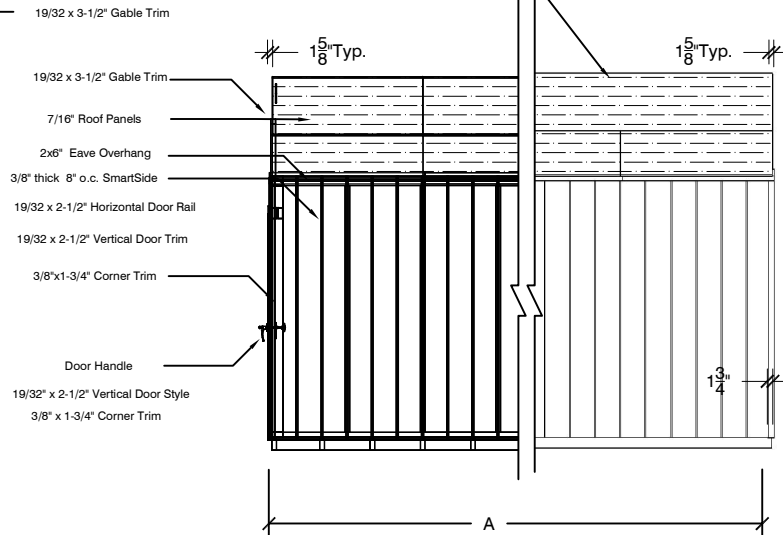
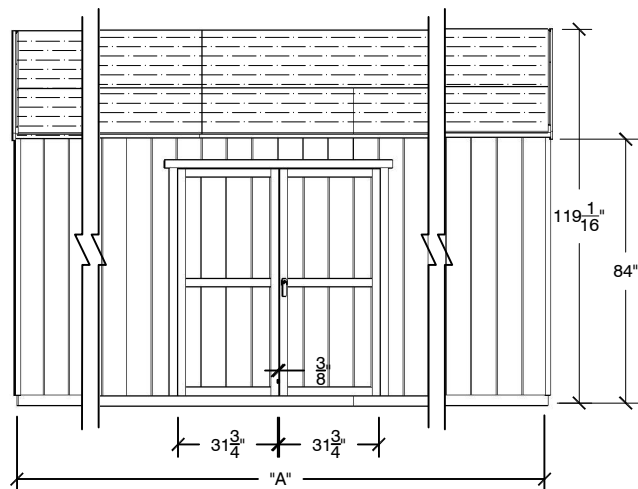


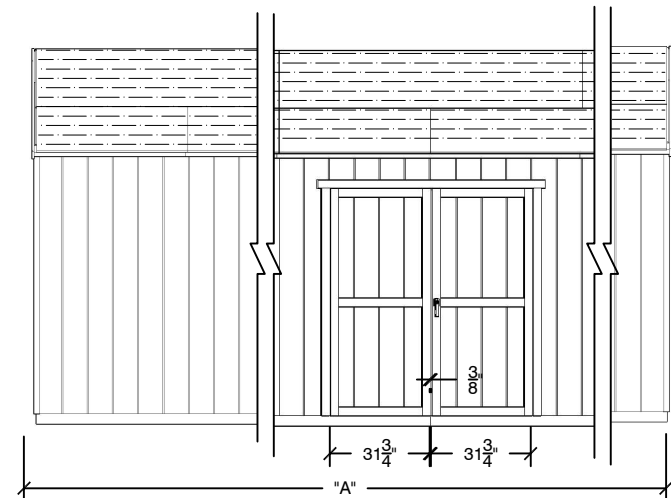
**(A) GABLE ELEV. w/ TRIM**  
SCALE: 3/16" = 1'-0"



