



Building Division
 Dept of Community Development Services
 225 S Emerson Avenue
 Greenwood, IN 46143
 (317) 881-8698
 (317) 887-5616 fax
 building@greenwood.in.gov

RECEIVED
 BY
 PLANNING DIVISION
 NOV 17 2014

APPLICATION FOR
 BUILDING PERMIT

CITY OF GREENWOOD
 DEPARTMENT OF COMMUNITY
 DEVELOPMENT SERVICES

PERMIT NO.: 2014-601

Application is hereby made for a permit to improve premises as described herein as shown in the accompanying plans and specifications, which improvement is to be located as shown on the accompanying plot plan. The information which follows and the accompanying plans, specifications and other information with the representations therein contained, are made a part of this application in reliance upon which the Planning Commission of the City of Greenwood is requested to issue a location improvement permit and any applicable sewer permits.

It is understood and agreed by this Applicant that any error, misstatement or misrepresentation of material fact, either with or without intention on the part of this Applicant, such as might or would operate to cause refusal of this application, or conditional approval thereof, or any material alteration or change in the accompanying plans, specifications or improvements subsequent to the issuance of a permit in accordance with the application, without the approval of the Planning Commission shall constitute sufficient ground for the revocation of this permit.

All building construction work, alterations, repairs, or mechanical installations and appliances connected therewith and other work necessary to complete the following improvement, shall comply with the State Building Rules and Regulations, local ordinances and such other statutory provisions pertaining to this class of work, and such rules, regulations, ordinances and provisions shall be considered a part of specifications, whether specified herein or not.

- 1) Date of Application 11/17/14 Date Approved 11-19-14 Date Issued 11-21-14
- 2) Name of Applicant Arbor Homes - Doug McCarty Phone 842-1875
- 3) Permit Coordinator (if different than applicant) Tim Zellers Phone 314-1111
- 4) Address of Location to be Improved 2268 Sungold Trail
 Lot Number 30 in Briarstone Subdivision, Section 1

- 5) Kind of Building Permit : SFDN - Single-Family
 (circle one) DBLN - Two-Family (duplex)
- 6) Lot Size: 7322
- 7) Size(s) (in square feet):

	Staff Use
PERMIT FEE	\$ <u>390.76</u>
SFDN TECH FEE (1)	\$10.00
DBLN TECH FEE (3)	\$25.00
TOTAL FEE	\$ <u>400.76</u>

	Unit 1	Unit 2
1 ST Floor Living Area	<u>830</u>	
2 nd Floor Living Area	<u>1197</u>	
Finished Basement Area	<u>-</u>	
Total Living Area	<u>2027</u>	
Garage Area	<u>420</u>	
Other Area Under Roof	<u>91</u>	
Total Square Feet	<u>2538</u>	

- 8) Approximate Price of Project \$ 140,000
- 9) Size(s) of water meter(s) 3/4" or 5/8"

PERMIT NO.: _____

- 10) Name and address of building contractor:
Arbor Homes
6626 E 75th St Indpls In 46250
- 11) On-site Contact Person: Tony Klueser Phone: 710-3974
- 12) Number of Stories (circle one): 1 or 2
- 13) Type of Foundation (circle one): Crawl Slab Unfinished Basement Finished Basement
- 14) Energy Code Requirements met by (circle one): Prescription Path Performance Path

The undersigned represents that such work shall start within 90 days and will be completed without delay, that said improvements will be finished in a good workmanlike manner. Should said work not start in good faith within 90 days, the undersigned understands this application will be void and of no force or effect whatever. The above information, to my knowledge and belief, is true and correct.

SIGNATURE OF APPLICANT/OWNER: [Signature]

SIGNATURE OF BUILDING COMMISSIONER: [Signature]
 (or designated representative)

TO BE COMPLETED BY BUILDING DIVISION STAFF

Airspace Zone?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Is Property in Floodway?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Eastside TIF Area?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Is Property in Floodway Fringe?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
US 31/Fry TIF Area?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Is Building in Floodway/Fringe?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

If yes, please provide:

Parcel No. 41- 05-09-041-035.000-030 Applicable Flood Protection Grade: _____
 Proposed Finished Floor Elevation: _____

Model - Elevation Hawthorne B Is Elevation Certificate Required? Yes No

School: CP Library: JC WRTFD: _____



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NOTICE TO BUILDERS

Residential and Commercial

Uniform Federal Accessibility Standards for Sidewalks and Handicap Ramps
(Federal Standard 795 & Recreation Areas without Barriers)
Effective Date: January 26, 1992

Included in this pack are regulations and some drawings as set by Federal Standard 795 & Recreation Areas without Barriers. The City of Greenwood requires that these standards be met. The issuing of an improvement location permit does not relieve the applicant of responsibility for complying with requirements of the Americans with Disabilities Act (ADA).

Receipt of this packet is hereby acknowledged.



Applicant's Signature

11/17/14
Date

Permit #: _____

Project Name: _____

Lot Number: 30

Lot Address: 2268 Sungold Trail

Original to Applicant
Copy to Permit File

Approved 6/28/93 by Greenwood Planning Commission

12798

T	45
OFFICE USE ONLY	

Approved by
State Board of Accounts
For City of Greenwood 1997

SEWER AVAILABILITY FEE (SAF)

NAME ARBOR INVESTMENTS, LLC CODE 4

CONTACT PERSON/PHONE PAUL CLAIRE 317-842-1875

SUBJECT PROPERTY 2268 SUNGOLD TRAIL

GREENWOOD, INDIANA 46143

SUBDIVISION BRIARSTONE SECTION 1 LOT 30 BLOCK

TOWNSHIP PLEASANT

TYPE OF CONNECTION RESIDENTIAL CODE 1

PRELIMINARY FEE CALCULATION

SINGLE FAMILY RESIDENTIAL - 310 GPD = 1 EDU

EDU 1

OTHER DOCUMENTATION FOR CALCULATION ATTACHED? NO

TOTAL PROJECTED FEE 1 EDU x \$ 2,073.00/EDU \$2,073.00

FEE DUE (x 0.333333) \$691.00

CHECK RECEIVED FROM SAF CREDIT #400

DATE 10/27/2014 CALCULATED BY CSP ACCEPTED BY CSP

NAME ARBOR HOMES ASAP TIM ZELLERS 314-1111 CODE 1

FINAL FEE CALCULATION

SAME

EDU 1

PAID
Payment required on
NOV 21 2014
By
CITY OF GREENWOOD, IN
COMMUNITY DEVELOPMENT SERVICES

FINAL FEE DUE 1 EDU x \$ 2,073.00/EDU \$2,073.00

(-) FEE PAID = \$691.00

BALANCE FEE DUE = \$1,382.00

CHECK RECEIVED FROM SAF CREDIT #400

DATE 11/21/2014 CALCULATED BY CSP ACCEPTED BY CSP

Copies To: Applicant Engineering Division Planning Division Finance Department



SANITATION SEWER CONNECTION PERMIT

PURSUANT TO PROVISIONS OF GREENWOOD MUNICIPAL CODE CHAPTER 9 AS AMENDED THE UNDERSIGNED REQUESTS PERMISSION TO CONNECT TO THE PUBLIC SEWER

STREET ADDRESS 2268 Sungold Trail

LOT 30 SUBDIVISION/BLDG Briarstone

PROJECT NAME _____

FEE \$835.00 CONNECTION X INSPECTION _____

WATER METER SIZE: 5/8 inch

COMPANY NAME Arbor Homes, LLC

ADDRESS: 6666 E 75th Street, Suite 400

CITY: Indianapolis IN 46250-286 PHONE (317) 842-1875

CONTACT: _____ CELL PHONE _____

AUTHORIZED BY Keith Meier

DATE 11/21/2014

Permit expires one year from date of issue.

Subject to compliance with conditions of Greenwood Municipal Code as amended and Rules and Regulations of Greenwood Sewage Works

MANDATORY FOR OPEN DITCH INSPECTION CALL
(317) 888-1254

Copies for:

Applicant

Sanitation Inspector

Finance Department

Planning Division

SAF 12798

Peggy Deer

COMMUNITY DEVELOPMENT SERVICES CLERK
Greenwood, Indiana

PAID
Payment received on

Inspected by _____ NOV 21 2014

Date _____

By
CITY OF GREENWOOD, IN

NO SEWER CONNECTIONS ARE TO BE MADE TO THE SEWER MAIN UNTIL AFTER THE MAIN IS A PUBLIC DEDICATED SEWER EXCEPT BY THE AUTHORITY OF THE GREENWOOD PUBLIC WORKS AND SAFETY.



PARKS & RECREATION

PARK IMPACT FEE CALCULATION FORM

APPLICANT _____ PHONE _____ CELL _____

OR

COMPANY NAME **Arbor Homes, LLC**

ADDRESS: **6666 E 75th Street, Suite 400**

CITY: **Indianapolis IN 46250-286** PHONE **(317) 842-1875**

CONTACT: _____ CELL PHONE _____

SUBJECT PROPERTY

LOT **30** SECTION **1** SUBDIVISION **Briarstone**

STREET ADDRESS **2268 Sungold Trail**

BLDG _____ PROJECT NAME _____

TYPE	# of Units	FEE PER UNIT	TOTAL
Single Family	<input type="text" value="1"/>	\$1,175.00	<input type="text" value="\$1,175.00"/>
Duplex	<input type="text" value="0"/>	\$1,117.00	<input type="text" value="\$0.00"/>
Apartments/Condominiums			
One Bedroom	<input type="text" value="0"/>	\$764.00	<input type="text" value="\$0.00"/>
Two Bedrooms	<input type="text" value="0"/>	\$999.00	<input type="text" value="\$0.00"/>
Three Bedrooms or more	<input type="text" value="0"/>	\$1,175.00	<input type="text" value="\$0.00"/>
Mobile Home	<input type="text" value="0"/>	\$764.00	<input type="text" value="\$0.00"/>
Special Fee or Adjustment			<input type="text" value="\$0.00"/>
TOTAL IMPACT FEE			<input type="text" value="\$1,175.00"/>
Recommendation #	<input type="text" value="1"/>	Collection of the standard fees pursuant to the Recreation Infrastructure Improvement Plan and Official Fee Schedule.	

PAID

Payment received on

DATE **11/21/2014**

NOV 21 2014

Peggy Deer

Copies for:
Customer
Department of Finance
Parks and Recreation
Planning Division

COMMUNITY DEVELOPMENT SERVICES CLERK
CITY OF GREENWOOD, IN
COMMUNITY DEVELOPMENT SERVICES
Greenwood, Indiana

HOME CERTIFIED TO MEET THE PROVISIONS OF THE 2009 INTERNATIONAL ENERGY CONSERVATION CODE

This home built at

2268 SUNGOLD TRL., GREENWOOD (AS DESIGNED), IN

by ARBOR HOMES

exceeds the minimum requirements for the 2009 International Energy Conservation Code

11-04-2014

Building Features

Ceiling Flat: R-38.0
Sealed Attic: NA
Vaulted Ceiling: NA
Above Grade Walls: R-18.0
Foundation Walls: NA
Exposed Floor: R-30.5
Slab: R-10.4 Edge, R-10.4 Under
Duct: NA

Duct Leakage to Outside: 121.00 CFM per Std 152
Total Duct Leakage: 243.00 CFM per Std 152
Infiltration: Htg: 6.00 Clg: 6.00 ACH50
Window: U-Value: 0.320, SHGC: 0.280
Air-Source HP Electric, Htg: 7.7 HSPF. Clg: 13.0 SEER.
Water Heating Conventional, Electric, 0.91 EF, 50.0 Gal.

The organization below certifies that the proposed building design described herein is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2009 IECC requirements in compliance with Chapter 4 based on Climate Zone 5A and with all mandatory requirements.

Name: DEVIN SIELSCHOTT

Signature:

Organization: THERMO SCAN INSPECTIONS

Date: November 04, 2014

*The 2009 International Energy Conservation Code is a registered trademark of the International Code Council, Inc. ("ICC").
No version of this software has been reviewed or approved by ICC or its affiliates.
REM/Rate - Residential Energy Analysis and Rating Software v14.5.1*

2009 IECC ANNUAL ENERGY COST COMPLIANCE

Date:	November 04, 2014	Rating No.:	
Building Name:	BS030	Rating Org.:	THERMO SCAN INSPECTIONS
Owner's Name:	ARBOR HOMES	Phone No.:	317-846-4655
Property:	2268 SUNGOLD TRL.	Rater's Name:	DEVIN SIELSCHOTT
Address:	GREENWOOD (AS DESIGNED), IN 46143	Rater's No.:	5701119
Builder's Name:	ARBOR HOMES		
Weather Site:	Indianapolis, IN	Rating Type:	Projected Rating
File Name:	BS030_ARBOR_CODE.blg	Rating Date:	11-04-2014

	Annual Energy Cost (\$)	
	2009 IECC	As Designed
Heating:	885	808
Cooling:	159	142
Water Heating:	518	520
SubTotal - Used to Determine Compliance:	1562	1470
Lights & Appliances:	752	755
Photovoltaics:	-0	-0
Service Charge:	113	113
Total:	2427	2338 *
Window U-Factor Check (Section 402.5)		
Window U-Factor (Design must be equal or lower):	0.480	0.312
Home Infiltration (Section 402.4.2):		PASSES
Duct Leakage (Section 403.2.2):		PASSES

This home MEETS the annual energy cost requirements of Section 405 of the 2009 International Energy Conservation Code based on a climate zone of 5A. In fact, this home surpasses the requirements by 5.9%.

Name: <u>DEVIN SIELSCHOTT</u>	Signature: _____
Organization: <u>THERMO SCAN INSPECTIONS</u>	Date: <u>November 04, 2014</u>

* Design energy cost is based on the following systems:
 ASHP: Htg: 64.1 kBtuh, 7.7 HSPF. Clg: 30.0 kBtuh, 13.0 SEER.
 Water Heating: Conventional, Elec, 0.91 EF.
 Window-to-Floor Area Ratio: 0.09
 Blower door test: Htg: 0.35 Clg: 0.35 ACHnat

In accordance with IECC, building inputs, such as setpoints, infiltration rates, and window shading may have been changed prior to calculating annual energy cost. Furthermore, the standard reference design HVAC system efficiencies are set equal to those in the design home as specified in the 2009 IECC. These standards are subject to change, and software updates should be obtained periodically to ensure the compliance calculations reflect current federal minimum standards.



STOEPPELWERTH

ALWAYS ON

7965 East 106th Street, Fishers, IN 46038-2505
phone: 317.849.5935 fax: 317.849.5942

JOB ID BSTONE.30

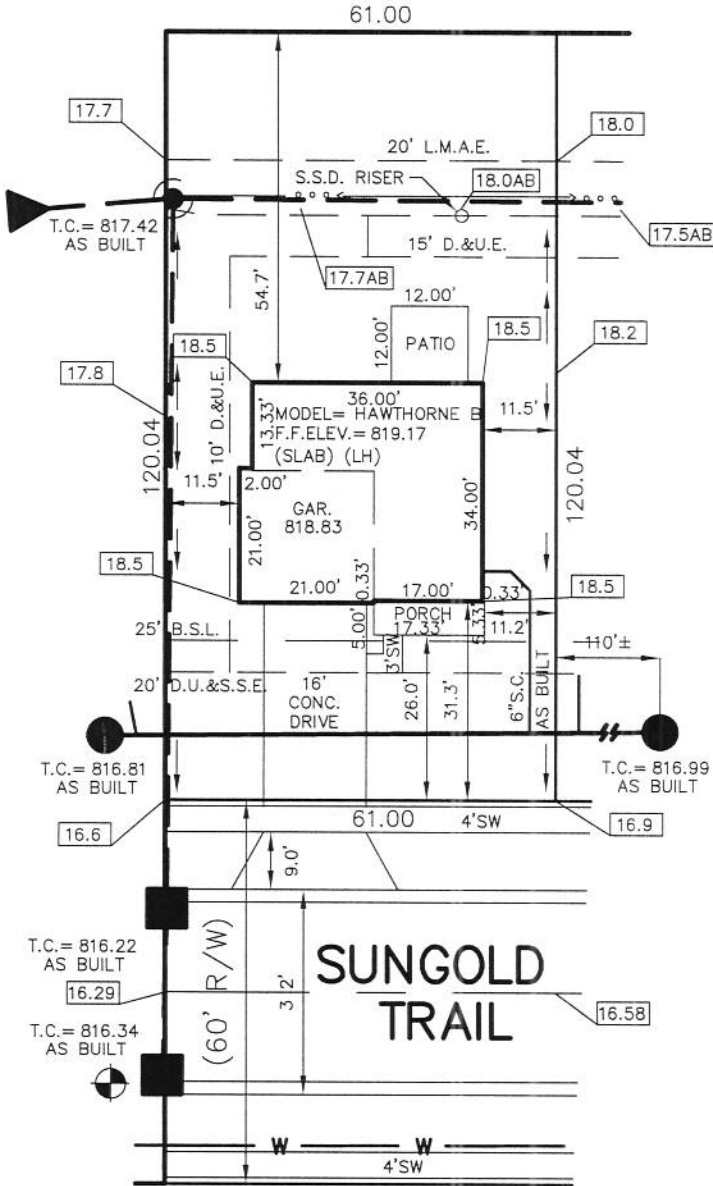
CONTROL# 70679 ARB

2268 SUNGOLD TRAIL
GREENWOOD, IN 46143



1" = 30'

LOT AREA: 7,322 Sq. Ft.



LEGEND:

- XX.X PROPOSED GRADE PER PLAN
- XX.XAB AS BUILT GRADE

- S.S.D. --- SUB-SURFACE DRAIN
- SANITARY SEWER
- STORM SEWER
- W — WATER MAIN
- W — 3/4" WATER CONNECTION
- ○ ○ ← SWALE

- SANITARY MANHOLE
- STORM MANHOLE
- CURB INLET
- ▼ END SECTION
- ⊕ FIRE HYDRANT
- ⊗ WATER VALVE
- D.&U.E. DRAINAGE & UTILITY EASEMENT
- B.S.L. BUILDING SETBACK LINE
- D.U.&S.S.E. DRAINAGE UTILITY & SANITARY SEWER EASEMENT
- L.M.A.E. LANDSCAPE MAINTENANCE ACCESS EASEMENT

ALL UNDERGROUND SEWERS AND UTILITIES SHOWN ARE PLOTTED BY SCALE FROM "RECORD DRAWINGS" FURNISHED BY ENGINEER.



Curtis C. Huff

LOT 30
BRIARSTONE
SECTION 1

INST. #2014-021500
P.C. E, PAGE #150
ZONING: R2B

8' MINIMUM SIDE YARD
25' MINIMUM FRONT SETBACK
20' MINIMUM REAR YARD

● BENCHMARK
TOP OF CASTING = 816.34

SOD:	N/A ± Sq. Ft.
SEEDING:	5,697 ± Sq. Ft.
CONC. DRIVEWAY:	765 ± Sq. Ft.
PRIVATE WALK:	26 ± Sq. Ft.
PUBLIC WALK:	180 ± Sq. Ft.
SLAB & GAR.:	1,278 ± Sq. Ft.

NOTE: THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR ORIGINAL BOUNDARY SURVEY, A ROUTE SURVEY OR A SURVEYOR LOCATION REPORT.

1ST REV BRICK GAR ONLY
11/04/14 CCE
10/30/14 JDA



Re: BST30
BST30

MiTek 20/20 7.4

The Truss Design Drawing(s) (TDD[s]) referenced have been prepared based on the construction documents (also referred to at times as "Structural Engineering Documents") provided by the Building Designer indicating the nature and character of the work. The design criteria therein have been transferred to DrJ Engineering (DrJ) by ProBuild (Mooresville).

These TDDs (also referred to at times as "Structural Delegated Engineering Documents") are specialty structural component designs and may be part of the project's deferred or phased submittals. As a Truss Design Engineer (i.e., Specialty Engineer), the seal here and on any TDD represents an acceptance of professional engineering responsibility for the design of the single Truss depicted on the TDD only. The Building Designer is responsible for and shall coordinate and review the TDDs for compatibility with their written engineering requirements. Please review all TDDs and all related notes.

Pages or sheets covered by this seal: 18975869 thru 18975884

My license renewal date for the state of Indiana is July 31, 2016.

Important Notice: Each TDD uses Metal Connector Plate (MCP) design values published by MCP manufacturers. Any referenced connectors use design values published by the connector manufacturer or the American Wood Council per the National Design Specification (NDS) for Wood Construction. The TDD further uses lumber design values published by the applicable lumber rules-writing agency as approved by the American Lumber Standards Committee. These are incorporated into lumber design provisions and equations created by the American Wood Council and input into modeling and analysis TDD software created and owned by the MCP manufacturers. The lumber design values correspond with the grade stamp identified by the Truss Manufacturer on the lumber prior to cross cutting. The lumber grading rules published by the rules-writing agency shall apply to the Owner, Building Designer and Contractor. All capitalized terms are as defined in ANSI/TPI 1, the National Design Standard for Metal Plate Connected Wood Truss Construction (TPI 1).

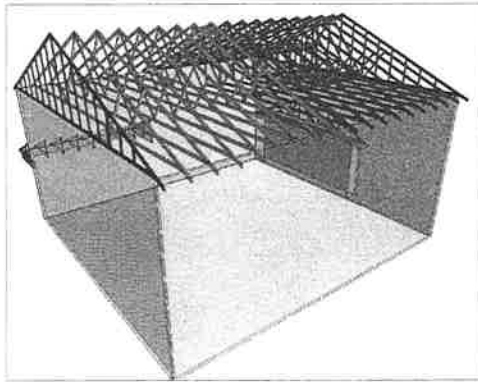


November 10, 2014

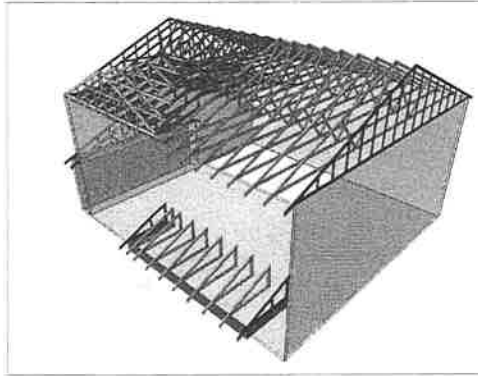
Ryan Dexter, P.E.

