

# MASTER SHED PLANS

(GABLE ROOF)

FOR  
GULF COAST BARN & STORAGE

P.O. BOX 177  
HORSESHOE BEACH, FL 32648

(352) 498-0074

- NOTES:**
- 1) THESE STRUCTURAL DRAWINGS SHALL BE USED FOR THE CONSTRUCTION OF THE SHOWN STORAGE BUILDINGS. 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) THIS IS TO CERTIFY THAT THE WOOD FRAME STORAGE BUILDING AS SHOWN ON THESE DRAWINGS HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE WITH ALL REVISIONS TO CHAPTER 1609 FOR UP TO 140 MPH WIND VELOCITY. REFER TO INDIVIDUAL WINDOW & DOOR CHARTS FOR WIND PRESSURE MODIFICATION FOR ALTERNATE WIND SPEED.
  - 3) MATERIALS:  
ALL VERTICAL LUMBER TO BE NO. 2 GRADE SPF OR EQUIVALENT. ALL HORIZONTAL FLOOR FRAMING TO BE NO. 2 GRADE SYP. ALL PLYWOOD/PLYWOOD GUSSETS SHALL CONFORM TO (U) AFA PDS-04. ALL CONNECTORS/FASTENERS (SIMPSON STRONG TIE OR APPROVED EQ.) APPLICABLE CODES, TO ASSURE SUPPORT, CONTINUITY & TRANSFER OF ALL FORCES.
  - 4) ALL MATERIALS AND LABOR PER APPLICABLE LOCAL CODES.  
O.S.B. DECKING: ORIENTED STRAND BOARD AS MANUFACTURED BY LOUISIANA-PACIFIC COMPANY, PORTLAND, OR.
  - 5) DIMENSIONS LABELED BY LETTERS VARY BY MODEL AND SIZE OF BUILDING AND SHALL BE OBTAINED FROM THE PROVIDED SCHEDULES.
  - 6) NON-STRUCTURAL DETAILS AND ITEMS MAY BE CHANGED AT OWNERS DISCRETION.
  - 7) ALL FASTENERS AND CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE HOT DIP GALVANIZED (G 185) OR STAINLESS STEEL. ALL LUMBER IN CONTACT WITH THE EARTH SHALL BE PRESSURE TREATED WITH PRESERVATIVE. EXTERIOR WOOD SIDING SHALL NOT BE LESS THAN 8" FROM EXPOSED EARTH.
  - 8) ALL SITE WORK, INCLUDING BUT NOT LIMITED TO, CONCRETE/ANCHORING/ELECTRICAL CONNECTIONS, SHALL BE THE RESPONSIBILITY OF THE JURISDICTION HAVING AUTHORITY.
  - 9) ALL PRODUCTS OF COMPONENTS & CLADDING TO BE ADDRESSED AND INCLUDED ON THE DRAWINGS AND SHALL COMPLY WITH RULE 9B-72 (FAC) FOR FLORIDA PRODUCT APPROVAL.

