



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

09/10/2021




RESIDENCE OF
**STAND SURE
 HOMES**

Project

MADDEN
 HOME DESIGN

8375 Rushing Road
 Dentham Springs, Louisiana
 70726
 Phone: (225) 791-2912

A B D[®]

Project No.: The Black Creek
 DATE: MAY 17, 2021
 DRAWN BY: Steven Madden
 DESIGNED BY: Steven Madden

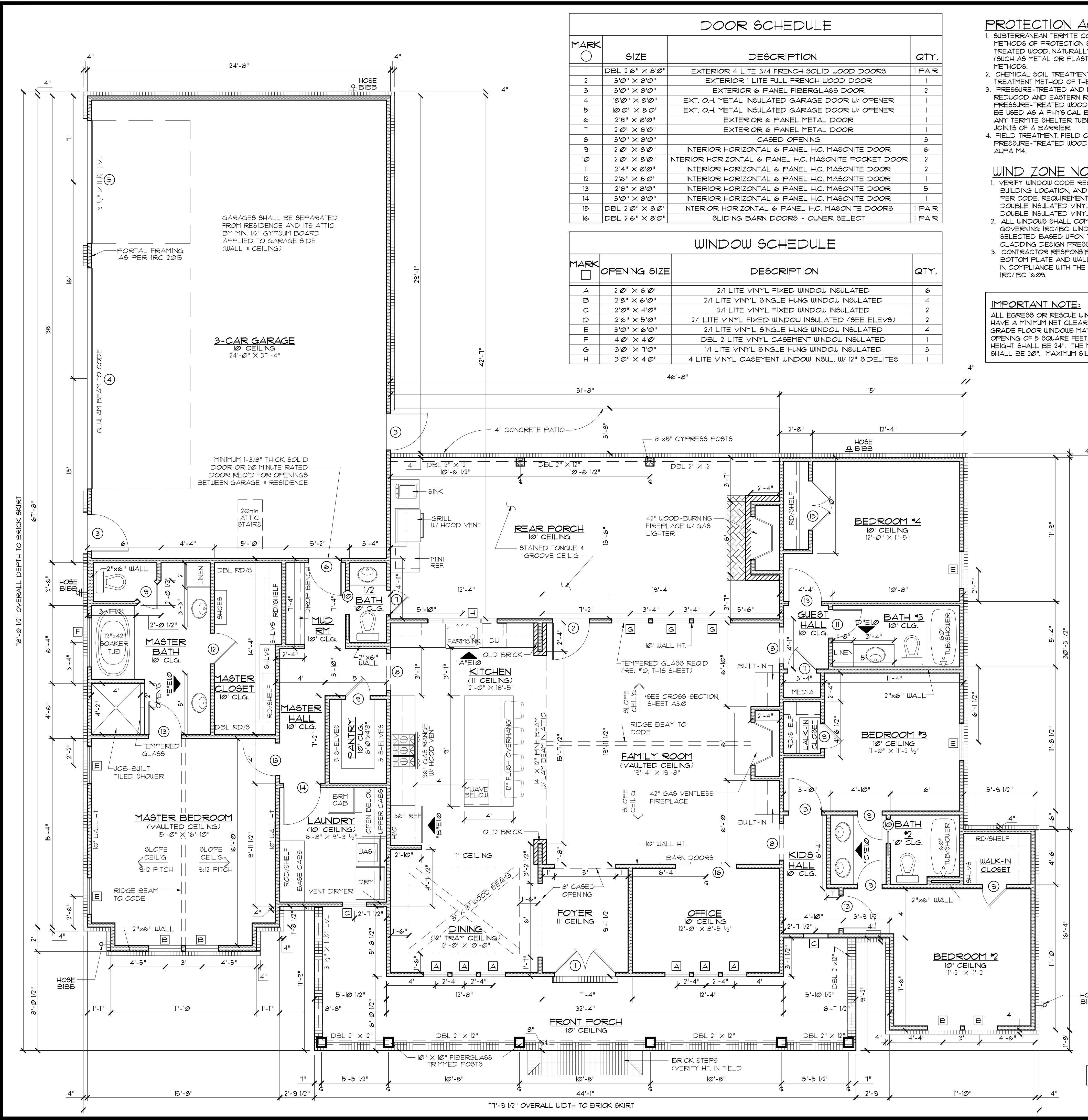
COPYRIGHT NOTE: ©
 These Plans Are Subject To
 Federal Copyright Laws And
 Are To Be Used For The Lot
 Number And Subdivision
 Indicated In This Title Block
 Only. Use On Any Other Site Is
 Prohibited.

© COPYRIGHT 2021

Sheet Title
**COVER
 SHEET**

- Sheet:
- Preliminary Dwg.
 - Bidding Doc.
 - Construction Doc.

MADDEN HOME DESIGN, LLC NOT BEING
 AN ARCHITECTURAL OR ENGINEERING FIRM
 AS SUCH, SHALL NOT BE HELD RESPONSIBLE FOR
 ANY DESIGN OR CONSTRUCTION DEFICIENCIES,
 OR ANY OTHER DEFECTS, IN ANY PROJECT,
 EVERY EFFORT HAS BEEN MADE TO
 INSURE ALL DIMENSIONS ARE CORRECT
 AND ENVIRONMENTAL REGULATIONS HAVE
 BEEN MET. IF AN ERROR OR OMISSION
 DOES OCCUR, IT IS THE SOLE
 RESPONSIBILITY OF THE CONTRACTOR
 AND/OR THE CLIENT AT HIS/HER OWN EXPENSE
 AND THE DESIGNER HAS NO LIABILITY OF THE
 DRAFTING SERVICE. CONTRACTOR IS RESPONSIBLE FOR
 VERIFICATION OF DIMENSIONS IN THE FIELD
 AND SHALL BUILD HOME IN ACCORDANCE WITH
 THE INTERNATIONAL RESIDENTIAL CODE 2015.



DOOR SCHEDULE

MARK	SIZE	DESCRIPTION	QTY.
1	DBL 2'6" X 8'0"	EXTERIOR 4 LITE 3/4 FRENCH SOLID WOOD DOORS	1 PAIR
2	3'0" X 8'0"	EXTERIOR 1 LITE FULL FRENCH WOOD DOOR	1
3	3'0" X 8'0"	EXTERIOR 6 PANEL FIBERGLASS DOOR	2
4	10'0" X 8'0"	EXT. O.H. METAL INSULATED GARAGE DOOR W/ OPENER	1
5	10'0" X 8'0"	EXT. O.H. METAL INSULATED GARAGE DOOR W/ OPENER	1
6	2'8" X 8'0"	EXTERIOR 6 PANEL METAL DOOR	1
7	2'0" X 8'0"	EXTERIOR 6 PANEL METAL DOOR	1
8	3'0" X 8'0"	CASED OPENING	3
9	2'0" X 8'0"	INTERIOR HORIZONTAL 6 PANEL H.C. MASONITE DOOR	6
10	2'0" X 8'0"	INTERIOR HORIZONTAL 6 PANEL H.C. MASONITE DOOR	2
11	2'4" X 8'0"	INTERIOR HORIZONTAL 6 PANEL H.C. MASONITE DOOR	2
12	2'6" X 8'0"	INTERIOR HORIZONTAL 6 PANEL H.C. MASONITE DOOR	1
13	2'8" X 8'0"	INTERIOR HORIZONTAL 6 PANEL H.C. MASONITE DOOR	5
14	3'0" X 8'0"	INTERIOR HORIZONTAL 6 PANEL H.C. MASONITE DOOR	1
15	DBL 2'6" X 8'0"	INTERIOR HORIZONTAL 6 PANEL H.C. MASONITE DOORS	1 PAIR
16	DBL 2'6" X 8'0"	SLIDING BARN DOORS - OWNER SELECT	1 PAIR

WINDOW SCHEDULE

MARK	OPENING SIZE	DESCRIPTION	QTY.
A	2'0" X 6'0"	2/1 LITE VINYL FIXED WINDOW INSULATED	6
B	2'8" X 6'0"	2/1 LITE VINYL SINGLE HUNG WINDOW INSULATED	4
C	2'0" X 4'0"	2/1 LITE VINYL FIXED WINDOW INSULATED	2
D	2'6" X 5'0"	2/1 LITE VINYL FIXED WINDOW INSULATED (SEE ELEV'S)	2
E	3'0" X 6'0"	2/1 LITE VINYL SINGLE HUNG WINDOW INSULATED	4
F	4'0" X 4'0"	DBL 2 LITE VINYL CASEMENT WINDOW INSULATED	1
G	3'0" X 1'0"	1/1 LITE VINYL SINGLE HUNG WINDOW INSULATED	3
H	3'0" X 4'0"	4 LITE VINYL CASEMENT WINDOW INSUL. W/ 12" SIDELITES	1

PROTECTION AGAINST TERMITES:

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

WIND ZONE NOTES

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

IMPORTANT NOTE:

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

GENERAL NOTES:

- ALL KITCHEN AND UTILITY COUNTERTOPS ARE SHOWN AS 2'-0" WIDE UNLESS STATED OTHERWISE.
- ALL BATHROOM LAVATORY COUNTERTOPS SHOWN AS 1'-10" WIDE.
- ALL EXTERIOR OVERALL DIMENSIONS ARE FROM EDGE OF FOUNDATION.
- ALL INTERIOR DIMENSIONS ARE FROM STUD FACE TO STUD FACE.
- ALL INTERIOR WALL THICKNESS SHOWN AS 4" UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE COMMENCING WORK.
- BRICK VENEER WALL TIES (MAX 24" O.C. EACH WAY).
- PURCHASER OF THIS PLAN ASSUMES LIABILITY FOR ANY MODIFICATIONS MADE TO THE LAYOUT OF THIS PLAN.
- ALL WOOD FRAMING SHALL BE NO. 2 GRADE - SOUTHERN PINE LUMBER. ALL CEILING JOISTS SPANS ARE BASED ON TABLE R302.3.1 (2) OF THE IRC. 2018 AND ARE DESIGNED FOR ATTICS WITH LIMITED STORAGE. (REFER TO FOUNDATION SHEET FOR SPANS)
- RE: SEC. 3008 GLAZING IN HAZARDOUS LOCATIONS 4 TEMPERED GLASS FOR WINDOWS THAT ARE WITHIN 24" OF THE DOOR IN THE CLOSED POSITION, PROVIDING THE WINDOW IS LESS THAN 60" ABOVE THE FLOOR. (R308 IRC. 2015)
- MASONRY VENEER SHALL BE ANCHORED TO THE SUPPORTING WALL WITH CORROSION-RESISTANT METAL TIES SPACED NOT MORE THAN 24" ON CENTER HORIZONTALLY AND VERTICALLY AND SHALL SUPPORT NOT MORE THAN 261 SQ. FEET OF WALL PER SECTION R103.1.4.1
- VENT HOOD IN KITCHEN MUST VENT TO THE OUTSIDE. MICROWAVE HOODS MUST VENT TO THE OUTSIDE WHERE APPLICABLE.
- DRYER VENT MUST HAVE MAX LENGTH 25'
- ATTIC SPACES MUST PROVIDE 1 SQ. FT. VENTILATION PER 150 SQ. FT. OF AREA UNLESS CONDITIONED SPACE. (ATTIC R302.6)

HEADER SPANS FOR LOAD BEARING WALLS:

- SINGLE STORY:**
- 2 FLY 2X6" 4'-2" MAX
 - 2 FLY 2X8" 5'-4" MAX
 - 2 FLY 2X10" 7'-6" MAX
- 2 STORY:**
- 2 FLY 2X6" 3X7" MAX
 - 2 FLY 2X8" 4X6" MAX
 - 2 FLY 2X10" 6X2" MAX
- 2 FLY 2X6 HEADERS FOR ALL NON-LOAD BEARING WALLS
- OSB BETWEEN ALL HEADER FLIES
- NO BOXED HEADERS

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

NOTE:

ROOF OVERHANG ON NEW CONSTRUCTION TYPICAL 12" FROM FACE OF STUD UNLESS OTHERWISE NOTED.

GENERAL CONTRACTOR TO PROVIDE ADEQUATE ROOF VENTILATION BUILDING SYSTEMS PER IRC CODE (SECTION R302.6). SYSTEMS TO BE USED TO MEET ROOF VENTILATION REQUIREMENTS ARE AS FOLLOWS: CONTINUOUS RIDGE VENTS, POWER VENTS, BOX VENTS, AND GABLE/DORMER VENTS WHEN APPROVED BY OWNER.

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

GENERAL MATERIALS:

- EXTERIOR WALLS:
 - REINFORCED CEMENTITIOUS SIDING
 - "TYVEK" BUILDING WRAP
 - 1/2" OSB SHEATHING
 - R-13 BATT INSULATION
 - 2X4 STUDS @ 1'-4" O.C. (UNLESS NOTED)
 - 1/2" GYPSUM BOARD INTERIOR
- INTERIOR WALLS:
 - 2X4 STUDS @ 1'-4" O.C.
 - 1/2" GYPSUM BOARD ON BOTH SIDES
- CEILING:
 - 2X JOISTS @ 1'-4" O.C.
 - 1/2" GYPSUM BOARD
- ROOF SYSTEM:
 - R-38 INSULATION
 - 30 YEAR FIBERGLASS SHINGLES
 - 5/8" OSB OR CDX PLYWOOD
 - *BIFELT
 - 2X6 RAFTERS @ 2'0" O.C. (CONFIRM W/ LOCAL CODE)

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

CODE DISCLAIMER:

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

SQUARE FOOTAGE

MAIN LIVING	2400
FRONT PORCH	318
REAR PORCH	416
GARAGE	930
TOTAL SQ. FT.	4064

FLOOR PLAN

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

4" BRICK SKIRT AROUND ENTIRE HOUSE

CONTRACTOR TO LOCATE WATER HEATER 4 A/C UNITS ON SITE

MADDEN HOME DESIGN, LLC NOT BEING AN ARCHITECTURAL OR ENGINEERING FIRM. THESE PLANS ARE NOT TO BE USED FOR ANY OTHER PROJECT. EVERY EFFORT HAS BEEN MADE TO INSURE ALL DIMENSIONS ARE CORRECT AND ENVIRONMENTAL REGULATIONS HAVE BEEN MET. IF AN ERROR OR OMISSION DOES OCCUR IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE SUBS. AT THIS OWN EXPENSE. MADDEN HOME DESIGN, LLC HAS NO LIABILITY FOR ANY DAMAGE TO PROPERTY OR PERSONS. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF DIMENSIONS IN THE FIELD AND SHALL BUILD HOME IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2015.

RESIDENCE OF
STAND SURE HOMES

Project

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

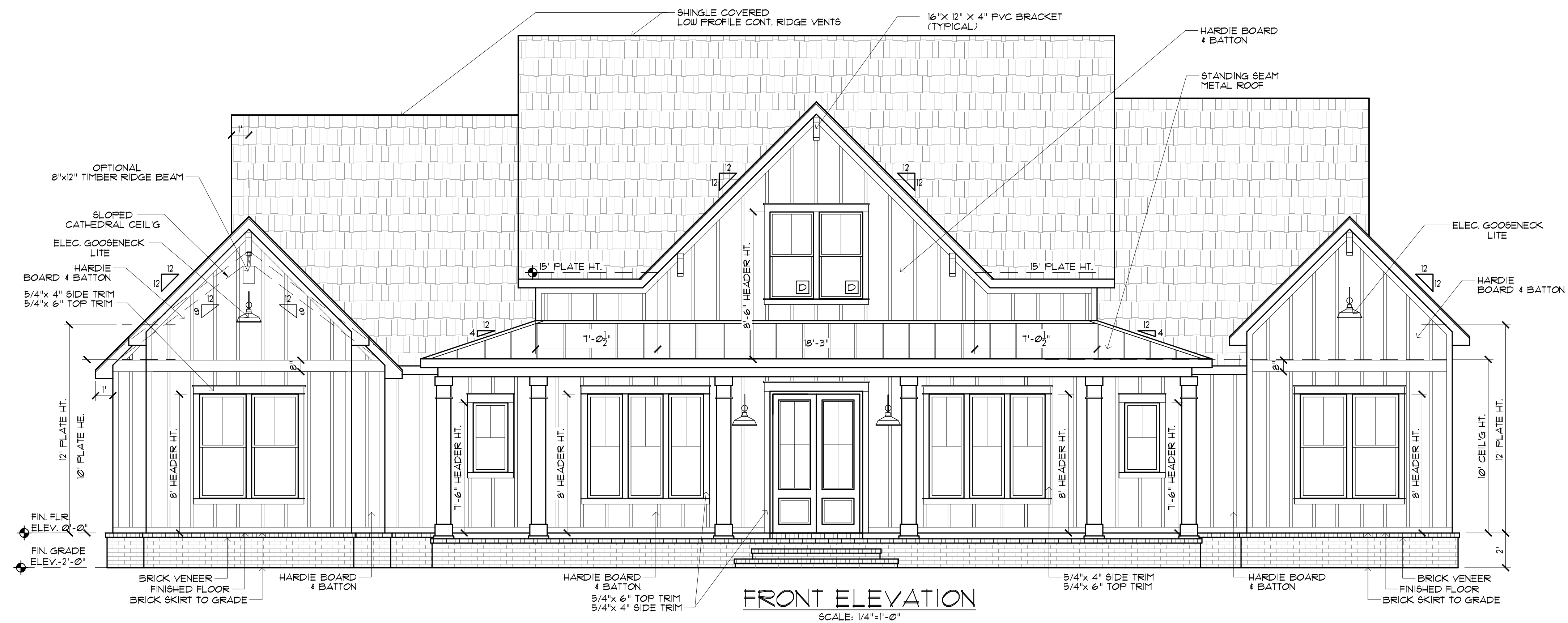
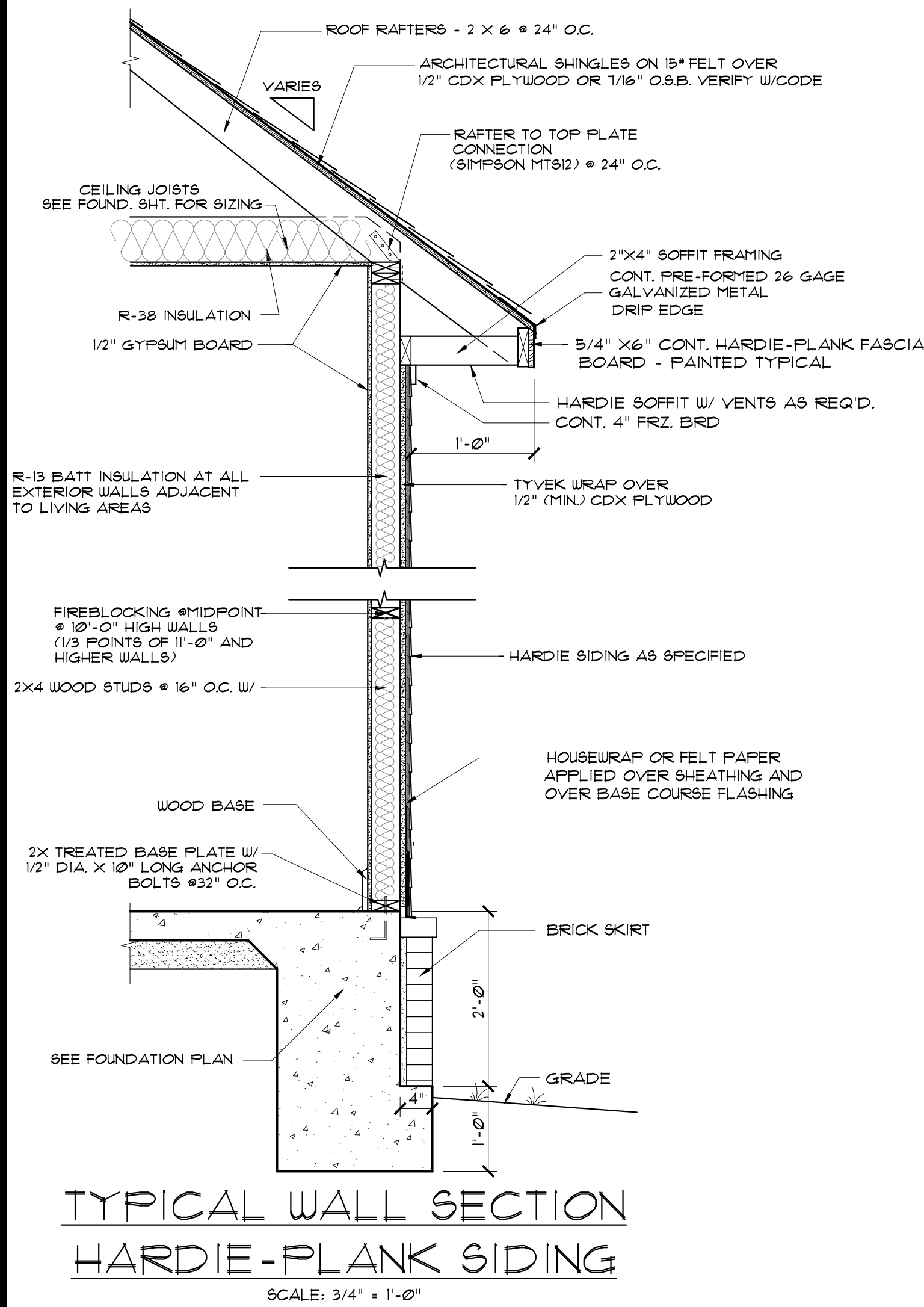
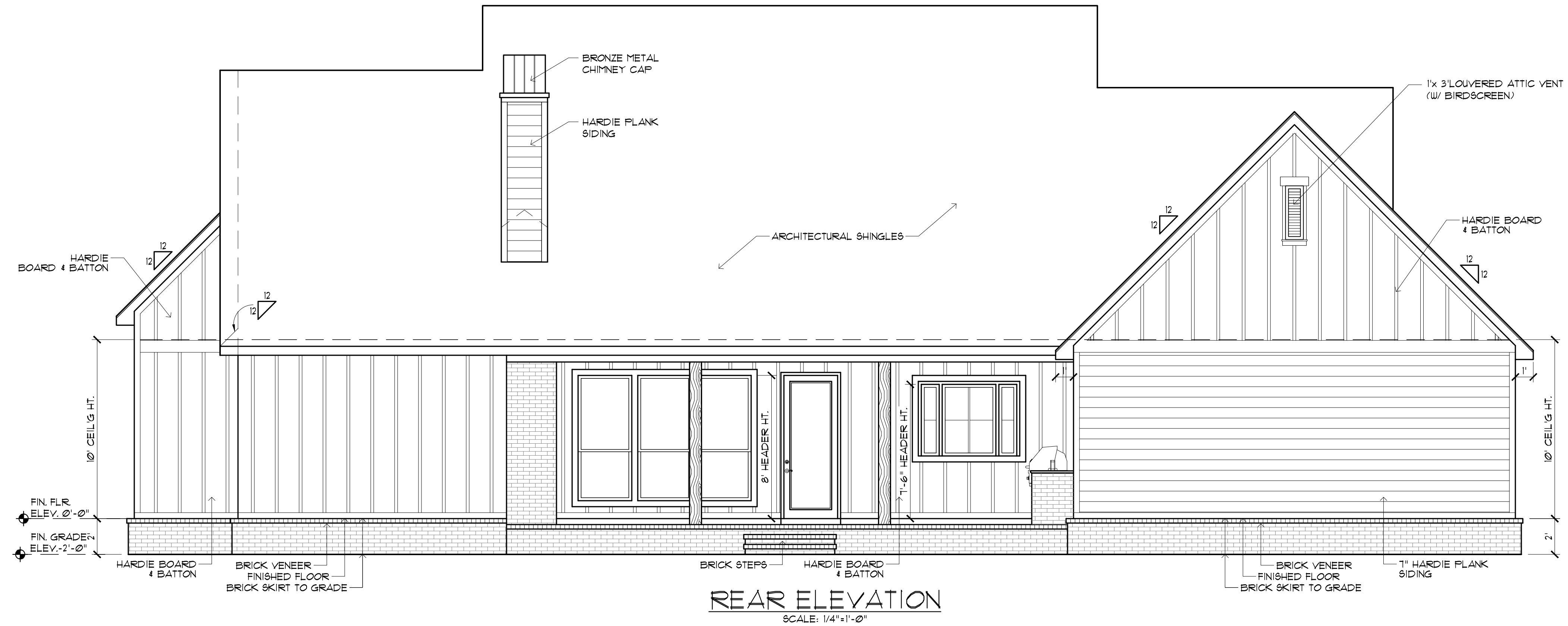
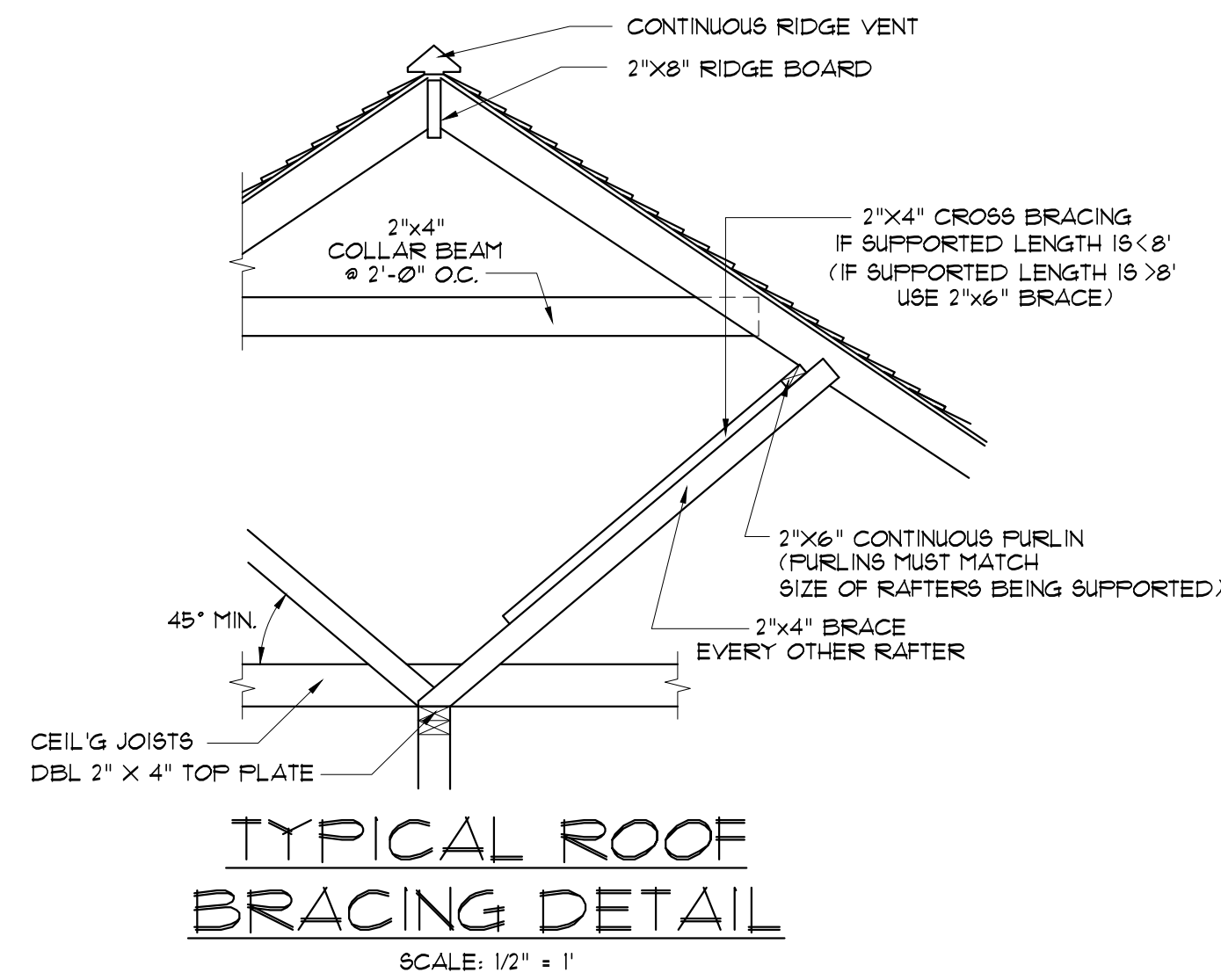
A B D

Project No.: The Black Creek
DATE: MAY 17, 2021
DRAWN BY: Steven Madden
DESIGNED BY: Steven Madden

COPYRIGHT NOTE: © These Plans Are Subject To Federal Copyright Laws And Are To Be Used For The Lot Number And Subdivision Indicated In This Title Block Only. Use On Any Other Site Is Prohibited.

© COPYRIGHT 2021
Sheet Title

FLOOR PLAN
Sheet:
□ Preliminary Dwg.
□ Bidding Doc.
□ Construction Doc.
A1.0



MADDEN HOME DESIGN, LLC NOT BEING AN ARCHITECTURAL OR ENGINEERING FIRM OR A PROFESSIONAL DESIGNER OR ARCHITECT, EVERY EFFORT HAS BEEN MADE TO INSURE ALL DIMENSIONS ARE CORRECT AND ENVIRONMENTAL REGULATIONS HAVE BEEN MET. IF AN ERROR OR OMISSION RESPONSIBILITY OF THE CONTRACTOR AND NOT THE ARCHITECT'S OWN EXPENSE AND THE ARCHITECT SHALL BE RESPONSIBLE FOR CONTRACTOR'S RESPONSIBILITY FOR VERIFICATION OF DIMENSIONS IN THE FIELD AND SHALL BUILD HEREIN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2015.

RESIDENCE OF
STAND SURE HOMES

Project

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

A B D

Project No.: The Black Creek
DATE: MAY 17, 2021
DRAWN BY: Steven Madden
DESIGNED BY: Steven Madden

COPYRIGHT NOTE: © These Plans Are Subject To Federal Copyright Laws and Are To Be Used For The Lot Number And Subdivision Indicated In This Title Block Only. Use On Any Other Site Is Prohibited.

