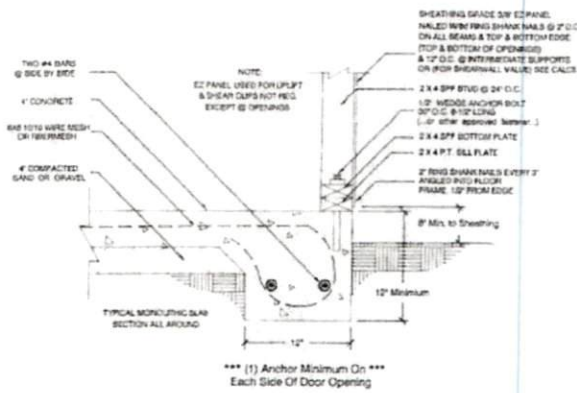




**CONCRETE SLAB PLAN**  
SCALE 1/4" = 1'-0"



**B**  
**6**

**MONOLITHIC CONCRETE SLAB DETAIL**

SCALE 1/4" = 1'-0"

**MONOLITHIC SLAB FOOTING NOTES.**

1. ALL MATERIALS AND LABOR SHALL MEET OR EXCEED APPLICABLE LOCAL CODES.
2. UNLESS OTHERWISE SPECIFIED OR SUPERSEDED BY APPLICABLE LOCAL CODES, MATERIAL TO BE 3000 PSI CONCRETE, A615 GRADE 60 REBAR, A36 A.S. MIN. REBAR LAP = 20".
3. THIS MONOLITHIC SLAB IS DESIGNED FOR THE BACKYARD PRODUCTS, LLC 12" WIDE GAMBREL. ANY DEVIATION AND MODIFICATION IS STRICTLY PROHIBITED.

**STRUCTURAL ONLY**  
The contractor is to arrange design, all other details of this construction including but not limited to, foundation, etc. The contractor will agree and be responsible for them.



NTA, Inc., 285 N Oakland Ave  
Nagspeake, Indiana 46253  
Engineering CDA No. C-3412

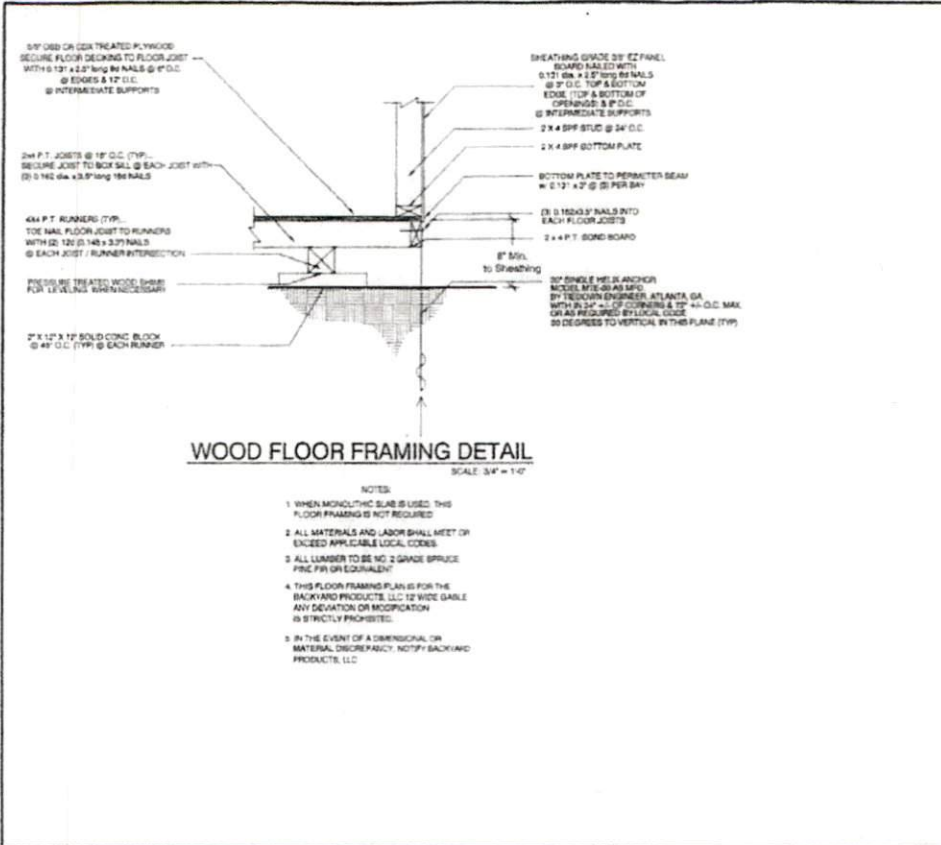
These documents are submitted only to the engineer and contractor for their use and are not to be used for any other purpose. These documents shall not be construed as a warranty, liability or design. Any errors or omissions of the building not covered by these documents shall be the responsibility of the contractor. The contractor shall be responsible for obtaining all necessary permits and approvals from the local authority having jurisdiction. NTA, Inc. is not responsible for foundation or structure. It is acknowledged that these drawings have been modified, substituted or altered in any way, without NTA, Inc. or NTA, Inc.'s consent or approval.