The design assumptions, loading conditions, suitability and use of this set of Truss designs for any Building is the responsibility of the Owner, the Owner's authorized agent or the Building Designer, in the context of the IRC, the IBC, the local building code and TPI 1. The approval of the TDD and any field use of the Truss, including handling, storage, installation and bracing, shall be the responsibility of the Building Designer and Contractor. All notes set out in the TDD and the practices and guidelines of Building Component Safety Information (BCSI) published by TPI and SBCA are referenced for general guidance. TPI 1 defines the responsibilities and duties of the Truss Designer, Truss Design Engineer and Truss Manufacturer, unless otherwise defined by a Contract agreed upon in writing by the parties involved. The Truss Design Engineer is NOT the Building Designer or Truss System Engineer for any Building.

DO NOT CUT TRUSSES! TRUSSES CUT BY ANY TRADE / SUB-CONTRACTOR WITHOUT FIRST RECEIVING PERMISSION AND DIRECTION FROM PROBuild, (740) 549 0465, SHALL BE CONTRACTOR / BUILDER RESPONSIBILITY! NO EXCEPTIONS



3D VIEW 2



3D VIEW 1

NOTES:

DO NOT CUT OR MODIFY TRUSSES.

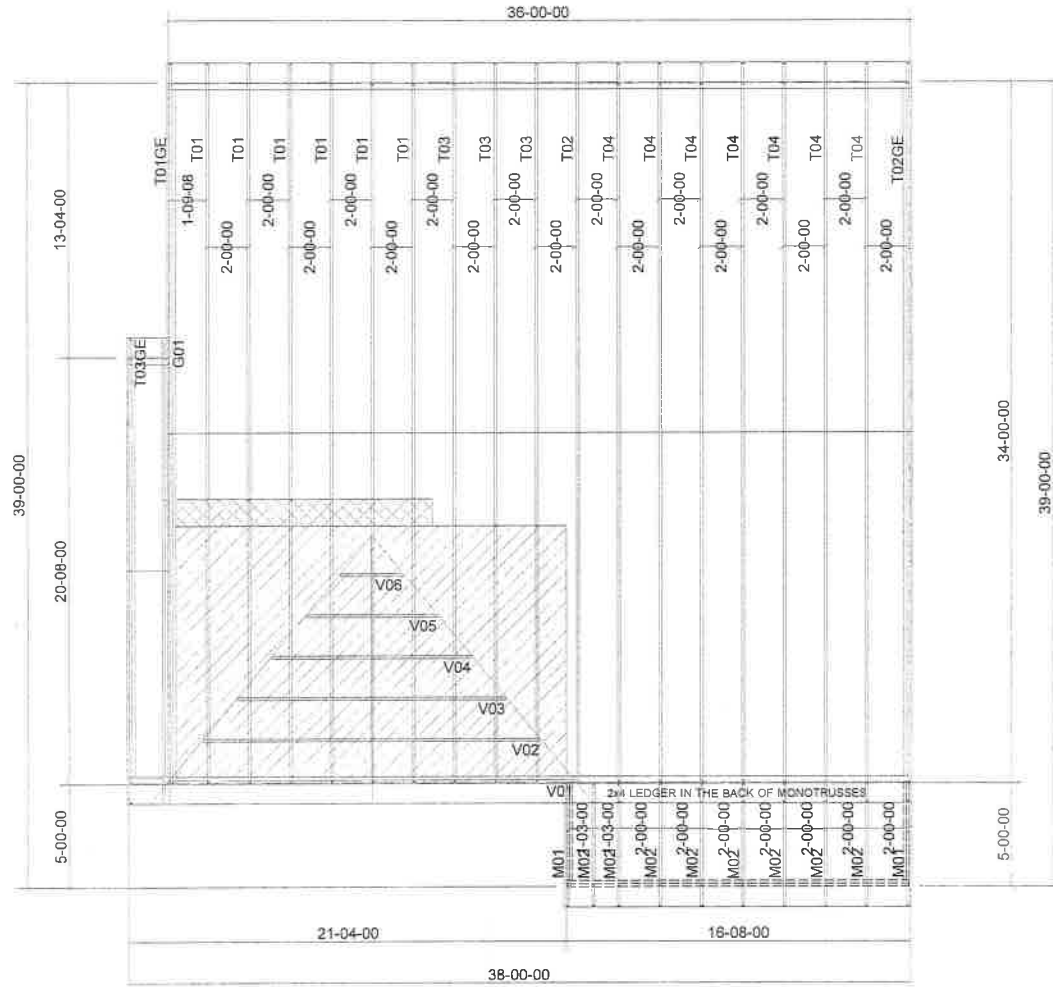
TRUSSES ARE SPACED 24" ON CENTER UNLESS NOTED OTHERWISE.

REFER TO THE INDIVIDUAL TRUSS DESIGN DRAWINGS FOR THE LOCATION OF LATERAL BRACING AND MULTI-PLY CONNECTION REQUIREMENTS.

PER ANSI TPI 1-2002 THE TRUSS ENGINEER IS RESPONSIBLE FOR TRUSS TO TRUSS CONNECTIONS AND TRUSS PLY TO PLY CONNECTIONS. THIS PLACEMENT PLAN RECOMMENDS TRUSS TO BEARING CONNECTIONS AND TRUSS TO BEAM CONNECTIONS WHICH SHALL BE REVIEWED BY THE BUILDING DESIGNER TO RESOLVE ALL ROOF FORCES ADEQUATELY TO THE FOUNDATION.

ALL TRUSS TIES TO BE INSTALLED BEFORE O.S.B. IS APPLIED TO ROOF

TRUSS PLACEMENT GUIDE



CUSTOMER:	ARBOR HOMES, LLC.
JOB NAME & MODEL:	BST30 - HAWTHORNE B
Address:	See separate sheet
Scale:	Job Number: 111421534
Date: 11/10/2014	Lot Number: 30
Drawn by: Xochil Saquetin	Designed by: Xochil Saquetin



ROOF LOADING	TCLL 25 PSF
	TCLS 0 PSF
	TCLD 10 PSF
	BCLL 10 PSF
	BCLD 10 PSF
	WIND SPEED 90 MPH
	CODE IRC 2006

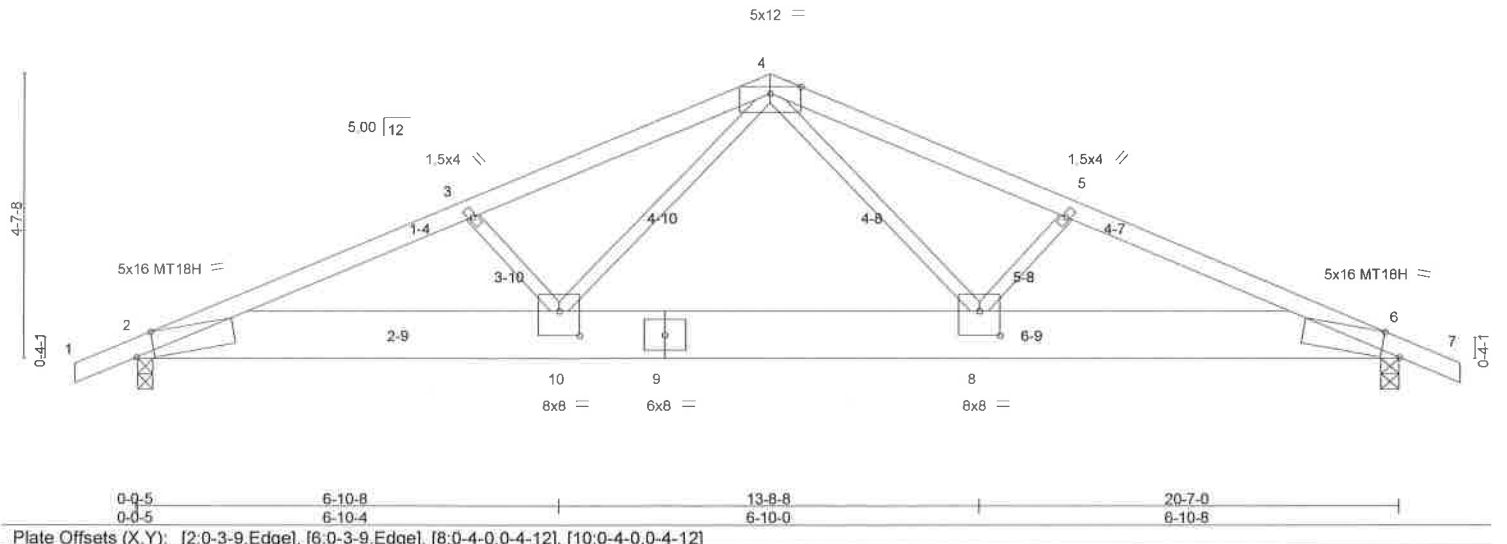
HANGER SCHEDULE		DESCRIPTION	QTY
A	H2.5A	LTHLR	-
B	HGU526-2	LUS24	-
C	HGU526-2-2	LUS26-2	-
D	HGU526-2	LUS410	-
E	HTL06	MUS26	-
F	LTHLR	THM42-2	-



Job BST30	Truss G01	Truss Type COMMON TRUSS	Gly 1	Ply 3	BST30	18975869
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PROBUILD, MOORESVILLE, IN 46158

7.430 s Oct 14 2013 MiTek Industries, Inc. Mon Nov 10 14:02:58 2014 Page 1
ID:qbVYJXGuluF2cSO2uAtrP?zYKUI-aoQeyD_m_VSpuPs1RH_JllmEVVJtedhxv0nlyKZSB



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.72	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plates Increase 1.15	BC 0.93	Vert(LL) -0.23 8-10 >999 240	MT18H	197/144
BCLL 0.0	Lumber Increase 1.15	WB 0.78	Vert(TL) -0.44 8-10 >556 180		
BCDL 10.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.05 6 n/a n/a		
	Code IRC2006/TPI2002			Weight: 362 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x10 SP 2400F 2.0E *Except*
6-9: 2x10 SP No.1
WEBS 2x3 SPF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=7559/0-2-15 (min. 0-2-1), 6=7560/0-3-8 (min. 0-3-0)
Max Horz 2=-55(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-14215/0, 3-4=-13935/0, 4-5=-14046/0, 5-6=-14321/0
BOT CHORD 2-10=0/13195, 9-10=0/8546, 8-9=0/8546, 6-8=0/13288
WEBS 4-8=0/6841, 5-8=-591/55, 4-10=0/6682, 3-10=-607/51

- NOTES** (10-13)
- 1) 3-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: 2x10 - 2 rows staggered at 0-6-0 oc.
Webs connected as follows: 2x3 - 1 row at 0-9-0 oc.
 - 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - 3) Unbalanced roof live loads have been considered for this design.
 - 4) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 2.
 - 8) This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 9) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
 - 10) 1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See
 - 11) BCSI1.
 - 12) 23. It is extremely important to properly install temporary lateral restraint and diagonal bracing, in
 - 13) accordance with BCSI-B2 or using proprietary methods (e.g. Stabilizer, etc.).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced) + Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-60, 4-7=-60, 2-6=-677(F=-658)



[Signature] November 10, 2014

Job	Truss	Truss Type	Qty	Ply	BST30	18975870
BST30	M01	GABLE	2	1		

PROBUILD, MOORESVILLE, IN 46158

7 430 s Oct 14 2013 MITek Industries, Inc. Mon Nov 10 14:02:59 2014 Page 1

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Scale = 1:15.1

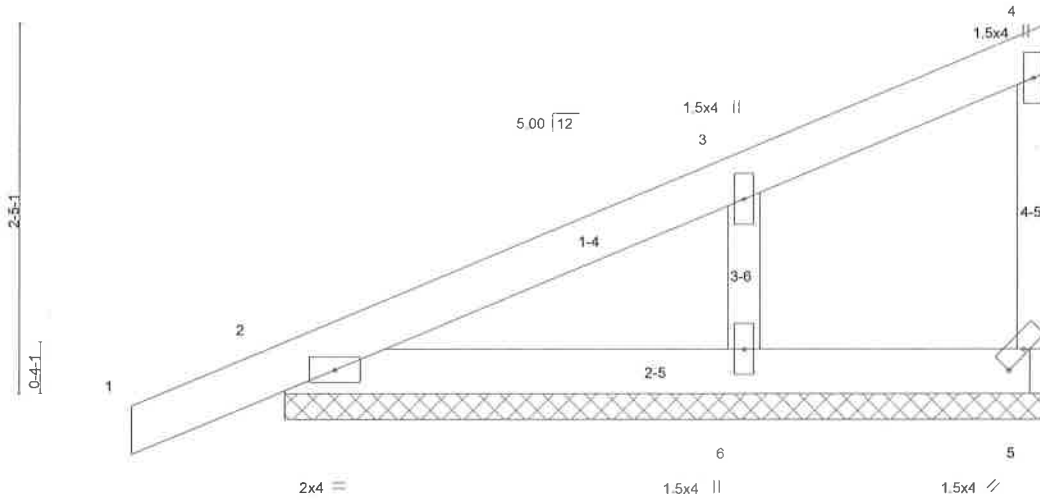


Plate Offsets (X,Y): [5:0-2-0,0-0-6]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.07	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plates Increase 1.15	BC 0.05	Vert(LL) 0.00 1 n/r 180		
BCLL 0.0	Lumber Increase 1.15	WB 0.03	Vert(TL) 0.00 1 n/r 120		
BCDL 10.0	Rep Stress Incr Yes	(Matrix)	Horz(TL) 0.00 5 n/a n/a		
	Code IRC2006/TPI2002			Weight: 15 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x3 SPF No.2	
OTHERS 2x3 SPF No.2	

REACTIONS (lb/size) 5=45/5-0-0 (min. 0-1-8), 2=170/5-0-0 (min. 0-1-8), 6=237/5-0-0 (min. 0-1-8)
 Max Horz 2=75(LC 5)
 Max Uplift 5=6(LC 5), 2=-34(LC 6), 6=-28(LC 6)

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

NOTES (10-13)

- 1) Wind: ASCE 7-05; 90mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) Gable requires continuous bottom chord bearing.
- 4) Gable studs spaced at 2-0-0 oc.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 5, 34 lb uplift at joint 2 and 28 lb uplift at joint 6.
- 7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 5.
- 8) This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 9) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- 10) 1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See
- 11) BCSI1.
- 12) 23. It is extremely important to properly install temporary lateral restraint and diagonal bracing, in
- 13) accordance with BCSI-B2 or using proprietary methods (e.g. Stabilizer, etc.).

LOAD CASE(S) Standard



[Signature] .November 10, 2014

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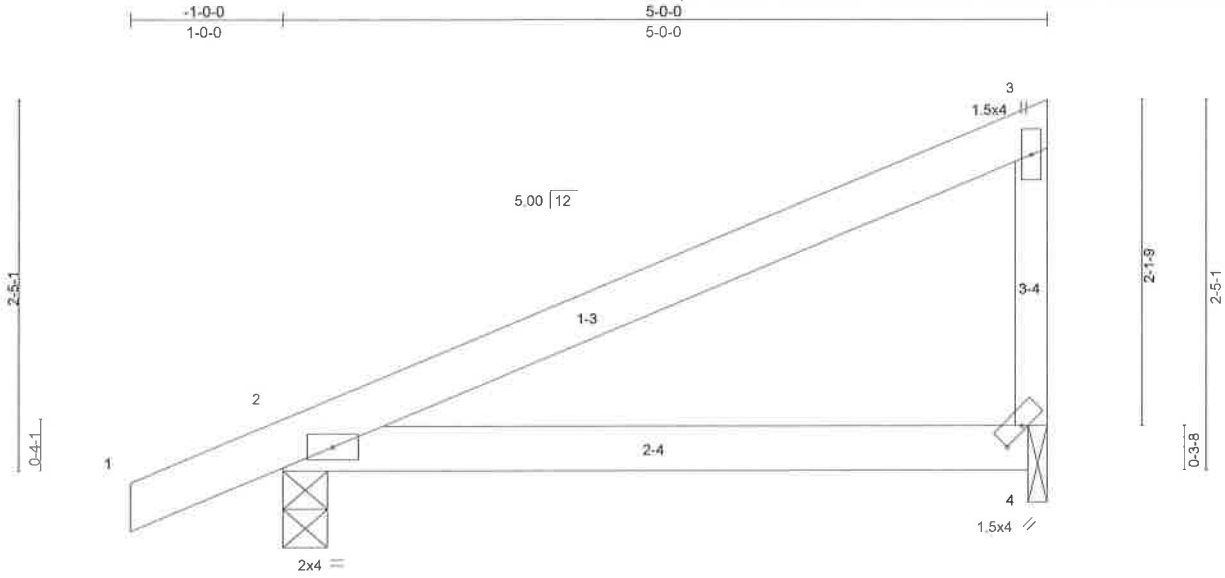
Job	Truss	Truss Type	Qty	Ply	BST30	18975871
BST30	M02	MONOPITCH TRUSS	8	1		

PROBUILD, MOORESVILLE, IN 46158

Job Reference (optional)

7.430 s Oct 14 2013 MITek Industries, Inc. Mon Nov 10 14:03:00 2014 Page 1

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

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.15	TC 0.24	Vert(LL)	0.06	2-4	>889	240	MT20	197/144
TCDL 10.0	Lumber Increase	1.15	BC 0.17	Vert(TL)	-0.08	2-4	>747	180		
BCLL 0.0	Rep Stress Incr	Yes	WB 0.00	Horz(TL)	0.00	4	n/a	n/a		
BCDL 10.0	Code IRC2006/TPI2002		(Matrix)						Weight: 15 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x3 SPF No.2	

REACTIONS (lb/size) 2=267/0-3-8 (min. 0-1-8), 4=182/0-1-8 (min. 0-1-8)
 Max Horz 2=75(LC 5)
 Max Uplift 2=90(LC 6), 4=58(LC 6)

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

- NOTES** (8-11)
- 1) Wind: ASCE 7-05; 90mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 90 lb uplift at joint 2 and 58 lb uplift at joint 4.
 - 6) This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
 - 8) 1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See
 - 9) BCSI1.
 - 10) 23. It is extremely important to properly install temporary lateral restraint and diagonal bracing, in
 - 11) accordance with BCSI-B2 or using proprietary methods (e.g. Stabilizer, etc.).

LOAD CASE(S) Standard



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November 10, 2014

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Job BST30	Truss T01	Truss Type SPECIAL TRUSS	Gly 6	Ply 1	BST30	18975872
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PROBUILD, MOORESVILLE, IN 46158
 Job Reference (optional)
 7 430 s Oct 14 2013 MITek Industries, Inc. Mon Nov 10 14:03:01 2014 Page 1
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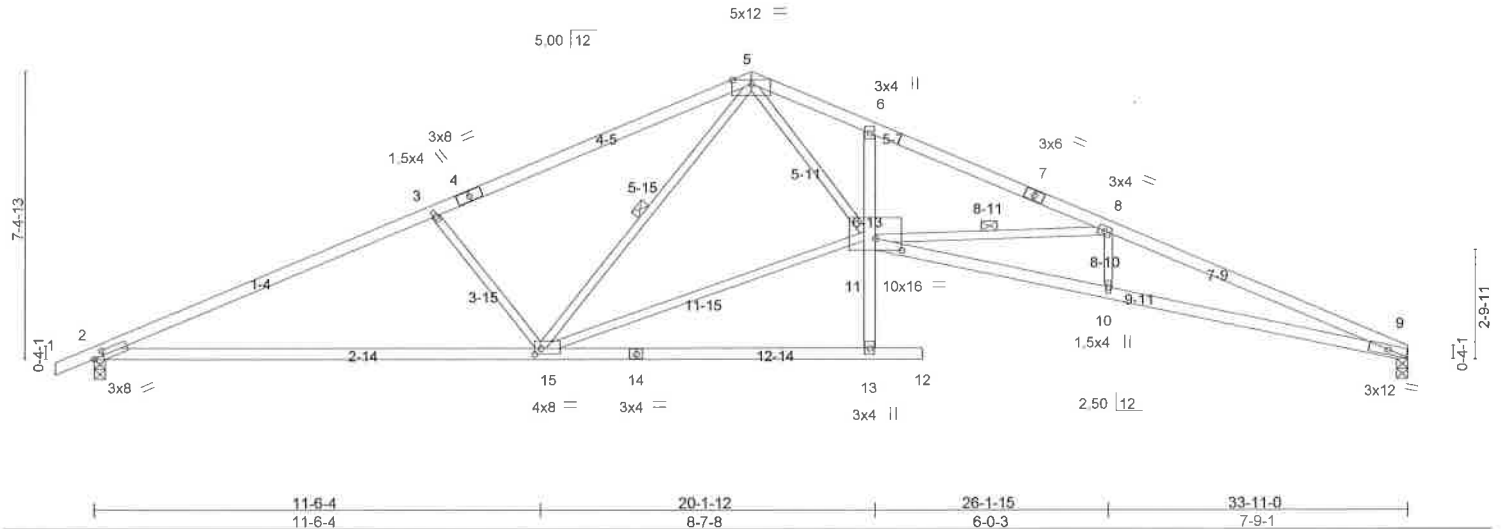


Plate Offsets (X,Y): [2:0-3-0,0-1-8], [11:0-8-0,0-3-9], [15:0-1-15,0-1-12]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.15	TC 0.95	Vert(LL)	-0.47	12	>861	MT20	169/123
TCDL 10.0	Lumber Increase	1.15	BC 0.86	Vert(TL)	-1.17	10-11	>346		
BCLL 0.0	Rep Stress Incr	Yes	WB 0.89	Horz(TL)	0.57	9	n/a		
BCDL 10.0	Code IRC2006/TPI2002		(Matrix)						
								Weight: 130 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SPF No.2 *Except* 7-9: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x4 SPF No.2 *Except* 2-14: 2x4 SP 2400F 2.0E, 6-13: 2x4 SPF-S Stud, 9-11: 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except: 10-0-0 oc bracing: 11-13
WEBS 2x3 SPF No.2	WEBS 1 Row at midpt 5-15, 8-11

REACTIONS (lb/size) 2=1425/0-3-8 (min. 0-1-8), 9=1360/0-3-8 (min. 0-1-9)
 Max Horz 2=83(LC 6)
 Max Uplift 2=99(LC 6), 9=59(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2762/382, 3-4=-2411/319, 4-5=-2301/353, 5-6=-3990/480, 6-7=-4037/432,
 7-8=-4115/406, 8-9=-5374/588
 BOT CHORD 2-15=-270/2462, 10-11=-487/4963, 9-10=-489/4978
 WEBS 3-15=-543/240, 11-15=-109/2225, 5-11=-204/2602, 8-11=-1158/244, 8-10=0/323

- NOTES** (8-11)
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 90mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 99 lb uplift at joint 2 and 59 lb uplift at joint 9.
 - 6) This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
 - 8) 1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See
 - 9) BCSI1.
 - 10) 23. It is extremely important to properly install temporary lateral restraint and diagonal bracing, in
 - 11) accordance with BCSI-B2 or using proprietary methods (e.g. Stabilizer, etc.).