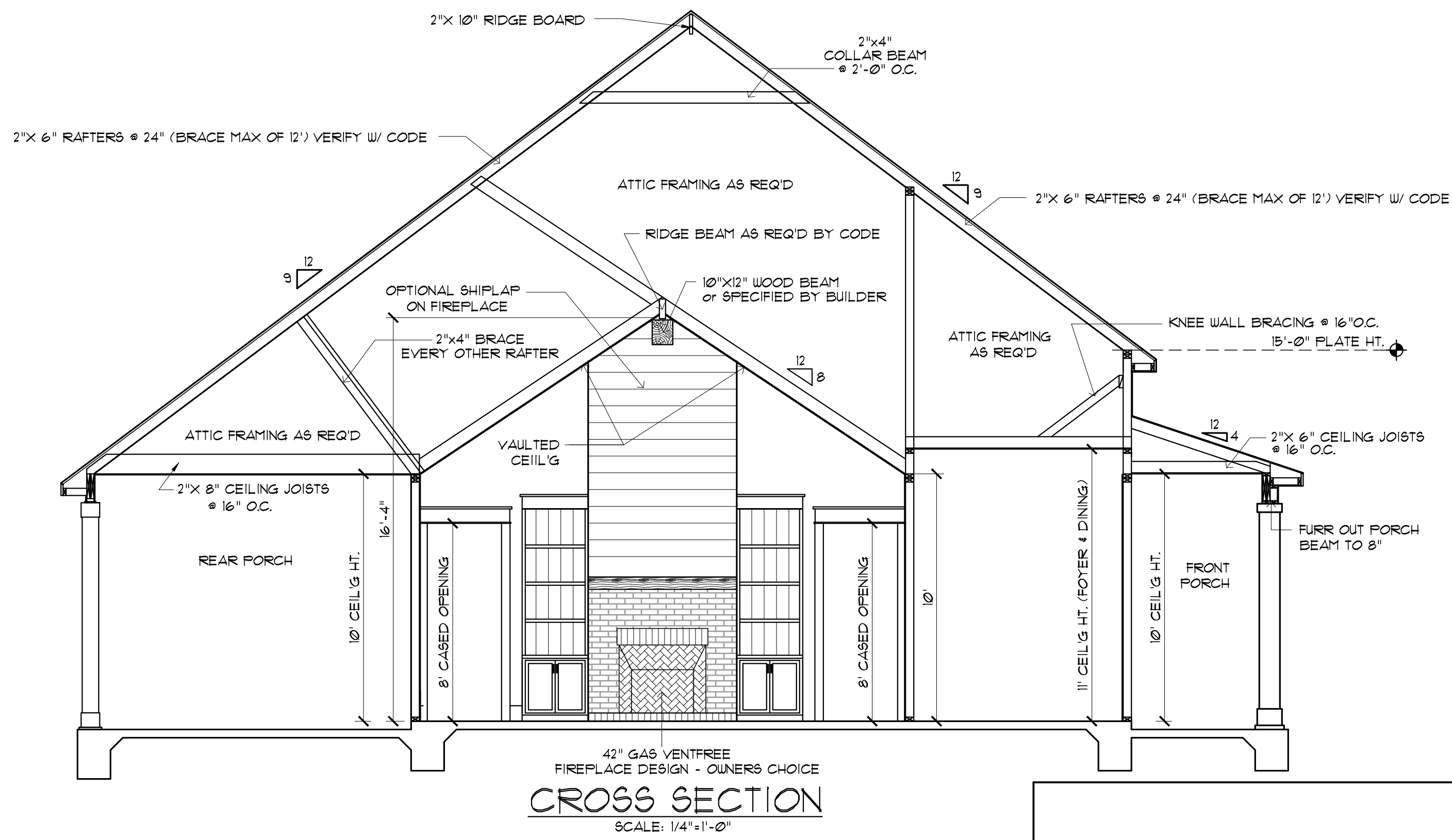
© COPYRIGHT 2021

Sheet Title

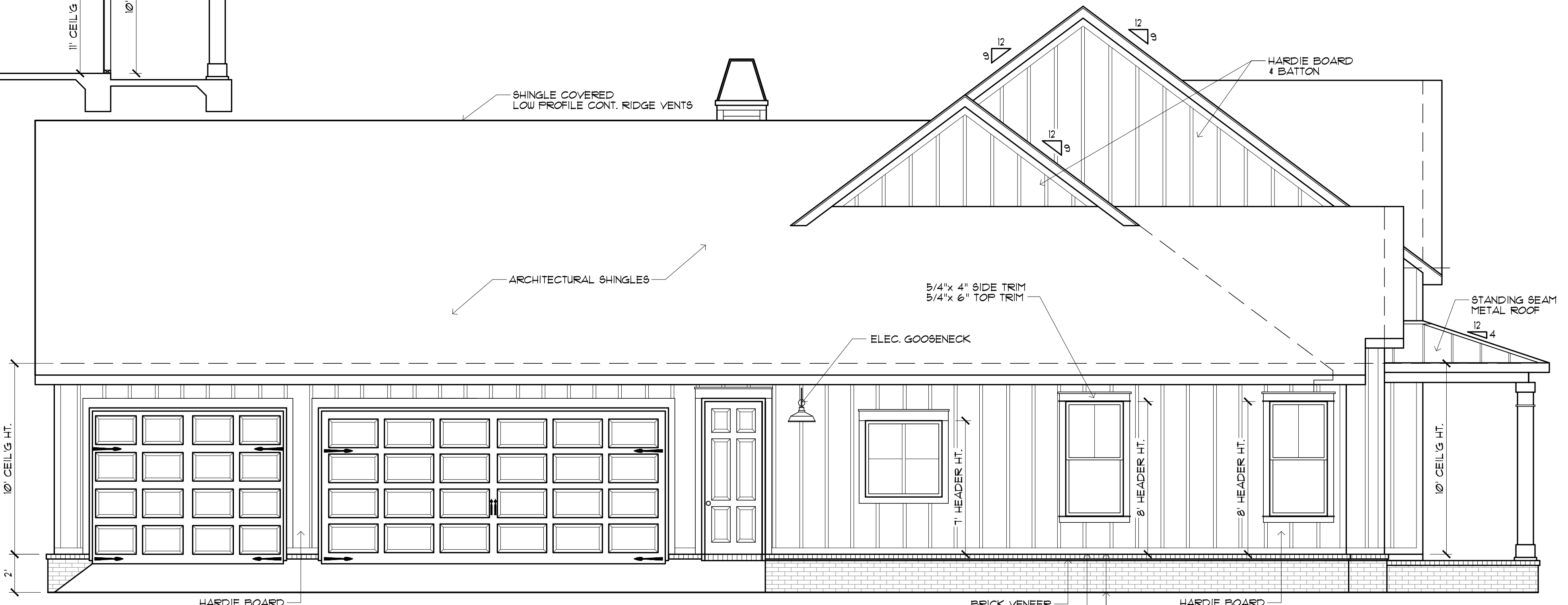
FRONT & REAR ELEVATIONS

Sheet:
Preliminary Dwg.
Bidding Doc.
Construction Doc.

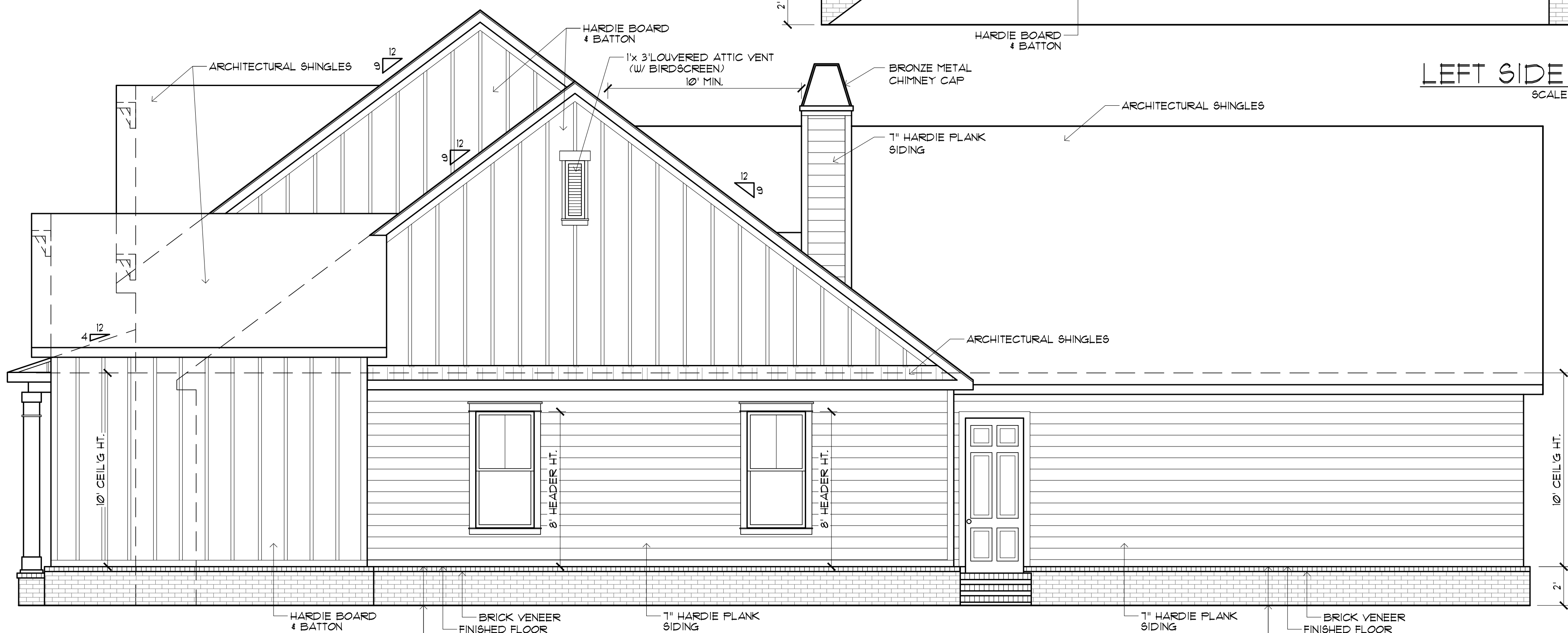
A2.0



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



LEFT SIDE ELEVATION
SCALE: 1/4"=1'-0"



RIGHT SIDE ELEVATION
SCALE: 1/4"=1'-0"

MADDEN HOME DESIGN, LLC NOT BEING AN ARCHITECTURAL OR ENGINEERING FIRM AS SUCH, THE PLANS SHALL BE CONSIDERED AS PRELIMINARY. THE USER SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND REGULATIONS HAVE BEEN MET. IF AN ERROR OR OMISSION DOES OCCUR, IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/OR BUILDER AT HIS OWN EXPENSE AND WITHOUT LIABILITY OF THE DRAFTING SERVICE. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF DIMENSIONS IN THE FIELD AND SHALL BUILD HEREIN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2015.

RESIDENCE OF
STAND SURE HOMES

Project

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

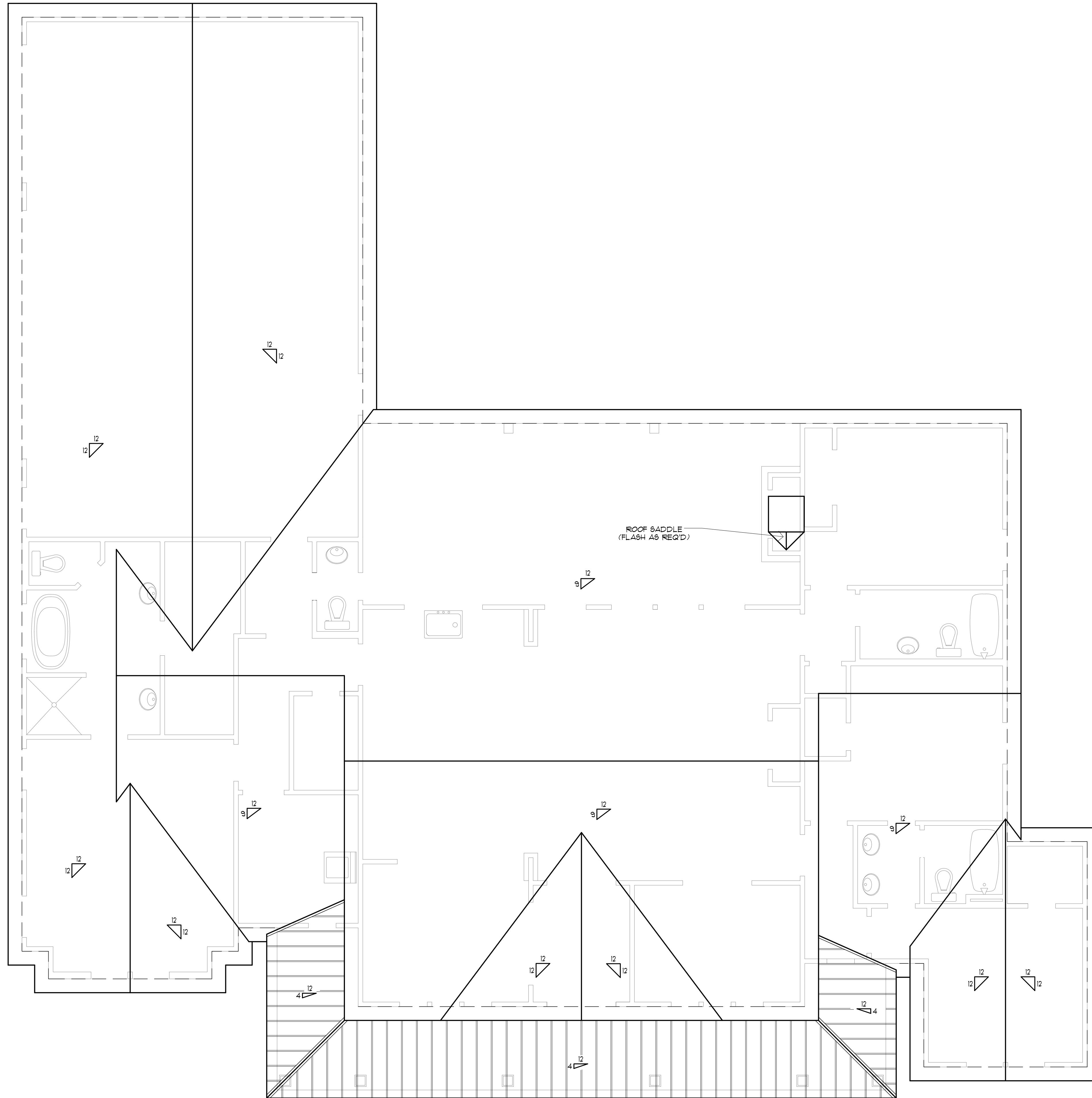
A B D

Project No.: The Black Creek
DATE: MAY 17, 2021
DRAWN BY: Steven Madden
DESIGNED BY: Steven Madden

COPYRIGHT NOTE: © These Plans Are Subject To Federal Copyright Laws And Are To Be Used For The Lot Number And Subdivision Indicated In This Title Block Only. Use On Any Other Site Is Prohibited.

© COPYRIGHT 2021
Sheet Title
ELEVATIONS & CROSS SECT

Sheet:
 Preliminary Dwg.
 Bidding Doc.
 Construction Doc.
A3.0



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

THIS DOCUMENT IS THE PROPERTY OF MADDEN HOME DESIGN, LLC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF MADDEN HOME DESIGN, LLC.

MADDEN HOME DESIGN, LLC NOT BEING AN ARCHITECTURAL OR ENGINEERING FIRM AS SUCH, SHALL NOT BE RESPONSIBLE FOR ANY CONSTRUCTION DEFECTS OR INADEQUACIES THAT MAY OCCUR AS A RESULT OF ANY DESIGN OR CONSTRUCTION. EVERY EFFORT HAS BEEN MADE TO INSURE ALL DIMENSIONS ARE CORRECT AND ENVIRONMENTAL REGULATIONS HAVE BEEN MET. IF AN ERROR OR OMISSION DOES OCCUR, IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/OR SUBS. AT HIS/HER OWN EXPENSE AND WITHOUT LIABILITY OF THE DRAFTING SERVICE. MADDEN HOME DESIGN, LLC IS NOT RESPONSIBLE FOR VERIFICATION OF DIMENSIONS IN THE FIELD AND SHALL BUILD HOME IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2015.

RESIDENCE OF
STAND SURE HOMES

Project

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

A B D

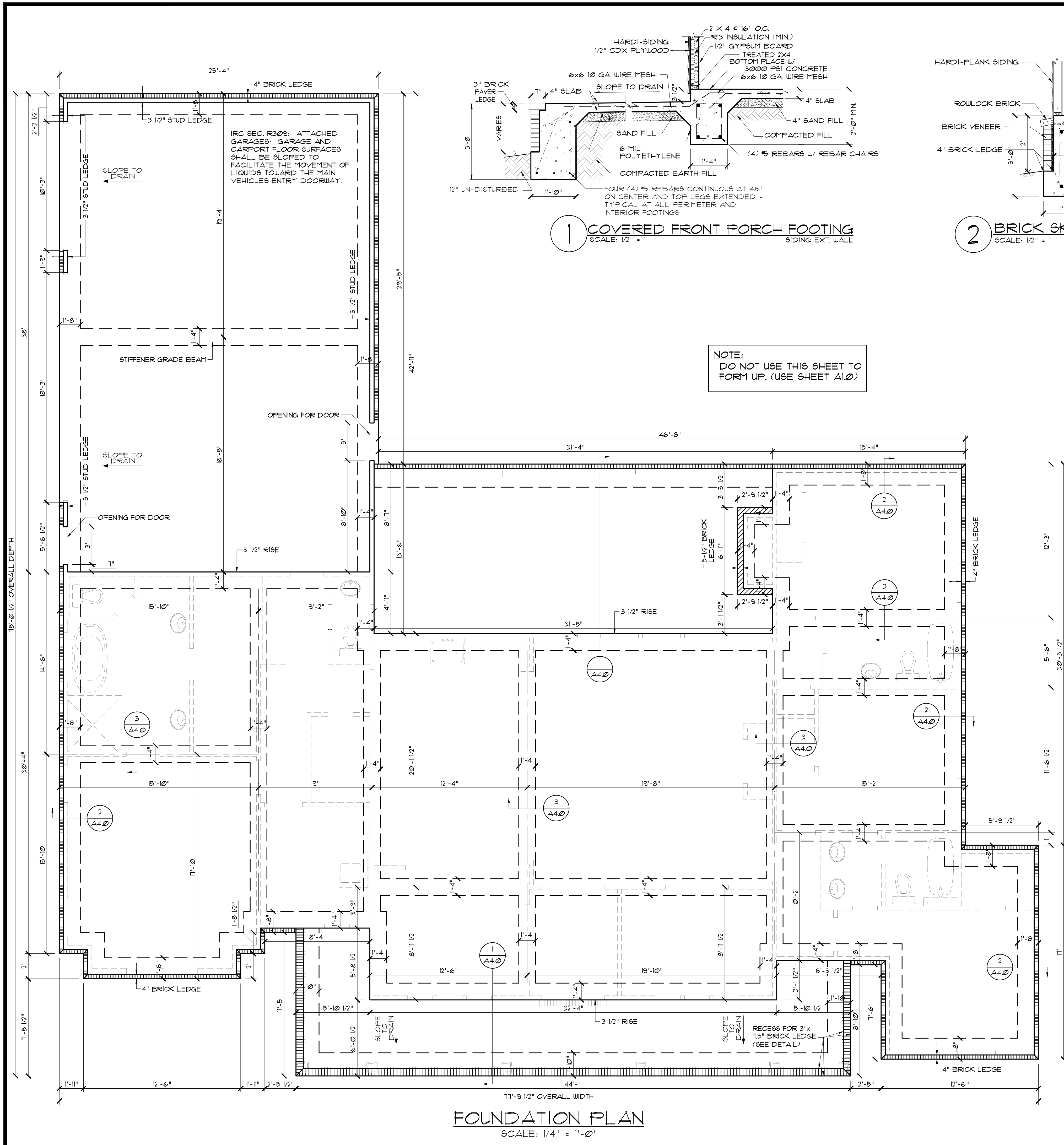
Project No.: The Black Creek
DATE: MAY 17, 2021
DRAWN BY: Steven Madden
DESIGNED BY: Steven Madden

COPYRIGHT NOTE: © These Plans Are Subject To Federal Copyright Laws And Are To Be Used For The Lot Number And Subdivision Indicated In This Title Block Only. Use On Any Other Site Is Prohibited.

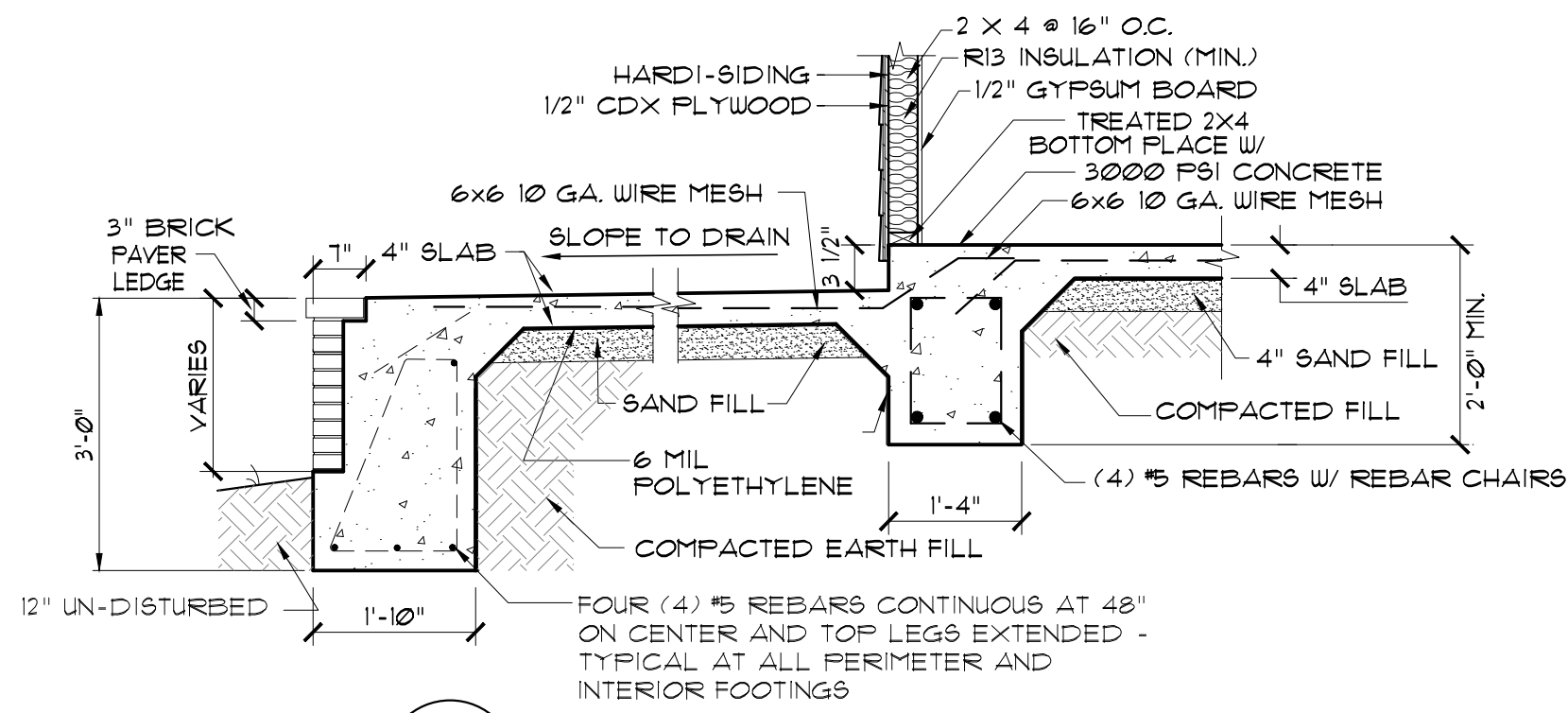
© COPYRIGHT 2021

Sheet Title
ROOF PLAN

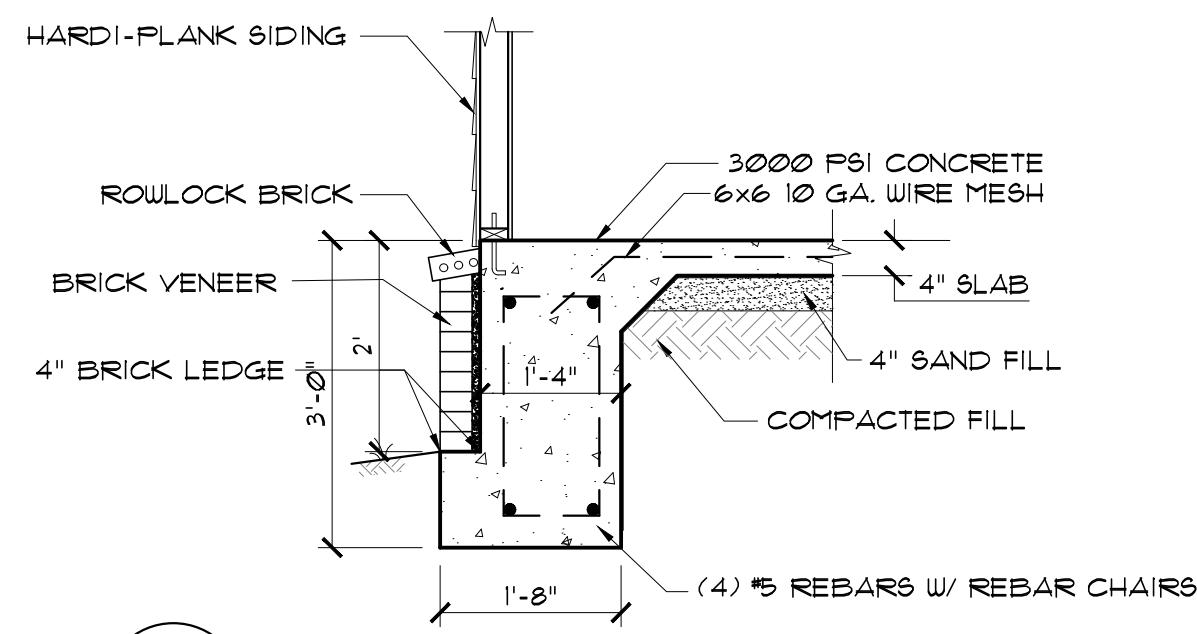
Sheet:
 Preliminary Dwg.
 Bidding Doc.
 Construction Doc.
A3.1



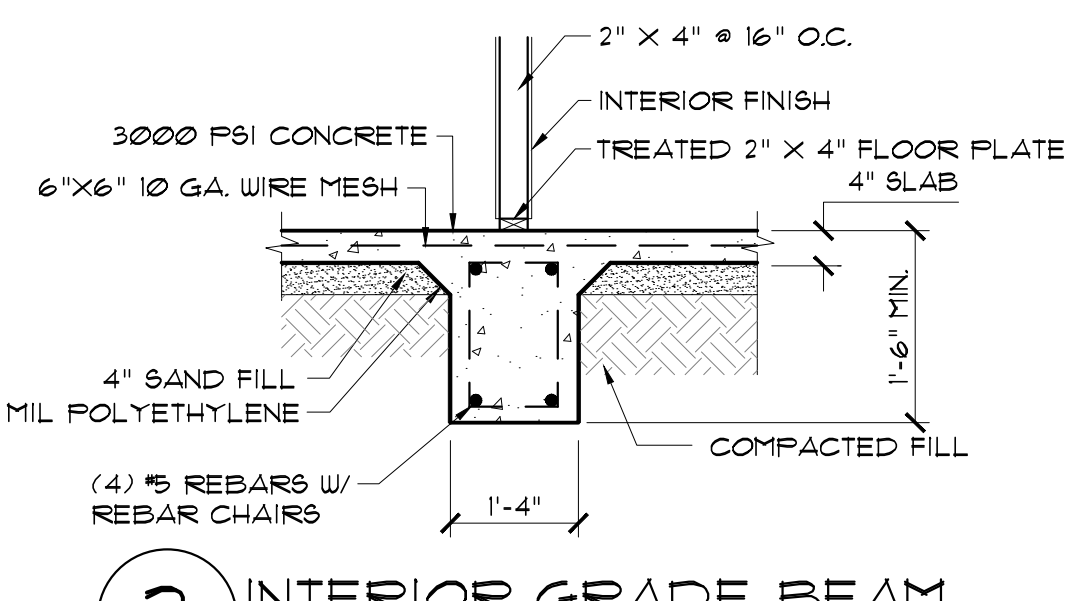
FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



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



2 BRICK SKIRT EXT. FOOTING
SCALE: 1/2" = 1'



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

NOTE:
DO NOT USE THIS SHEET TO FORM UP. (USE SHEET A1.0)

NOTE:
ALL EXTERIOR DIMENSIONS INCLUDE 4\"/>

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

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

- CONCRETE NOTES:**
- REFER TO BUILDING PLANS FOR DOOR OPENINGS AND EXACT DIMENSIONS.
 - USE CONCRETE BRICK SUPPORTS TO MAINTAIN REINFORCING CLEARANCES. DO NOT USE CMU OR FACE BRICK.
 - FOUNDATION DESIGN BASED ON A-4 FILL DIRT COMPACTED TO 95% DENSITY (ASTM D-1557). FILL PLACED @ 8" MAX. LIFTS.
 - ALL CONCRETE SHALL DEVELOP 3000 PSI COMPRESSIVE STRENGTH @ 28 DAYS. PLACE CONCRETE W/ MAXIMUM SLUMP OF 6". PROVIDE SLUMP TEST AND CYLINDERS AT BEGINNING AND MIDDLE OF POUR.
 - GRADE 40 DEFORMED REINFORCING.
 - ASTM-108 WUF REINFORCING.
 - APPLY A LIQUID MEMBRANE CURING CHEMICAL TO ALL CONCRETE SURFACES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. W/ GRACE PRODUCT OR EQUAL.
 - CONTRACTOR SHALL COORDINATE ALL DOOR LOCATIONS AND OMIT NOTCHES ACCORDINGLY.
 - 2" CLEARANCE FOR REBAR, SIDES AND BOTTOM.
 - MINIMUM SLAB THICKNESS SHALL BE 4" ON HOUSE AND ANY SIDEWALKS INCLUDING DRIVEWAY.
 - FINISH GRADE TO SLOPE AWAY FROM THE HOUSE.
 - REFER TO ELECTRICAL PLAN FOR IN-SLAB WIRING AND OUTLET REQUIREMENTS.
 - CONTRACTOR SHALL EXCAVATE ALL FOOTINGS TO SOLID, UNDISTURBED SOIL.
 - SLABS AND FOOTINGS SHALL BE PLACED MONOLITHICALLY IN A CONTINUOUS FOUR CONSTRUCTION JOINTS FOR THE PURPOSE OF FOUR INTERSECTION SHALL NOT BE ALLOWED WITHOUT PRIOR APPROVAL BY THE OWNER.
 - ALL DRIVEWAY FOURS SHALL HAVE THE PROPER CONSTRUCTION AND CONTROL JOINTS AT A DISTANCE NO GREATER THAN 15' WITH A JOINT DOWN THE CENTER. RADIUS BENDS SHALL HAVE A CONTROL JOINT AT THE CENTER OF THEM.