- SIMPSON CONNECTOR NOTES:**
- 1) SIMPSON CONNECTIONS SPECIFIED ARE DESIGNED & MANUFACTURED FOR THE PURPOSES SHOWN, & SHOULD NOT BE USED W/ OTHER CONNECTORS NOT APPROVED BY THE DESIGN ENGINEER. MODIFICATIONS TO PRODUCTS OR CHANGES IN INSTALLATION PROCEDURES SHOULD NOT BE MADE WITHOUT THE APPROVAL OF THE ENGINEER. THE PERFORMANCE OF SUCH MODIFIED PRODUCTS OR ALTERED INSTALLATION PROCEDURES IS THE SOLE RESPONSIBILITY OF THE OWNER/CONTRACTOR.
  - 2) SUBSTITUTIONS FOR SIMPSON STRONG-TIE CO., INC.'S PRODUCTS SHALL BE APPROVED IN WRITING BY THE ENGINEER.  
-INSTRUCTIONS TO THE INSTALLER-
  - 1) ALL SPECIFIED FASTENERS MUST BE INSTALLED ACCORDING TO THE INSTRUCTIONS IN THE SIMPSON CATALOG. INCORRECT FASTENER QUANTITY, SIZE, TYPE, MATERIAL, OR FINISH MAY CAUSE THE CONNECTION TO FAIL.  
16d FASTENERS ARE COMMON NAILS (8 ga x 3 1/2") AND CAN NOT BE REPLACED WITH 16d SINKERS (9 ga x 3 1/4") UNLESS OTHERWISE SPECIFIED.
  - 2) BOLT HOLES SHALL BE A MINIMUM OF 1/32" AND A MAXIMUM OF 1/16" LARGER THAN THE BOLT DIAMETER (PER NDS 2005, SECTION 8.2.1.1).
  - 3) INSTALL ALL SPECIFIED FASTENERS BEFORE LOADING THE CONNECTION.
  - 4) PNEUMATIC OR POWDER-ACTUATED FASTENERS MAY DEFLECT AND INJURE THE OPERATOR OR OTHERS. NAIL GUNS MAY BE USED TO INSTALL CONNECTORS, PROVIDE THE CORRECT QUANTITY AND TYPE OF NAILS ARE PROPERLY INSTALLED IN THE NAIL HOLES. GUNS WITH NAIL HOLE-LOCATING MECHANISMS SHOULD BE USED. FOLLOW THE MANUFACTURER'S INSTRUCTIONS AND USE THE APPROPRIATE SAFETY EQUIPMENT.

**COMPONENTS & CLADDING**

COMPONENT	WIDTH (ft.)	SPAN (ft.)	ZONE	WIND PRESS. (lb./ft <sup>2</sup> )	
				MAX.	MIN.
ROOF SHEATHING	4	8	2	28.70	-35.65
ROOF SHEATHING	4	8	1	28.70	-30.08
ROOF SHEATHING	4	8	2H	23.68	-55.76
ROOF SHEATHING	4	8	3H	23.68	-52.94
ROOF SHEATHING	4	8	3	28.70	-35.65
WALL - INT. ZONE	3	8	4	31.28	-33.81
WALL - END ZONE	3	8	5	31.28	-40.30
ROOF RAFTER	4.62	14	1	27.84	-28.35
WOOD d DOORS	3	6.67	4	31.41	-34.20
DOOR 5'	5	6.67	4	30.32	-33.11
DOOR ROLL UP	8	6.67	4	29.32	-32.10
WINDOW	3	4	4	32.51	-35.29
WINDOW	3	5	4	32.03	-34.82
WINDOW	3	4	5	32.51	-43.27
WINDOW	3	5	5	32.03	-42.31

a = 3.0 FT.; 1H THROUGH 3H FOR OVERHANGS.

**WIND DESIGN:**

BASIC WIND SPEED: 140 MPH (3 SECOND GUST)  
 IMPORTANCE FACTOR: 0.77  
 EXPOSURE: C\*  
 METHOD OF DESIGN: F.B.C. 2007 1609  
 MEAN ROOF HEIGHT: 10'-9"

**BUILDING DESIGN:**

UTILITY & MISCELLANEOUS: GROUP U  
 FLORIDA MANUFACTURED BUILDING ACT OF 1979  
 NOTE: BUILDING DESIGNED AS ENCLOSED.  
 INTERNAL PRESSURE COEFFICIENT: 0.18 (ENCLOSED MAIN BUILDING)

**ROOF DESIGN:**

WOOD ROOF: LIVE: 20 PSF  
 DEAD: 8 PSF

**FLOOR DESIGN:**

WOOD FLOOR: LIVE: 60 PSF  
 DEAD: 4 PSF

\*SUITABLE FOR ALL SITES WITH EXPOSURE 'C' EXCEPT WITHIN 600 FT. OF A BODY OF WATER HAVING A FETCH OF 1 MILE OR GREATER PER FBC 1609.4.3.