LOAD CASE(S) Standard



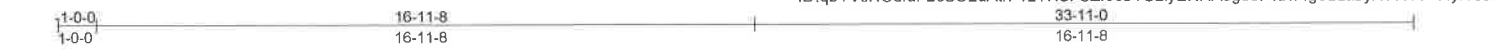
November 10, 2014

Job	Truss	Truss Type	Qty	Ply	BST30	18975873
BST30	T01GE	GABLE	1	1		

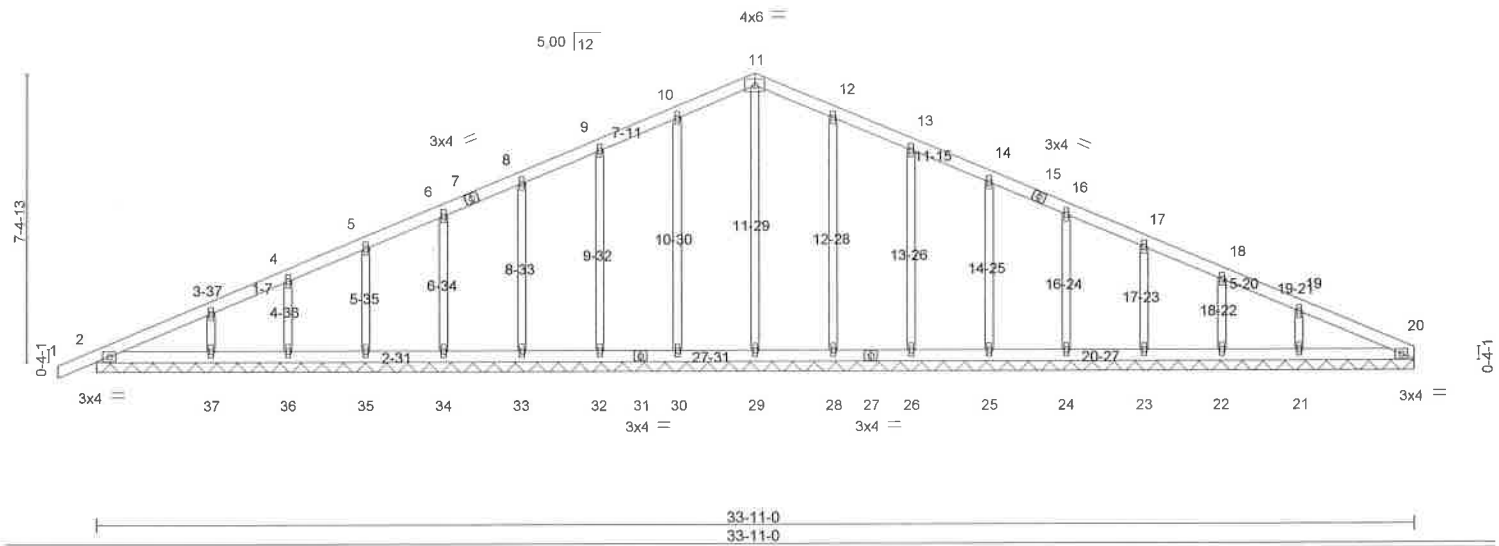
Job Reference (optional)

7.430 s Oct 14 2013 MiTek Industries, Inc. Mon Nov 10 14:03:02 2014 Page 1

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Scale = 1:59.3



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.15	TC 0.07	Vert(LL) -0.00 1 n/r 180	MT20	197/144
TCDL 10.0	Lumber Increase 1.15	BC 0.05	Vert(TL) 0.00 1 n/r 120		
BCLL 0.0	Rep Stress Incr Yes	WB 0.13	Horz(TL) 0.00 20 n/a n/a		
BCDL 10.0	Code IRC2006/TPI2002	(Matrix)		Weight: 128 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x3 SPF No.2	

REACTIONS All bearings 33-11-0.
 (lb) - Max Horz 2=83(LC 6)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 30, 32, 33, 34, 35, 36, 37, 28, 26, 25, 24, 23, 22, 21
 Max Grav All reactions 250 lb or less at joint(s) 2, 29, 30, 32, 33, 34, 35, 36, 37, 28, 26, 25, 24, 23, 22, 21,
 20

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

- NOTES** (11-14)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - All plates are 1.5x4 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 30, 32, 33, 34, 35, 36, 37, 28, 26, 25, 24, 23, 22, 21.
 - This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
 1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See
 - BCS11.
 23. It is extremely important to properly install temporary lateral restraint and diagonal bracing, in accordance with BCS1-B2 or using proprietary methods (e.g. Stabilizer, etc.).

LOAD CASE(S) Standard



[Signature] November 10, 2014

Job	Truss	Truss Type	Qty	Ply	BST30	18975874
BST30	T02	COMMON TRUSS	1	1		

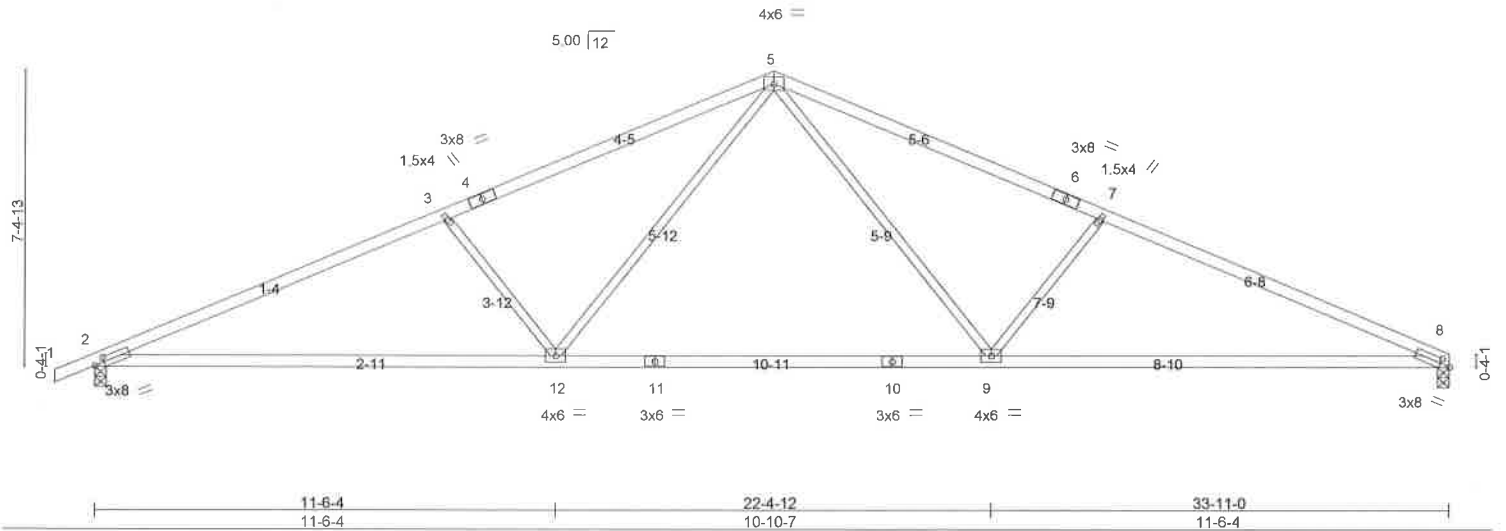
PROBUILD, MOORESVILLE, IN 46158

7 430 s Oct 14 2013 MiTek Industries, Inc. Mon Nov 10 14:03:02 2014 Page 1

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Scale = 1:57.8



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.15	TC 0.80	Vert(LL) -0.37 2-12 >999 240	MT20	197/144
TCDL 10.0	Lumber Increase 1.15	BC 0.64	Vert(TL) -1.10 8-9 >366 180		
BCLL 0.0	Rep Stress Incr Yes	WB 0.30	Horz(TL) 0.13 8 n/a n/a		
BCDL 10.0	Code IRC2006/TPI2002	(Matrix)		Weight: 113 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD 2x4 SP No.1 *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
10-11: 2x4 SPF No.2	
WEBS 2x3 SPF No.2	

REACTIONS (lb/size) 2=1415/0-3-8 (min. 0-1-11), 8=1344/0-3-8 (min. 0-1-9)
 Max Horz 2=83(LC 6)
 Max Uplift 2=106(LC 6), 8=69(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2717/393, 3-4=-2401/337, 4-5=-2293/371, 5-6=-2298/376, 6-7=-2407/341, 7-8=-2723/398
 BOT CHORD 2-12=-281/2440, 11-12=-97/1606, 10-11=-97/1606, 9-10=-97/1606, 8-9=-286/2447
 WEBS 5-9=-73/867, 7-9=-549/238, 5-12=-67/859, 3-12=-546/235

- NOTES** (7-10)
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 2=106.
 - 5) This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 6) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
 - 7) 1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See
 - 8) BCSI1.
 - 9) 23. It is extremely important to properly install temporary lateral restraint and diagonal bracing, in
 - 10) accordance with BCSI-B2 or using proprietary methods (e.g. Stabilizer, etc.).

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[Handwritten Signature]

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Job	Truss	Truss Type	Qty	Ply	BST30	18975875
BST30	T02GE	GABLE	1	1		

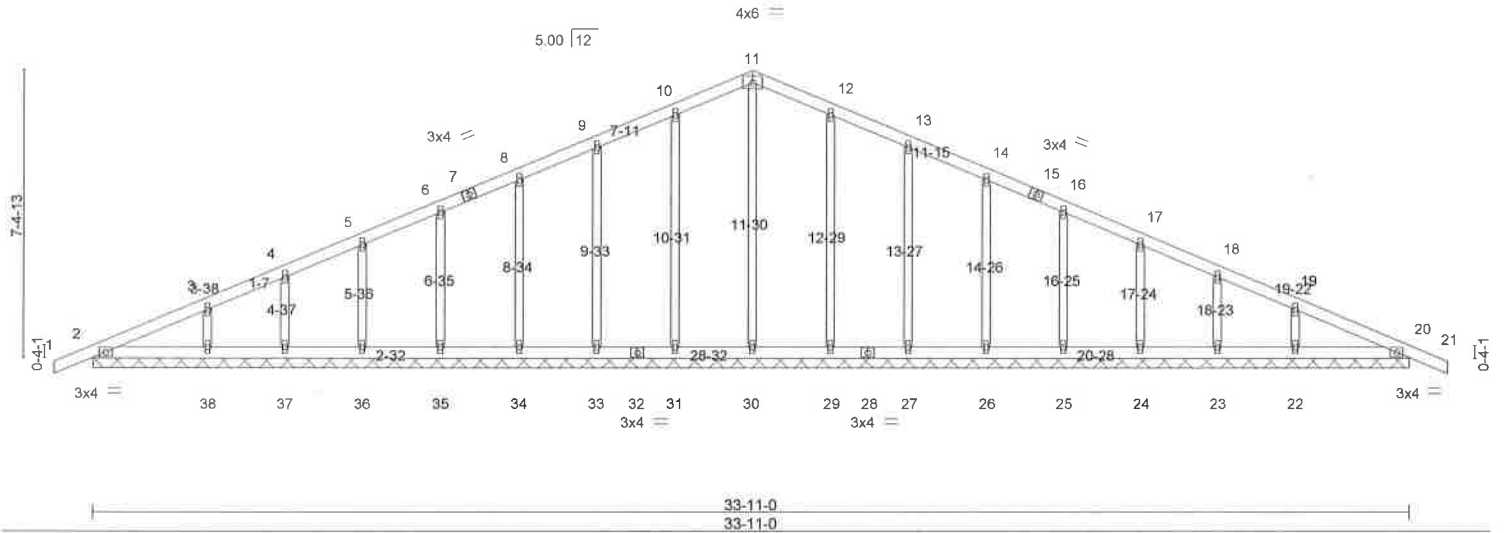
PROBUILD, MOORESVILLE, IN 46158

Job Reference (optional)
7.430 s Oct 14 2013 MITek Industries, Inc. Mon Nov 10 14:03:03 2014 Page 1

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Scale = 1:59.4



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.06	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plates Increase 1.15	BC 0.04	Vert(LL) 0.00 20 n/r 180		
BCLL 0.0	Lumber Increase 1.15	WB 0.13	Vert(TL) 0.00 21 n/r 120		
BCDL 10.0	Rep Stress Incr Yes	(Matrix)	Horz(TL) 0.00 20 n/a n/a		
	Code IRC2006/TPI2002			Weight: 129 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x3 SPF No.2

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

REACTIONS All bearings 33-11-0.
(lb) - Max Horz 2=77(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 2, 31, 33, 34, 35, 36, 37, 38, 29, 27, 26, 25, 24, 23, 22, 20
Max Grav All reactions 250 lb or less at joint(s) 2, 30, 31, 33, 34, 35, 36, 37, 38, 29, 27, 26, 25, 24, 23, 22, 20

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

NOTES (11-14)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 90mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 1.5x4 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 31, 33, 34, 35, 36, 37, 38, 29, 27, 26, 25, 24, 23, 22, 20.
- This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See
- BCS11.
23. It is extremely important to properly install temporary lateral restraint and diagonal bracing, in
- accordance with BCS1-B2 or using proprietary methods (e.g. Stabilizer, etc.).

LOAD CASE(S) Standard



November 10, 2014

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Job BST30	Truss T03	Truss Type Special Truss	Qty 3	Ply 1	BST30	18975876
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PROBUILD, MOORESVILLE, IN 46158

7.430 s Oct 14 2013 MiTek Industries, Inc. Mon Nov 10 14:03:04 2014 Page 1

ID:qbYVJXGuluF2cSO2uAtrP?zYKUI-PynvDH2XaMCyckJAnX5j600F2wO52IRqZqU540yKZSS



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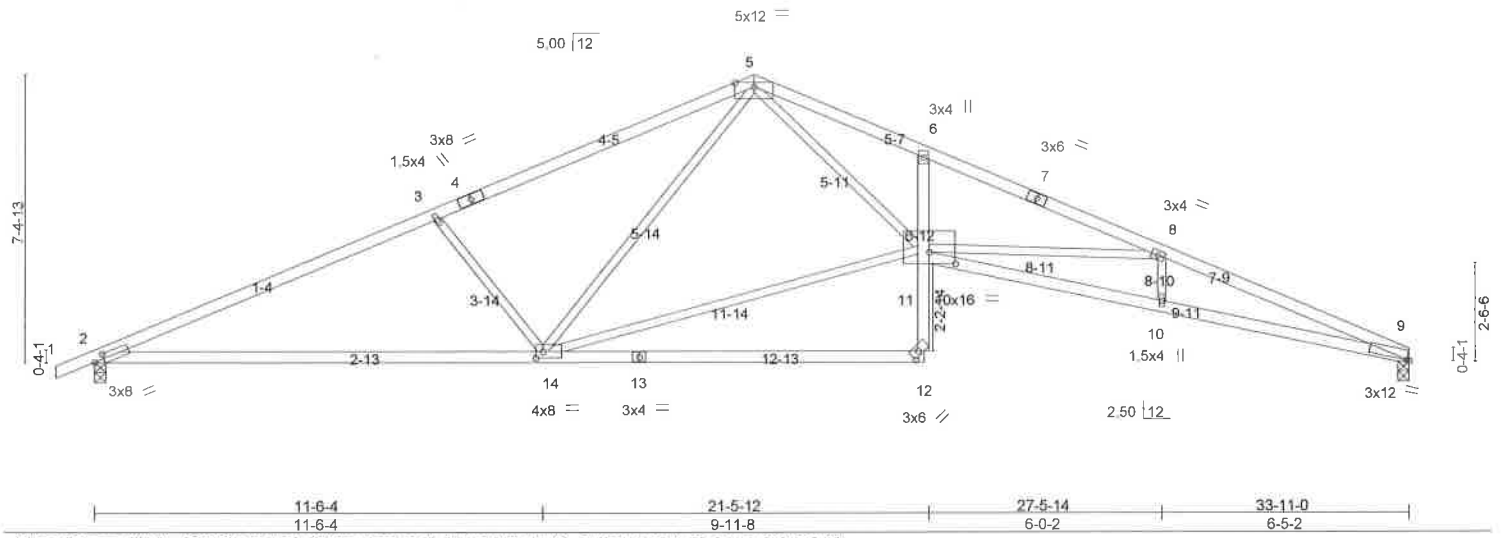


Plate Offsets (X, Y): [2-0-3-0,0-1-8], [9-0-0-13,0-0-0], [11-0-8-0,0-3-9], [12-0-2-7,0-1-7], [14-0-2-3,0-2-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.15	TC 0.78	Vert(LL)	-0.47 10-11	>855	240	MT20	169/123
TCDL 10.0	Lumber Increase	1.15	BC 0.81	Vert(TL)	-1.26 2-14	>320	180		
BCLL 0.0	Rep Stress Incr	Yes	WB 0.96	Horz(TL)	0.56 9	n/a	n/a		
BCDL 10.0	Code IRC2006/TPI2002		(Matrix)					Weight: 126 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SP No.1 *Except*
6-12: 2x4 SPF-S Stud, 12-13: 2x4 SPF No.2
WEBS 2x3 SPF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-1-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 2=1415/0-3-8 (min, 0-1-11), 9=1344/0-3-8 (min, 0-1-9)
Max Horz 2=83(LC 6)
Max Uplift 2=-106(LC 6), 9=-69(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2720/395, 3-4=-2384/331, 4-5=-2274/365, 5-6=-4176/583, 6-7=-4215/516, 7-8=-4290/502, 8-9=-5381/650
BOT CHORD 2-14=-283/2443, 6-11=-301/138, 10-11=-556/4977, 9-10=-556/4983
WEBS 3-14=-550/241, 5-14=-26/387, 11-14=-128/1960, 5-11=-289/2671, 8-11=-1009/212, 8-10=0/280

- NOTES** (8-11)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Bearing at joint(s) 9 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) 9 except (jt=lb) 2=106.
 - This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
 - Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See
 - BCS11.
 23. It is extremely important to properly install temporary lateral restraint and diagonal bracing, in
 - accordance with BCSI-B2 or using proprietary methods (e.g. Stabilizer, etc.).

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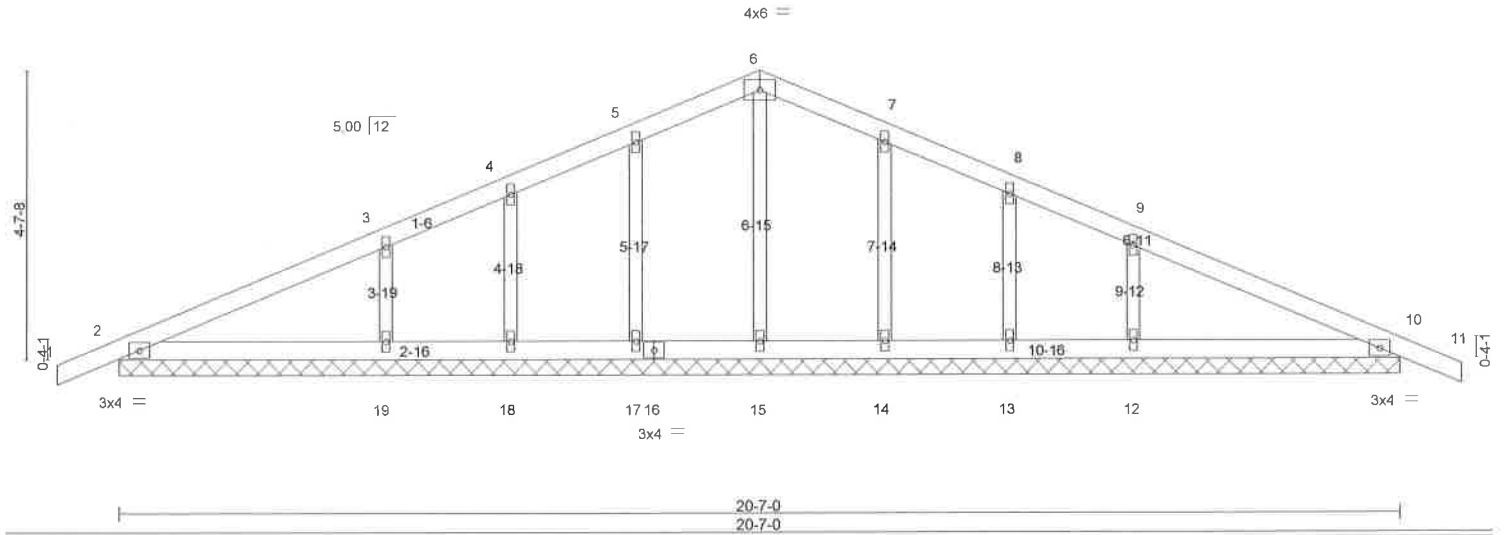
Job BST30	Truss T03GE	Truss Type GABLE	Qty 1	Ply 1	BST30	18975877
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PROBUILD, MOORESVILLE, IN 46158

Job Reference (optional)
7 430 s Oct 14 2013 MiTek Industries, Inc. Mon Nov 10 14:03:04 2014 Page 1
ID:qbYVJXGuluF2cSO2uAtrP?zYKUI-PynvDH2XaMCyckJAnX5j600P7wZK2WmqZqU54OyKZSS5



Scale = 1:37,0



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.13	in (loc) l/def L/d	MT20	197/144
TCDL 10.0	Plates Increase 1.15	BC 0.09	Vert(LL) 0.01 11 n/r 180		
BCLL 0.0	Lumber Increase 1.15	WB 0.05	Vert(TL) 0.02 11 n/r 120		
BCDL 10.0	Rep Stress Incr Yes	(Matrix)	Horz(TL) 0.00 10 n/a n/a		
	Code IRC2006/TPI2002			Weight: 67 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x3 SPF No.2	

REACTIONS All bearings 20-7-0.
(lb) - Max Horz 2=51(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 2, 17, 18, 19, 14, 13, 12, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 15, 17, 18, 14, 13, 10 except 19=337(LC 10), 12=337(LC 11)

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

- NOTES** (11-14)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - All plates are 1.5x4 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 17, 18, 19, 14, 13, 12, 10.
 - This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
 1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See
 - BCS1.
 23. It is extremely important to properly install temporary lateral restraint and diagonal bracing, in
 - accordance with BCS1-B2 or using proprietary methods (e.g. Stabilizer, etc.).