**(B) EAVE ELEVATION w/o DOOR**  
SCALE: 3/16" = 1'-0"



**(C) EAVE ELEVATION with DOOR CENTERED**  
SCALE: 3/16" = 1'-0"



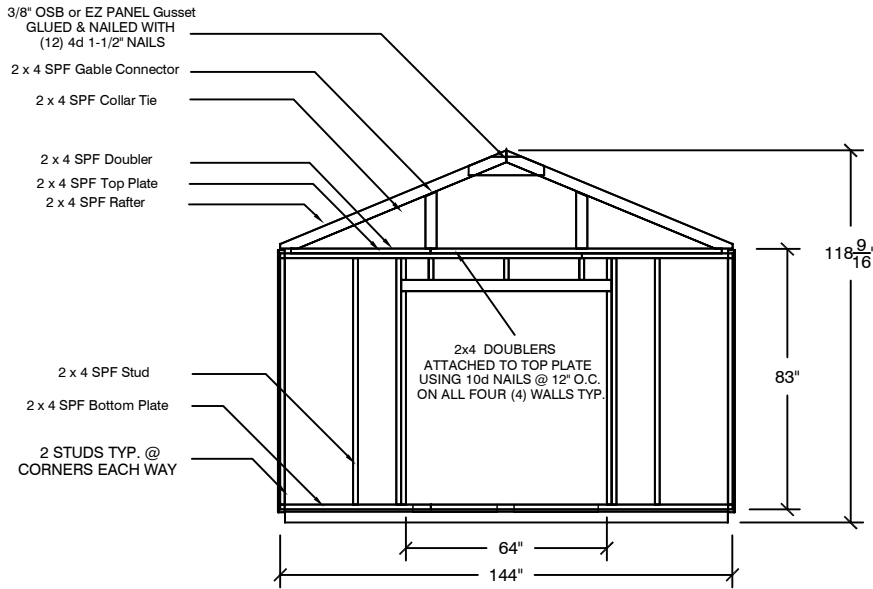
**(D) EAVE ELEVATION with DOOR OFFSET**  
SCALE: 3/16" = 1'-0"

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

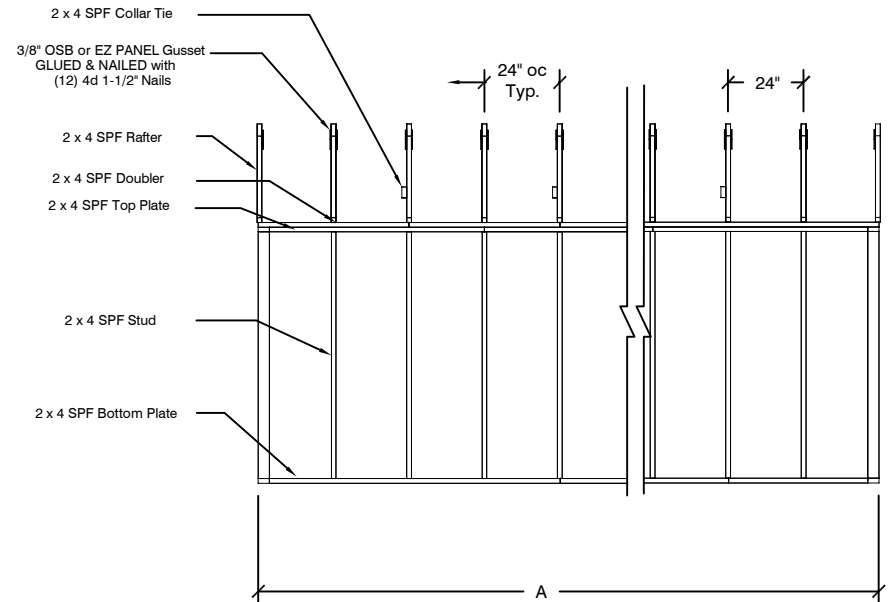


**12'-0" (ASTORIA) GABLE  
STYLE ELEVATIONS**

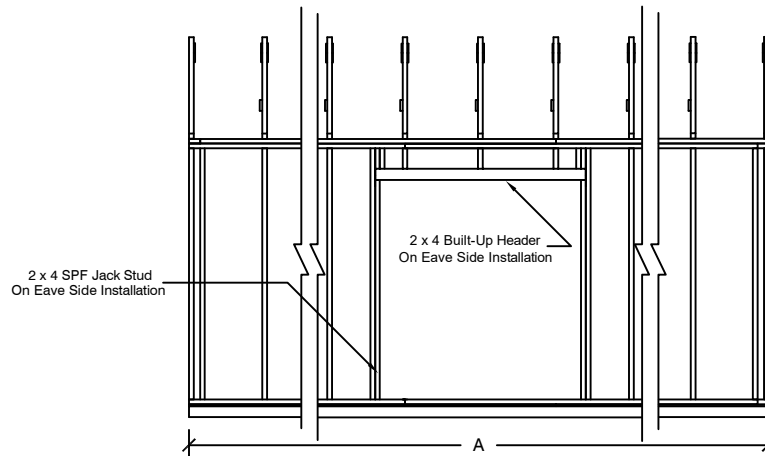
|                   |                                                |                          |                                |
|-------------------|------------------------------------------------|--------------------------|--------------------------------|
| SIZE<br>D         | ADDRESS<br>1000 Ternes Dr.<br>Monroe, MI 48162 | DWG BY.<br>Marc Donnelly | Last Revision<br>March 30, 202 |
| SCALE<br>As Noted | (800) 437-0784                                 | SHEET<br>1 of 6          |                                |