- GENERAL NOTES:**
- 1) THIS COVER SHEET & ADDITIONAL ACCOMPANYING ATTACHMENT SHEETS, REPRESENT MINIMUM DESIGN REQUIREMENTS FOR CONSTRUCTION OF THE ATTACHED SEALED PLANS IN ACCORDANCE WITH THE 2007 FBC, WITH 2009 & 2ND 2009 SUPPLEMENTS, SECTION 1609. FOR WIND PRESSURES SITED ON BUILDINGS IN THE 140 M.P.H. WIND ZONE & NEC 2008.
  - 2) THE OWNER/CONTRACTOR SHALL VERIFY ALL PRODUCT AVAILABILITY, DIMENSIONS, SITE CONDITIONS AND EQUIPMENT REQUIREMENTS BEFORE COMMENCING ANY WORK. ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES & OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
  - 3) THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING & STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES & SEQUENCE TO INSURE SAFETY OF THE BUILDING & ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS.
  - 4) DESIGN LOADS: THE STRUCTURAL SYSTEM FOR THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH SECTION 1609 OF THE 2007 FLORIDA BUILDING CODE.
  - 5) ENGINEERING JOB INSPECTIONS ARE NOT PROVIDED UNLESS SPECIFICALLY ARRANGED.
  - 6) ALL SITE RELATED WORK SUCH AS, BUT NOT LIMITED TO, FOUNDATION, TIE DOWN & ELECTRICAL SERVICES SHALL BE BY OTHERS AND AS PER THE AUTHORITY HAVING JURISDICTION (A.H.J.).
  - 7) SITE ENVIRONMENTAL STUDIES, IF REQUIRED, ARE TO BE PERFORMED BY OTHERS.
  - 8) PRODUCT/MATERIAL SUBSTITUTION IS PERMITTED IF THE SUBSTITUTE IS EQUAL OR GREATER THAN THE SPECIFIED PRODUCT. TESTING DATA AND/OR VERIFICATION IS THE RESPONSIBILITY OF THE CONTRACTOR.
  - 9) ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. DO NOT SCALE THE DRAWINGS. FOLLOW WRITTEN DIMENSIONS ONLY. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE AFFECTED PART OF THE WORK.

**AGENCY APPROVAL**

These prints comply with the Florida Manufactured Building Act of 1979 Construction Codes and adhere to the following criteria:

Plan # 09-44

Const. Type V-B

Occupancy Allowable No. of Floors 1

Wind Velocity 140 C

Fire Rating of Ext. Walls 0

Floor Load 60/4

Approval Date 4/24/10

HRH inspectors

**H.R.H INSPECTORS**  
 -Plans Examiner-  
**W. David Arnold**  
 AR0013558/PX0000351  
 Plan# 09-44 Date 24 April 10


"MASTER GABLE ROOF SHED PLANS"  
 FOR  
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2007 F.B.C. W/ 2009 & 2ND 2009 SUPPLEMENTS