Depth Dim. "A"	12'-0" Base	18'-0"	20'-0"	24'-0"				
Gambrel Style 12'-0" wide by:								



**12'-0" GAMBREL STYLE  
CONCRETE SLAB DETAILS**

DATE: 07/20/2018  
DRAWN BY: [Signature]  
CHECKED BY: [Signature]  
SCALE: 1/4" = 1'-0"



**WOOD FLOOR FRAMING DETAIL**

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

**NOTES:**

1. WHEN MONOLITHIC SLAB IS USED, THIS FLOOR FRAMING IS NOT REQUIRED.
2. ALL MATERIALS AND LABOR SHALL MEET OR EXCEED APPLICABLE LOCAL CODES.
3. ALL LUMBER TO BE NO. 2 GRADE SPRUCE PINE FIR OR EQUIVALENT.
4. THIS FLOOR FRAMING PLAN IS FOR THE BACKYARD PRODUCTS, LLC 12' WIDE GABLE. ANY DEVIATION OR MODIFICATION IS STRICTLY PROHIBITED.
5. IN THE EVENT OF A DIMENSIONAL OR MATERIAL DISCREPANCY, NOTIFY BACKYARD PRODUCTS, LLC.

**STRUCTURAL ONLY**  
 This certification is for structural design only. All other matters of code compliance including but not limited to electrical, plumbing, fire, mechanical, and energy are the responsibility of others.

NTA, Inc., 305 N Oakland Ave  
 Nappanee, Indiana 46550  
 Engineering CGA No. C-0412

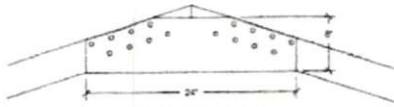
These documents are applicable only to the drawings and existing conditions specifically provided herein. These documents shall not be construed in any way to specify, certify or design any aspects of the building not contained herein. Structural design criteria and related codes or information provided to the client shall be verified and approved by the local authority having jurisdiction. NTA, Inc. is not responsible for fabrication or erection. If a replacement for these drawings have been created, substituted or altered in any way, contact NTA, Inc. at (317) 773-7979 for more information.

Depth Dim. 'A'	12'-0" Base	16'-0"	20'-0"	24'-0"
Gable Style 12'-0" wide by				



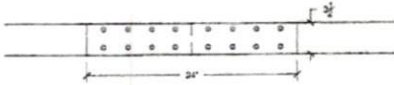
**12'-0" GAMBREL STYLE ELEVATIONS**

Job No.	1224	Project Name	12' Gambrel Style
Client	NTA, Inc.	Drawn By	NTA, Inc.
Issue	1	Date	July 22, 2013



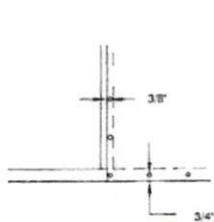
3" OSB or EZ PANEL Gusset  
GLUED & NAILED WITH  
(26) 4d 1-1/2" NAILS

