

**GENERAL NOTES**

- ALL WORK SHALL CONFORM TO CURRENT LOCAL AND STATE BUILDING CODES, RULES, AND REGULATIONS.
- VERIFY ALL DIMENSIONS, DATUMS, SQUARE FOOTAGES, AND LEVELS PRIOR TO CONSTRUCTION. ALL DIMENSIONS ARE TO FACE OF STUD OR FACE OF CONCRETE UNLESS OTHERWISE NOTED. AS CRITERIA FOR SQUARE FOOTAGE EVALUATIONS CHANGE BY LOCALITY, VERIFY SQUARE FOOTAGE COUNTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THE WORK.
- DO NOT SIGNIFICANTLY VARY OR MODIFY THE WORK SHOWN, EXCEPT WITH WRITTEN INSTRUCTIONS FROM DESIGNER/ARCHITECT.
- REPORT ERRORS OR OMISSIONS TO THE DESIGNER/ARCHITECT IMMEDIATELY.
- THESE DRAWINGS ARE THE EXCLUSIVE PROPERTY OF THE DESIGNER/ARCHITECT AND MAYBE REPRODUCED ONLY WITH THE PERMISSION OF THE DESIGNER/ARCHITECT. AUTHORIZED REPRODUCTIONS MUST INCLUDE THE NAME OF THE DESIGNER/ARCHITECT.

**CONSTRUCTION NOTES:**

**FASTENERS:** FOR ALL PRESERVATIVE-TREATED & FIRE-RETARDANT TREATED CONNECTORS SHALL BE TREATMENT RATED. FASTENERS SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED, STAINLESS STEEL, SILICON BRONZE OR COPPER. FOLLOW IRC TABLE R602.3 (1) FASTENER SCHEDULE FOR STRUCTURAL MEMBERS.

**SITE PREPARATION:** A SURFACE DRAINAGE PATTERN SHOULD BE ESTABLISHED WHICH WILL DRAIN THE ENTIRE AREA AND DIRECT WATER AWAY FROM THE HOUSE. THE FINISHED GRADE WILL BE SLOPED AWAY FROM THE FOUNDATION WALL OF THE HOUSE.

**CONCRETE FOUNDATION:** REMOVE ALL LOOSE & ORGANIC MATERIALS & EXCAVATE FOR FOOTINGS & PADS AS PER PLANS. THE DISTANCE OF THE FOOTING BASE TO THE FINISHED GRADE MUST BE NO LESS THAN THE DEPTH OF LOCAL FROST PENETRATION. FOOTINGS MUST BE ACCURATELY POSITIONED AND ROUGHLY LEVEL. FOOTINGS VARY IN SIZE & DEPTH DEPENDING ON THE ALLOWABLE SOIL PRESSURE AND THE LOAD. THE BOTTOM OF THE FOOTING IS ALWAYS PLACED ON UNDISTURBED SOIL OR COMPACTED GRANULAR FILL WITH EACH RUN LEVEL.

**WATERPROOFING:** CONCRETE WALLS BELOW GRADE SHOULD BE WATERPROOFED WITH A NON-TOXIC ELASTOMERIC MATERIAL APPLIED ON THE EXTERIOR SURFACE FROM THE FOOTINGS TO THE FINISHED GRADE LINE, TO MAKE THE WALL WATERTIGHT AGAINST ORDINARY SEEPAGE THAT MAY OCCUR.

**FRAMING:** PRIOR TO SILL PLATE INSTALLATION, INSPECT CONCRETE WORK CONDITION AND COMPARE ALL SITE DIMENSIONS WITH FOUNDATION PLAN DIMENSIONS. SILL ANCHOR: THE SILL PLATE SHOULD BE LEVELED CAREFULLY. IF THE TOP OF THE FOUNDATION IS LEVEL, THE SILL PLATE MAY BE LAID ON FOUNDATION WITH A CLOSED CELL FOAM GASKET OR OTHER AIR-IMPERMEABLE MATERIAL IN BETWEEN, AND OF SAME WIDTH AS SILL PLATE. SILL PLATES SHOULD BE PRESSURE TREATED 2x MATERIAL OF #2 OR BETTER & ANCHORED TO CONCRETE WALL WITH 5/8" ANCHOR BOLTS EMBEDDED 7" MIN. IN CONCRETE & 2" MIN. ABOVE CONCRETE. ANCHOR BOLT SHOULD BE PLACED 4'-0" o.c. MAX. APART AND 12" FROM ENDS WITH TWO BOLTS MIN. PER SILL PLATE.

**FLOOR JOISTS:** JOISTS SHOULD BE INSTALLED, LOCATED & SPACED ACCORDING TO LOCAL DESIGN PROS - VERIFY BUILDING SECTIONS VS LOCAL CONDITION REQUIREMENTS.

ANY JOISTS HAVING A SLIGHT BOW EDGEWISE SHOULD BE PLACED WITH THE CROWN ON TOP. ALL JOISTS TO HAVE A MINIMUM OF 1-1/2" BEARING AT SUPPORT. FLUSH FRAMED JOISTS TO BE FASTENED TO BEAMS WITH FULLY NAILED JOIST HANGERS. ALL FLOOR OPENINGS TO BE FRAMED WITH DOUBLE TRIMMER JOIST AND DOUBLE HEADER JOIST. INSTALL DOUBLE JOIST OR SOLID BLOCKING UNDER ALL FRAMED PARTITION WALLS. INSTALL BLOCKING BETWEEN JOISTS TO TRANSFER CONCENTRATED LOADS TO BEARING BELOW.

- PRODUCT QUALITY:**
- CONSIDER SPECIAL ORDERING FORMALDEHYDE-FREE PLYWOOD.
  - ZERO-VOC, NON-TOXIC & NON-CARCINOGENIC PAINTS & STAINS ARE RECOMMENDED.
  - ZERO-VOC, NON-TOXIC & NON-CARCINOGENIC CAULKS, SEALANTS & ADHESIVES RECOMMENDED.

- BUGS & PESTS:**
- NO BROAD SPECTRUM INSECTICIDES OR HERBICIDES TO BE APPLIED BEFORE, DURING OR AFTER THE FOUNDATION WORK. APPLY TERMITE SHIELDS ONLY, IF REQ'D. PROPERLY SCREEN VENTING & OPENINGS.

- ROOF FRAMING NOTES:**
- NUMBER OF JACK STUDS FOR ALL GIRDER & HEADER SPANS PER IRC TABLE R502.5 (1) & (2) - FOOTNOTE 'D'.
  - POSITIVE CONNECTION & TRANSFER OF LOAD FROM ROOF TO LOAD SUPPORTING ELEMENTS REQ'D.
  - PROVIDE ANCHORAGE OF BEAMS OR GIRDERS TO POSTS PER IRC SEC'S R407.3, R502.9 & R802.11
  - THIS STRUCTURE TO COMPLY WITH MIN. FASTENER SCHEDULE, IRC TABLES R602.3 (1) THRU (5).
  - SOLID BLOCKING REQ'D @ ALL BEARING POINTS OF FLOOR, CEILING & ROOF SYSTEMS ACCORDING TO IRC SEC'S R502 & R802
  - ATTIC VENTILATION PER IRC SEC R806.

- FLOOR PLAN NOTES:**
- EGRESS:**
- ALL ROOMS TO BE USED FOR SLEEPING PURPOSES & BASEMENTS WITH HABITABLE SPACE REQUIRE EMERGENCY & RESCUE OPENING COMPLYING WITH IRC SEC R310.1.
  - AT LEAST ONE DOOR SHALL MEET EGRESS REQ. IRC R311. THIS DOOR MUST BE SIDE HINGED WITH MIN. 32" (813 MM) CLEAR WIDTH WHEN MEASURED BY THE FACE OF THE DOOR & THE STOP W/ DOOR AT 90 DEGREES (1.57 RAD). MIN. CLEAR HEIGHT OF DOOR MUST NOT BE < THAN 78" (1981 MM) MEASURED FROM TOP OF THRESHOLD TO BOTTOM OF STOP.

- WINDOW REQUIREMENTS:**
- MINIMUM 5.7 SQ. FT. NET CLEAR OPENABLE AREA, EXCEPT GRADE FLOOR OPENINGS PERMIT MIN. 5 SQ. FT. OPENABLE AREA.
  - MINIMUM 24" NET CLEAR OPENABLE HEIGHT.
  - MINIMUM 20" NET CLEAR OPENABLE WIDTH.
  - SILL HEIGHT SHALL NOT BE MORE THAN 44" ABOVE THE FLOOR.
  - OPENINGS SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS, TOOLS OR SPECIAL KNOWLEDGE.

- MINIMUM ROOM AREAS & CEILING HEIGHT:**
- HABITABLE ROOMS PER IRC SEC R304 FOR FLOOR AREA.
  - HABITABLE ROOMS PER IRC SEC R305 FOR CEILING HEIGHT. SECOND FLOOR HALLWAYS, BEDROOMS & BATHROOMS TO MEET R305 EXCEPTIONS (1) AND (2) FOR SLOPED CEILINGS.

- STAIRS:**
- STAIRWAYS & STAIRWAY LANDINGS, HANDRAILS & ILLUMINATION SHALL COMPLY WITH IRC SEC R311. GUARDS PER IRC SEC R312.

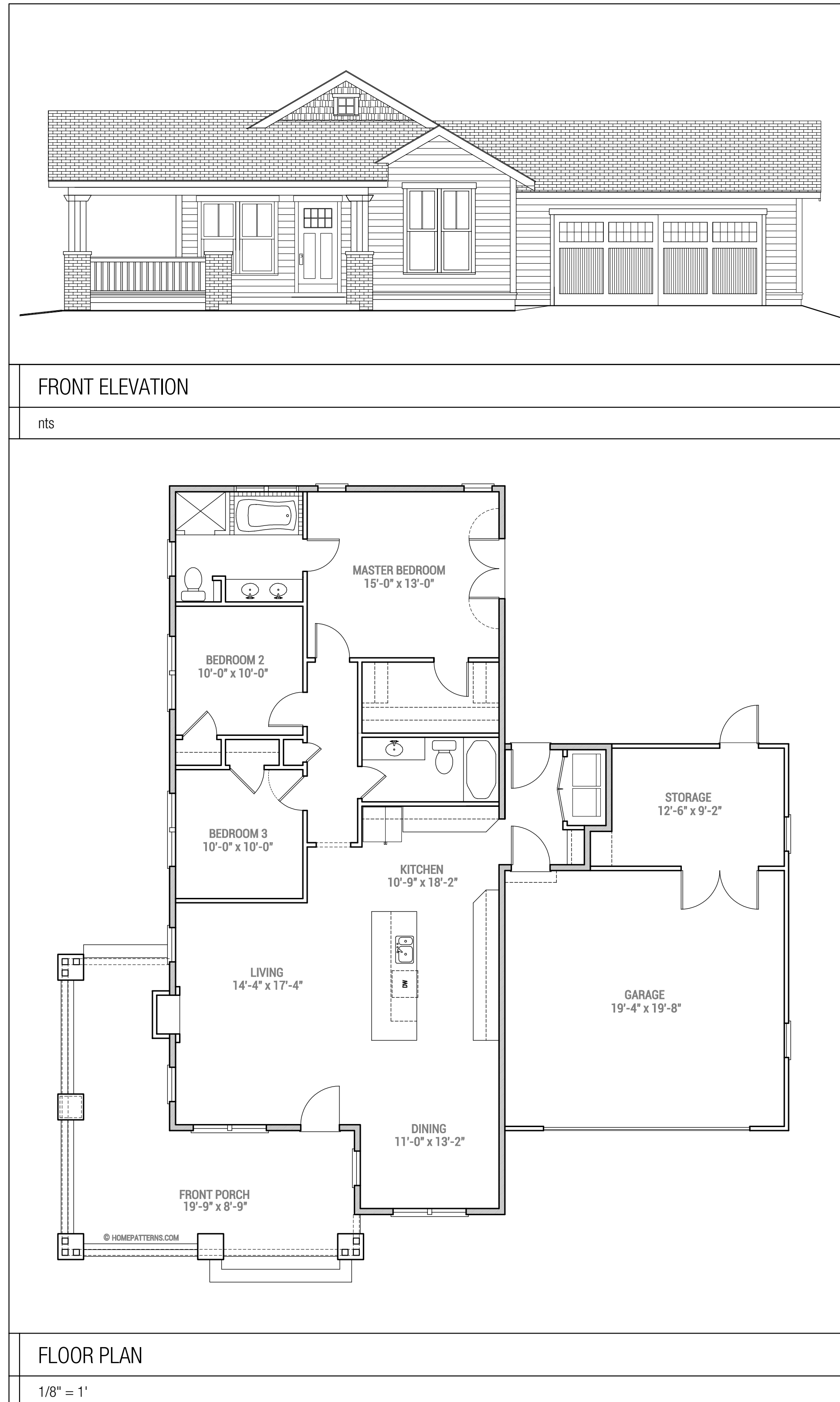
- MINIMUM FIREPLACE REQUIREMENTS:**
- PROPANE & SOLID FUEL BURNING FIREPLACES INSTALLATION SHALL COMPLY WITH IRC CHAP. 10 2. PROPANE & SOLID FUEL BURNING FIREPLACES TO BE INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

**OWNERSHIP OF DOCUMENTS**  
By accepting these Drawings, Property owners signify their agreement that residential Designer shall remain the owner of the Drawings and non-standard design concepts produced in connection with this construction project. Property owners understand and agree that the Drawings and non-standard design concepts may be used exclusively for purposes of this project and that the Drawings and non-standard design concepts may not be used in connection with any extension of this project or any other project in whole or part. Property owners may retain copies of the Drawings for information and reference in connection with the use and occupancy of the Property. Architectural Works Copyright Protection ACT of 1990.

**SCOPE OF WORK:**

This project is for the design and construction of a new single-family residence and includes building of masonry foundation, wood framing for floor, walls, ceiling and roof and the installation of doors and windows, wall sheathing, exterior siding and interior finish materials including insulation and electrical fixtures. Interior trim and kitchen cabinetry and counter tops and appliances shall be installed. Plumbing and HVAC duct work and diffusers shall be installed.

The General Contractor shall provide a new 150 A / 240 V electrical service electrical panel box and copper wiring, receptacles a, fixtures and switches. The General Contractor shall provide a new furnace and cooling system and duct work and all necessary diffusers. The General Contractor shall provide necessary water piping and new sanitary piping and necessary fixtures for the baths and kitchen. The General contractor shall verify and coordinate Pre-Engineered Framing for the floors, ceiling and roof assemblies



These Drawings Provided for Architectural Design Only Field Verify all Dimensions Released For Construction

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

08/11/2020

# THE ADKISON

## SHEET INDEX

- A1 - Floor Plan
- A2 - Elevations
- A3 - Electrical Layout & Foundation Plan
- A4 - Porch Section & Wall Section Typical
- A5 - Building Section & Roof Plan

## SQUARE FOOTAGE

Floor Plan	1450 SF
Porch	330 SF
Garage & Storage	585 SF

## BUILDING HEIGHT

17'-1" AFF

## CODE

2018 NC Building Code

**HOME PATTERNS** crafted simplicity  
30 Elm Place, Hastings on Hudson, NY 10706  
(864) 278-0068 INFO@HOMEPATTERNS.COM

Revisions/Additions By Others:

Date of Issue: April 21, 2020

**DO NOT COPY**  
Reproduction, either in whole or in part, including any direct copying and/or preparation of derivative works, for any reason without the prior written permission of Home Patterns LLC is strictly prohibited. The purchase of construction plans in no way transfers any ownership to the buyer, except for a limited license to use these construction plans to construct one, and only one, dwelling unit. Additional construction plan sets do not entitle the buyer to construct more than one dwelling unit. Contact Home Patterns LLC (864-278-0068) with further questions regarding reproduction and copyright issues.

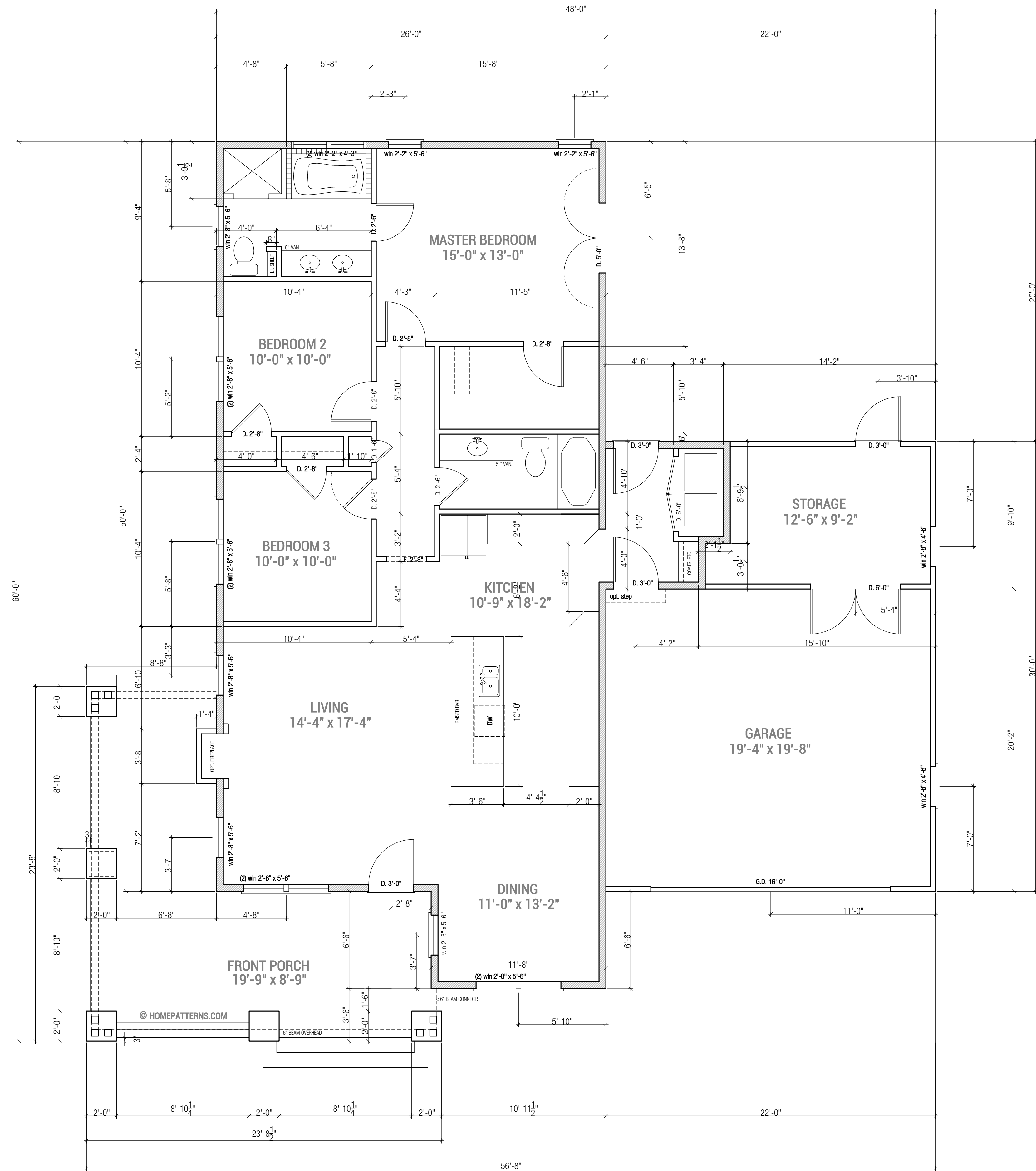
**BUILDING CODE INFORMATION**  
Although Home Patterns LLC strives to create the most complete packages available, it is impossible for Home Patterns LLC to, in good faith, guarantee that this plan will meet all local building requirements. Present and local building codes and zoning regulations may or may not be met with said drawings. Such regulations and laws may include loading requirements, floor zone measures, seismic conditions, etc. Some states, cities, or municipalities may require a professional's seal or stamp. The home plan buyer is responsible for working directly with a local professional for these services. Home Patterns LLC grants permission for all home plan buyers to consult with local architects, engineers, or builders to ensure local code compliance. Home Patterns LLC grants permission to alter plans but takes no responsibility for said alterations. Home Patterns LLC will make reasonable efforts to insure national code compliance, however the plan is sold as is with no guarantee of strict local code compliance. All structural determinations should be verified and/or made locally by trained professionals with experience of local and site specific conditions and codes.

License Use #2037  
DO NOT COPY  
Licensed Location:  
1351 Line Rd,  
Cameron, NC 27332

sheet no.  
title

FLOOR PLAN NOTES

- A. INTERIOR DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD. DIMENSIONS TAKEN TO EXTERIOR EDGE OF THE BUILDING ARE MEASURED TO THE FACE OF SHEATHING.
- B. WINDOW SIZES INDICATED ON PLANS ARE NOTED BY ROUGH OPENING SIZES. REFER TO PLANS AND EXTERIOR ELEVATIONS FOR WINDOW TYPES.
- C. DO NOT SCALE DRAWINGS, FOLLOW DIMENSIONS ONLY.
- D. CONTRACTOR SHALL FIELD VERIFY ALL CABINET DIMENSIONS BEFORE FABRICATION.
- E. ALL BATH AND TOILET AREA WALLS AND CEILINGS SHALL HAVE WATER RESISTANT GYPSUM BOARD.
- F. ALL INTERIOR WALLS SHALL BE COVERED WITH 1/2" GYPSUM BOARD AND METAL CORNER REINFORCING. USE 5/8" GYPSUM BOARD ON CEILINGS.
- G. HANDRAILS SHALL BE MOUNTED 32"-34" ABOVE NOSING OF STAIRS. GUARDRAILS SHALL BE MOUNTED AT 36"
- H. PROVIDE ACCESS TO ALL CONCEALED ATTIC SPACES.



These Drawings Provided for  
Architectural Design Only  
Field Verify all Dimensions  
Released For Construction

**HOME PATTERNS** crafted simplicity  
30 Elm Place, Hastings on Hudson, NY 10706  
(864) 278 0068 INFO@HOMEPATTERNS.COM

Revisions/Additions By Others:

Date of Issue: April 21, 2020

**DO NOT COPY**  
Reproduction, either in whole or in part, including any direct copying and/or preparation of derivative works, for any reason without the prior written permission of Home Patterns LLC is strictly prohibited. The purchase of construction plans in no way transfers any ownership to the buyer, except for a limited license to use these construction plans to construct one, and only one, dwelling unit. Additional construction plan sets do not entitle the buyer to construct more than one dwelling unit. Contact Home Patterns LLC (864 278 0068) with further questions regarding reproduction and copyright issues.