CHARLES A. WUNDER, JR., P.E.  
 P.O. BOX 126  
 NEWBERRY, FL 32669  
 (352) 214-3192

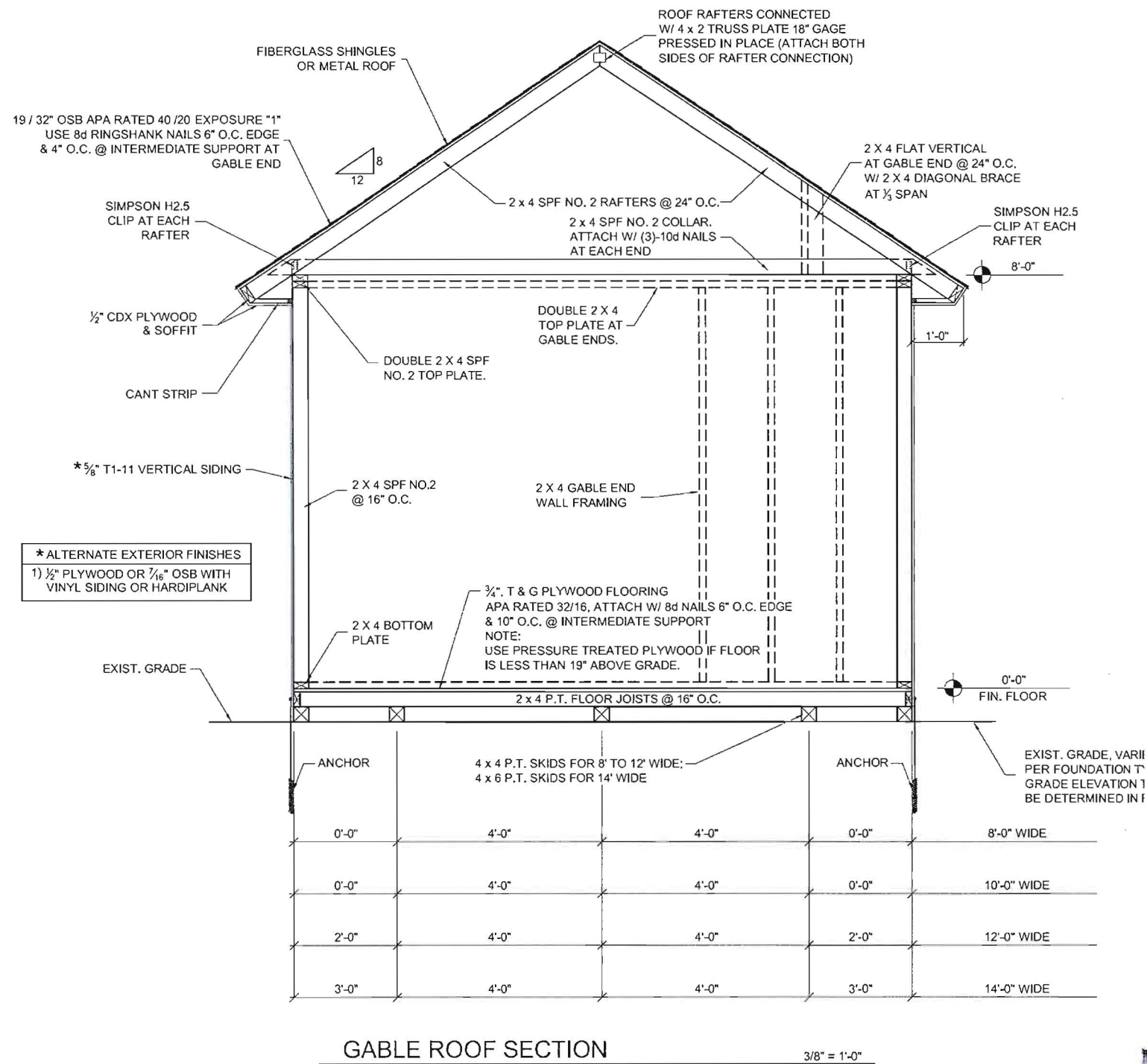
APR 25 2010

THESE PLANS COMPLY WITH FLORIDA BUILDING CODE 2007 W/ 2009 SUPPLEMENTS 1 & 2, FLORIDA FIRE PREVENTION CODE 2007 NFPA 70, NEC-08.

