), 6=-130(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=351(LC 19), 6=350(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-327/242, 4-6=-327/242

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-13 to 4-9-10, Interior(1) 4-9-10 to 7-0-13, Exterior(2) 7-0-13 to 11-5-10, Interior(1) 11-5-10 to 13-8-13 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=130, 6=130.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

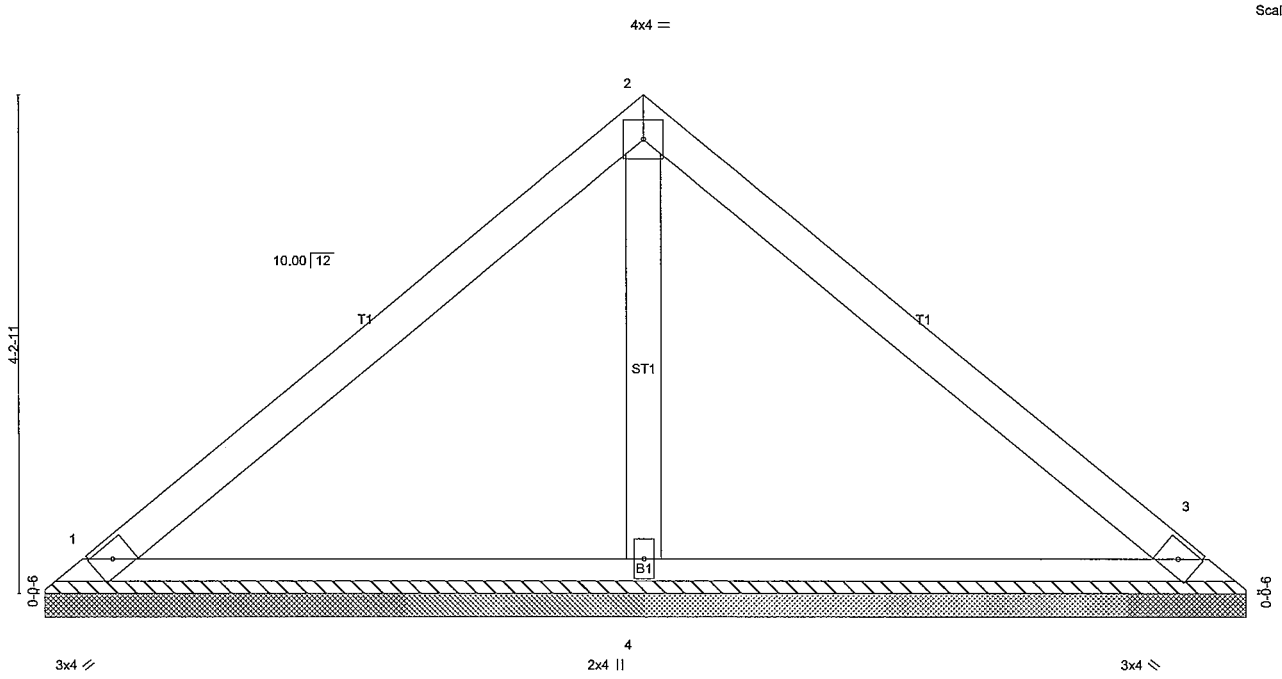
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	VE2	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:51 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-z1wgxnUPoPQuUs?GtRE16WtEz?ouBWhhT8vnlVzfFbM

5-0-13	9-10-2	10-1-10
5-0-13	4-9-5	0-3-8

Scale = 1:18.6



10-1-3	10-1-10
10-1-3	0-0-7

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 38 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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=199/10-0-12 (min. 0-1-8), 3=199/10-0-12 (min. 0-1-8), 4=348/10-0-12 (min. 0-1-8)
Max Horz 1=-93(LC 8)
Max Uplift1=-22(LC 13), 3=-30(LC 13)

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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

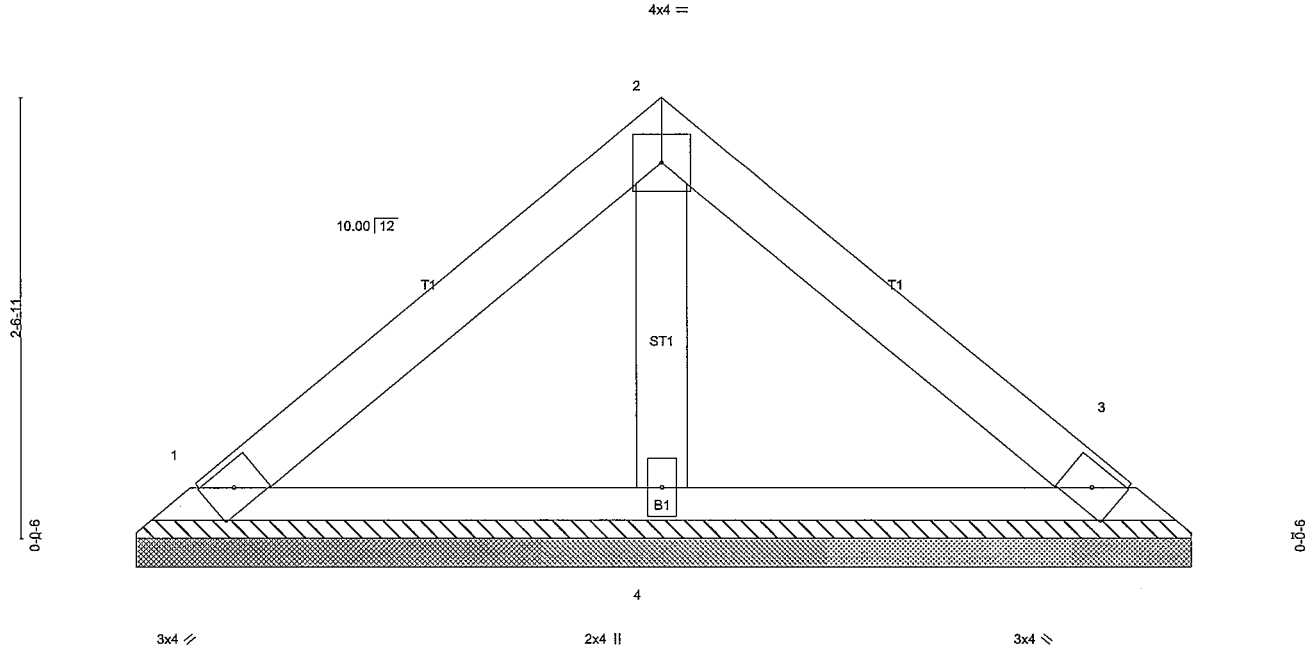
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	VE3	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:52 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-RDU286U1ZiYl60aSQ8lGekQRjPApwzaqiofLHxzfFbL