**A** ROOF GUSSET CONNECTION DETAIL  
SCALE: 1" = 1'-0"

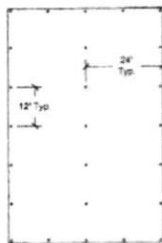


3" OSB or EZ PANEL Gusset  
GLUED & NAILED WITH  
(16) 4d 1-1/2" NAILS

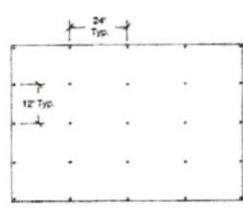
**B** COLLAR TIE GUSSET CONNECTION DETAIL  
SCALE: 1" = 1'-0"



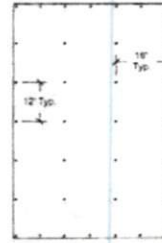
**F** SINGLE EDGE NAILING



**C** WALL PANEL TYP. NAIL PATTERN



**D** ROOF PANEL TYP. NAIL PATTERN



**E** FLOOR PANEL TYP. NAIL PATTERN

**NOTES:**

1. THESE STRUCTURAL DRAWINGS SHALL BE USED FOR THE CONSTRUCTION OF THE SHOWN STORAGE BUILDING. IN THE EVENT OF DIMENSIONAL DISCREPANCY, NOTIFY THE ENGINEER FOR RESOLUTION OF CONFLICT. ANY DEVIATION FROM THESE DRAWINGS MUST BE APPROVED BY THE ENGINEER.
2. MATERIALS
  - \* ALL LUMBER TO BE NUMBER 2 GRADE SPRUCE PINE FIR OR EQUIVALENT
  - \* ALL PLYWOOD SHALL CONFORM TO THE LATEST EDITION OF APA SPECIFICATIONS
  - \* ALL CONNECTORS/FASTENERS AND ITS SPACING SHALL MEET THE APPLICABLE CODES
  - \* ALL MATERIALS AND LABOR PER APPLICABLE LOCAL CODES
  - \* SmarTide Panel: 3/8" APA RATED (PRP-108) AS MANUFACTURED BY LOUISIANA-PACIFIC COMPANY, PORTLAND, OR. NER 124 CODE RECOGNITION
  - \* O.S.B DECKING: 7/16" APA RATED ORIENTED STRAND BOARD AS MANUFACTURED BY LOUISIANA-PACIFIC COMPANY, PORTLAND, OR.
3. THESE STRUCTURES ARE TO BE USED AS STORAGE ONLY AND NOT FOR HABITATION

**STRUCTURAL ONLY**  
This certificate is for structural design only. It does not cover other trades or work not shown. The contractor is responsible for the construction and safety of the structure.



NTA, Inc., 205 N Oakland Ave  
Nappanee, Indiana 46355  
Engineering CDA No. C-3412

These drawings are submitted to the state and local officials as a condition of construction. The contractor shall be responsible for any and all necessary permits or approvals of the building and construction. Structural design office is not responsible for information provided by the client and should be verified and approved by the local authority having jurisdiction. NTA, Inc. is not responsible for fabrication or erection. It is assumed that these drawings have been modified, substituted or corrected in any way, revised 10/1, Inc. at (716) 774-7073 to obtain a full copy.

Depth Dim. "A"	12'-0" Base	18'-0"	22'-0"	24'-0"		
Gambrel Style						
12'-0" wide by:						

**BACKYARD PRODUCTS, LLC.**  
12'-0" GAMBREL STYLE NOTES

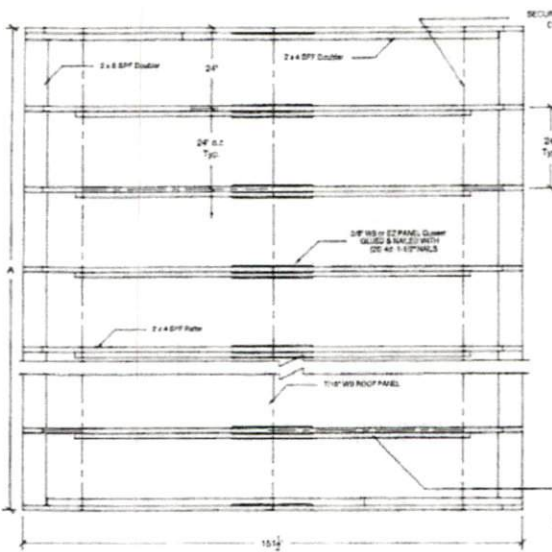
DATE: 07/19/2018  
DRAWN BY: [Signature]  
CHECKED BY: [Signature]  
SCALE: 3/8" = 1'-0"