**BUILDING CODE INFORMATION**  
Although Home Patterns LLC strives to create the most complete package available, it is impossible for Home Patterns LLC to, in good faith, guarantee that this plan will meet all local building requirements. Home Patterns LLC provides a house plan that strives to meet critical and common national building codes (International Residential Code, One & Two Family Dwelling Code). Present and local building codes and zoning regulations may or may not be met with said drawings. Such regulations and laws may include loading requirements, flood zone measures, seismic conditions, etc. Some states, cities, or municipalities may require a professional's seal or stamp. The home plan buyer is responsible for working directly with a local professional for these services. Home Patterns LLC grants permission for all home plan buyers to consult with local architects, engineers, or builders to ensure local code compliance. Home Patterns LLC grants permission to alter plans but takes no responsibility for said alterations. Home Patterns LLC will make reasonable efforts to ensure national code compliance, however the plan is sold as is with no guarantee of strict local code compliance. All structural determinations should be verified and/or made locally by trained professionals with experience of local and site specific conditions and codes.

License Use #2037  
DO NOT COPY  
Licensed Location:  
1351 Line Rd,  
Cameron, NC 27332

sheet no.

**A1**

NOTES

FLOOR PLAN

1/4"=1'-0"

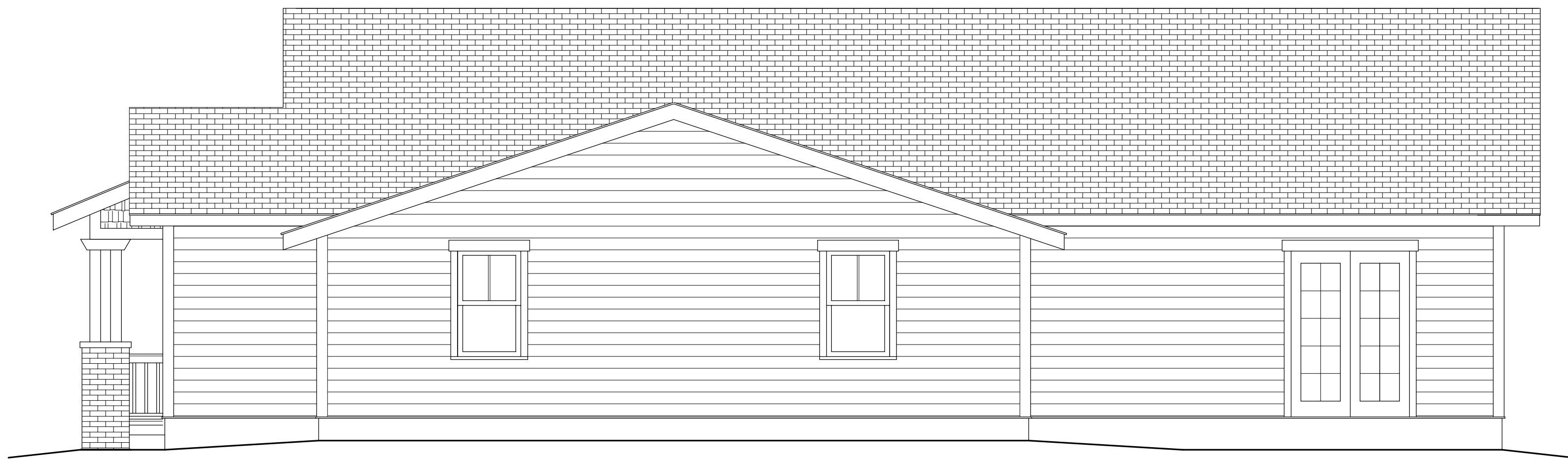
ELEVATION NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY EXISTING GRADES AND COORDINATE ANY ADJUSTMENTS NECESSARY TO HOUSE WITH OWNER.
- B. PLUMBING AND HVAC VENTS SHALL BE GROUPED IN ATTIC TO LIMIT ROOF PENETRATIONS TO BE LOCATED AWAY FROM PUBLIC VIEW, I.E. AT THE REAR OF THE HOUSE AND SHALL BE PRIMED AND PAINTED TO MATCH ROOF COLOR.
- C. PROVIDE ATTIC VENTILATION PER LOCAL CODE REQUIREMENTS.
- D. CONTRACTOR TO VERIFY FINAL DIMENSIONS FOR EXTERIOR TIMBER TRIM MEMBERS AND BRICK PATTERNS WITH THE ARCHITECT PRIOR TO CONSTRUCTION.



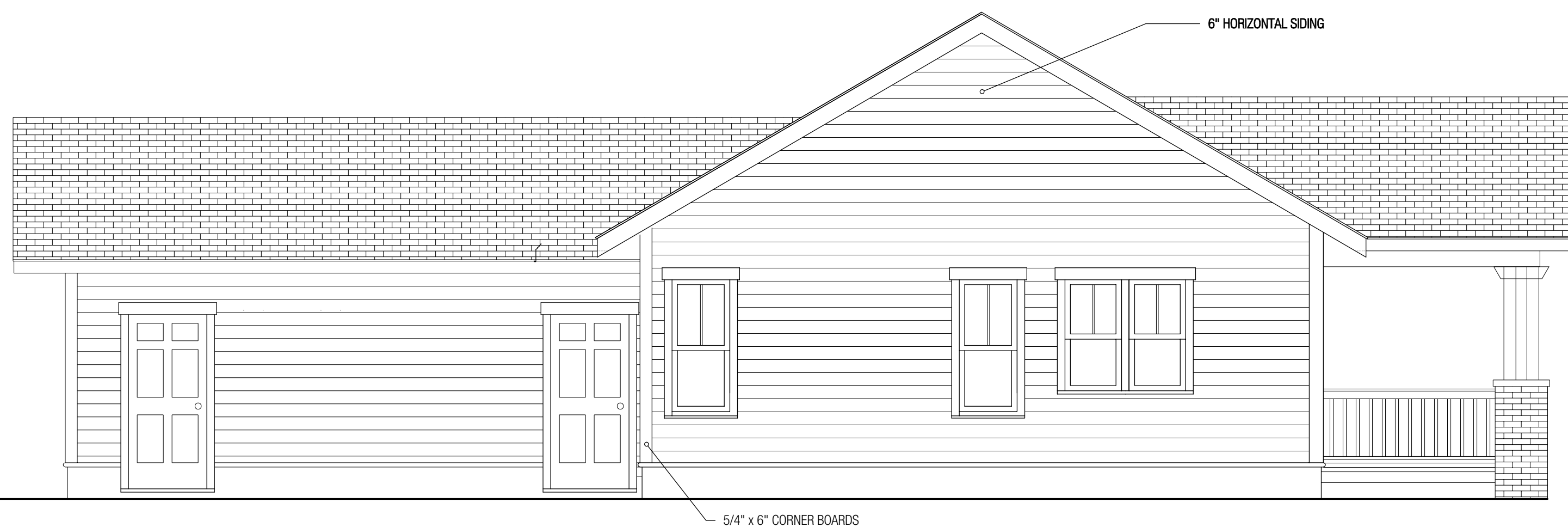
SIDE ELEVATION

1/4"=1'-0"



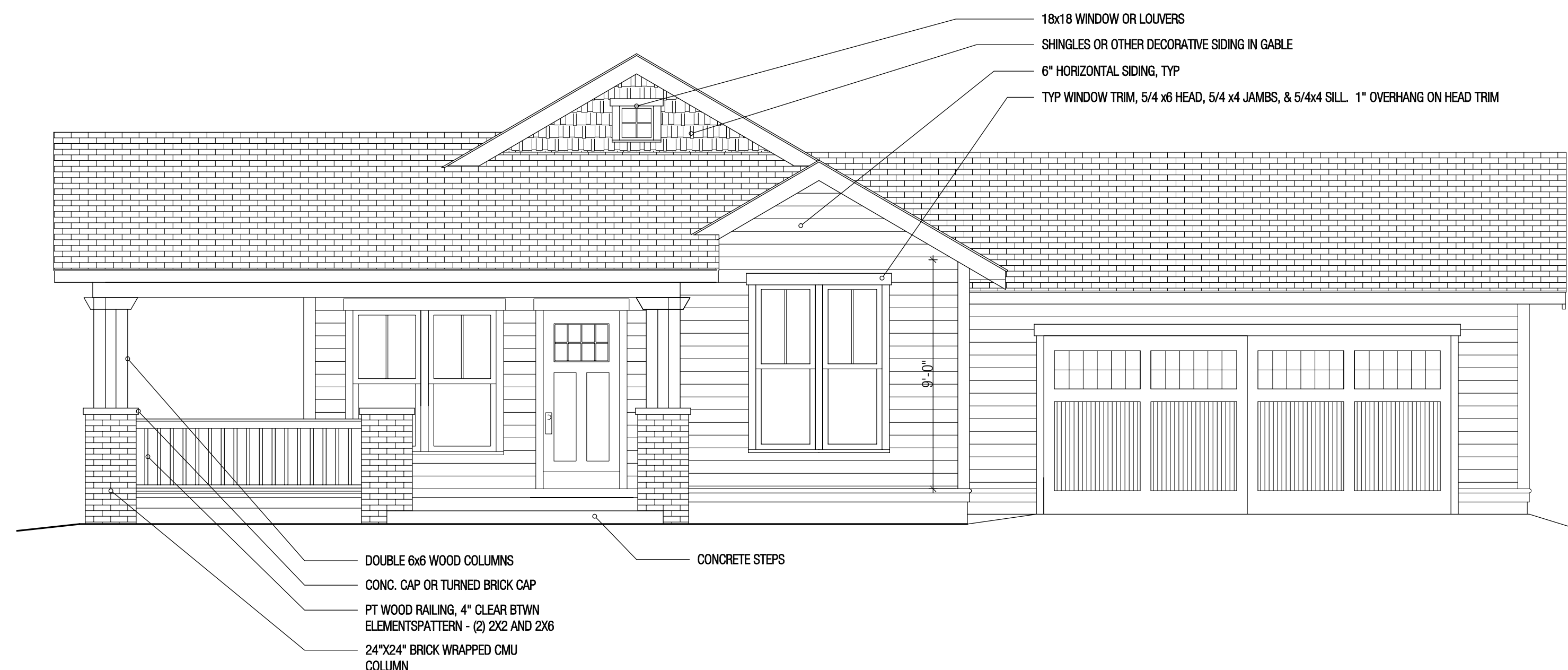
SIDE ELEVATION

1/4"=1'-0"



BACK ELEVATION

1/4"=1'-0"



FRONT ELEVATION

1/4"=1'-0"

**HOME PATTERNS** crafted simplicity  
 30 Elm Place, Hastings on Hudson, NY 10706  
 (864) 278 0068 INFO@HOMEPATTERNS.COM

Revisions/Additions By Others:

Date of Issue: April 21, 2020

**DO NOT COPY**  
 Reproduction, either in whole or in part, including any direct copying and/or preparation of derivative works, for any reason without the prior written permission of Home Patterns LLC is strictly prohibited. The purchase of construction plans in no way transfers any ownership to the buyer, except for a limited license to use these construction plans to construct one, and only one, dwelling unit. Additional construction plan sets do not entitle the buyer to construct more than one dwelling unit. Contact Home Patterns LLC (864-278-0068) with further questions regarding reproduction and copyright issues.

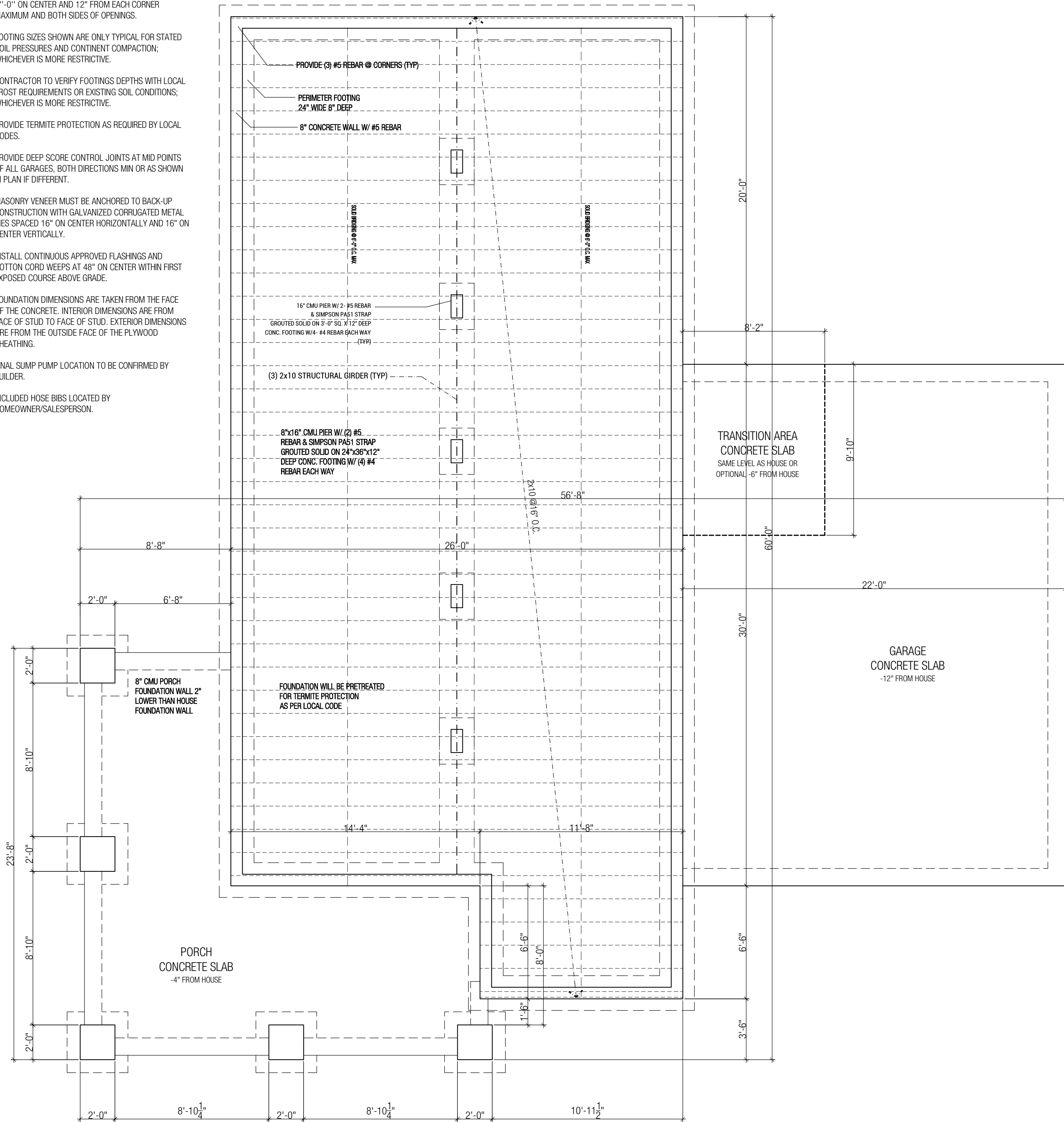
**BUILDING CODE INFORMATION**  
 Although Home Patterns LLC strives to create the most complete package available, it is impossible for Home Patterns LLC to, in good faith, guarantee that this plan will meet all local building requirements. Home Patterns LLC provides a house plan that strives to meet critical and common national building codes (International Residential Code, One & Two Family Dwelling Code). Present and local building codes and zoning regulations may or may not be met with said drawings. Such regulations and laws may include loading requirements, flood zone measures, seismic conditions, etc. Some states, cities, or municipalities may require a professional's seal or stamp. The home plan buyer is responsible for working directly with a local professional for these services. Home Patterns LLC grants permission for all home plan buyers to consult with local architects, engineers, or builders to ensure local code compliance. Home Patterns LLC grants permission to alter plans but takes no responsibility for said alterations. Home Patterns LLC will make reasonable efforts to insure national code compliance, however the plan is sold as is with no guarantee of strict local code compliance. All structural determinations should be verified and/or made locally by trained professionals with experience of local and site specific conditions and codes.

License Use #2037  
 DO NOT COPY  
 Licensed Location:  
 1351 Line Rd,  
 Cameron, NC 27332

sheet no.  
**A2**

MECHANICAL AND FOUNDATION NOTES

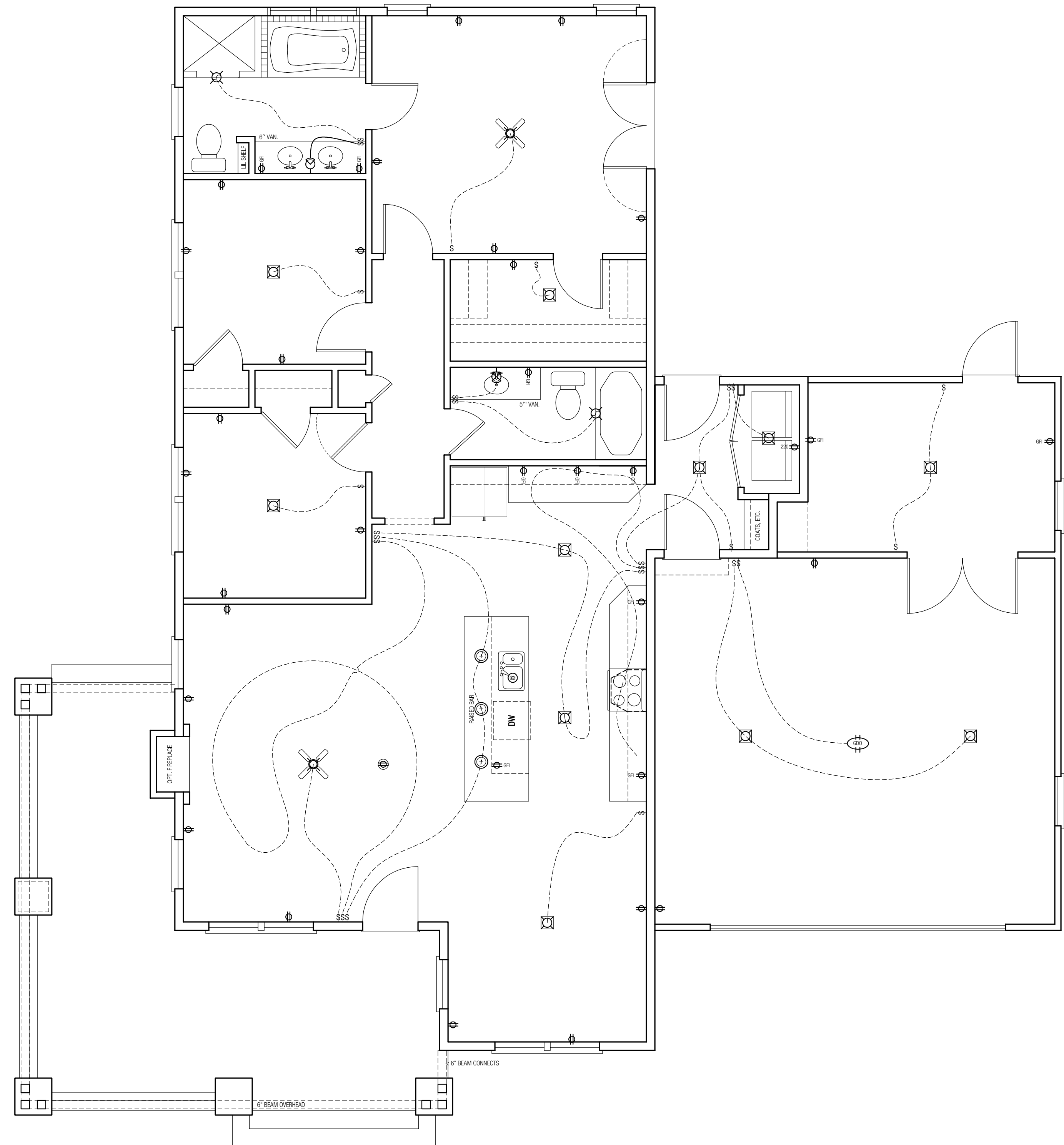
- A. LOCATE HVAC IN BASEMENT FOR MOST EFFICIENT USE. AC UNIT, IF SPECIFIED, IS TO BE PLACED OUT OF PUBLIC VIEW, I.E., AT THE REAR OF THE HOUSE.
- B. PLACE FLOOR DRAIN NEAR MECHANICALS.
- C. ALL FOOTINGS SHALL REST ON VIRGIN, UNDISTURBED SOIL.
- D. ASSUMED SOIL SHALL BE SAND OR GRAVEL WITH MINIMUM TRACES OF DRY CLAY, WITH A MINIMUM BEARING CAPACITY OF 2000 LBS/SQ FT.
- E. UNLESS OTHERWISE NOTED, ALL SLABS ON GRADE SHALL BE 4,000 P.S.I. (28 DAY COMPRESSIVE STRENGTH) CONCRETE ON 6" GRAVEL FILL MINIMUM WITH 6X6- W/ 4XW/ 4WMM REINFORCING. INTERIOR SLABS SHALL BE PLACED ON CONCRETE RATED VAPOR BARRIER.
- F. PROVIDE 1/2" EXPANSION JOINT MATERIAL BETWEEN ALL CONCRETE SLABS ON ABUTTING CONCRETE OF MASONRY WALLS OCCURRING IN EXTERIOR OR UNHEATED INTERIOR AREAS.
- G. PLACE 1/2" DIAMETER X 10" SILL PLATE ANCHOR BOLTS AT EACH VERTICAL REBAR (WHERE OCCURRING) OR AT 4'-0" ON CENTER AND 12" FROM EACH CORNER MAXIMUM AND BOTH SIDES OF OPENINGS.
- H. FOOTING SIZES SHOWN ARE ONLY TYPICAL FOR STATED SOIL PRESSURES AND CONTINENT COMPACTION; WHICHEVER IS MORE RESTRICTIVE.
- I. CONTRACTOR TO VERIFY FOOTINGS DEPTHS WITH LOCAL FROST REQUIREMENTS OR EXISTING SOIL CONDITIONS; WHICHEVER IS MORE RESTRICTIVE.
- J. PROVIDE TERMITE PROTECTION AS REQUIRED BY LOCAL CODES.
- K. PROVIDE DEEP SCORE CONTROL JOINTS AT MID POINTS OF ALL GARAGES, BOTH DIRECTIONS MIN OR AS SHOWN IN PLAN IF DIFFERENT.
- L. MASONRY VENEER MUST BE ANCHORED TO BACK-UP CONSTRUCTION WITH GALVANIZED CORRUGATED METAL TIES SPACED 16" ON CENTER HORIZONTALLY AND 16" ON CENTER VERTICALLY.
- M. INSTALL CONTINUOUS APPROVED FLASHINGS AND COTTON CORD WEEPS AT 48" ON CENTER WITHIN FIRST EXPOSED COURSE ABOVE GRADE.
- N. FOUNDATION DIMENSIONS ARE TAKEN FROM THE FACE OF THE CONCRETE. INTERIOR DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD. EXTERIOR DIMENSIONS ARE FROM THE OUTSIDE FACE OF THE PLYWOOD SHEATHING.
- O. FINAL SUMP PUMP LOCATION TO BE CONFIRMED BY BUILDER.
- P. INCLUDED HOSE BIBS LOCATED BY HOMEOWNER/SALESPERSON.