3-0-13 | 5-10-2 | 6-1-10
3-0-13 | 2-9-5 | 0-3-8

Scale = 1:12.7



6-1-3 | 6-1-10
6-1-3 | 0-0-7

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 22 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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=123/6-0-12 (min. 0-1-8), 3=123/6-0-12 (min. 0-1-8), 4=180/6-0-12 (min. 0-1-8)
Max Horz 1=-53(LC 8)
Max Uplift1=-19(LC 13), 3=-23(LC 13)

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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

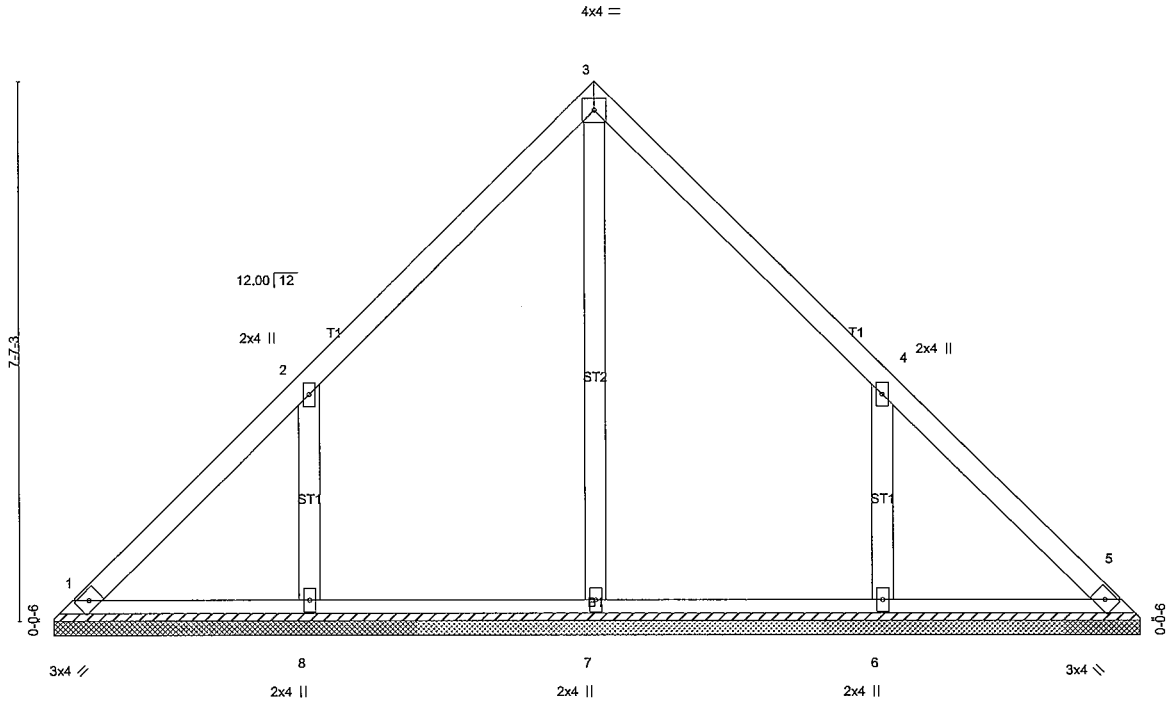
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	VK1	VALLEY	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:52 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-RDU286U1ZiYl60aSQ8lGekQQqP8owyvqiofLHxzfFbL

7-7-3 | 14-10-14 | 15-2-6
7-7-3 | 7-3-11 | 0-3-8

Scale = 1:30.9



15-2-0 | 15-2-6
15-2-0 | 0-0-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 72 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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. All bearings 15-1-10.
(lb) - Max Horz 1=-174(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-182(LC 12), 6=-182(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=413(LC 22), 8=454(LC 19), 6=454(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-394/305, 4-6=-394/305

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 7-7-3, Exterior(2) 7-7-3 to 12-0-0, Interior(1) 12-0-0 to 14-10-2 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=182, 6=182.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

