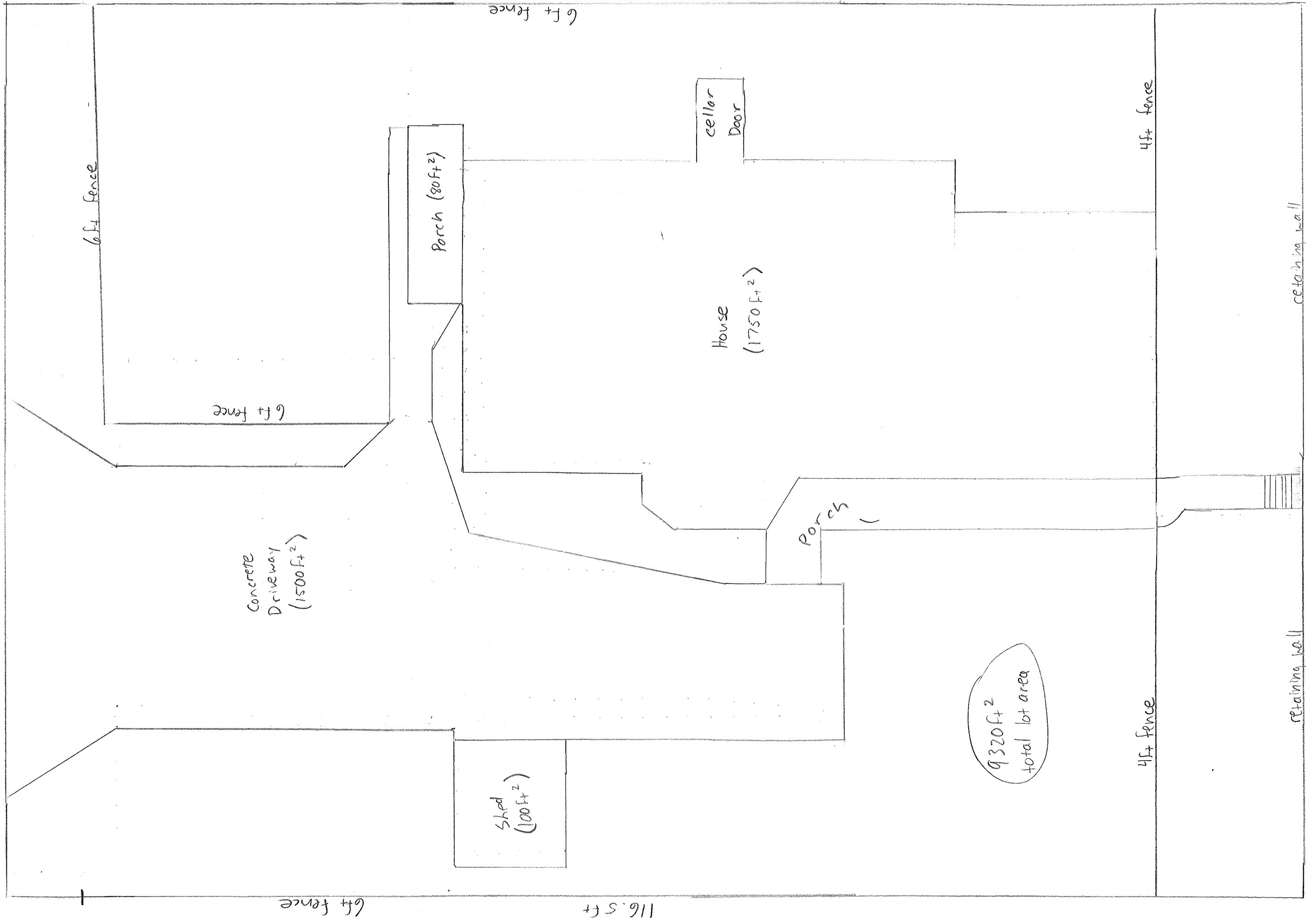


Existing Layout (1 square = 4ft²)