**STRUCTURAL ONLY**  
 This document is for structural design only. It is not intended for construction including, but not limited to, alterations and, the materials and systems are the responsibility of others.



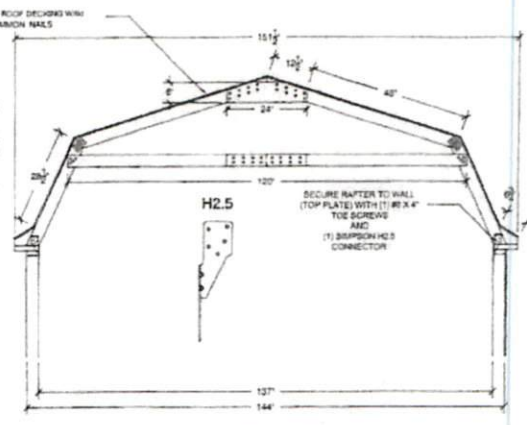
NTA, Inc., 305 N Oakland Ave  
 Nappanee, Indiana 46550  
 Engineering Code No. C-2412

These documents are applicable only to the elements and loading of those specifically provided herein. These documents shall not be construed in any way to modify, amend or design any aspects of the building for unshown items. Structural design details are based upon information provided to the client and shall be verified and approved by the local authority having jurisdiction. NTA, Inc. is not responsible for installation or erection. It is indicated that these drawings have been modified, substituted or altered in any way, contact NTA, Inc. at (317) 773-7373 to obtain a Re-iss.



**ROOF FRAMING PLAN**  
 SCALE 3/8" = 1'-0"

NOTE:  
 1. THIS WALL PLAN IS GOOD FOR THE 12" WIDE GAMBREL.  
 ONLY ALL MATERIAL AND LABOR SHALL  
 MEET OR EXCEED APPLICABLE LOCAL CODES.



**RAFTER SECTION**  
 SCALE 3/8" = 1'-0"

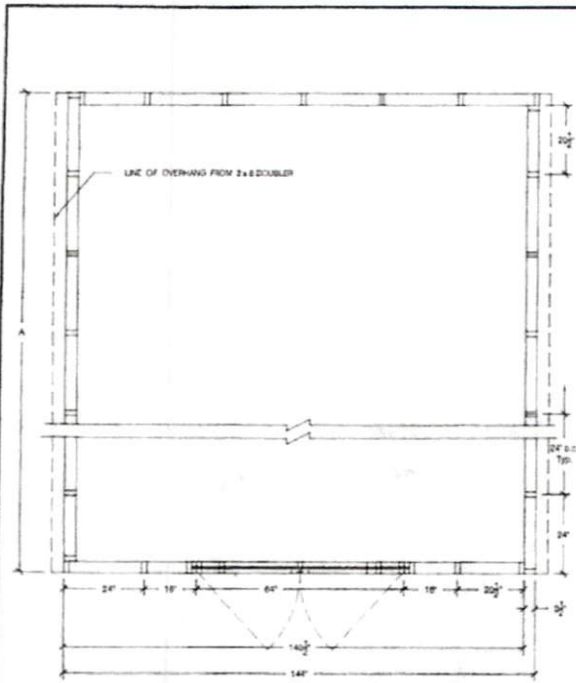
**NOTES:**

1. Approved Shingles installed per manufactures instructions with 4 nails per shingle
2. Dripedge must overlap 2" and nailed every 12" max.

