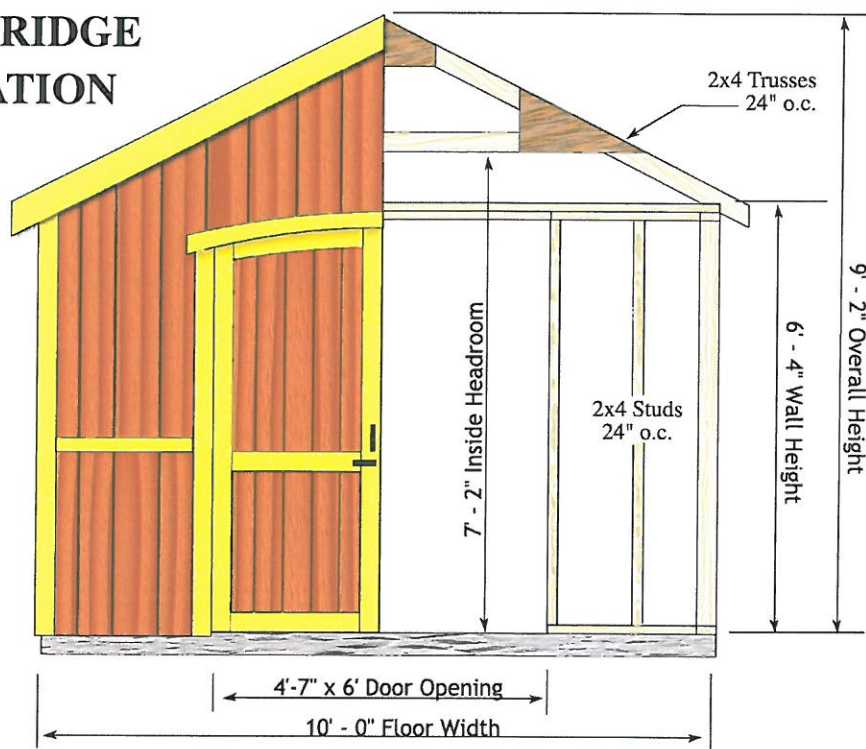




Before you order our kit or begin construction, obtain a building permit. If additional documents are required contact Richard@barnkits.com.

CAMBRIDGE ELEVATION



Foundation Size

10'x12' Building	10' - 0" x 12' - 0"
10'x16' Building	10' - 0" x 16' - 0"
10'x20' Building	10' - 0" x 20' - 0"

Wall Framing: Constructed from 2x4 pre-cut wall studs spaced 24" on center between top, bottom and tie plates.

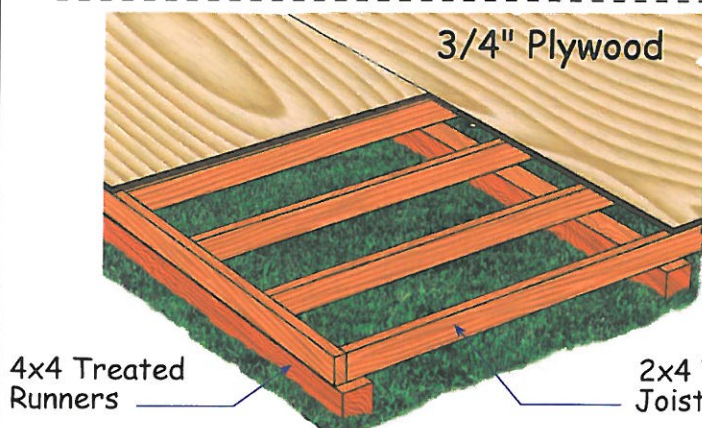
Pocket Doors: Pre-built 2x4 frame covered with LP 'Smart Panel' primed siding. White pine trim, *not painted*, installed over siding.

Siding: Louisiana-Pacific 'Smart Panel' primed 8" o.c. groove with 50 year warranty, 5 year labor replacement

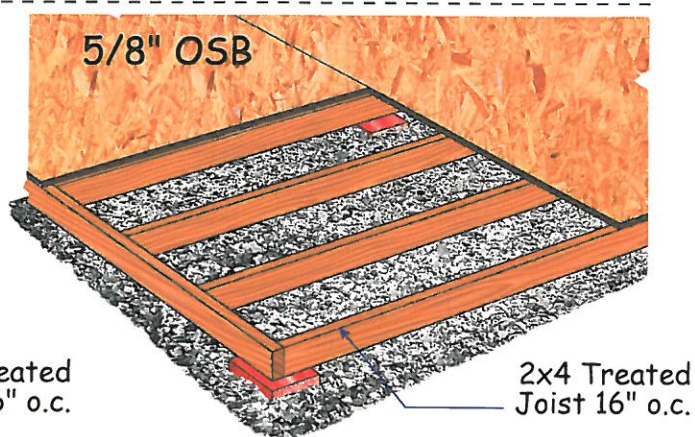
Roof System: 2x4 trusses spaced 24" on center, (40 psf ground snow load, 90 mph wind load). 7/16" OSB roof sheathing. *Shingles by owner.*

Exterior Trim: White pine trim for corners, door, gable trim and front and sidewall fascia.

Hardware: Nails for all framing, metal hurricane hangers for trusses. Heavy duty aluminum track, decorative door handles and lockable door latch.

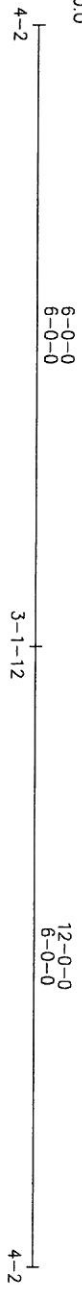


Deluxe Floor: 4x4 treated runners can be installed directly on the grass. The runners elevate the floor providing air flow under the floor eliminating moisture. 8' and 10' wide floors have three runners, 12' wide floor have four. The floor covering is 3/4" plywood.



Standard Floor: This floor system is best installed over an existing foundation, cement slab, blacktop or gravel base. Bricks or patio stones can be used to level the 2x4 frame. The floor covering is 5/8" OSB (oriented strand board).

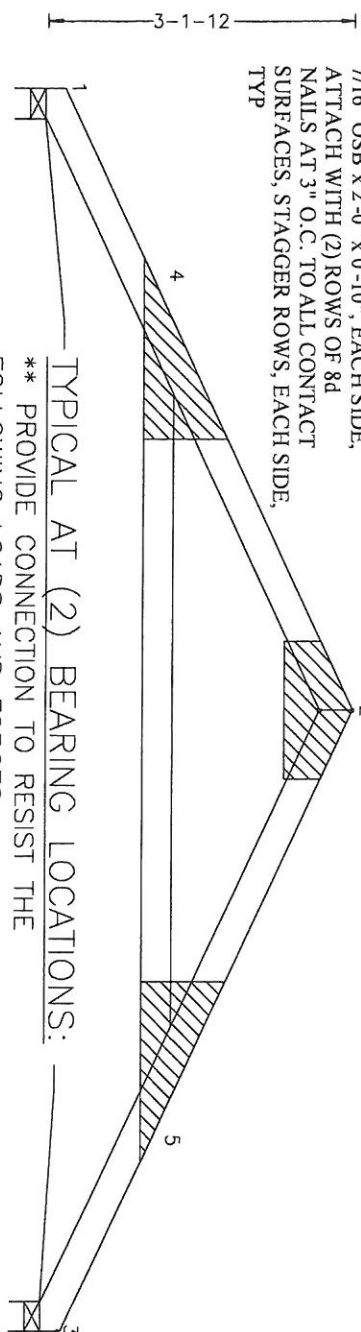
MBR	LEN	FORCE	MBR	LEN	FORCE
1-2	6.63	-1573	4-5	7.37	980
2-3	6.63	-1573			
JT	REACT	ACT BRG	REQ BRG	CANT	
1P	740	3.50"	1.50"		
1R	-260U				
3R	740	3.50"	1.50"		
3	-260U				



IF TRUSSES ARE PLACED @ 16"OC, THE SNOW LOAD CAN BE INCREASED TO 60 PSF

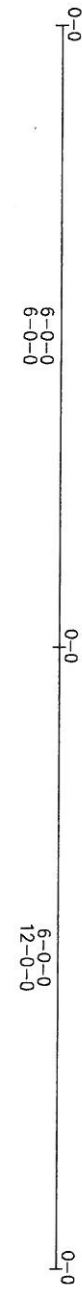
7/16" OSB x 1'-8" x 0'-8", EACH SIDE, ATTACH WITH (2) ROWS OF 8d NAILS AT 3" O.C. TO ALL CONTACT SURFACES, STAGGER ROWS, EACH SIDE

7/16" OSB x 2'-0" x 0'-10", EACH SIDE, ATTACH WITH (2) ROWS OF 8d NAILS AT 3" O.C. TO ALL CONTACT SURFACES, STAGGER ROWS, EACH SIDE, TYP



TYPICAL AT (2) BEARING LOCATIONS:
 ** PROVIDE CONNECTION TO RESIST THE FOLLOWING LOADS AND FORCES:
 VERTICAL REACTION - 740 lb
 VERTICAL UPLIFT - 260 lb
 HORIZONTAL THRUST - 1,400 lb

UNIQUE BEARING CONDITIONS AT JOINTS 1 & 3 REQUIRE SPECIAL ATTENTION
 THE BUILDING DESIGNER MUST ACCOUNT FOR NOT ONLY THE BEARING REACTION BUT FOR THE HORIZONTAL THRUST AND THE UPLIFT. PROVIDE MECHANICAL CONNECTION (BY OTHERS) TO RESIST SAID FORCES SHOWN HEREON.



Reynolds Bldg. Systems 205 Arlington Dr. Greenville, PA 16125 Phone 800-245-1577 Fax 724-646-0772		A copy of this design shall be furnished to the erection contractor. This design is for informational purposes only and does not constitute a contract. The erection contractor shall be responsible for obtaining all necessary permits and for ensuring that the design is followed as shown. No responsibility is assumed for the accuracy of information provided by the manufacturer or for the building designer's review of the design. The building designer shall review the design and truss configuration to ensure that this design meets or exceeds minimum loading required by applicable local building codes. Compression members shall be laterally braced by the roof or floor sheathing, directly attached to the truss. Bracing shown is for lateral support of individual truss members to reduce buckling length. It is not wind or lateral load bracing or overall building design bracing which is by others. Refer to BCS1 P-03 (TP) for recommended truss handling and erection. Do not apply loads beyond recommended truss handling and erection.	
weight of erectors until all permanent bracing is in place. Concentration of compression loads shall not be applied to the trusses at any time. Trusses shall be handled and loaded in accordance with the manufacturer's instructions. Lumber moisture content shall be 19% or less at the time of fabrication unless noted otherwise (U.N.O.). Connector plates shall be manufactured by Eagle Metal Products (ICC-ES ESR-1082) from 20, 18, or 16 ga ASTM A653 SQ grade 40 steel with G60 (min.) coating. Plates shall be applied on both faces of truss at each joint. Plate dimensions are listed within x length. Slots (holes) in plate shall run parallel to the plate length. Slots in plate shall be oriented as shown on the drawing. The design of the truss is based on the current version of the design. The design of the truss is based on the current version of the design. The design of the truss is based on the current version of the design.		DESIGN CRITERIA - ANSI/TPI 1-2002 SPACING: 24.0 IN O/C REP BEND PLATE: EAGLE METAL PRODUCTS-95 PLATE DUR INC=1.15 WIND LOAD: ASCE7-02 90MPH EXP-B 15' DESIGN LOADINGS LOAD CASE 1 TOP LL TOP DL BOT LL BOT DL INC 40.0 7.0 .0 .0 1.15 LOAD CASE 2 WIND LOAD: ASCE7-02 90MPH EXP- TOP LL TOP DL BOT LL BOT DL INC 40.0 4.2 .0 1.33 SECTION DIR LVE DEAD 1-2 Norm -20.9 4.2 2-3 Norm -20.9 4.2 LOAD CASE 3 WIND LOAD: ASCE7-02 90MPH EXP- TOP LL TOP DL BOT LL BOT DL INC 40.0 4.2 .0 1.33 SECTION DIR LVE DEAD 1-2 Norm -20.9 4.2 2-3 Norm -20.9 4.2 LUMBER SOLUTION TOP 2X4 SPF-#2 .52 TOP PANEL 1-2 CSI= .52 COLLAR 2X4 SPF-#2 BOT PANEL 4-1 CSI= .40 DEFLECTION LIVE LOAD DEF @ PANEL 4 = .032" L/DEF=999 L=144.0 REC CMR= .15" TOTAL LOAD HOR DEF = .006" MAX DEF:LL= .032" DL= .031" TL= .033"	
Job ID: JRENOUDS/R1 Qty 1 DATE: 12/12/06 SHEET 1 of 1 SPAN: 12 - 0 - 0 KEYMARK ENGINEERING BOULDER-COLORADO-80301 KESmort 3.202 SCALE= 17/32.1"		12-13-2006 STATE OF MICHIGAN ARTURO A. HERNANDEZ ENGINEER No. 52992 LICENSED PROFESSIONAL ENGINEER	