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[Signature]

November 10, 2014

Job BST30	Truss T04	Truss Type COMMON TRUSS	Qty 7	Ply 1	BST30	18975878
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PROBUILD, MOORESVILLE, IN 46158

Job Reference (optional)

7 430 s Oct 14 2013 MITek Industries, Inc. Mon Nov 10 14:03:05 2014 Page 1

ID:qbYVJXGuluF2cSO2uAtrP?zYKUI-t8LIQc39LgKpEuuNLfCylEYQJm6nv2zoUDfrcyKZS4



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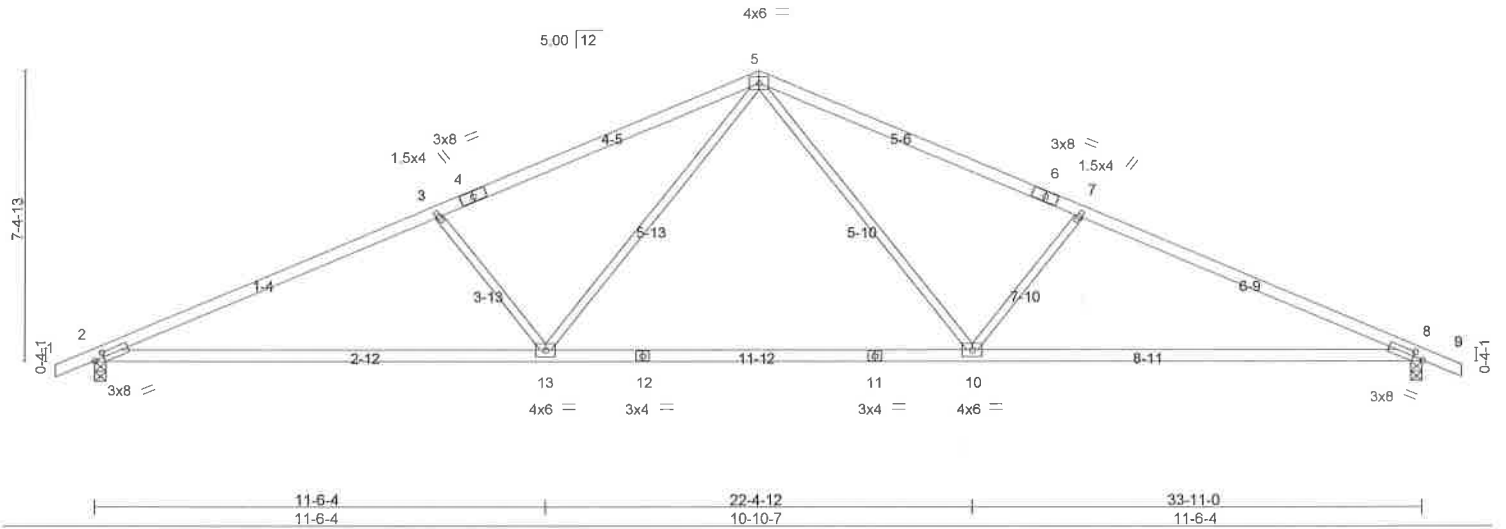


Plate Offsets (X,Y): [2:0-3-0,0-1-8], [8:0-3-0,0-1-8]							
LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP		
TCLL 20.0	Plates Increase 1.15	TC 0.78	Vert(LL) -0.37 2-13 >999 240	MT20	197/144		
TCDL 10.0	Lumber Increase 1.15	BC 0.63	Vert(TL) -1.09 2-13 >370 180				
BCLL 0.0	Rep Stress Incr Yes	WB 0.30	Horz(TL) 0.13 8 n/a n/a				
BCDL 10.0	Code IRC2006/TPI2002	(Matrix)					Weight: 114 lb FT = 20%

LUMBER
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SP No.1 *Except*
 11-12: 2x4 SPF No.2
 WEBS 2x3 SPF No.2

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

REACTIONS (lb/size) 2=1414/0-3-8 (min. 0-1-11), 8=1414/0-3-8 (min. 0-1-11)
 Max Horz 2=-77(LC 7)
 Max Uplift 2=-105(LC 6), 8=-105(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2715/391, 3-4=-2399/335, 4-5=-2290/369, 5-6=-2290/369, 6-7=-2399/335, 7-8=-2715/391
 BOT CHORD 2-13=-258/2437, 12-13=-74/1603, 11-12=-74/1603, 10-11=-74/1603, 8-10=-258/2437
 WEBS 5-10=-68/860, 7-10=-546/235, 5-13=-68/860, 3-13=-546/235

- NOTES** (7-10)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=105, 8=105.
 - This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
 1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See
 - BCS1.
 23. It is extremely important to properly install temporary lateral restraint and diagonal bracing, in
 - accordance with BCS1-B2 or using proprietary methods (e.g. Stabilizer, etc.).

LOAD CASE(S) Standard



November 10, 2014

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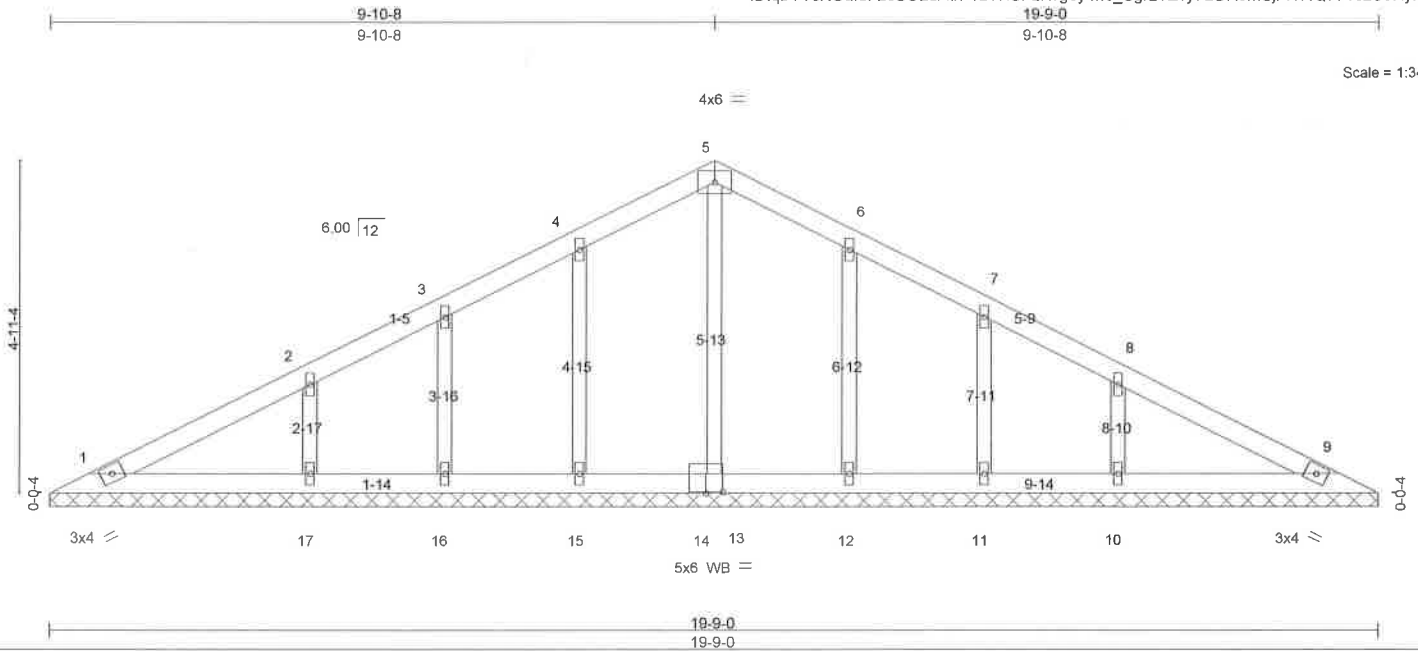


Job BST30	Truss V01	Truss Type GABLE	Qty 1	Ply 1	BST30	18975879
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PROBUILD, MOORESVILLE, IN 46158

Job Reference (optional)

7.430 s Oct 14 2013 MiTek Industries, Inc. Mon Nov 10 14:03:06 2014 Page 1
ID:qbYVJXGuluF2cSO2uAtrP?zYKUI-LKvgey4n6_Sgr2TZvy7BBR5mSjFNWQ7718zc9HyKZS3



Scale = 1:34.3

LOADING (psf)		SPACING		CSI		DEFL				PLATES	GRIP	
TCLL	20.0	Plates Increase	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber Increase	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	Yes	WB	0.05	Horz(TL)	0.00	9	n/a	n/a		
BCDL	10.0	Code IRC2006/TPI2002		(Matrix)							Weight: 61 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x3 SPF No.2		

REACTIONS All bearings 19-9-0.
 (lb) - Max Horz 1=45(LC 5)
 Max Uplift All uplift 100 lb or less at joint(s) 15, 16, 17, 12, 11, 10
 Max Grav All reactions 250 lb or less at joint(s) 1, 9, 13, 15, 16, 12, 11 except 17=265(LC 10), 10=265(LC 11)

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

- NOTES** (11-14)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - All plates are 1.5x4 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 16, 17, 12, 11, 10.
 - This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
 1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See
 - BCS11.
 23. It is extremely important to properly install temporary lateral restraint and diagonal bracing, in
 - accordance with BCS1-B2 or using proprietary methods (e.g. Stabilizer, etc.).

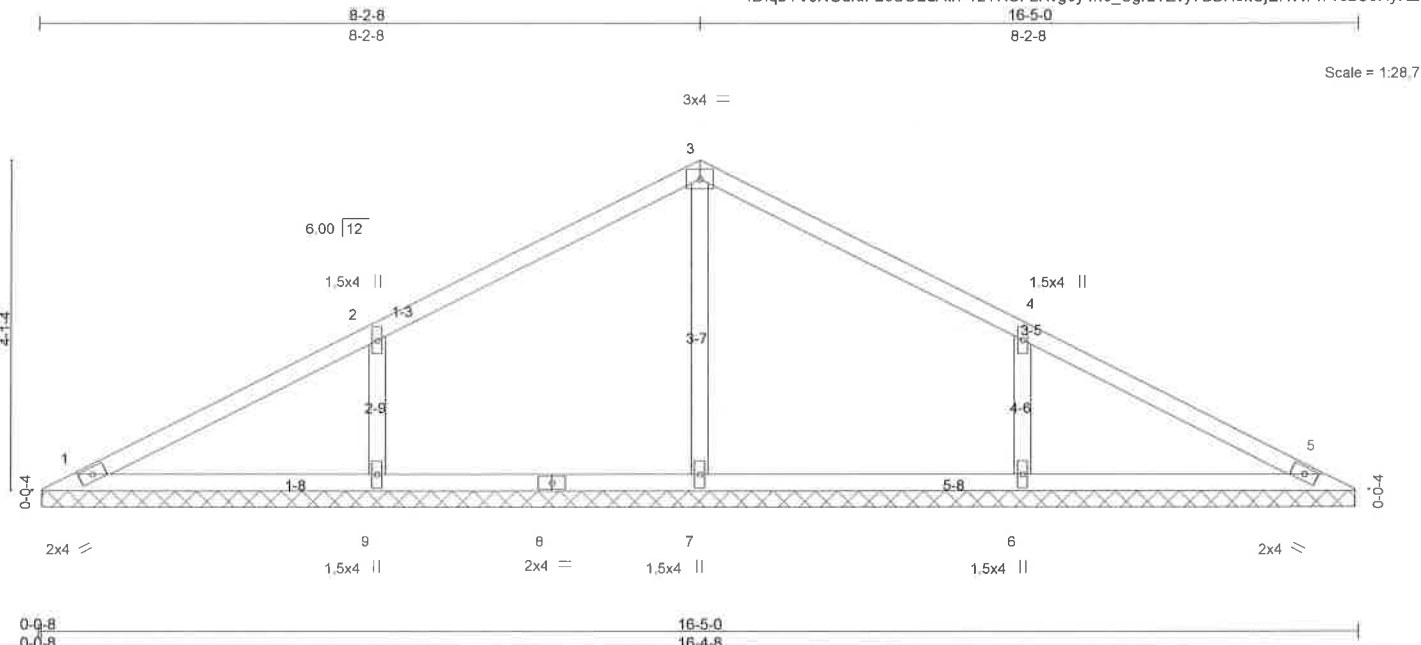
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Job	Truss	Truss Type	Qty	Ply	BST30	18975880
BST30	V02	Valley	1	1		

PROBUILD, MOORESVILLE, IN 46158
 7.430 s Oct 14 2013 MITek Industries, Inc. Mon Nov 10 14:03:06 2014 Page 1
 ID:qbYVJXGuluF2cSO2uAtrP7zYKUI-LKvgey4n6_Sgr2TZvy7BBR5kCJEHWp71BzC9HyKZS3



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plates Increase	1.15	TC 0.22	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL 10.0	Lumber Increase	1.15	BC 0.12	Vert(TL)	n/a	-	n/a	999		
BCLL 0.0	Rep Stress Incr	Yes	WB 0.08	Horz(TL)	0.00	5	n/a	n/a		
BCDL 10.0	Code IRC2006/TPI2002		(Matrix)						Weight: 33 lb	FT = 20%

LUMBER
 TOP CHORD 2x3 SPF No.2
 BOT CHORD 2x3 SPF No.2
 OTHERS 2x3 SPF No.2

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

REACTIONS All bearings 16-4-0.
 (lb) - Max Horz 1=-38(LC 4)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 9, 6
 Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=263(LC 1), 9=368(LC 10), 6=368(LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-272/134, 4-6=-272/134

- NOTES** (8-11)
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9, 6.
 - 6) This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
 - 8) 1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See
 - 9) BCSI1.
 - 10) 23. It is extremely important to properly install temporary lateral restraint and diagonal bracing, in
 - 11) accordance with BCSI-B2 or using proprietary methods (e.g. Stabilizer, etc.).

LOAD CASE(S) Standard

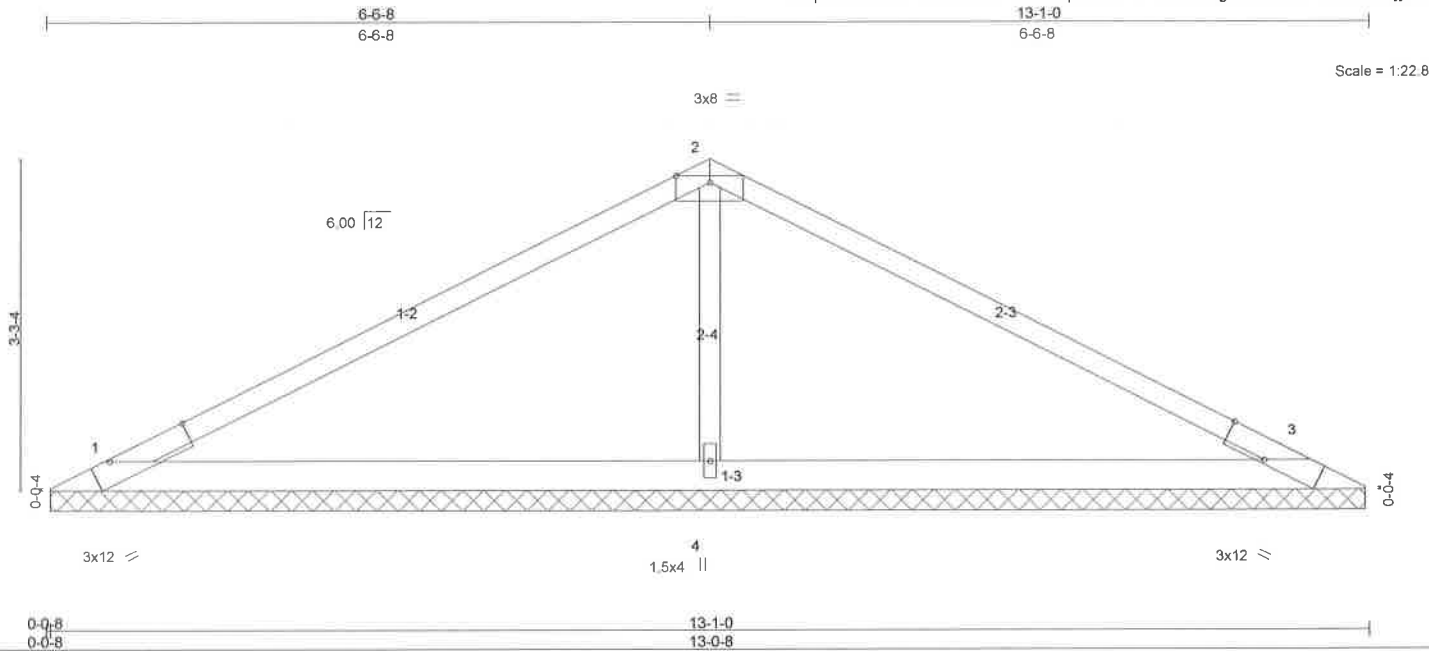


[Signature] November 10, 2014

Job	Truss	Truss Type	Qty	Ply	BST30	18975881
BST30	V03	Valley	1	1		

PROBUILD, MOORESVILLE, IN 46158

Job Reference (optional)
7.430 s Oct 14 2013 MITEK Industries, Inc. Mon Nov 10 14:03:07 2014 Page 1
ID:qbYVJXGuluF2cSO2uAtrP?zYKUI-pXT2rI5PIHaXC2ITgeQkfet7X3FstGGoiMhijKZS2



LOADING (psf)		SPACING		CSI		DEFL		PLATES		GRIP	
TCLL	20.0	Plates Increase	2-0-0	TC	0.37	in (loc)	l/defl	L/d	MT20	197/144	
TCDL	10.0	Lumber Increase	1.15	BC	0.28	Vert(LL)	n/a	n/a			
BCLL	0.0	Rep Stress Incr	Yes	WB	0.08	Vert(TL)	n/a	n/a			
BCDL	10.0	Code IRC2006/TPI2002		(Matrix)		Horz(TL)	0.00	3			
									Weight: 28 lb	FT = 20%	

LUMBER		BRACING	
TOP CHORD	2x3 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x3 SPF No.2		

REACTIONS (lb/size) 1=208/13-0-0 (min. 0-1-8), 3=208/13-0-0 (min. 0-1-8), 4=530/13-0-0 (min. 0-1-8)
 Max Horz 1=-29(LC 4)
 Max Uplift 1=-21(LC 6), 3=-26(LC 7), 4=-3(LC 6)
 Max Grav 1=213(LC 10), 3=213(LC 11), 4=530(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-302/102

- NOTES** (8-11)
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 90mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
 - 6) This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
 - 8) 1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See
 - 9) BCSI1.
 - 10) 23. It is extremely important to properly install temporary lateral restraint and diagonal bracing, in
 - 11) accordance with BCSI-B2 or using proprietary methods (e.g. Stabilizer, etc.).

LOAD CASE(S) Standard



[Signature] November 10, 2014

WARNING - Please thoroughly review the "Customer's Acknowledgement of ProBuild Standard Terms for Manufactured Products" form. Verify design parameters and read notes on this Truss Design Drawing (TDD) and the DrJ Reference Sheet (rev. 11-14) before use. Unless otherwise stated on the TDD, only MITEK connector plates shall be used for this TDD to be valid. As a Truss Design Engineer (i.e., Specialty Engineer), the seal on any TDD represents an acceptance of the professional engineering responsibility for the design of the single Truss depicted on the TDD only, under TPI 1. The design assumptions, loading conditions, suitability and use of this Truss for any Building is the responsibility of the Owner, the Owner's authorized agent or the Building Designer, in the context of the IRC, the IBC, the local building code and TPI 1. The approval of the TDD and any field use of the Truss, including handling, storage, installation and bracing, shall be the responsibility of the Building Designer and Contractor. All notes set out in the TDD and the practices and guidelines of Building Component Safety Information (BCSI) published by TPI and SBCA are referenced for general guidance. TPI 1 defines the responsibilities and duties of the Truss Designer, Truss Design Engineer and Truss Manufacturer, unless otherwise defined by a Contract agreed upon in writing by all parties involved. The Truss Design Engineer is NOT the Building Designer or Truss System Engineer for any building. All capitalized terms are as defined in TPI 1.