Depth Dim. "A"	12'-0" Base	18'-0"	20'-0"	24'-0"
Gambrel Style				
12'-0" wide by:				

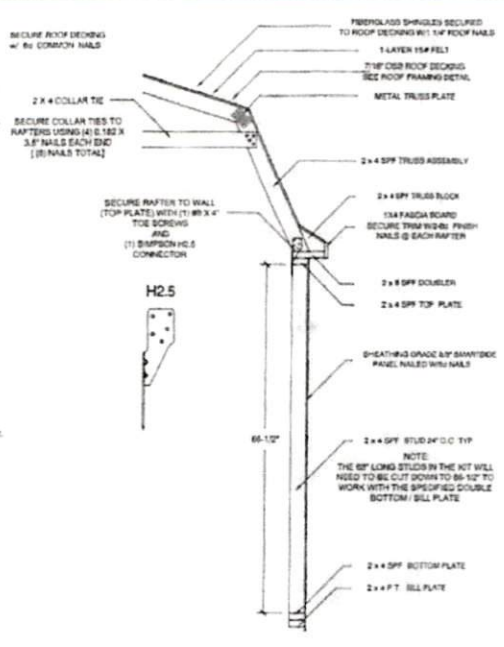
**BACKYARD PRODUCTS, LLC**  
 12'-0" GAMBREL STYLE ROOF DETAILS

DATE: 07/26/18  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 SCALE: 3/8" = 1'-0"



**TYP. WALL FRAMING PLAN**  
SCALE 1/4" = 1'-0"

NOTE:  
\* THIS WALL PLAN IS GOOD FOR THE 12" WIDE GAMBREL.  
ONLY ALL MATERIAL AND LABOR SHALL  
MEET OR EXCEED APPLICABLE LOCAL CODES.



**WALL SECTION**  
SCALE 1/4" = 1'-0"

**STRUCTURAL ONLY**  
This specification is for structural design only. All other matters of code compliance including but not limited to allowable loads, the maintenance of systems are the responsibility of others.



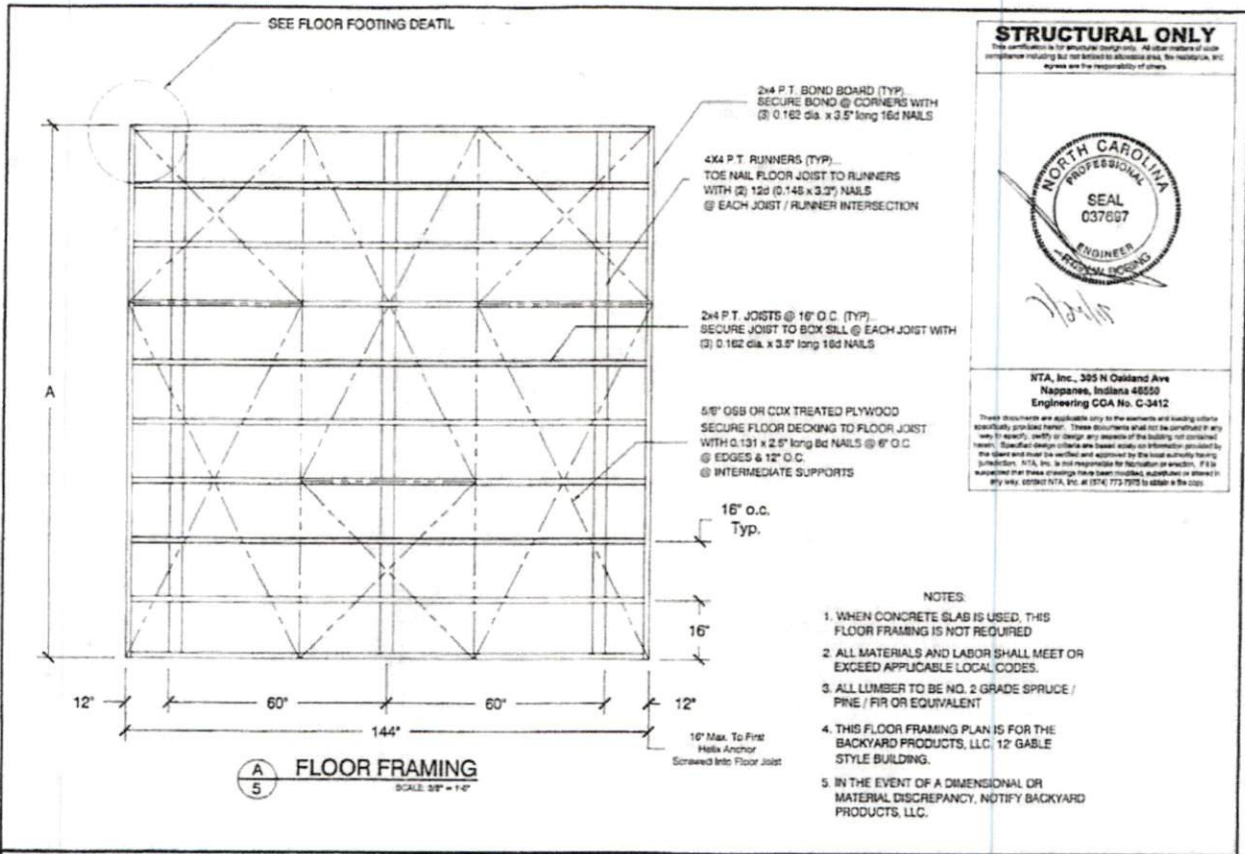
NTA, Inc., 305 N Oakland Ave  
Nappanee, Indiana 46550  
Engineering CDA No. C-3412