- SITE PREPARATION NOTES:**
- REMOVE TOP SOIL (8" TO 12") AND DELETERIOUS MATERIAL.
 - PROOF ROLL SUBBASE WITH A LOADED 18 YARD DUMP TRUCK. REMOVE ALL "PUMPING AREAS."

- FOUNDATION AND SITE WORK NOTES:**
- CHECK ELECTRICAL PLAN FOR ANY CONDUIT OR FLOOR RECEPTACLES.
 - TERMITE TREAT THE SOIL PRIOR TO POURING CONCRETE AND RETAIN CERTIFICATE FOR OWNER.
 - GRADE LOT TO DRAIN AWAY FROM THE FOUNDATION. A MINIMUM OF 6 INCHES IN THE FIRST 10 FEET.
 - CARPENT AND FRONT PORCH BEAMS ARE NOT SHOWN FOR CLARITY PURPOSES.
 - CONTRACTOR SHALL EXCAVATE ALL FOOTINGS TO SOLID, COMPACTED UNDISTURBED FILL MEETING 90% MODIFIED PROCTOR AS TESTED.
 - ALL WELDED WIRE FABRIC SHALL BE 6x6 10/10 WUF.
 - POLYETHYLENE VAPOR BARRIER SHALL BE 6 MIL. THICKNESS.

RESIDENCE OF
STAND SURE HOMES

Project

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

A B D

Project No.: The Black Creek
DATE: MAY 17, 2021
DRAWN BY: Steven Madden
DESIGNED BY: Steven Madden

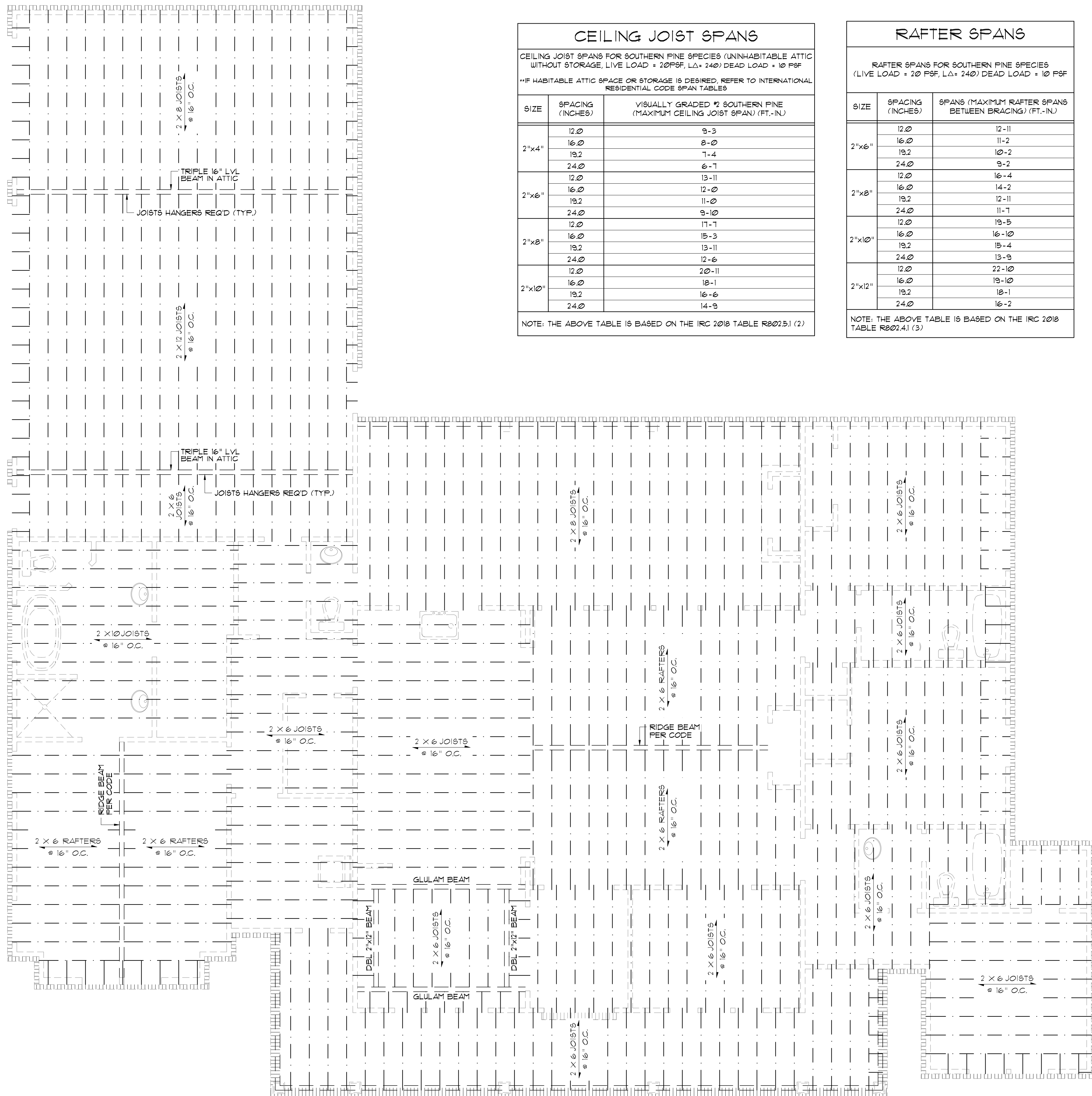
COPYRIGHT NOTE: © These Plans Are Subject To Federal Copyright Laws and Are To Be Used For The Lot Number And Subdivision Indicated In This Title Block Only. Use On Any Other Site is Prohibited.
© COPYRIGHT 2021

Sheet Title
FOUNDATION PLAN

Sheet:
□ Preliminary Dwg.
□ Bidding Doc.
□ Construction Doc.

A4.0

MADDEN HOME DESIGN, LLC NOT BEING AN ARCHITECTURAL OR ENGINEERING FIRM, ASSUMES NO LIABILITY FOR ANY INTEGRITY, OVERSIGHT, NEGLIGENCE, OR ANY OTHER CREATIVE EFFORT HAS BEEN MADE TO INSURE ALL DIMENSIONS ARE CORRECT AND ENVIRONMENTAL REGULATIONS HAVE BEEN MET. IF AN ERROR OR OMISSION DOES OCCUR, IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND NOT THE DESIGNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD AND SHALL BUILD HOME IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2018.



CEILING JOIST SPANS		
CEILING JOIST SPANS FOR SOUTHERN PINE SPECIES (INHABITABLE ATTIC WITHOUT STORAGE, LIVE LOAD = 20 PSF, LA = 240) DEAD LOAD = 10 PSF		
**IF HABITABLE ATTIC SPACE OR STORAGE IS DESIRED, REFER TO INTERNATIONAL RESIDENTIAL CODE SPAN TABLES		
SIZE	SPACING (INCHES)	VISUALLY GRADED #2 SOUTHERN PINE (MAXIMUM CEILING JOIST SPAN) (FT.-IN.)
2"x4"	12.0	9-3
	16.0	8-0
	19.2	7-4
	24.0	6-7
2"x6"	12.0	13-11
	16.0	12-0
	19.2	11-0
	24.0	9-10
2"x8"	12.0	17-7
	16.0	15-3
	19.2	13-11
	24.0	12-6
2"x10"	12.0	20-11
	16.0	18-1
	19.2	16-6
	24.0	14-9

NOTE: THE ABOVE TABLE IS BASED ON THE IRC 2018 TABLE R802.3.1 (2)

RAFTER SPANS		
RAFTER SPANS FOR SOUTHERN PINE SPECIES (LIVE LOAD = 20 PSF, LA = 240) DEAD LOAD = 10 PSF		
SIZE	SPACING (INCHES)	SPANS (MAXIMUM RAFTER SPANS BETWEEN BRACING) (FT.-IN.)
2"x6"	12.0	12-11
	16.0	11-2
	19.2	10-2
	24.0	9-2
2"x8"	12.0	16-4
	16.0	14-2
	19.2	12-11
	24.0	11-7
2"x10"	12.0	19-5
	16.0	16-10
	19.2	15-4
	24.0	13-9
2"x12"	12.0	22-10
	16.0	19-10
	19.2	18-1
	24.0	16-2

NOTE: THE ABOVE TABLE IS BASED ON THE IRC 2018 TABLE R802.4.1 (3)

- GENERAL FRAMING NOTES:**
 THE FOLLOWING NOTES ARE SUGGESTED MINIMUM REQUIREMENTS ONLY. DUE TO A VARIANCE OF CODES PER REGION, PLEASE REFER AND COMPLY WITH ALL YOUR LOCAL CODES. CONSULT WITH LOCAL ENGINEERS FOR ALL STRUCTURAL REQUIREMENTS.
1. PROVIDE FURLINS AT MID HEIGHT OF ALL WALLS.
 2. ALL JOIST AND RAFTERS SHALL BE ALIGNED OVER STUDS BELOW.
 3. ALL HEADERS SHALL BE 2-2X10'S WITH 1/2" FLYWOOD FLITCH PLATE UNLESS OTHERWISE NOTED.
 4. PROVIDE 1X4 CROSS BRACING AT MIDPOINT OF SPAN OR 8'-0" O.C. MAXIMUM IN ALL FLOORS.
 5. ALL EXTERIOR CORNERS (INSIDE AND OUTSIDE CORNERS) SHALL BE BRACED WITH 1/2" CDX PLYWOOD. NAILING SCHEDULE SHALL BE 8D COMMONS AT 4' O.C. AT ALL EDGES AND 8D COMMONS AT 12" O.C. AT ALL INTERMEDIATE STUDS. (OPTION-APPROVED DIAGONAL CORNER BRACES BOTH DIRECTIONS AT ALL CORNERS).
 6. ALL COLUMNS OR SOLID FRAMES SHALL EXTEND DOWN THRU ALL LEVELS AND TERMINATE AT THE BOTTOM FLOOR AND BE SUPPORTED BY THICKENED SLAB, GRADE BEAM, OR FOOTING DESIGNED TO CARRY LOAD.
 7. PROVIDE DOUBLE 2X6 STRONGBACK AT MIDSPAN FOR CEILING JOISTS WITH SPAN GREATER THAN 10'-0".
 8. PROVIDE COLLAR TIES AT UPPER 1/3 OF VERTICAL DISTANCE BETWEEN RIDGE BOARD AND CEILING JOISTS AT 4'-0" O.C. MAXIMUM.
 9. HIP, VALLEY RAFTERS, AND RIDGE BOARDS SHALL BE ONE "2X" SIZE LARGER THAN RAFTERS.
 10. ROOF DECKING SHALL BE 1/2" CDX PLYWOOD MINIMUM.
 11. WHERE PRE ENGINEERED FLOOR AND ROOF TRUSSES ARE USED, TRUSS MANUFACTURER MUST PROVIDE SHOP DRAWINGS WHICH BEAR SEAL OF REGISTERED ENGINEER IN STATE IN WHICH WORK IS TO BE PERFORMED.
 12. ALL SOLID FRAMING, COLUMNS, BEAMS, ETC., TO BE DESIGNED BY LOCAL STRUCTURAL ENGINEER AND MEET ALL LOCAL CALLS.
 13. HIP, VALLEY RAFTERS, AND RIDGE BOARDS SHALL BE ONE "2X" SIZE LARGER THAN RAFTERS.
 14. COLUMNS SHALL BE ADEQUATELY ANCHORED TO SLAB TO PREVENT LATERAL DISPLACEMENT PER IRC R401.3.
 15. SITE-ASSEMBLED HEADERS AND GIRDERS TO BE SIZED PER IRC TABLE R502.5(1) AND (2).
 16. HEADERS AND GIRDERS WHOSE SPAN EXCEEDS THOSE LISTED IN IRC TABLE R502.5(1) AND (2) ARE TO BE ENGINEERED BEAMS TO BE SIZED BY A QUALIFIED PARTY.
 17. WALLS ADJACENT TO GARAGE DOOR OPENING TO BE BRACED TO THE MINIMUM LENGTHS LISTED IN IRC R602.10.3 VIA SHEATHING OR AN ALTERNATIVE METHOD OF RESISTING SHEAR AS DESIGNED BY A QUALIFIED ENGINEER.
 18. ROOF AND FLOOR SHEATHING TO COMPLY WITH SPAN CHART R502.2.11 (1)

CEILING JOIST & RAFTER NOTE:
 CEILING JOISTS & RAFTERS ARE SELECTED BASED ON SOUTHERN YELLOW PINE.
 IF ANOTHER SPECIES OF WOOD IS USED THE JOISTS MUST BE RE-SELECTED, AND IT IS THE BUILDER OR CONTRACTORS RESPONSIBILITY TO RE-CALCULATE JOIST & RAFTER SIZES TO ENSURE PROPER CONSTRUCTION OF THE HOME.

JOISTS FRAMING PLAN
 SCALE: 1/4" = 1'-0"

MADDEN HOME DESIGN, LLC NOT BEING AN ARCHITECTURAL OR ENGINEERING FIRM. THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS AND ARE TO BE USED FOR THE LOT NUMBER AND SUBDIVISION INDICATED IN THIS TITLE BLOCK ONLY. USE ON ANY OTHER SITE IS PROHIBITED.

RESIDENCE OF
STAND SURE HOMES

Project

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

A B D

Project No.: The Black Creek
 DATE: MAY 17, 2021
 DRAWN BY: Steven Madden
 DESIGNED BY: Steven Madden

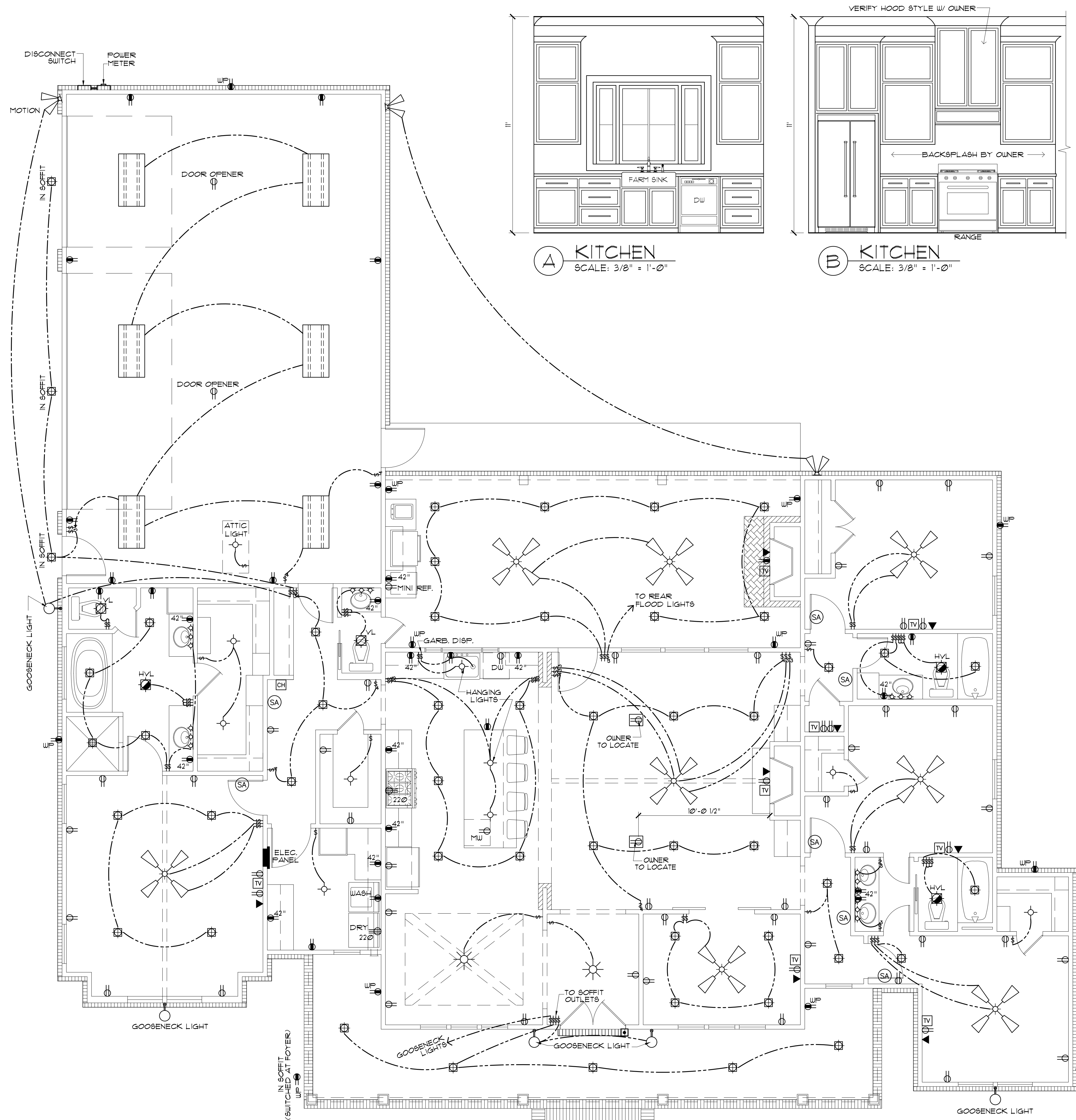
COPYRIGHT NOTE: © These Plans Are Subject To Federal Copyright Laws And Are To Be Used For The Lot Number And Subdivision Indicated In This Title Block Only. Use On Any Other Site Is Prohibited.

© COPYRIGHT 2021

Sheet Title
JOIST FRAMING PLAN

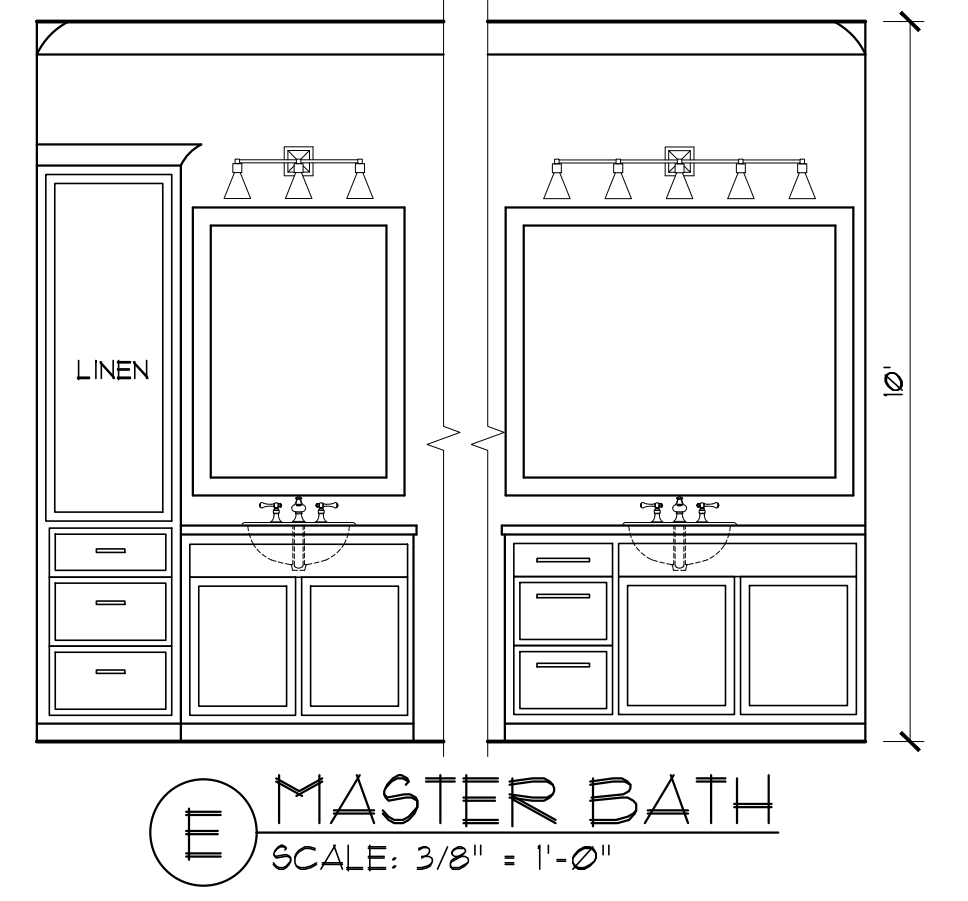
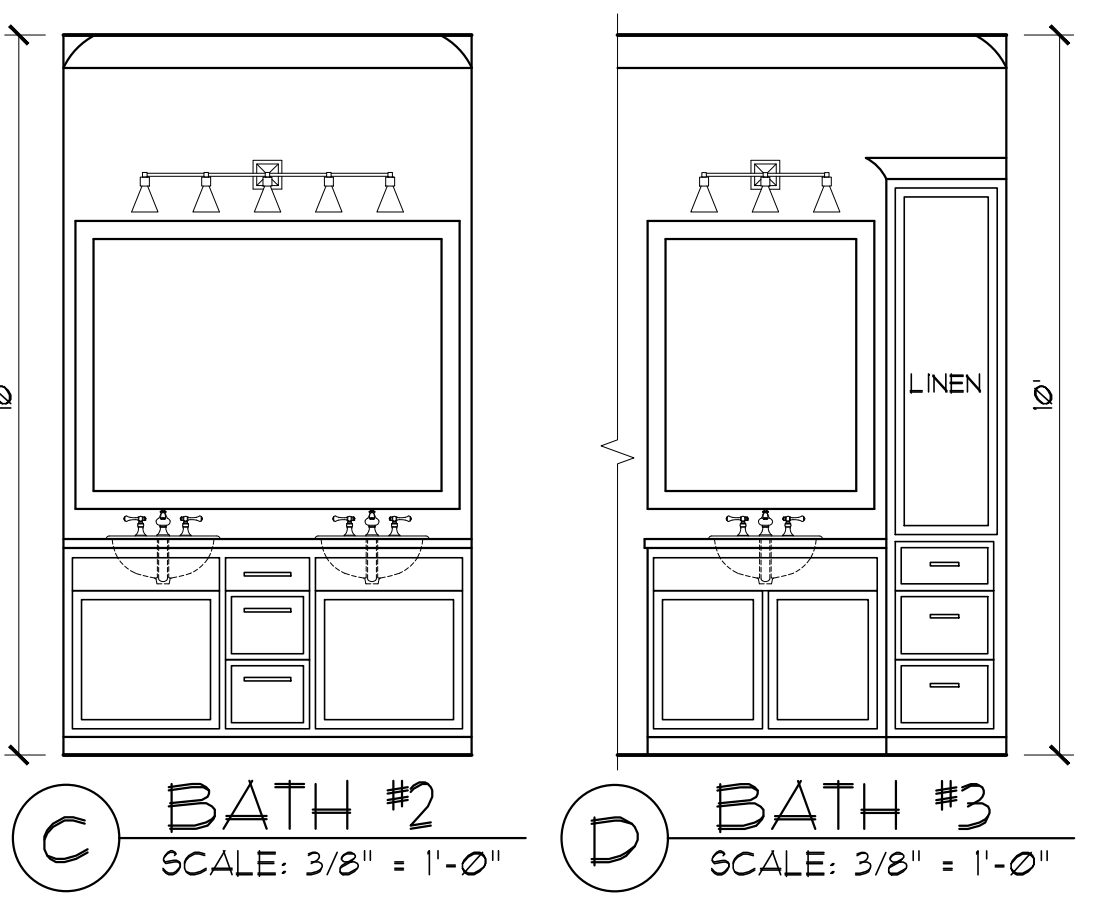
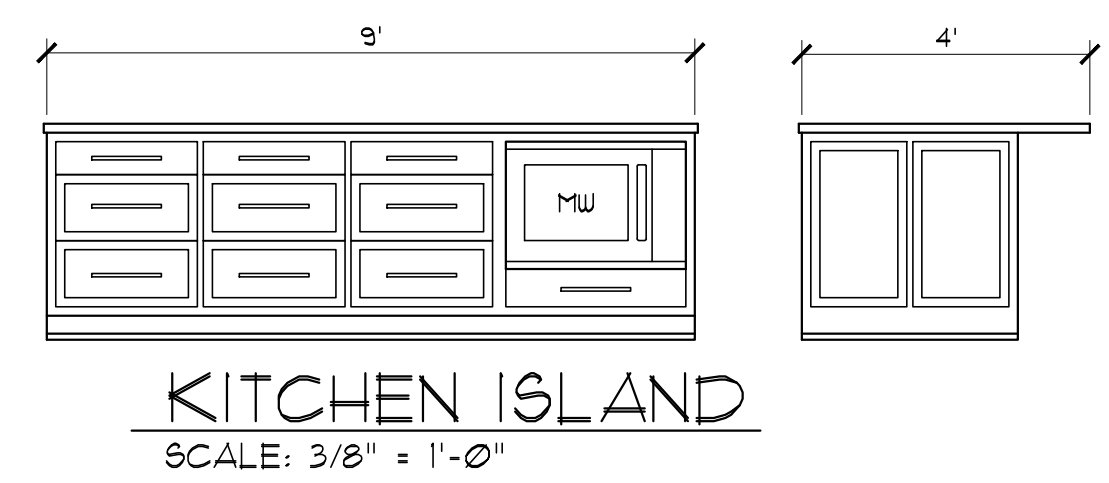
Sheet:
 Preliminary Dwg.
 Bidding Doc.
 Construction Doc.

A5.0



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

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



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

ELECTRICAL SYMBOL LEGEND

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

PRE-WIRE FOR THE FOLLOWING:

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

ELECTRICAL NOTES:

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

MADDEN HOME DESIGN, LLC NOT BEING AN ARCHITECTURAL OR ENGINEERING FIRM, HAS PROVIDED THIS ELECTRICAL PLAN AS A SERVICE TO THE CLIENT. EVERY EFFORT HAS BEEN MADE TO INSURE ALL DIMENSIONS ARE CORRECT AND ENVIRONMENTAL REGULATIONS HAVE BEEN MET. IF AN ERROR OR OMISSION RESPONSIBILITY OF THE CONTRACTOR AND/OR OWNER AT HIS OWN EXPENSE AND THE CONTRACTOR'S RESPONSIBILITY OF THE DRAFTING SERVICE. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF DIMENSIONS IN THE FIELD AND SHALL BUILD HOME IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2015.

RESIDENCE OF
STAND SURE HOMES

Project

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

A B D

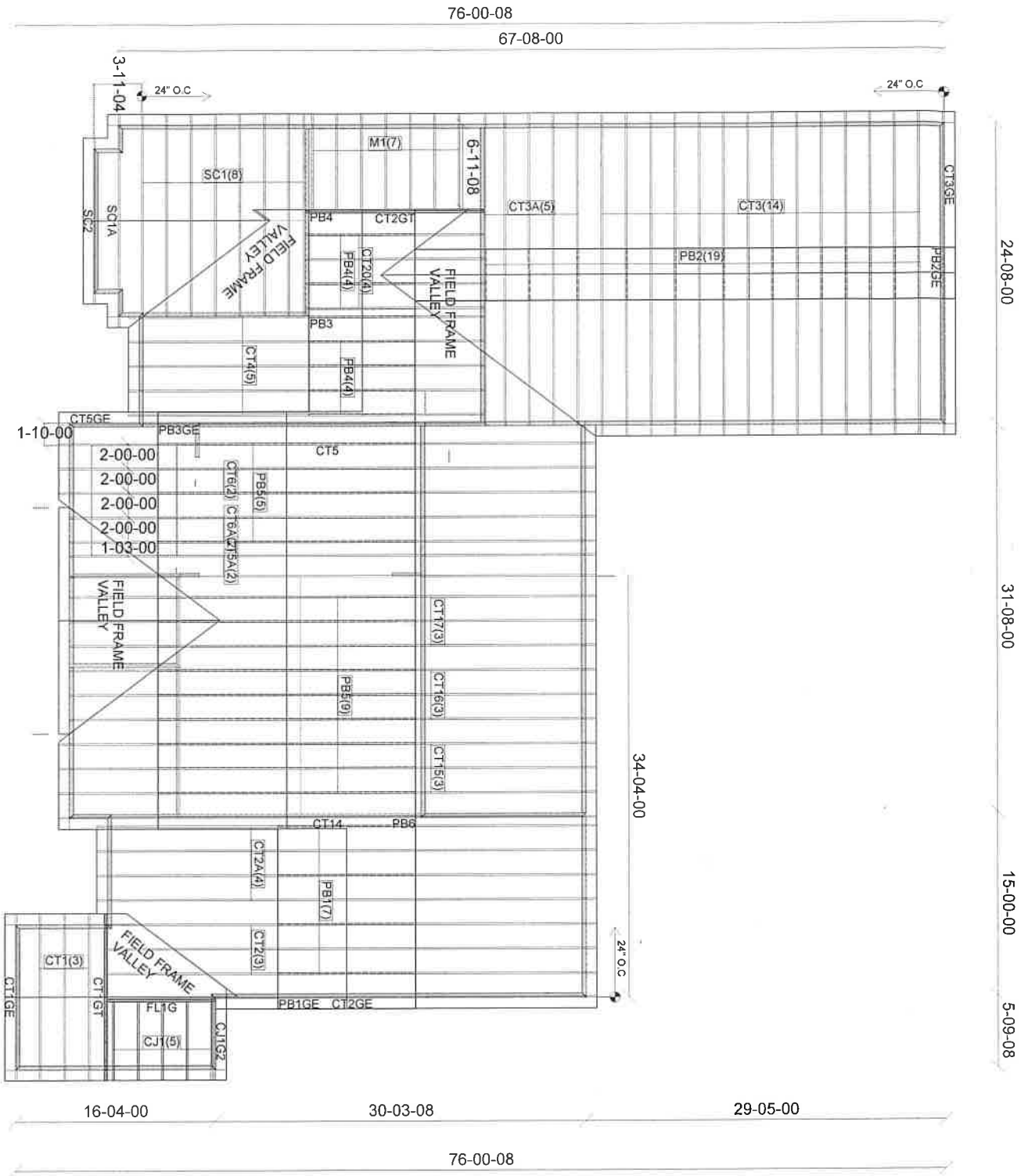
Project No.: The Black Creek
DATE: MAY 17, 2021
DRAWN BY: Steven Madden
DESIGNED BY: Steven Madden

COPYRIGHT NOTE: © These Plans Are Subject To Federal Copyright Laws And Are To Be Used For The Lot Number And Subdivision Indicated In This Title Block Only. Use On Any Other Site is Prohibited.