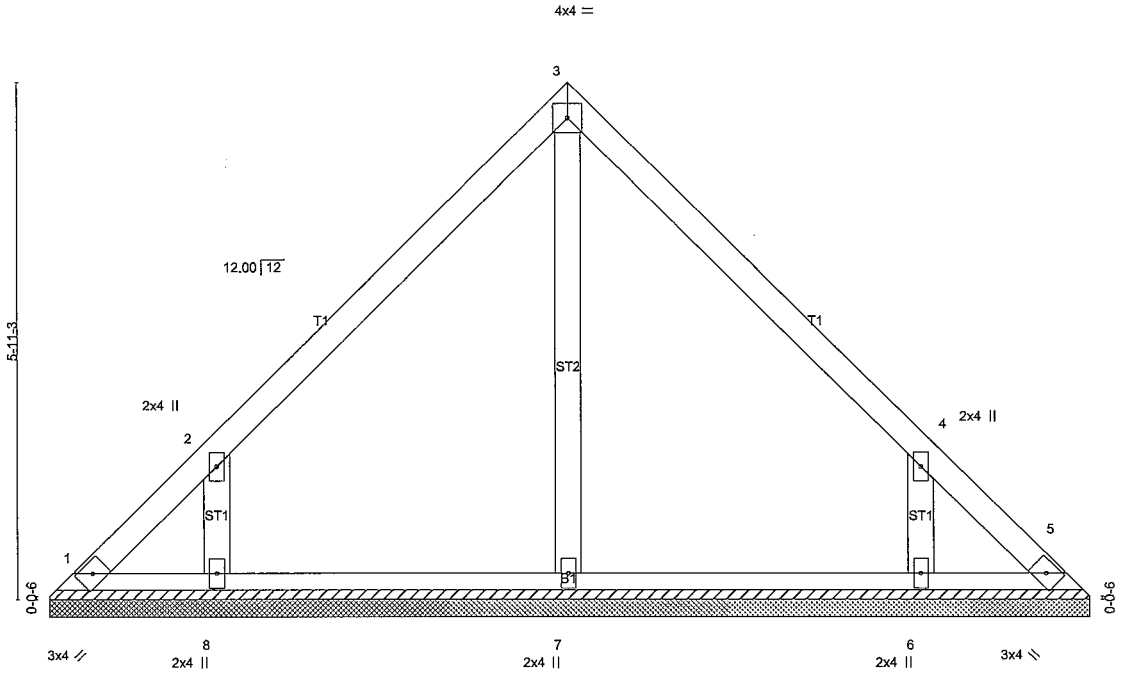
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	VK2	VALLEY	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:53 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-vQ2QMSVfK0gcjA9f_sHVBxzbrpUTfPw_wSOuqNzfFbK

5-11-3 | 11-6-14 | 11-10-6
5-11-3 | 5-7-11 | 0-3-8

Scale = 1:25.2



11-10-0 | 11-10-6
11-10-0 | 0-0-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 53 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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. All bearings 11-9-10.
(lb) - Max Horz 1=-134(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-160(LC 12), 6=-160(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=338(LC 19), 6=338(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-357/298, 4-6=-357/298

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 5-11-3, Exterior(2) 5-11-3 to 10-4-0, Interior(1) 10-4-0 to 11-6-2 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=160, 6=160.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

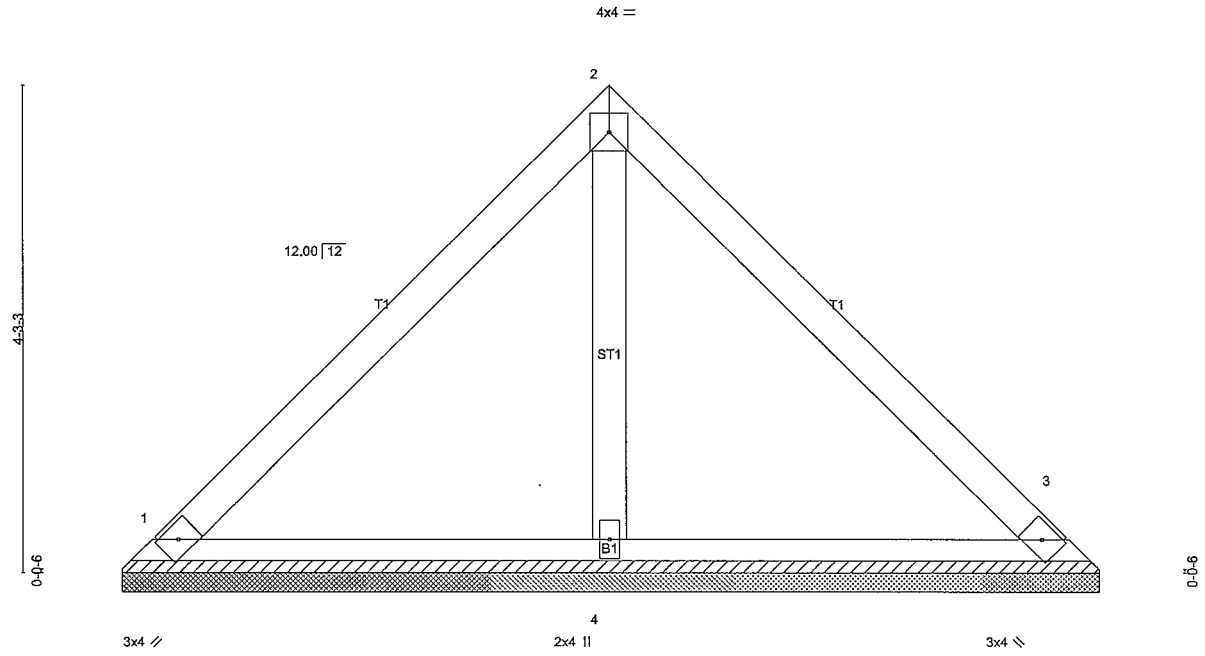
Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	VK3	VALLEY	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:54 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-NccoZoWH5KoTLJkrYZokk9VkhDqLOth7968RMqzfFbJ

4-3-3 | 8-2-14 | 8-6-6
4-3-3 | 3-11-11 | 0-3-8

Scale = 1:19.2



8-6-0 | 8-6-6
8-6-0 | 0-0-6

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 35 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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=191/8-5-10 (min. 0-1-8), 3=191/8-5-10 (min. 0-1-8), 4=245/8-5-10 (min. 0-1-8)
Max Horz 1=-94(LC 8)
Max Uplift1=-34(LC 13), 3=-34(LC 13)

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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