These drawings are prepared only to the extent of the building codes specifically provided herein. These drawings shall not be construed to be used in any other way or for any other purpose. The user of these drawings shall be responsible for obtaining all applicable codes and regulations. NTA, Inc. is not responsible for any errors or omissions. If it is determined that these drawings have been modified, identified or altered in any way, contact NTA, Inc. at (317) 773-7873 for details on the issue.

Depth Dim. "A"	12'-0" Base	18'-0"	27'-0"	24'-0"		
Gambrel Style						
12'-0" wide by						

**BACKYARD PRODUCTS, LLC**  
12'-0" GAMBREL STYLE WALL DETAILS

DATE: 07/20/2011  
DRAWN BY: J. B. BROWN  
CHECKED BY: J. B. BROWN  
SCALE: 1/4" = 1'-0"



**STRUCTURAL ONLY**  
This certification is for structural compliance. It does not constitute a seal of approval or compliance including but not limited to electrical, plumbing, mechanical, or fire. The user assumes all responsibility for the use of this document.

**NORTH CAROLINA**  
PROFESSIONAL  
SEAL  
037697  
ENGINEER  
ARCHITECT

NTA, Inc., 305 N Oakland Ave  
Nappanee, Indiana 46550  
Engineering CCA No. C-3412

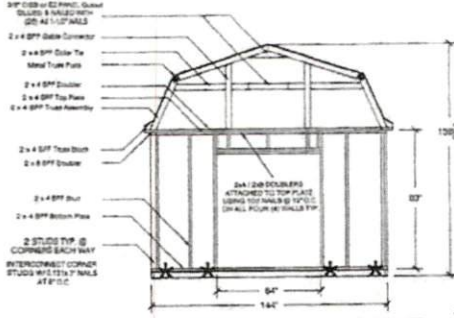
These documents are applicable only to the materials and building criteria specifically provided herein. These documents shall not be construed as any warranty, seal of approval, or endorsement of the building or construction. Backyard design criteria are based solely on information provided by the client and must be verified and approved by the local authority having jurisdiction. NTA, Inc. is not responsible for construction or erection. If it is determined that these drawings have been modified, substituted or altered in any way, contact NTA, Inc. at 317-474-7733 to obtain a new copy.