© COPYRIGHT 2021 9091
Sheet Title

ELECTRICAL PLAN

Sheet:
 Preliminary Dwg.
 Bidding Doc.
 Construction Doc.
E1.0



10401 Chapel Hill Rd
 Morrisville, NC 27560
 Ph. 919-467-9988
 Fax. 919-481-3255

DO210810
 BLACK CREEK
 32 THORNTON'S CREEK RD
 ERWIN, NC

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: DO210810
BLACK CREEK

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Truss Builders, Inc..

Pages or sheets covered by this seal: I47453442 thru I47453478

My license renewal date for the state of North Carolina is December 31, 2021.

North Carolina COA: C-0844



August 18, 2021

Johnson, Andrew

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: DO210810
BLACK CREEK

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Truss Builders, Inc..

Pages or sheets covered by this seal: I47477338 thru I47477338

My license renewal date for the state of North Carolina is December 31, 2021.

North Carolina COA: C-0844



August 17, 2021

Sevier, Scott

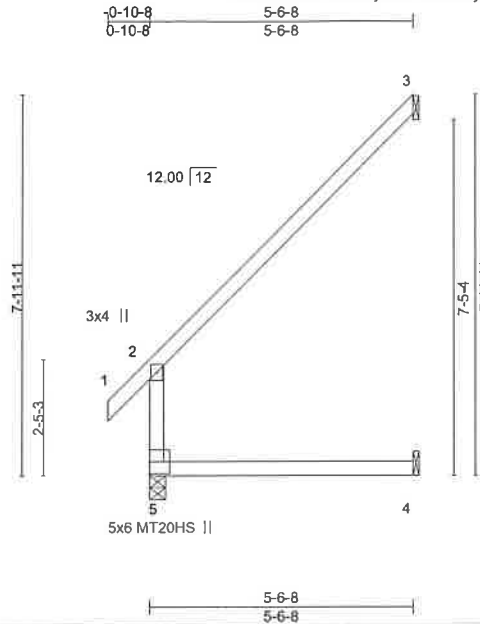
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job DO210810	Truss CJ1	Truss Type Jack-Open	Qty 5	Ply 1	BLACK CREEK Job Reference (optional)	147453442
-----------------	--------------	-------------------------	----------	----------	---	-----------

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:50:39 2021 Page 1

ID:XdVEHXV1W240jKARFW0Pu1yqv8U-yzY1TVVPcOXvmRMWaescv73RoO9f6suEAupKn9yoFqE



Scale = 1:46.0

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.65	in (loc) l/defl L/d	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.68	Vert(LL) 0.12 4-5 >526 240	MT20HS	187/143
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.11 4-5 >592 180		
BCLL 0.0	Rep Stress Incr YES	Matrix-MR	Horz(CT) -0.36 3 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 25 lb	FT = 6%

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

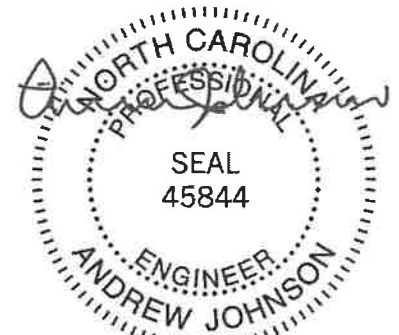
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-4-0, 3=Mechanical, 4=Mechanical
Max Horz 5=165(LC 10)
Max Uplift 3=145(LC 10), 4=22(LC 10)
Max Grav 5=280(LC 2), 3=172(LC 22), 4=104(LC 5)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- 3) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=145.



August 18, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

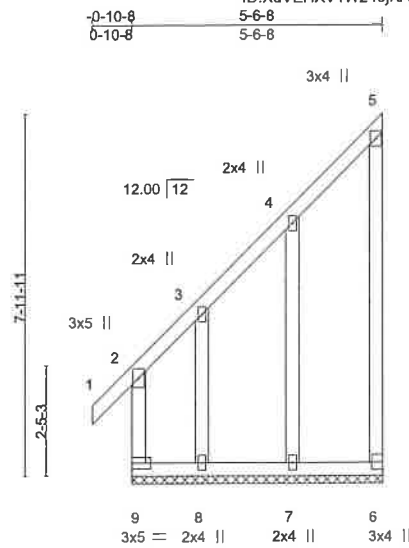


818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	BLACK CREEK
DO210810	CJ1G2	Jack-Open Supported Gable	1	1	147453443

Truss Builders, Inc., Morrisville, NC - 27560.

8,430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:50:40 2021 Page 1
 Job Reference (optional)
 ID:XdVEHXV1W240JKARFW0Pu1yqv8U-Q96PgrW1NiNmNbx18LrSLcb6oanrlqNOYYuJbyoFqD



Scale: 1/4"=1'

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

LOADING (psf)	SPACING-	2-0-0	CSI,	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof) 20.0	Plate Grip DOL	1.15	TC 0.74	Vert(LL)	0.00	2	n/r	120	MT20	244/190
Snow (Pf) 15.0	Lumber DOL	1.15	BC 0.37	Vert(CT)	0.00	2	n/r	120		
TCDL 10.0	Rep Stress Incr	YES	WB 0.08	Horz(CT)	-0.00	6	n/a	n/a		
BCLL 0.0 *	Code IBC2015/TPI2014		Matrix-R							
BCDL 10.0									Weight: 49 lb	FT = 6%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-6-8 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

All bearings 5-6-8.
 (lb) - Max Horz 9=231(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 6, 7 except 9=216(LC 8), 8=376(LC 7)
 Max Grav All reactions 250 lb or less at joint(s) 6 except 9=425(LC 7), 7=261(LC 23), 8=346(LC 8)

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

TOP CHORD 2-3=264/170

NOTES-

- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 7 except (jt=lb) 9=216, 8=376.



August 18, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20681

ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	
DO210810	CT1	Common	3	1		I47453444
					Job Reference (optional)	

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 Mitek Industries, Inc. Fri Aug 13 12:50:41 2021 Page 1

ID:XdVEHXV1W240jKARFW0Pu1yqv8U-uMgouBXf80nd?IWvi2u4_Y8pVCxjakJXdCIRr2yoFqC

-0-10-8 5-11-0 11-10-0 12-8-8
0-10-8 5-11-0 5-11-0 0-10-8

4x6 ||

Scale = 1:50.1

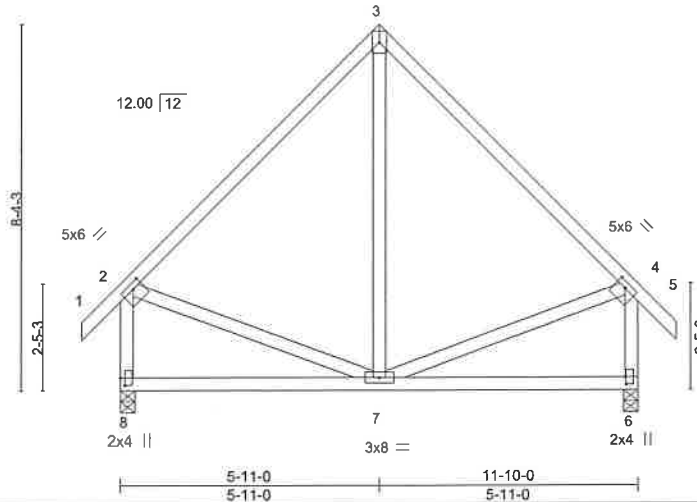


Plate Offsets (X,Y)-- [2:0-2-12.0-1-8], [4:0-2-12.0-1-8], [6:0-2-0,0-0-4], [8:0-2-0,0-1-4]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL	1.15	TC 0.58	Vert(LL)	-0.02	7-8	>999	MT20	244/190
Snow (Pf) 15.0	Lumber DOL	1.15	BC 0.26	Vert(CT)	-0.04	7-8	>999		
TCDL 10.0	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00	6	n/a		
BCLL 0.0 *	Code IBC2015/TPI2014		Matrix-MR					Weight: 82 lb	FT = 6%
BCDL 10.0									

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 8=0-4-0, 6=0-4-0
Max Horz 8=194(LC 9)
Max Uplift 8=-10(LC 11), 6=-10(LC 10)
Max Grav 8=523(LC 2), 6=523(LC 2)

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

TOP CHORD 2-3=388/86, 3-4=388/86, 2-8=-464/40, 4-6=-464/40

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 8, 6.



August 18, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with Mitek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY
TRENCO
A Mitek Affiliate

818 Soundside Road
Edenton, NC 27932

Job DO210810	Truss CT1GE	Truss Type Common Supported Gable	Qty 1	Ply 1	BLACK CREEK Job Reference (optional)	I47453445
-----------------	----------------	--------------------------------------	----------	----------	---	-----------

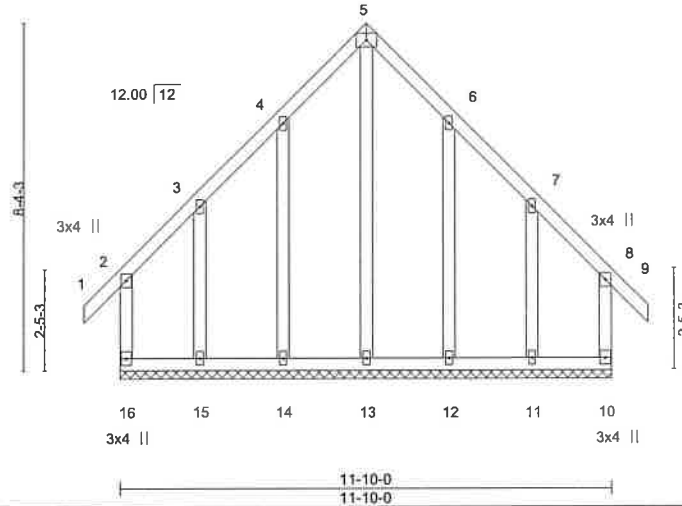
Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:50:47 2021 Page 1
ID:XdVEHXV1W240jKARFW0Pu1yqv8U-JW138EcQjsYnigz22J7UEpOshd?_Q_P?8l3hyoFq6

-0-10-8 5-11-0 11-10-0 12-8-8
0-10-8 5-11-0 5-11-0 0-10-8

4x6 =

Scale = 1:52.8



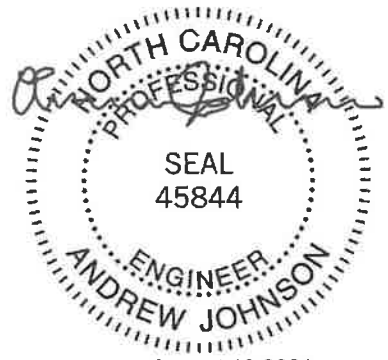
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.40	in (loc) l/defl L/d	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.22	Vert(LL) -0.00 9 n/r 120		
TCDL 10.0	Lumber DOL 1.15	WB 0.25	Vert(CT) -0.00 9 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R	Horz(CT) -0.00 10 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 93 lb	FT = 6%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 11-10-0.
 (lb) - Max Horz 16=194(LC 9)
 Max Uplift All uplift 100 lb or less at joint(s) 14, 12 except 16=151(LC 6), 10=144(LC 7), 15=169(LC 7), 11=164(LC 6)
 Max Grav All reactions 250 lb or less at joint(s) 16, 10, 14, 12 except 13=280(LC 25), 15=305(LC 22), 11=301(LC 23)

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=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 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.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 14, 12 except (jt=lb) 16=151, 10=144, 15=169, 11=164.



Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	
DO210810	CT1GT	Common Girder	1	2		147453446

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:50:48 2021 Page 1

ID:XdVEHXV1W240jKARFW0Pu1yqv8U-BibRMac2U9geLqYFc1Wjm1xw80BQjJYEoUJb8yoFq5
 0-10-8 3-1-4 5-11-0 8-8-12 11-10-0 12-8-8
 0-10-8 3-1-4 2-9-12 2-9-12 3-1-4 0-10-8

4x6 =

Scale = 1:50.1

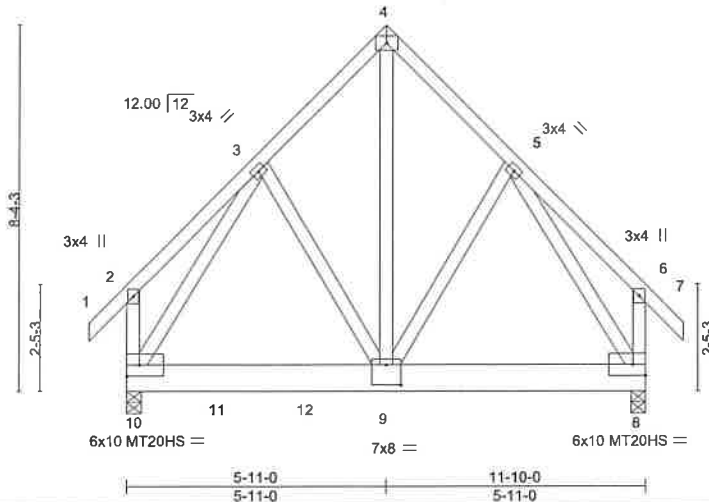


Plate Offsets (X,Y) = [9-0-4-0,0-5-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL	1.15	TC 0.87	Vert(LL)	-0.05	9-10	>999	MT20	244/190
Snow (Pf) 15.0	Lumber DOL	1.15	BC 0.89	Vert(CT)	-0.10	9-10	>999	MT20HS	187/143
TCDL 10.0	Rep Stress Incr	NO	WB 0.44	Horz(CT)	0.00	8	n/a		
BCLL 0.0 *	Code IBC2015/TPI2014		Matrix-MR						
BCDL 10.0								Weight: 226 lb	FT = 6%

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x8 SP No.2
 WEBS 2x4 SP No.3 *Except*
 2-10,6-8: 2x4 SP No.2

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

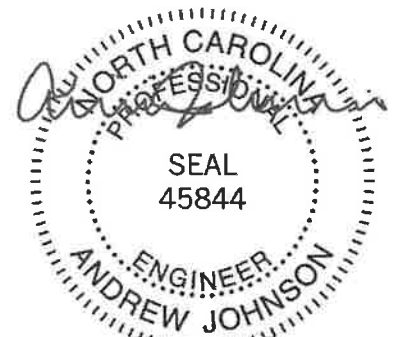
REACTIONS. (size) 10=0-4-0, 8=0-4-0
 Max Horz 10=190(LC 32)
 Max Uplift 10=382(LC 11), 8=330(LC 10)
 Max Grav 10=3212(LC 2), 8=1673(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=678/134, 3-4=1684/427, 4-5=1689/427, 2-10=623/129
 BOT CHORD 9-10=257/1056, 8-9=187/964
 WEBS 4-9=531/2102, 5-9=177/482, 3-9=172/365, 3-10=1265/310, 5-8=1893/331

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-6-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 10=382, 8=330.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1577 lb down and 60 lb up at 2-0-8, 1577 lb down and 60 lb up at 4-0-8, and 140 lb down and 76 lb up at 5-11-12, and 725 lb down and 530 lb up at 6-2-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
 Continued on page 2



August 18, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	I47453446
DO210810	CT1GT	Common Girder	1	2	Job Reference (optional)	

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:50:48 2021 Page 2
 ID:XdVEHXV1W240jKARFW0Pu1yqv8U-BibRMac2U9geLqYFc1Wjrm1xw80BQjqJYEoUJb8yoFq5

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-50, 2-4=-50, 4-6=-50, 6-7=-50, 8-10=-20

Concentrated Loads (lb)

Vert: 9=-652(B=-569) 11=-1349(B) 12=-1349(B)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



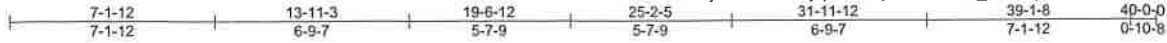
818 Soundside Road
 Edenton, NC 27932

Job DO210810	Truss CT2	Truss Type Piggyback Base	Qty 3	Ply 1	BLACK CREEK	147453447
-----------------	--------------	------------------------------	----------	----------	-------------	-----------

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MITek Industries, Inc. Fri Aug 13 12:50:49 2021 Page 1

ID:XdVEHXV1W240JKARFW0Pu1yqv8U-fu9pZwdhFToUz_7RAk1yJEU8LQZ4SIBiTSes7ayoFq4



Scale = 1:76.3

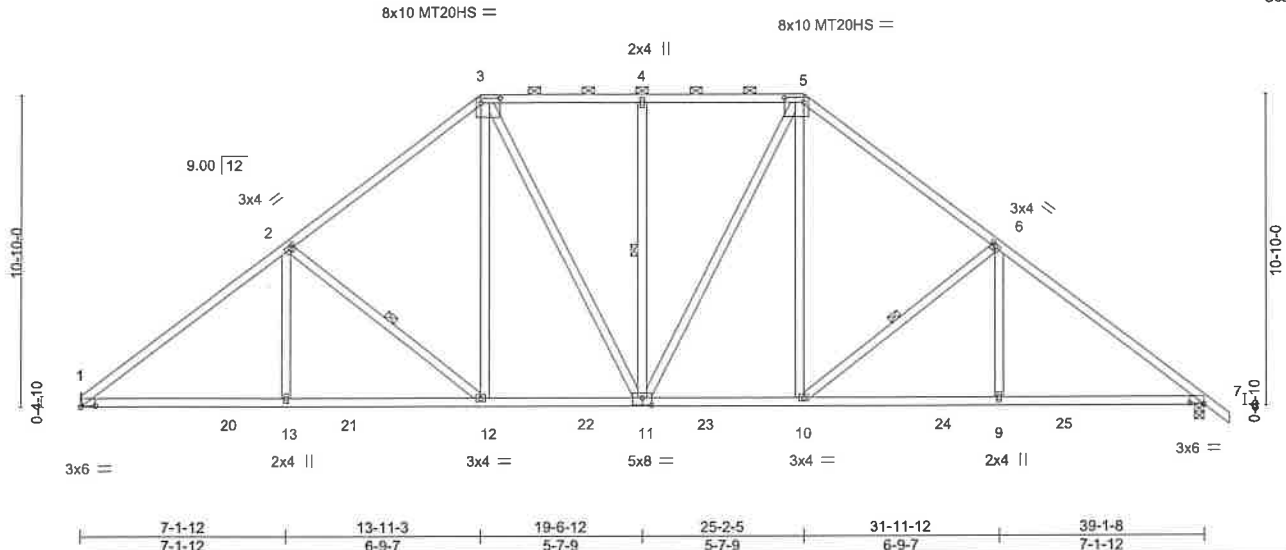


Plate Offsets (X,Y)-	[1:0-6-0,0-0-6], [2:0-1-12,0-1-8], [3:0-8-0,0-2-0], [5:0-8-0,0-2-0], [6:0-1-12,0-1-8], [7:0-6-0,0-0-6], [11:0-4-0,0-3-0]
----------------------	--

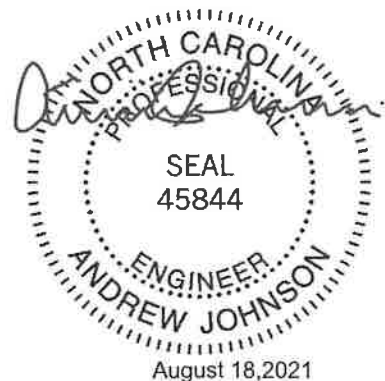
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.65	in (loc) l/defl L/d	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.74	Vert(LL) -0.12 11-12 >999 240	MT20HS	187/143
TCDL 10.0	Lumber DOL 1.15	WB 0.33	Vert(CT) -0.22 11-12 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MR	Horz(CT) 0.10 7 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 249 lb	FT = 6%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-9-12 oc purlins, except 2-0-0 oc purlins (4-5-11 max.): 3-5.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 2-12, 4-11, 6-10

REACTIONS. (size) 1=Mechanical, 7=0-4-0
 Max Horz 1=-211(LC 8)
 Max Uplift 1=-40(LC 10), 7=-52(LC 11)
 Max Grav 1=1597(LC 3), 7=1642(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=2377/81, 2-3=-1865/131, 3-4=-1527/118, 4-5=-1527/118, 5-6=-1865/131, 6-7=-2374/79
 BOT CHORD 1-13=-94/1898, 12-13=-94/1898, 11-12=0/1411, 10-11=0/1410, 9-10=0/1827, 7-9=0/1827
 WEBS 2-13=0/306, 2-12=633/158, 3-12=-16/582, 3-11=-123/370, 4-11=-338/118, 5-11=123/370, 5-10=-16/580, 6-10=-630/156, 6-9=0/305

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	
DO210810	CT2A	Piggyback Base	4	1		147453448

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:50:51 2021 Page 1

ID:XdVEHXV1W240JKARFW0Pu1yqv8U-cHGa_cfxn42CCHHqH93QOZV4EEjwCh?wizCTyoFq2

-0-10-8	7-1-12	13-11-3	19-6-12	25-2-5	31-11-12	39-1-8	40-0-0
0-10-8	7-1-12	6-9-7	5-7-9	5-7-9	6-9-7	7-1-12	0-10-8

Scale = 1:76.9

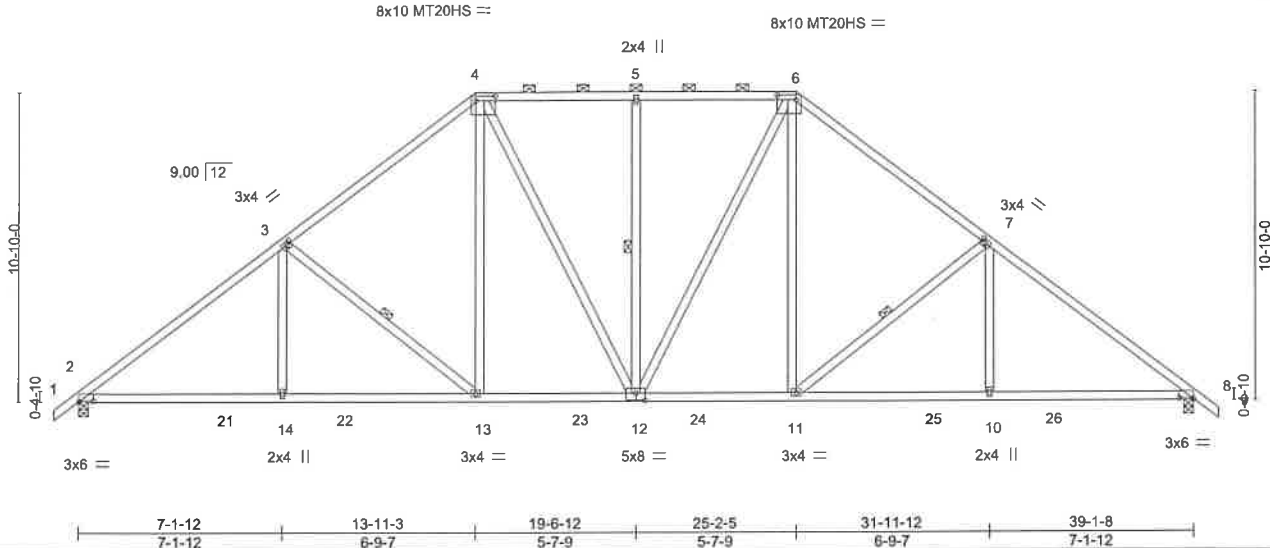


Plate Offsets (X,Y) - [2:0-6-0,0-0-6], [3:0-1-12,0-1-8], [4:0-8-0,0-2-0], [6:0-8-0,0-2-0], [7:0-1-12,0-1-8], [8:0-6-0,0-0-6], [12:0-4-0,0-3-0]

LOADING (psf)	TCLL (roof) 20.0	SPACING-	2-0-0	CSI.	DEFL. in (loc) l/defl	L/d	PLATES	GRIP
Snow (Pf) 15.0	TCCL (roof) 20.0	Plate Grip DOL 1.15	2-0-0	TC 0.63	Vert(LL) -0.12 11-12 >999 240	240	MT20	244/190
TCDL 10.0	BCLL 0.0 *	Lumber DOL 1.15	2-0-0	BC 0.73	Vert(CT) -0.22 11-12 >999 180	180	MT20HS	187/143
BCLL 0.0 *	BCDL 10.0	Rep Stress Incr YES	2-0-0	WB 0.33	Horz(CT) 0.10 8 n/a n/a	n/a		
BCDL 10.0		Code IBC2015/TPI2014	2-0-0	Matrix-MR				
							Weight: 251 lb	FT = 6%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-10-6 oc purlins, except 2-0-0 oc purlins (4-5-11 max.): 4-6.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 3-13, 5-12, 7-11

REACTIONS.

(size) 2=0-4-0, 8=0-4-0
 Max Horz 2=-216(LC 8)
 Max Uplift 2=-52(LC 10), 8=-52(LC 11)
 Max Grav 2=1641(LC 3), 8=1641(LC 3)

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

TOP CHORD 2-3=-2373/79, 3-4=-1864/131, 4-5=-1526/118, 5-6=-1526/118, 6-7=-1864/131, 7-8=-2373/79
 BOT CHORD 2-14=-92/1894, 13-14=-92/1894, 12-13=0/1410, 11-12=0/1410, 10-11=0/1826, 8-10=0/1826
 WEBS 3-14=0/305, 3-13=-629/156, 4-13=-16/580, 4-12=-123/370, 5-12=-338/118, 6-12=-123/370, 6-11=-16/580, 7-11=-630/156, 7-10=0/305

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 2, 8.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

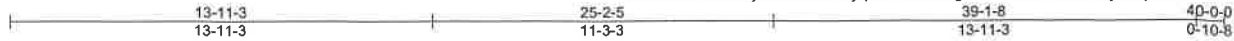
ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job DO210810	Truss CT2GE	Truss Type GABLE	Qty 1	Ply 1	BLACK CREEK	147453449
-----------------	----------------	---------------------	----------	----------	-------------	-----------

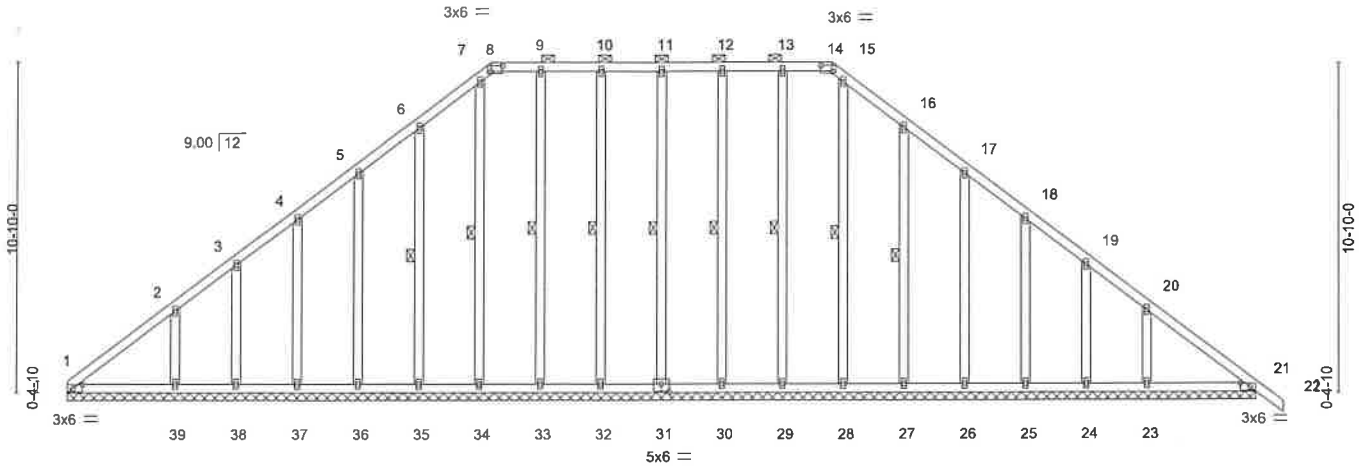
Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:50:53 2021 Page 1

ID:XdVEHXV1W240JKARFW0Pu1yqv8U-YFOKPIgBJlwRbRCPa6uT4ey614yOARIO3C4GLyoFq0



Scale = 1:72.1



39-1-8
39-1-8

Plate Offsets (X,Y)-- [1:0-3-13,0-1-8], [8:0-4-8,0-2-4], [14:0-4-8,0-2-4], [21:0-3-13,0-1-8], [31:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.15	Vert(LL) 0.00	22	n/r	120	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.10	Vert(CT) 0.01	22	n/r	120		
TCDL 10.0	Lumber DOL 1.15	WB 0.12	Horz(CT) 0.01	21	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R						
BCDL 10.0	Code IBC2015/TPI2014							
							Weight: 317 lb	FT = 6%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.); 8-14.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 11-31, 10-32, 9-33, 7-34, 6-35, 12-30, 13-29, 15-28, 16-27

REACTIONS.

All bearings 39-1-8.
(lb) - Max Horz 1=212(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 1, 31, 32, 33, 35, 36, 37, 38, 39, 30, 29, 27, 26, 25, 24, 23
Max Grav All reactions 250 lb or less at joint(s) 1, 31, 32, 33, 34, 35, 36, 37, 38, 30, 29, 28, 27, 26, 25, 24, 21 except 39=299(LC 22), 23=285(LC 23)

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=115mph Vasd=91mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- 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.
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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, 31, 32, 33, 35, 36, 37, 38, 39, 30, 29, 27, 26, 25, 24, 23.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



August 18, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 rev. 6/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

TRENCO
ENGINEERING BY
A MiTek Affiliate

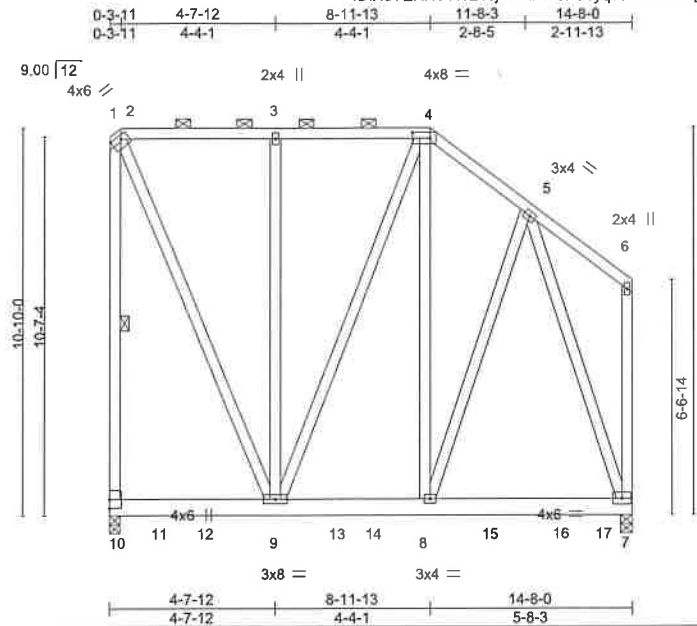
818 Soundside Road
Edenton, NC 27932

Job DO210810	Truss CT2GT	Truss Type Piggyback Base Girder	Qty 1	Ply 2	BLACK CREEK Job Reference (optional)	147453450
-----------------	----------------	-------------------------------------	----------	----------	---	-----------

Truss Builders, Inc., Morrisville, NC - 27560.