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DRAWN	
NW	
CHECKED	
DATE	07-17-09
SCALE	
NOTED	
JOB NO.	E-05409
SHEET	1
OF	5 SHEETS





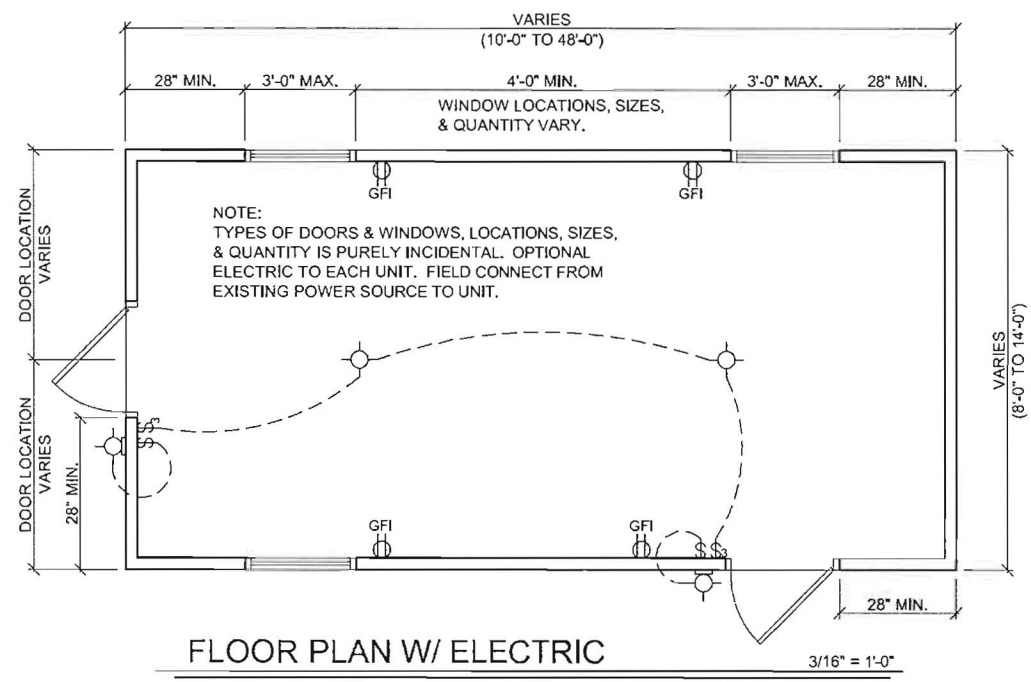
**WINDOW SCHEDULE:**

WINDOW	MANUFACTURER	MODEL OR SERIES	APPLIED PRESSURE	DESIGN PRESSURE	FLORIDA PRODUCT APPROVAL #
3040 SH	PGT	4000	+32.51, -35.29	+56.7, -90.0	FL 239.4
3050 SH	PGT	4000	+32.03, -34.82	+56.7, -72.8	FL 239.4

**DOOR SCHEDULE:**

DOOR	MANUFACTURER	MODEL OR SERIES	APPLIED PRESSURE	DESIGN PRESSURE	FLORIDA PRODUCT APPROVAL #
3068	THERMATRU	CONSTRUCTION	+30.0, -32.7	+67, -67	FL 5262.2

NOTE:  
 OWNER/CONTRACTOR HAS OPTION TO SUBSTITUTE & USE WINDOWS & DOORS NOT LISTED IN SCHEDULE. ALTERNATE WINDOWS & DOORS MUST MEET MINIMUM APPLIED PRESSURES AS LISTED IN SCHEDULE.



- ELECTRICAL SYMBOL LEGEND**
- ⊕ OUTLET 110 VOLT
  - ⊕ OUTLET HALF HOT
  - ⊕ OUTLET GROUND FAULT INTERRUPT
  - ⊕ OUTLET GFI WEATHER PROTECTED
  - ⊕ SWITCH SINGLE POLE
  - ⊕ SWITCH 3 POLE
  - ⊕ FAN W/ LIGHT KIT
  - ⊕ CEILING LIGHT
  - ⊕ WALL LIGHT
  - ⊕ FLOOD LIGHT

ALL ELECTRIC WORK TO BE IN ACCORDANCE W/ NEC 2008.

NOTE:  
 LENGTH TO WIDTH RATIO OF BUILDING SHALL NOT EXCEED 1:4.