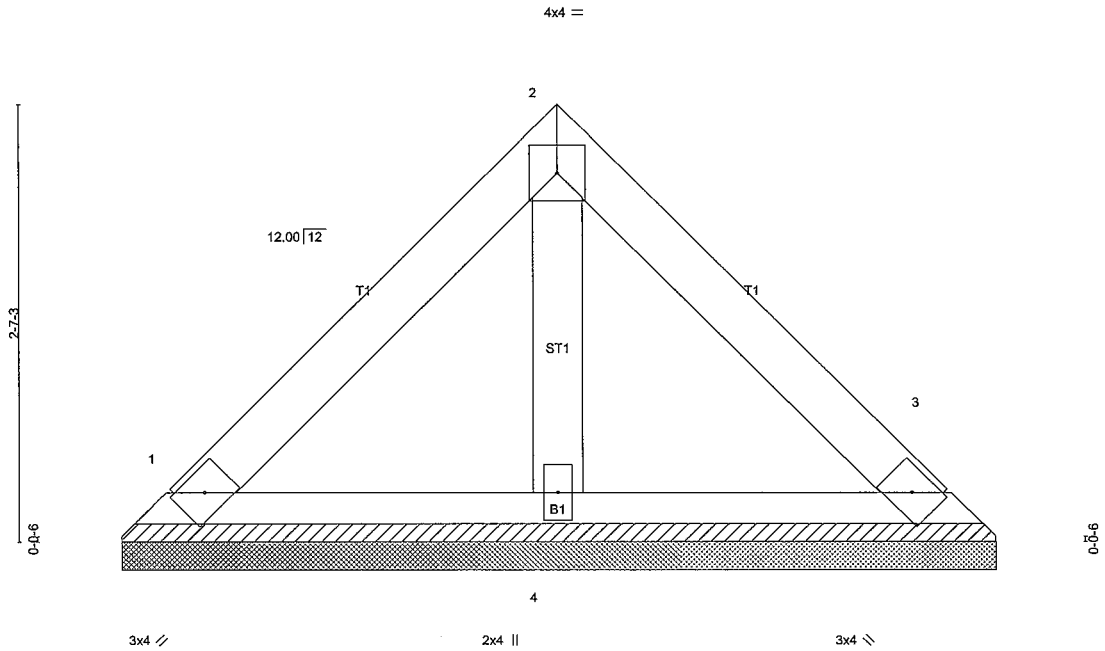
Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	VK4	VALLEY	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:54 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-NccoZoWH5KoTLJkrYZokk9VnWDrWOt77968RMqzfFbJ

2-7-3 | 4-10-14 | 5-2-6
2-7-3 | 2-3-11 | 0-3-8

Scale = 1:13.0



5-2-0 | 5-2-6
5-2-0 | 0-0-6

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 20 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 1=109/5-1-10 (min. 0-1-8), 3=109/5-1-10 (min. 0-1-8), 4=141/5-1-10 (min. 0-1-8)
Max Horz 1=-54(LC 8)
Max Uplift1=-20(LC 13), 3=-20(LC 13)

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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

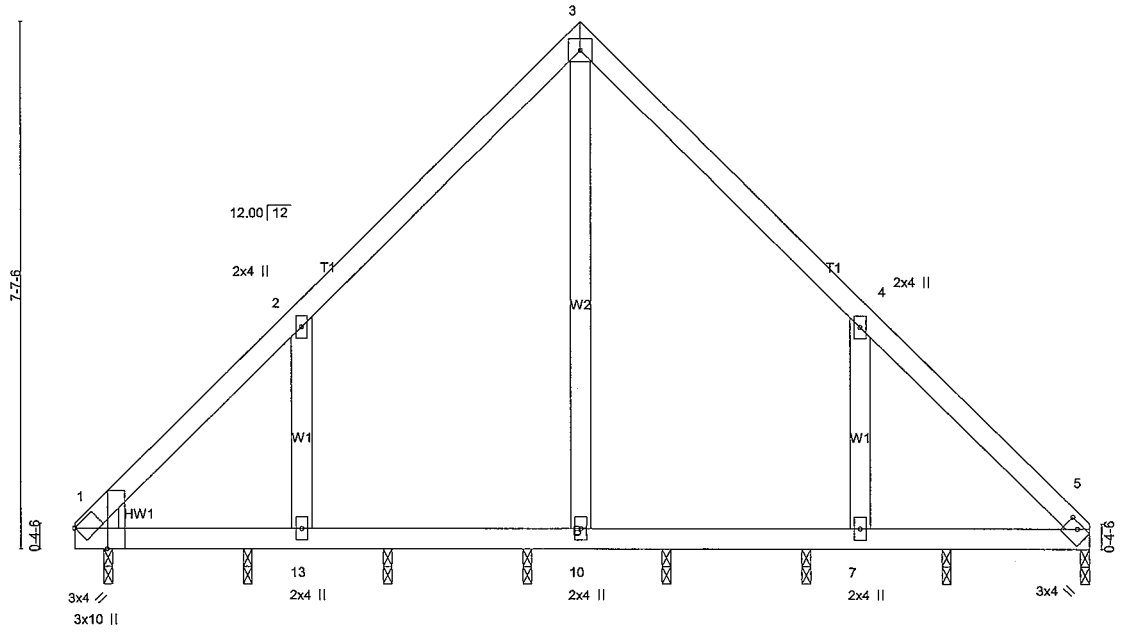
Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	VL1	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:55 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-roAAm8XwsdwKzTl16HJzGM2xHc987JSGOmt?uGzfFbI

3-3-0	7-3-0	11-3-0	14-2-8	14-6-0
3-3-0	4-0-0	4-0-0	2-11-8	0-3-8

4x4 =

Scale = 1:31.7



0-5-0	2-5-0	3-3-0	4-5-0	6-5-0	7-3-0	8-6-8	10-6-8	11-3-0	12-6-8	14-6-0
0-5-0	2-0-0	0-10-0	1-2-0	2-0-0	0-10-0	1-3-8	2-0-0	0-8-8	1-3-8	1-11-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	-0.00	13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.00	7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.00	13	>999	240	Weight: 72 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