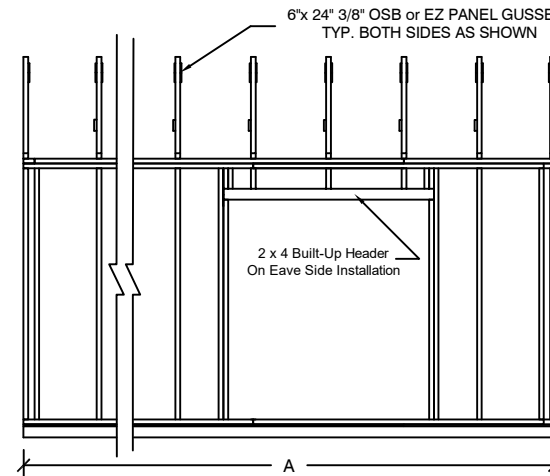
**A**  
**2** **GABLE FRAMING with DOOR**  
SCALE: 3/16" = 1'-0"



**B**  
**2** **EAVE FRAMING w/o DOOR**  
SCALE: 3/16" = 1'-0"



**D**  
**2** **EAVE SIDE  
FRAMING w/ DOOR CENTERED**  
SCALE: 3/16" = 1'-0"



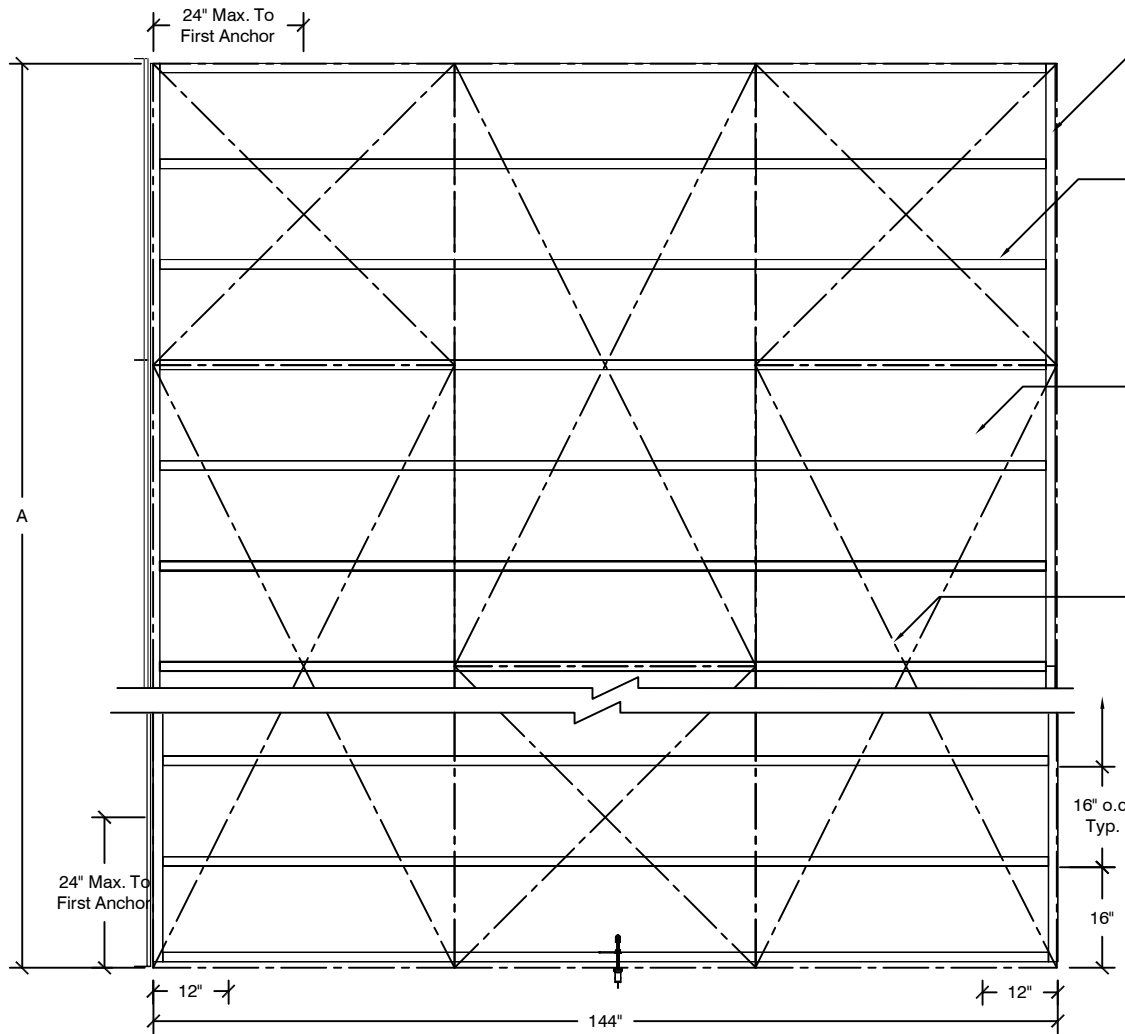
**E**  
**2** **EAVE SIDE  
FRAMING w/ DOOR OFFSET**  
SCALE: 3/16" = 1'-0"