8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:50:55 2021 Page 1

ID:XdVEHXV1W240jKARFW0Pu1yqv8U-U2W4q_iRrJYehvabW78MZVkBwrj6s0sarNhBLEyoFq_



Scale = 1:61.5

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.58	in (loc) l/defl L/d	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.31	Vert(LL) -0.03 7-8 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.38	Vert(CT) -0.05 7-8 >999 180		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MR	Horz(CT) 0.00 10 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 340 lb	FT = 6%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 10=0-3-8, 7=0-4-0
Max Horz 7=299(LC 6)
Max Uplift 10=504(LC 6), 7=336(LC 11)
Max Grav 10=1772(LC 44), 7=1600(LC 45)

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

TOP CHORD 1-2=896/269, 2-3=557/191, 3-4=557/191, 4-5=799/232, 1-10=-1263/367
BOT CHORD 8-9=285/681, 7-8=-274/503
WEBS 2-9=-396/1341, 3-9=-324/128, 4-9=-304/155, 4-8=-217/589, 5-8=-215/671, 5-7=-1230/287

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) except (j=l=b) 10=504, 7=336.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 307 lb down and 99 lb up at 0-7-4, 305 lb down and 104 lb up at 2-7-4, 324 lb down and 104 lb up at 4-7-4, 304 lb down and 104 lb up at 6-7-4, 307 lb down and 104 lb up at 8-7-4, and 305 lb down and 104 lb up at 10-7-4, and 302 lb down and 104 lb up at 12-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



August 18, 2021

LOAD CASE(S) Standard

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MIT-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	I47453450
DO210810	CT2GT	Piggyback Base Girder	1	2	Job Reference (optional)	

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:50:55 2021 Page 2
 ID:XdVEHXV1W240JKARFW0Pu1yqv8U-U2W4q_iRrJYehvabW78MZvkBwrj6s0sarNhBLEyoFq_

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 2-4=-50, 4-6=-50, 7-10=-20

Concentrated Loads (lb)

Vert: 9=-216(B) 8=-216(B) 11=-221(B) 12=-216(B) 14=-216(B) 15=-216(B) 16=-216(B)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITPP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



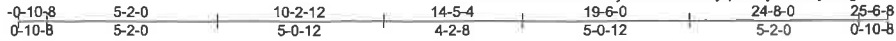
818 Soundside Road
 Edenton, NC 27932

Job DO210810	Truss CT3	Truss Type Piggyback Base	Qty 14	Ply 1	BLACK CREEK	I47453451
-----------------	--------------	------------------------------	-----------	----------	-------------	-----------

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:50:56 2021 Page 1

ID:XdVEHXV1W240jKARFW0Pu1yqv8U-yE4T1J4bdgV129n4ifb5jGRVF2ZbSek41QksyoFpz



6x10 MT20HS =

Scale = 1:66.5

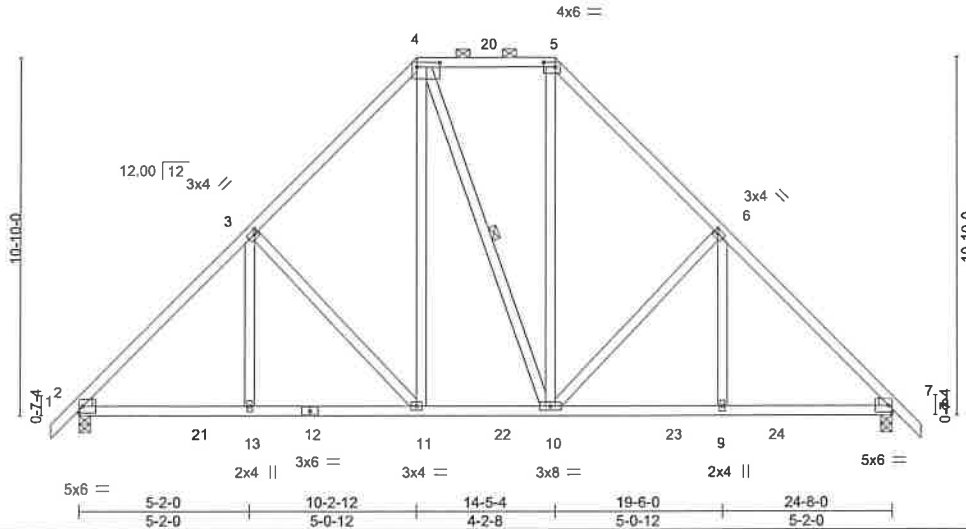


Plate Offsets (X,Y)=[3:0-1-4,0-1-8], [4:0-8-4,0-1-12], [5:0-4-4,0-1-12], [6:0-1-4,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL 1.15	TC 0.27	Vert(LL) -0.03	10-11	>999	240	MT20	244/190
Snow (Pf) 15.0	Lumber DOL 1.15	BC 0.30	Vert(CT) -0.07	11-13	>999	180	MT20HS	187/143
TCDL 10.0	Rep Stress Incr YES	WB 0.41	Horz(CT) 0.03	7	n/a	n/a		
BCLL 0.0 *	Code IBC2015/TPI2014	Matrix-MR						
BCDL 10.0								Weight: 175 lb FT = 6%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

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

REACTIONS.

(size) 2=0-4-0, 7=0-4-0
 Max Horz 2=-216(LC 8)
 Max Uplift 2=-20(LC 10), 7=-20(LC 11)
 Max Grav 2=1045(LC 3), 7=1039(LC 2)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1215/37, 3-4=-922/120, 4-5=-585/137, 5-6=-919/120, 6-7=-1203/37
 BOT CHORD 2-13=-59/914, 11-13=-59/914, 10-11=-4/653, 9-10=0/792, 7-9=0/792
 WEBS 3-11=-385/158, 4-11=-55/424, 5-10=-52/392, 6-10=-380/159

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCCL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



August 18, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20687

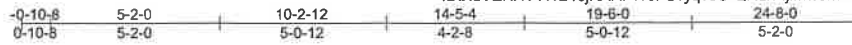


818 Soundside Road
 Edenton, NC 27932

Job DO210810	Truss CT3A	Truss Type Piggyback Base	Qty 5	Ply 1	BLACK CREEK	147453452
-----------------	---------------	------------------------------	----------	----------	-------------	-----------

Truss Builders, Inc., Morrisville, NC - 27560.

8.430 s Jun 2 2021 MITek Industries, Inc. Fri Aug 13 12:50:57 2021 Page 1



6x10 MT20HS =

Scale = 1:66.5

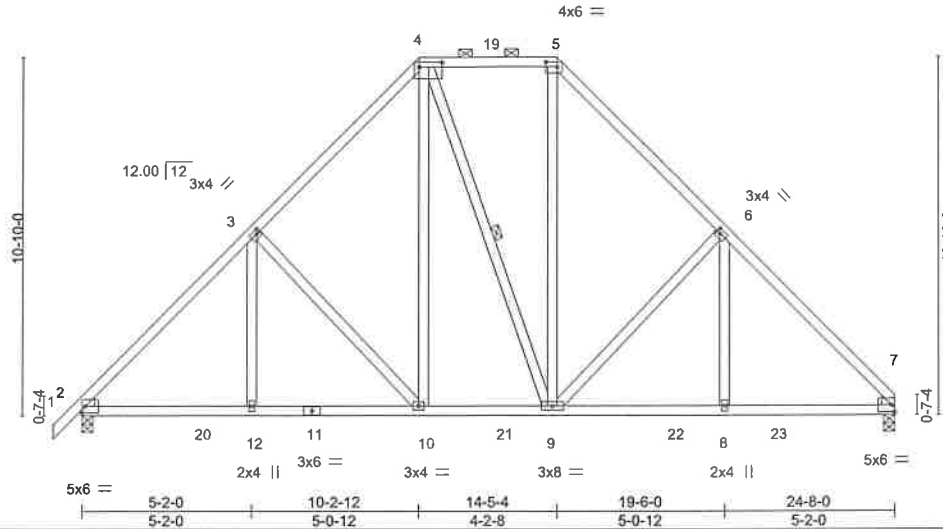


Plate Offsets (X,Y) - [3:0-1-4,0-1-8], [4:0-8-4,0-1-12], [5:0-4-4,0-1-12], [6:0-1-4,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.27	in (loc) l/defl L/d	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.30	Vert(LL) -0.03 9-10 >999 240	MT20HS	187/143
TCDL 10.0	Lumber DOL 1.15	WB 0.41	Vert(CT) -0.07 10-12 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MR	Horz(CT) 0.03 7 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 173 lb	FT = 6%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-

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

REACTIONS.

(size) 2=0-4-0, 7=0-4-0
 Max Horz 2=210(LC 7)
 Max Uplift 2=-20(LC 10), 7=-7(LC 11)
 Max Grav 2=1045(LC 3), 7=992(LC 3)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=1216/37, 3-4=-923/121, 4-5=-585/138, 5-6=-921/120, 6-7=-1207/39
 BOT CHORD 2-12=-71/906, 10-12=-71/906, 9-10=-11/645, 8-9=0/795, 7-8=0/795
 WEBS 3-10=-385/158, 4-10=-55/424, 5-9=-52/393, 6-9=-384/161

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 2, 7.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



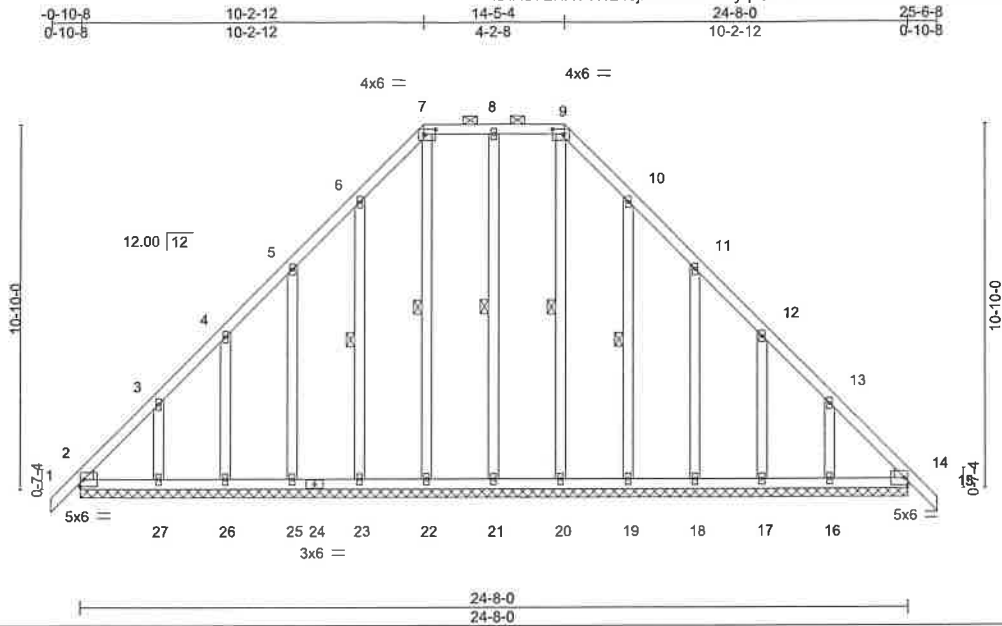
818 Soundside Road
 Edenton, NC 27932

Job DO210810	Truss CT3GE	Truss Type GABLE	Qty 1	Ply 1	BLACK CREEK Job Reference (optional)	I47453453
-----------------	----------------	---------------------	----------	----------	---	-----------

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MITek Industries, Inc. Fri Aug 13 12:50:58 2021 Page 1

ID:XdVEHXV1W240jKARFW0Pu1yqv8U-vdBDS?kK7EwDYMJAC7h3A8Lqz2ol3Rs1XLvrxZyoFpx



Scale = 1:65.3

Plate Offsets (X,Y)- [7:0-4-4,0-1-12], [9:0-4-4,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.08	in (loc) l/defl L/d	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.06	Vert(LL) 0.00 14 n/r 120		
TCDL 10.0	Lumber DOL 1.15	WB 0.11	Vert(CT) 0.00 14 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.01 14 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 201 lb	FT = 6%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 7-9.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 8-21, 7-22, 6-23, 9-20, 10-19

REACTIONS. All bearings 24-8-0.
(lb) - Max Horz 2=-216(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 2, 21, 23, 25, 26, 19, 18, 17, 14 except 27=-108(LC 10), 16=-104(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 2, 21, 22, 23, 25, 26, 27, 20, 19, 18, 17, 14, 16

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=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 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.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); PF=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 2, 21, 23, 25, 26, 19, 18, 17, 14 except (t=lb) 27=108, 16=104.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



August 18, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
Edenton, NC 27932

Job DO210810	Truss CT4	Truss Type Piggyback Base Structural Gable COMMON	Qty 5	Ply 1	BLACK CREEK	147453454
-----------------	--------------	--	----------	----------	-------------	-----------

Truss Builders, Inc., Morrisville, NC - 27560.

8.430 s Jun 2 2021 MiTek Industries, inc. Fri Aug 13 12:50:59 2021 Page 1

ID:XdVEHXV1W240jKARFW0Pu1yqv8U-NplbflYyY249WuMlqDjLutNSzJqQSAm?OT?yoFpw



Scale: 3/16"=1'

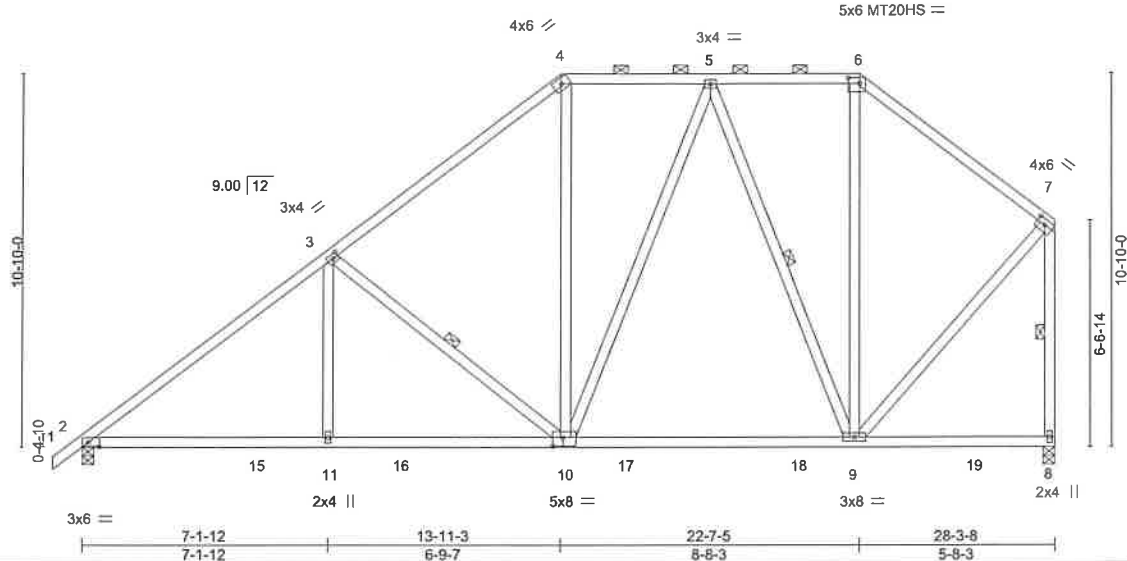


Plate Offsets (X,Y)- [2:0-3-13,0-1-8], [3:0-1-12,0-1-8], [6:0-4-0,0-2-0], [7:0-3-0,0-1-12], [10:0-3-8,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL 2-0-0	TC 0.61	Vert(LL) -0.23	9-10	>999	240	MT20	244/190
Snow (Pf) 15.0	Lumber DOL 1.15	BC 0.74	Vert(CT) -0.35	9-10	>957	180	MT20HS	187/143
TCDL 10.0	Rep Stress Incr YES	WB 0.35	Horz(CT) 0.04	8	n/a	n/a		
BCLL 0.0 *	Code IBC2015/TPI2014	Matrix-MR						
BCDL 10.0							Weight: 198 lb	FT = 6%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-9-10 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-10, 5-9, 7-8

REACTIONS.

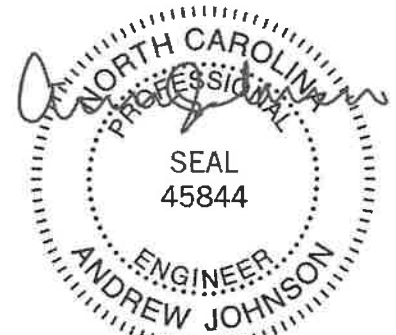
(size) 2=0-4-0, 8=0-4-0
Max Horz 2=277(LC 9)
Max Uplift 2=50(LC 10), 8=14(LC 11)
Max Grav 2=1188(LC 22), 8=1179(LC 3)

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

TOP CHORD 2-3=1607/78, 3-4=1115/125, 4-5=805/153, 5-6=530/98, 6-7=739/100, 7-8=1099/39
BOT CHORD 2-11=114/1322, 10-11=114/1322, 9-10=87/702
WEBS 3-11=0/288, 3-10=615/161, 4-10=0/329, 5-10=63/371, 5-9=520/102, 7-9=26/767

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 2, 8.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



August 18, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20687



818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	
DO210810	CT5	Piggyback Base	1	1		147453455

Truss Builders, Inc., Morrisville, NC - 27560, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:51:00 2021 Page 1
 ID:XdVEHXV1W240jKARFW0Pu1yqv8U-r0JzthmafrBxngTYJYkXGZRySslAXDwJ?IOx?RyoFpv

-0-10-8	7-3-3	14-4-0	21-3-0	28-3-13	29-1-8	35-6-1	42-3-0	43-1-8
0-10-8	7-3-3	7-0-13	6-11-1	7-0-13	0-9-11	6-4-9	6-8-15	0-10-8

Scale = 1:77.1

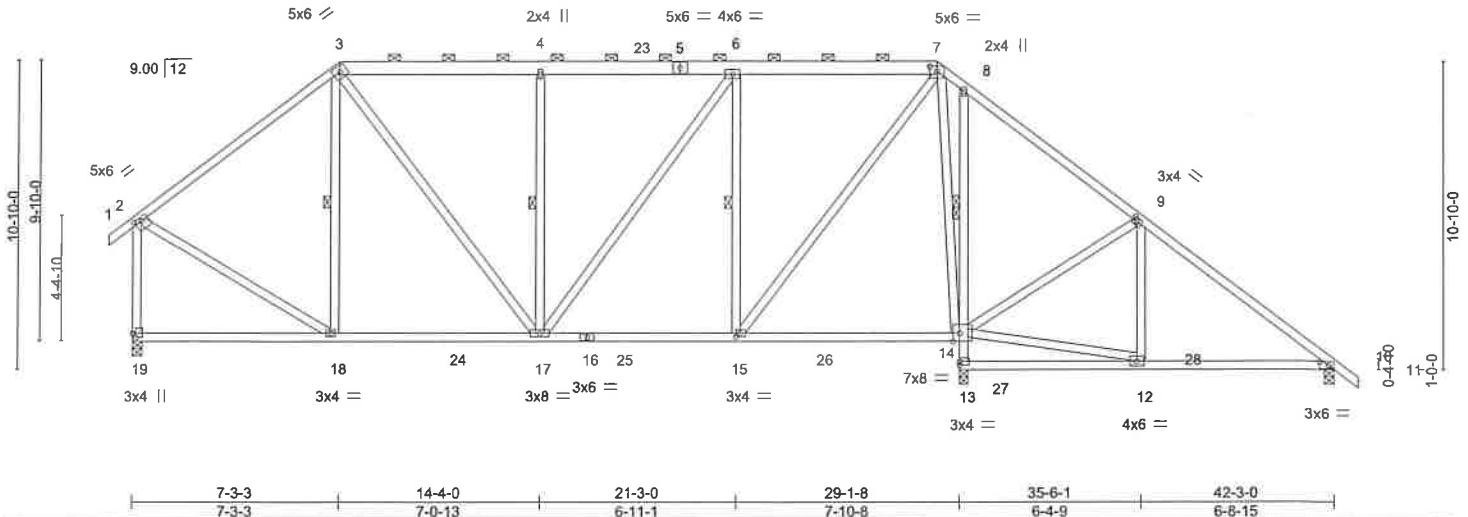


Plate Offsets (X,Y) - [2:0-3-0,0-1-8], [7:0-3-0,0-2-2], [9:0-1-12,0-1-8], [10:0-3-13,0-1-8], [14:0-2-12,Edge], [15:0-1-12,0-1-8], [19:0-1-12,0-1-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.91	Vert(LL)	-0.10 17-18	>999	240	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.17 14-15	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.02 13	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-MR							
BCDL	10.0									Weight: 319 lb	FT = 6%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 5-7,3-5: 2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-2-8 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-7.
BOT CHORD	2x4 SP No.2 *Except* 8-13: 2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-11-1 oc bracing: 13-14 6-0-0 oc bracing: 12-13.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt 8-14 1 Row at midpt 4-17, 6-15, 7-14, 3-18

REACTIONS. (size) 13=0-3-8, 10=0-4-0, 19=0-4-0
 Max Horz 19=248(LC 8)
 Max Uplift 13=31(LC 11), 10=61(LC 11), 19=71(LC 10)
 Max Grav 13=1835(LC 3), 10=519(LC 27), 19=1219(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=976/106, 3-4=933/132, 4-6=932/131, 6-7=757/132, 9-10=505/94,
 2-19=1149/104
 BOT CHORD 17-18=121/762, 15-17=126/756, 13-14=1789/70, 8-14=332/119, 10-12=0/325
 WEBS 4-17=440/152, 6-17=56/328, 6-15=721/157, 7-15=81/1150, 7-14=1061/137,
 12-14=0/448, 9-14=506/153, 3-17=139/431, 2-18=46/765

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- TCCL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 13, 10, 19.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20687

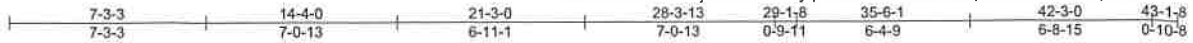
ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job DO210810	Truss CT5A	Truss Type Piggyback Base	Qty 2	Ply 1	BLACK CREEK	147453456
-----------------	---------------	------------------------------	----------	----------	-------------	-----------

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MITek Industries, Inc. Fri Aug 13 12:51:01 2021 Page 1

ID:XdVEHXV1W240JKARFW0Pu1yqv8U-JCL41nCQ9JnPq2lRFFmomz6QGdpGbHTDJ8VXuyofPu



Scale = 1:80.8

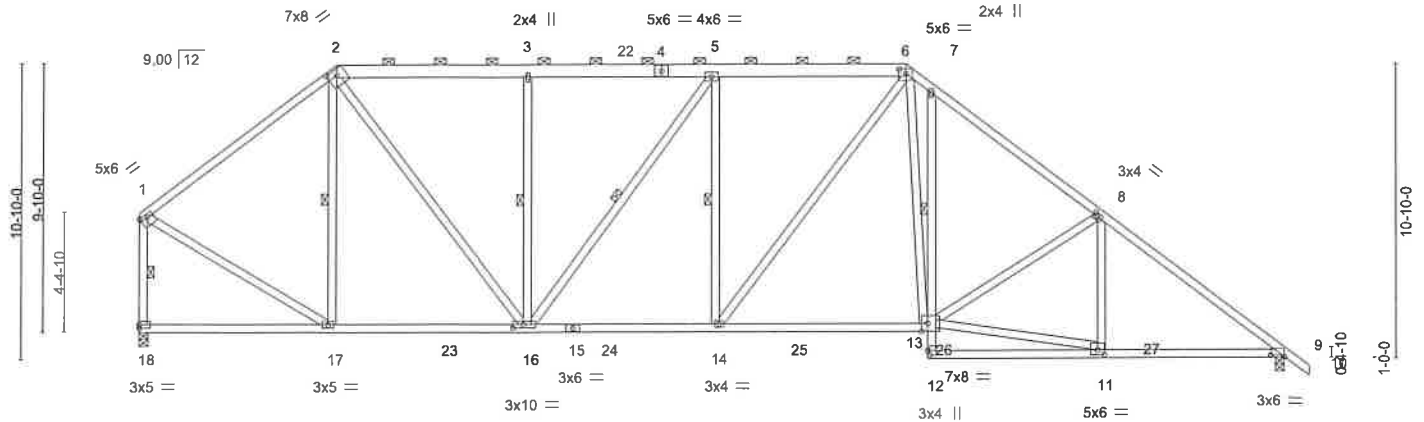


Plate Offsets (X,Y)- [1:Edge,0-1-8], [2:0-4-0,0-2-8], [6:0-3-0,0-2-2], [8:0-1-12,0-1-8], [9:0-6-0,0-0-10], [11:0-3-0,0-2-0], [12:0-2-0,0-0-12], [13:0-2-12,Edge], [16:0-4-12,0-1-8]

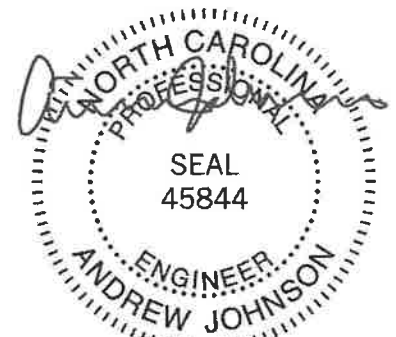
LOADING (psf)	SPACING -	CSI	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.96	in (loc) l/defl L/d	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.87	Vert(LL) -0.19 13-14 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.84	Vert(CT) -0.38 13-14 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MR	Horz(CT) 0.11 9 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 317 lb	FT = 6%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 2-4,4-6: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-11-11 oc purlins, except end verticals, and 2-0-0 oc purlins (5-0-15 max.): 2-6.
BOT CHORD 2x4 SP No.2 *Except* 7-12: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 11-12.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 7-13 1 Row at midpt 3-16, 5-16, 5-14, 1-18, 2-17
REACTIONS. (size) 18=0-4-0, 9=0-4-0 Max Horz 18=251(LC 6) Max Uplift 18=33(LC 10), 9=82(LC 11) Plate DOL=1.15; Category II; Exp B; Fully Exp.; Ct=1.10 Max Grav 18=1695(LC 3), 9=1737(LC 2)	

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1492/74, 2-3=-1764/93, 3-5=-1763/92, 5-6=-1991/151, 6-7=-2195/231,
7-8=-2346/159, 8-9=-2522/127, 1-18=-1636/65
BOT CHORD 16-17=-82/1125, 14-16=-17/1989, 13-14=0/1726, 9-11=0/1950
WEBS 3-16=-450/151, 5-16=-400/99, 5-14=-258/205, 6-14=-140/527, 6-13=-109/828,
11-13=0/2017, 8-13=-288/150, 2-17=-464/110, 1-17=-38/1239, 2-16=-121/1125

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 18, 9.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



August 18, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 Rev. 5/19/2020 BEFORE USE.

Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



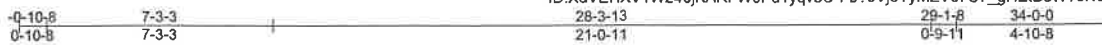
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	147453457
DO210810	CT5GE	GABLE	1	1		

Truss Builders, Inc., Morrisville, NC - 27560,

6.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:51:03 2021 Page 1

ID:XdVEHXV1W240jKARFW0Pu1yqv8U-Fb?6VjoTymZVe7C7_gHEtB3W?3N6kgVmhdccmoyFps



Scale = 1:70.0

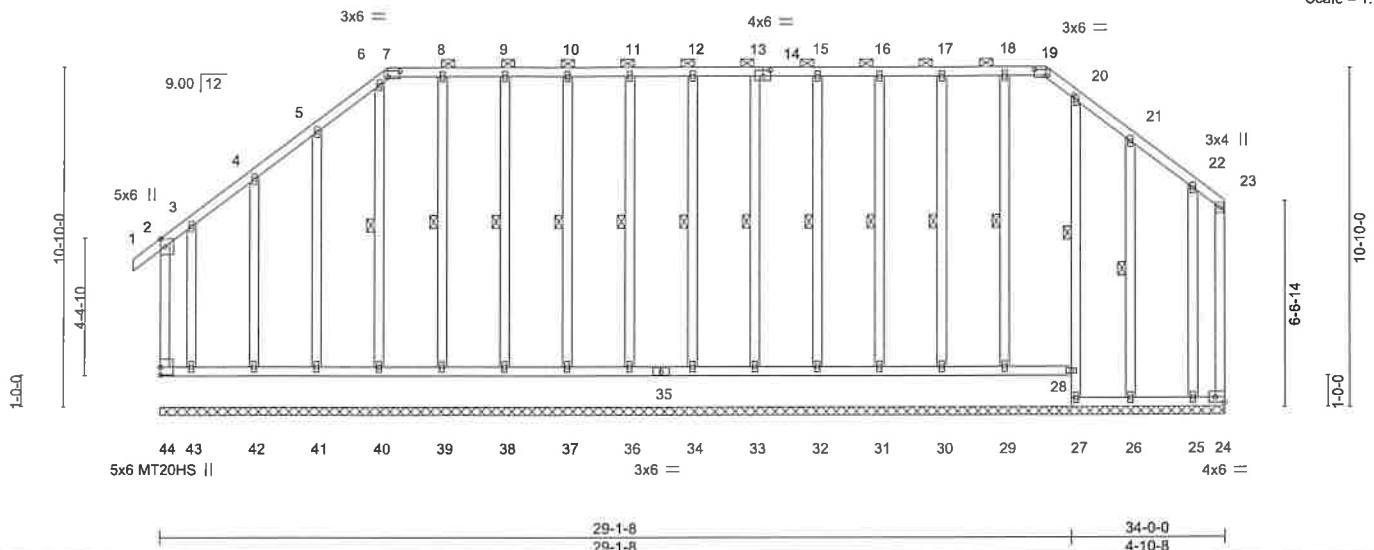


Plate Offsets (X,Y)- [2:0-3-0,0-1-12], [7:0-4-8,0-2-4], [14:0-2-12,0-2-4], [19:0-4-8,0-2-4], [20:0-2-0,0-0-12], [24:Edge,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.76	in (loc) l/defl L/d	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.56	Vert(LL) 0.00 1 n/r 120	MT20HS	187/143
TCDL 10.0	Lumber DOL 1.15	WB 0.15	Vert(CT) -0.00 2 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R	Horz(CT) -0.01 24 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 338 lb	FT = 6%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-19.
BOT CHORD 2x4 SP No.2 *Except* 20-27: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 27-28.
WEBS 2x4 SP No.2 *Except* 23-24: 2x4 SP No.3	WEBS 1 Row at midpt 20-28
OTHERS 2x4 SP No.3	1 Row at midpt 12-34, 11-36, 10-37, 9-38, 8-39, 6-40, 13-33, 15-32, 16-31, 17-30, 18-29, 21-26

REACTIONS. All bearings 34-0-0.
 (lb) - Max Horz 44=265(LC 9)
 Max Uplift All uplift 100 lb or less at joint(s) 27, 34, 36, 37, 38, 39, 40, 41, 42, 33, 32, 31, 30, 29, 26 except 44=634(LC 6), 24=309(LC 7), 43=733(LC 7), 25=290(LC 6)
 Max Grav All reactions 250 lb or less at joint(s) 27, 34, 36, 37, 38, 39, 40, 41, 42, 33, 32, 31, 30, 29, 26, 28 except 44=774(LC 9), 24=291(LC 8), 43=742(LC 8), 25=435(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-44=383/299, 2-3=-307/257
 WEBS 3-43=-299/313

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 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.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); PF=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) 28 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify compression bearing surface.