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. All bearings 0-1-8.
(lb) - Max Horz 1=-174(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 5, 1, 12, 6 except 14=-136(LC 12), 8=-143(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 5, 1, 12, 11, 9, 6 except 14=266(LC 19), 8=297(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-13=-381/304, 4-7=-383/302

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-2-5 to 4-7-2, Interior(1) 4-7-2 to 7-3-0, Exterior(2) 7-3-0 to 11-7-13, Interior(1) 11-7-13 to 14-5-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5, 1, 14, 12, 11, 9, 8, 6.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 1, 12, 6 except (jt=lb) 14=136, 8=143.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

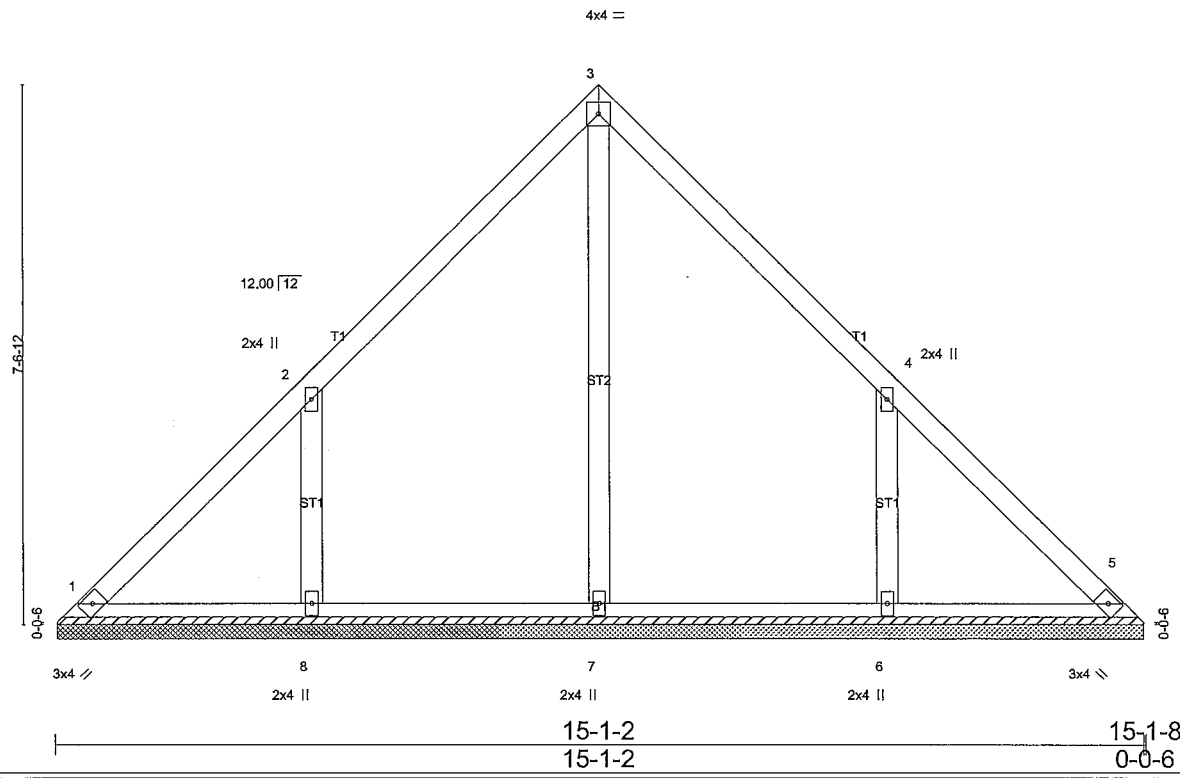
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	VL2	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:56 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-K?kZ_UXYdx3BadtEf_qCpab6q0VlsmvQdQdYRizfFbH

7-6-12 / 7-6-12 — 14-10-0 / 7-3-4 — 15-1-8 / 0-3-8

Scale = 1:30.7



15-1-2 / 15-1-2 — 15-1-8 / 0-0-6

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 72 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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. All bearings 15-0-12.
(lb) - Max Horz 1=-173(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-181(LC 12), 6=-181(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=413(LC 22), 8=451(LC 19), 6=451(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-392/304, 4-6=-392/304

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 7-6-12, Exterior(2) 7-6-12 to 11-11-9, Interior(1) 11-11-9 to 14-9-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=181, 6=181.
7) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	VL3	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:57 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-oBHxBqYAOFB2CnSQDhLRLn7HqQsPbDwZr4M6z9zfFbG

5-10-12 | 11-6-0 | 11-9-8
5-10-12 | 5-7-4 | 0-3-8

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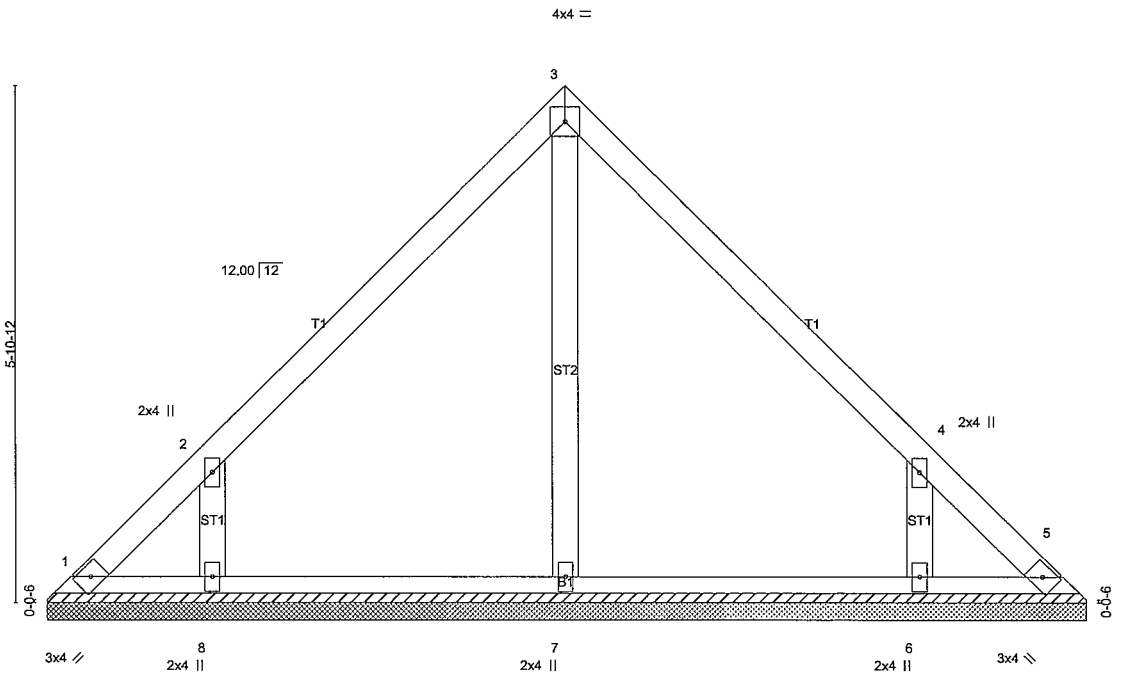