|                                |             |        |        |        |  |  |  |  |  |  |
|--------------------------------|-------------|--------|--------|--------|--|--|--|--|--|--|
|                                |             |        |        |        |  |  |  |  |  |  |
| Depth Dim. "A "                | 12'-0" Base | 16'-0" | 20'-0" | 24'-0" |  |  |  |  |  |  |
| Gable Style<br>12'-0" wide by: | ✓           |        |        |        |  |  |  |  |  |  |
|                                |             |        |        |        |  |  |  |  |  |  |
|                                |             |        |        |        |  |  |  |  |  |  |



|                                                 |                                                |                          |                                |
|-------------------------------------------------|------------------------------------------------|--------------------------|--------------------------------|
| <b>12'-0" (ASTORIA) GABLE<br/>STYLE FRAMING</b> |                                                |                          |                                |
| SIZE<br>D                                       | ADDRESS<br>1000 Termes Dr.<br>Monroe, MI 48162 | DWG BY.<br>Marc Donnelly | Last Revision<br>March 30, 202 |
| SCALE<br>As Noted                               | (800) 437-0784                                 | SHEET<br>2 of 6          |                                |

6'-0" MAX SPAN BETWEEN EARTH ANCHORS



**FLOOR FRAMING**  
SCALE: 3/8" = 1'-0"

P.T. BOND BOARD (TYP)...  
SECURE BOND @ CORNERS  
W/3-10d NAILS

P.T. JOISTS @ 16" O.C. (TYP)...  
SECURE JOIST TO BOX SILL  
W/2-10d NAILS @ EACH JOIST

4X4 P.T. RUNNERS (TYP)...  
TOE NAIL FLOOR JOIST TO RUNNERS  
W/2-10d NAILS @ EACH JOIST/RUNNER  
INTERSECTION

5/8" OSB STANDARD OR 3/4" CDX TREATED PLYWOOD  
(Optional 3/4" CDX Treated Plywood)  
SECURE FLOOR DECKING  
TO FLOOR JOIST W/6d NAILS