August 18, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-69 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	I47453457
DO210810	CT5GE	GABLE	1	1	Job Reference (optional)	

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:51:03 2021 Page 2
 ID:XdVEHXV1W240jKARFW0Pu1yqv8U-Fb76VjoTymZVe7C7_gHEIB3W73N6kgVmhddccmyoFps

NOTES-

- 15) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 27, 34, 36, 37, 38, 39, 40, 41, 42, 33, 32, 31, 30, 29, 26 except (jt=lb) 44=634, 24=309, 43=733, 25=290.
- 16) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 44, 34, 36, 37, 38, 39, 40, 41, 42, 43, 33, 32, 31, 30, 29.
- 17) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



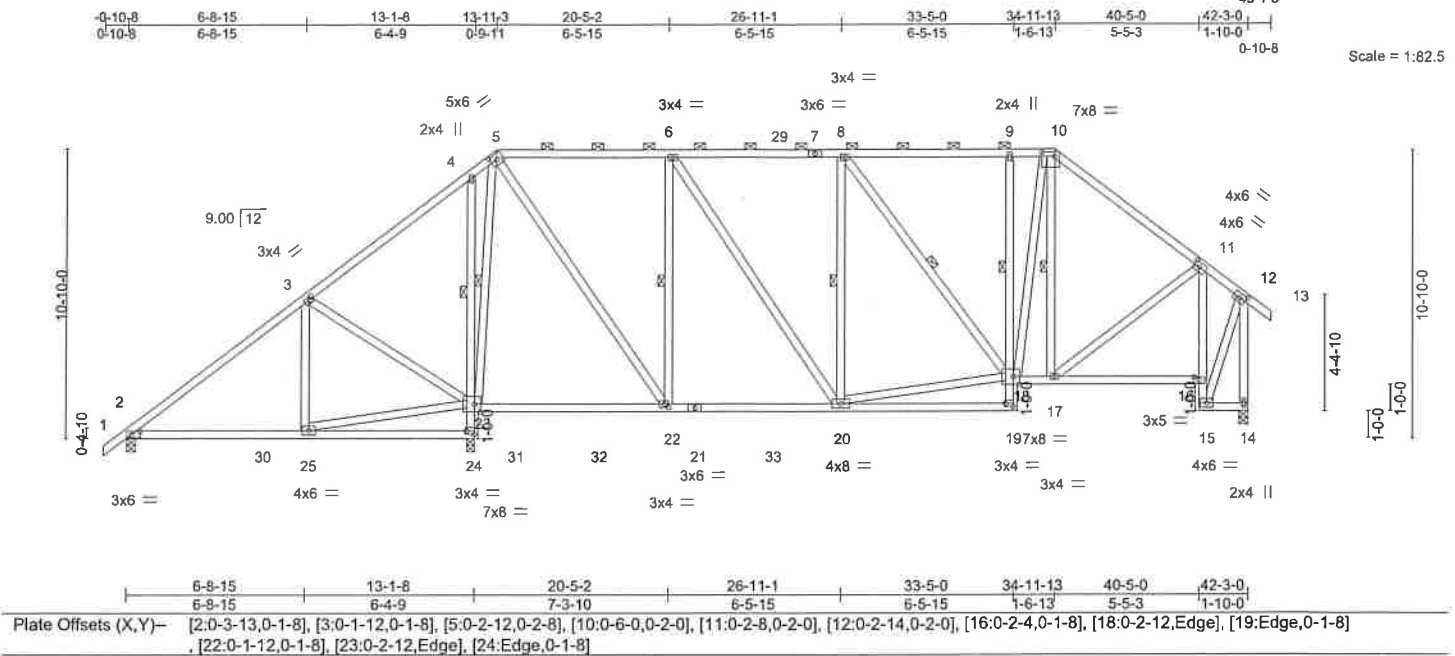
818 Soundside Road
 Edenton, NC 27932

Job DO210810	Truss CT6	Truss Type Piggyback Base	Qty 2	Ply 1	BLACK CREEK Job Reference (optional)	147453458
-----------------	--------------	------------------------------	----------	----------	---	-----------

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MITek Industries, Inc. Fri Aug 13 12:51:05 2021 Page 1
ID:XdVEHXV1W240jKARFW0Pu1yqv8U-Bz6swOqjUOpDIRLW65Jizc8vF1?JCUY38x6igfyoFpq

Scale = 1:82.5



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.52	in (loc) l/defl L/d	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.77	Vert(LL) -0.07 20-22 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.56	Vert(CT) -0.13 22-23 >999 180		
BCLL 0.0	Rep Stress Incr YES	Matrix-MR	Horz(CT) 0.07 14 n/a n/a		
BCDL 10.0	Code IBC2015/TFP2014			Weight: 345 lb	FT = 6%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-4-12 oc purlins, except end verticals, and 2-0-0 oc purlins (5-10-7 max.); 5-10.
BOT CHORD 2x4 SP No.2 *Except* 4-24, 9-19, 11-15: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 3-2-8 oc bracing. Except: 1 Row at midpt 4-23, 9-18
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-23, 6-22, 8-20, 8-18, 10-17

REACTIONS. (size) 2=0-4-0, 24=0-3-8, 14=0-4-0
 Max Horz 2=248(LC 9)
 Max Uplift 2=-12(LC 10), 24=-96(LC 10), 14=-63(LC 11)
 Max Grav 2=486(LC 26), 24=1838(LC 3), 14=1200(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-451/32, 3-4=-54/302, 5-6=-646/147, 6-8=-869/151, 8-9=-815/140, 9-10=808/137,
 10-11=1026/116, 11-12=-464/59, 12-14=-1277/69
 BOT CHORD 2-25=90/334, 23-24=-1792/134, 4-23=-288/122, 20-22=-104/646, 9-18=-270/115,
 17-18=34/737, 16-17=-47/400, 15-16=-784/71, 11-16=-748/106
 WEBS 3-25=0/257, 23-25=-79/469, 3-23=-503/139, 5-23=-1186/88, 5-22=-51/1090,
 6-22=-752/128, 6-20=-68/419, 8-20=-332/137, 18-20=-121/709, 10-18=-138/447,
 11-17=-51/422, 12-15=-62/950

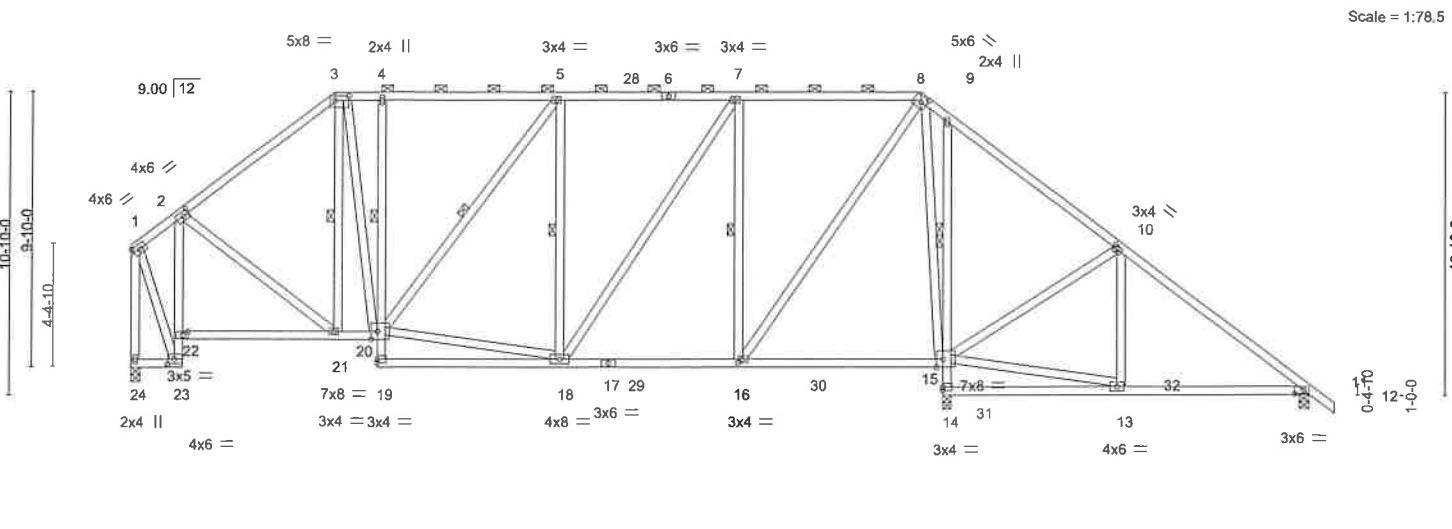
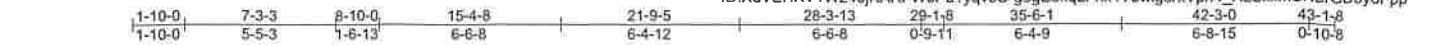
NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 2, 24, 14.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSIT/PH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601</p>	<p>ENGINEERING BY TRENCO A Mit Tek Affiliate 818 Soundside Road Edenton, NC 27932</p>
--	---

Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	
DO210810	CT6A	Piggyback Base	2	1		147453459
Truss Builders, Inc., Morrisville, NC - 27560,					8.430 s Jun 2 2021 MiTek Industries, Inc, Fri Aug 13 12:51:06 2021 Page 1	
					ID:XdVEHXV1W240jKARFW0Pu1yqv8U-g9gE8kqLFhx4VbwigarxVph4_HLSxxmCNbrGD5yoFpp	
					Job Reference (optional)	



1-10-0	7-3-3	8-10-0	15-4-8	21-9-5	29-1-8	35-6-1	42-3-0	43-1-8
1-10-0	5-5-3	1-6-13	6-6-8	6-4-12	6-6-8	0-9-11	6-4-9	6-8-15

Plate Offsets (X,Y) - [2:0-2-12,0-2-0], [3:0-6-0,0-2-0], [8:0-2-8,0-2-8], [10:0-1-12,0-1-8], [11:0-3-13,0-1-8], [15:0-2-12,Edge], [16:0-1-12,0-1-8], [20:0-2-12,Edge], [22:0-2-4,0-1-8], [23:0-2-12,0-2-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	-0.07 15-16 >999	240	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.13 15-16 >999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.07 14 n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	Matrix-MR						
BCDL	10.0									Weight: 344 lb FT = 6%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-4-11 oc purlins, except end verticals, and 2-0-0 oc purlins (5-10-6 max.); 3-8.
BOT CHORD 2x4 SP No.2 *Except* 2-23,4-19,9-14: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 3-2-2 oc bracing. Except: 1 Row at midpt 4-20, 9-15
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 3-21, 5-20, 5-18, 7-16, 8-15

REACTIONS. (size) 24=0-4-0, 14=0-3-8, 11=0-4-0

Max Horz 24=252(LC 6)

Max Uplift 24=58(LC 10), 14=12(LC 11), 11=73(LC 11)

Max Grav 24=1138(LC 26), 14=1838(LC 3), 11=487(LC 27)

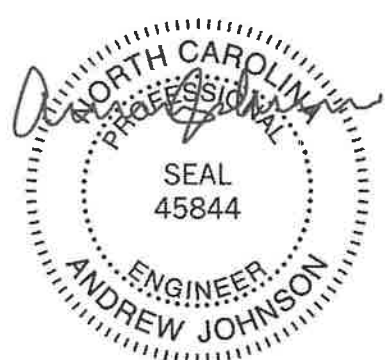
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=463/67, 2-3=-1030/113, 3-4=-811/133, 4-5=-818/136, 5-7=-870/124, 7-8=-650/145, 9-10=0/283, 10-11=-451/113, 1-24=-1216/63

BOT CHORD 22-23=-794/103, 2-22=-758/135, 21-22=-160/499, 20-21=-128/750, 4-20=-275/115, 16-18=-111/650, 14-15=-1792/51, 9-15=-281/116, 11-13=0/282

WEBS 2-21=-90/417, 3-20=-192/449, 18-20=-161/708, 5-18=-332/129, 7-18=-58/418, 7-16=-749/149, 8-16=-78/1088, 8-15=-1190/161, 13-15=0/395, 10-15=-513/151, 10-13=0/257, 1-23=-70/962

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; can/liever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 24, 14, 11.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

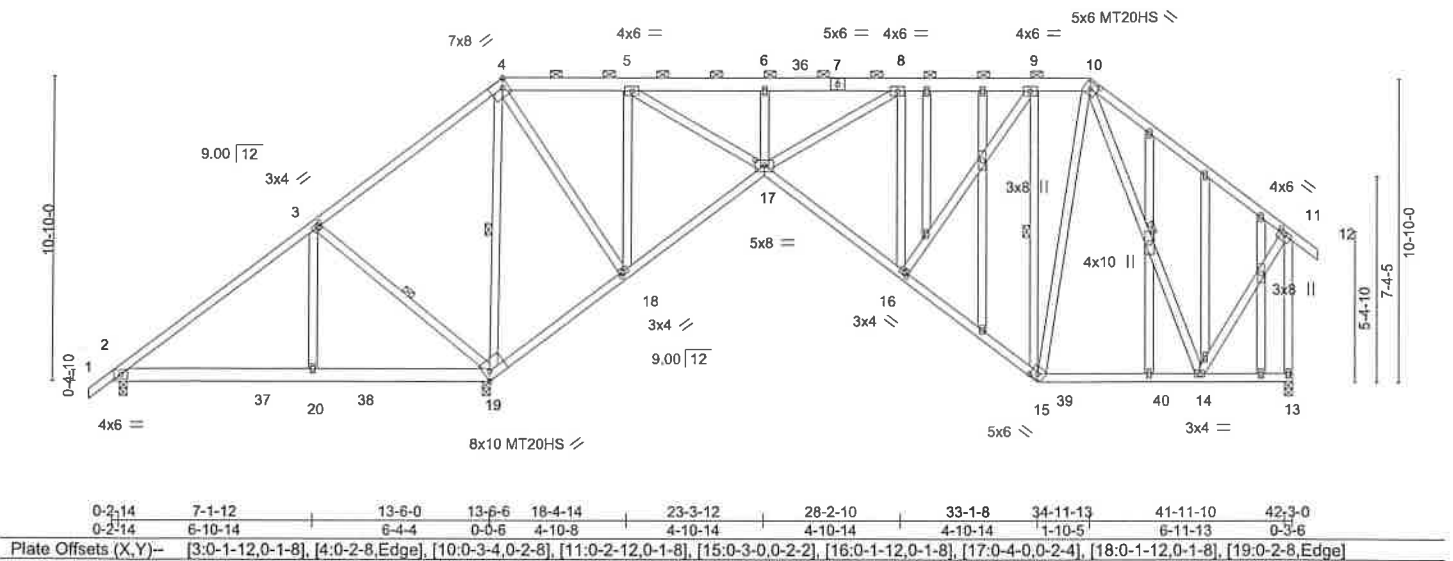


Job DO210810	Truss CT14	Truss Type GABLE Gable I Gable COMMON	Qty 1	Ply 1	BLACK CREEK	147453460
Truss Builders, Inc., Morrisville, NC - 27560.						Job Reference (optional)

8.430 s Jun 2 2021 MITek Industries, Inc. Fri Aug 13 12:50:42 2021 Page 1
ID:XdVEHXV1W240jKARFW0Pu1yqv8U-NYDA5XYHuJvUdv55GmPJXmhuocGJJ?qgss1?NUyoFqB

0-10-8	7-1-12	13-11-3	18-4-14	23-3-12	28-2-10	33-1-8	34-11-13	42-3-0	43-1-8
0-10-8	7-1-12	6-9-7	4-5-11	4-10-14	4-10-14	4-10-14	1-10-5	7-3-3	0-10-8

Scale = 1:78.4



0-2-14	7-1-12	13-6-0	13-6-6	18-4-14	23-3-12	28-2-10	33-1-8	34-11-13	41-11-10	42-3-0
0-2-14	6-10-14	6-4-4	0-0-6	4-10-8	4-10-14	4-10-14	4-10-14	1-10-5	6-11-13	0-3-6

LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.92	in (loc) l/defl L/d	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.36	Vert(LL) -0.06 14-15 >999 240	MT20HS	187/143
TCDL 10.0	Lumber DOL 1.15	WB 0.88	Vert(CT) -0.11 16-17 >999 180		
BCLL 0.0	Rep Stress Incr YES	Matrix-MR	Horz(CT) 0.10 13 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 386 lb	FT = 6%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 7-10,4-7; 2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.); 4-10.
BOT CHORD	2x4 SP No.2 *Except* 2-19; 2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 5-10-0 oc bracing.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt 3-19, 4-19, 10-14, 9-15
OTHERS	2x4 SP No.3		

REACTIONS. (size) 2=0-3-8, 19=0-3-8, 13=0-3-8
 Max Horz 2=269(LC 9)
 Max Uplift 2=334(LC 27), 19=167(LC 7), 13=69(LC 11)
 Max Grav 2=190(LC 9), 19=2628(LC 2), 13=913(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=278/824, 3-4=188/1164, 4-5=45/363, 5-6=642/77, 6-8=642/77, 8-9=630/134,
 9-10=425/136, 10-11=497/122, 11-13=875/61
 BOT CHORD 2-20=623/209, 19-20=623/209, 18-19=996/110, 17-18=481/96, 16-17=92/817,
 15-16=53/569, 14-15=27/406
 WEBS 3-20=0/321, 3-19=622/152, 4-19=1614/214, 6-17=293/91, 5-18=892/136,
 8-16=331/128, 4-18=62/789, 5-17=110/1136, 10-14=345/33, 11-14=0/490,
 9-15=417/148, 9-16=57/343, 10-15=62/255

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 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.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 13 except (it=lb) 2=334, 19=167.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



August 18, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

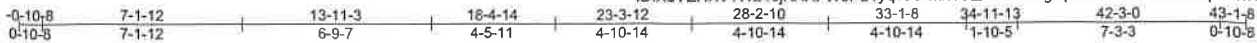
TRENCO ENGINEERING BY
 A MITek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job DO210810	Truss CT15	Truss Type PIGGYBACK BASE STRUC Gable Gable COMMON	Qty 1	Ply	BLACK CREEK	147453461
-----------------	---------------	---	----------	-----	-------------	-----------

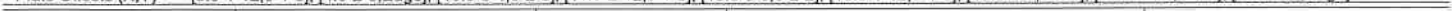
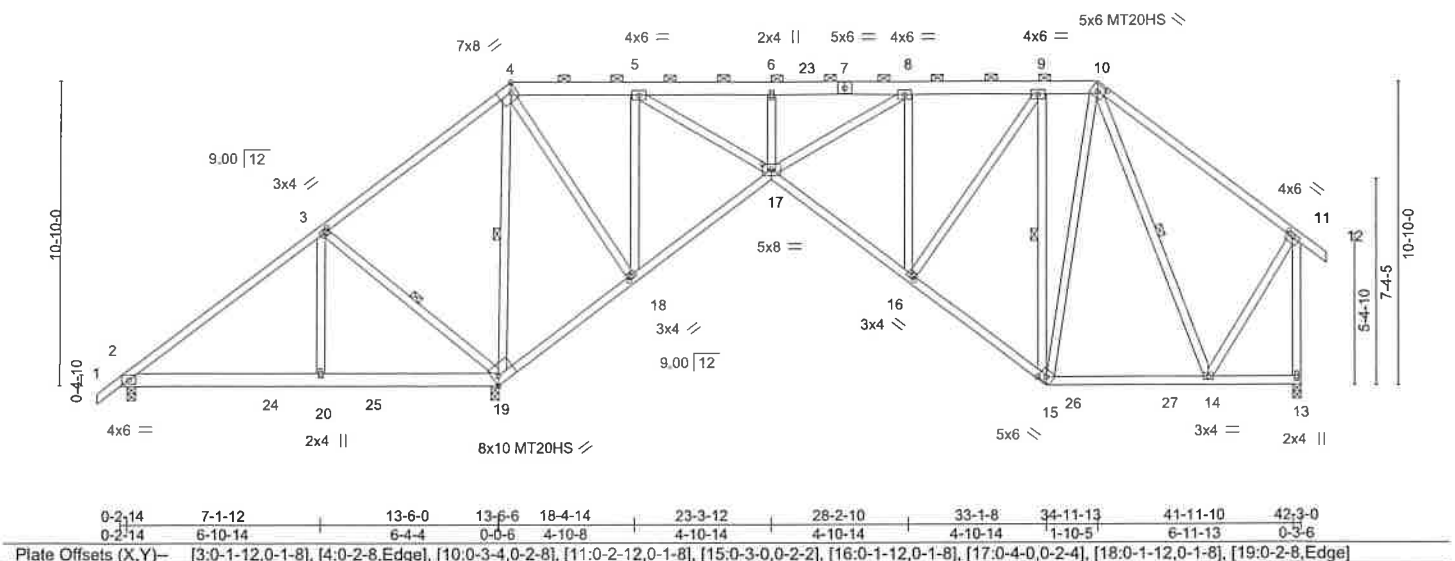
Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MITek Industries, Inc. Fri Aug 13 12:50:43 2021 Page 1

Job Reference (optional)



Scale = 1:78.4



0-2-14	7-1-12	13-6-0	13-6-6	18-4-14	23-3-12	28-2-10	33-1-8	34-11-13	41-11-10	42-3-0
0-2-14	6-10-14	6-4-4	0-0-6	4-10-8	4-10-14	4-10-14	4-10-14	1-10-5	6-11-13	0-3-6
Plate Offsets (X,Y) - [3:0-1-12,0-1-8], [4:0-2-8,Edge], [10:0-3-4,0-2-8], [11:0-2-12,0-1-8], [15:0-3-0,0-2-2], [16:0-1-12,0-1-8], [17:0-4-0,0-2-4], [18:0-1-12,0-1-8], [19:0-2-8,Edge]										
LOADING (psf)	SPACING	2-0-0	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof) 20.0	Plate Grip DOL 1.15	TC 0.92	Vert(LL) -0.06	14-15	>999	240	MT20	244/190		
Snow (Pf) 15.0	Lumber DOL 1.15	BC 0.36	Vert(CT) -0.11	16-17	>999	180	MT20HS	187/143		
TCDL 10.0	Rep Stress Incr YES	WB 0.88	Horz(CT) 0.10	13	n/a	n/a				
BCLL 0.0 *	Code IBC2015/TPI2014	Matrix-MR								
BCDL 10.0										
								Weight: 334 lb		FT = 6%

LUMBER-	BRACING-	
TOP CHORD 2x4 SP No.2 *Except* 7-10,4-7: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-10.	
BOT CHORD 2x4 SP No.2 *Except* 2-19: 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-10-0 oc bracing.	
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 3-19, 4-19, 10-14, 9-15	

REACTIONS.	(size) 2=0-3-8, 19=0-3-8, 13=0-3-8
	Max Horz 2=269(LC 9)
	Max Uplift 2=334(LC 27), 19=167(LC 7), 13=69(LC 11)
	Max Grav 2=190(LC 9), 19=2628(LC 2), 13=913(LC 27)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=278/824, 3-4=-188/1164, 4-5=-45/363, 5-6=-642/77, 6-8=-642/77, 8-9=-630/134, 9-10=-425/136, 10-11=-497/122, 11-13=-875/61
BOT CHORD	2-20=623/209, 19-20=-623/209, 18-19=-996/110, 17-18=-481/96, 16-17=-92/817, 15-16=-53/569, 14-15=-27/406
WEBS	3-20=0/321, 3-19=-622/152, 4-19=-1614/214, 6-17=-293/91, 5-18=-892/136, 8-16=-331/128, 4-18=-62/789, 5-17=-110/1136, 10-14=-345/33, 11-14=0/490, 9-15=-417/148, 9-16=-57/343, 10-15=-62/255

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) All plates are MT20 plates unless otherwise indicated.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13 except (jt=16) 2=334, 19=167.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



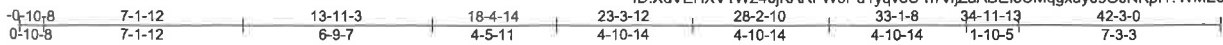
August 18, 2021

Job DO210810	Truss CT16	Truss Type PIGGYBACK BASE STRUC Gable able I Gable COMMON	Qty 1	Ply 1	BLACK CREEK	147453462
-----------------	---------------	--	----------	----------	-------------	-----------

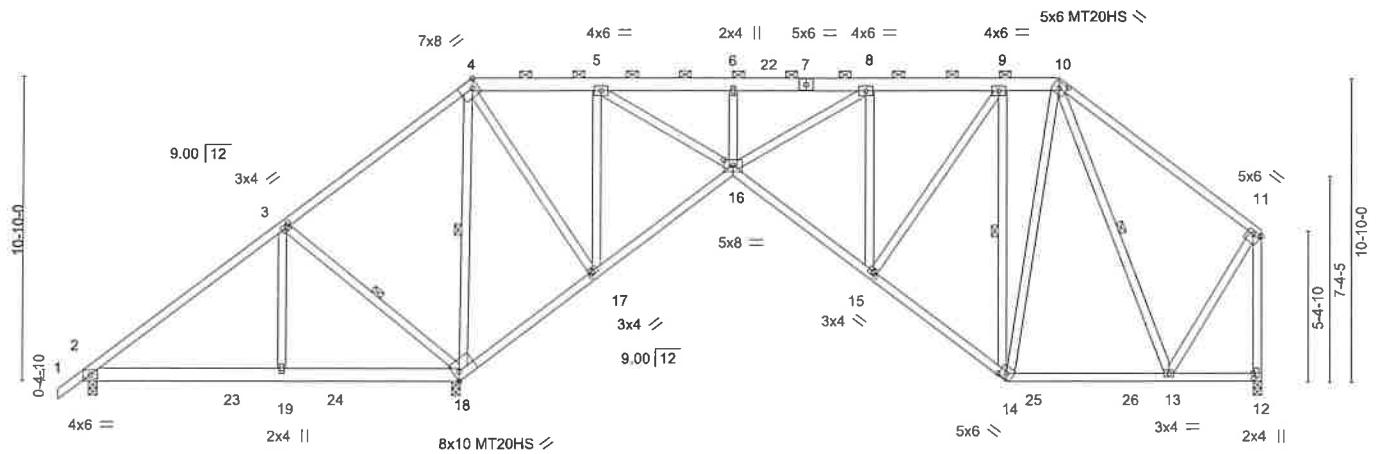
Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MITek Industries, Inc. Fri Aug 13 12:50:45 2021 Page 1

ID:XdVEHXV1W240jKARFw0Pu1yqv8U-n7vljZaABEi3UMqgxyu90JNKpH?WMZ6YqGf_pyoFq8



Scale = 1:78.4



0-2-14	7-1-12	13-6-0	13-6-6	18-4-14	23-3-12	28-2-10	33-1-8	34-11-13	41-11-10	42-3-0
0-2-14	6-10-14	6-4-4	0-0-6	4-10-8	4-10-14	4-10-14	4-10-14	1-10-5	6-11-13	0-3-6

Plate Offsets (X,Y) [3:0-1-12,0-1-8], [4:0-2-8,Edge], [10:0-3-4,0-2-8], [11:Edge,0-1-8], [12:0-2-0,0-0-8], [14:0-3-0,0-2-2], [15:0-1-12,0-1-8], [16:0-4-0,0-2-4], [17:0-1-12,0-1-8], [18:0-2-8,Edge]

LOADING (psf)	SPACING-	CSL.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.97	in (loc) l/defl L/d	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.36	Vert(LL) -0.06 13-14 >999 240	MT20HS	187/143
TCDL 10.0	Lumber DOL 1.15	WB 0.88	Vert(CT) -0.11 15-16 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MR	Horz(CT) 0.10 12 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 332 lb	FT = 6%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 7-10,4-7: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-10.
BOT CHORD 2x4 SP No.2 *Except* 2-18: 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-10-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 3-18, 4-18, 10-13, 9-14

REACTIONS. (size) 2=0-3-8, 18=0-3-8, 12=0-3-8
 Max Horz 2=264(LC 9)
 Max Uplift 2=334(LC 27), 18=172(LC 7), 12=52(LC 11)
 Max Grav 2=187(LC 9), 18=2629(LC 2), 12=851(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-284/823, 3-4=-194/1164, 4-5=-49/362, 5-6=-645/77, 6-8=-645/77, 8-9=-632/127, 9-10=-427/125, 10-11=-496/113, 11-12=-810/43
 BOT CHORD 2-19=-623/207, 18-19=-623/207, 17-18=-996/108, 16-17=-480/91, 15-16=-96/820, 14-15=-56/572, 13-14=-37/409
 WEBS 3-19=0/321, 3-18=-622/152, 4-18=-1615/220, 6-16=-293/91, 5-17=-894/138, 8-15=-332/129, 4-17=-64/791, 5-16=-114/1139, 10-13=-345/39, 11-13=0/487, 9-14=-416/149, 9-15=-58/344, 10-14=-61/254

- NOTES-
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 12 except (jt=lb) 2=334, 18=172.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



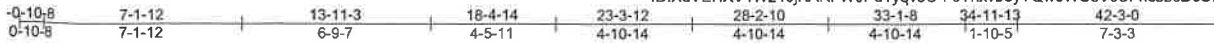
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITek REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITPP Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20687</p>	 818 Soundside Road Edenton, NC 27932
--	---