Depth Dim. 'A'	12'-0" Base	16'-0"	20'-0"	24'-0"
Gable Style 12'-0" wide by:				

**BACKYARD PRODUCTS, LLC.**

12'-0" GAMBREL STYLE ELEVATIONS

DATE: 07/20/2017  
DRAWN BY: A. Butler  
CHECKED BY: A. Butler  
DATE: 07/20/2017

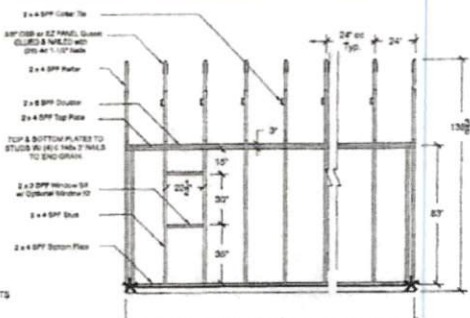


**A GABLE FRAMING with DOOR CENTERED**  
SCALE 3/8" = 1'-0"

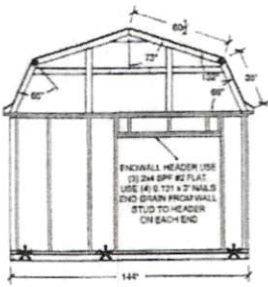
**NOTE**  
CALL END STUDS ARE DESIGNED TO BE SPACED BETWEEN ALL STUDS. HEAD STUDS NO ADDITIONAL STRUCTURAL FRAMING.  
NAIL END STUDS TO WALLS ENOUGH TO AROUND THE WINDOW CUT OUT.  
ALL LUMBER SPP #2 UNLESS NOTED OTHERWISE.

**NOTE**  
FOR 1/2" EZ PANEL ATTACHMENT  
SEE CALCULATIONS FOR REQUIREMENTS

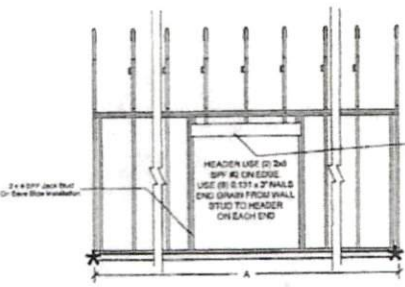
\* AT EACH LOCATION ATTACH WALL STUDS TO FOUNDATION / GROUND FOR OVERTURNING FORCE. SEE CALCULATIONS



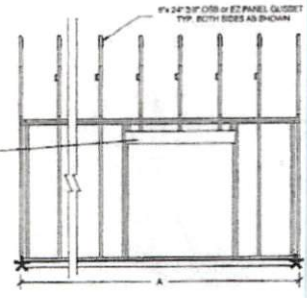
**B EAVE FRAMING w/g DOOR**  
SCALE 3/8" = 1'-0"



**C GABLE FRAMING with DOOR OFFSET**  
SCALE 3/8" = 1'-0"



**D EAVE SIDE FRAMING w/ DOOR CENTERED**  
SCALE 3/8" = 1'-0"



**E EAVE SIDE FRAMING w/ DOOR OFFSET**  
SCALE 3/8" = 1'-0"

**STRUCTURAL ONLY**  
This information is for structural design only. All other aspects of construction including but not limited to electrical, plumbing, fire, and other trades shall be the responsibility of other trades.



NTA, Inc., 305 N Oakland Ave  
Happanee, Indiana 46530  
Engineering COA No. C-5412

These documents are applicable only to the structure and loading which specifically provide herein. These documents shall not be construed in any way to modify, verify, or negate any aspects of the building for which used. Specific design criteria are based solely on information provided by the client and must be verified and approved by the local authority having jurisdiction. NTA, Inc. is not responsible for fabrication or erection. It is acknowledged that these drawings have been printed, published, or placed in any way, without NTA, Inc. written consent to such use.

Depth Dim. "A"	12'-0"	16'-0"	20'-0"	24'-0"		
Gambrel Style						
12'-0" wide by:						



**12'-0" GAMBREL STYLE WALL FRAMING**

Project No.	037697	Date	06/25/15
Client		Drawn	
Scale	3/8" = 1'-0"	Check	
Sheet	037697-01	Total	2 OF 2

**STRUCTURAL ONLY**  
 This document is for structural design only. It is not a contract. The contractor is responsible for obtaining all necessary permits and approvals and for the responsibility of construction.