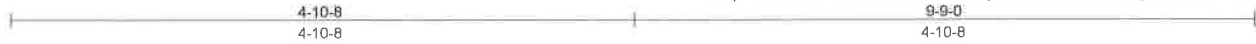
Job	Truss	Truss Type	Qty	Ply	BST30	i8975882
BST30	V04	Valley	1	1		

PROBUILD, MOORESVILLE, IN 46158

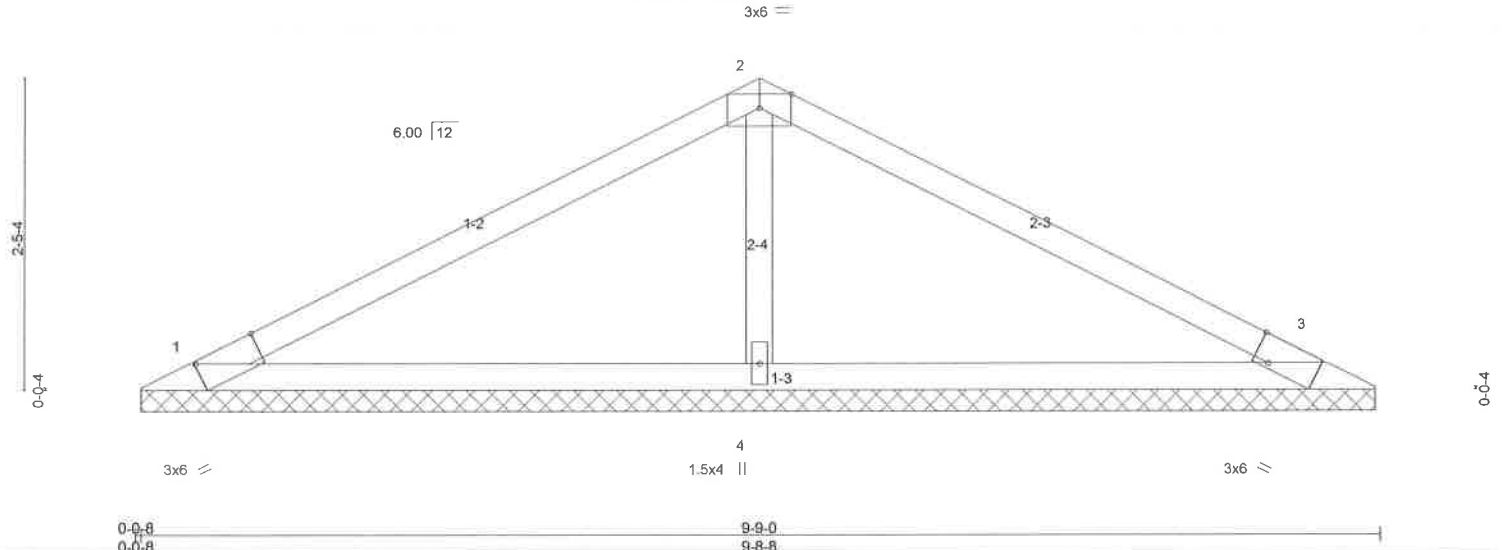
Job Reference (optional)

7.430 s Oct 14 2013 MITEK Industries, Inc. Mon Nov 10 14:03:07 2014 Page 1

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Scale = 1:18.1



LOADING (psf)		SPACING		CSI		DEFL		PLATES		GRIP	
TCLL	20.0	Plates Increase	2-0-0	TC	0.21	in (loc)	l/defl	L/d	MT20	197/144	
TCDL	10.0	Lumber Increase	1.15	BC	0.24	Vert(LL)	n/a	n/a			
BCLL	0.0	Rep Stress Incr	Yes	WB	0.05	Vert(TL)	n/a	n/a			
BCDL	10.0	Code IRC2006/TPI2002		(Matrix)		Horz(TL)	0.00	3	n/a	n/a	
										Weight: 18 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x3 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x3 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x3 SPF No.2		

REACTIONS (lb/size) 1=157/9-8-0 (min. 0-1-8), 3=157/9-8-0 (min. 0-1-8), 4=391/9-8-0 (min. 0-1-8)
 Max Horz 1=-22(LC 4)
 Max Uplift 1=-17(LC 6), 3=-21(LC 7), 4=-1(LC 6)
 Max Grav 1=160(LC 10), 3=160(LC 11), 4=391(LC 1)

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

- NOTES** (8-11)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
 - This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
 - 1) Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCS11.
 - BCS11.
 23. It is extremely important to properly install temporary lateral restraint and diagonal bracing, in accordance with BCS1-B2 or using proprietary methods (e.g. Stabilizer, etc.).

LOAD CASE(S) Standard



[Handwritten Signature]

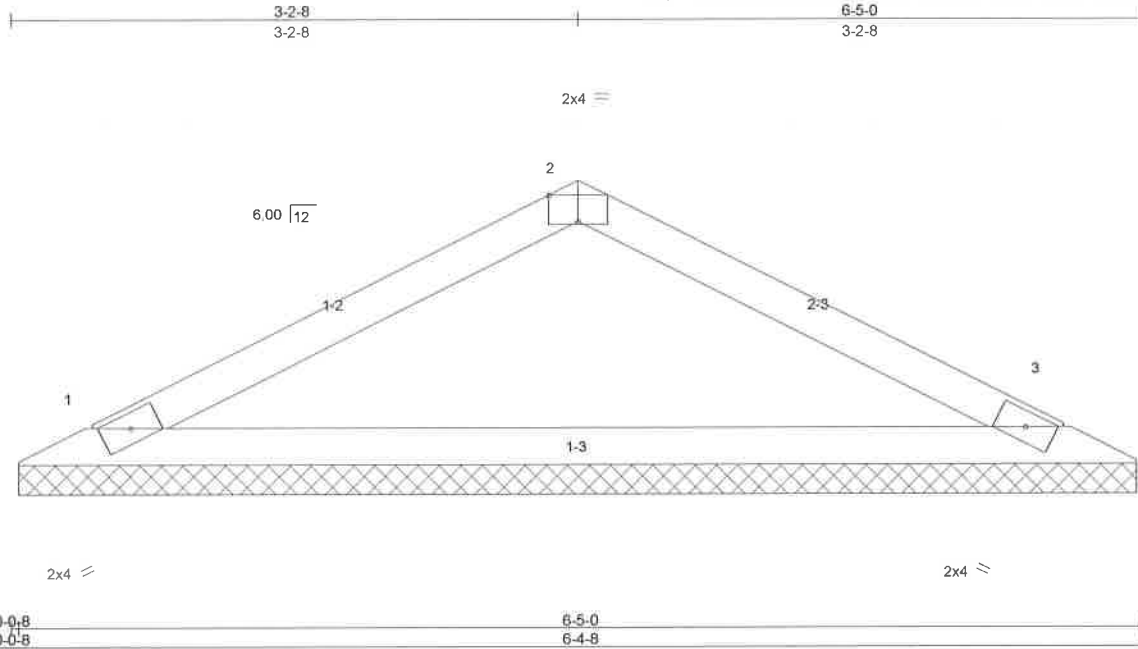
November 10, 2014

Job	Truss	Truss Type	Qty	Ply	BST30	18975883
BST30	V05	Valley	1	1		

PROBUILD, MOORESVILLE, IN 46158

7 430 s Oct 14 2013 MiTek Industries, Inc. Mon Nov 10 14:03:07 2014 Page 1

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Scale = 1:13,1

LOADING (psf)		SPACING	2-0-0	CSI		DEFL		PLATES		GRIP
TCLL	20.0	Plates Increase	1.15	TC	0.18	Vert(LL)	n/a	l/defl	n/a	999
TCDL	10.0	Lumber Increase	1.15	BC	0.45	Vert(TL)	n/a	L/d	n/a	999
BCLL	0.0	Rep Stress Incr	Yes	WB	0.00	Horz(TL)	0.00			
BCDL	10.0	Code	IRC2006/TPI2002	(Matrix)						
									Weight: 10 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x3 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x3 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=220/6-4-0 (min. 0-1-8), 3=220/6-4-0 (min. 0-1-8)
 Max Horz 1=-13(LC 4)
 Max Uplift 1=-11(LC 6), 3=-11(LC 7)

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

NOTES (8-11)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- 6) This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- 8) 1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See
- 9) BCSI1.
- 10) 23. It is extremely important to properly install temporary lateral restraint and diagonal bracing, in
- 11) accordance with BCSI-B2 or using proprietary methods (e.g. Stabilizer, etc.).

LOAD CASE(S) Standard



[Handwritten Signature]

November 10, 2014

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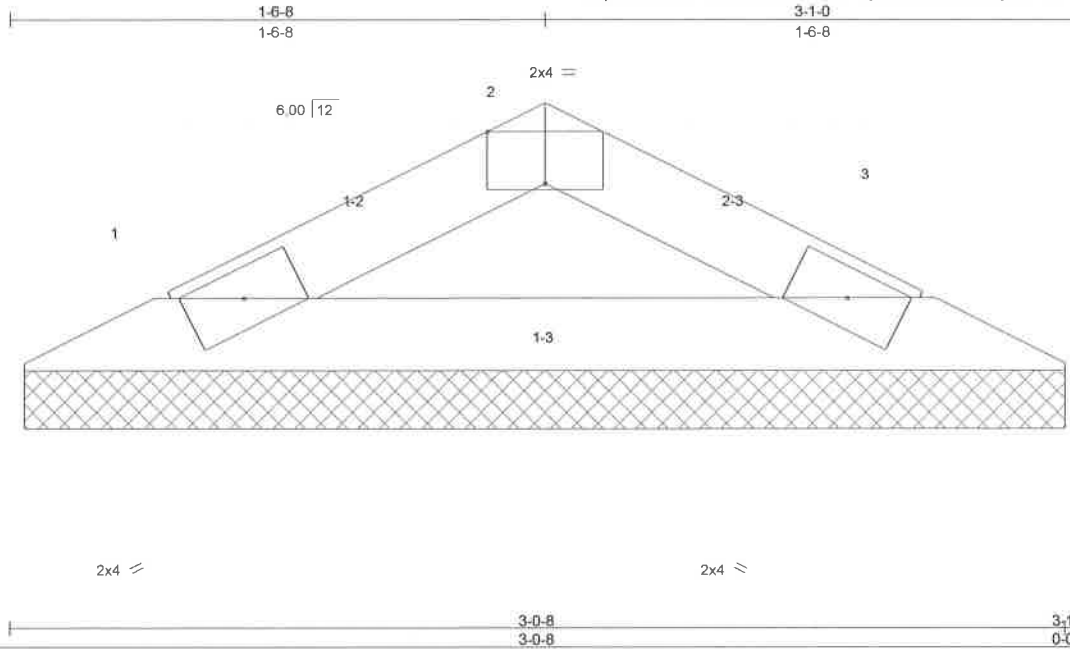


Job BST30	Truss V06	Truss Type Valley	Qty 1	Ply 1	BST30	18975884
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PROBUILD, MOORESVILLE, IN 46158

7.430 s Oct 14 2013 MiTek Industries, Inc. Mon Nov 10 14:03:08 2014 Page 1

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Scale = 1:6.6

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

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.15	TC 0.03	Vert(LL)	n/a	-	n/a	MT20	197/144
TCDL 10.0	Lumber Increase	1.15	BC 0.07	Vert(TL)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr	Yes	WB 0.00	Horz(TL)	0.00	3	n/a		
BCDL 10.0	Code IRC2006/TPI2002		(Matrix)					Weight: 4 lb	FT = 20%

LUMBER

TOP CHORD 2x3 SPF No.2
BOT CHORD 2x3 SPF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-1-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=86/3-0-0 (min. 0-1-8), 3=86/3-0-0 (min. 0-1-8)
Max Horz 1=5(LC 4)
Max Uplift 1=4(LC 6), 3=4(LC 7)

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

NOTES (8-11)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 90mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See
- BCS1.
23. It is extremely important to properly install temporary lateral restraint and diagonal bracing, in
- accordance with BCS1-B2 or using proprietary methods (e.g. Stabilizer, etc.).

LOAD CASE(S) Standard



[Signature] November 10, 2014

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General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Please thoroughly review the "Customer's Acknowledgement of ProBuild Standard Terms for Manufactured Products" form.
2. Please thoroughly review all Truss Design Drawing (TDD) cover sheet notes and TDD notes, verify design parameters and review all connector detail notes. Important work scope and responsibilities are defined therein.
3. All capitalized terms are as defined in ANS/ITP 1, the National Design Standard for Metal Plate Connected Wood Truss Construction (TP1 1).
4. TP1 1 defines the responsibilities and duties of the Truss Designer (TD), Truss Design Engineer (TDE), and Truss Manufacturer (TM), unless otherwise defined by a Contract agreed upon in writing by the parties involved.
5. As a TDE (i.e., Specialty Engineer), the seal on any TDD represents an acceptance of professional engineering responsibility for the design of the single Truss depicted on the TDD only, under TP1 1. A TDD is also a Structural Delegated Engineering Document[®].
6. ProBuild and DrJ Engineering (DrJ) are NOT the Building Designer or Truss System Engineer for any building.
7. The design assumptions, loading conditions, load paths, suitability and use of Trusses for any Building is the responsibility of the Owner, the Owner's authorized agent or the Building Designer (BD), in the context of the IRC, the IBC, the local building code and TP1 1.
8. The approval of the TDD and any field use of the Truss, including handling, storage, installation and bracing, shall be the responsibility of the BD and Contractor (GC).
9. All notes set forth in the TDD and the practices and guidelines of Building Component Safety Information (BCSI) published by the Truss Plate Institute and the Structural Building Component Association (SBCA) are referenced for general guidance.
10. Structural Submittals (i.e., shop drawings) shall be reviewed by the BD for compatibility with the design of the building or structure, including submittal documents prepared by others, deferred submittal documents and phased submittal documents. This review shall include a notation indicating that the reviewed documents have been found to be in general conformance with the design of the building (or to make specific corrections noted and to return for review). In the absence of this notation, ProBuild will provide its Customer with the design assumptions used per the construction documents (also referred to at times as "Structural Engineering Documents"), to design the individual structural building components (i.e., Trusses) per TP1 1.
11. ProBuild and DrJ shall be permitted to rely on the accuracy and completeness of project contract and construction documents, including any specifications that have been furnished to ProBuild in writing by the BD for the building.
12. The BD shall provide information that is sufficiently accurate and reliable to be able to design the trusses in the context of the following serviceability issues including, but not limited to: (a) Allowable vertical, horizontal or other required deflection criteria; (b) Any dead load, live load and in-service creep deflection criteria for floors or flat roofs subject to ponding loads; (c) Any floor or roof camber requirements; (d) Any differential deflection criteria for truss-to-truss or truss-to-adjacent structural member; (e) Any deflection and vibration criteria for floor trusses including any stopback bridging requirements; and any dead load, live load, and in-service creep deflection criteria for floor trusses supporting stone or ceramic tile finishes; (f) Moisture, temperature, corrosive chemicals and gasses expected to result in a wood moisture content exceeding 19 percent, sustained temperatures exceeding 150 degrees F, and/or corrosion potential from wood preservatives or other sources that may be detrimental to trusses.
13. Due to the lateral thrust developed by scissors-type Trusses, if scissors-type Trusses are part of this design, consideration should be given to bearing wall conditions. Bearing walls supporting scissors-type Trusses should be designed in such a manner that the walls will safely withstand the lateral forces of the Trusses. Consideration of effects on the design of the bearing and the associated wall or beam/header assembly is not a part of this set of TDDs and is not the responsibility of ProBuild or DrJ. Advice from the BD or any RDP should be secured relative to these items if they are not provided in the construction documents.
14. Unless specifically noted in writing otherwise, neither ProBuild nor DrJ have performed any of the following engineering services as it relates to the building that is going to be built: (a) The trusses and any related structural elements are not designed to support any masonry loading conditions, which require special engineering; (b) Areas of the construction documents that do not use truss framing need to be designed by others; (c) All beam, header and related structural element designs are to be performed by others. If any of the previously listed services are required by the Owner, the Owner's authorized agent or the BD, please call 800-628-1453 for assistance.
15. The structural building component (SBC) submittal including the TDDs sealed by a TDE where required by the legal requirements or the local jurisdiction, a Truss Placement Diagram (TPD) if required by the construction documents, and the required permanent individual truss member restraint per the TDDs, the appropriate BCSI B-series summary sheets to facilitate proper truss and structural component lateral restraint (LR) and diagonal bracing (DB), any SBC installation information and any related truss and SBC details shall be supplied to the GC/Truss installer.
16. The GC, after reviewing and/or approving the SBC submittal package, shall forward it to the BD for review.
17. Where required by the project contract or construction documents, including any specifications, a TPD identifying the location of each truss, as assumed by ProBuild based on its review of the project contract documents, will be provided. When the TPD (i.e., structural submittals or shop drawings) serves only as a guide for truss installation, it does not require the seal of any RDP.

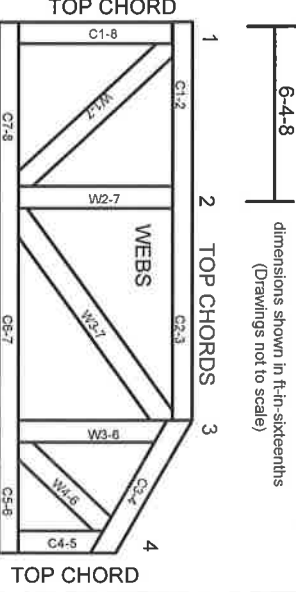
18. Review the complete contents of the SBC submittal package, the TDDs included (i.e., front, back, text and graphics), any TPDs and any related SBC information before attempting to install the trusses. Reviewing graphics alone is not sufficient.
 19. Truss manufacturing quality control shall be performed per TP1 1, Chapter 3, and monitored by a third party inspecting agency.
 20. Unless specified by the BD in writing and noted on the TDD, these TDDs are not applicable for use with fire-retardant, preservative-treated or green lumber.
 21. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
 22. Lumber used shall be of the species, size and grade, and in all respects, equal to or better than that specified.
 23. Temporary LR and DB is required to be installed during construction for the purposes of holding trusses in their proper location, plumb and in plane, until permanent individual truss member LR, DB and permanent building stability bracing are completely installed (see BCSI-B1, BCSI-B2, BCSI-B3, BCSI-B7, and BCSI-B10 as applicable).
 24. Top chords must be sheathed or continuous RRs (i.e., purfins) provided at the spacing indicated on TDD (e.g., 24 in. o.c. maximum).
 25. If no ceiling is installed or bottom chord LR is specified in writing by the BD, bottom chords require continuous LR at 10 ft. o.c. spacing, or less, along with DB as specified in BCSI-B1, BCSI-B3, BCSI-B7 or BCSI-B10 as applicable.
 26. Graphical representation of LR members (i.e., purfins), if shown on the TDD, do not depict the size or orientation of the restraint along the top and/or bottom chord and/or web members.
 27. The size, connections and anchorage of the permanent continuous truss chord and web member LR and DB must be designed by others in such a way as to support the imposed load along the clear span of the LR and DB, or as specified in BCSI-B1, BCSI-B3, BCSI-B7 or BCSI-B10 as applicable.
 28. Additional permanent building stability bracing for the truss system (e.g., diagonal, X-bracing, etc.) may be required and is to be specified by the BD. DB in accordance with BCSI-B3 may be sufficient.
 29. The SBCs shall be examined upon delivery to the jobsite and also after they are erected and installed for: (a) dislodged or missing connectors; (b) cracked, dislodged or broken members; or (c) any other damage that may impair the structural integrity of the SBC. Any unreported damage to any SBC during any part of the handling and installation process shall void the ProBuild product warranty.
 30. During truss installation, never exceed the design loading shown on the TDD and never stack materials on trusses with inadequate LR and DB (see BCSI-B4). Never overload any structural elements with stacks of building materials to a level greater than defined in BCSI-B4.
 31. Connections not shown on the TDDs are the responsibility of others.
 32. Do not cut or alter a truss member, a truss plate or any related structural element member without prior approval of an RDP or TDE.
 33. Install and load trusses vertically unless otherwise indicated in writing by the BD or as specifically defined on the TDD or TPD.
 34. Sheathing applied in the plane of the truss is not considered in the design of the individual truss components (e.g., a gable-end truss has no composite stiffness analysis performed) unless specifically noted.
 35. Attachment of the purfin gable (i.e., hip frames or lay-in gables) to the supporting hip trusses satisfies the LR and DB requirements for the top chord of the hip trusses. Refer to the TDD for the individual trusses braced in this manner.
 36. These trusses are designed using MITek standard engineering analysis methods and associated software in accordance with TP1 1 and related proprietary information.
- Each Truss Design Drawing (TDD) uses Metal Connector Plate (MCP) design values published by MCP manufacturers. Any referenced connectors use design values published by the connector manufacturer or the American Wood Council per the National Design Specification (NDS) for Wood Construction. The TDD further uses lumber design values published by the applicable lumber rules-writing agency as approved by the American Lumber Standards Committee. These are incorporated into lumber design provisions and equations created by the American Wood Council and input into modeling and analysis TDD software created and owned by the MCP manufacturers. The lumber design values correspond with the grade stamp identified by the TM on the lumber prior to cross cutting. The lumber grading rules published by the rules-writing agency shall apply to the Owner, BD and GC.

The "WARNING" note found on the bottom of each TDD references this document by calling it the "DrJ Reference Sheet (rev. 11-14)"

DrJ Engineering, LLC
 6300 Enterprise Lane
 Madison, WI 53719
www.drjengineering.org

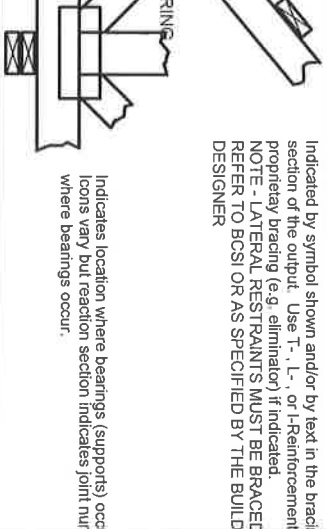
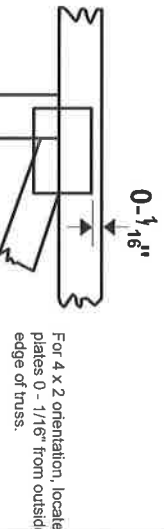
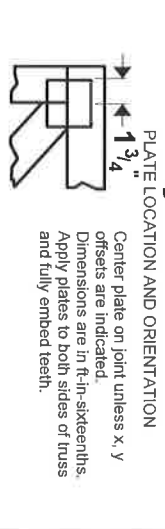
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Numbering System



CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS
 JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

Symbols



ARBOR HOMES, LLC

Hawthorne B

PLAN INDEX:	
CS	Cover Sheet
1	FIRST FLOOR PLAN
2	SECOND FLOOR PLAN
2F	SECOND FLOOR FRAMING
3	ELEVATIONS
4	SECTION
5	INT ELEV/CAB LAYOUT
6	FIRST FLOOR ELECTRICAL
7	SECOND FLOOR ELECTRICAL
8	FOUNDATION
9	ROOF

SQUARE FOOTAGE	
FIRST FLOOR	830 SQ.FT.
SECOND FLOOR	1197 SQ.FT.
TOTAL LIVING SPACE	2027 SQ.FT.



REV. NO.	DATE	REMARKS

COMMUNITY NAME HST	COVER
SHEET DESCRIPTION	

PLAN NAME Hawthorne B	PRINT DATE 11/03/2014
LOT NUMBER 30	

CUSTOMER GRIFFITH	STATE and ZIP
ADDRESS 	CITY

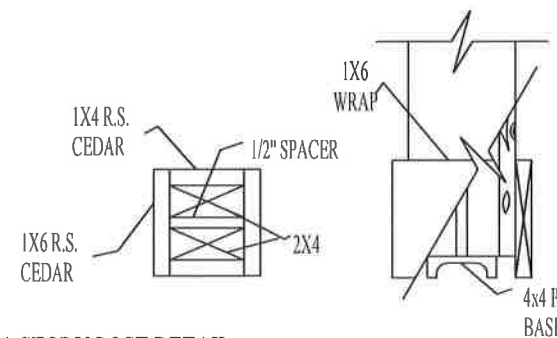
SHEET NO.
CS

DIMENSION NOTES:

- 1.) ALL EXTERIOR DIMENSION STRINGS ARE 0/0 SHEATHING UNLESS NOTED OTHERWISE
- 2.) ALL INTERIOR STRINGS ARE FRAME TO FRAME
- 3.) ALL UNDIMENSIONED WALL THICKNESSES ARE 3 1/2"
- 4.) ALL EXTERIOR SHEATHING TO BE 1/2" EXCEPT SHIS. AT GARAGE AND FIREPLACE.
- 5.) ALL WINDOWS ARE S.I.L UNLESS NOTED OTHERWISE.