Job DO210810	Truss CT17	Truss Type PIGGYBACK BASE STRUC Gable able I Gable COMMON I	Qty 1	Ply 1	BLACK CREEK	147453463
-----------------	---------------	--	----------	----------	-------------	-----------

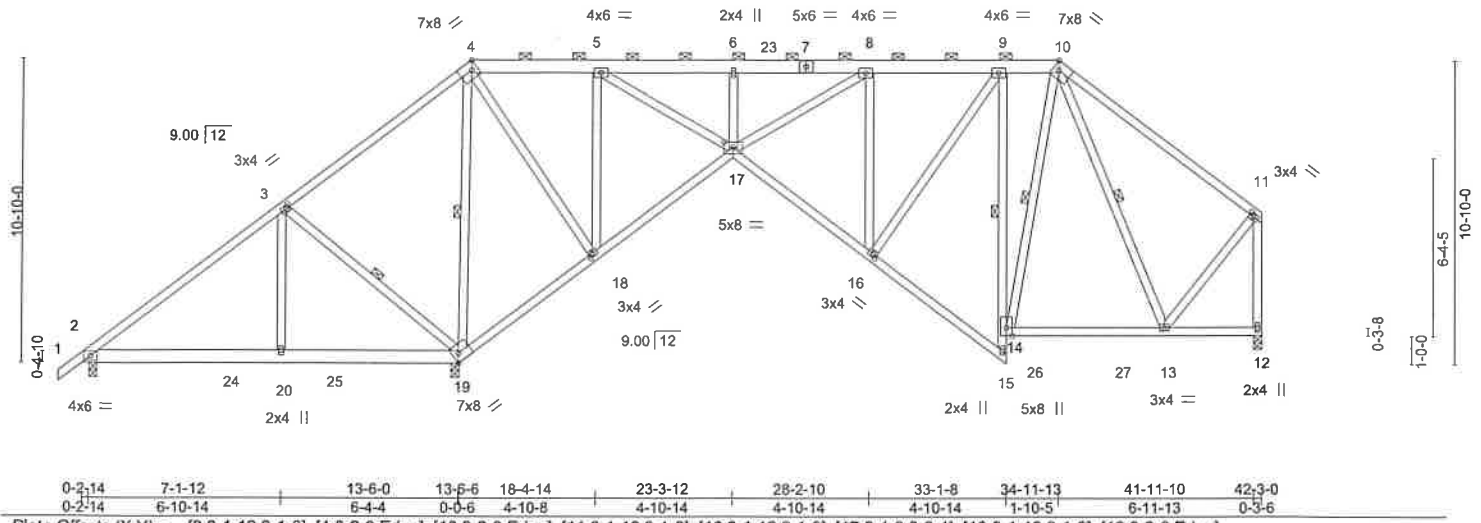
Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MITek Industries, Inc. Fri Aug 13 12:50:46 2021 Page 1

ID:XdVEHXV1W240|KARFW0Pu1yqv8U-FJThxvboyYQw6W0sVcUFHcsbcDcCFo6GnU?CWfYofQ7



Scale = 1:78.4



0-2-14	7-1-12	13-6-0	13-6-6	18-4-14	23-3-12	28-2-10	33-1-8	34-11-13	41-11-10	42-3-0
0-2-14	6-10-14	6-4-4	0-0-6	4-10-8	4-10-14	4-10-14	4-10-14	1-10-5	6-11-13	0-3-6

Plate Offsets (X,Y) - [3:0-1-12,0-1-8], [4:0-2-8,Edge], [10:0-2-8,Edge], [11:0-1-12,0-1-8], [16:0-1-12,0-1-8], [17:0-4-0,0-2-4], [18:0-1-12,0-1-8], [19:0-2-8,Edge]

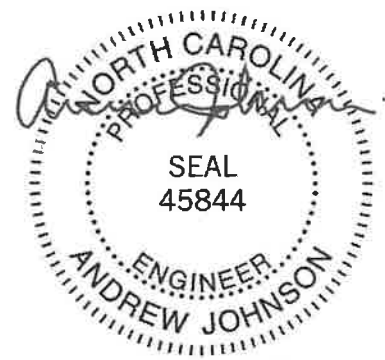
LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.81	in (loc) l/defl L/d	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.43	Vert(LL) -0.10 13-14 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.93	Vert(CT) -0.19 13-14 >999 180		
BCLL 0.0	Rep Stress Incr YES	Matrix-MR	Horz(CT) 0.22 12 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 327 lb	FT = 6%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 7-10,4-7: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.); 4-10.
BOT CHORD 2x4 SP No.2 *Except* 2-19: 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-1-10 oc bracing.
WEBS 2x4 SP No.3 *Except* 9-15: 2x4 SP No.1D	WEBS 1 Row at midpt 3-19, 4-19, 9-15, 10-14, 10-13

REACTIONS. (size) 2=0-3-8, 19=0-3-8, 12=0-3-8
 Max Horz 2=241(LC 10)
 Max Uplift 2=511(LC 27), 19=114(LC 7), 12=66(LC 11)
 Max Grav 2=146(LC 6), 19=2884(LC 2), 12=765(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-212/1119, 3-4=-121/1453, 4-5=-7/651, 8-9=-464/145, 9-10=-371/152, 10-11=-437/96
 BOT CHORD 2-20=-860/201, 19-20=-860/202, 18-19=-1281/97, 17-18=-840/95, 16-17=-43/609, 15-16=-9/461, 13-14=-13/392
 WEBS 3-20=0/320, 3-19=-622/152, 4-19=-1698/155, 6-17=-291/92, 5-18=-755/129, 4-18=-56/678, 5-17=-58/883, 8-17=-428/94, 10-13=-269/63, 11-12=-749/75, 11-13=0/471

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 12 except (j=l=lb) 2=511, 19=114.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



August 18, 2021

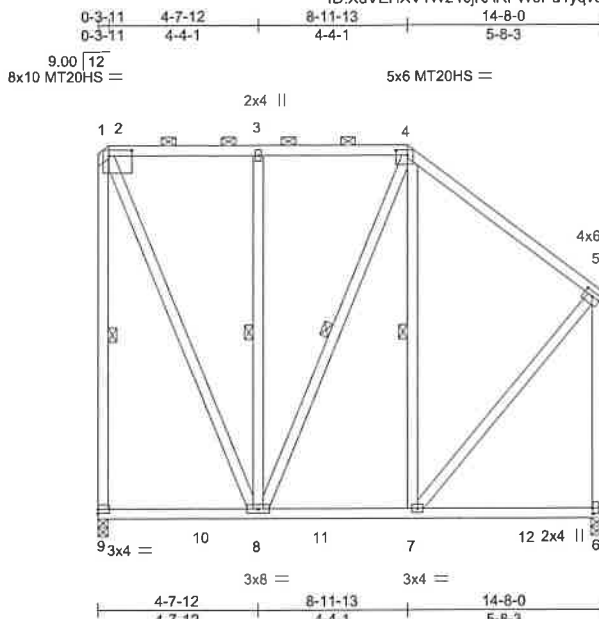
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI1-7473 (rev. 5/19/2020) BEFORE USE. Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/ITPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601</p>	<p>ENGINEERING BY TRENCO <small>A MITEK Affiliate</small></p> <p>818 Soundside Road Edenton, NC 27932</p>
---	--

Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	147453464
DO210810	CT20	Piggyback Base	4	1		

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MITek Industries, Inc. Fri Aug 13 12:50:50 2021 Page 1

ID:XdVEHXV1W240jKARFW0Pu1yqv8U-84iBnGeJ0nwLa7idkRYBsS0Jgq_TBl7ri5zQl0yoFq3



Scale: 3/16"=1'

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL	1.15	TC 0.68	Vert(LL)	-0.03	8-9	>999	MT20	244/190
Snow (Pf) 15.0	Lumber DOL	1.15	BC 0.34	Vert(CT)	-0.05	6-7	>999	MT20HS	187/143
TCDL 10.0	Rep Stress Incr	YES	WB 0.35	Horz(CT)	0.01	9	n/a		
BCLL 0.0 *	Code IBC2015/TPI2014		Matrix-MR						
BCDL 10.0								Weight: 146 lb	FT = 6%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 9=0-3-8, 6=0-4-0
 Max Horz 6=-302(LC 6)
 Max Uplift 9=-139(LC 6), 6=-31(LC 11)
 Max Grav 9=614(LC 3), 6=638(LC 23)

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

TOP CHORD 1-2=-368/92, 4-5=-347/50, 1-9=-516/133, 5-6=-531/50
 BOT CHORD 7-8=-162/277, 6-7=-269/222
 WEBS 3-8=-303/123, 2-8=-140/467, 5-7=-74/340

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are MT20 plates unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 9=139.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



August 18, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/19/2020 BEFORE USE.
 Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



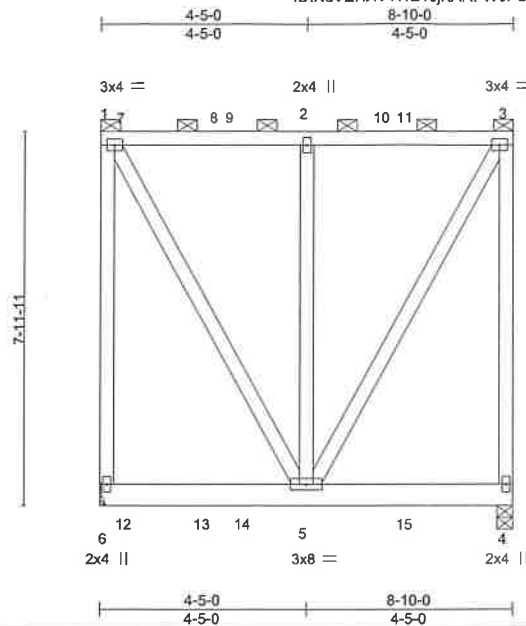
818 Soundside Road
 Edenton, NC 27932

Job DO210810	Truss FL1G	Truss Type Flat Girder	Qty 1	Ply 2	BLACK CREEK Job Reference (optional)	147453465
-----------------	---------------	---------------------------	----------	----------	---	-----------

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MITek Industries, Inc. Fri Aug 13 12:51:08 2021 Page 1

ID:XdVEHXV1W240jKARFW0Pu1yqv8U-cYo?YQsbnJBoku45nDlPaEmSI4D5P0VqvKNH_yoFpn



Scale = 1:46.8

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	1-11-4	TC 0.44	in (loc) l/defl L/d	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.06	Vert(LL) 0.01 5 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.13	Vert(CT) -0.01 5 >999 180		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MP	Horz(CT) -0.00 4 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 181 lb	FT = 6%

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

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.); 1-3, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=Mechanical, 4=0-4-0
Max Horz 6=-208(LC 6)
Max Uplift 6=-511(LC 6), 4=-608(LC 7)
Max Grav 6=810(LC 41), 4=887(LC 40)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-656/487, 3-4=-788/610
WEBS 1-5=-352/516, 2-5=-530/419, 3-5=-352/516

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=511, 4=608.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 133 lb down and 149 lb up at 0-6-0, 136 lb down and 150 lb up at 2-6-0, 136 lb down and 144 lb up at 4-6-0, 136 lb down and 150 lb up at 6-6-0, and 135 lb down and 150 lb up at 8-8-4, and 126 lb down and 115 lb up at 8-8-4 on top chord, and 78 lb down and 35 lb up at 0-6-0, 69 lb down and 41 lb up at 2-6-0, and 69 lb down and 41 lb up at 4-6-0, and 69 lb down and 41 lb up at 6-6-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Continued on page 2



August 18, 2021

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601</p>	<p>ENGINEERING BY TRENCO A MITek Affiliate 818 Soundside Road Edenton, NC 27932</p>
--	--

Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	I47453465
DO210810	FL1G	Flat Girder	1	2	Job Reference (optional)	

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:51:08 2021 Page 2

ID:XdVEHXV1W240jKARFW0Pu1yqv8U-cYo?YQsbnJBoku45nDtPaEmS4D5Px0VqvKNH_yoFpn

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-48, 4-6=-19

Concentrated Loads (lb)

Vert: 5=-41(F) 2=-73(F) 3=-123(F=-92) 7=-88(F) 8=-73(F) 11=-73(F) 12=-48(F) 14=-41(F) 15=-41(F)

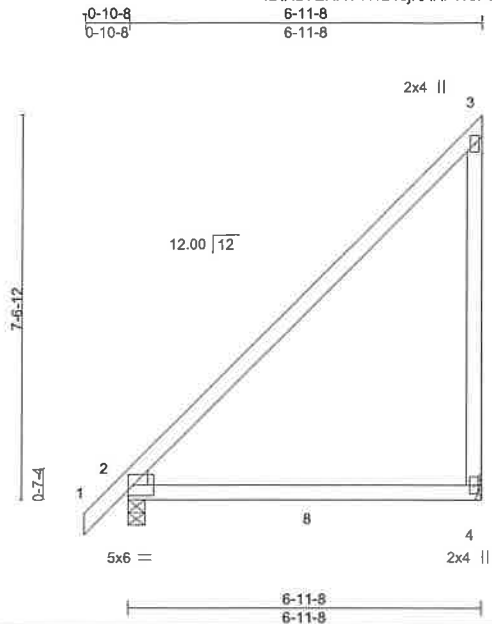
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	BLACK CREEK
DO210810	M1	Monopitch	7	1	I47453466
Truss Builders, Inc., Morrisville, NC - 27560.					Job Reference (optional)

8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:51:08 2021 Page 1
 ID:XdVEHXV1W240JKARFW0Pu1yqv8U-cYo?YQsbjBoku45nDIPaEmN143LPz3VqvKNH_yoFpn



Scale = 1:43.2

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.76	in (loc) l/defl L/d	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.69	Vert(LL) 0.17 4-7 >483 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.28 4-7 >291 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP	Horz(CT) 0.03 2 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 38 lb	FT = 6%

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3

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

REACTIONS. (size) 4=Mechanical, 2=0-4-0
 Max Horz 2=218(LC 9)
 Max Uplift 4=84(LC 7)
 Max Grav 4=387(LC 22), 2=358(LC 23)

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

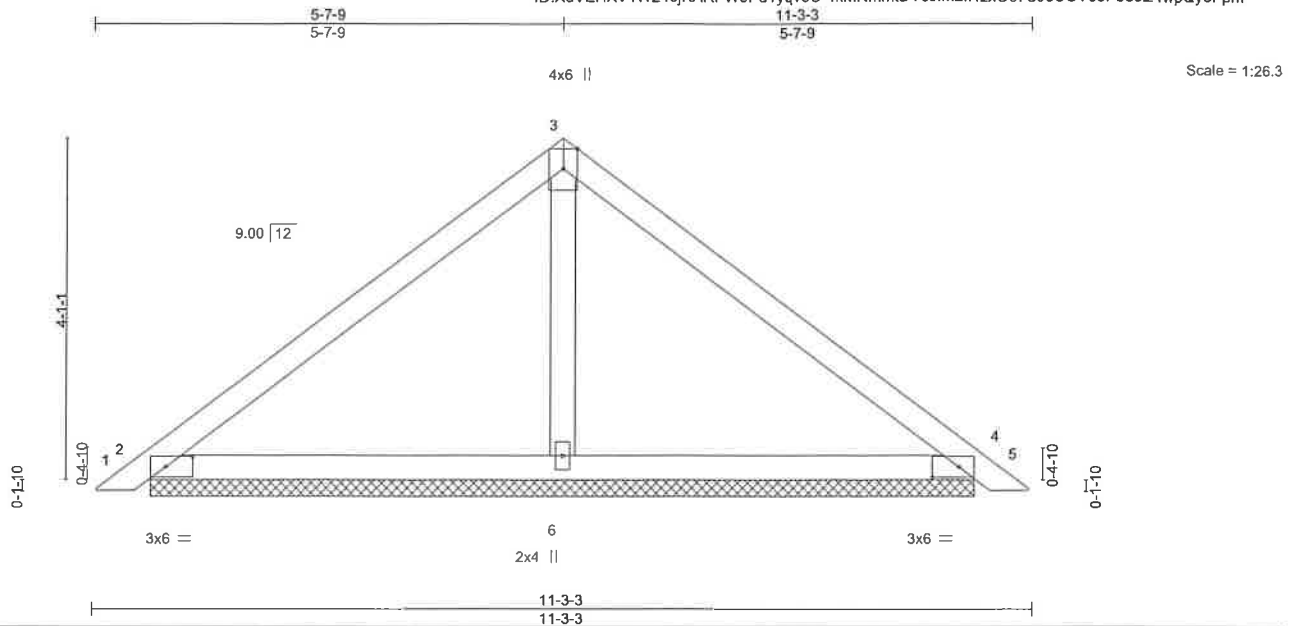
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4.



August 18, 2021

Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	147453467
DO210810	PB1	Piggyback	7	1		
Truss Builders, Inc., Morrisville, NC - 27560,					Job Reference (optional)	

8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:51:09 2021 Page 1
 ID:XdVEHXV1W240jKARFW0Pu1yqv8U-4kMNMmDYcJfM2fHLxOe7SJeOUVe8P5e3Z4wpQyoFpm



Scale = 1:26.3

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

LOADING (psf)	SPACING-	CSI	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.32	Vert(LL)	0.01	5	n/r	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.23	Vert(CT)	0.01	5	n/r		
TCDL 10.0	Lumber DOL 1.15	WB 0.08	Horz(CT)	0.00	4	n/a		
BCLL 0.0	Rep Stress Incr YES	Matrix-R						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 41 lb	FT = 6%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 2=9-10-8, 4=9-10-8, 6=9-10-8
 Max Horz 2=-78(LC 8)
 Max Uplift 2=-17(LC 10), 4=-27(LC 11)
 Max Grav 2=220(LC 2), 4=220(LC 2), 6=401(LC 2)

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=115mph Vasd=91mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 2, 4.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



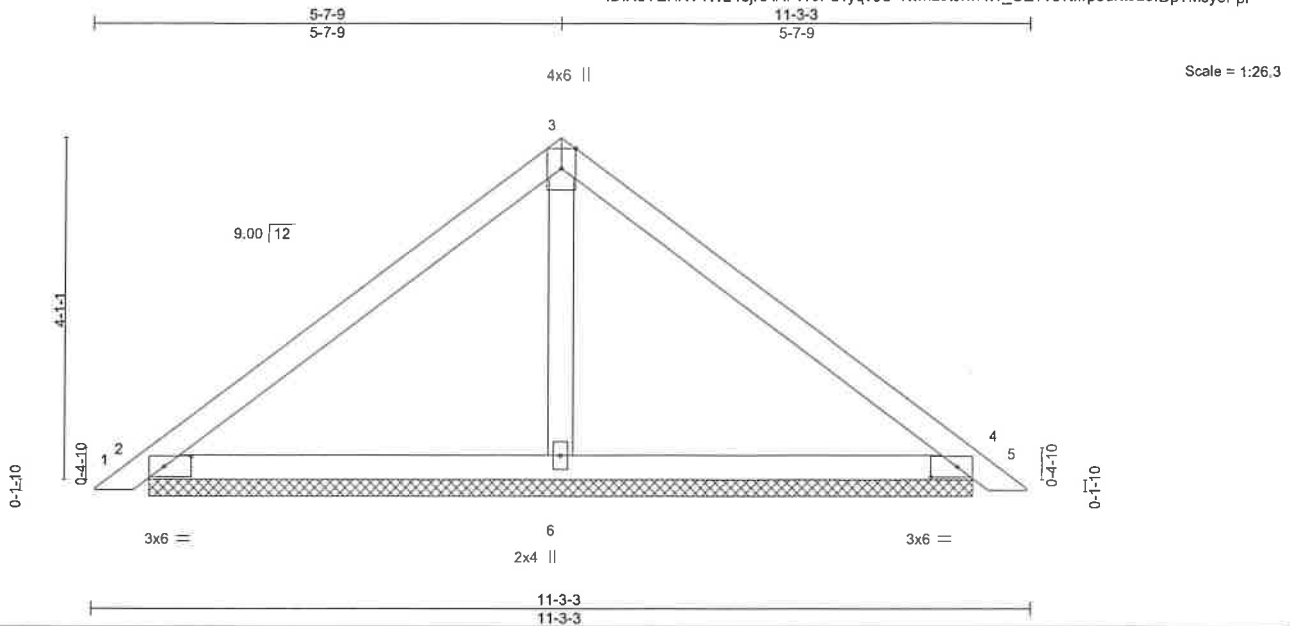
August 18, 2021

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MH-7473 rev. 5/18/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601</p>	<p>ENGINEERING BY TRENCO A MiTek Affiliate 818 Soundside Road Edenton, NC 27932</p>
---	--

Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	I47453468
DO210810	PB1GE	Piggyback	1	1	Job Reference (optional)	

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:51:10 2021 Page 1
ID:XdVEHXV1W240jKARFW0Pu1yqv8U-Yxwiz6tslwRW_CETvevtfrrpBurtisLoIdpTMsyofPl



LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL (roof)	20.0	Plate Grip DOL	2-0-0	TC	0.32	Vert(LL)	0.01	in (loc)	5	l/defl	L/d	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.23	Vert(CT)	0.01	5	n/r	120			
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	4	n/a	n/a			
BCLL	0.0 *	Code	IBC2015/TPI2014	Matrix-R								Weight: 41 lb	FT = 6%
BCDL	10.0												

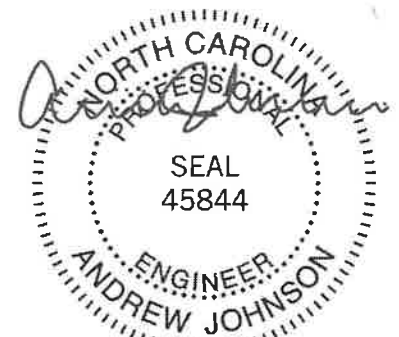
LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 OTHERS 2x4 SP No.3

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

REACTIONS. (size) 2=9-10-8, 4=9-10-8, 6=9-10-8
 Max Horz 2=-78(LC 8)
 Max Uplift 2=-17(LC 10), 4=-27(LC 11)
 Max Grav 2=220(LC 2), 4=220(LC 2), 6=401(LC 2)

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=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - TCCL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 2, 4.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



August 18, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MH-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information - available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

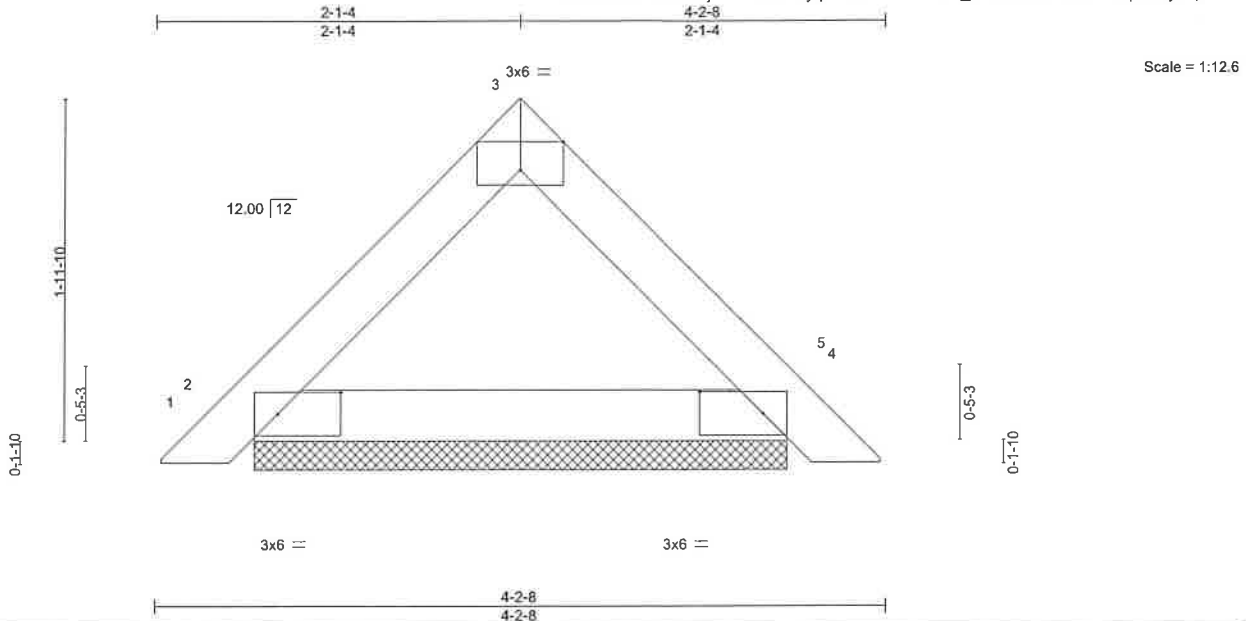
ENGINEERING BY
TRENCO
 A MiTek Alliance
 818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	I47453469
DO210810	PB2	Piggyback	19	1		

Truss Builders, Inc., Morrisville, NC - 27560,

8,430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:51:10 2021 Page 1

ID:XdVEHXV1W240jKARFW0Pu1yqv8U-Yxwiz6tslwRW_CETvevffruculntZolDpTMsyofPl



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.04	in (loc) l/defl L/d	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.11	Ver(LL) 0.00 4 n/r 120		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Ver(CT) 0.00 4 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 4 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 13 lb	FT = 6%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-2-8 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=3-0-14, 4=3-0-14
 Max Horz 2=-36(LC 8)
 Max Uplift 2=-4(LC 10), 4=-4(LC 11)
 Max Grav 2=143(LC 2), 4=143(LC 2)

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=115mph Vasd=91mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 2, 4.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



August 18, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 0/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job DO210810	Truss PB2GE	Truss Type Piggyback	Qty 1	Ply 1	BLACK CREEK Job Reference (optional)	147453470
-----------------	----------------	-------------------------	----------	----------	---	-----------

Truss Builders, Inc., Morrisville, NC - 27560,

8,430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:51:11 2021 Page 1

ID:XdVEHXV1W240jKARFW0Pur1yqv8U-07U7BSuU3EZNBmPgsMQ6ClO3MID0cKpxXIZ1ulyoFpk

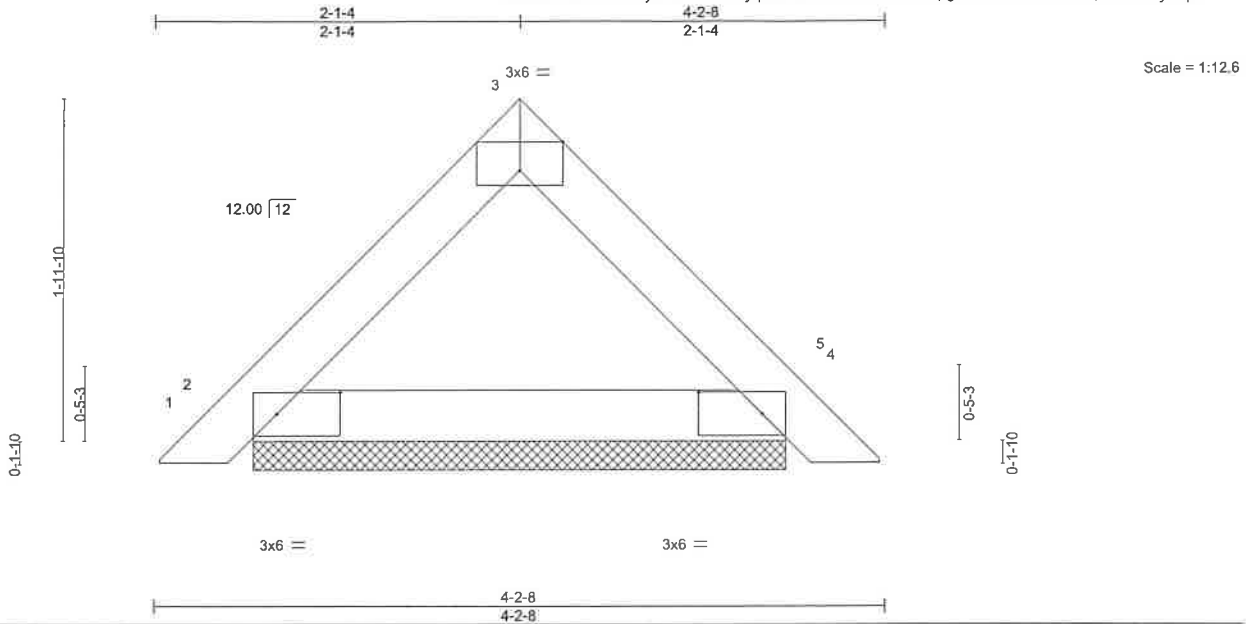


Plate Offsets (X,Y) - [2:0-4-6,0-1-8], [3:0-3-0,Edge], [4:0-4-6,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.04	Vert(LL)	0.00	4	n/r	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.11	Vert(CT)	0.00	4	n/r		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.00	4	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-P						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 13 lb	FT = 6%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=3-0-14, 4=3-0-14
Max Horz 2=-36(LC 8)
Max Uplift 2=-4(LC 10), 4=-4(LC 11)
Max Grav 2=143(LC 2), 4=143(LC 2)

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=115mph Vasd=91mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 2, 4.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



August 18, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

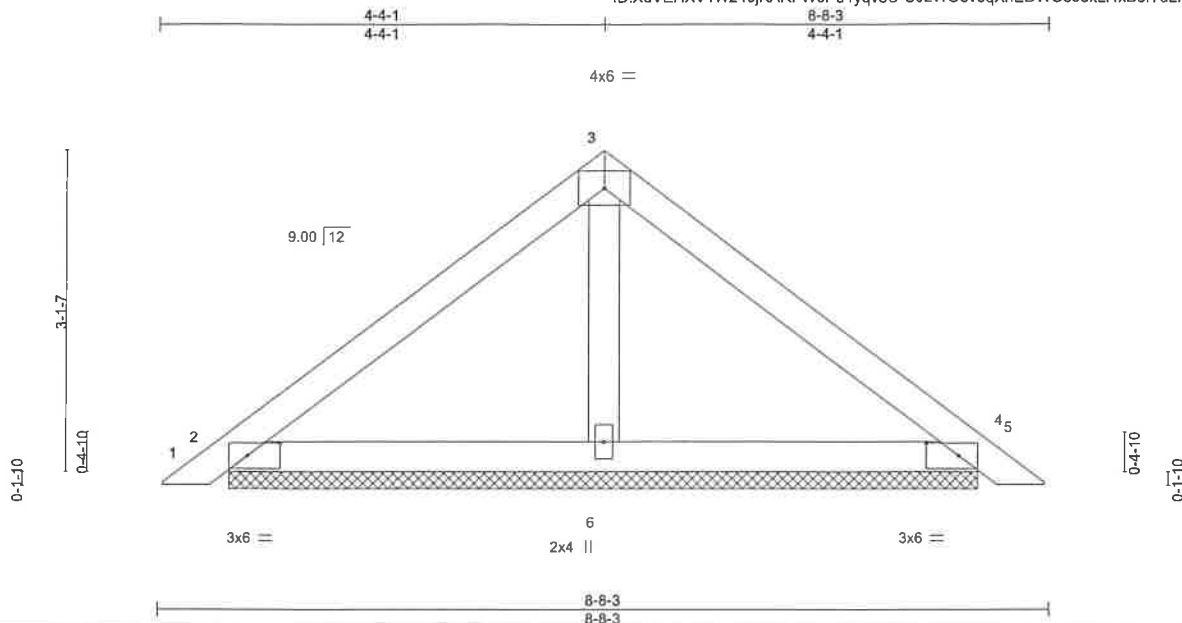
ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	
DO210810	PB3	Piggyback	1	1		147453471