**NOTES:**

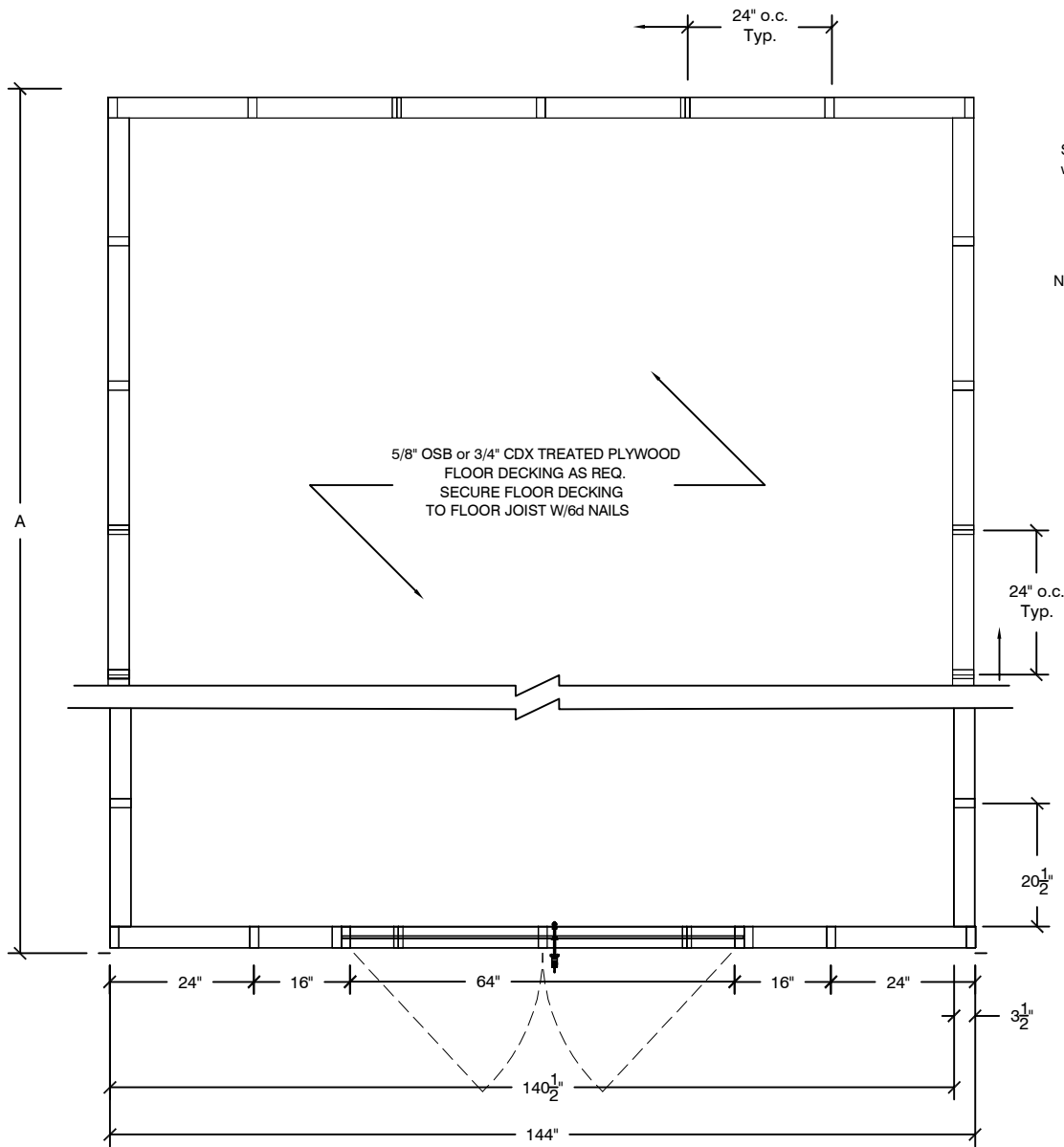
1. WHEN CONCRETE SLAB IS USED, THIS FLOOR FRAMING IS NOT REQUIRED
2. ALL MATERIALS AND LABOR SHALL MEET OR EXCEED APPLICABLE LOCAL CODES.
3. ALL LUMBER TO BE NO. 2 GRADE SPRUCE PINE FIR OR EQUIVALENT.
4. THIS FLOOR FRAMING PLAN IS FOR THE BACKYARD PRODUCTS, INC. 12' WIDE GABLE STYLE BUILDING
5. IN THE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

| Depth Dim. "A "                | 12'-0" Base | 16'-0" | 20'-0" | 24'-0" |  |  |
|--------------------------------|-------------|--------|--------|--------|--|--|
| Gable Style<br>12'-0" wide by: | ✓           |        |        |        |  |  |



**12'-0" (ASTORIA) GABLE  
STYLE FLOOR**

| SIZE  | ADDRESS                             | DWG BY         | Last Revision  |
|-------|-------------------------------------|----------------|----------------|
| D     | 1000 Ternas Dr.<br>Monroe, MI 48162 | Marc Donnelly  | March 30, 2021 |
| SCALE | As Noted                            | (800) 437-0784 | SHEET 3 of 6   |



**A**  
4  
**TYP. WALL FRAMING PLAN**  
SCALE: 3/8" = 1'-0"

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

SECURE ROOF DECKING  
w/ 6d COMMON NAILS

2X4 COLLAR TIE  
SECURE COLLAR TIES  
TO RAFTERS W/4-10d  
NAILS (2 NAILS EACH RAFTER)

FIBERGLASS SHINGLES SECURED  
TO ROOF DECKING W/1 1/4" ROOF NAILS

1-LAYER 15# FELT

7/16" OSB ROOF DECKING  
SEE ROOF FRAMING DETAIL

2 x 4 SPF RAFTER

2 x 6 SPF OVERHANG

2 x 4 DOUBLER

2 x 4 SPF TOP PLATE

SHEATHING GRADE 3/8" SMARTSID  
PANEL NAILED W/6d NAILS

2 x 4 SPF STUD 24" O.C. TYP.