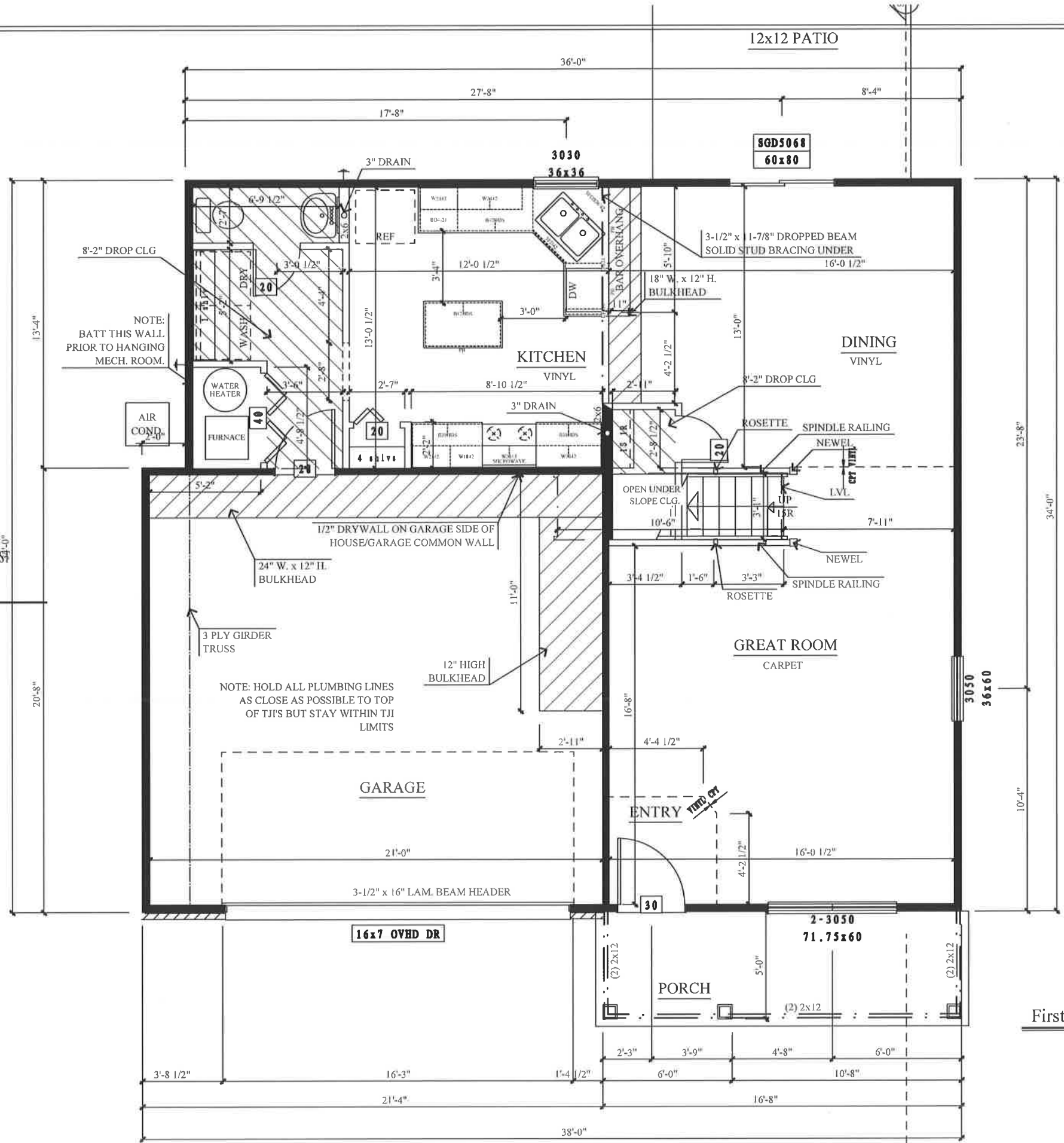
NOTES:

- 1.) ALL 1st. FLR WDW & SGD. HEAD HTS. AT 6'-10 7/8" W/ 2-2x12 HDRS. UNDER DOUBLE 2X4 PLATE EXCEPT AS NOTED
- 2.) ALL PL. HTS. AT 8'-1 1/8" UNLESS NOTED OTHERWISE.
- 3.) ALL EXTERIOR WALLS & INTERIOR BEARING WALLS TO BE FRAMED 16" O.C.
- 4.) ALL INTERIOR NON-BEARING WALLS TO BE FRAMED 24" O.C.
- 5.) CALIFORNIA CORNERS & LADDER LEADS ON ALL EXTERIOR WALLS.
- 6.) ALL INTERIOR DOORS NOT SPECIFIED 3" FROM CORNER FOR CASING.
- 7.) INSTALL SOFFIT VENTS EVERY 4' UNLESS OTHERWISE NOTED.
- 8.) ALL MECHANICAL CHASES IN A FLOOR SYSTEM OR ATTIC TO HAVE 3/4" PLYWOOD FOR FIRESTOP.
- 9.) CONTRACTOR TO TYPAR WALL ABOVE ALL ROOF LINES.



I-1 STORY POST DETAIL

N.T.S



First Floor

SCALE: 3/16" = 1'-0"

9' WALLS

ARBOR HOMES
 phone (317) 842-1875
 6626 E. 75TH ST.
 SUITE 400

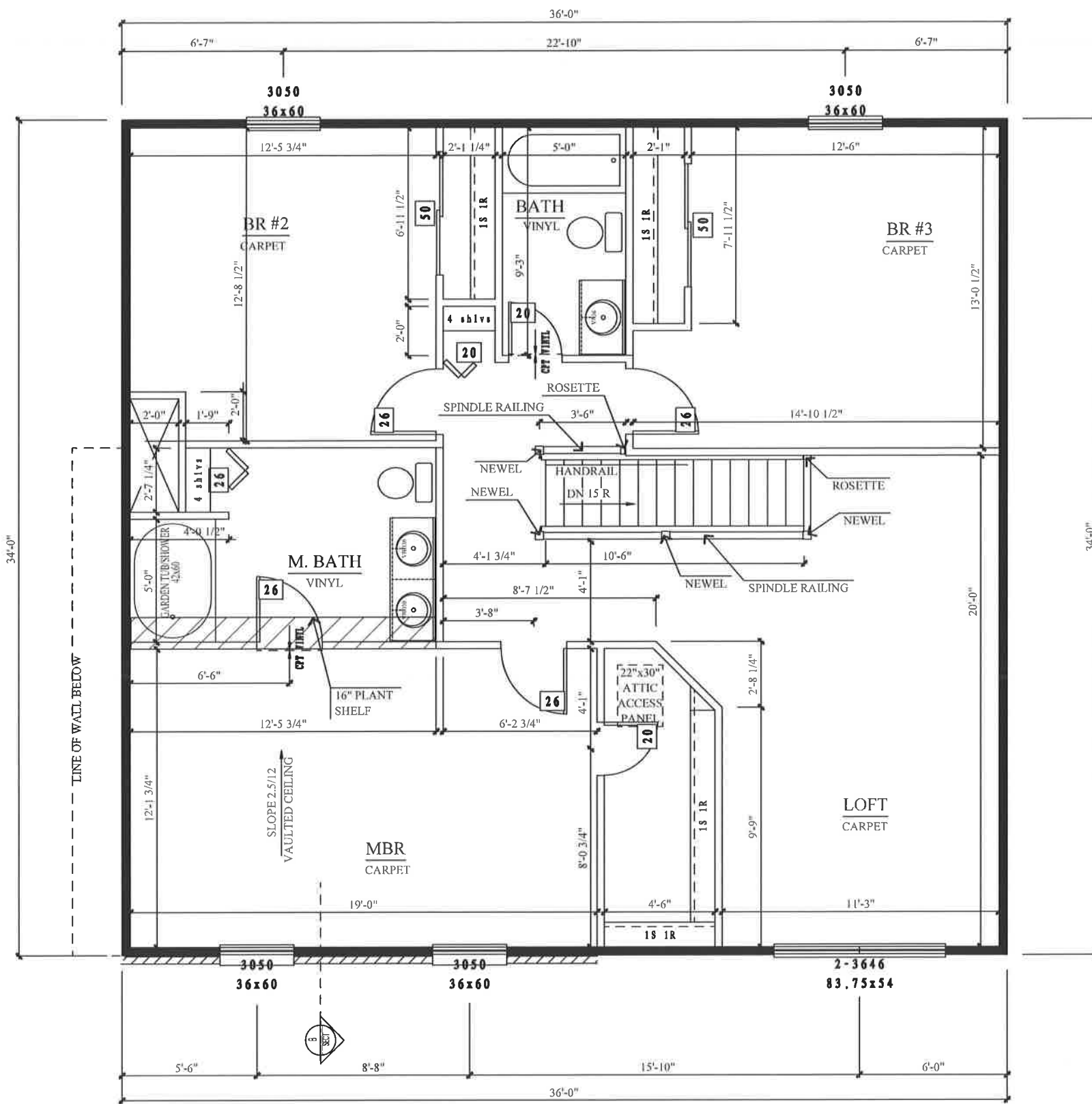
REV. NO.	DATE	REVISIONS

COMMUNITY NAME: BST
 SHEET DESCRIPTION: First Floor

PLAN NAME: Hawthorne B
 LOT NUMBER: 30
 PRINT DATE: 11/03/2014


CUSTOMER: GRIFFITH
 ADDRESS: STATE and ZIP
 CITY: STATE and ZIP

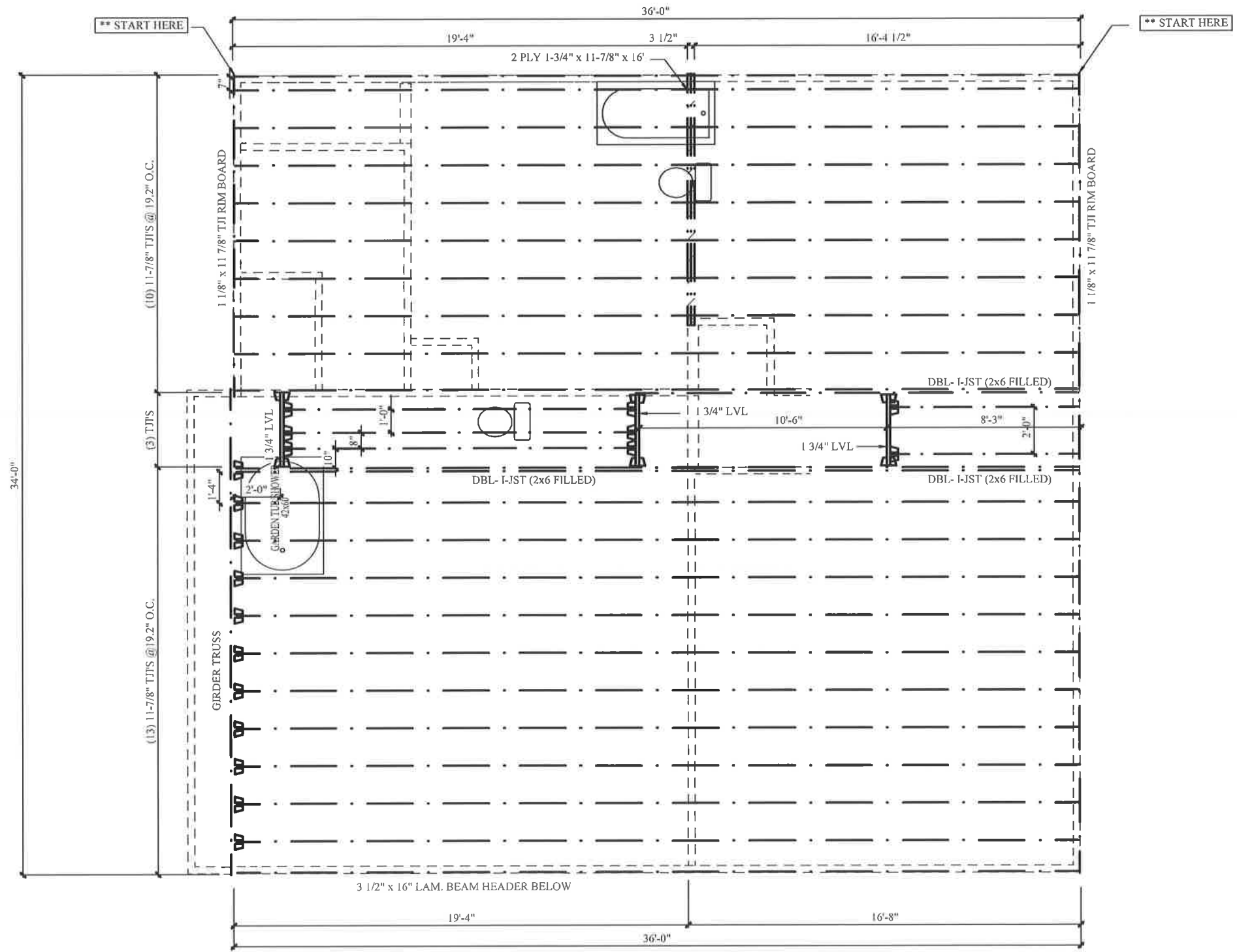
SHEET NO: 1



Second Floor

SCALE: 3/16" = 1'-0"

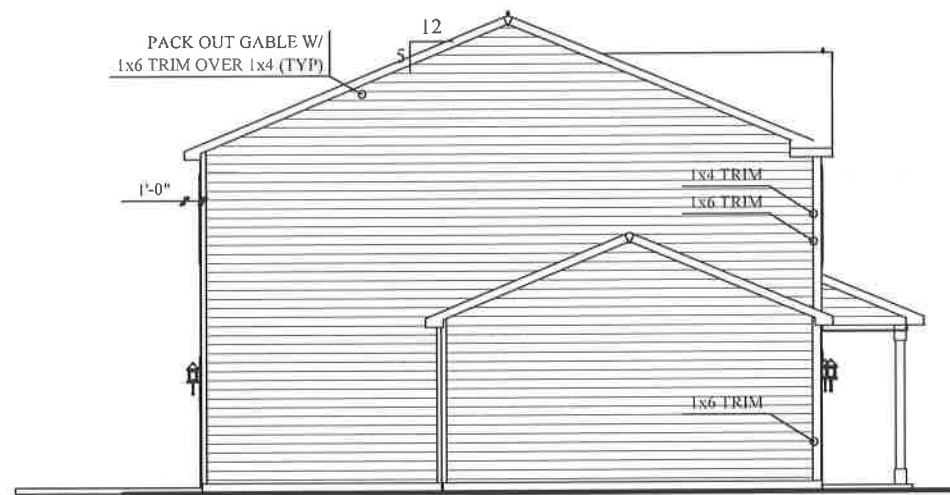
		phone (317) 842-1875 6626 E. 75TH ST. SUITE 400			
SHEET NO.	2	CUSTOMER	ADDRESS	CITY	STATE and ZIP
PLAN NAME	Lot Number	PRINT DATE	COMMUNITY NAME		
Law Home B	30	11/03/2014	Second Floor		
SHEET DESCRIPTION					
Second Floor					
REV. NO.	DATE	REMARKS			



Second Framing

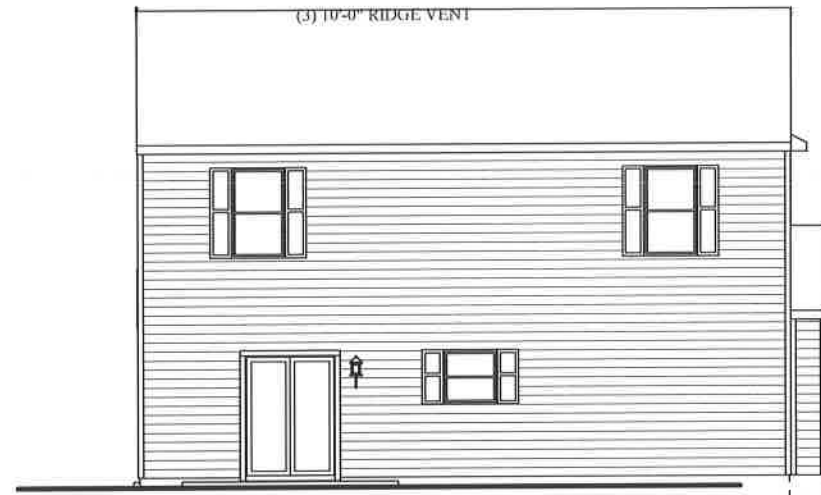
SCALE: 3/16" = 1'-0"

	6626 E. 75TH ST. SUITE 400		phone (317) 642-1875
	REV. NO.	DATE	REVISIONS
PLAN NAME	Community Name BST SHEET DESCRIPTION		
Customer GRIFITH ADDRESS CITY	PLAN NAME Hawthorne B LOT NUMBER 30 PRINT DATE 11/02/2014	Second Framing	
SHEET NO.	2F		



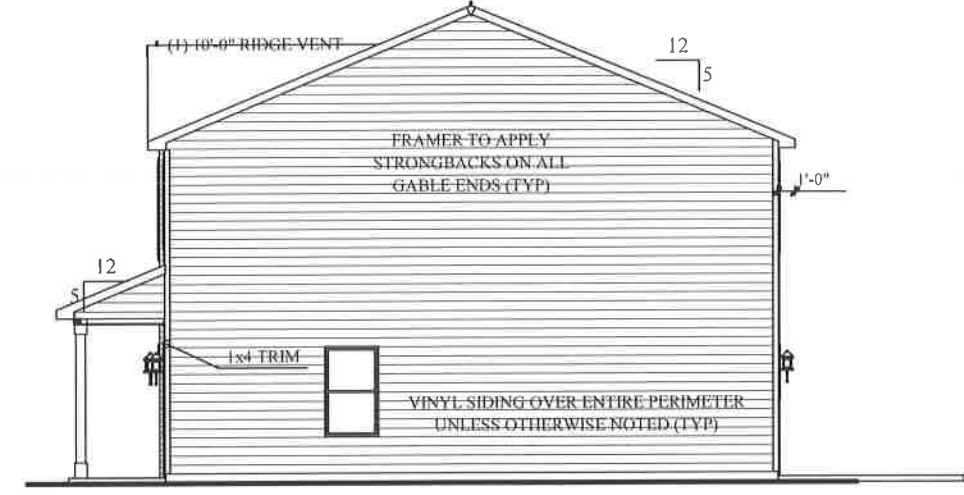
LEFT ELEVATION

SCALE: 3/32" = 1'-0"



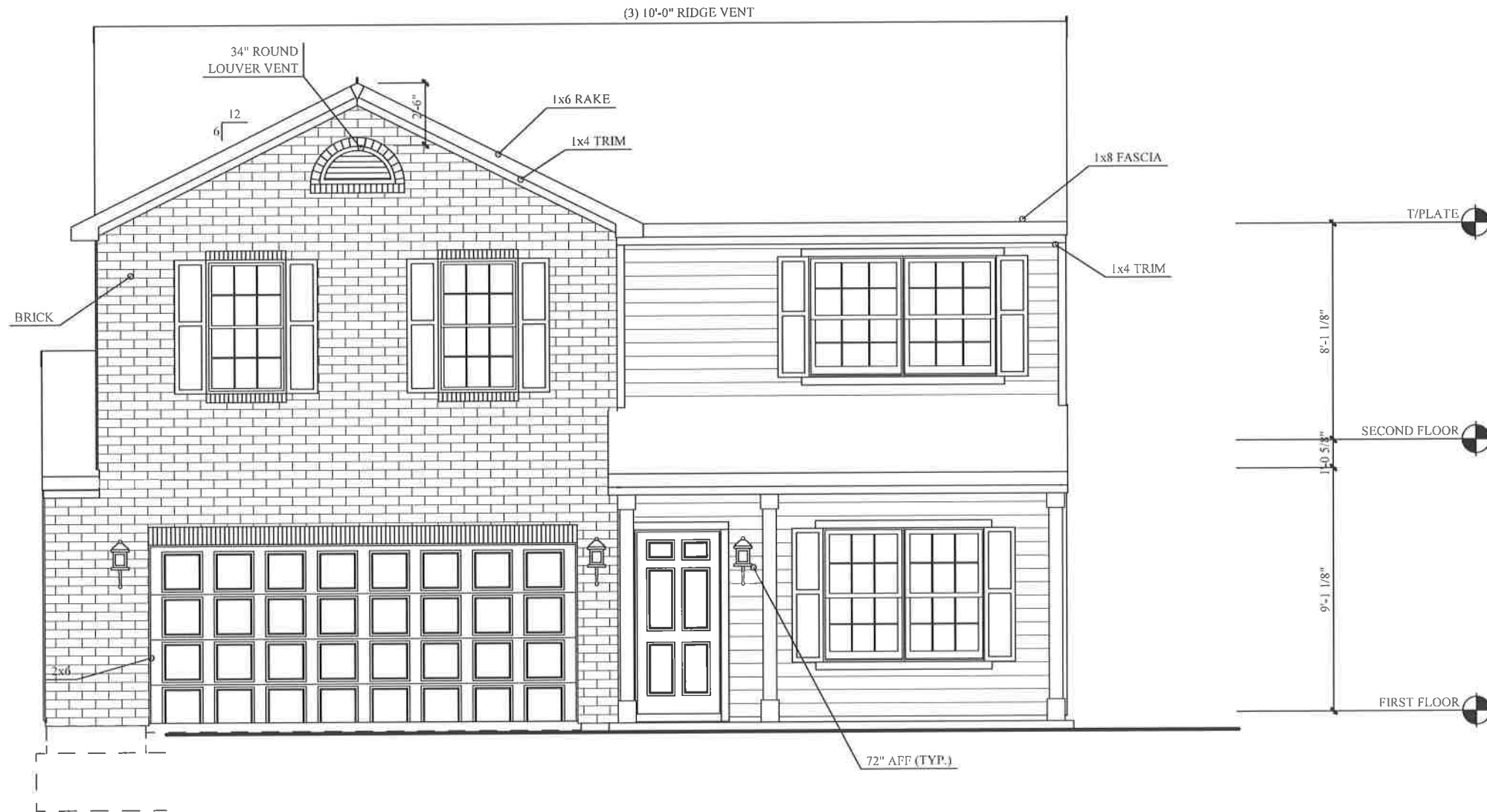
BACK ELEVATION

SCALE: 3/32" = 1'-0"