**APPROVED**  
**MUR-1300**  
**FL. DCA**  
**HRH**  
**INSPECTORS**

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**2007 F.B.C. W/ 2009 & 2ND 2009 SUPPLEMENTS**

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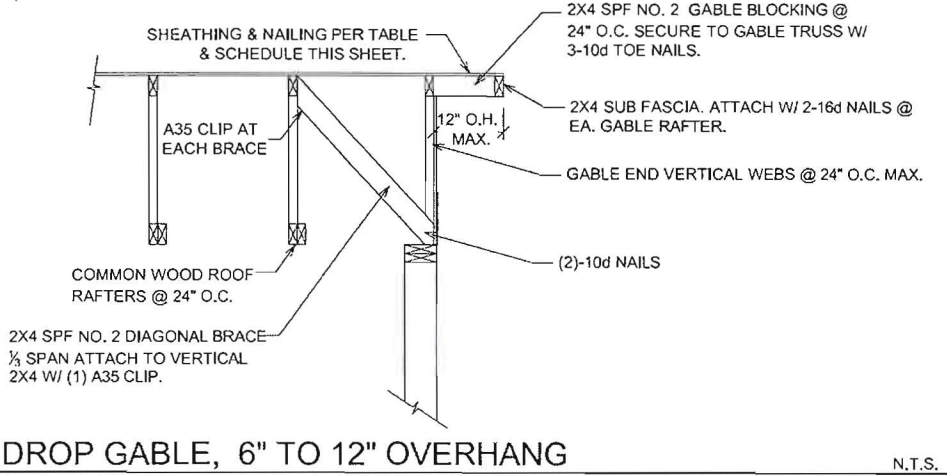
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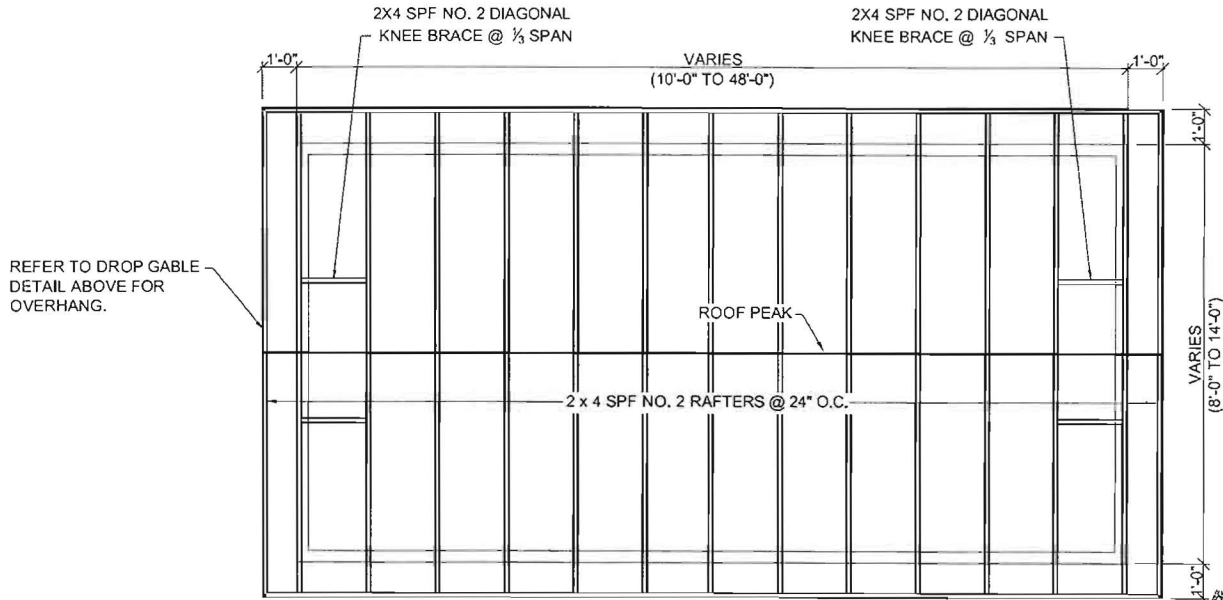
REVISION	BY

ROOF SHEATHING FASTENING NOTES:	
NAILING:	
ZONES 1 & 2:	USE 8d RINGSHANK NAILS 6" O.C. EDGE & INTERMEDIATE.
ZONES 3:	USE 8d RINGSHANK NAILS 4" O.C. EDGE & INTERMEDIATE.

ROOF COVERAGE:	
SHINGLE	SHINGLES SHALL COMPLY WITH ASTM D 7158 CLASS H OR D 3161 CLASS F OR TAS 107 FOR WIND ZONES 130 MPH OR GREATER.
SHEATHING REQUIREMENTS:	
SHINGLE OR METAL ROOF	PLYWOOD SHEATHING 15/32" C-D GROUP 2, EXP. 1 APA RATED - 32/16 OR OSB SHEATHING 19/32 APA 40/20 EXPOSURE 1.
NOTES:	
1) PLYWOOD TO BE PERPENDICULAR TO FRAMING. END JOINTS SHALL BE STAGGERED.	
2) CONTRACTOR SHALL INSTALL PLYWOOD USING ALUMINUM PLYWOOD CLIPS WITH BUILT-IN SPACERS.	
3) UNDERLAMENT FOR SHINGLES SHALL CONFORM TO: ASTM D 226, TYPE I OR II, ASTM D 2626 TYPE I OR II, OR ASTM D 6757.	
4) UNDERLAYMENT & FASTENERS FOR METAL ROOFING SHALL COMPLY WITH MANUFACTURERS APPROVED SPECIFICATIONS.	



**DROP GABLE, 6" TO 12" OVERHANG** N.T.S.



**GABLE ROOF PLAN** 3/16" = 1'-0"  
COLLARS NOT SHOWN FOR CLARITY

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REVISIONS	BY

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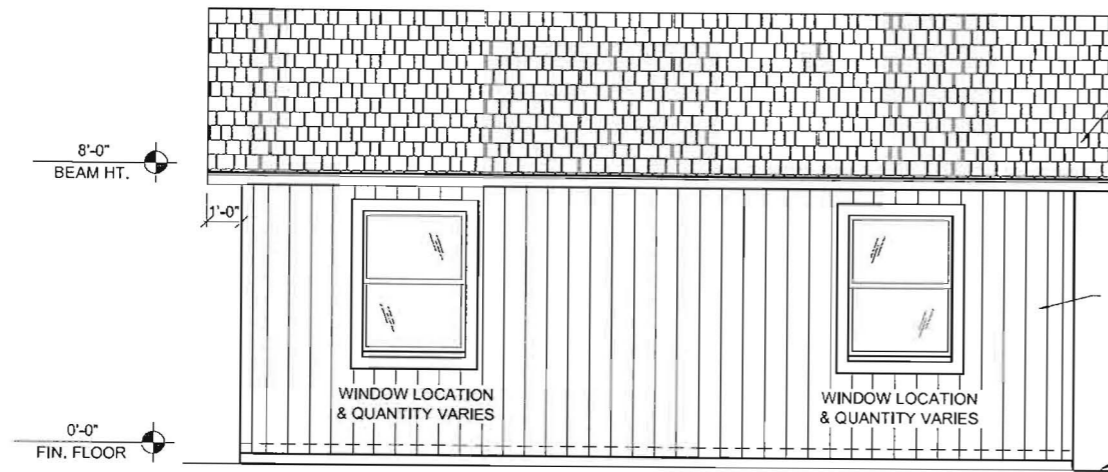
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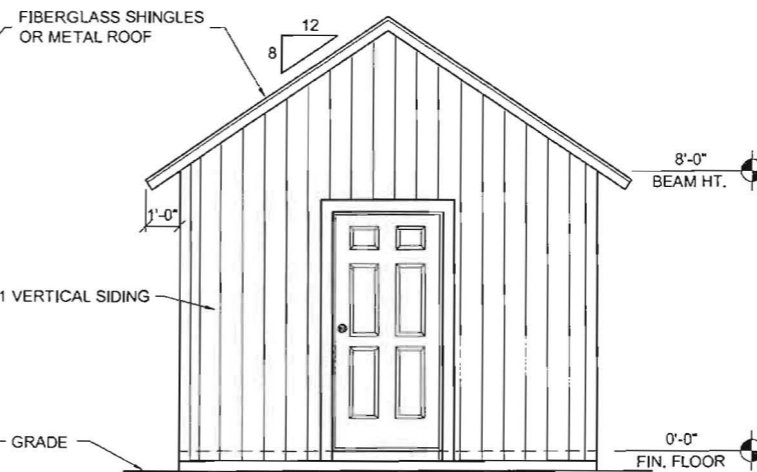
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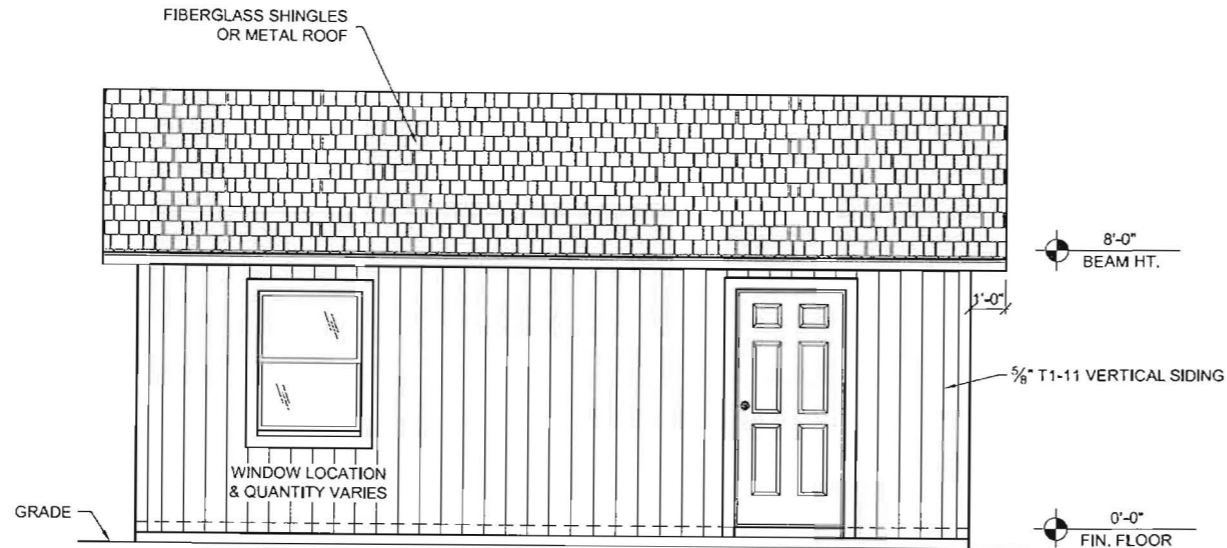
DOOR SCHEDULE  
 SINGLE WOOD DOOR - 3'-0"  
 STEEL 9-LIGHT ENTRY DOOR - 3'-0"  
 MOBILE HOME STYLE FOAM CORE DOOR - 3'-0" TO 4'-0"  
 STANDARD DOUBLE WOOD DOOR WIDTH - 5'-0"  
 STANDARD ROLL-UP GARAGE DOOR - 8'-0"



GABLE ROOF SIDE ELEVATION 3/16" = 1'-0"



GABLE ROOF FRONT ELEVATION 3/16" = 1'-0"



GABLE ROOF SIDE ELEVATION 3/16" = 1'-0"

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