ELECTRICAL NOTES

- A. ELECTRICAL WORK SHALL CONFORM TO THE NATIONAL ELECTRIC CODE AND ANY APPLICABLE LOCAL CODES.
- B. PROVIDE HARDWIRED SMOKE DETECTORS, NATURAL GAS DETECTOR, AND CARBON MONOXIDE MONITORING WITH BATTERY BACKUP, ON ALL FLOORS AND IN EACH BEDROOM. VERIFY WITH LOCAL CODE REQUIREMENTS AND SECURITY SYSTEM CONTRACTOR IF APPLICABLE.
- C. PROVIDE GROUND FAULT PROTECTION PER CODE AND ON ALL KITCHEN, BATH AND GARAGE OUTLETS.
- D. PREWIRE FOR GARAGE DOOR OPENERS.
- E. PROVIDE OUTLET ABOVE RANGE FOR MICROWAVE OR HOOD VENT IF FINAL KITCHEN LAYOUT REQUIRES.
- F. SYMBOLS WITH AN E ARE TO BE READ AS EXISTING.
- G. INCLUDED CABLE OUTLETS, PHONE JACKS, 220 OUTLETS FOR RANGE AND/OR DRYER LOCATED BY HOMEOWNER/SALESPERSON.
- H. INCLUDED GAS LINE TO RANGE, DRYER AND/OR FIREPLACE LOCATED BY HOMEOWNER/SALESPERSON.

ELECTRICAL SYMBOLS KEY		
INCANDESCENT RECESSED CAN	INCANDESCENT WALL-MOUNTED WATERTIGHT FIXTURE	CEILING FAN / LIGHT COMBO
INCANDESCENT RECESSED WATERTIGHT CAN	PULL CHAIN LIGHT	PENDANT FIXTURE
UNDER CABINET LIGHT	STANDARD WALL OUTLET	BATH EXHAUST
SURFACE MOUNTED INCANDESCENT	GROUND FAULT INTERRUPT OUTLET	LIGHT & BATH EXHAUST
RECESSED WALL WASHER LIGHT	FLOOR OUTLET	SWITCH
VANITY LIGHT FIXTURE	220 VOLT OUTLET	GARBAGE DISPOSAL
WALL SCONCE	WEATHERPROOF EXT GFI OUTLET	SMOKE DETECTOR
GARAGE DOOR OPENER / LIGHT	*INSTALL SMOKE DETECTORS PER APPLICABLE CODES AND ORDINANCES.	



**HOME PATTERNS** crafted simplicity  
 30 Elm Place, Hastings on Hudson, NY 10706  
 (864) 278 0068 INFO@HOMEPATTERNS.COM

Revisions/Additions By Others:  
 Date of Issue: April 21, 2020

**DO NOT COPY**  
 Reproduction, either in whole or in part, including any direct copying and/or preparation of derivative works, for any reason without the prior written permission of Home Patterns LLC is strictly prohibited. The purchase of construction plans in no way transfers any ownership to the buyer, except for a limited license to use these construction plans to construct one, and only one, dwelling unit. Additional construction plan sets do not entitle the buyer to construct more than one dwelling unit. Contact Home Patterns LLC (864 278 0068) with further questions regarding reproduction and copyright issues.

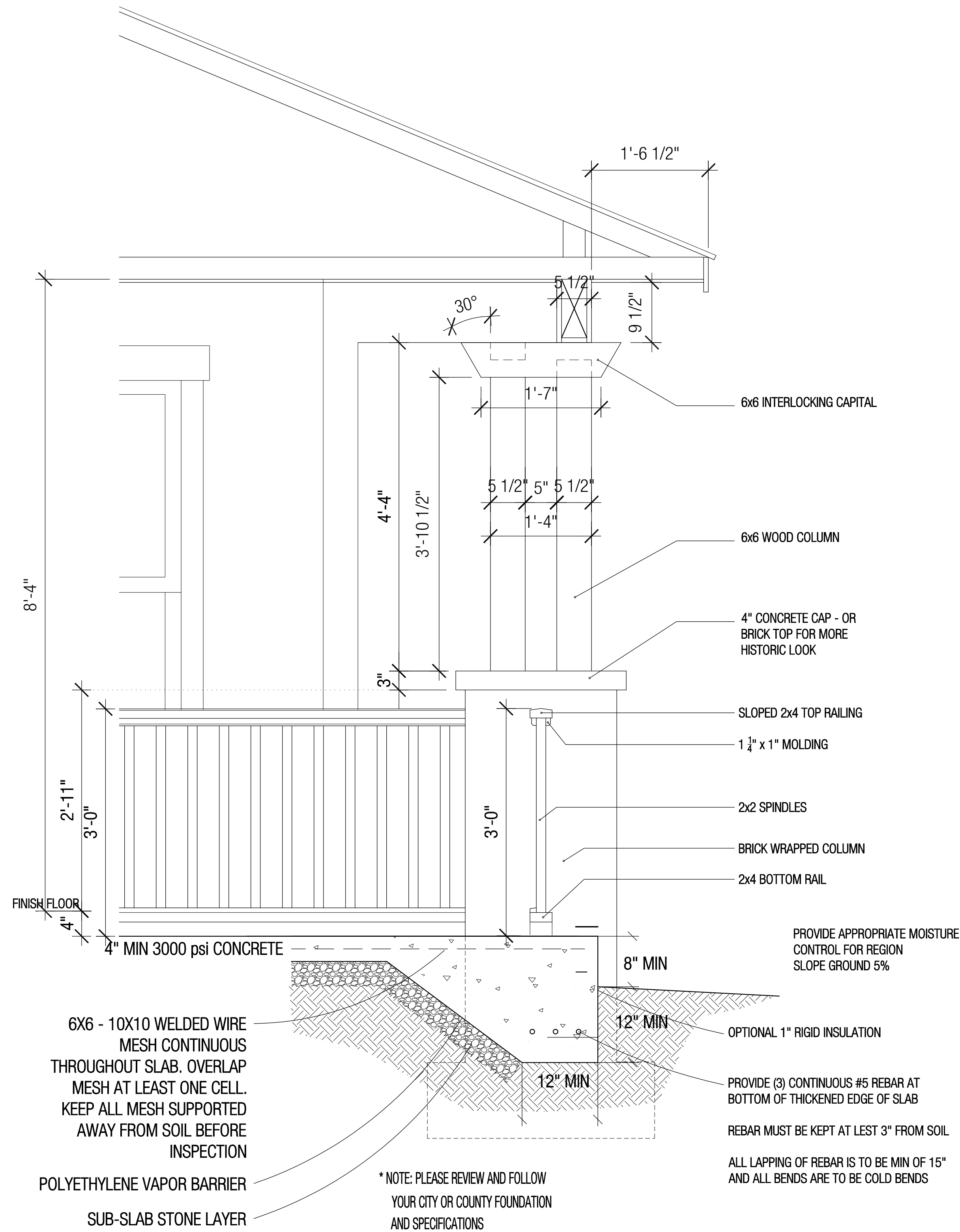
**BUILDING CODE INFORMATION**  
 Although Home Patterns LLC strives to create the most complete package available, it is impossible for Home Patterns LLC to, in good faith, guarantee that the plan will meet all local building requirements. Home Patterns LLC provides a house plan that strives to meet critical and common national building codes (International Residential Code, One & Two Family Dwelling Code). Present and local building codes and zoning regulations may or may not be met with said drawings. Such regulations and laws may include building requirements, flood zone measures, seismic conditions, etc. Some states, cities, or municipalities may require a professional's seal or stamp. The home plan buyer is responsible for working directly with a local professional for these services. Home Patterns LLC grants permission for all home plan buyers to consult with local architects, engineers, or builders to ensure local code compliance. Home Patterns LLC grants permission to alter plans but takes no responsibility for said alterations. Home Patterns LLC will make reasonable efforts to ensure national code compliance, however the plan is sold as is with no guarantee of strict local code compliance. All structural determinations should be verified and/or made locally by trained professionals with experience of local and site specific conditions and codes.

License Use #2037  
 DO NOT COPY  
 Licensed Location:  
 1351 Line Rd,  
 Cameron, NC 27332

sheet no.  
**A3**

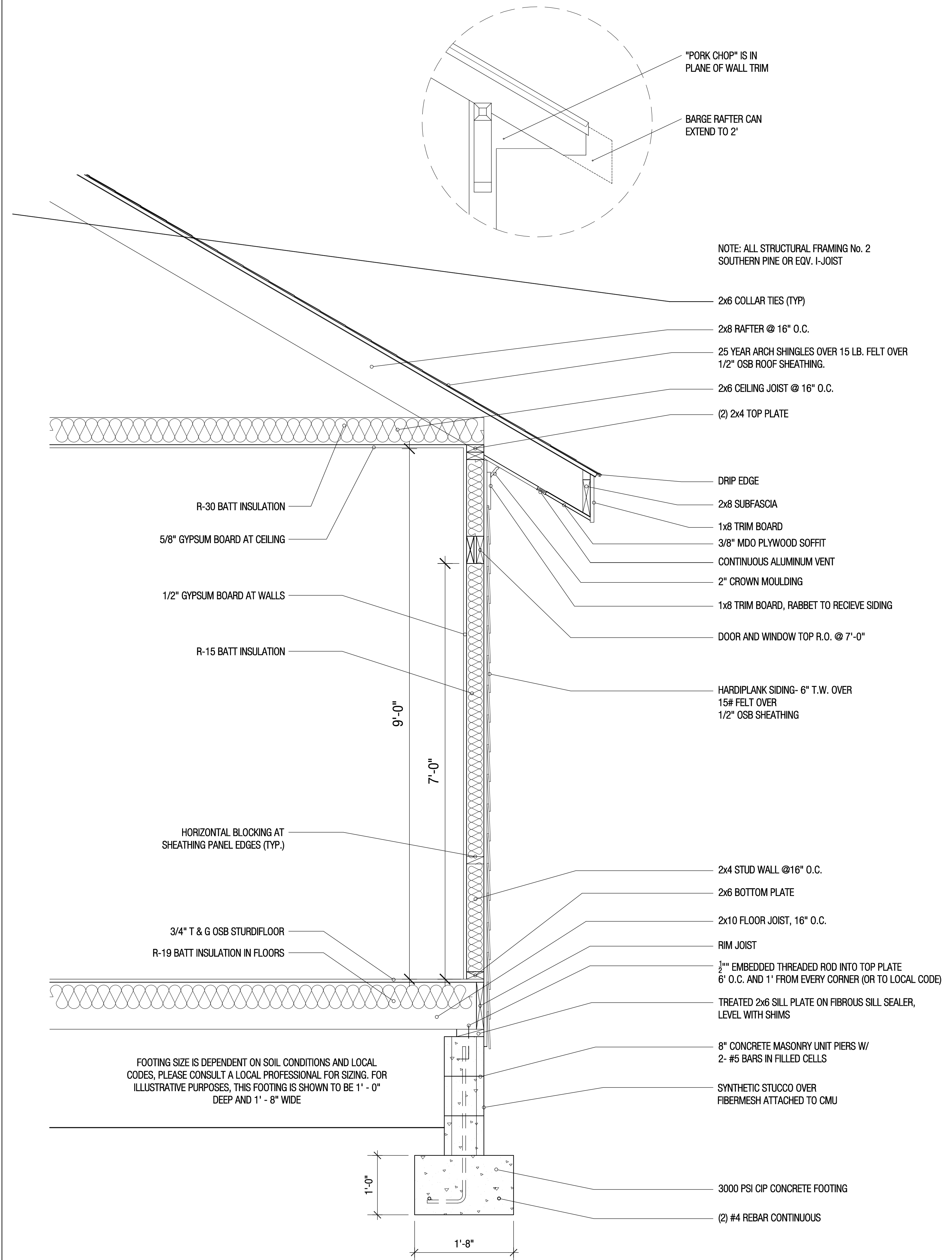
SECTION NOTES

- A. PROVIDE INSULATION BAFFLES AT EAVE VENTS BETWEEN RAFTERS / TRUSSES.
- B. RIDGES, VALLEY AND HIP MEMBERS SHALL BE FULL VERTICAL DEPTH OF FRAMING MEMBERS.
- C. PROVIDE 2x6 COLLAR TIES AT 48" O.C. (UNLESS ROOF IS TRUSSED).
- D. PROVIDE CONTINUOUS 2x6 PURLINS AT MID-SPAN OF RAFTERS, SPACE AT 8'-6" MAX. (UNLESS ROOF IS TRUSSED).
- E. PROVIDE 2x4 STRUTS AT 48" O.C. FROM PURLINS TO BEARING WALLS AT 45° MINIMUM ANGLE. (UNLESS ROOF IS TRUSSED)
- F. HANDRAILS SHALL BE MOUNTED 32"-34" ABOVE NOSING OF STAIRS. GUARDRAILS SHALL BE MOUNTED AT 36".



PORCH SECTION

3/4"=1'-0"



WALL SECTION

1/4"=1'-0"

**HOME PATTERNS** crafted simplicity  
 30 Elm Place, Hastings on Hudson, NY 10706  
 (864) 278 0068 INFO@HOMEPATTERNS.COM

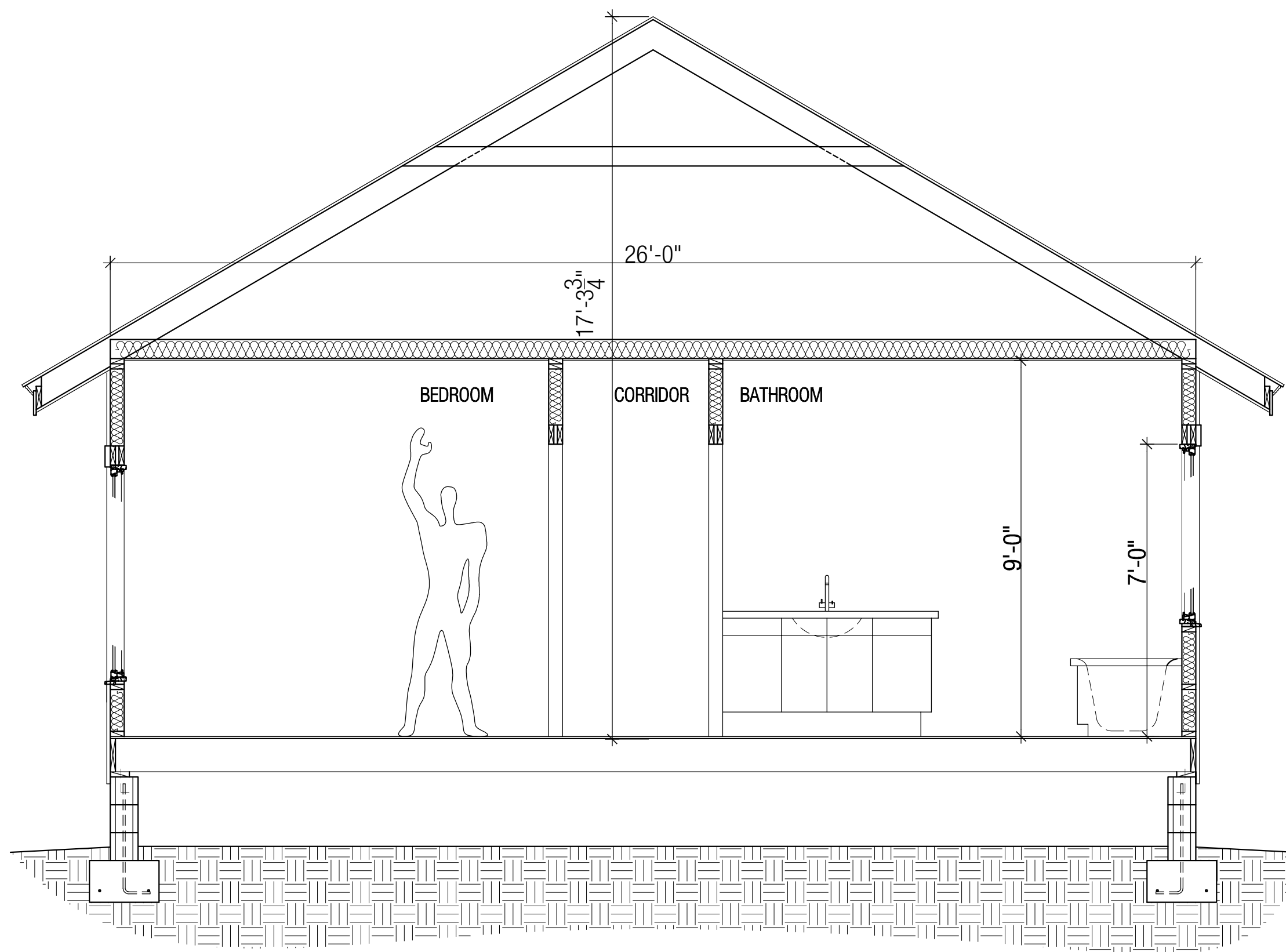
Revisions/Additions By Others:  
 Date of Issue: April 21, 2020

**DO NOT COPY**  
 Reproduction, either in whole or in part, including any direct copying and/or preparation of derivative works, for any reason without the prior written permission of Home Patterns LLC is strictly prohibited. The purchase of construction plans in no way transfers any ownership to the buyer, except for a limited license to use these construction plans to construct one, and only one, dwelling unit. Additional construction plans sets do not entitle the buyer to construct more than one dwelling unit. Contact Home Patterns LLC (864-278-0068) with further questions regarding reproduction and copyright issues.

**BUILDING CODE INFORMATION**  
 Although Home Patterns LLC strives to create the most complete package available, it is impossible for Home Patterns LLC to, in good faith, guarantee that the plan will meet all local building requirements. Home Patterns LLC provides a house plan that strives to meet critical and common national building codes (International Residential Code, One & Two Family Dwelling Code). Present and local building codes and zoning regulations may or may not be met with said drawings. Such regulations and laws may include loading requirements, flood zone measures, seismic conditions, etc. Some states, cities, or municipalities may require a professional's seal or stamp. The home plan buyer is responsible for working directly with a local professional for these services. Home Patterns LLC grants permission for all home plan buyers to consult with local architects, engineers, or builders to ensure local code compliance. Home Patterns LLC grants permission to alter plans but takes no responsibility for said alterations. Home Patterns LLC will make reasonable efforts to insure national code compliance, however the plan is sold as is with no guarantee of strict local code compliance. All structural determinations should be verified and/or made locally by trained professionals with experience of local and site specific conditions and codes.

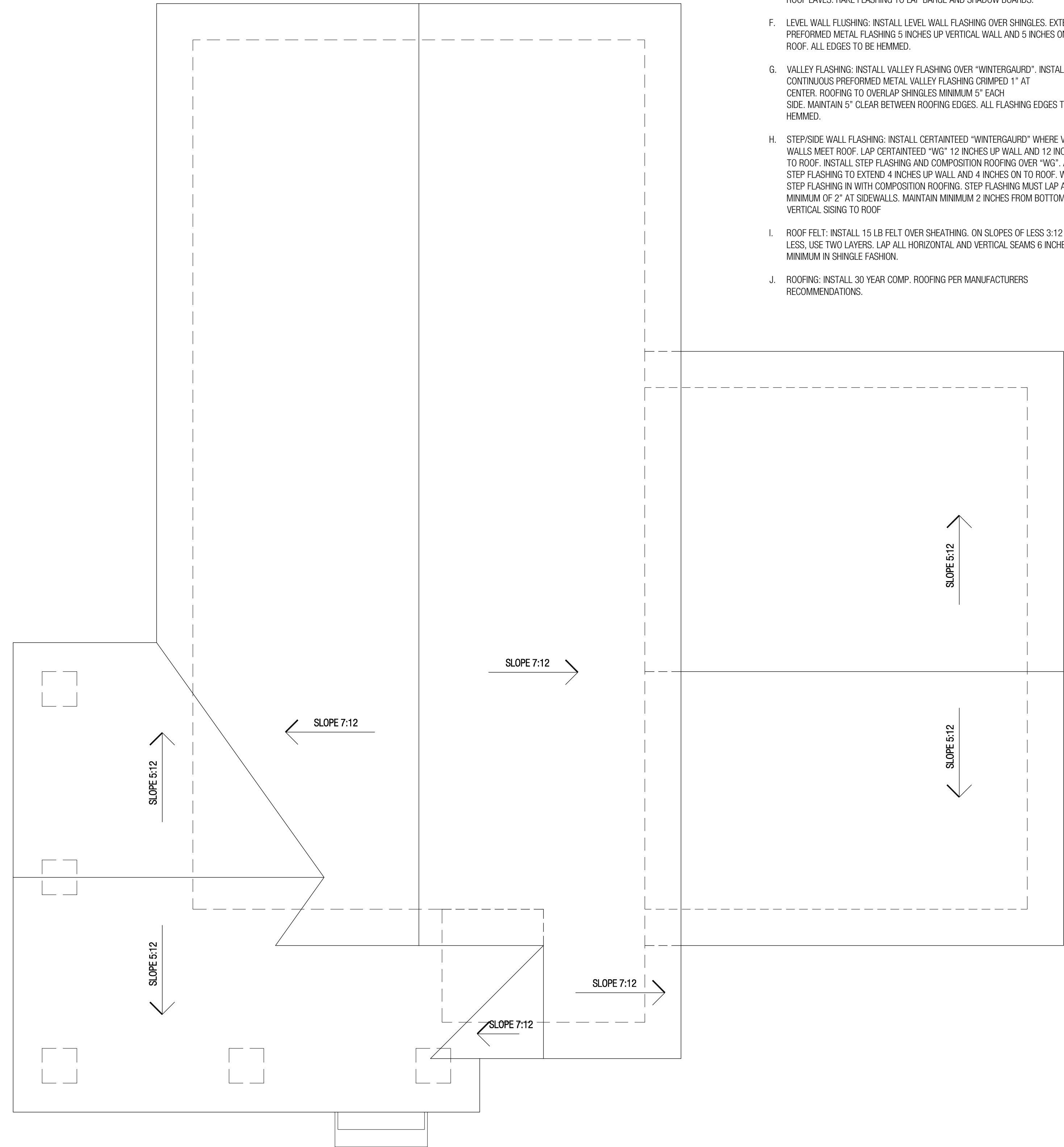
License Use #2037  
 DO NOT COPY  
 Licensed Location:  
 1351 Line Rd,  
 Cameron, NC 27332

sheet no.  
**A4**



BUILDING CROSS SECTION - disregard foundation

3/8"=1'-0"



ROOF PLAN

1/4"=1'-0"

ROOFING, FLASHING, AND GUTTER NOTES

- A. GUTTERS TO BE INSTALLED CONTINUOUS AT ALL EAVES. GUTTERS AND DOWNSPOUTS TO BE PERFORMED 5" OGEE STYLE, CONSTRUCTED OF ALUMINUM AND INSTALLED PREFINISHED ON A BRACK HANGER SYSTEM. NO DOWNSPOUTS TO FOUNDATION DRAINS.
- B. ALL METAL PREFORMED FLASHING TO BE INSTALLED WITH 1/2" HEMMED EDGES.
- C. WATERPROOFING SHINGLE UNDERLAMENT. INSTALL CERTAINTED WINTERGAIRD AT ALL ROOF EAVES LESS THAN 4:12 AND ROOF PENETRATIONS. WINTERGAIRD TO BE INSTALLED BEHIND ALL STEP FLASHING, SIDE WALL FLASHING, LEVEL WALL FLASHING, AND VALLEY FLASHING PER MANUFACTURES SPECIFICATIONS.
- D. EAVE FLASHING: INSTALL CONTINUOUS DRIP EDGE FLASHING AT ALL EAVES. EXTEND FROM OUTSIDE EDGE OF EXTERIOR HEATED WALL 48" OVER HEATED SPACE. FELT TO LAP OVER DRIP EDGE. ALL DRIP EDGE TO LAP FASCIA BOARD AND GUTTER IF APPLICABLE.
- E. RAKE FLASHING: INSTALL CONTINUOUS DRIP EDGE FLASH OVER SHINGLES AT ALL ROOF EAVES. RAKE FLASHING TO LAP BARGE AND SHADOW BOARDS.
- F. LEVEL WALL FLUSHING: INSTALL LEVEL WALL FLASHING OVER SHINGLES. EXTEND PREFORMED METAL FLASHING 5 INCHES UP VERTICAL WALL AND 5 INCHES ONTO ROOF. ALL EDGES TO BE HEMMED.
- G. VALLEY FLASHING: INSTALL VALLEY FLASHING OVER "WINTERGAIRD". INSTALL CONTINUOUS PREFORMED METAL VALLEY FLASHING CRIMPED 1" AT CENTER. ROOFING TO OVERLAP SHINGLES MINIMUM 5" EACH SIDE. MAINTAIN 5" CLEAR BETWEEN ROOFING EDGES. ALL FLASHING EDGES TO BE HEMMED.
- H. STEP/SIDE WALL FLASHING: INSTALL CERTAINTED "WINTERGAIRD" WHERE VERTICAL WALLS MEET ROOF. LAP CERTAINTED "WG" 12 INCHES UP WALL AND 12 INCHES ON TO ROOF. INSTALL STEP FLASHING AND COMPOSITION ROOFING OVER "WG". ALL STEP FLASHING TO EXTEND 4 INCHES UP WALL AND 4 INCHES ON TO ROOF. WEAVE STEP FLASHING IN WITH COMPOSITION ROOFING. STEP FLASHING MUST LAP A MINIMUM OF 2" AT SIDEWALLS. MAINTAIN MINIMUM 2 INCHES FROM BOTTOM OF VERTICAL SING TO ROOF
- I. ROOF FELT: INSTALL 15 LB FELT OVER SHEATHING. ON SLOPES OF LESS 3:12 OR LESS. USE TWO LAYERS. LAP ALL HORIZONTAL AND VERTICAL SEAMS 6 INCHES MINIMUM IN SHINGLE FASHION.
- J. ROOFING: INSTALL 30 YEAR COMP. ROOFING PER MANUFACTURERS RECOMMENDATIONS.

**HOME PATTERNS** crafted simplicity  
 30 Elm Place, Hastings on Hudson, NY 10706  
 (864) 278 0068 INFO@HOMEPATTERNS.COM

Revisions/Additions By Others:

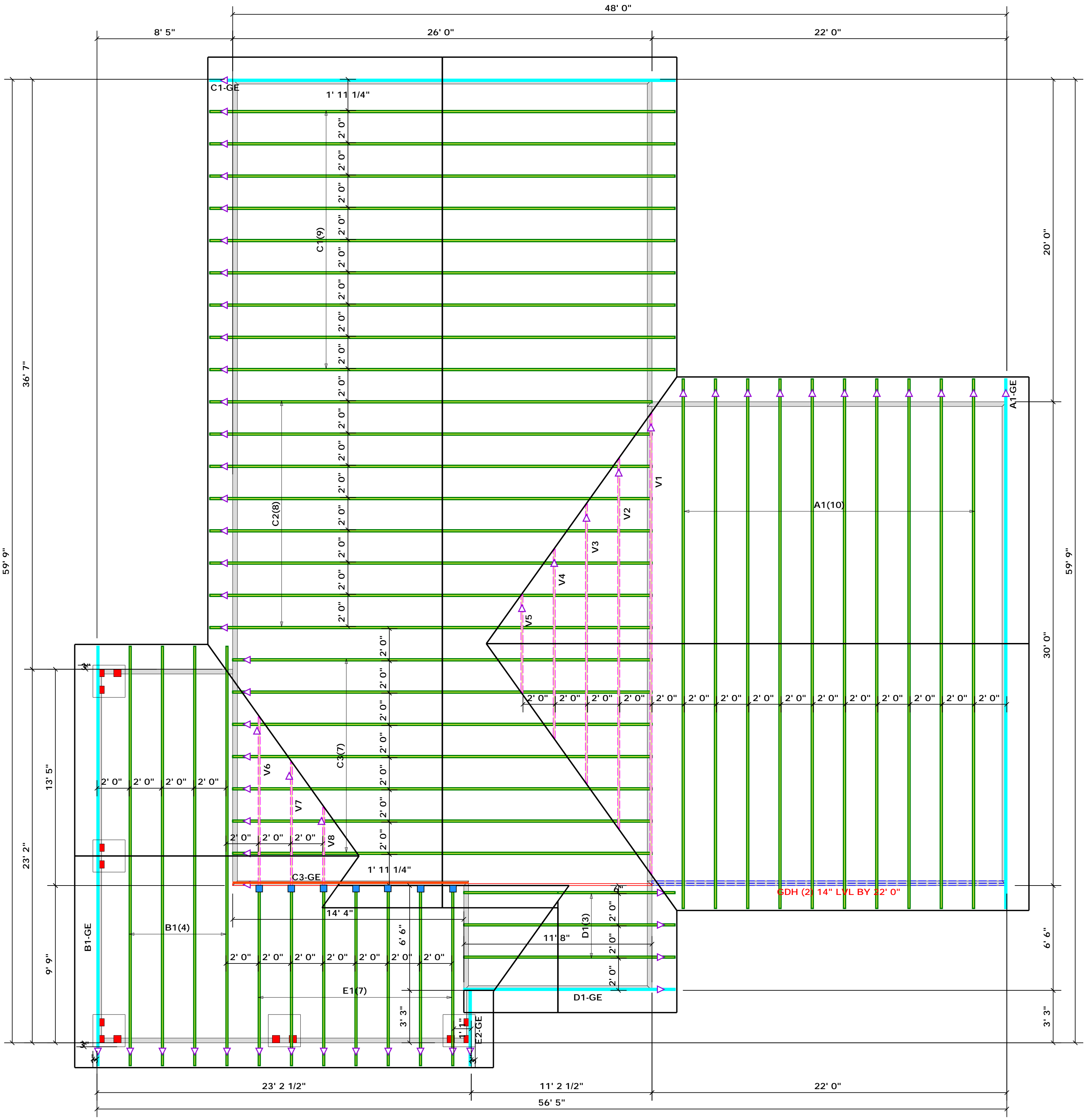
Date of Issue: April 21, 2020

DO NOT COPY  
 Reproduction, either in whole or in part, including any direct copying and/or preparation of derivative works, for any reason without the prior written permission of Home Patterns LLC is strictly prohibited. The purchase of construction plans in no way transfers any ownership to the buyer, except for a limited license to use these construction plans to construct one, and only one, dwelling unit. Additional construction plan sets do not entitle the buyer to construct more than one dwelling unit. Contact Home Patterns LLC (864 278 0068) with further questions regarding reproduction and copyright issues.

BUILDING CODE INFORMATION  
 Although Home Patterns LLC strives to create the most complete package available, it is impossible for Home Patterns LLC to, in good faith, guarantee that this plan will meet all local building requirements. Home Patterns LLC provides a house plan that strives to meet critical and common national building codes (International Residential Code, One & Two Family Dwelling Code). Present and local building codes and zoning regulations may or may not be met with said drawings. Such regulations and laws may include insulating requirements, flood zone measures, seismic conditions, etc. Some states, cities, or municipalities may require a professional's seal or stamp. The home plan buyer is responsible for working directly with a local professional for these services. Home Patterns LLC grants permission for all home plan buyers to consult with local architects, engineers, or builders to ensure local code compliance. Home Patterns LLC grants permission to alter plans but takes no responsibility for said alterations. Home Patterns LLC will make reasonable efforts to insure national code compliance, however the plan is sold as is with no guarantee of strict local code compliance. All structural determinations should be verified and/or made locally by trained professionals with experience of local and site specific conditions and codes.

License Use #2037  
 DO NOT COPY  
 Licensed Location:  
 1351 Line Rd,  
 Cameron, NC 27332

sheet no.  
**A5**



■	HUS26	USP	7	NA	16d/3-1/2"	16d/3-1/2"
---	-------	-----	---	----	------------	------------

Hatch Legend	
■	2x6 - 14' 0" BACKSCAB FOR HANGERS

LVL Legend				
PlotID	Length	Product	Plies	Net Qty
GDH (2) 14" LVL BY 22' 0"	22' 0"	1-3/4"x 14" LVL Kerto-S	2	2

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

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

LOAD CHART FOR JACK STUDS

LINE NUMBER	SPACING	LOAD	LINE NUMBER	SPACING	LOAD
1700	1	2550	1	3400	
3400	2	5100	2	6500	
5100	3	7650	3	10200	
6800	4	13200	4	13600	
8500	5	12750	5	17000	
10200	6	15300	6		
11900	7				
13600	8				
15300	9				

BUILDER	Parks Building Supply\James Ray	CITY / CO.	Cameron / Moore
JOB NAME	Melissa Miller Job	ADDRESS	1351 Line Road
PLAN	The Adkison RF2, Wrap Porch	MODEL	Homepatterns 4/21/20
SEAL DATE	Seal Date	DATE REV.	07/08/20
QUOTE #	B0420-1824	DRAWN BY	Bob Lewis
JOB #	J0420-1824	SALES REP.	Bob Lewis

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult BCSH-B1 and BCSH-B3 provided with the truss delivery package or online @ sbcindustry.com

Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables (derived from the prescriptive Code requirements) to determine the minimum foundation size and number of wood studs required to support reactions greater than 3000# but not greater than 15000#. A registered design professional shall be retained to design the support system for any reaction that exceeds those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000#.

Signature: Bob Lewis  
Bob Lewis



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

# Reaction Summary of Order



ROOF & FLOOR  
TRUSSES & BEAMS

Reilly Road Industrial Park P.O. Box 40408  
Fayetteville, N.C. 28309 (910) 864-TRUS

REQ. QUOTE DATE	/ /	ORDER #	J0420-1824
ORDER DATE	07/08/20	QUOTE #	B0420-1824
DELIVERY DATE	/ /	CUSTOMER ACCT #	006371
DATE OF INVOICE	/ /	CUSTOMER PO #	
ORDERED BY	MIKE RAYNOR	INVOICE #	
COUNTY	Moore	TERMS	5% 10 Net 30
SUPERINTENDANT	MIKE RAYNOR	SALES REP	Bob Lewis
JOBSITE PHONE #	(910) 728-2229	SALES AREA	Bob Lewis

SOLD TO	<b>Parks Building Supply Co.</b> 1001 S. Reilly Rd Reily Rd. Fayetteville, NC 28314 (910) 483-8194	<b>JOB NAME:</b> Melissa Miller Job <b>MODEL:</b> Homepatterns <b>TAG:</b> The Adkison RF2, Wrap <b>LOT #</b> <b>SUBDIV:</b> <b>JOB CATEGORY:</b> Residential - Roof
	<b>DELIVERY INSTRUCTIONS:</b>	
SHIPP TO	<b>Parks Building Supply James</b> 1351 Line Road Cameron, NC	<b>SPECIAL INSTRUCTIONS:</b>
	<b>PLAN SEAL DATE:</b>	

<b>BUILDING DEPARTMENT</b>	<b>OVERHANG INFO</b>	<b>HEEL HEIGHT</b>	00-06-12	<b>REQ. LAYOUTS</b>	<b>REQ. ENGINEERING</b>	<b>QUOTE</b>	BL	07/08/20	
Roof Order	END CUT	RETURN		<b>NONE</b>	<b>NONE</b>	LAYOUT	BL	07/08/20	
	PLUMB		<b>GABLE STUDS</b>			24 IN. OC	CUTTING	BL	07/08/20

## 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
	10		5.00	0.00	COMMON A1	32-10-00 32-10-00	2 X 6	2 X 6			Joint 1      Joint 7 1301.7 lbs.    1301.7 lbs. -100.8 lbs.    -100.8 lbs.
	1		5.00	0.00	COMMON A1-GE	32-10-00 32-10-00	2 X 6	2 X 6			Joint 20      Joint 21      Joint 22      Joint 23      Joint 24 329.9 lbs.    72.9 lbs.    184.0 lbs.    155.8 lbs.    160.9 lbs. -103.9 lbs.    -99.5 lbs.    -58.2 lbs.    -67.9 lbs.    -65.4 lbs.
	4		5.00	0.00	COMMON B1	26-00-00 26-00-00	2 X 6	2 X 6			Joint 1      Joint 2      Joint 5      Joint 8 1028.3 lbs.    570.0 lbs.    1028.3 lbs.    252.3 lbs. -311.2 lbs.    -111.5 lbs.    -311.2 lbs.    32.4 lbs.
	1		5.00	0.00	COMMON B1-GE	26-00-00 26-00-00	2 X 6	2 X 6			Joint 14      Joint 15      Joint 16      Joint 17      Joint 19 381.3 lbs.    69.9 lbs.    190.7 lbs.    150.5 lbs.    180.1 lbs. -81.0 lbs.    -72.3 lbs.    -63.5 lbs.    -71.8 lbs.    -57.6 lbs.
	9		7.00	0.00	COMMON C1	28-10-00 28-10-00	2 X 6	2 X 6			Joint 1      Joint 7 1213.7 lbs.    1213.7 lbs. -80.8 lbs.    -80.8 lbs.
	1		7.00	0.00	COMMON C1-GE	28-10-00 28-10-00	2 X 6	2 X 6			Joint 18      Joint 19      Joint 20      Joint 21      Joint 22 319.4 lbs.    221.6 lbs.    180.1 lbs.    176.9 lbs.    173.7 lbs. -102.5 lbs.    -168.7 lbs.    -62.2 lbs.    -86.5 lbs.    -94.5 lbs.
	8		7.00	0.00	COMMON C2	28-10-00 27-05-00	2 X 6	2 X 6			Joint 1      Joint 7 1163.0 lbs.    1164.4 lbs. -79.6 lbs.    -71.7 lbs.
	7		7.00	0.00	COMMON C3	26-00-00 26-00-00	2 X 6	2 X 6			Joint 1      Joint 7 1111.1 lbs.    1109.4 lbs. -70.7 lbs.    -70.7 lbs.
	1		7.00	0.00	COMMON C3-GE	26-00-00 26-00-00	2 X 6	2 X 6			Joint 1      Joint 7      Joint 10      Joint 12      Joint 13 441.7 lbs.    526.0 lbs.    255.6 lbs.    1110.8 lbs.    467.4 lbs. -127.0 lbs.    -79.9 lbs.    -9.3 lbs.    -254.2 lbs.    -136.7 lbs.
	3		7.00	0.00	COMMON D1	13-01-00 13-01-00	2 X 6	2 X 6			Joint 1      Joint 4 517.5 lbs.    517.5 lbs. -38.7 lbs.    -30.8 lbs.



# Reaction Summary of Order



ROOF & FLOOR  
TRUSSES & BEAMS

Reilly Road Industrial Park P.O. Box 40408  
Fayetteville, N.C. 28309 (910) 864-TRUS

REQ. QUOTE DATE	/ /	ORDER #	J0420-1824
ORDER DATE	07/08/20	QUOTE #	B0420-1824
DELIVERY DATE	/ /	CUSTOMER ACCT #	006371
DATE OF INVOICE	/ /	CUSTOMER PO #	
ORDERED BY	MIKE RAYNOR	INVOICE #	
COUNTY	Moore	TERMS	5% 10 Net 30
SUPERINTENDANT	MIKE RAYNOR	SALES REP	Bob Lewis
JOBSITE PHONE #	(910) 728-2229	SALES AREA	Bob Lewis

SOLD TO	<b>Parks Building Supply Co.</b> 1001 S. Reilly Rd Reily Rd. Fayetteville, NC 28314 (910) 483-8194	<b>JOB NAME:</b> Melissa Miller Job <b>MODEL:</b> Homepatterns <b>TAG:</b> The Adkison RF2, Wrap <b>DELIVERY INSTRUCTIONS:</b>	<b>LOT #</b> <b>SUBDIV:</b> <b>JOB CATEGORY:</b> Residential - Roof
	<b>SHIPP TO</b> <b>Parks Building Supply James</b> 1351 Line Road Cameron, NC	<b>SPECIAL INSTRUCTIONS:</b>	<b>PLAN SEAL DATE:</b> BY      DATE

<b>BUILDING DEPARTMENT</b>	<b>OVERHANG INFO</b>	<b>HEEL HEIGHT</b>	00-06-12	<b>REQ. LAYOUTS</b>	<b>REQ. ENGINEERING</b>	<b>QUOTE</b>	BL	07/08/20	
Roof Order	END CUT	RETURN		NONE	NONE	LAYOUT	BL	07/08/20	
	PLUMB		<b>GABLE STUDS</b>			24 IN. OC	CUTTING	BL	07/08/20

## 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	
	1	7.00	0.00	COMMON D1-GE	13-01-00 13-01-00	2 X 6	2 X 6			Joint 8: 54.5 lbs., -147.9 lbs. Joint 9: 302.0 lbs., -136.8 lbs. Joint 10: 167.7 lbs., -70.0 lbs. Joint 11: 303.6 lbs., 50.5 lbs. Joint 12: 94.3 lbs., -71.9 lbs.
	7	5.00	0.00	MONOPITCH E1	11-02-00 11-02-00	2 X 6	2 X 6			Joint 1: 429.9 lbs., -105.5 lbs. Joint 6: 441.0 lbs., -154.6 lbs.
	1	5.00	0.00	MONOPITCH E2-GE	04-08-00 04-08-00	2 X 6	2 X 6			Joint 1: 131.4 lbs., -37.5 lbs. Joint 3: 190.7 lbs., -249.2 lbs. Joint 4: 419.4 lbs., -307.3 lbs. Joint 5: 109.3 lbs., -7.0 lbs.
	1	5.00	0.00	VALLEY V1	28-06-12 28-06-12	2 X 4	2 X 4			Joint 1: 188.8 lbs., -4.5 lbs. Joint 7: 188.8 lbs., -8.4 lbs. Joint 8: 459.8 lbs., -89.2 lbs. Joint 9: 338.5 lbs., -62.1 lbs. Joint 11: 471.9 lbs., 52.5 lbs.
	1	5.00	0.00	VALLEY V2	22-11-09 22-11-09	2 X 4	2 X 4			Joint 1: 84.9 lbs., -3.1 lbs. Joint 7: 84.9 lbs., 5.6 lbs. Joint 8: 295.4 lbs., -56.7 lbs. Joint 10: 346.0 lbs., -72.5 lbs. Joint 11: 279.0 lbs., 38.9 lbs.
	1	5.00	0.00	VALLEY V3	17-04-06 17-04-06	2 X 4	2 X 4			Joint 1: 129.2 lbs., -3.6 lbs. Joint 5: 129.2 lbs., -8.1 lbs. Joint 6: 379.6 lbs., -78.7 lbs. Joint 8: 263.8 lbs., 24.6 lbs. Joint 9: 379.6 lbs., -78.7 lbs.
	1	5.00	0.00	VALLEY V4	11-09-03 11-09-03	2 X 4	2 X 4			Joint 1: 186.0 lbs., -27.7 lbs. Joint 3: 186.0 lbs., -32.3 lbs. Joint 4: 460.5 lbs., -8.6 lbs.
	1	5.00	0.00	VALLEY V5	06-02-00 06-02-00	2 X 4	2 X 4			Joint 1: 93.0 lbs., -16.4 lbs. Joint 3: 93.0 lbs., -18.5 lbs. Joint 4: 190.4 lbs., 3.5 lbs.
	1	5.00	0.00	VALLEY V6	10-05-13 10-05-13	2 X 4	2 X 4			Joint 1: 120.4 lbs., 16.9 lbs. Joint 5: 53.2 lbs., -17.5 lbs. Joint 6: 227.0 lbs., -11.7 lbs. Joint 7: 379.2 lbs., -77.4 lbs.
	1	5.00	0.00	VALLEY V7	07-08-03 07-08-03	2 X 4	2 X 4			Joint 1: 194.8 lbs., -22.5 lbs. Joint 4: 37.3 lbs., -31.4 lbs. Joint 5: 312.5 lbs., -4.6 lbs.

# Reaction Summary of Order



ROOF & FLOOR  
TRUSSES & BEAMS

Reilly Road Industrial Park P.O. Box 40408  
Fayetteville, N.C. 28309 (910) 864-TRUS

REQ. QUOTE DATE	/ /	ORDER #	J0420-1824
ORDER DATE	07/08/20	QUOTE #	B0420-1824
DELIVERY DATE	/ /	CUSTOMER ACCT #	006371
DATE OF INVOICE	/ /	CUSTOMER PO #	
ORDERED BY	MIKE RAYNOR	INVOICE #	
COUNTY	Moore	TERMS	5% 10 Net 30
SUPERINTENDANT	MIKE RAYNOR	SALES REP	Bob Lewis
JOBSITE PHONE #	(910) 728-2229	SALES AREA	Bob Lewis

SOLD TO	<b>Parks Building Supply Co.</b> 1001 S. Reilly Rd Reilly Rd. Fayetteville, NC 28314 (910) 483-8194	<b>JOB NAME:</b> Melissa Miller Job <b>MODEL:</b> Homepatterns <b>TAG:</b> The Adkison RF2, Wrap <b>LOT #</b> <b>SUBDIV:</b> <b>JOB CATEGORY:</b> Residential - Roof
	<b>DELIVERY INSTRUCTIONS:</b>	<b>PLAN SEAL DATE:</b>
SHIPP TO	<b>Parks Building Supply James</b> 1351 Line Road Cameron, NC	<b>SPECIAL INSTRUCTIONS:</b>

<b>BUILDING DEPARTMENT</b>	<b>OVERHANG INFO</b>	<b>HEEL HEIGHT</b>	00-06-12	<b>REQ. LAYOUTS</b>	<b>REQ. ENGINEERING</b>	<b>QUOTE</b>	BL	07/08/20
Roof Order	END CUT    RETURN PLUMB	<b>GABLE STUDS</b>	24 IN. OC	<b>NONE</b>	<b>NONE</b>	<b>LAYOUT</b>	BL	07/08/20
						<b>CUTTING</b>	BL	07/08/20

## 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	
	1	5.00	0.00	VALLEY V8	04-10-09 04-10-09	2 X 4	2 X 4			Joint 1    Joint 3    Joint 4 93.0 lbs.    73.6 lbs.    165.7 lbs. -15.7 lbs.    -16.6 lbs.    3.7 lbs.

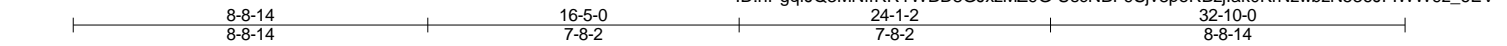
## ITEMS

QTY	ITEM TYPE	SIZE	LENGTH FT-IN-16	PART NUMBER	NOTES
2	Parks - Comtech	DSGN-LVL, 1-3/4" x 14"	22-00-00		Front GDH
7	Hangers, USP	HUS 26			SIMPSON (HUS26)

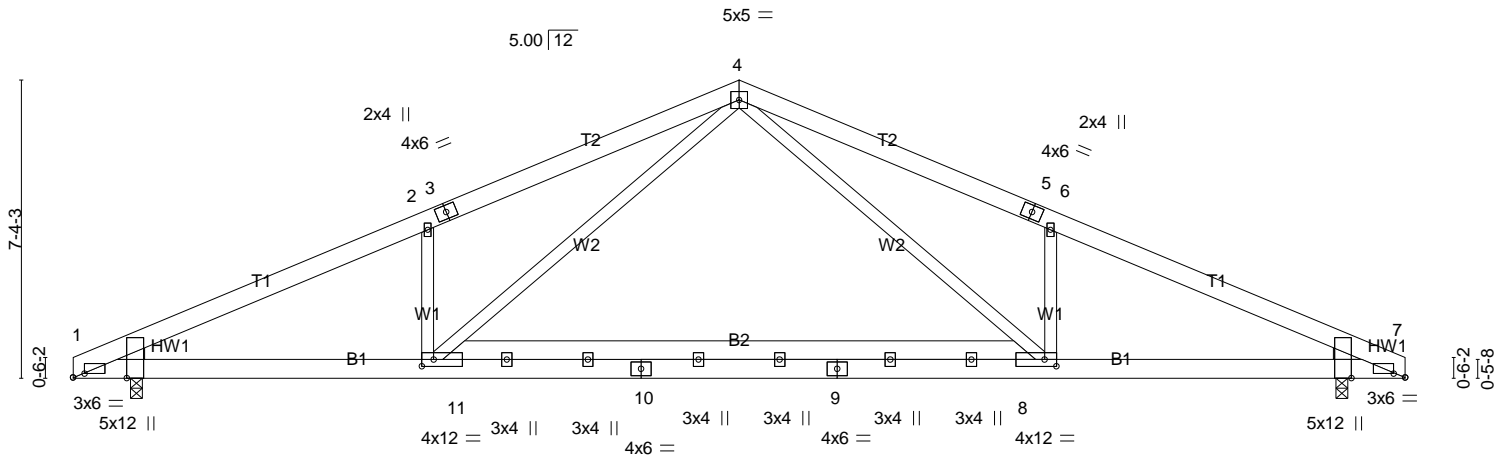
Job J0420-1824	Truss A1	Truss Type Common	Qty 10	Ply 1	Parks Bldg. Sply. Melissa Miller Job Job Reference (optional)
-------------------	-------------	----------------------	-----------	----------	--

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:30 2020 Page 1  
ID:nPggfJQ3MNfRRYWBd8GJxzMZ9G-UscNBF9Sjv8peRBzjlak0KrNzwbzN536JFIWW9z\_6EV



Scale = 1:56.8



1-5-0 1-5-0	8-8-14 7-3-14	24-1-2 15-4-3	31-5-0 7-3-14	32-10-0 1-5-0
----------------	------------------	------------------	------------------	------------------

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.72	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.64	Vert(LL) -0.20 8-11 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.45	Vert(CT) -0.36 8-11 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.06 7 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.08 8-11 >999 240	Weight: 236 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x6 SP No.1  
BOT CHORD 2x6 SP No.1  
WEBS 2x4 SP No.2  
WEDGE  
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 4-1-11 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.** (size) 1=0-3-8 (min. 0-1-9), 7=0-3-8 (min. 0-1-9)  
Max Horz 1=-86(LC 17)  
Max Uplift 1=-101(LC 12), 7=-101(LC 13)  
Max Grav 1=1302(LC 1), 7=1302(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-12=-2802/629, 2-12=-2709/652, 2-3=-2724/718, 3-13=-2714/721, 4-13=-2626/753,  
4-14=-2626/753, 5-14=-2714/721, 5-6=-2724/718, 6-15=-2709/652, 7-15=-2802/629  
BOT CHORD 1-11=-497/2517, 10-11=-260/1571, 9-10=-260/1571, 8-9=-260/1571, 7-8=-498/2517  
WEBS 4-8=-247/1223, 6-8=-506/313, 4-11=-247/1223, 2-11=-506/313

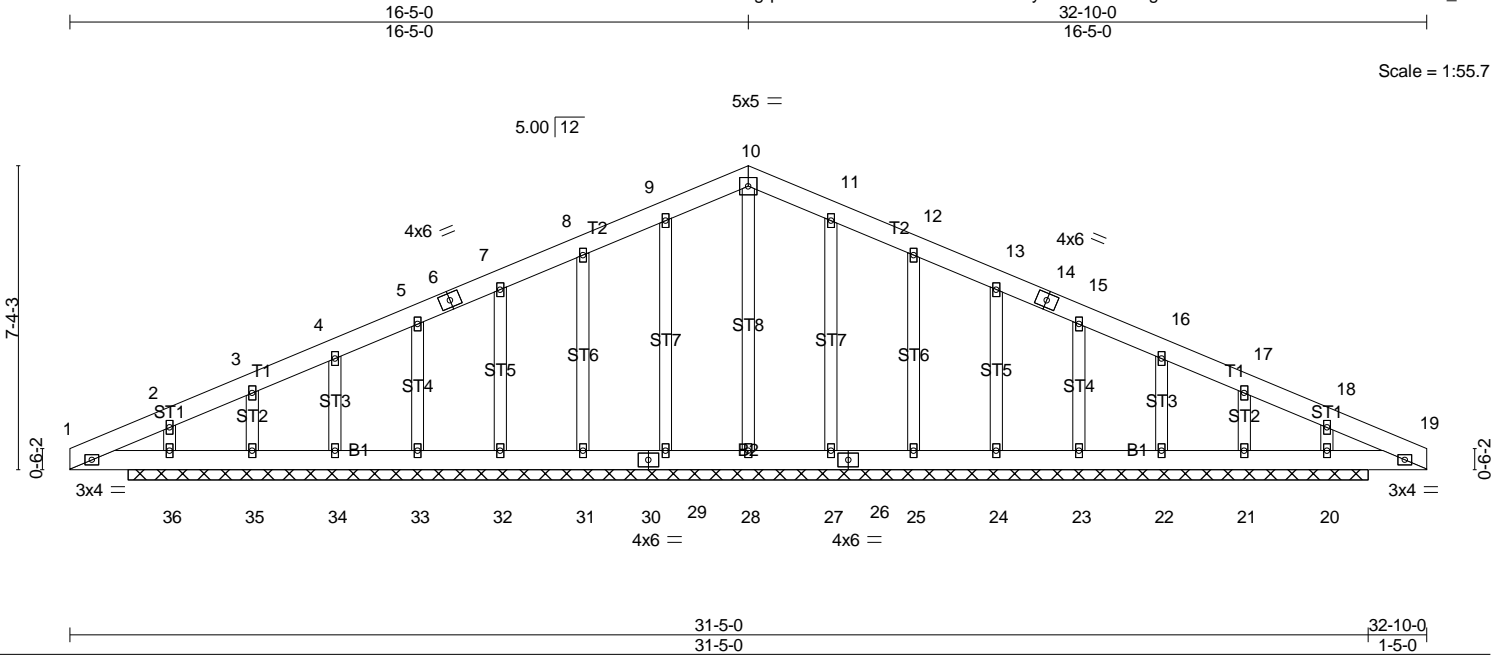
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-1-12 to 4-11-6, Interior(1) 4-11-6 to 16-5-0, Exterior(2) 16-5-0 to 21-2-10, Interior(1) 21-2-10 to 32-8-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 101 lb uplift at joint 1 and 101 lb uplift at joint 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 J0420-1824	Truss A1-GE	Truss Type Common Supported Gable	Qty 1	Ply 1	Parks Bldg. Sply.\Melissa Miller Job Job Reference (optional)
-------------------	----------------	--------------------------------------	----------	----------	--

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:31 2020 Page 1  
ID:nPgqfJQ3MNFRRYWBDB8GJxzMZ9G-y2AIPbA4UDGgGbmAH?5zZYQirK3H6dGGYv132bz\_6EU



<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.07	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.06	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.14	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 20 n/a n/a		
	Code IRC2015/TPI2014			Weight: 235 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 10-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

**REACTIONS.** All bearings 30-0-0.  
(lb) - Max Horz 36=144(LC 12)  
Max Uplift All uplift 100 lb or less at joint(s) 29, 31, 32, 33, 34, 27, 25, 24, 23, 22, 21 except 35=-118(LC 12), 36=-101(LC 8), 20=-104(LC 9)  
Max Grav All reactions 250 lb or less at joint(s) 28, 29, 31, 32, 33, 34, 35, 27, 25, 24, 23, 22, 21 except 36=330(LC 23), 20=330(LC 24)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
WEBS 2-36=-206/256, 18-20=-206/256

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-0-0 to 4-9-10, Exterior(2) 4-9-10 to 16-5-0, Corner(3) 16-5-0 to 21-2-10, Exterior(2) 21-2-10 to 32-10-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 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.
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 29, 31, 32, 33, 34, 27, 25, 24, 23, 22, 21 except (jt=lb) 35=118, 36=101, 20=104.
  - Non Standard bearing condition. Review required.
  - 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 J0420-1824	Truss B1	Truss Type Common	Qty 4	Ply 1	Parks Bldg. Sply. Melissa Miller Job
-------------------	-------------	----------------------	----------	----------	--------------------------------------

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:32 2020 Page 1  
ID:nPggfJQ3MNfRRYWBD8GJxzMZ9G-QEK7cwAIEOXuILMqjdC6lx7kGtr0oPnZnca2z\_6ET

Scale = 1:43.6

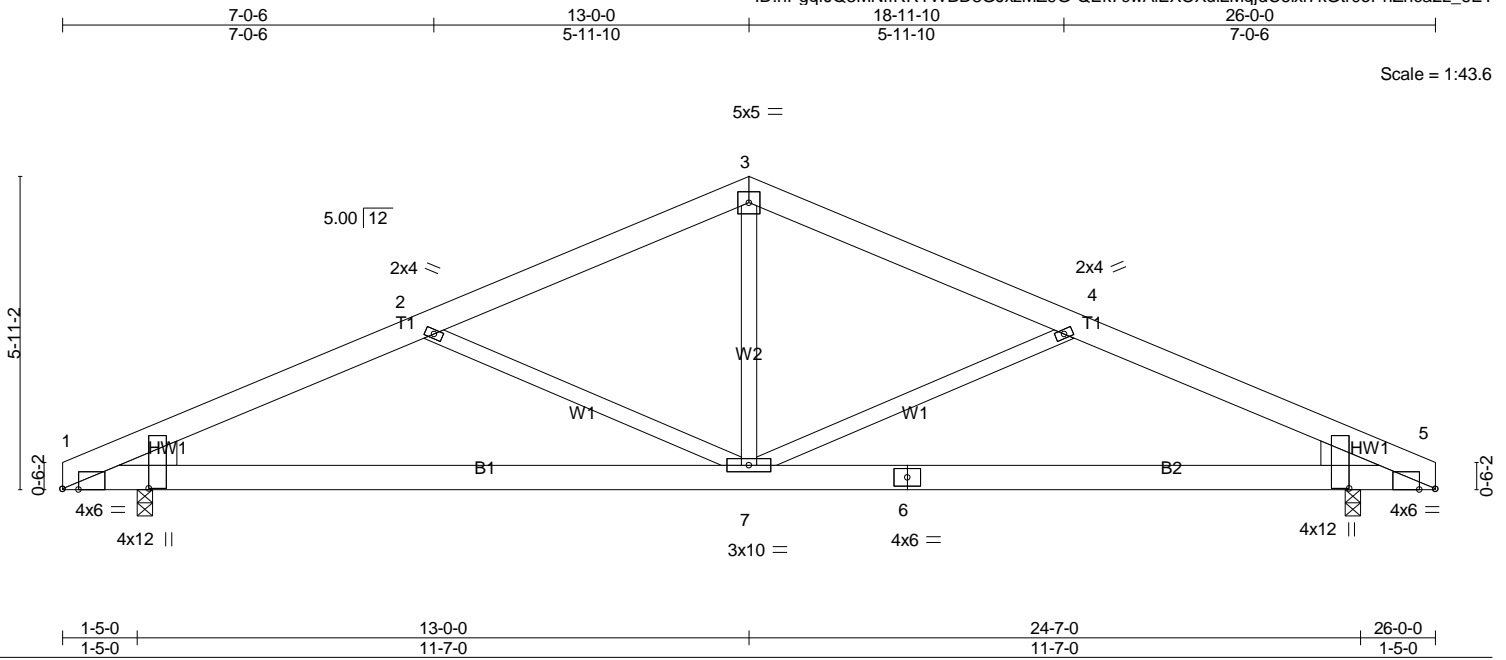


Plate Offsets (X,Y)-- [1:0-3-10,Edge], [1:0-0-1,1-7-10], [5:0-3-10,Edge], [5:0-0-1,1-7-10]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 1.00	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.61	Vert(LL) -0.14 5-7 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.44	Vert(CT) -0.31 5-7 >989 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.04 5 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.31 1-7 >999 240		
				Weight: 159 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x6 SP No.1  
 WEBS 2x4 SP No.2  
 WEDGE  
 Left: 2x6 SP No.1 , Right: 2x6 SP No.1

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 5-2-12 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 5-11-4 oc bracing.

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

**REACTIONS.** (size) 1=0-3-8 (min. 0-1-8), 5=0-3-8 (min. 0-1-8)  
 Max Horz 1=68(LC 13)  
 Max Uplift 1=311(LC 9), 5=311(LC 8)  
 Max Grav 1=1028(LC 1), 5=1028(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-8=-1984/1639, 2-8=-1886/1660, 2-9=-1486/1420, 3-9=-1406/1446, 3-10=-1406/1446,  
 4-10=-1486/1420, 4-11=-1886/1660, 5-11=-1984/1639  
 BOT CHORD 1-7=-1457/1779, 6-7=-1458/1779, 5-6=-1458/1779  
 WEBS 3-7=-914/769, 4-7=-549/365, 2-7=-549/365

**NOTES-**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-1-12 to 4-11-6, Interior(1) 4-11-6 to 13-0-0, Exterior(2) 13-0-0 to 17-9-10, Interior(1) 17-9-10 to 25-10-4 zone; cantilever left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=311, 5=311.
- 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.

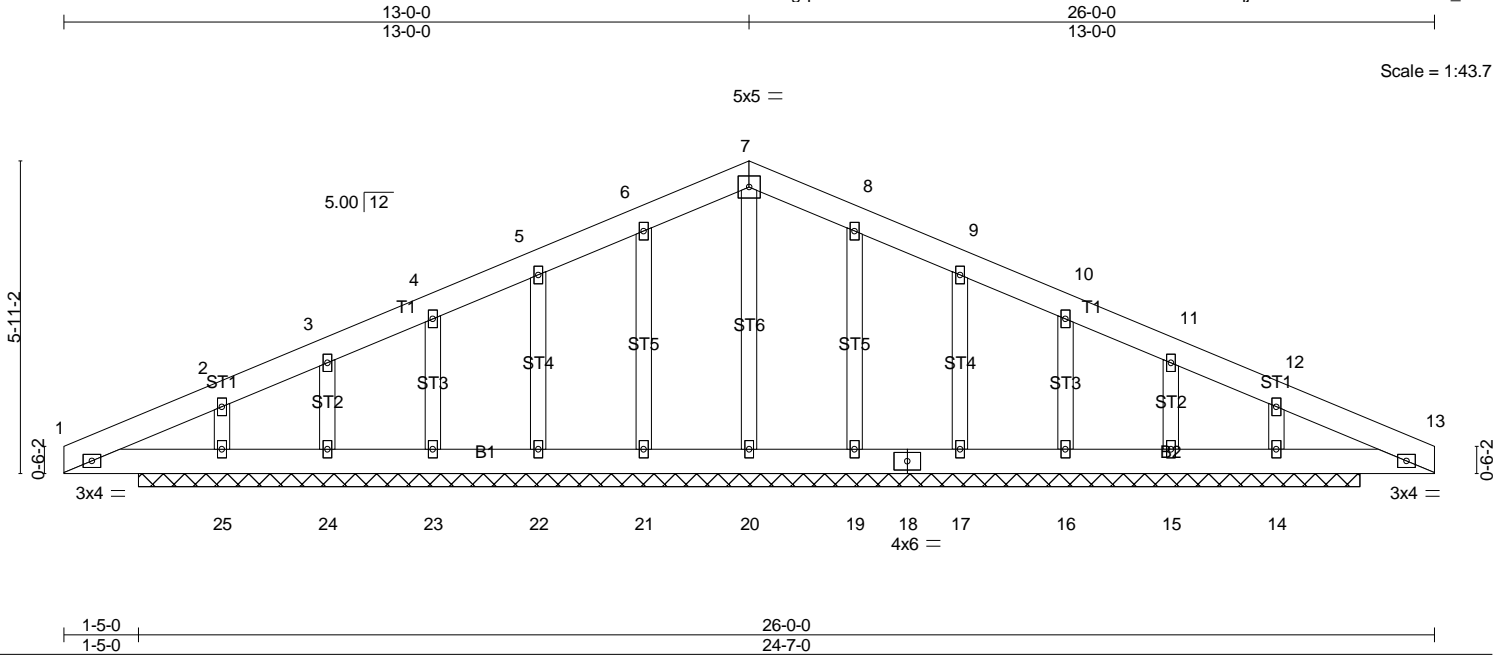
**LOAD CASE(S)** Standard

Job J0420-1824	Truss B1-GE	Truss Type Common Supported Gable	Qty 1	Ply 1	Parks Bldg. Sply.\Melissa Miller Job Job Reference (optional)
-------------------	----------------	--------------------------------------	----------	----------	--

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:32 2020 Page 1  
ID:nPgqfJQ3MNfRRYWB8GJxzMZ9G-QEK7cwAiEXOXuLLMqjdC6lxtDkOFr5xPnZnca2z\_6ET

Scale = 1:43.7



LOADING (psf)	SPACING-	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 0.11	Horz(CT) 0.00	14	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S					Weight: 173 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 10'-0" oc purlins.  
BOT CHORD Rigid ceiling directly applied or 6'-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 23'-2-0."  
(lb) - Max Horz 25=115(LC 12)  
Max Uplift All uplift 100 lb or less at joint(s) 21, 22, 23, 24, 25, 19, 17, 16, 15, 14  
Max Grav All reactions 250 lb or less at joint(s) 21, 22, 23, 24, 19, 17, 16, 15 except 20=264(LC 1), 25=381(LC 23), 14=381(LC 24)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
WEBS 2-25=-239/296, 12-14=-239/296

**NOTES-**

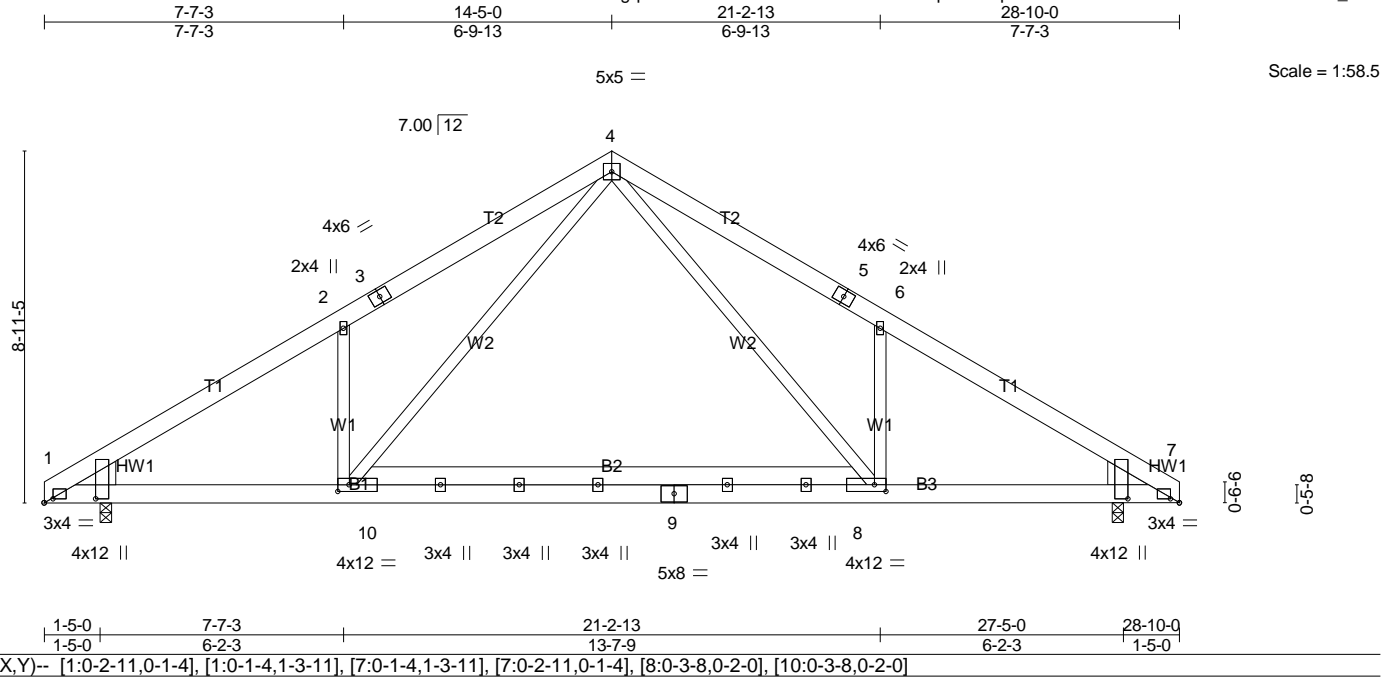
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0'-0" to 5'-0", Exterior(2) 5'-0" to 13'-0", Corner(3) 13'-0" to 17'-9-10", Exterior(2) 17'-9-10" to 26'-0" zone; cantilever left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2'-0" oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 21, 22, 23, 24, 25, 19, 17, 16, 15, 14.
- Non Standard bearing condition. Review required.
- 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 J0420-1824	Truss C1	Truss Type Common	Qty 9	Ply 1	Parks Bldg. Sply. Melissa Miller Job Job Reference (optional)
-------------------	-------------	----------------------	----------	----------	--

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:33 2020 Page 1  
ID:nPggfJQ3MNFfRRYWBd8GJxzMZ9G-vRIVpGBK?qWovvwYQ8RezTw28dbaSLZ?DWA6Uz\_6ES



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.60	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.51	Vert(LL) -0.14 8-10 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.48	Vert(CT) -0.23 8-10 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.04 7 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.04 10 >999 240	Weight: 226 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x6 SP No.1  
BOT CHORD 2x6 SP No.1  
WEBS 2x4 SP No.2  
WEDGE  
Left: 2x8 SP No.1, Right: 2x8 SP No.1

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 5-2-8 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.** (size) 1=0-3-8 (min. 0-1-8), 7=0-3-8 (min. 0-1-8)  
Max Horz 1=210(LC 9)  
Max Uplift 1=81(LC 12), 7=81(LC 13)  
Max Grav 1=1214(LC 19), 7=1214(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-11=-2092/384, 2-11=-1968/410, 2-3=-2085/539, 3-12=-2062/540, 4-12=-1989/576,  
4-13=-1981/576, 5-13=-2053/540, 5-6=-2077/538, 6-14=-1960/410, 7-14=-2083/384  
BOT CHORD 1-10=-242/1861, 10-15=-57/1105, 9-15=-57/1105, 9-16=-57/1105, 8-16=-57/1105,  
7-8=-242/1696  
WEBS 4-8=-239/1138, 6-8=-515/315, 4-10=-239/1143, 2-10=-515/315

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCdL=6.0psf; BCdL=6.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-1-12 to 4-11-5, Interior(1) 4-11-5 to 14-5-0, Exterior(2) 14-5-0 to 19-2-10, Interior(1) 19-2-10 to 28-8-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 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 100 lb uplift at joint(s) 1, 7.
  - 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 J0420-1824	Truss C1-GE	Truss Type Common Supported Gable	Qty 1	Ply 1	Parks Bldg. Sply.\Melissa Miller Job Job Reference (optional)
-------------------	----------------	--------------------------------------	----------	----------	--

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:34 2020 Page 1  
ID:nPqgfJQ3MNfRRYWBDB8GJxzMZ9G-Ndst1cCzm8eF73Vly8fgBAODAY4hJ\_5iEtGjfwz\_6ER

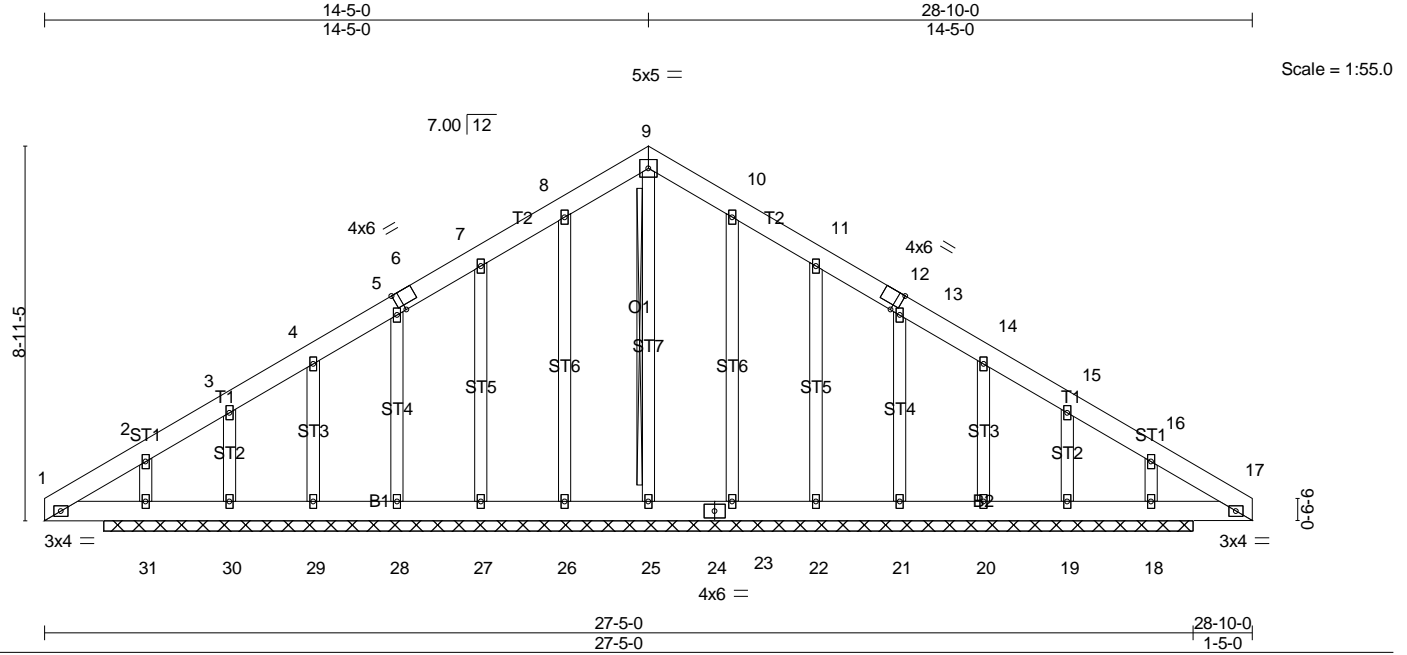


Plate Offsets (X,Y)-- [6:0-1-11,Edge], [12:0-1-11,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.07	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.08	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.13	Horz(CT)	0.00	18	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S					Weight: 229 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 10-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
WEBS T-Brace: 2x4 SPF No.2 - 9-25  
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance.  
Brace must cover 90% of web length.

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

**REACTIONS.** All bearings 26-0-0.  
(lb) - Max Horz 31=263(LC 9)  
Max Uplift All uplift 100 lb or less at joint(s) 26, 27, 28, 29, 23, 22, 21, 20 except  
30=-186(LC 12), 31=-137(LC 8), 19=-169(LC 13), 18=-102(LC 9)  
Max Grav All reactions 250 lb or less at joint(s) 26, 27, 28, 29, 30, 23, 22, 21,  
20, 19 except 25=264(LC 22), 31=345(LC 20), 18=319(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 7-8=-160/252, 8-9=-200/273, 9-10=-200/260

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-0-0 to 4-9-9, Exterior(2) 4-9-9 to 14-5-0, Corner(3) 14-5-0 to 19-2-10, Exterior(2) 19-2-10 to 28-10-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 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.
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 27, 28, 29, 23, 22, 21, 20 except (jt=lb) 30=186, 31=137, 19=169, 18=102.
  - Non Standard bearing condition. Review required.
  - 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.
  - Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

**LOAD CASE(S)** Standard



Job J0420-1824	Truss C2	Truss Type Common	Qty 8	Ply 1	Parks Bldg. Sply. Melissa Miller Job Job Reference (optional)
-------------------	-------------	----------------------	----------	----------	--

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:35 2020 Page 1  
ID:nPggfJQ3MNffRRYWB8GJxzMZ9G-rpQGEyDbXSm6lC4xWrAvjOZH8xKa2MwsTX?GBMz\_6EQ

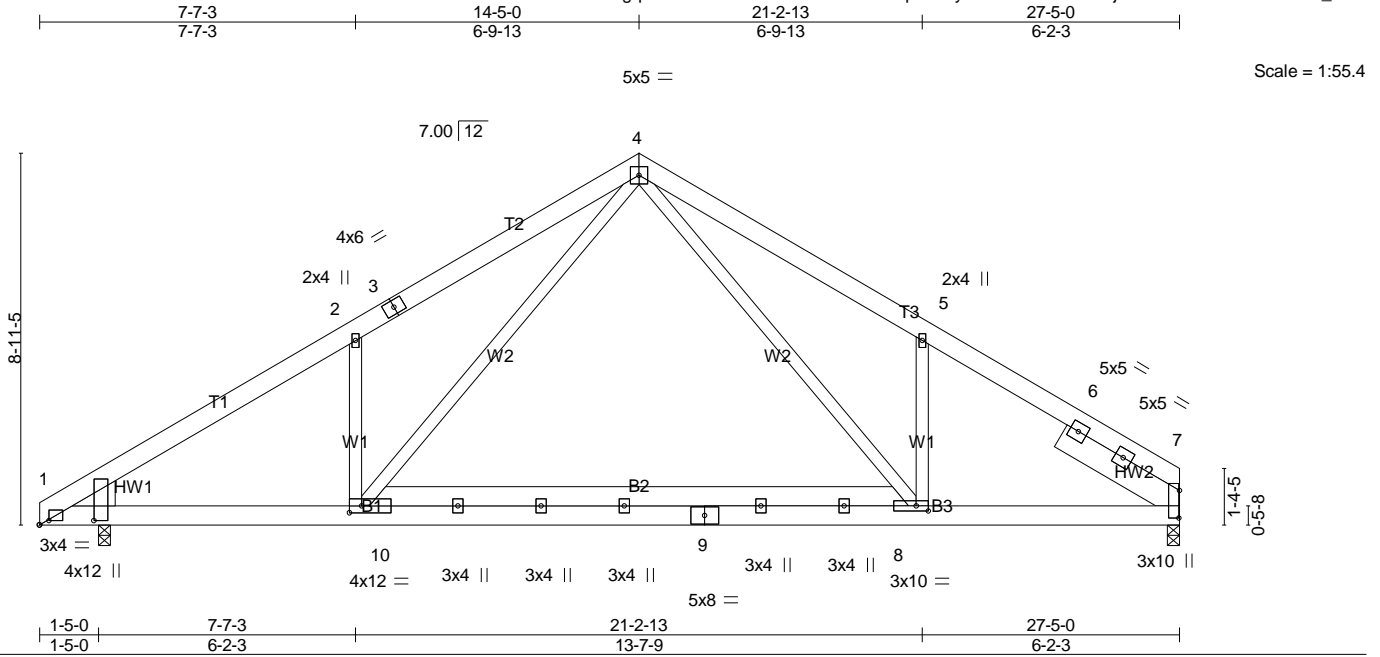


Plate Offsets (X,Y)-- [1:0-1-4,1-3-11], [1:0-2-11,0-1-4], [7:0-7-15,0-0-2], [8:0-3-8,0-1-8], [10:0-3-8,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.56	Vert(LL) -0.13	8-10	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.48	Vert(CT) -0.22	8-10	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.48	Horz(CT) 0.03	7	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.04	10	>999	240		
							Weight: 226 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x6 SP No.1  
 WEBS 2x4 SP No.2  
 WEDGE  
 Left: 2x8 SP No.1  
 SLIDER Right 2x8 SP No.1 - 3-3-13

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 5-4-0 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.** (size) 7=0-3-8 (min. 0-1-8), 1=0-3-8 (min. 0-1-8)

Max Horz 1=210(LC 8)  
 Max Uplift 7=-72(LC 13), 1=-80(LC 12)  
 Max Grav 7=1164(LC 20), 1=1163(LC 19)

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

TOP CHORD 1-11=-1989/364, 2-11=-1866/390, 2-3=-1981/517, 3-12=-1958/519, 4-12=-1887/554,  
 4-13=-1618/505, 5-13=-1681/468, 5-14=-1645/363, 6-14=-1701/345, 6-7=-1787/332  
 BOT CHORD 1-10=-224/1773, 10-15=-41/1018, 9-15=-41/1018, 9-16=-41/1018, 8-16=-41/1018,  
 7-8=-178/1362  
 WEBS 4-8=-172/783, 5-8=-302/261, 4-10=-236/1142, 2-10=-510/313

**NOTES-**

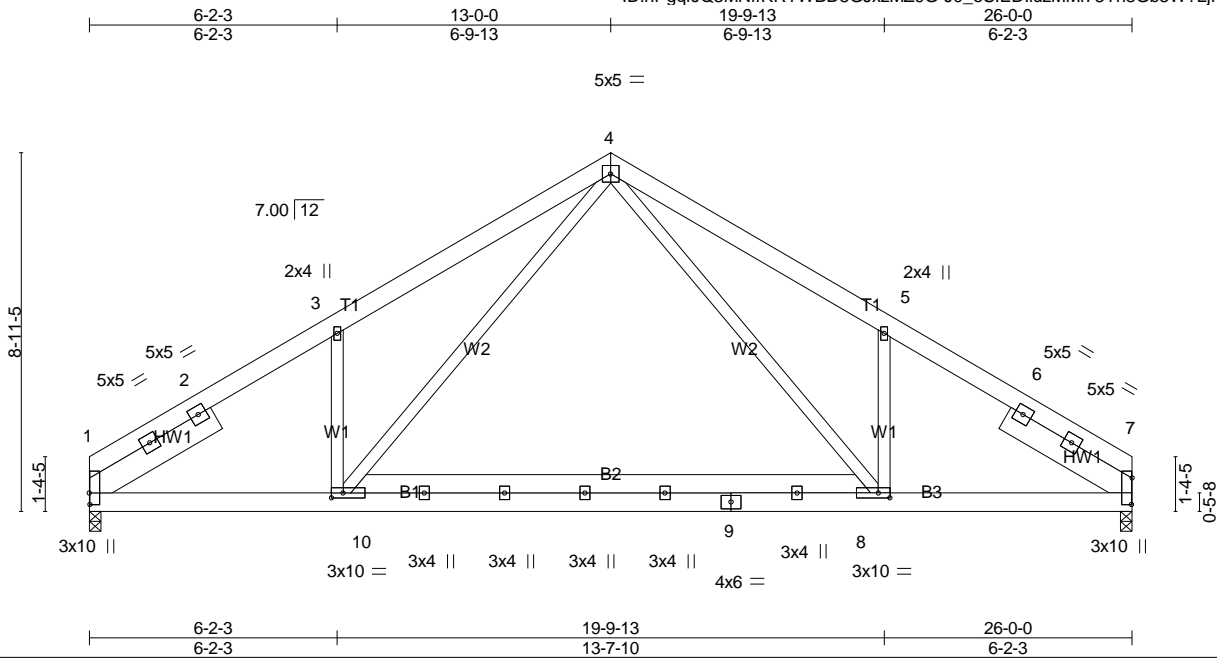
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-1-12 to 4-11-5, Interior(1) 4-11-5 to 14-5-0, Exterior(2) 14-5-0 to 19-2-10, Interior(1) 19-2-10 to 27-5-0 zone; cantilever left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 1.
- 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 J0420-1824	Truss C3	Truss Type Common	Qty 7	Ply 1	Parks Bldg. Sply.\Melissa Miller Job Job Reference (optional)
-------------------	-------------	----------------------	----------	----------	--

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:36 2020 Page 1  
ID:nPggfJQ3MNFfRRYWBDB8GJxzMZ9G-J0\_eSIEDlluzMMf73Yh8Gb5W?LjPnrE?Blqjz\_6EP



Scale = 1:57.4

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.30	Vert(LL) -0.13	8-10	>999	360	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.32	Vert(CT) -0.20	8-10	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.35	Horz(CT) 0.02	7	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL) 0.03	8-10	>999	240		
	Code IRC2015/TPI2014						Weight: 228 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x6 SP No.1  
 WEBS 2x4 SP No.2  
 SLIDER Left 2x8 SP No.1 -œ 3-8-3, Right 2x8 SP No.1 -œ 3-8-3

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 5-8-13 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.**

(size) 1=0-3-8 (min. 0-1-8), 7=0-3-8 (min. 0-1-8)  
 Max Horz 1=-210(LC 8)  
 Max Uplift 1=-71(LC 12), 7=-71(LC 13)  
 Max Grav 1=1111(LC 19), 7=1109(LC 20)

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

TOP CHORD 1-2=-1710/313, 2-11=-1616/326, 3-11=-1568/345, 3-12=-1623/450, 4-12=-1544/488,  
 4-13=-1532/487, 5-13=-1612/450, 5-14=-1556/344, 6-14=-1604/326, 6-7=-1699/313  
 BOT CHORD 1-10=-165/1452, 10-15=-29/930, 9-15=-29/930, 8-9=-29/930, 7-8=-164/1284  
 WEBS 4-8=-171/796, 5-8=-306/261, 4-10=-171/805, 3-10=-306/261

**NOTES-**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 4-9-10, Interior(1) 4-9-10 to 13-0-0, Exterior(2) 13-0-0 to 17-9-10, Interior(1) 17-9-10 to 26-0-0 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 100 lb uplift at joint(s) 1, 7.
- 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 J0420-1824	Truss C3-GE	Truss Type Common Girder	Qty 1	Ply 1	Parks Bldg. Sply. Melissa Miller Job Job Reference (optional)
-------------------	----------------	-----------------------------	----------	----------	--

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:38 2020 Page 1  
ID:nPggfJQ3MNfRRYWB8GJxzMZ9G-FO5Ot\_FTqN8hccpWBzkcL0BsA9QhFIW19VExohz\_6EN

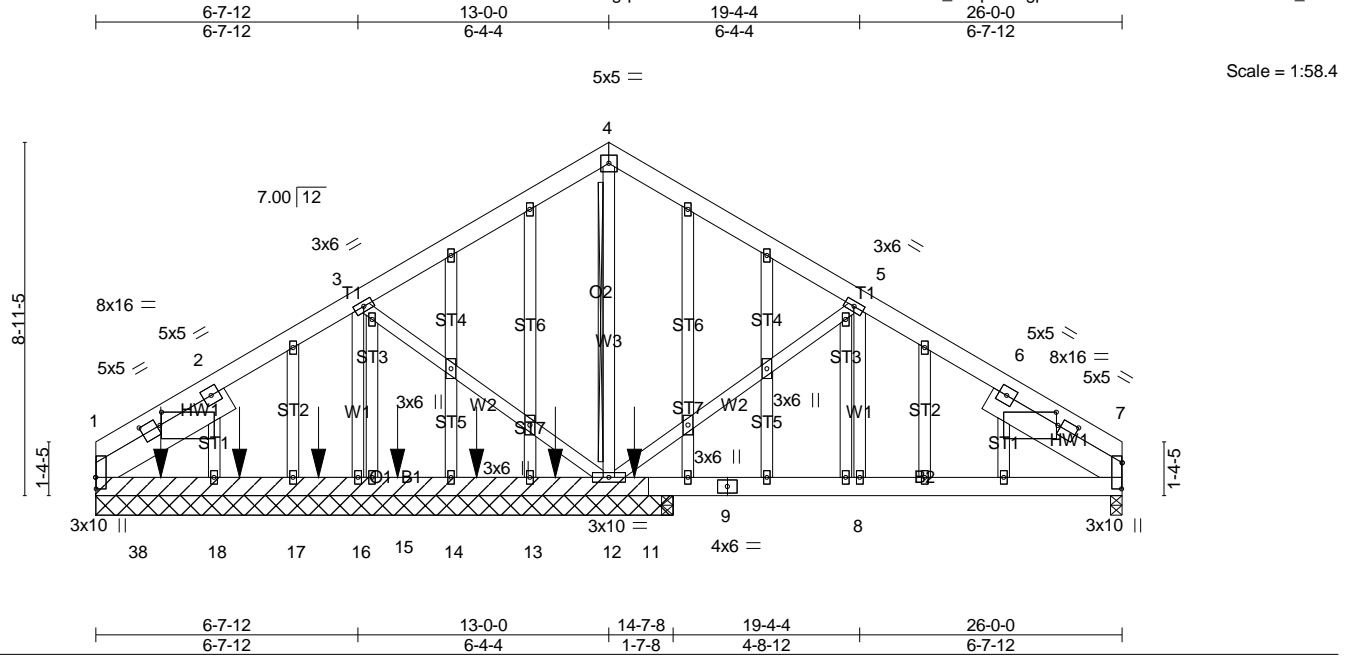


Plate Offsets (X,Y)-- [1:0-3-8,0-0-2], [1:1-6-15,0-6-5], [7:0-7-15,0-0-2], [7:1-4-11,0-2-8], [25:0-0-8,0-4-0], [37:0-0-8,0-4-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.19	Vert(LL) -0.01	7-8	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.14	Vert(CT) -0.03	7-8	>999	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.55	Horz(CT) 0.01	7	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.01	7-8	>999	240		
							Weight: 299 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  
LBR SCAB 1-11 2x6 SP No.1 one side  
SLIDER Left 2x8 SP No.1 -œ 3-11-6, Right 2x8 SP No.1 -œ 3-11-6

**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 T-Brace: 2x4 SP No.2 - 4-12  
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance.  
Brace must cover 90% of web length.

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

**REACTIONS.** All bearings 14-7-8 except (jt=length) 7=0-3-8, 10=0-3-8.  
(lb) - Max Horz 1=210(LC 4)  
Max Uplift All uplift 100 lb or less at joint(s) 7, 10 except 1=127(LC 9), 12=-254(LC 9), 16=-128(LC 8), 13=-137(LC 9), 14=-146(LC 5), 15=-126(LC 4), 17=-125(LC 6), 18=-245(LC 8)  
Max Grav All reactions 250 lb or less at joint(s) except 1=442(LC 1), 7=526(LC 1), 12=1111(LC 1), 16=356(LC 19), 13=467(LC 1), 14=465(LC 19), 15=377(LC 20), 17=349(LC 20), 18=730(LC 1), 10=256(LC 3)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-316/116, 5-6=-415/132, 6-7=-593/103  
BOT CHORD 1-38=-138/268, 38-39=-138/268, 18-39=-138/268, 18-40=-138/268, 17-40=-138/268, 17-41=-138/268, 16-41=-138/268, 15-16=-138/268, 15-42=-138/268, 14-42=-138/268, 14-43=-138/268, 13-43=-138/268, 13-44=-138/268, 12-44=-138/268, 12-45=-7/418, 11-45=-7/418, 10-11=-7/418, 9-10=-7/418, 8-9=-7/418, 7-8=-7/418  
WEBS 4-12=-299/0, 5-12=-525/162

**NOTES-**  
1) Attached 14-0-0 scab 1 to 11, back face(s) 2x6 SP No.1 with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c..  
2) Unbalanced roof live loads have been considered for this design.  
3) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60  
4) 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.  
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 10 except (jt=lb) 1=127, 12=254, 16=128, 13=137, 14=146, 15=126, 17=125, 18=245.

Continued on page 2

Job J0420-1824	Truss C3-GE	Truss Type Common Girder	Qty 1	Ply 1	Parks Bldg. Sply.\Melissa Miller Job Job Reference (optional)
-------------------	----------------	-----------------------------	----------	----------	--

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:38 2020 Page 2  
ID:nPgqfJQ3MNfRRYWB8GJxzMZ9G-FO5Ot\_FTqN8hcgpWBzkcL0BsA9QhFIWI9VExohz\_6EN

**NOTES-**

- 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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 421 lb down and 175 lb up at 1-7-12, 421 lb down and 175 lb up at 3-7-12, 421 lb down and 175 lb up at 5-7-12, 421 lb down and 175 lb up at 7-7-12, 421 lb down and 175 lb up at 9-7-12, and 421 lb down and 175 lb up at 11-7-12, and 421 lb down and 175 lb up at 13-7-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 12) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
- 13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

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

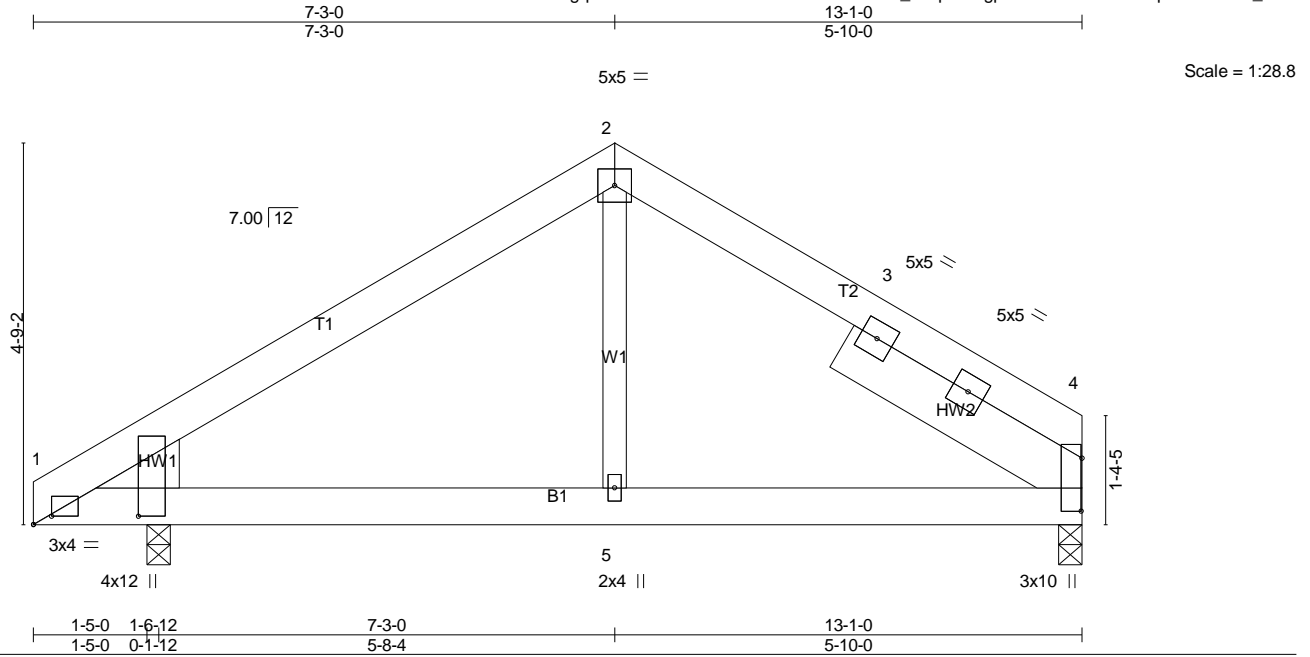
Concentrated Loads (lb)

Vert: 39=-421(F) 40=-421(F) 41=-421(F) 42=-421(F) 43=-421(F) 44=-421(F) 45=-421(F)

Job J0420-1824	Truss D1	Truss Type Common	Qty 3	Ply 1	Parks Bldg. Sply.\Melissa Miller Job Job Reference (optional)
-------------------	-------------	----------------------	----------	----------	--

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:38 2020 Page 1  
ID:nPggfJQ3MNfRRYWBDB8GJxzMZ9G-FO5Ot\_FTqN8hcgpWBzkcL0BsE9PNFp2I9VExohz\_6EN



Scale = 1:28.8

Plate Offsets (X,Y)-- [1:0-1-4,1-3-11], [1:0-2-11,0-1-4], [4:0-7-15,0-0-2]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.25	Vert(LL)	-0.02	1-5	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.22	Vert(CT)	-0.04	1-5	>999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.07	Horz(CT)	0.01	4	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL)	0.01	1-5	>999		
	Code IRC2015/TPI2014						Weight: 87 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x6 SP No.1  
 WEBS 2x4 SP No.2  
 WEDGE  
 Left: 2x8 SP No.1  
 SLIDER Right 2x8 SP No.1 -œ 3-5-12

**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.** (size) 4=0-3-8 (min. 0-1-8), 1=0-3-8 (min. 0-1-8)

Max Horz 1=-106(LC 8)  
 Max Uplift 4=-31(LC 13), 1=-39(LC 12)  
 Max Grav 4=518(LC 1), 1=518(LC 1)

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

TOP CHORD 1-6=-624/144, 6-7=-523/150, 2-7=-509/173, 2-8=-534/192, 3-8=-553/173, 3-9=-598/165,  
 4-9=-626/156  
 BOT CHORD 1-5=-31/444, 4-5=-31/444  
 WEBS 2-5=0/306

**NOTES-**

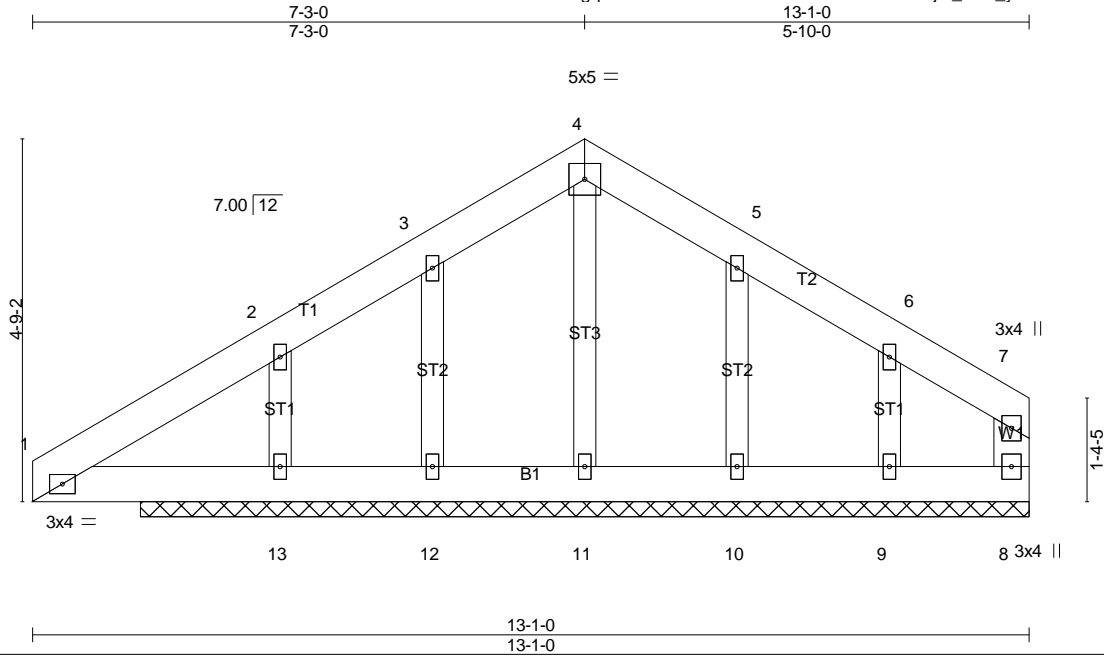
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-1-12 to 4-11-5, Interior(1) 4-11-5 to 7-3-0, Exterior(2) 7-3-0 to 12-0-10, Interior(1) 12-0-10 to 13-1-0 zone; cantilever left 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) 4, 1.
- 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 J0420-1824	Truss D1-GE	Truss Type Common Supported Gable	Qty 1	Ply 1	Parks Bldg. Sply. Melissa Miller Job Job Reference (optional)
-------------------	----------------	--------------------------------------	----------	----------	--

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:40 2020 Page 1  
ID:nPggqJQ3MNFRRYWBD8GJxzMZ9G-BnD9HfHjM\_OOr\_yuIOm4QRGEFy8ljjUbcpj1saz\_6EL



Scale = 1:30.3

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.09	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.06	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.07	Horz(CT)	-0.00	8	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S					Weight: 87 lb	FT = 20%
	Code IRC2015/TPI2014							

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

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

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

**REACTIONS.** All bearings 11-8-0.  
(lb) - Max Horz 13=129(LC 9)  
Max Uplift All uplift 100 lb or less at joint(s) 12, 10 except 8=148(LC 20), 13=127(LC 12), 9=137(LC 13)  
Max Grav All reactions 250 lb or less at joint(s) 8, 12, 10 except 11=304(LC 1), 13=363(LC 1), 9=302(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
WEBS 2-13=-264/169

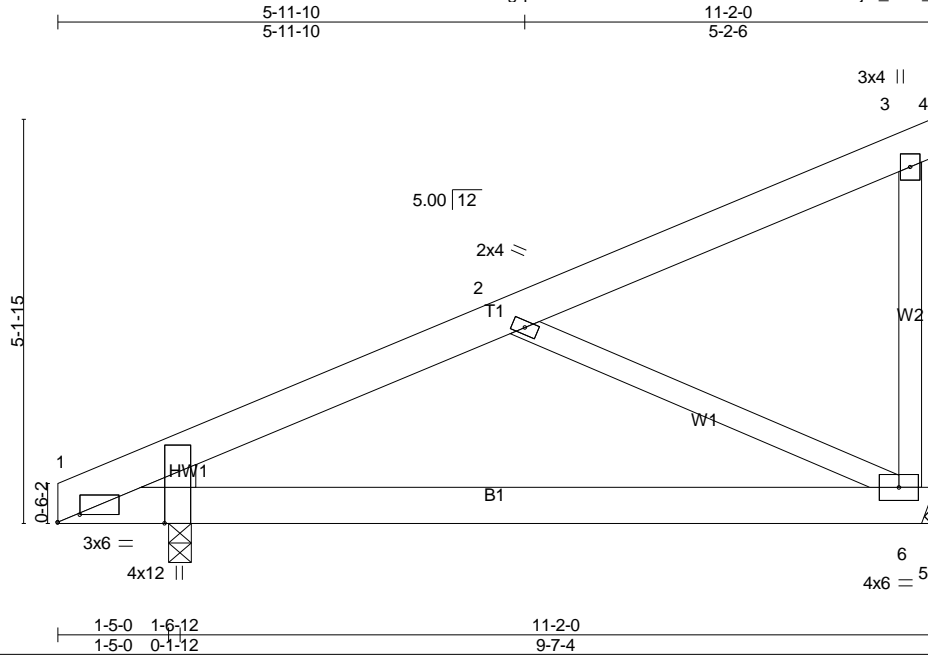
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-0-0 to 4-9-9, Exterior(2) 4-9-9 to 7-3-0, Corner(3) 7-3-0 to 12-0-10, Exterior(2) 12-0-10 to 12-10-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 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.
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 10 except (jt=lb) 8=148, 13=127, 9=137.
  - Non Standard bearing condition. Review required.
  - 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 J0420-1824	Truss E1	Truss Type Monopitch	Qty 7	Ply 1	Parks Bldg. Sply. Melissa Miller Job
-------------------	-------------	-------------------------	----------	----------	--------------------------------------

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:40 2020 Page 1  
ID:nPggqfJQ3MNfRRYWBd8GJxzMZ9G-BnD9HfHjM\_OOR\_yuIOm4QRG5Qy26jgWbcpj1saz\_6EL



Scale = 1:29.4

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.66	Vert(LL)	-0.12	1-6	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.39	Vert(CT)	-0.25	1-6	>520		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.26	Horz(CT)	0.00	6	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL)	0.28	1-6	>456	Weight: 70 lb	FT = 20%
	Code IRC2015/TPI2014							

**LUMBER-**  
TOP CHORD 2x6 SP No.1  
BOT CHORD 2x6 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, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 9-0-8 oc bracing.

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

**REACTIONS.** (size) 6=Mechanical, 1=0-3-8 (min. 0-1-8)  
Max Horz 1=158(LC 12)  
Max Uplift 6=-155(LC 9), 1=-105(LC 9)  
Max Grav 6=441(LC 1), 1=430(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-7=-546/265, 2-7=-440/285  
BOT CHORD 1-6=-429/470  
WEBS 2-6=-495/425

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-1-12 to 4-11-6, Interior(1) 4-11-6 to 11-2-0 zone; cantilever left exposed ; porch left and right 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) Refer to girder(s) for truss to truss connections.
  - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=155, 1=105.
  - 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

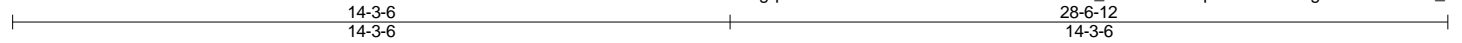




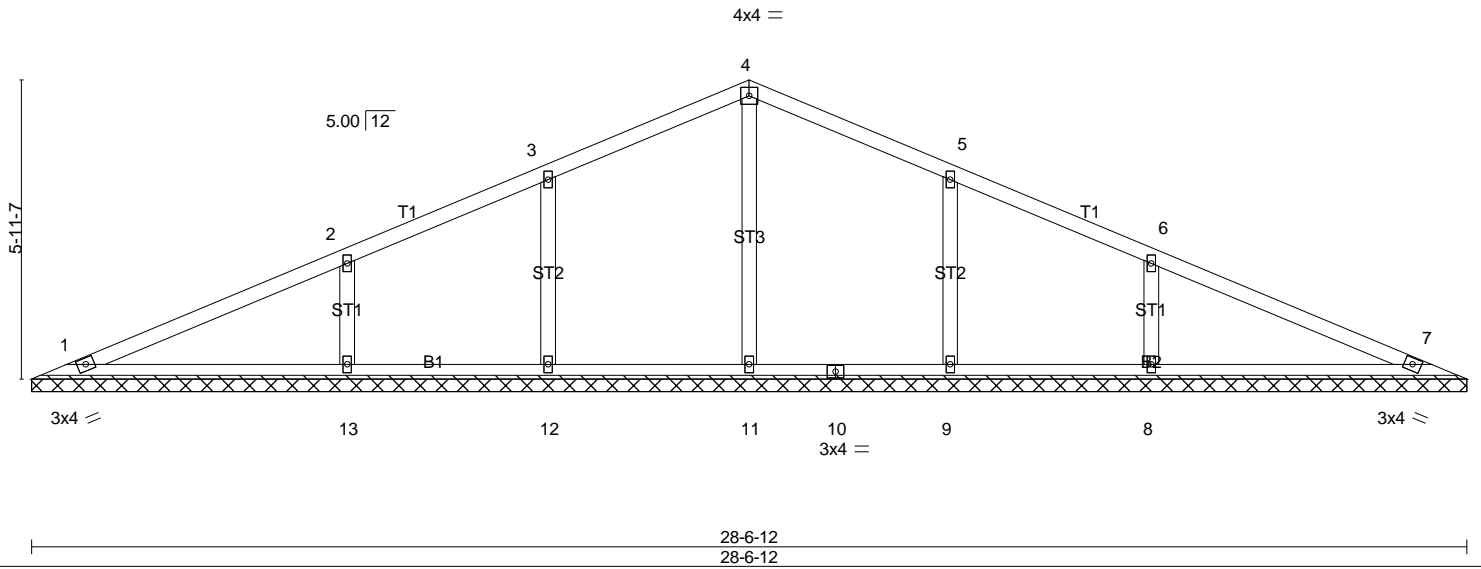
Job J0420-1824	Truss V1	Truss Type Valley	Qty 1	Ply 1	Parks Bldg. Sply.\Melissa Miller Job Job Reference (optional)
-------------------	-------------	----------------------	----------	----------	--

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:42 2020 Page 1  
ID:nPqgfJQ3MNfRRYWBDB8GJxzMZ9G-89LviLL\_ube64H6HQpoYWsLXlmngBdFu47C8xSz\_6EJ



Scale = 1:45.8



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.28	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.20	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.12	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 7 n/a n/a		
	Code IRC2015/TPI2014			Weight: 111 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 28-6-12.  
(lb) - Max Horz 1=70(LC 12)  
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 12, 13, 9, 8  
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=472(LC 2), 12=338(LC 25), 13=460(LC 1), 9=338(LC 26), 8=460(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
WEBS 2-13=-333/230, 6-8=-333/230

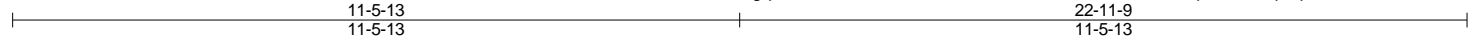
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-8-12 to 5-6-6, Interior(1) 5-6-6 to 14-3-6, Exterior(2) 14-3-6 to 19-1-0, Interior(1) 19-1-0 to 27-10-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 12, 13, 9, 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.

**LOAD CASE(S)** Standard

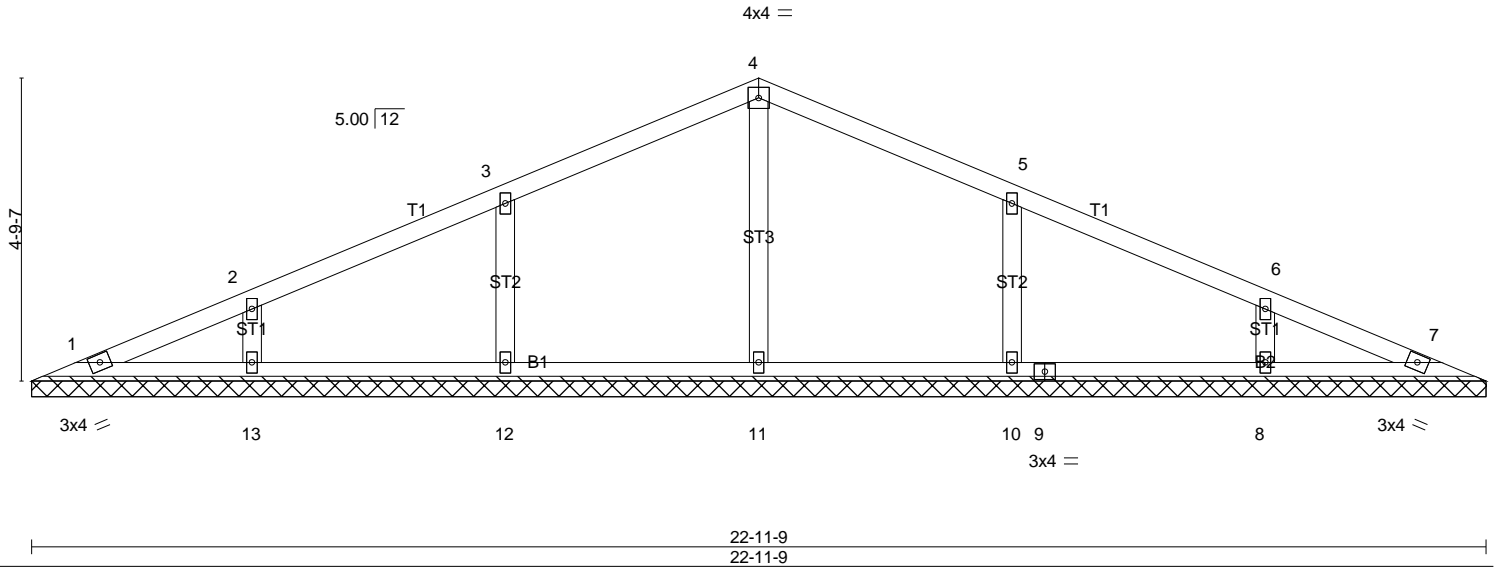
Job J0420-1824	Truss V2	Truss Type Valley	Qty 1	Ply 1	Parks Bldg. Sply.\Melissa Miller Job Job Reference (optional)
-------------------	-------------	----------------------	----------	----------	--

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:42 2020 Page 1  
ID:nPggqfJQ3MNfRRYWBd8GJzZMZ9G-89LviLl\_ube64H6HQpoYWsLZpmpSBd0u47C8xSz\_6EJ



Scale = 1:36.4



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.15	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.08	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.07	Horz(CT)	0.00	7	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S					Weight: 85 lb	FT = 20%
	Code IRC2015/TPI2014							

**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 22-11-9.  
(lb) - Max Horz 1=56(LC 12)  
Max Uplift All uplift 100 lb or less at joint(s) 1, 12, 13, 10, 8  
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=279(LC 1), 12=346(LC 23), 13=295(LC 1), 10=346(LC 24), 8=295(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
WEBS 3-12=-265/200, 5-10=-265/200

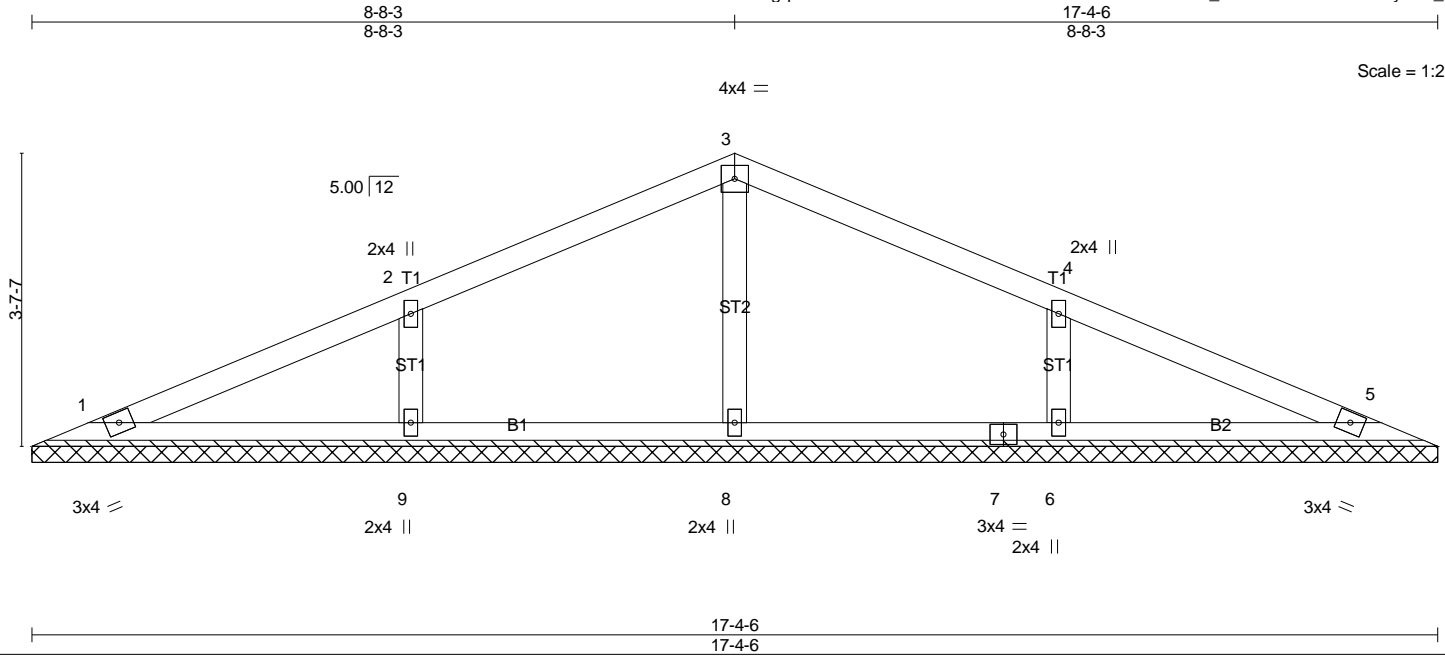
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-8-12 to 5-6-6, Interior(1) 5-6-6 to 11-5-13, Exterior(2) 11-5-13 to 16-3-6, Interior(1) 16-3-6 to 22-2-13 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 12, 13, 10, 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.

**LOAD CASE(S)** Standard

Job J0420-1824	Truss V3	Truss Type Valley	Qty 1	Ply 1	Parks Bldg. Sply.\Melissa Miller Job Job Reference (optional)
-------------------	-------------	----------------------	----------	----------	--

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:43 2020 Page 1  
ID:nPqgfJQ3MNFRRYWBDB8GJxzMZ9G-cMvHwhJcfmziRhT\_XJn24ukFA9Sw5k1JnyT vz\_6EI



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.17	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.10	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.04	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S					Weight: 60 lb	FT = 20%
	Code IRC2015/TPI2014							

**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 17-4-6.  
(lb) - Max Horz 1=41(LC 12)  
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 9, 6  
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=264(LC 1), 9=380(LC 23), 6=380(LC 24)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
WEBS 2-9=-283/207, 4-6=-283/207

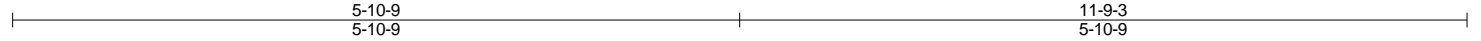
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-8-12 to 5-6-6, Interior(1) 5-6-6 to 8-8-3, Exterior(2) 8-8-3 to 13-5-13, Interior(1) 13-5-13 to 16-7-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Gable requires continuous bottom chord bearing.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 9, 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

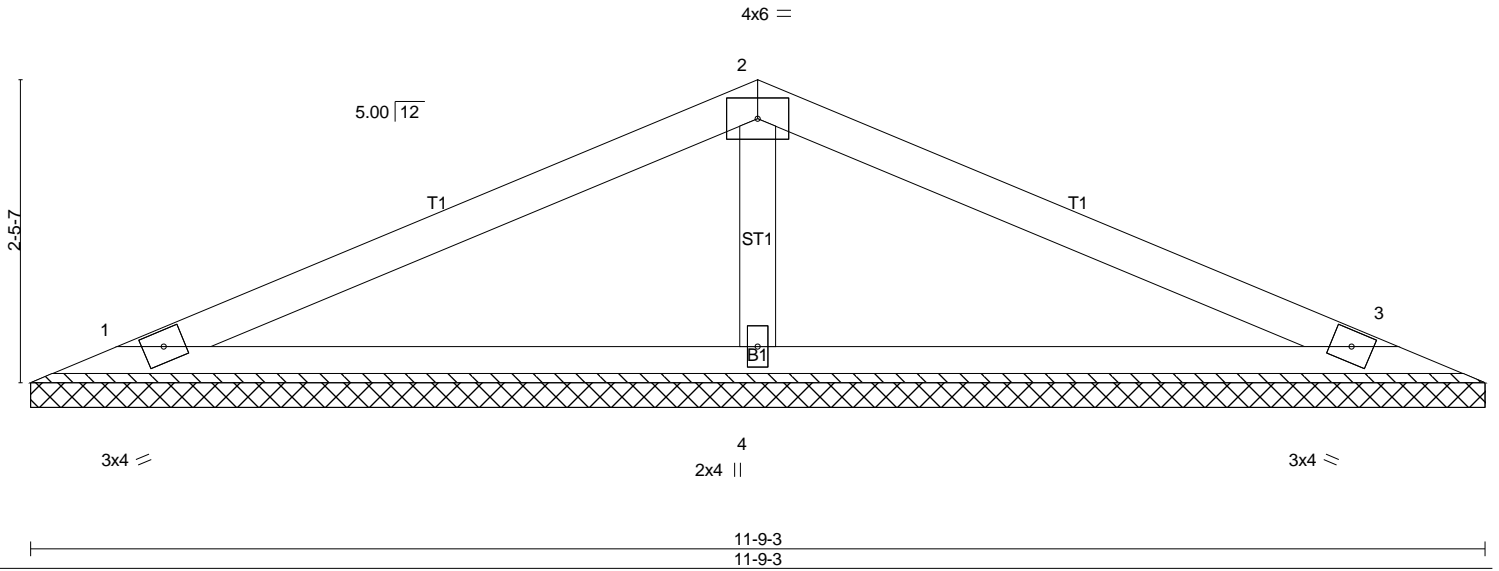
Job J0420-1824	Truss V4	Truss Type Valley	Qty 1	Ply 1	Parks Bldg. Sply.\Melissa Miller Job Job Reference (optional)
-------------------	-------------	----------------------	----------	----------	--

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:44 2020 Page 1  
ID:nPgqfJQ3MNfFRYWB8GJxzMZ9G-4YTf71KEQDuqKbGgXEq0bHQtkASBFyzAXRHf?Lz\_6EH



Scale = 1:18.6



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.28	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.19	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.04	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S					Weight: 37 lb	FT = 20%
	Code IRC2015/TPI2014							

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

**BRACING-**  
 TOP CHORD  
 BOT CHORD

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

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

**REACTIONS.** (size) 1=11-9-3 (min. 0-1-8), 3=11-9-3 (min. 0-1-8), 4=11-9-3 (min. 0-1-8)  
 Max Horz 1=-27(LC 13)  
 Max Uplift 1=-28(LC 12), 3=-32(LC 13), 4=-9(LC 12)  
 Max Grav 1=186(LC 23), 3=186(LC 24), 4=461(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 WEBS 2-4=-310/218

**NOTES-**

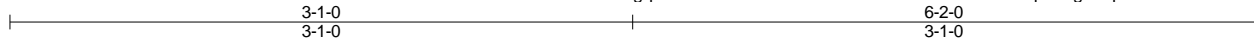
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-8-12 to 5-6-6, Interior(1) 5-6-6 to 5-10-9, Exterior(2) 5-10-9 to 10-8-3, Interior(1) 10-8-3 to 11-0-7 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, 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

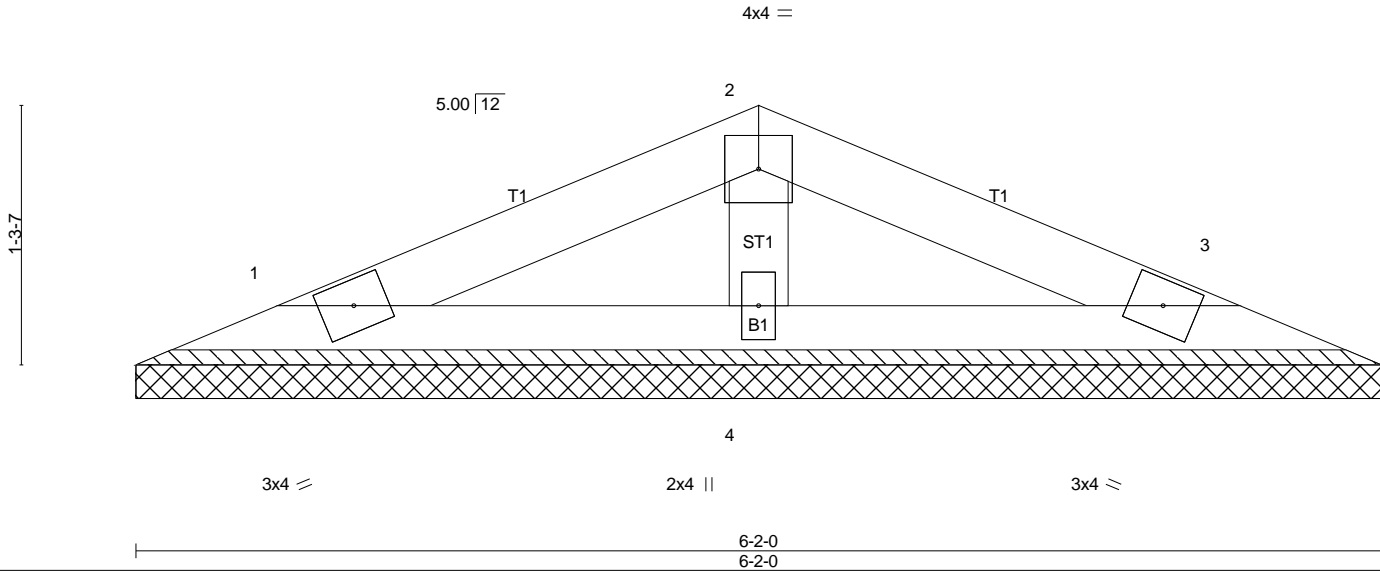
Job J0420-1824	Truss V5	Truss Type Valley	Qty 1	Ply 1	Parks Bldg. Sply. Melissa Miller Job Job Reference (optional)
-------------------	-------------	----------------------	----------	----------	--

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:44 2020 Page 1  
ID:nPgqfJQ3MNfRRYWB8GJxzMZ9G-4YTf71KEQDuqKbGgXEQObHQwaaVZfYIAXRhF?Lz\_6EH



Scale = 1:11.4



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.07	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.04	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.02	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P					Weight: 18 lb	FT = 20%
	Code IRC2015/TPI2014							

**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.** (size) 1=6-2-0 (min. 0-1-8), 3=6-2-0 (min. 0-1-8), 4=6-2-0 (min. 0-1-8)  
Max Horz 1=12(LC 16)  
Max Uplift 1=-16(LC 12), 3=-18(LC 13)  
Max Grav 1=93(LC 1), 3=93(LC 1), 4=190(LC 1)

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

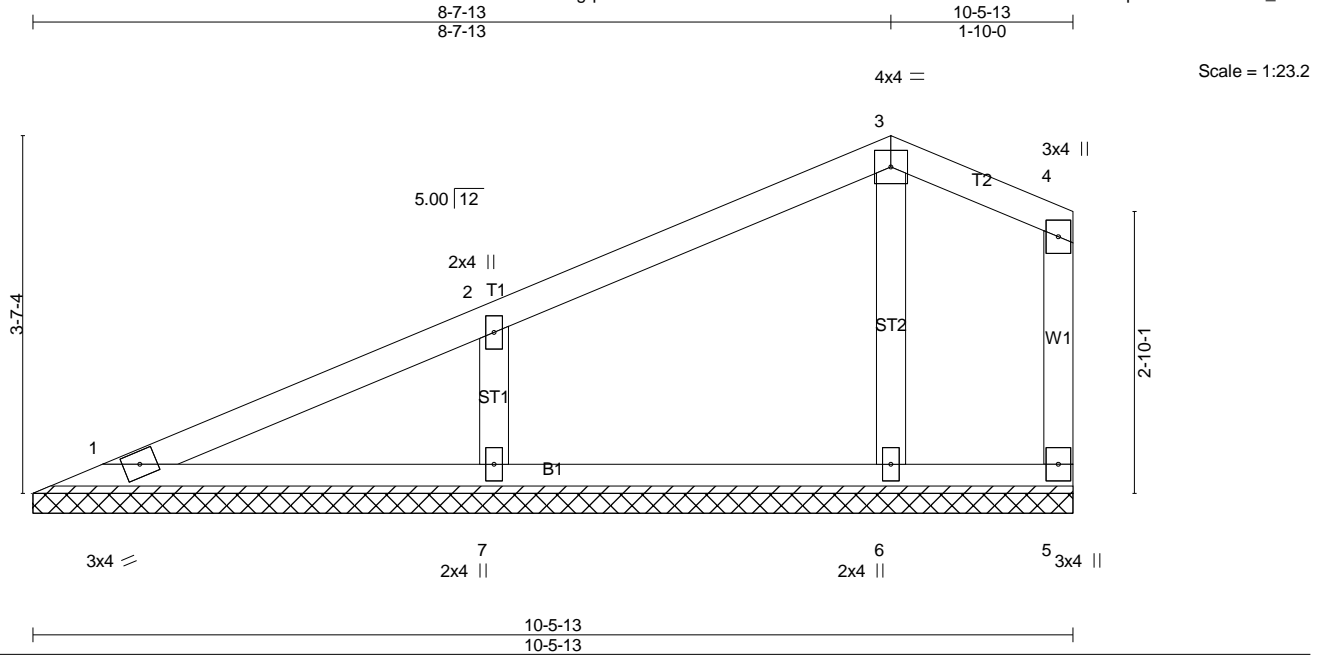
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; 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 J0420-1824	Truss V6	Truss Type Valley	Qty 1	Ply 1	Parks Bldg. Sply.\Melissa Miller Job Job Reference (optional)
-------------------	-------------	----------------------	----------	----------	--

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:45 2020 Page 1  
ID:nPqfJQ3MNFRRYWB8GJxzMZ9G-Yk02LNLsBW0hXrs5xMF7Vz4mzquO?CKm5RoXnz\_6EG



Scale = 1:23.2

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.10	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S						Weight: 42 lb	FT = 20%
	Code IRC2015/TP12014								

**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 6-0-0 oc bracing.

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

**REACTIONS.** All bearings 10-5-13.  
(lb) - Max Horz 1=97(LC 12)  
Max Uplift All uplift 100 lb or less at joint(s) 5, 6, 7  
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 6 except 7=379(LC 23)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
WEBS 2-7=-281/242

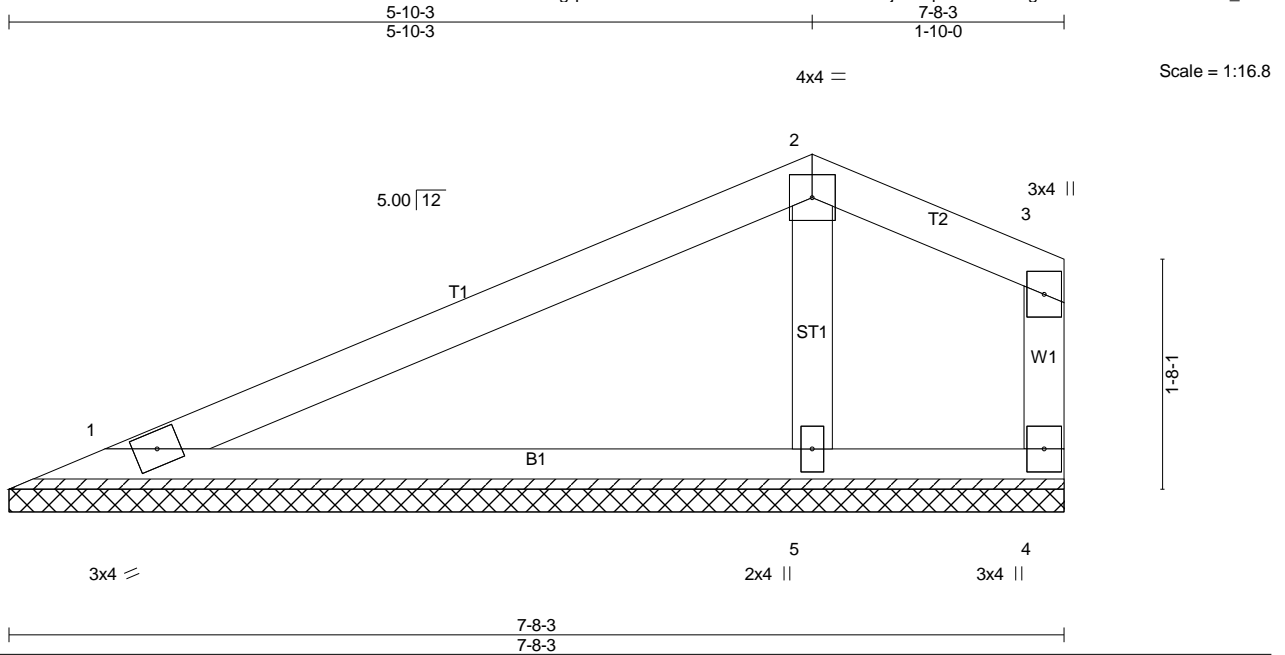
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-8-12 to 5-6-6, Interior(1) 5-6-6 to 8-7-13, Exterior(2) 8-7-13 to 10-4-1 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Gable requires continuous bottom chord bearing.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 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 J0420-1824	Truss V7	Truss Type Valley	Qty 1	Ply 1	Parks Bldg. Sply. Melissa Miller Job Job Reference (optional)
-------------------	-------------	----------------------	----------	----------	--

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:46 2020 Page 1  
ID:nPggfJQ3MNfRRYWB8GJxzMZ9G-0xaQYjLUxq9YzvQ2ftUgiWCFN9A7SaT?IAM4Ez\_6EF



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.38	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.16	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.03	Horz(CT)	0.00	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-P					Weight: 27 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.** (size) 1=7-8-3 (min. 0-1-8), 4=7-8-3 (min. 0-1-8), 5=7-8-3 (min. 0-1-8)  
Max Horz 1=57(LC 12)  
Max Uplift 1=22(LC 12), 4=31(LC 13), 5=5(LC 12)  
Max Grav 1=195(LC 1), 4=37(LC 1), 5=313(LC 1)

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

**NOTES-**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-8-12 to 5-6-6, Interior(1) 5-6-6 to 5-10-3, Exterior(2) 5-10-3 to 7-6-7 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 4, 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

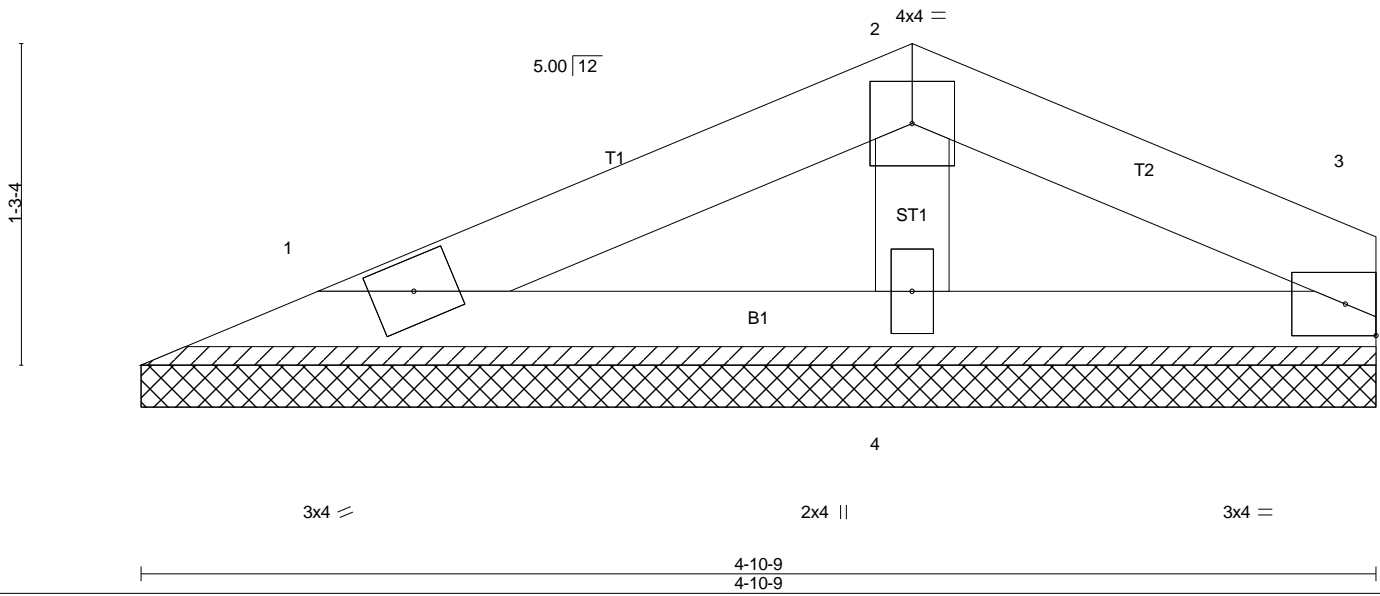
Job J0420-1824	Truss V8	Truss Type Valley	Qty 1	Ply 1	Parks Bldg. Sply.\Melissa Miller Job Job Reference (optional)
-------------------	-------------	----------------------	----------	----------	--

Comtech, Inc., Fayetteville, NC 28309, Bob Lewis

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Wed Jul 8 14:56:46 2020 Page 1  
ID:nPggfJQ3MNffRRYWBD8GJxzMZ9G-0xaQYjLUxq9YzvQ2ftUgiWG6NB87SpT?IAM4Ez\_6EF



Scale = 1:9.1



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.07	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.03	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.02	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P					Weight: 15 lb	FT = 20%
	Code IRC2015/TPI2014							

**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 4-10-9 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.** (size) 1=4-10-9 (min. 0-1-8), 3=4-10-9 (min. 0-1-8), 4=4-10-9 (min. 0-1-8)  
Max Horz 1=12(LC 12)  
Max Uplift 1=-16(LC 12), 3=-17(LC 13)  
Max Grav 1=93(LC 1), 3=74(LC 1), 4=166(LC 1)

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

**NOTES-**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=18ft; 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
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- 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