RIGHT ELEVATION

SCALE: 3/32" = 1'-0"



FRONT ELEVATION

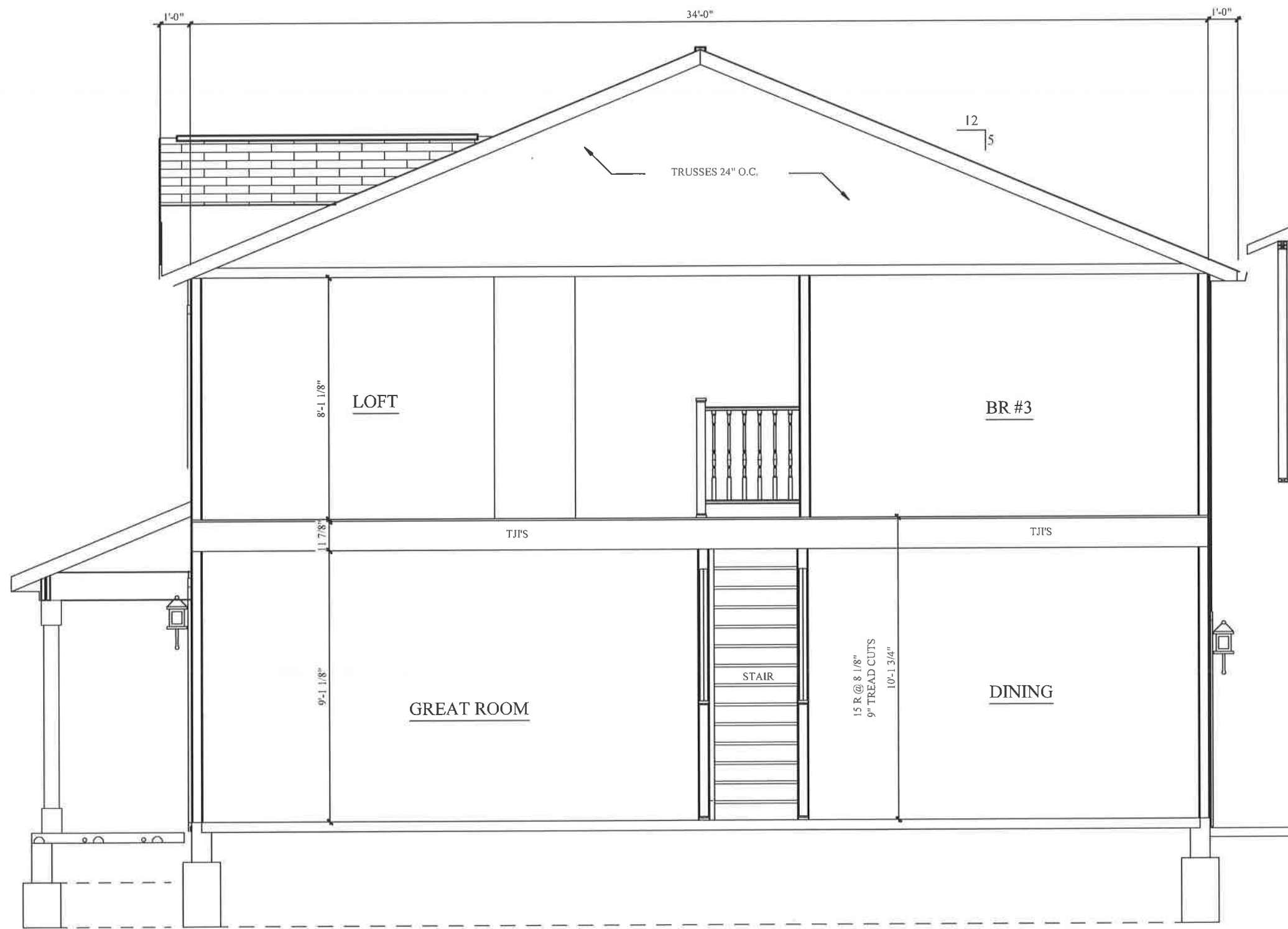
SCALE: 3/16" = 1'-0"

REV. NO.	DATE	REMARKS

CUSTOMER NAME	
COMMUNITY NAME	
LOT NUMBER	
SHEET DESCRIPTION	Elevations

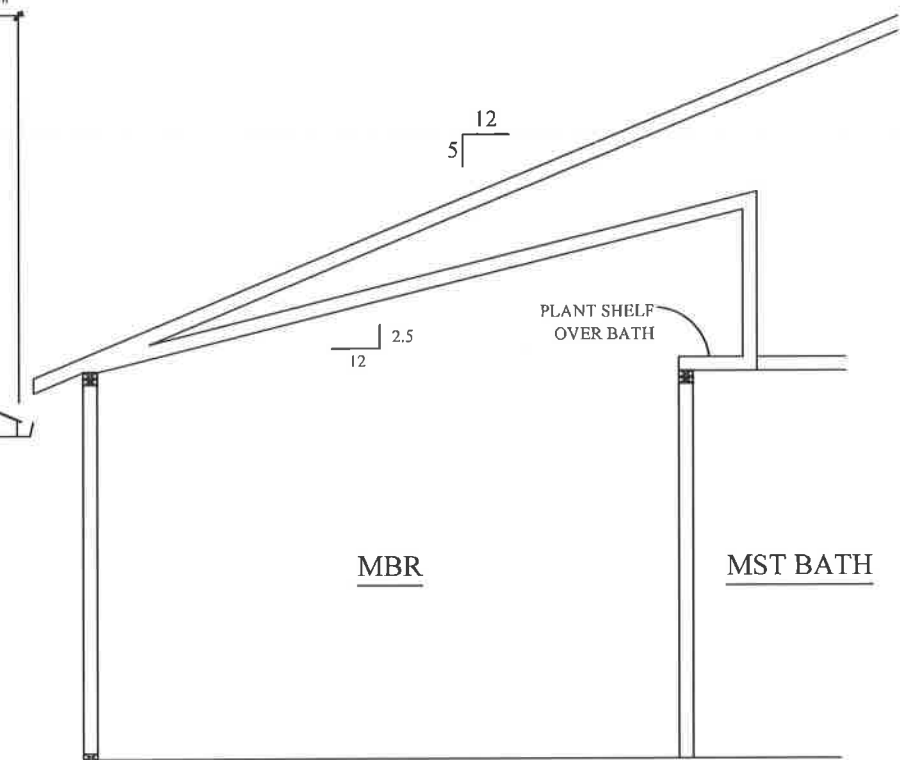
PLAN NAME	
LOT NUMBER	
FRONT DATE	11/03/2014

CUSTOMER ADDRESS	
CITY	
STATE and ZIP	



SECTION A-A

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

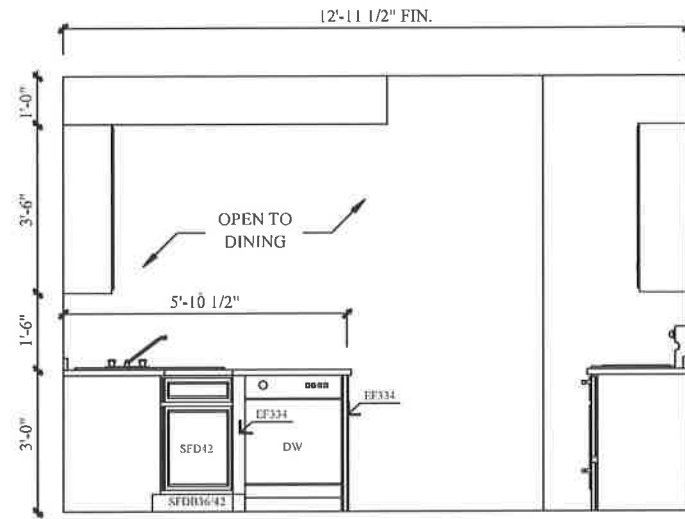
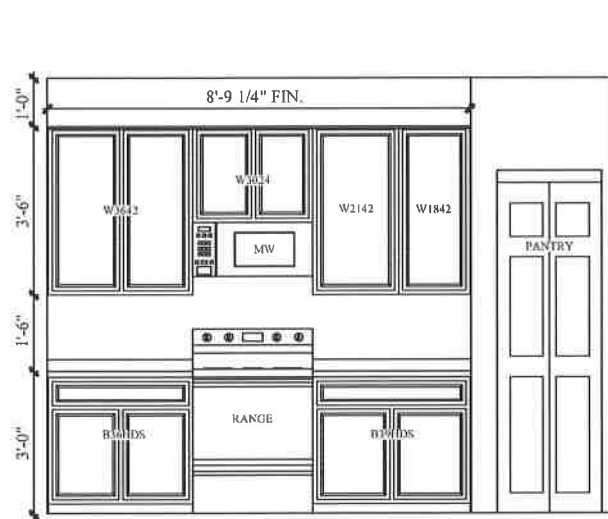


(B) CROSS SECTION

REV. NO.	DATE	REVISIONS

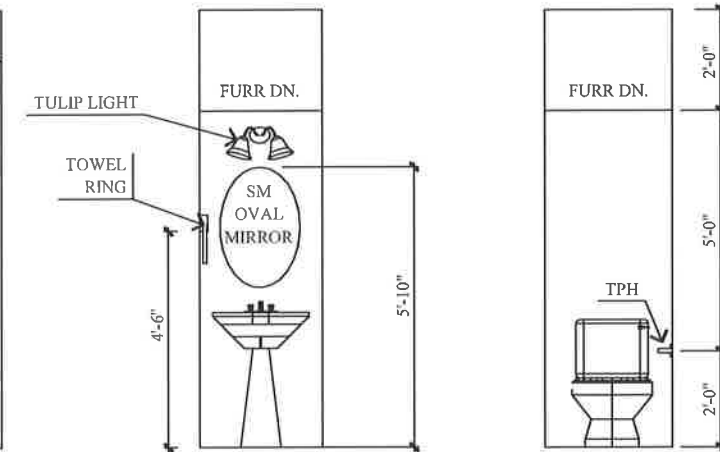
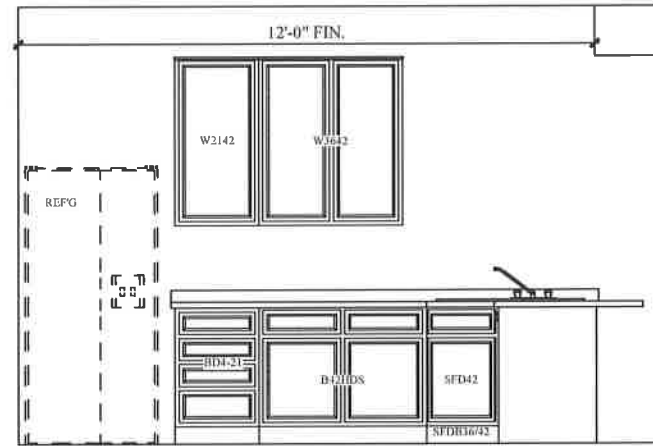
COMMUNITY NAME	Section

CUSTOMER	PLAN NAME	PRINT DATE
GRIFITH <td>Hawthorne B <td>11/03/2014 </td></td>	Hawthorne B <td>11/03/2014 </td>	11/03/2014
ADDRESS	LOT NUMBER	
	30	
CITY	STATE and ZIP	



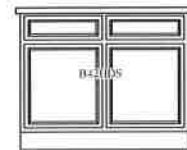
Kitchen Layout

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



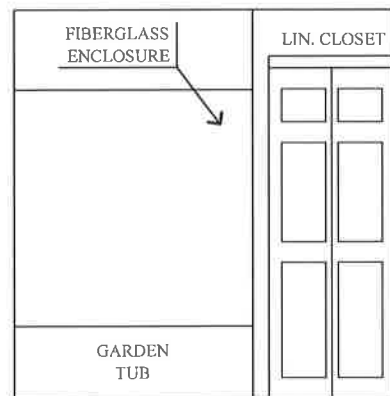
Powder Room Layout

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



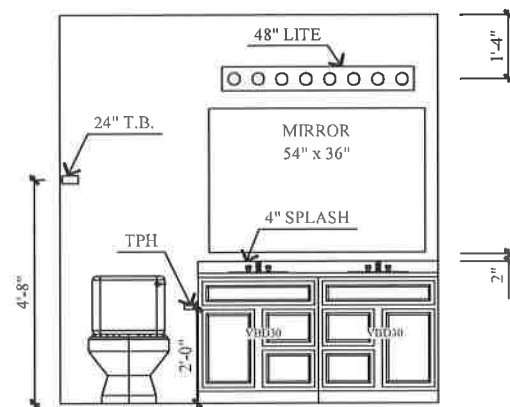
Kitchen Island

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



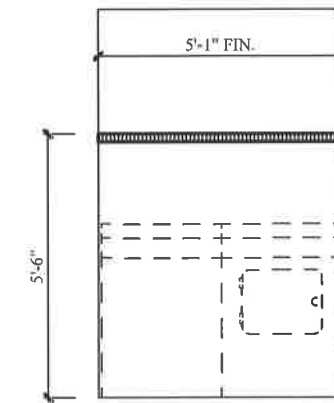
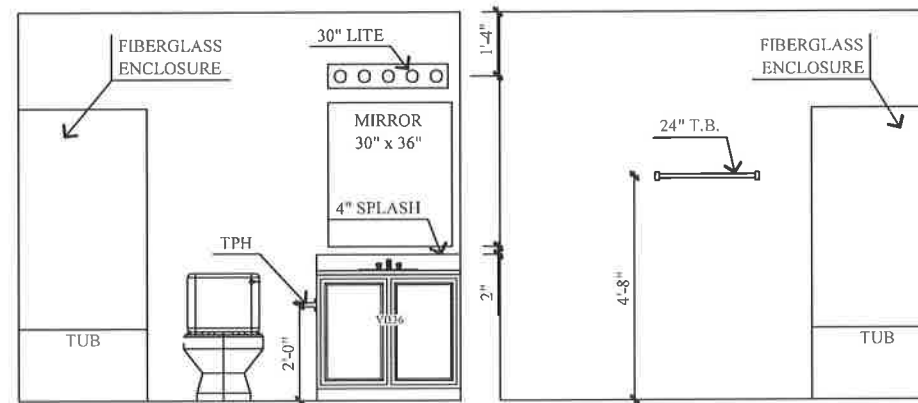
Master Bath Layout

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



Bathroom Layout

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



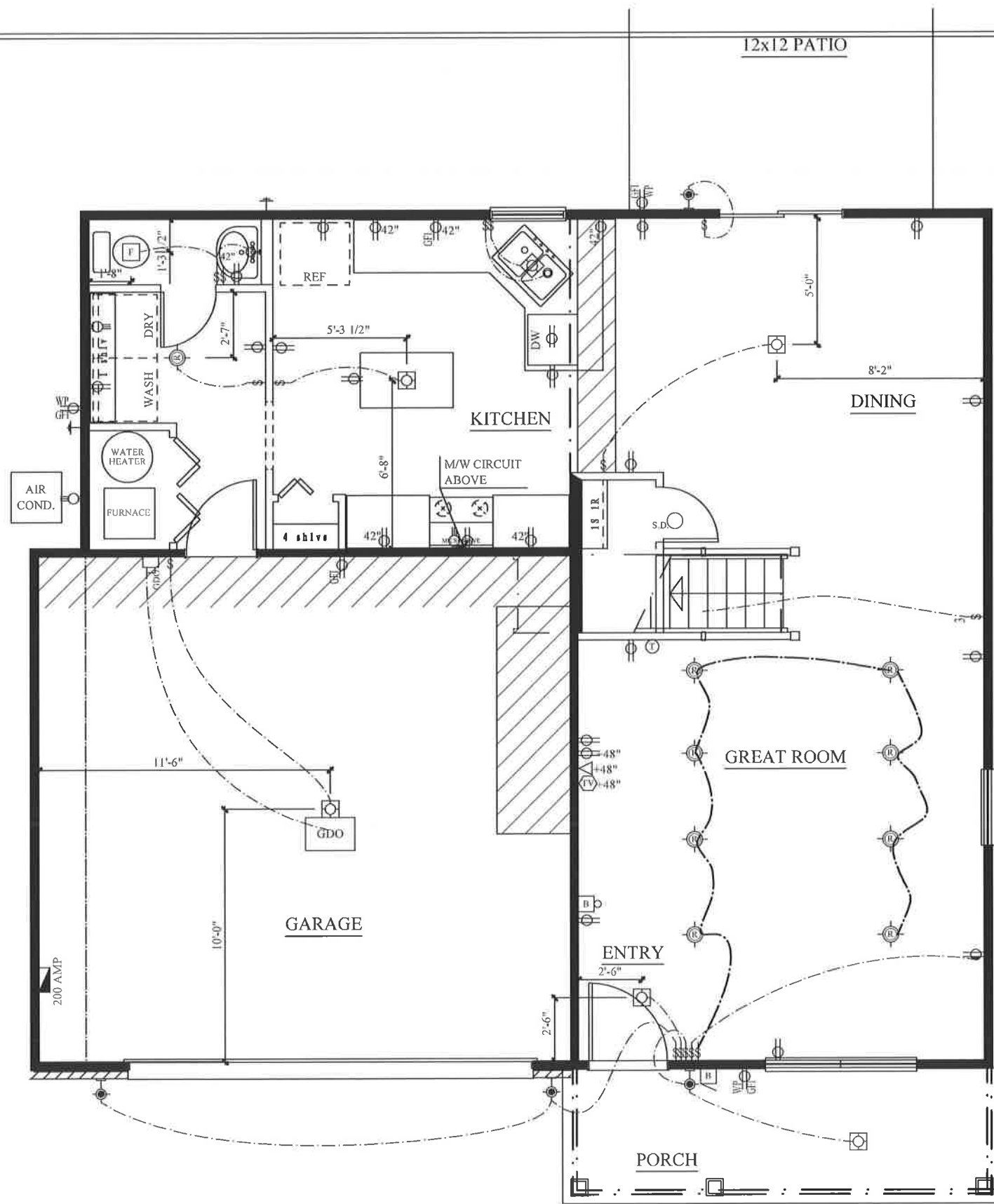
Utility

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

REV. NO.	DATE	REVISIONS

COMMUNITY NAME	
LOT	
SHEET DESCRIPTION	Cabinet Layout

PLAN NAME	
LOT NUMBER	
PRINT DATE	11/03/2014
CUSTOMER	
ADDRESS	
CITY	
STATE AND ZIP	



Elect. First

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

↔ SINGLE POLE SWITCH	○ _{td} SMOKE DETECTOR	☒ CARBON MONOXIDE DETECTOR	☒ FLOOD LIGHT
↔ THREE WAY SWITCH	○ THERMOSTAT	☒ AC ROUGH	☒ CEILING FIXTURE
↔ FOUR WAY SWITCH	○ DISPOSAL	☒ ELECTRICAL PANEL	☒ EXTERIOR WALL FIXTURE (2" A1F)
⊕ DUPLEX OUTLET	⊕ DOOR BELL	☒ LIGHT TRACK PACKAGE	☒ RECESSED CAN FIXTURE
⊕ DUPLEX OUTLET (ONE HALF SWITCHED)	⊕ BUZZER	☒ BATH FAN	☒ RECESSED EYEBALL CAN FIXTURE
⊕ HIGH VOLTAGE OUTLET (220-240 VAC)	⊕ TELEVISIONS OUTLET	☒ BATH FAN LIGHT	☒ STRIP LIGHT
⊕ WP WATERPROOF	⊕ TELEPHONE OUTLET	☒ PRE-WIRE GARAGE DOOR OPENER (60" ABOVE FINISHED FLOOR)	☒ 2 x 4 FLUORESCENT PACKAGE
⊕ GFI GROUND FAULT INTERRUPT	⊕ TELEPHONE WALL OUTLET		



ARBOR HOMES
6626 E. 75TH ST. SUITE 400
phone (317) 842-1875

REMARKS

DATE

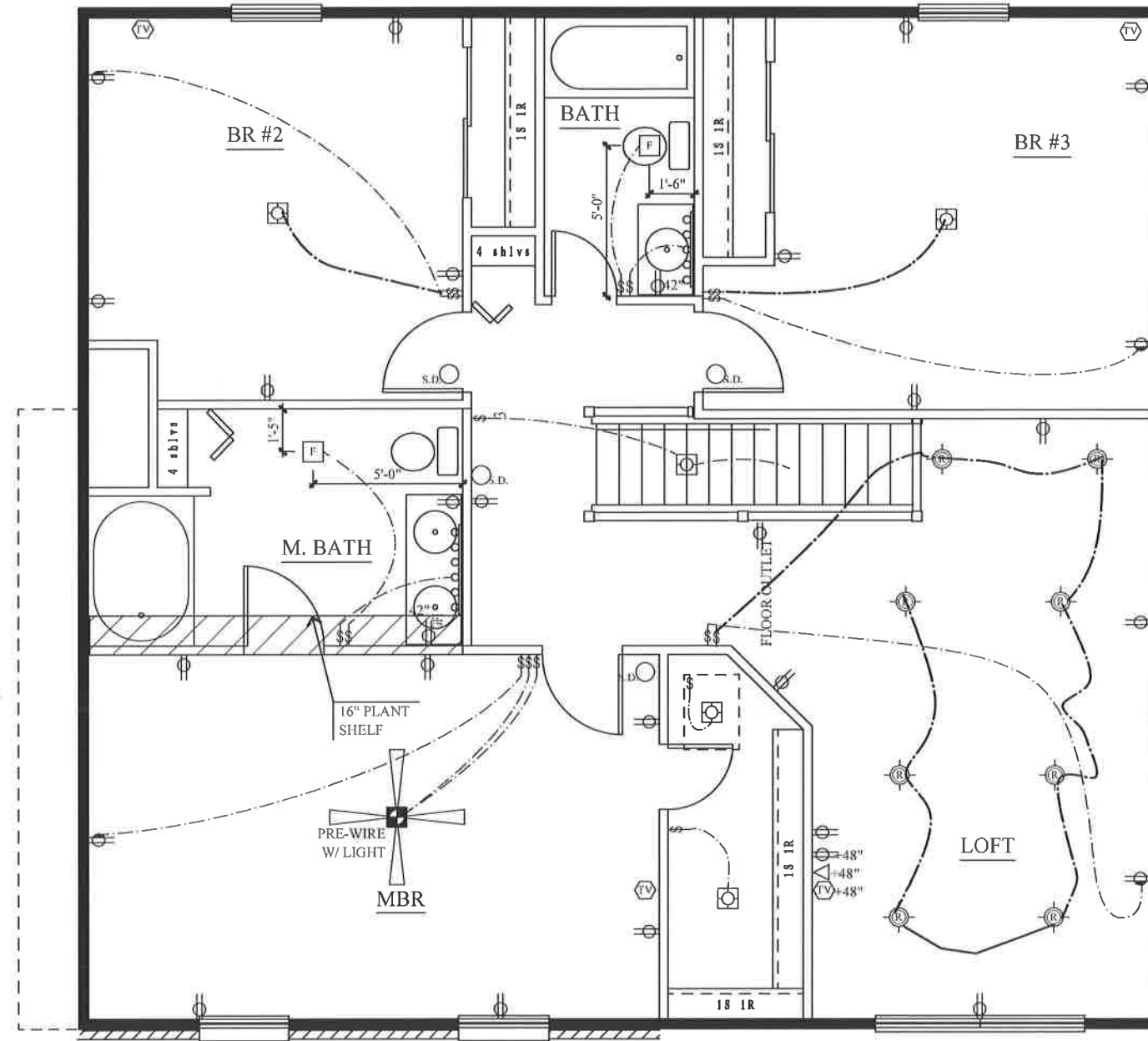
REV. NO.

CUSTOMER: GREIFITH
ADDRESS: STATE AND ZIP
CITY:

COMMUNITY NAME: Elect. First
SHEET DESCRIPTION

PLAN NAME: Hawthorne B
LOT NUMBER: 30
PRINT DATE: 11/03/2014

SHEET NO: 6



Elect. Second

SCALE: 3/16" = 1'-0"

○ SINGLE POLE SWITCH	○ SMOKE DETECTOR	□ CARBON MONOXIDE DETECTOR	□ FLOOD LIGHT
○ THREE WAY SWITCH	○ THERMOSTAT	□ AC ROUGH	□ CEILING FIXTURE
○ FOUR WAY SWITCH	○ DISPOSAL	□ ELECTRICAL PANEL	□ EXTERIOR WALL FIXTURE (72" AFF)
○ DUPLEX OUTLET	□ DOOR BELL	□ LIGHT TRACK PACKAGE	□ RECESSED CAN FIXTURE
○ DUPLEX OUTLET (ONE HALF SWITCHES)	□ BUZZER	□ BATH FAN	□ RECESSED EYEBALL CAN FIXTURE
○ HIGH VOLTAGE OUTLET (240-250V)	○ TELEVISIONS OUTLET	□ BATH FAN / LIGHT	□ STRIP LIGHT
WP WATERPROOF	□ TELEPHONE OUTLET	□ PRE-WIRE GARAGE DOOR OPENER (60" ABOVE FINISHED FLOOR)	□ 2 x 4 FLUORESCENT PACKAGE
GFI GROUND FAULT INTERRUPT	□ TELEPHONE WALL OUTLET		



ARBOR HOMES
6626 E. 75TH ST.
SUITE 400
phone (317) 842-1875

PLAN NAME: Hawthorne B
LOT NUMBER: 30
FRONT DATE: 11/03/2014

COMPANY NAME: Elect. Second

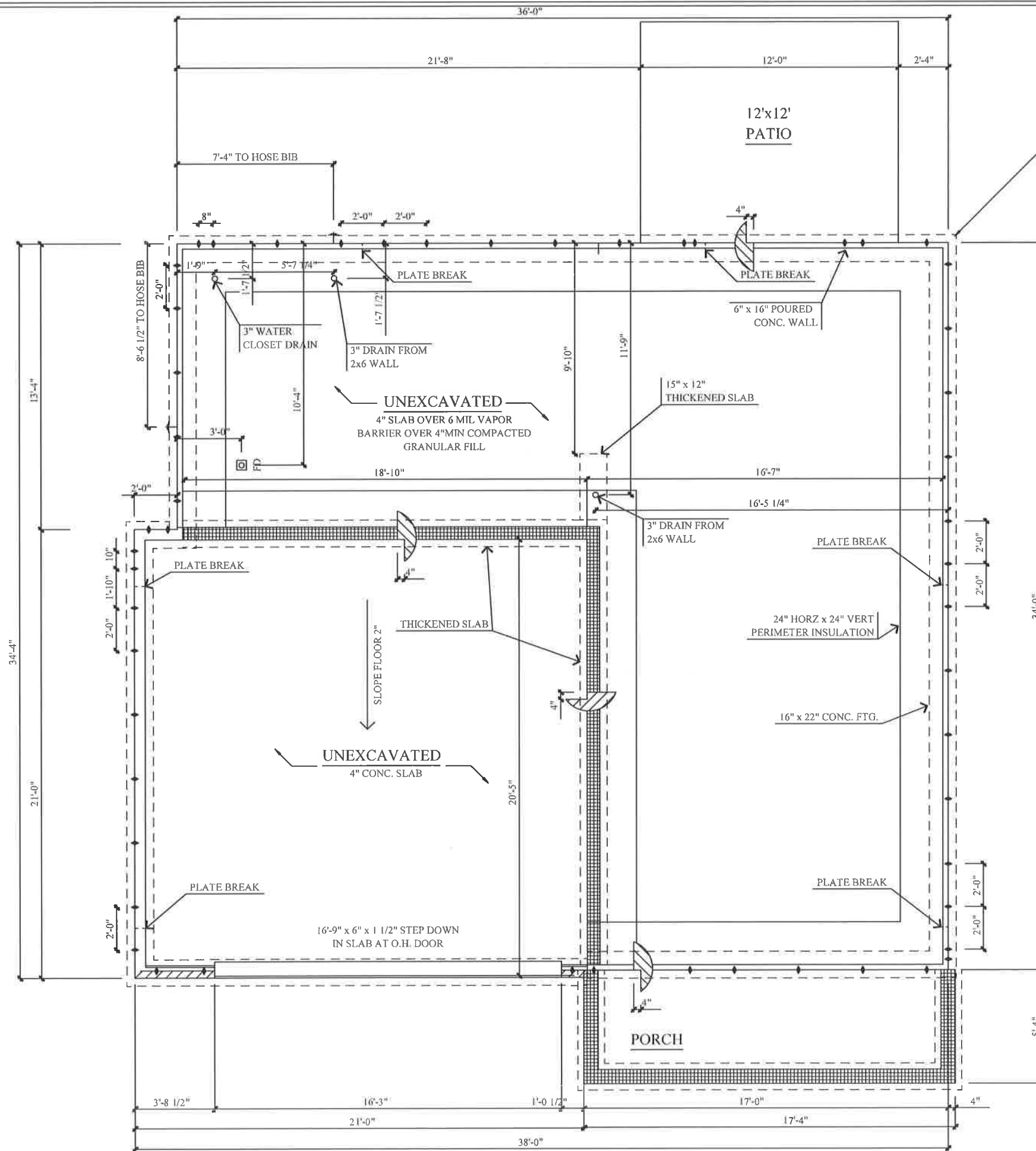
REV. NO. DATE

CUSTOMER: GRIFFITH
ADDRESS:
CITY: STATE and ZIP

SHEET NO: 7

Foundation

SCALE: 3/16" = 1'-0"



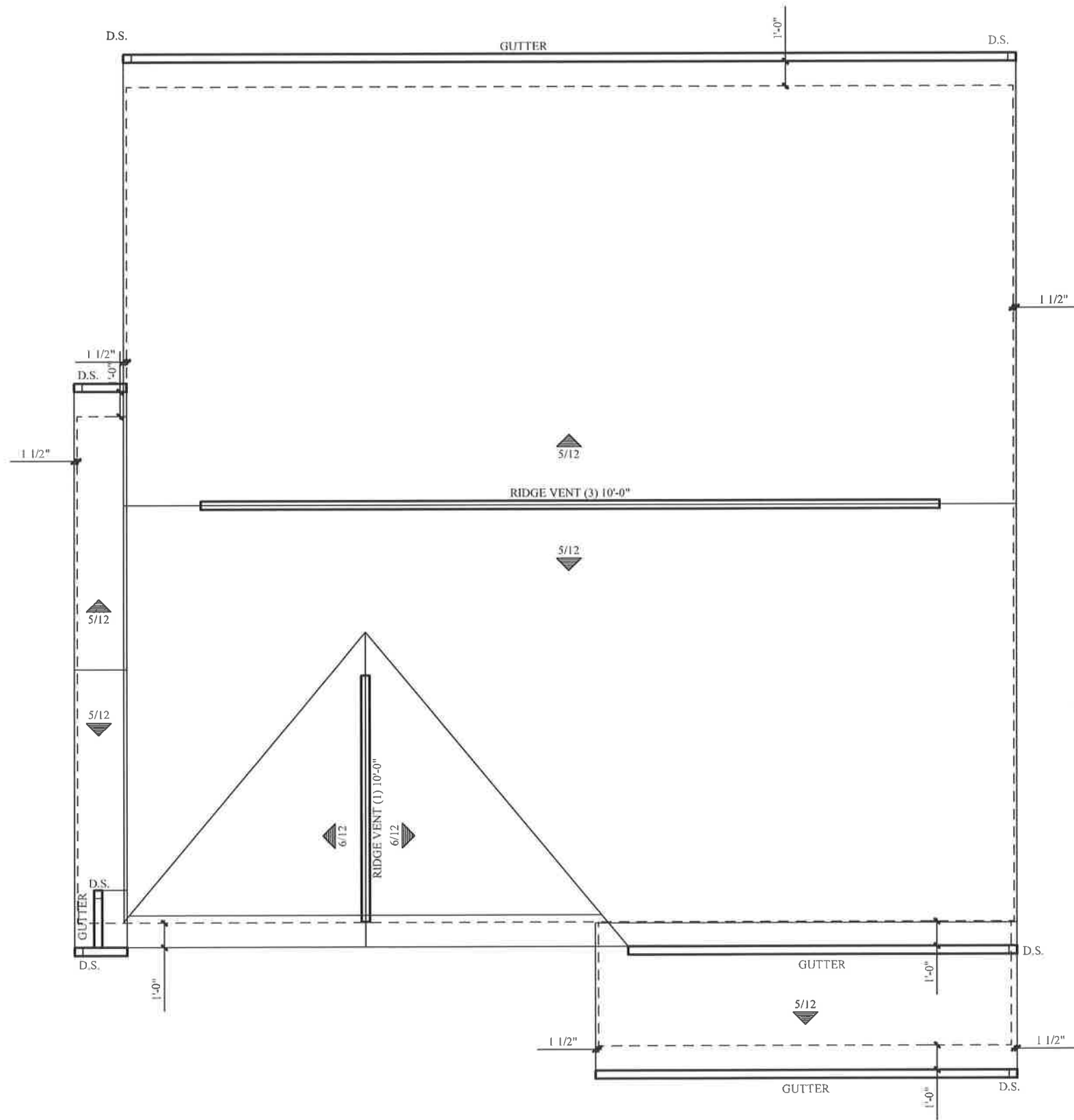
NOTE:
 BEGIN STRAPING AT THIS POINT.
 **1'-0" OFF EACH CORNER
 **1'-0" OFF OF EACH DOOR
 **SPACING=3'-0"
 **EVERY 16'-0" OF CONTINUOUS PLATE MUST
 HAVE A STRAP ON BOTH SIDES WITHIN 1'-0"
 OFF THE END OF THE PLATE.

REV. NO.	DATE	REMARKS

COMMUNITY NAME	
SHEET DESCRIPTION	Foundation

PLAN NAME	Hawthorne B
LOT NUMBER	30
PRINT DATE	11/03/2014

CUSTOMER	GRIFITH
ADDRESS	
CITY	
STATE and ZIP	



Roof Layout

SCALE: 3/16" = 1'-0"

ARBOR HOMES <small>6626 E. 75TH ST. SUITE 400</small> <small>phone (317) 842-1875</small>					
Roof Layout	COMMUNITY NAME BST	REV. NO. DATE	REV. NO. DATE	REV. NO. DATE	REV. NO. DATE
PLAN NAME Hawthorne B	LOT NUMBER 30	PRINT DATE 11/03/2014			
CUSTOMER GRIFFITH ADDRESS CITY	STATE and ZIP				
SHEET NO. 9					

CERTIFICATE OF OCCUPANCY



City of Greenwood, Indiana
Office of the Building Commissioner

Improvement Location Permit Number: **2014-0601**

CERTIFICATE OF OCCUPANCY ISSUED: April 1, 2015

Issued to: **Arbor Homes, LLC**

This certifies that the action or work for which an Improvement Location Permit was issued for the premises as identified as:

Address: **2268 Sungold Trail**
Lot No.: **30** Subdivision: **Briarstone**
Building: Suite or Space:
Project Name:
Project Description: **New Single Family Home**

has been inspected and found to be in compliance with the applicable laws of the State of Indiana and Ordinances of this City.

Conditions:

Need to Either Cover Plate or Install Clg. Fixture in Master Bedroom

Adam L. Tate
Building Commissioner or Designated Representative

Fire Inspector (when applicable)





Community Development Services
 Planning Division
 300 South Madison Avenue
 Greenwood, IN 46142
 (317) 887-5230
 (317) 887-5616

SFDN

Permit Number **2014-0601** Address:
 Issue Date: **11/21/2014** Lot **30**
 Contractor **Arbor Homes, LLC**
 Comments

2268 Sungold Trail
 Subdivision **Briarstone**
 Contact 1
 Phone #

Story: Two
 Slab?: Slab

Contact 2
 Phone #

FOOTING INSPECTION(S)	Date
Passed- <i>ALC</i>	12-2-14

UNDERSLAB INSPECTION(S)	Date
Passed- <i>ALC</i>	12-9-14

ROUGH INSPECTION(S)	Date
- Floor joist headed off in garage. Need to add hangers. Will send pictures. <i>AK A</i>	1/29/15

FINAL INSPECTION(S)	Date
- Need to Cover on Install Elect	4-1-15
Clg Fixture in Master Bedroom	
Issued C of O w/ this condition <i>ALC</i>	

HOME CERTIFIED TO MEET THE PROVISIONS OF THE 2009 INTERNATIONAL ENERGY CONSERVATION CODE

This home built at

2268 SUNGOLD TRL., GREENWOOD (AS BUILT), IN

by ARBOR HOMES

exceeds the minimum requirements for the 2009 International Energy Conservation Code

03-06-2015

Building Features

Ceiling Flat: R-38.0	Duct Leakage to Outside: 47.00 CFM @ 25 Pascals
Sealed Attic: NA	Total Duct Leakage: 243.00 CFM @ 25 Pascals
Vaulted Ceiling: NA	Infiltration: Htg: 1430 Clg: 1430 CFM50
Above Grade Walls: R-18.0	Window: U-Value: 0.320, SHGC: 0.280
Foundation Walls: NA	Air-Source HP Electric, Htg: 7.7 HSPF. Clg: 13.0 SEER.
Exposed Floor: R-30.0	Water Heating Conventional, Electric, 0.91 EF, 50.0 Gal.
Slab: R-10.4 Edge, R-10.4 Under	
Duct: NA	

The organization below certifies that the proposed building design described herein is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2009 IECC requirements in compliance with Chapter 4 based on Climate Zone 5A and with all mandatory requirements.

Name: DEVIN SIELSCHOTT

Signature: 

Organization: THERMO SCAN INSPECTIONS

Date: March 06, 2015

*The 2009 International Energy Conservation Code is a registered trademark of the International Code Council, Inc. ("ICC").
No version of this software has been reviewed or approved by ICC or its affiliates.
REM/Rate - Residential Energy Analysis and Rating Software v14.5.1*

2009 IECC ANNUAL ENERGY COST COMPLIANCE

Date:	March 06, 2015	Rating No.:	
Building Name:	BS030	Rating Org.:	THERMO SCAN INSPECTIONS
Owner's Name:	ARBOR HOMES	Phone No.:	317-846-4655
Property:	2268 SUNGOLD TRL.	Rater's Name:	DEVIN SIELSCHOTT
Address:	GREENWOOD (AS BUILT), IN 46143	Rater's No.:	5701119
Builder's Name:	ARBOR HOMES		
Weather Site:	Indianapolis, IN	Rating Type:	Confirmed
File Name:	BS030_ARBOR_10074389.blg	Rating Date:	03-06-2015

Annual Energy Cost (\$)

	2009 IECC	As Designed
Heating:	849	737
Cooling:	152	125
Water Heating:	492	496
SubTotal - Used to Determine Compliance:	1493	1357
Lights & Appliances:	714	719
Photovoltaics:	-0	-0
Service Charge:	113	113
Total:	2320	2189 *

Window U-Factor Check (Section 402.5)

Window U-Factor (Design must be equal or lower):	0.480	0.312
--	-------	-------

Home Infiltration (Section 402.4.2):


PASSES

Duct Leakage (Section 403.2.2):

PASSES

This home MEETS the annual energy cost requirements of Section 405 of the 2009 International Energy Conservation Code based on a climate zone of 5A. In fact, this home surpasses the requirements by 9.1%.

Name: DEVIN SIELSCHOTT

Signature: 

Organization: THERMO SCAN INSPECTIONS

Date: March 06, 2015

* Design energy cost is based on the following systems:
 ASHP: Htg: 62.7 kBtuh, 7.7 HSPF. Clg: 23.4 kBtuh, 13.0 SEER.
 Water Heating: Conventional, Elec. 0.91 EF.
 Window-to-Floor Area Ratio: 0.09
 Blower door test: Htg: 0.35 Clg: 0.35 ACHnat

In accordance with IECC, building inputs, such as setpoints, infiltration rates, and window shading may have been changed prior to calculating annual energy cost. Furthermore, the standard reference design HVAC system efficiencies are set equal to those in the design home as specified in the 2009 IECC. These standards are subject to change, and software updates should be obtained periodically to ensure the compliance calculations reflect current federal minimum standards.

RESNET HOME ENERGY RATING Standard Disclosure

For home located at: 2268 SUNGOLD TRL.

City: GREENWOOD (AS BUILT)

State: IN

1. The Rater or the Rater's employer is receiving a fee for providing the rating on this home.
2. In addition to the rating, the Rater or Rater's employer has also provided the following consulting services for this home:

- A. Mechanical system design
- B. Moisture control or indoor air quality consulting
- C. Performance testing and/or commissioning other than required for the rating itself
- D. Training for sales or construction personnel
- E. Other (specify below)

3. The Rater or Rater's employer is:

- A. The seller of this home or their agent
- B. The mortgagor for some portion of the financed payments on this home
- C. An employee, contractor or consultant of the electric and/or natural gas utility serving this home

4. The Rater or Rater's employer is a supplier or installer of products, which may include:

	Installed in this home by:		OR	Is in the business of:	
HVAC systems	<input type="checkbox"/> Rater	<input type="checkbox"/> Employer		<input type="checkbox"/> Rater	<input type="checkbox"/> Employer
Thermal insulation systems	<input type="checkbox"/> Rater	<input type="checkbox"/> Employer		<input type="checkbox"/> Rater	<input type="checkbox"/> Employer
Air sealing of envelope or duct systems	<input type="checkbox"/> Rater	<input checked="" type="checkbox"/> Employer		<input type="checkbox"/> Rater	<input type="checkbox"/> Employer
Windows or window shading systems	<input type="checkbox"/> Rater	<input type="checkbox"/> Employer		<input type="checkbox"/> Rater	<input type="checkbox"/> Employer
Energy efficient appliances	<input type="checkbox"/> Rater	<input type="checkbox"/> Employer		<input type="checkbox"/> Rater	<input type="checkbox"/> Employer
Construction (builder, developer, construction contractor, etc.)	<input type="checkbox"/> Rater	<input type="checkbox"/> Employer		<input type="checkbox"/> Rater	<input type="checkbox"/> Employer
Other (specify below):	<input type="checkbox"/> Rater	<input type="checkbox"/> Employer		<input type="checkbox"/> Rater	<input type="checkbox"/> Employer

I attest that the above information is true and correct to the best of my knowledge. As a Rater or Rating Provider I abide by the rating quality control provisions of the Mortgage Industry National Home Energy Rating Standard as set forth by the Residential Energy Services Network (RESNET). The national rating quality control provisions of the rating standard are contained in Chapter One 4.C.8. of the standard and are posted at http://resnet.us/standards/RESNET_Mortgage_Industry_National_Standard. The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

DEVIN SIELSCHOTT

Rater's Printed Name



Rater's Signature

5701119

Certification #

March 06, 2015

Date



Community Development Services
 Engineering Division
 300 South Madison Avenue
 Greenwood, IN 46142
 (317) 887-5230
 (317) 887-5616

DRIVEWAY-SIDEWALK

Permit Number **2014-0601** Address: **2268 Sungold Trail** Block Section **1**
 Issue Date: **11/21/2014** Lot **30** Subdivision **Briarstone** Project

DRIVEWAY INSPECTION		Date Called In: <i>3.23.15</i>	
Date of Inspection		Time	
M	T	W	TH F
<i>3.24.15</i>		<i>11:00</i> AM	
Outcome			
PASSED		FAILED	
COMMENTS			
<i>Off Block</i>			
INSPECTED BY		DATE	

SIDEWALK INSPECTION		Date Called In: <i>3.23.15</i>	
Date of Inspection		Time	
M	T	W	TH F
<i>3.24.15</i>		<i>11:00</i> AM	
Outcome			
PASSED		FAILED	
COMMENTS			
<i>Off Block</i>			
INSPECTED BY		DATE	

DRIVEWAY RE-INSPECT		Date Called In:	
Date of Inspection		Time	
M	T	W	TH F
		AM PM	
Outcome			
PASSED		FAILED	
COMMENTS			
INSPECTED BY		DATE	

SIDEWALK RE-INSPECT		Date Called In:	
Date of Inspection		Time	
M	T	W	TH F
		AM PM	
Outcome			
PASSED		FAILED	
COMMENTS			
INSPECTED BY		DATE	