2 x 4 SPF BOTTOM PLATE

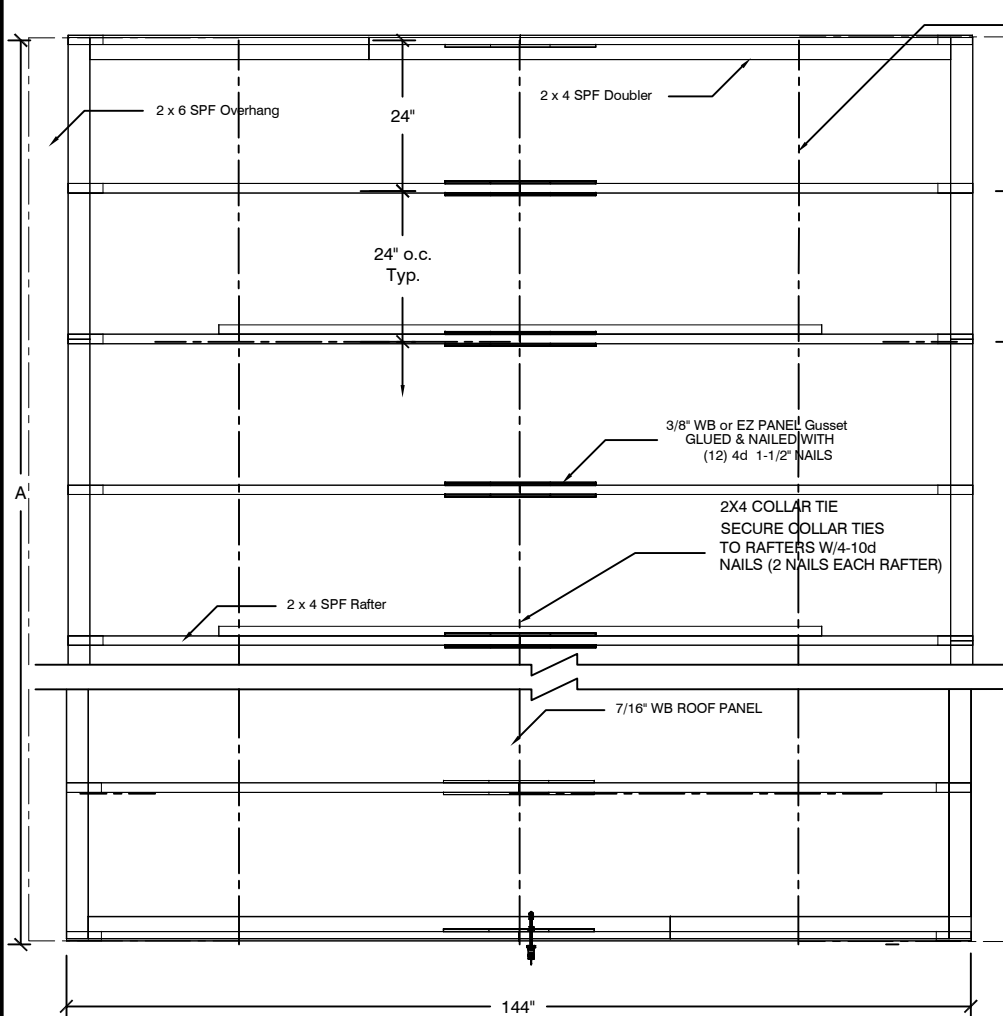
**B**  
4  
**WALL SECTION**  
SCALE: 3/8" = 1'-0"

| Depth Dim. "A "                | 12'-0" Base | 16'-0" | 20'-0" | 24'-0" |  |  |
|--------------------------------|-------------|--------|--------|--------|--|--|
| Gable Style<br>12'-0" wide by: | ✓           |        |        |        |  |  |