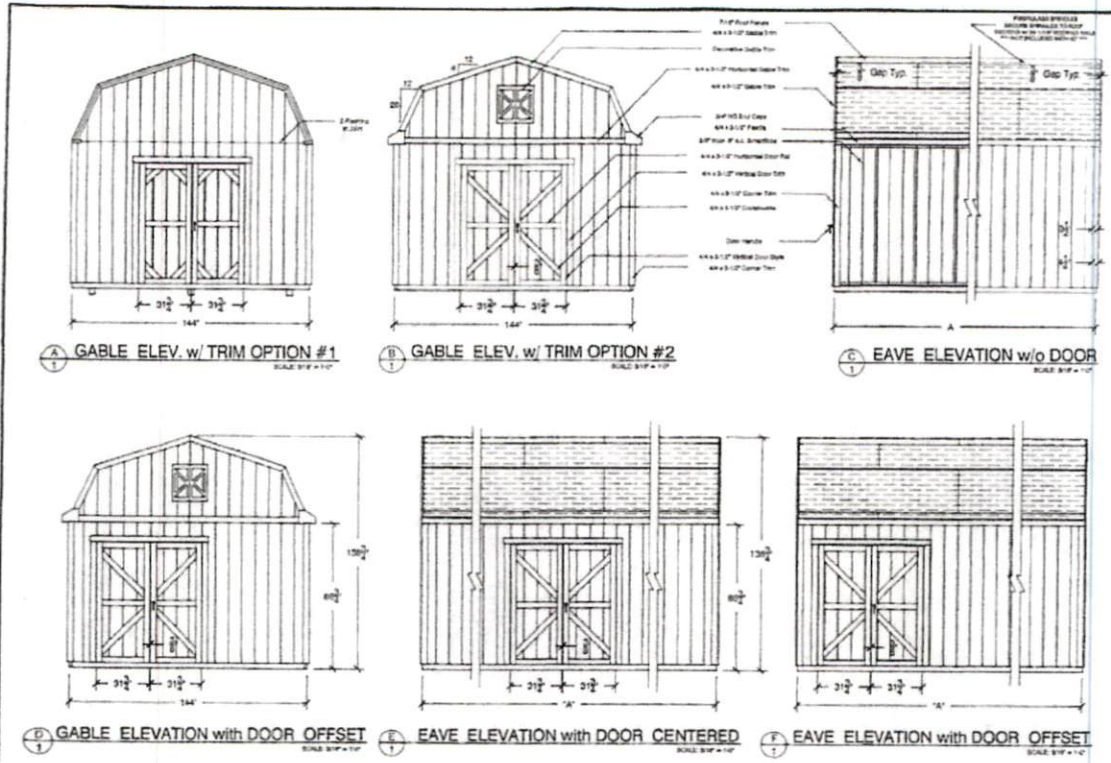
NTA, Inc., 355 H Oakland Ave  
 Ragsdale, Indiana 46550  
 Engineering CDA No. C-5412

These documents are applicable only to the quantities and loading unless specifically provided herein. These documents shall not be construed or any way to specify, modify or change any portion of the building, nor intended. Specific design criteria are based solely on information provided to the client and must be verified and approved by the local authority having jurisdiction. NTA, Inc. is not responsible for fabrication or erection. If it is determined that these designs have been modified substantially or altered in any way, contact NTA, Inc. at (317) 773-7979 to obtain a new set.

DESIGN CRITERIA:	
Design Code	2009 IBC
Wind Speed	130 mph
Exposure	C
Seismic Design Category	C
Roof Dead Load	10 PSF
Floor Live Load	15 PSF
Floor Dead Load	10 PSF
Floor Live Load	60 PSF
Ground Snow Load	15 PSF

MATERIALS:	
Roof Sheathing	7/16" Rated 24/0
Wall Sheathing	3/8" Siding Rated 24/0



Depth Dim. "A"	12'-0" Base	16'-0"	20'-0"	24'-0"
Gambrel Style				
12'-0" wide by:				

**BACKYARD PRODUCTS, LLC.**  
 12'-0" GAMBREL STYLE ELEVATIONS

File No. \_\_\_\_\_  
 Job No. \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Scale: 1/8" = 1'-0"