11-9-2 | 11-9-8
11-9-2 | 0-0-6

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.14	Vert(LL) n/a - n/a 999	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.09	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.07	Horz(CT) 0.00 5 n/a n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S		Weight: 53 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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. All bearings 11-8-12.
(lb) - Max Horz 1=-133(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-161(LC 12), 6=-160(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=338(LC 19), 6=338(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-358/299, 4-6=-358/299

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 5-10-12, Exterior(2) 5-10-12 to 10-3-9, Interior(1) 10-3-9 to 11-5-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=161, 6=160.
7) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	VL4	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:58 2022 Page 1
ID:twd?SCwoJ8kxcOCjwNeOR_zqs_r-GNrJPAZo9YJvqx1cnPsgu?gQmqCJKgij4k6fVbzfFbF

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4-2-12 | 3-11-4 | 0-3-8

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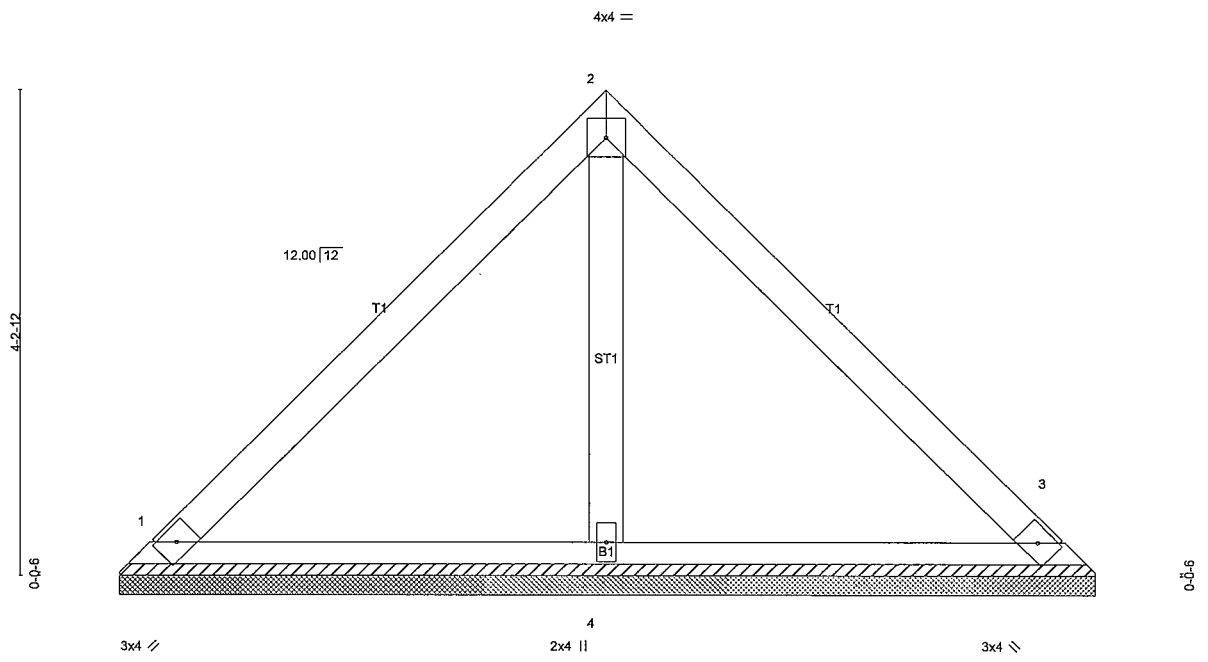

8-5-2 | 8-5-8
8-5-2 | 0-0-6

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 34 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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=189/8-4-12 (min. 0-1-8), 3=189/8-4-12 (min. 0-1-8), 4=243/8-4-12 (min. 0-1-8)
Max Horz 1=-93(LC 8)
Max Uplift1=-34(LC 13), 3=-34(LC 13)