Alley



9320ft²
total lot area

6ft fence

116.5ft

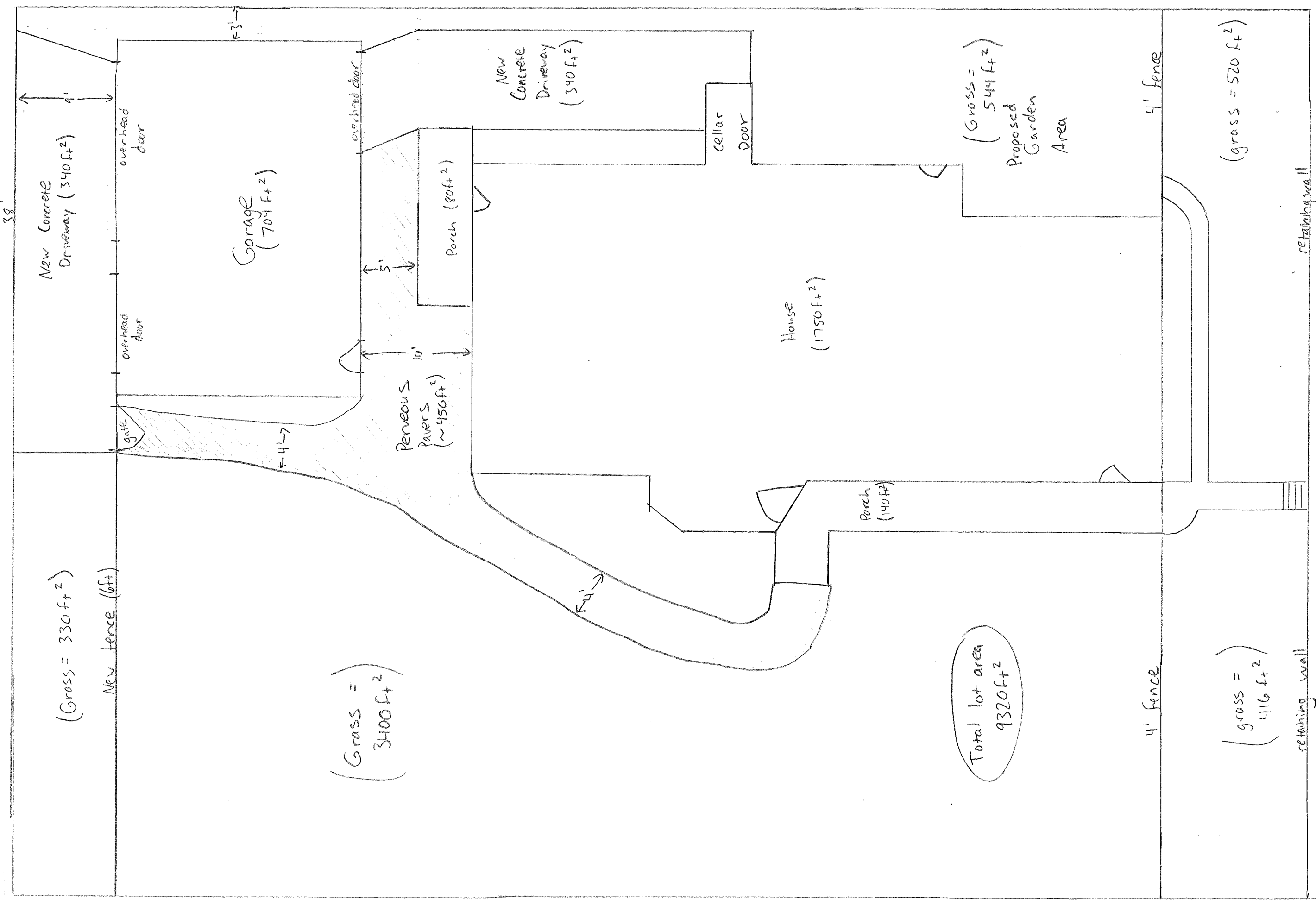
side walk

(grass)

Atwood Ave

Proposed Site Layout (1 square = 4ft²)

Alley



Sidewalk

(grass)

Atwood Ave

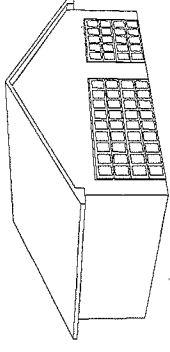
Items Selected:

- Gable roof w/ 5/12 pitch, standard trusses 2' O.C.
- Truss Design Location Zip Code: 53704
- 2x4 Wall Framing Material
- 32' Wide X 22' Deep X 9' High
- Vinyl Dbl 3.5" Lap Siding
- White
- 7/16" OSB Wall Sheathing
- Nova Wrap
- 12" gable/24" eave overhangs
- 1/2" OSB Roof Sheathing
- Duration, Driftwood Shingles
- 4' Shingleover Ridge Vent
- White Aluminum Soffit & Fascia
- White Premium Roof Edge
- 1 - Garage Door Opener
- White Vinyl Overhead Door Jamb

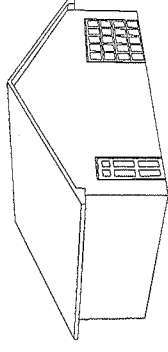
Options Selected:

- The options you have selected are:
- 30 LB Roof Felt
- 2 Rows Granular Ice & Water Barrier
- R-13 Faced Roll Wall Insulation
- 1/2" 4'x8' Gypsum Wall Liner Panel
- R-38 Faced Batt Ceiling Insulation
- 5/8" 4'x8' Gypsum Ceiling Liner Panel
- 1 - 36'x80 Service Door - CM1 6-Panel Steel RS
- 2 - 9'x7 Overhead Door - Insulated RP Brown
- 1 - 16'x7 Overhead Door - Insulated RP

Front View



Back View



Estimated base price: \$4,240.94*

The base price includes: 0" Eave/0" Gable Overhangs, Framing Materials, 7/16 OSB Roof Sheathing, 20 yr. Fiberglass Classic - Onyx Black Shingles, Pine Fascia, Galvanized Regular Roof Edge, 8" Textured Vertical Hardboard Siding, No Service Doors, No Overhead Doors, No Windows, or Any Other Options.

Estimated price: \$9,047.54*

*Today's estimated price, future pricing may go up or down.

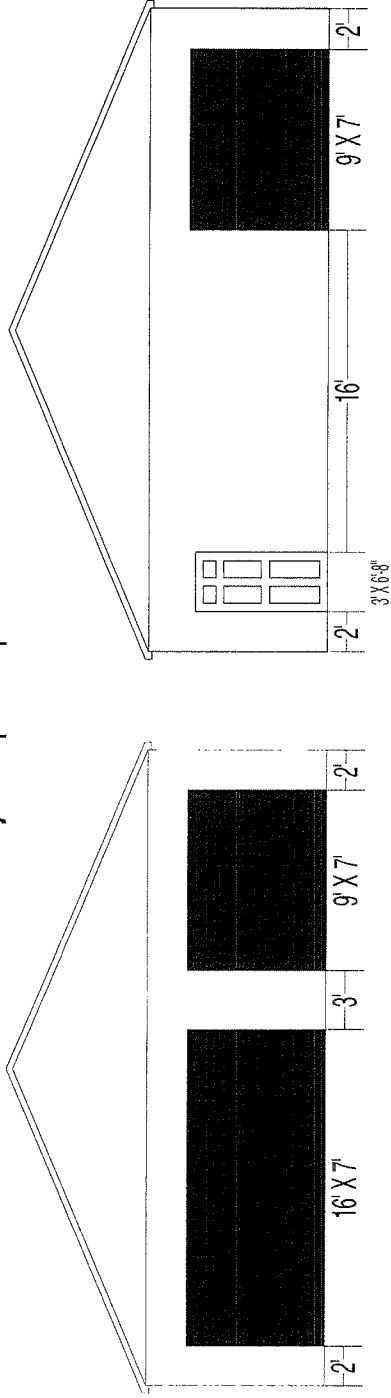
*Tax, labor, and delivery not included.