## 12'-0" (ASTORIA) GABLE STYLE WALLS

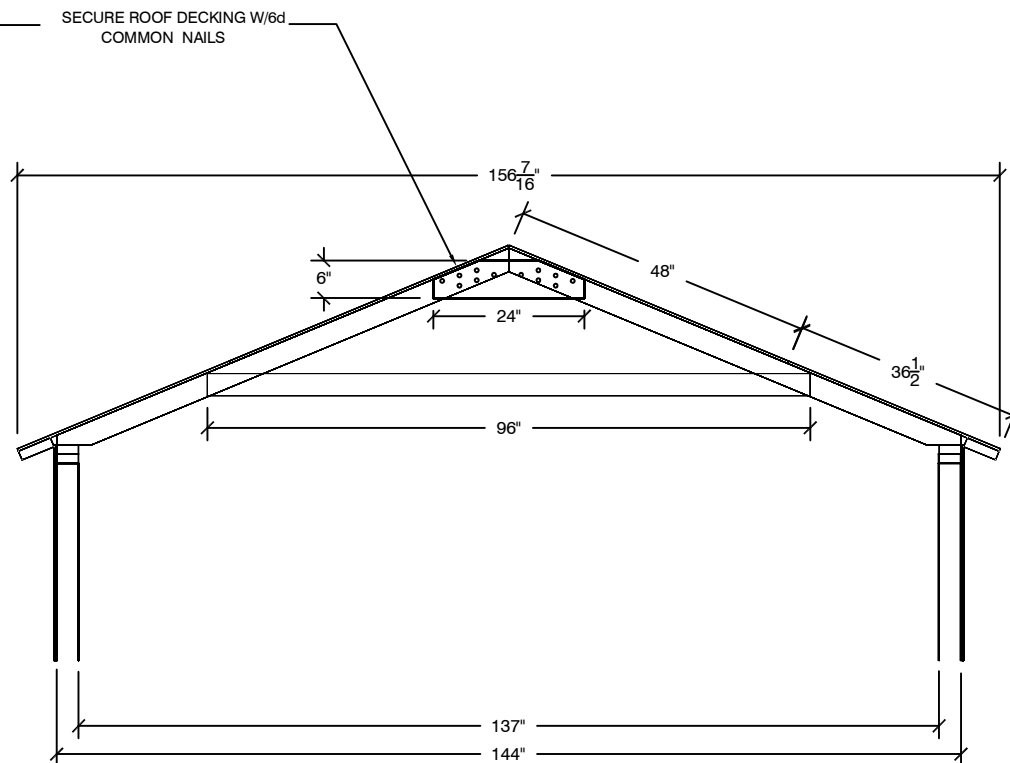
| SIZE  | ADDRESS                             | DWG BY:        | Last Revision  |
|-------|-------------------------------------|----------------|----------------|
| D     | 1000 Ternes Dr.<br>Monroe, MI 48162 | Marc Donnelly  | March 30, 2022 |
| SCALE | As Noted                            | (800) 437-0784 | SHEET 4 of 6   |



**(A) ROOF FRAMING PLAN**  
SCALE: 3/8" = 1'-0"

NOTE:

1. THIS WALL PLAN IS GOOD FOR THE 12' WIDE GABLE ONLY. ALL MATERIAL AND LABOR SHALL MEET OR EXCEED APPLICABLE LOCAL CODES.



**(B) RAFTER SECTION**  
SCALE: 3/8" = 1'-0"

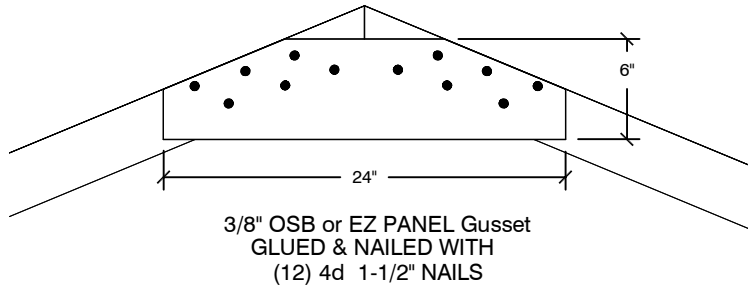
NOTES:

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

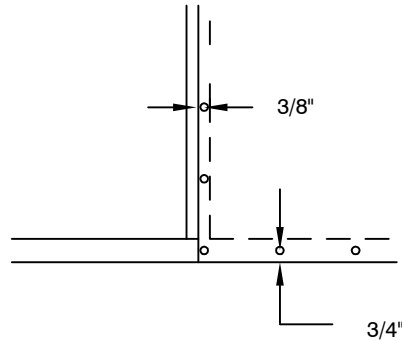
|                                |             |        |        |        |  |  |
|--------------------------------|-------------|--------|--------|--------|--|--|
| Depth Dim. "A "                | 12'-0" Base | 16'-0" | 20'-0" | 24'-0" |  |  |
| Gable Style<br>12'-0" wide by: | ✓           |        |        |        |  |  |

**12'-0" (ASTORIA) GABLE STYLE ROOF**

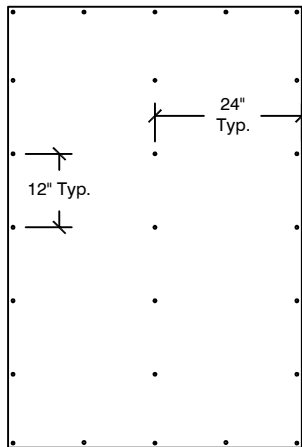
|                   |                                                |                          |                                 |
|-------------------|------------------------------------------------|--------------------------|---------------------------------|
| SIZE<br>D         | ADDRESS<br>1000 Ternes Dr.<br>Monroe, MI 48162 | DWG BY:<br>Marc Donnelly | Last Revision<br>March 30, 2021 |
| SCALE<br>As Noted | (800) 437-0784                                 | SHEET<br>5 of 6          |                                 |



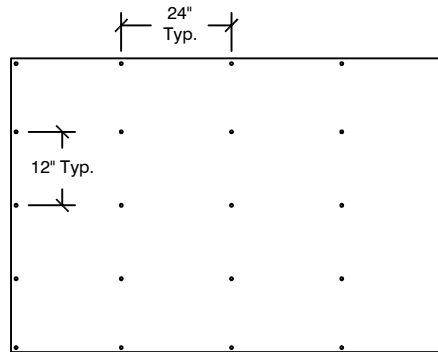
**A**  
6 **ROOF GUSSET CONNECTION DETAIL**  
SCALE: 1" = 1'-0"



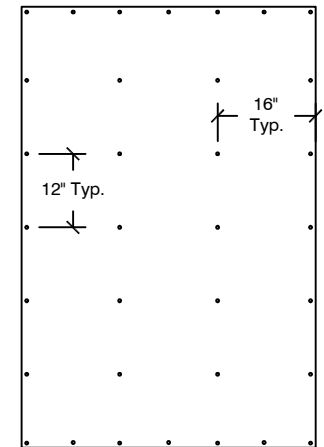
**E**  
6 **SINGLE EDGE NAILING**



**B**  
6 **WALL PANEL TYP. NAIL PATTERN**



**C**  
6 **ROOF PANEL TYP. NAIL PATTERN**



**D**  
6 **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
- \* SmartSide 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

## ENGINEERING CALCULATIONS

### DESIGN CRITERIA:

|                          |                        |
|--------------------------|------------------------|
| Design Code:             | IBC 2020               |
| Wind Speed:              | 90 mph                 |
| Exposure:                | Exp. C                 |
| Roof Dead Load           | 6 PSF                  |
| Floor Dead Load - Wood   | 6 PSF                  |
| Roof Live Load           | 30.2 PSF               |
| Floor Live Load - Wood   | 40 PSF                 |
| Seismic Design Category: | D                      |
| MATERIALS:               |                        |
| Roof Sheathing:          | 7/16" Rated 24/0       |
| Wall Sheathing:          | 3/8" Siding Rated 24/0 |

| 12'-0" (ASTORIA) GABLE STYLE NOTES |             |        |        |        |  |  | SIZE  | ADDRESS                             | DWG BY.        | Last Revision |
|------------------------------------|-------------|--------|--------|--------|--|--|-------|-------------------------------------|----------------|---------------|
| Depth Dim. "A"                     | 12'-0" Base | 16'-0" | 20'-0" | 24'-0" |  |  | D     | 1000 Ternes Dr.<br>Monroe, MI 48162 | Marc Donnelly  | March 30, 202 |
| Gable Style<br>12'-0" wide by:     | ✓           |        |        |        |  |  | SCALE | As Noted                            | (800) 437-0784 | SHEET 6 of 6  |