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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
7) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	VL5	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:59 2022 Page 1
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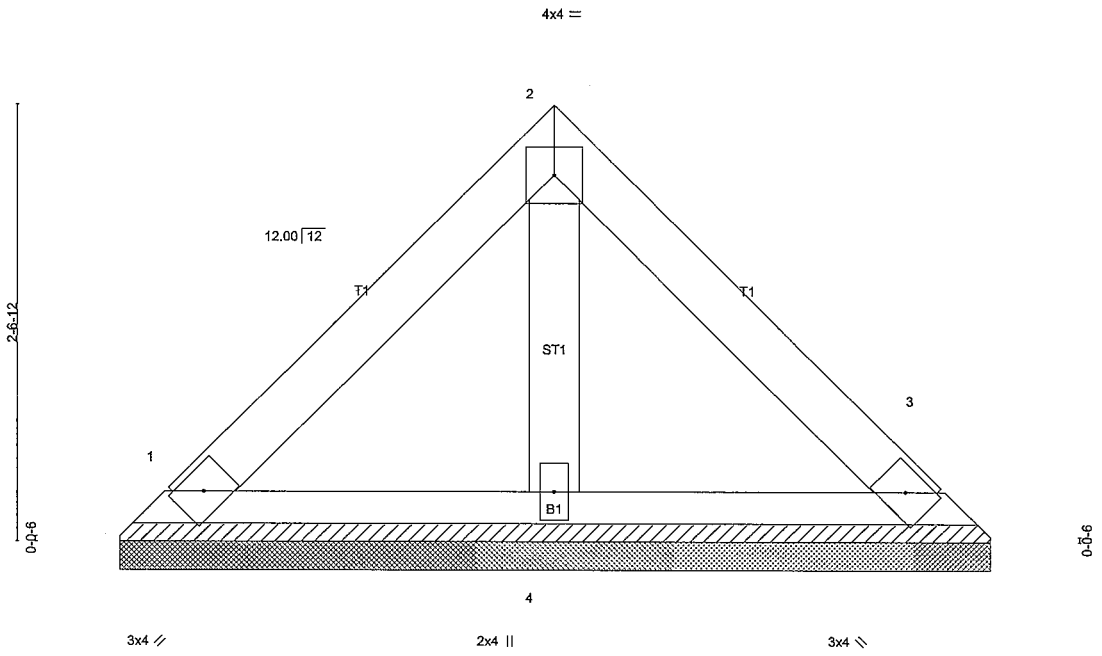
2-6-12 | 4-10-0 | 5-1-8
2-6-12 | 2-3-4 | 0-3-8

Scale = 1:12.9



5-1-2 | 5-1-8
5-1-2 | 0-0-6

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 20 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-8 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=108/5-0-12 (min. 0-1-8), 3=108/5-0-12 (min. 0-1-8), 4=138/5-0-12 (min. 0-1-8)
Max Horz 1=-53(LC 8)
Max Uplift1=-19(LC 13), 3=-19(LC 13)

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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
7) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	VT1	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:07:59 2022 Page 1
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7-9-12 9-3-13 9-7-5
7-9-12 1-6-1 0-3-8

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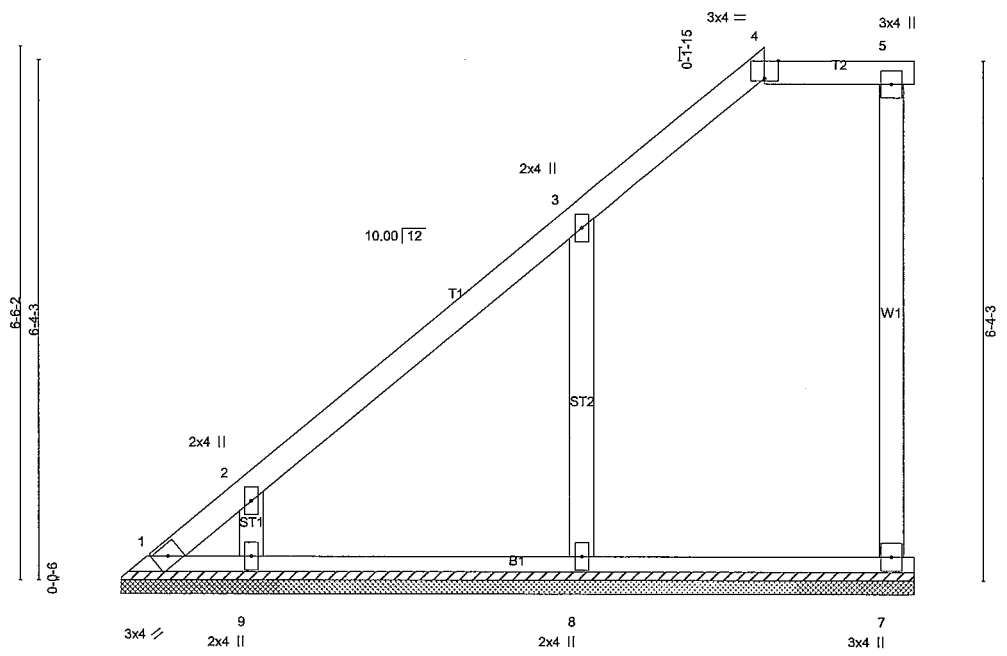

0-0-7 9-7-5
0-0-7 9-6-14

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 47 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
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 9-6-14.
(lb) - Max Horz 1=198(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7 except 6=-100(LC 1), 8=-114(LC 12), 9=-110(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 6 except 7=275(LC 2), 8=463(LC 19), 9=274(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-388/335
WEBS 3-8=-337/274, 2-9=-298/243

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-13 to 4-9-10, Interior(1) 4-9-10 to 7-9-12, Exterior(2) 7-9-12 to 9-7-5 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7 except (jt=lb) 6=100, 8=114, 9=110.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Holland Residence
J0222-1061	VT2	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:08:00 2022 Page 1
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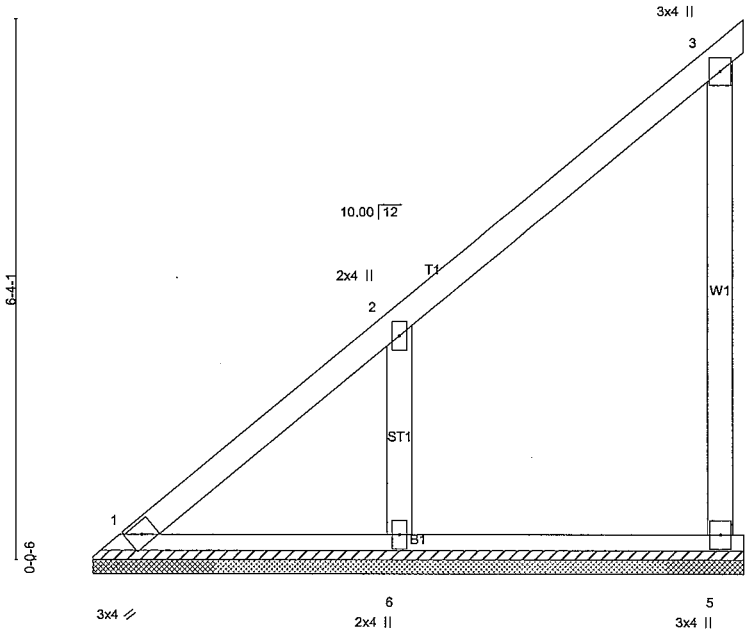
7-3-13 | 7-7-5
7-3-13 | 0-3-8