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:51:12 2021 Page 1

ID:XdVEHXV1W240jKARFW0Pu1yqv8U-UJ2WOov6qXhEDW0s03xL4xBoiYuLnT5IXlaQlyoFpj



Scale = 1:21.3

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

LOADING (psf)	SPACING-	CSL	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL 2-0-0	TC 0.25	Vert(LL) 0.01	5	n/r	120		MT20	244/190
Snow (Pf) 15.0	Lumber DOL 1.15	BC 0.13	Vert(CT) 0.01	5	n/r	120			
TCDL 10.0	Rep Stress Incr YES	WB 0.04	Horz(CT) 0.00	4	n/a	n/a			
BCLL 0.0 *	Code IBC2015/TPI2014	Matrix-P							
BCDL 10.0								Weight: 31 lb	FT = 6%

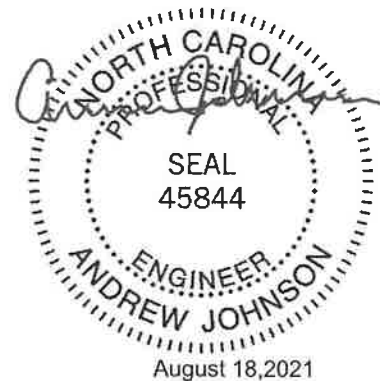
LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 OTHERS 2x4 SP No.3

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

REACTIONS. (size) 2=7-3-8, 4=7-3-8, 6=7-3-8
 Max Horz 2=59(LC 9)
 Max Uplift 2=25(LC 10), 4=33(LC 11)
 Max Grav 2=190(LC 2), 4=190(LC 2), 6=255(LC 2)

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=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 2, 4.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MI-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information - available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	
DO210810	PB3GE	Piggyback	1	1		147453472
Truss Builders, Inc., Morrisville, NC - 27560.					Job Reference (optional)	

8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:51:12 2021 Page 1
 ID:XdVEHXV1W240jKARFW0Pu1yqv8U-UJ2WOov6qXhEDW0s03xL14x8FiUblJNSIXlaQlyoFpj
 21-0-11
 10-6-5

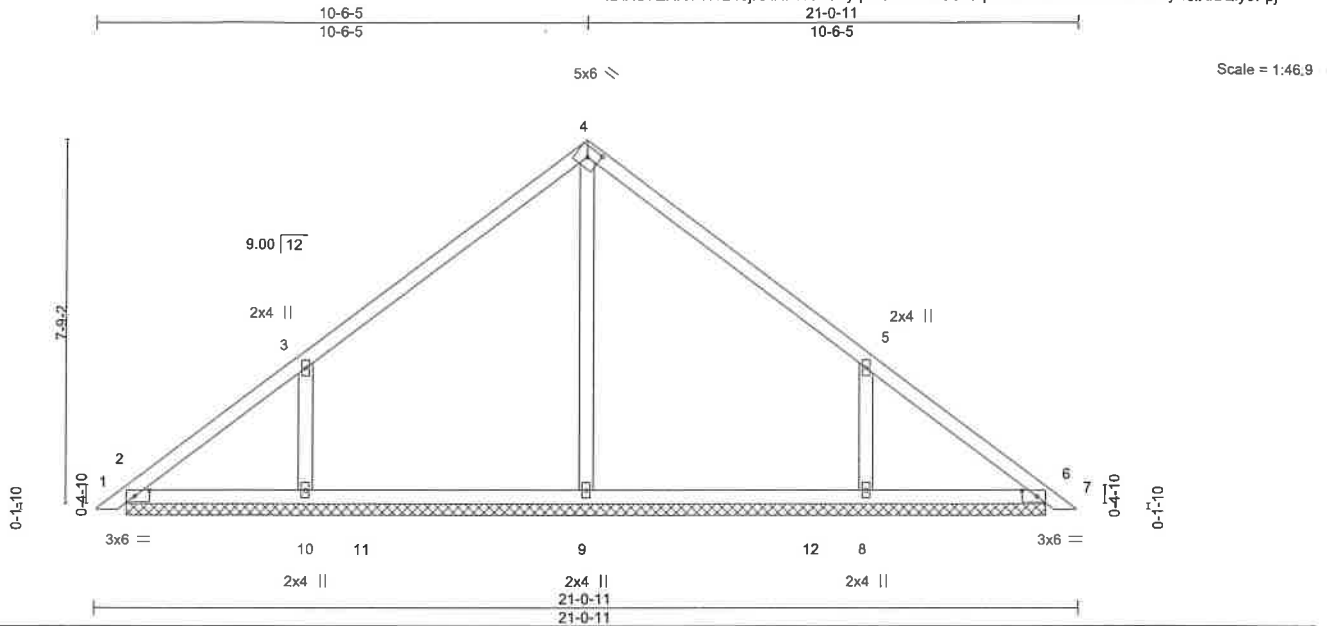


Plate Offsets (X,Y)-- [2:0-3-13,0-1-8], [4:0-3-1,0-2-8], [6:0-3-13,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL 2-0-0	TC 0.41	Vert(LL) -0.00	6	n/r	120	MT20	244/190
Snow (Pf) 15.0	Lumber DOL 1.15	BC 0.41	Vert(CT) 0.00	6	n/r	120		
TCDL 10.0	Rep Stress Incr YES	WB 0.30	Horz(CT) 0.00	6	n/a	n/a		
BCLL 0.0 *	Code IBC2015/TPI2014	Matrix-R						
BCDL 10.0							Weight: 87 lb	FT = 6%

LUMBER-

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

BRACING-

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

REACTIONS.

All bearings 19-8-0.
 (lb) - Max Horz 2--149(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 2 except 10--137(LC 10), 8--136(LC 11)
 Max Grav All reactions 250 lb or less at joint(s) 2, 6 except 9=576(LC 22), 10=515(LC 22), 8=515(LC 23)

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

WEBS 4-9--282/1, 3-10--341/197, 5-8--341/196

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 2 except (jt=lb) 10=137, 8=136.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20687

ENGINEERING BY
TRENCO
 A MiTek Alliance

818 Soundside Road
 Edenton, NC 27932

Job DO210810	Truss PB4	Truss Type Piggyback	Qty 9	Ply 1	BLACK CREEK Job Reference (optional)	147453473
-----------------	--------------	-------------------------	----------	----------	---	-----------

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 Mitek Industries, Inc. Fri Aug 13 12:51:13 2021 Page 1
ID:XdVEHXV1W240JKARFW0Pu1yqv8U-yWbuc7wkbrp5rgz2anTaHITMY5u74EjE_B27y8yoFpi

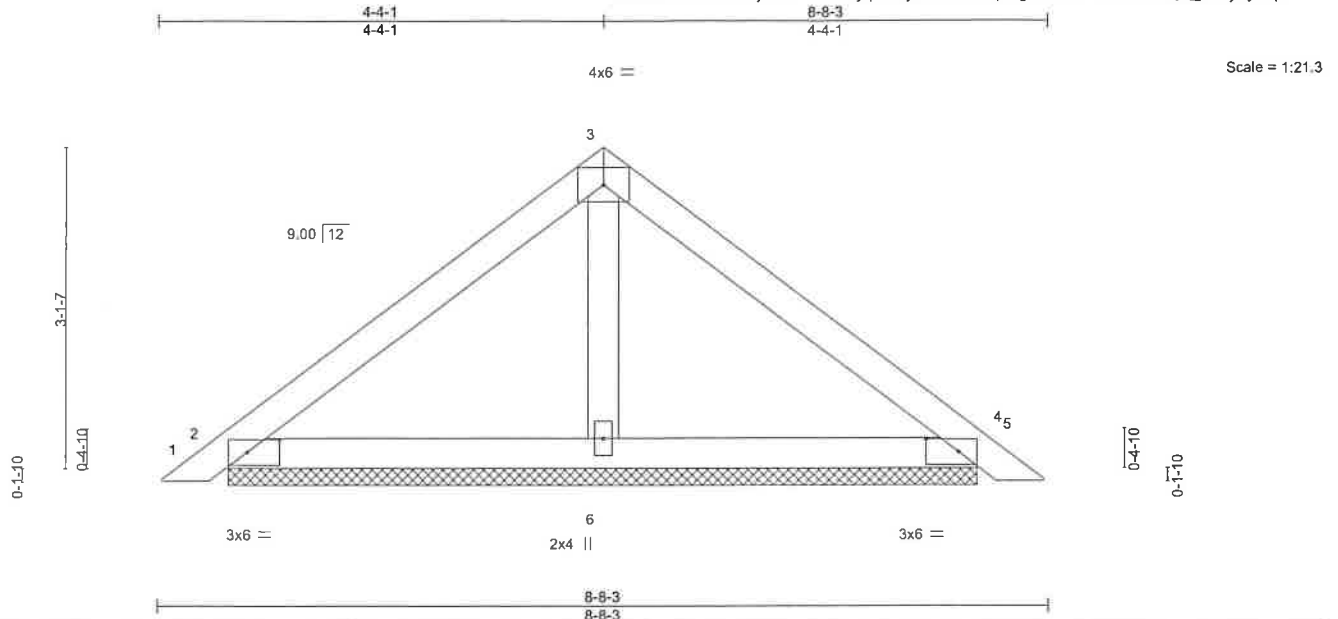


Plate Offsets (X,Y)-	[2:0-3-13,0-1-8], [4:0-3-13,0-1-8]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL 1.15	TC 0.25	Vert(LL) 0.01 5 n/r 120	MT20	244/190
Snow (Pf) 15.0	Lumber DOL 1.15	BC 0.13	Vert(CT) 0.01 5 n/r 120		
TCDL 10.0	Rep Stress Incr YES	WB 0.04	Horz(CT) 0.00 4 n/a n/a		
BCLL 0.0 *	Code IBC2015/TPI2014	Matrix-P		Weight: 31 lb	FT = 6%
BCDL 10.0					

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	

REACTIONS. (size) 2=7-3-8, 4=7-3-8, 6=7-3-8
 Max Horz 2=59(LC 9)
 Max Uplift 2=-25(LC 10), 4=-33(LC 11)
 Max Grav 2=190(LC 2), 4=190(LC 2), 6=255(LC 2)

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

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
 - 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

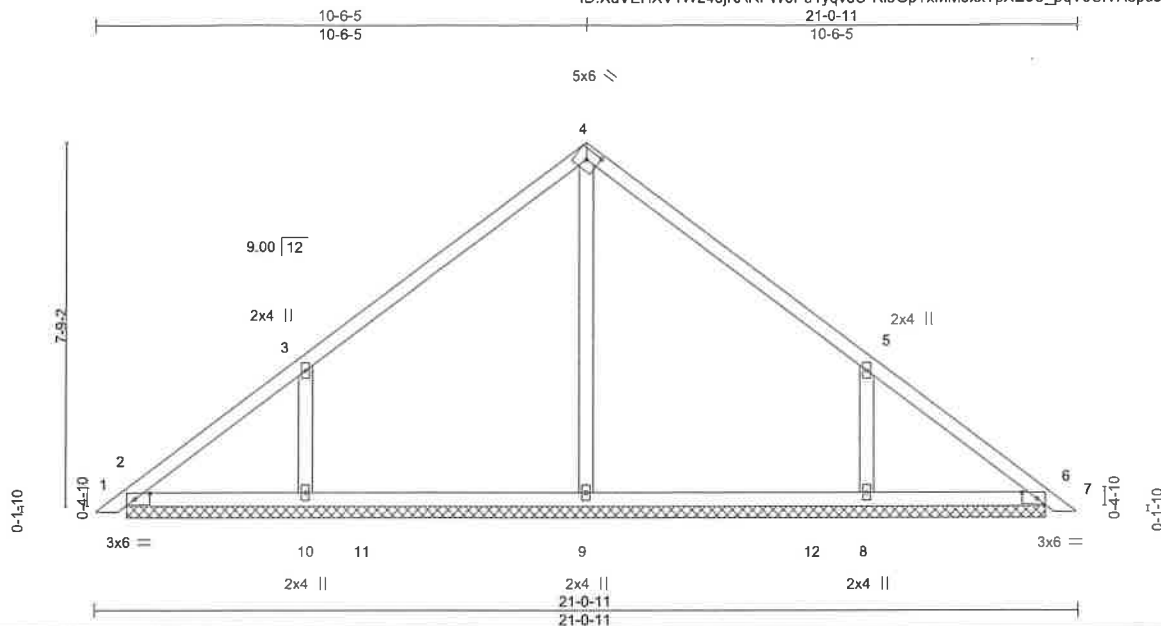


Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	
DO210810	PB5	Piggyback	14	1		I47453474
					Job Reference (optional)	

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:51:14 2021 Page 1

ID:XdVEHXV1W240jkARFW0Pu1yqv8U-Ri9GpTxMM9xxTpXE8U_pqV0UIVA3pdsNDqnhVdyoFph



Scale = 1:46.9

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof) 20.0	Plate Grip DOL	1.15	TC 0.41	Vert(LL)	-0.00	6	n/r	120	MT20	244/190
Snow (Pf) 15.0	Lumber DOL	1.15	BC 0.41	Vert(CT)	0.00	6	n/r	120		
TCDL 10.0	Rep Stress Incr	YES	WB 0.30	Horz(CT)	0.00	6	n/a	n/a		
BCLL 0.0 *	Code IBC2015/TPI2014		Matrix-R							
BCDL 10.0									Weight: 87 lb	FT = 6%

LUMBER-

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

BRACING-

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

REACTIONS.

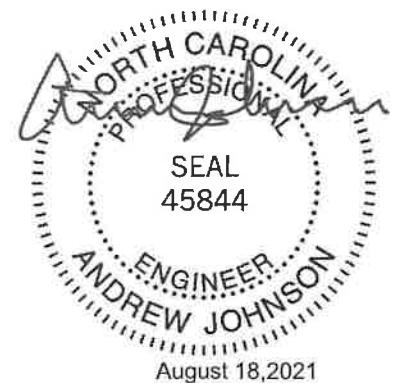
All bearings 19-8-0.
 (lb) - Max Horz 2=-149(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 2 except 10=-137(LC 10), 8=-136(LC 11)
 Max Grav All reactions 250 lb or less at joint(s) 2, 6 except 9=576(LC 22), 10=516(LC 22), 8=515(LC 23)

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

WEBS 4-9=-282/1, 3-10=-341/197, 5-8=-341/196

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 2 except (jt=lb) 10=137, 8=136.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY
TRENCO
 A MiTek Affiliate

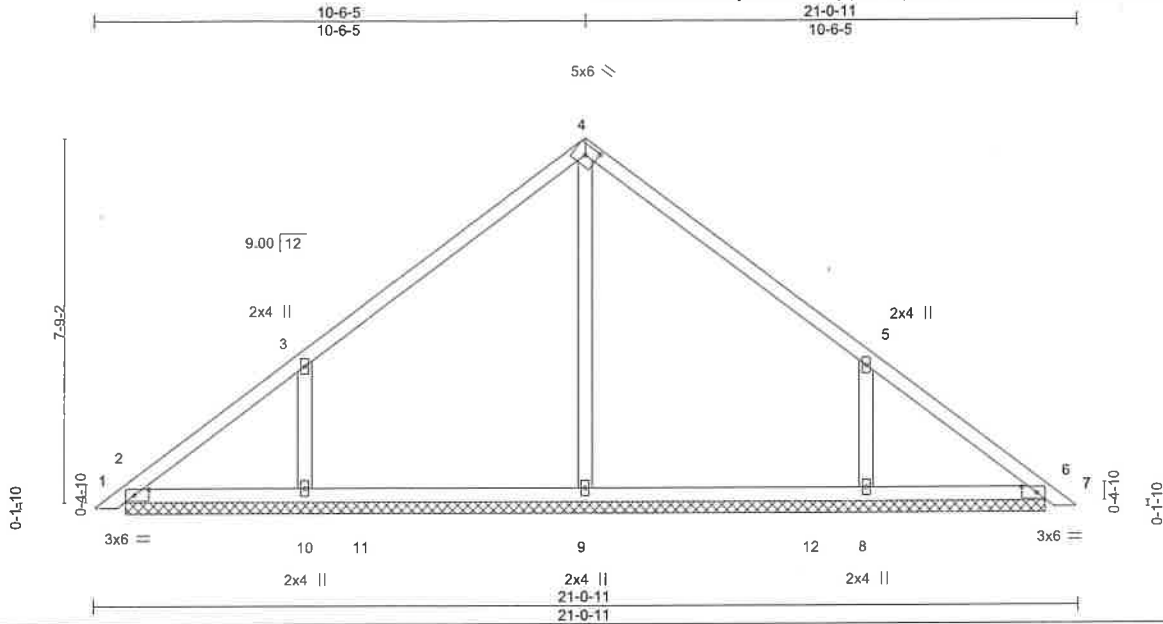
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	147453475
DO210810	PB6	Piggyback	1	1		

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:51:15 2021 Page 1

ID:XdVEHXV1W240jKARFW0Pu1yqv8U-vuje0px_7S3o4z6RhBV2MjZIVvViy46XRUXE14yoFpg



Scale = 1:46.9

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL 2-0-0	TC 0.41	in (loc) l/defl L/d	MT20	244/190
Snow (Pf) 15.0	Lumber DOL 1.15	BC 0.41	Vert(LL) -0.00 6 n/r 120		
TCDL 10.0	Rep Stress Incr YES	WB 0.30	Vert(CT) 0.00 6 n/r 120		
BCLL 0.0 *	Code IBC2015/TPI2014	Matrix-R	Horz(CT) 0.00 6 n/a n/a		
BCDL 10.0				Weight: 87 lb	FT = 6%

LUMBER-

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

BRACING-

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

REACTIONS. All bearings 19-8-0.

(lb) - Max Horz 2=149(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 2 except 10=137(LC 10), 8=136(LC 11)
 Max Grav All reactions 250 lb or less at joint(s) 2, 6 except 9=576(LC 22), 10=516(LC 22), 8=515(LC 23)

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

WEBS 4-9=282/1, 3-10=341/197, 5-8=341/196

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 2 except (jt=lb) 10=137, 8=136.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



August 18, 2021

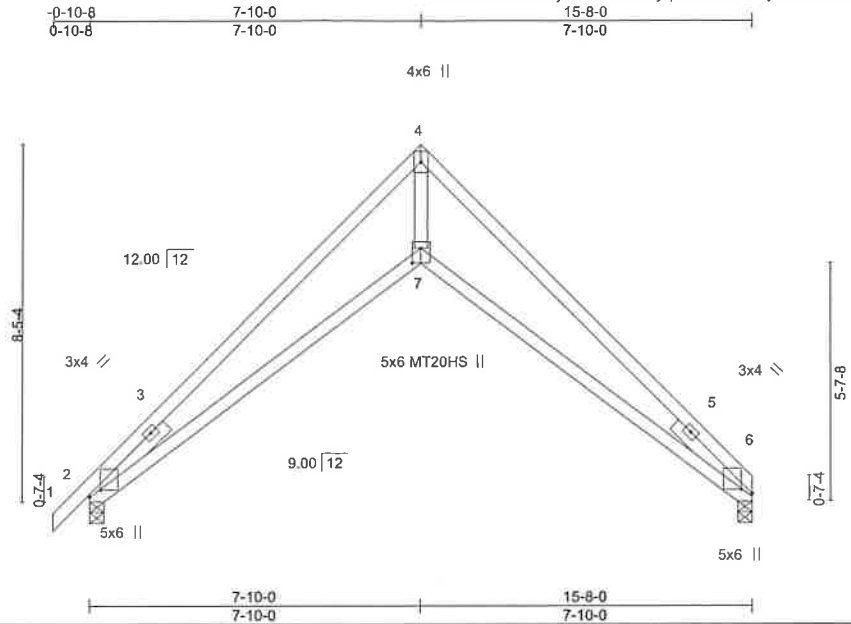
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MH-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	I47453476
DO210810	SC1	Scissor	8	1		

Truss Builders, Inc., Morrisville, NC - 27560, 8.430 s Jun 2 2021 MITek Industries, Inc. Fri Aug 13 12:51:16 2021 Page 1
 ID:XdVEHXV1W240jKARFW0Pu1yqv8U-N5H0E9ycumCfi7hdFv0Hww5kcJn_HQ5gg8GoZWyoFpf



Scale = 1:51.9

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.71	Vert(LL)	0.17	7-10	>999	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.70	Vert(CT)	-0.28	7-14	>679	MT20HS	187/143
TCDL 10.0	Lumber DOL 1.15	WB 0.77	Horz(CT)	0.30	6	n/a		
BCLL 0.0	Rep Stress Incr YES	Matrix-MR						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 75 lb	FT = 6%

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

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

REACTIONS. (size) 2=0-4-0, 6=0-4-0
 Max Horz 2=163(LC 7)
 Max Uplift 2=7(LC 10)
 Max Grav 2=681(LC 2), 6=625(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1723/3, 4-6=-1724/64
 BOT CHORD 2-7=0/1517, 6-7=0/1503
 WEBS 4-7=0/1900

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) 2, 6 considers parallel to grain value using ANSITPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.



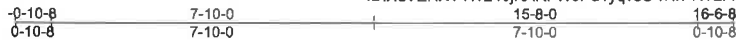
August 18, 2021

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 5/19/2020 BEFORE USE</p> <p>Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601</p>	<p>ENGINEERING BY</p> <p>TRENCO</p> <p>A MITEK Alliance</p> <p>818 Soundside Road Edenton, NC 27932</p>
--	--

Job	Truss	Truss Type	Qty	Ply	BLACK CREEK	147453477
DO210810	SC1A	Scissor	1	1		

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Aug 13 12:51:17 2021 Page 1
 ID:XdVEHXV1W240jKARFW0Pu1yqv8U-rHrPRVzF14KWKHGppcXWS8ewXj6g0tQqvo0L6yyoFpe



Scale = 1:53.1

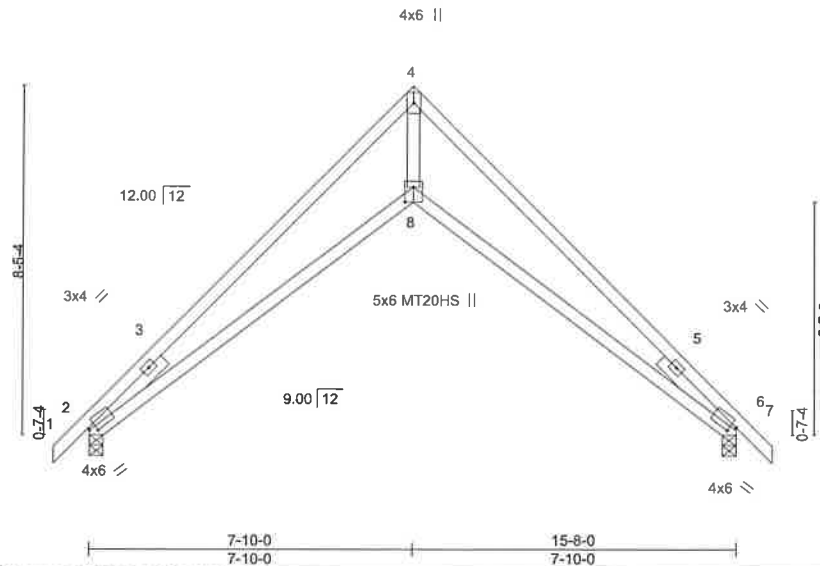


Plate Offsets (X,Y) - [2:0-2-1,0-1-8], [6:0-1-8,0-2-4], [8:0-4-4,0-2-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.70	Vert(LL)	0.17	8-11	>999	MT20	244/190
Snow (Pf) 15.0	Plate Grip DOL 1.15	BC 0.74	Vert(CT)	-0.27	8-11	>695	MT20HS	187/143
TCDL 10.0	Lumber DOL 1.15	WB 0.76	Horz(CT)	0.30	6	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MR						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 77 lb	FT = 6%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-0-2 oc purtins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

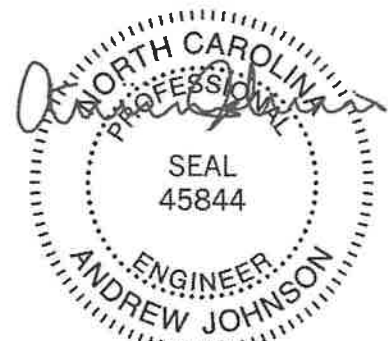
(size) 2=0-4-0, 6=0-4-0
 Max Horz 2=169(LC 9)
 Max Uplift 2=7(LC 10), 6=7(LC 11)
 Max Grav 2=679(LC 2), 6=679(LC 2)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=1714/0, 4-6=1744/29
 BOT CHORD 2-8=0/1544, 6-8=0/1529
 WEBS 4-8=0/1929

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- 5) All plates are MT20 plates unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 8) Bearing at joint(s) 2, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.



August 18, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job DO210810	Truss SC2	Truss Type Scissor	Qty 1	Ply 1	BLACK CREEK	147477338
-----------------	--------------	-----------------------	----------	----------	-------------	-----------

Truss Builders, Inc., Morrisville, NC - 27560,

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 15:30:44 2021 Page 1
ID:XdVEHV1W240jKARFW0Pu1yqv8U-eHTwo2MFOV1kKPI3VxFlgIQkK_h4rHzn84qsJynEC9



4x6 =

Scale = 1:41.6

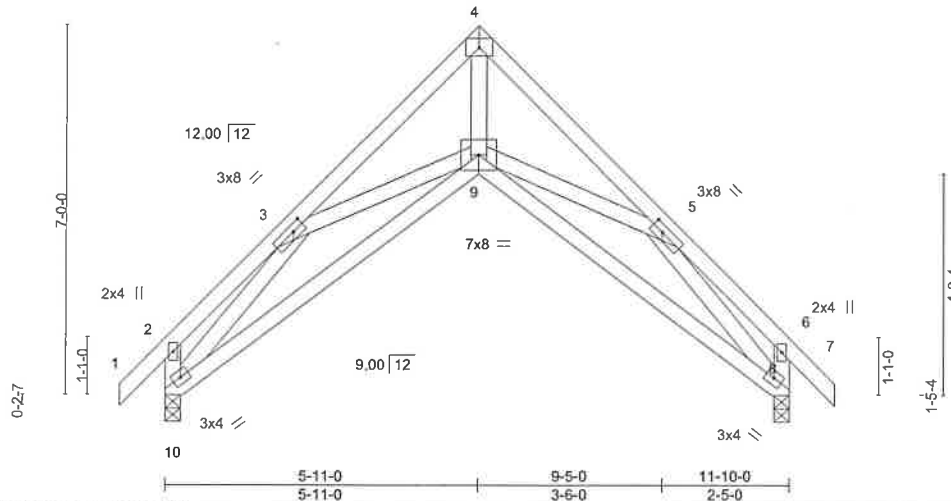


Plate Offsets (X,Y) [3:0-2-12,0-1-8], [5:0-2-12,0-1-8]

LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES	GRIP
TCLL (roof)	20.0	2-0-0	2-0-0	TC	0.17	in	(loc)	l/defl	L/d	MT20	244/190
Snow (Pf)	15.0	Plate Grip DOL	1.15	BC	0.41	Vert(LL)	-0.04	9-10	>999		
TCDL	10.0	Lumber DOL	1.15	WB	0.39	Vert(CT)	-0.10	9-10	>999		
BCLL	0.0 *	Rep Stress Incr	YES	Matrix-MR		Horz(CT)	0.11	8	n/a		
BCDL	10.0	Code	IBC2015/TPI2014							Weight: 79 lb	FT = 6%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-11-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

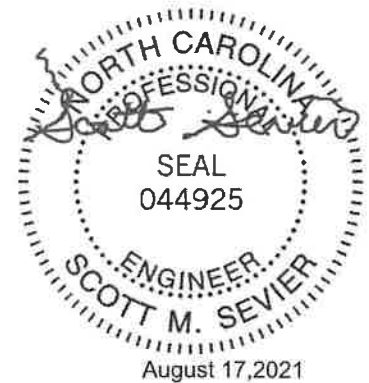
(size) 10=0-3-8, 8=0-3-8
Max Horz 10=-131(LC 8)
Max Uplift 10=-6(LC 10), 8=-6(LC 11)
Max Grav 10=523(LC 2), 8=523(LC 2)

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

TOP CHORD 3-4=-913/0, 4-5=-932/0
BOT CHORD 9-10=-146/790, 8-9=-3/655
WEBS 4-9=0/1026, 3-10=-882/34, 5-8=-866/0, 5-9=-59/284

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 10, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 8.

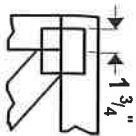


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MI-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

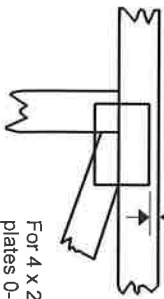
ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

— This symbol indicates the required direction of slots in connector plates.

* Plate location details available in MITek 20/20 software or upon request.

PLATE SIZE

4 X 4

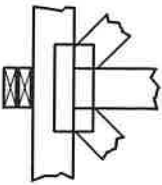
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING



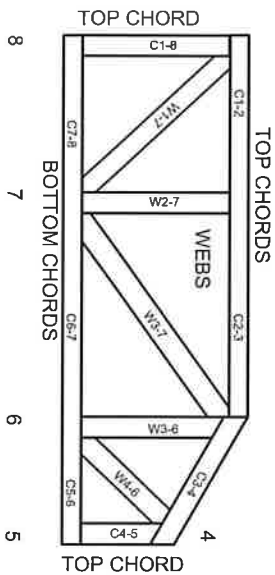
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

6-4-8 dimensions shown in ft-in-sixteenths (Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3. These truss designs rely on lumber values established by others.

© 2012 MITek® All Rights Reserved



MITek Engineering Reference Sheet: MIL-7473 rev. 5/19/2020

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never slack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise specified.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.