***** Take this sheet to the Building Materials counter to purchase your materials. *****

†Floor type (concrete, dirt, gravel) is NOT included in estimated price. The floor type is used in the calculation of materials needed. Labor, foundation, steel beams, paint, electrical, plumbing, and delivery are also NOT included in estimated price. This is an estimate. It is only for general price information. The prices stated on this form are not limited to quantity, dimension and quality. ‡Please examine this estimate carefully. MENARDS MAKES NO REPRESENTATIONS, ORAL, WRITTEN OR OTHERWISE THAT THE MATERIALS LISTED ARE SUITABLE FOR ANY PURPOSE BEING CONSIDERED BY THE GUEST. ††† BECAUSE OF THE WIDE VARIATIONS IN CODES, THERE ARE NO REPRESENTATIONS THAT THE MATERIALS LISTED HEREIN MEET YOUR CODE REQUIREMENTS. THE PLANS AND/OR DESIGNS PROVIDED ARE NOT ENGINEERED. LOCAL CODE OR ZONING REGULATIONS MAY REQUIRE SUCH STRUCTURES TO BE PROFESSIONALLY ENGINEERED AND CERTIFIED PRIOR TO CONSTRUCTION.

*** Here are the wall configurations for your design.

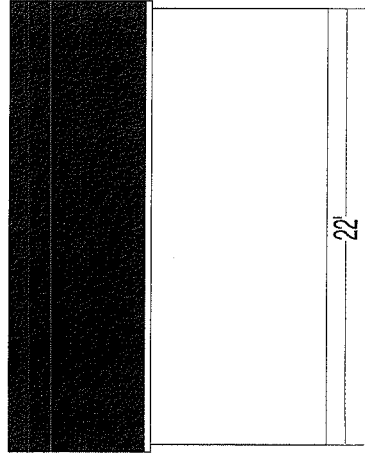
Illustration May Not Depict All Options Selected



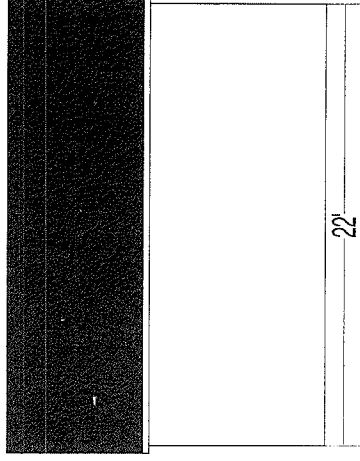
Gable Front View

- (1) - M4SV 16X7 EZ-SET BROWN M4SV INSUL
- (1) - M4SV 9X7 EZ-SET BROWN M4SV INSUL

- (1) - CM-1 6-PANEL STEEL DOOR 36X80 RH LPH
- (1) - M4SV 9X7 EZ-SET BROWN M4SV INSUL



Eave Front View



Eave Back View

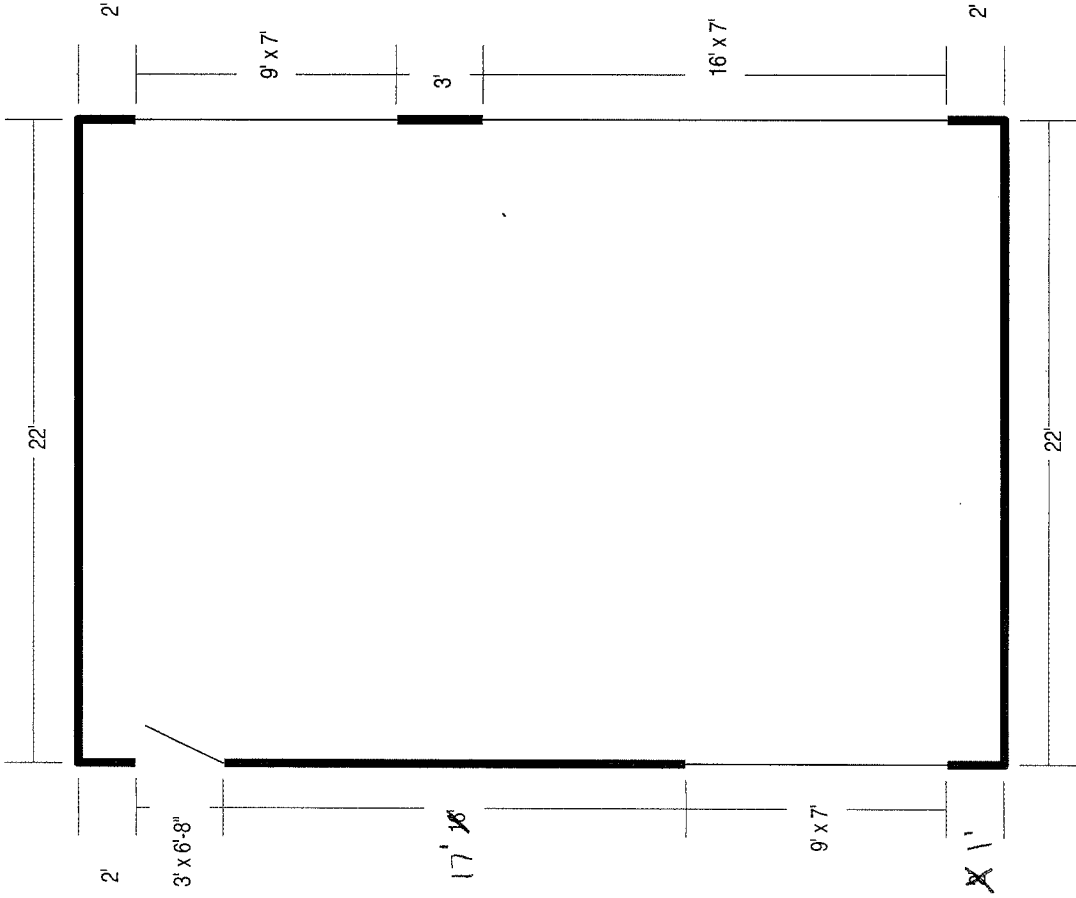
Building Size: 32 feet wide X 22 feet long X 9 feet high

Approximate Peak Height: 16 feet 1 inches (193 inches)

Menards provided material estimates are intended as a general construction aid and have been calculated using typical construction methods. Because of the wide variable in codes and site restrictions, all final plans and material lists must be verified with your local zoning office, architect and/or builder for building design and code compliance. Menards is a supplier of construction materials and does not assume liability for design, engineering or the completeness of any material lists provided. Underground electrical, phone and gas lines should be located and marked before your building plans are finalized. Remember to use safety equipment including dust masks and sight and hearing protection during construction to ensure a positive building experience.



Illustration May Not Depict All Options Selected



Building Size: 32 feet wide X 22 feet long X 9 feet high

Note: Wall construction is 2x4 @ 16" on center

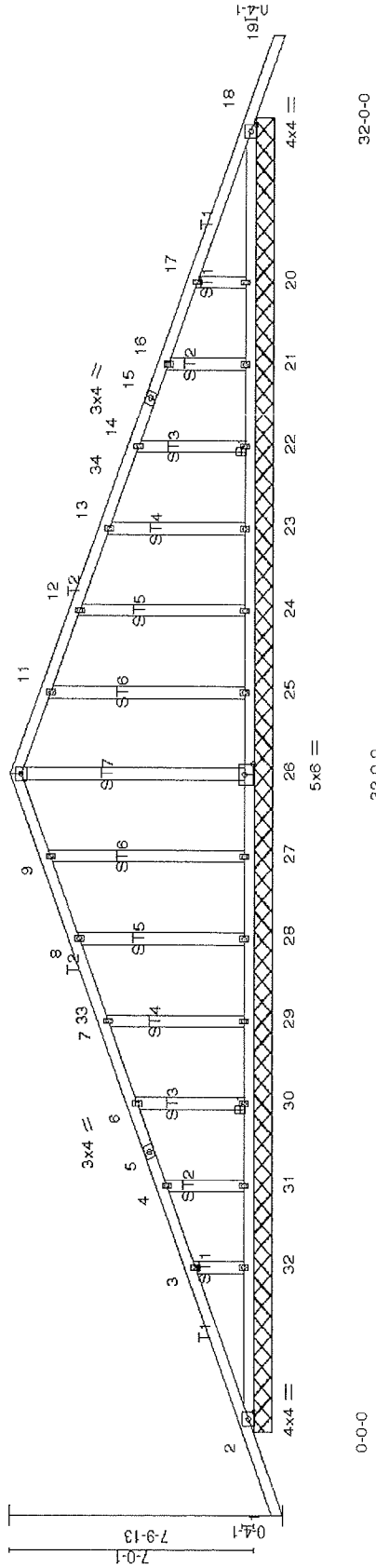
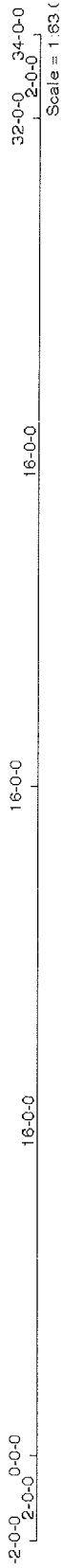


Plate Offsets (X, Y): [26:0-3:0-0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	Plates Increase 2-0-0	TC 0.35	Vert(LL) -0.04	19	n/r	120	MT20	197/144
BCDL 7.0	Lumber Increase 1.15	BC 0.14	Vert(TL) -0.04	19	n/r	90		
BCLL 0.0	Rep Stress Incr YES	WB 0.17	Horz(TL) 0.01	18	n/a	n/a		
BCDL 10.0	Code IRC2006/TP12002	(Matrix)						

LUMBER
 TC 2 X 4 SPF No.2
 BC 2 X 4 SPF No.2
 OTHERS 2 X 4 SPF Stud

REACTIONS All bearings 32-0-0.
 (lb) - Max Horz 2=-84(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 18, 27, 28, 29, 30, 31,
 32, 25, 24, 23, 22, 21, 20
 Max Grav All reactions 250 lb or less at joint(s) 30, 31, 22, 21 except
 2=356(LC 2), 18=356(LC 2), 26=259(LC 2), 27=351(LC 3), 28=354(LC
 3), 29=277(LC 3), 32=302(LC 14), 25=351(LC 4), 24=354(LC 4),
 23=277(LC 4), 20=302(LC 15)

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.

Weight: 137 lb

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

NOTES (15)
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-05; 90mph; h=25ft; TC DL=4.2psf; BC DL=6.0psf; Category 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; Lumber DOL=1.33 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MITTEK "Standard Gable End Detail"
 4) T CLL: ASCE 7-05; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=42.9 psf (ground snow); Ps=29.7 psf (roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.1
 5) Roof design snow load has been reduced to account for slope.
 6) Unbalanced snow loads have been considered for this design.
 7) Minimum on bark:

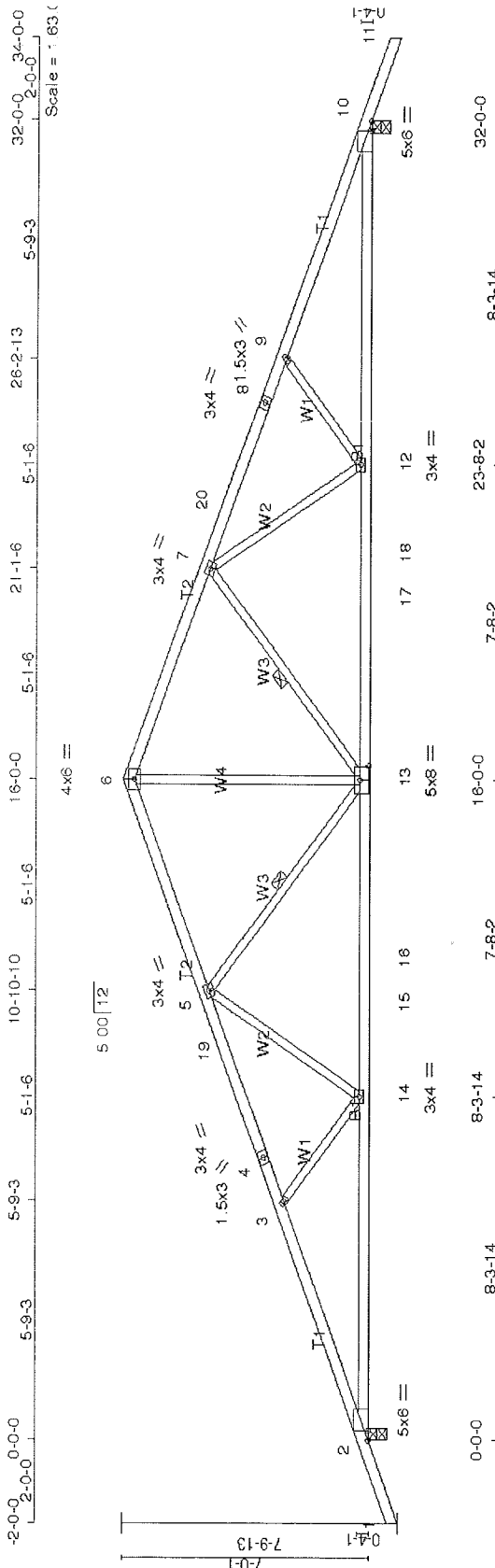


NOTES (15)

- 7) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 29.7 psf on overhangs non-concurrent with other live loads.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) All plates are 1.5x3 MT20 unless otherwise indicated.
- 10) Gable requires continuous bottom chord bearing.
- 11) Gable studs spaced at 2-0-0 oc.
- 12) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 18, 27, 28, 29, 30, 31, 32, 25, 24, 23, 22, 21, 20.
- 14) This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSIT/TP1 1.
- 15)

LOAD CASE(S) Standard





LOADING (psf)		SPACING		CSI		DEFL		PLATES		GRIP	
TC/LL	30.0	Plates Increase	2-0-0	TC	0.45	in (loc)	I/defl	MT20	197/144		
TC/DL	7.0	Lumber Increase	1.15	BC	0.84	Vert(LL)	>999				
BC/LL	0.0	Rep Stress Incr	YES	WB	0.70	Vert(TL)	>734				
BC/DL	10.0	Code	IRC2006/TPI2002	(Matrix)		Horz(TL)	0.16				
LUMBER											
TC 2 X 4 SPF No.2											
BC 2 X 4 SPF No.2											
WB 2 X 3 SPF Stud											
REACTIONS (lb/size) 2=1681/0-3-8, 10=1681/0-3-8											
Max Horiz 2=-84(LC 10)											
Max Uplift 2=-199(LC 9), 10=-199(LC 10)											
Max Grav 2=1692(LC 2), 10=1692(LC 2)											
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.											
TOP CHORD											
2-3=-3251/447, 3-4=-2933/388, 4-19=-2857/392, 5-19=-2798/401,											
5-6=-2080/354, 6-7=-2080/354, 7-20=-2798/401, 8-20=-2857/392,											
8-9=-2983/388, 9-10=-3251/447											
BOT CHORD											
2-14=-312/2910, 14-15=-207/2395, 15-16=-207/2395, 13-16=-207/2395,											
13-17=-207/2395, 17-18=-207/2395, 12-18=-207/2395, 10-12=-312/2910											
WEBS											
3-14=-371/147, 5-14=0/503, 5-13=-889/165, 6-13=-136/1154, 7-13=-889/165,											
7-12=0/503, 9-12=-371/147											
NOTES											
1) Unbalanced roof live loads have been considered for this design.											
2) Wind: ASCE 7-05; 90mph; h=25ft; TC/DL=4.2psf; BC/DL=6.0psf; Category 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; Lumber DOL=1.33 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.											
3) TC/LL: ASCE 7-05; Pr=30.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=42.9 psf (ground snow); Ps=29.7 psf (roof snow); Lumber DOL=1.15 Plate DOL=1.15; Category II; Exp B; Fully Exp.; Ct=1.1											
4) Roof design snow load has been reduced to account for slope.											
Continued on page 4											





NOTES

- 5) Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 29.7 psf on overhangs non-concurrent with other live loads.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 9) One RT7 USP connectors recommended to connect truss to bearing walls due to uplift at jt(s) 2 and 10.
- 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.

LOAD CASE(S) Standard