Scale = 1:25.7



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 37 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.2
OTHERS 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. All bearings 7-6-14.
(lb) - Max Horz 1=196(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) except 4=-136(LC 19), 5=-151(LC 12), 6=-125(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 4 except 5=362(LC 19), 6=417(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-307/284, 3-5=-338/231
WEBS 2-6=-357/283

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-13 to 4-9-10, Interior(1) 4-9-10 to 7-7-5 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 136 lb uplift at joint 4, 151 lb uplift at joint 5 and 125 lb uplift at joint 6.
7) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	VT3	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:08:01 2022 Page 1
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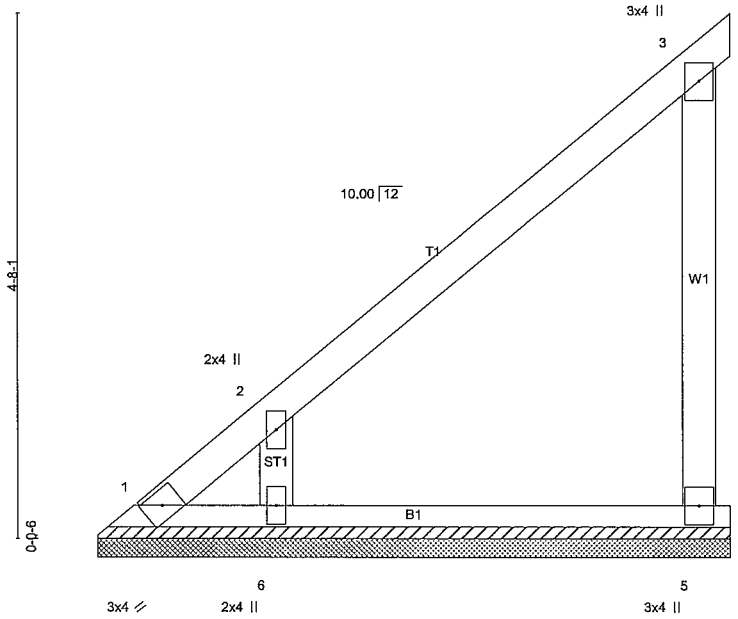
5-3-13 5-7-5
5-3-13 0-3-8

Scale = 1:19.5



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 25 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-5 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 5-6-14.
(lb) - Max Horz 1=141(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1 except 4=-183(LC 19), 5=-186(LC 12), 6=-101(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 4 except 5=354(LC 19), 6=315(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-296/259, 3-5=-416/344
WEBS 2-6=-304/257

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-13 to 4-9-10, Interior(1) 4-9-10 to 5-7-5 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 4=183, 5=186, 6=101.
7) This truss is designed in accordance with the 2015 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	Holland Residence
J0222-1061	VT4	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Mar 1 16:08:01 2022 Page 1
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3-3-13 3-7-5
3-3-13 0-3-8

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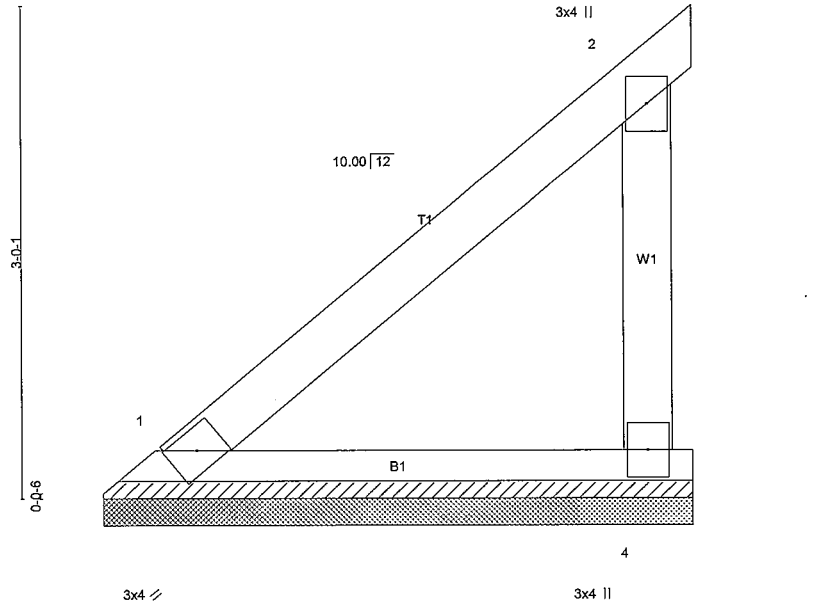

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 15 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-5 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=103/3-6-14 (min. 0-1-8), 3=-151/3-6-14 (min. 0-1-8), 4=300/3-6-14 (min. 0-1-8)
Max Horz 1=87(LC 12)
Max Uplift3=-173(LC 19), 4=-176(LC 12)
Max Grav 1=103(LC 1), 3=108(LC 12), 4=338(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-398/340

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 3 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=173, 4=176.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard