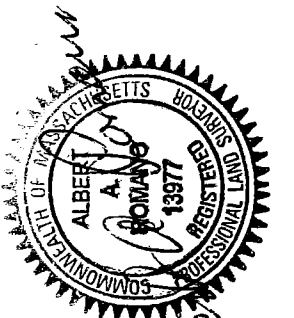
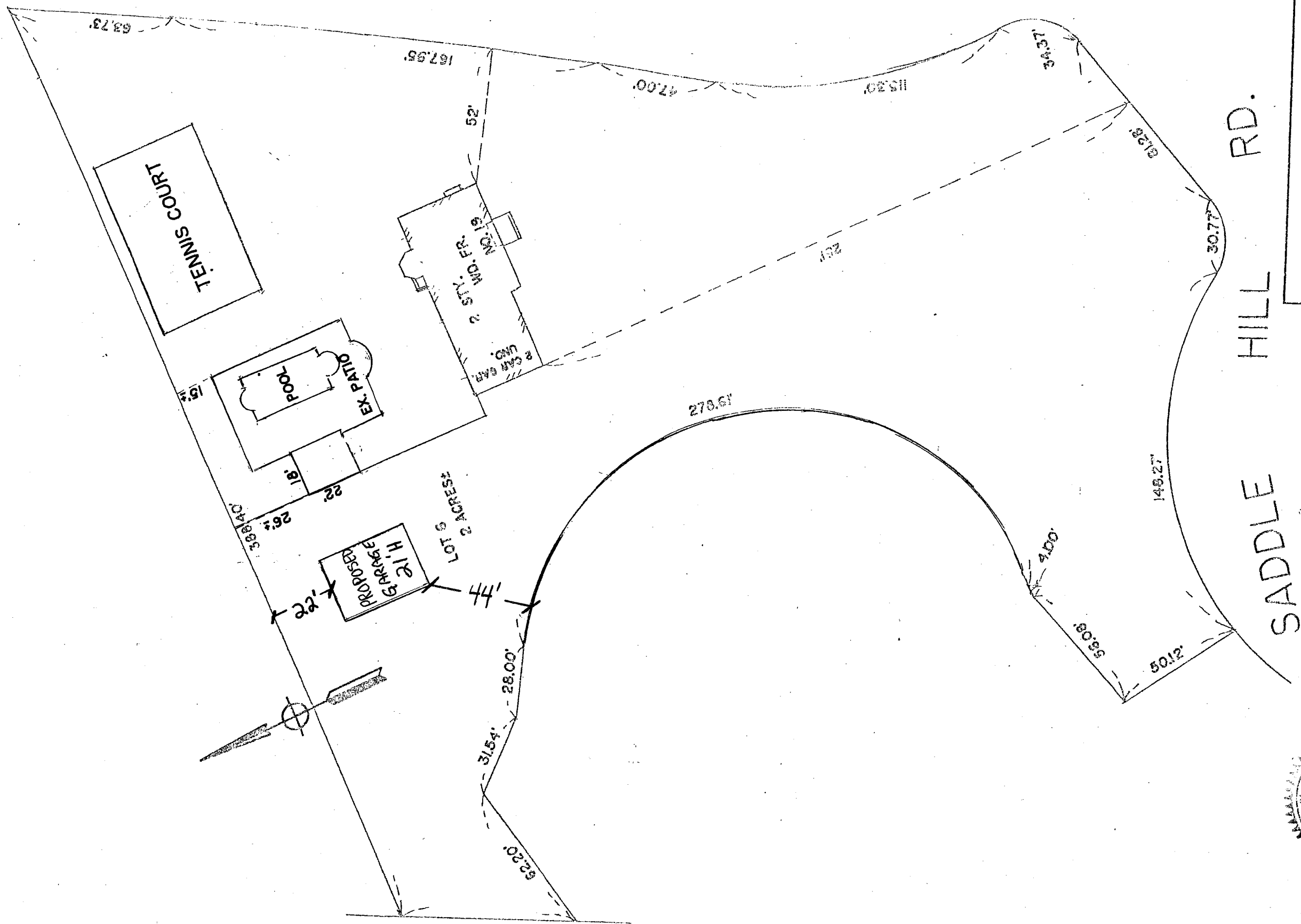
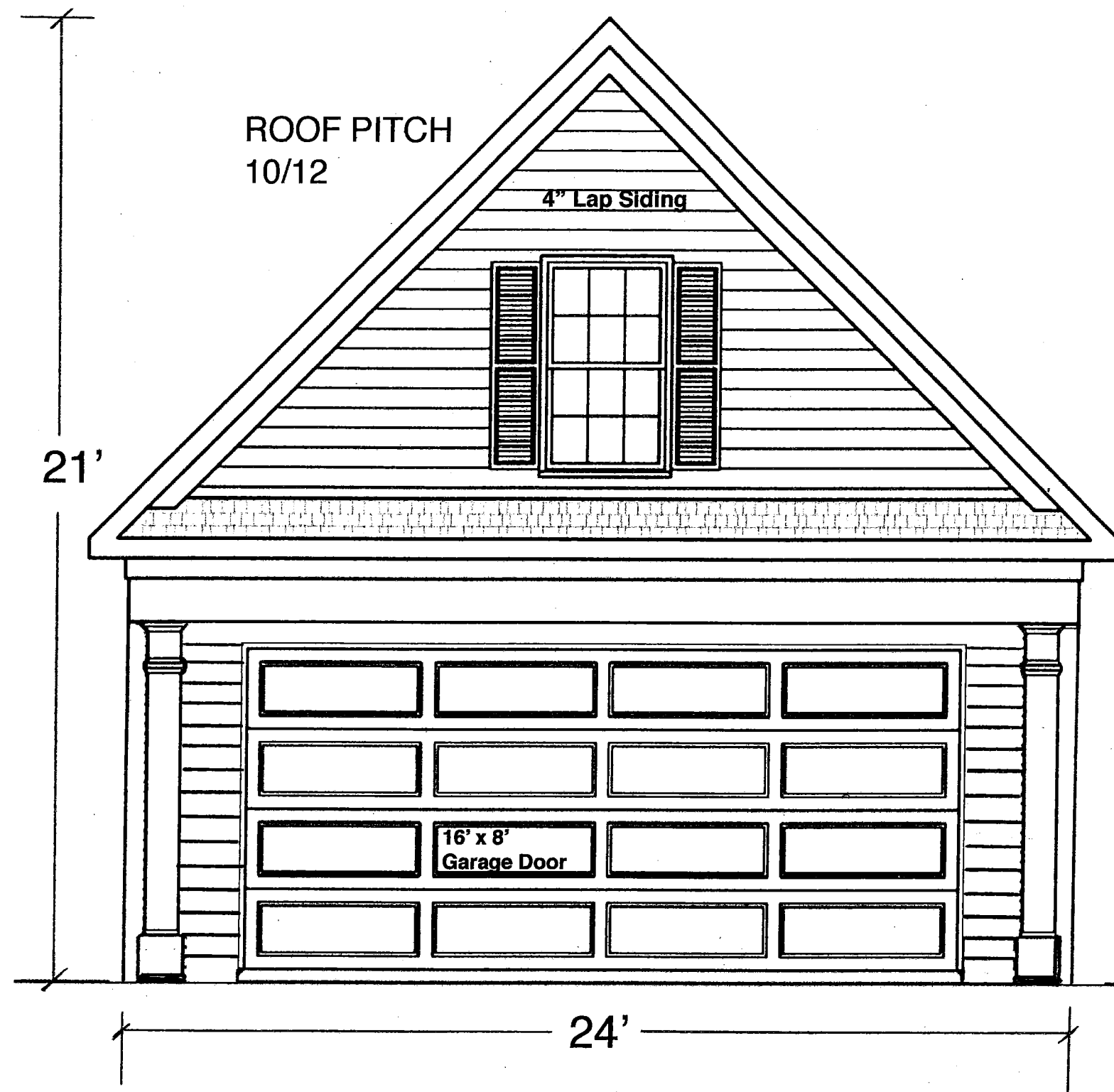


GLORAL ASSOCIATES

Registered Land Surveyor Registered Professional Engineer
9 Broadway Wakefield, MA 01880 T:(781)246-9345 Fax:(781)246-4333



Plot Plan
In
BOXFORD, MA
Owner
STEVEN TABACCO
Scale 1" = 40'
Date 4-15-09



ROOF PITCH
10/12

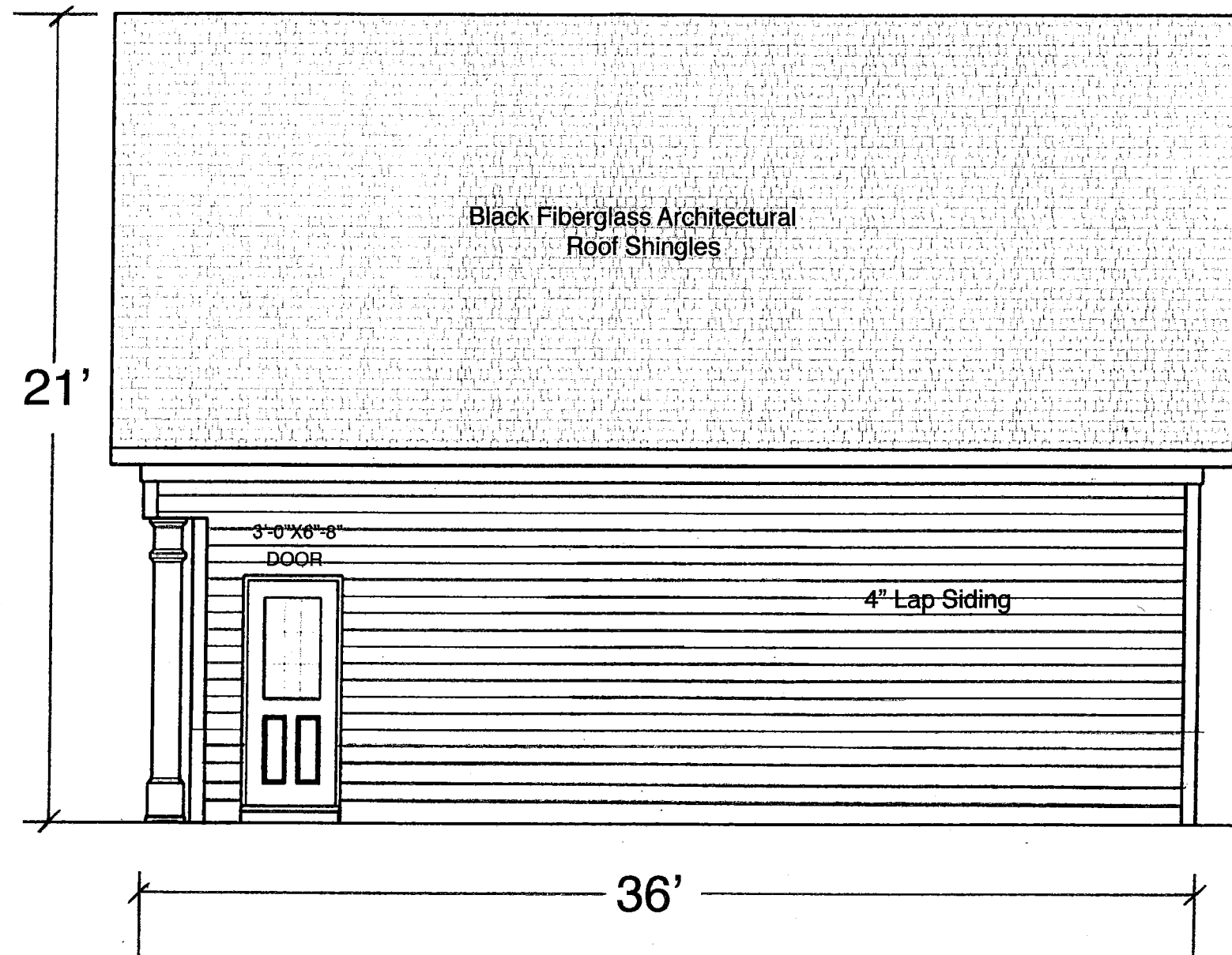
4" Lap Siding

21'

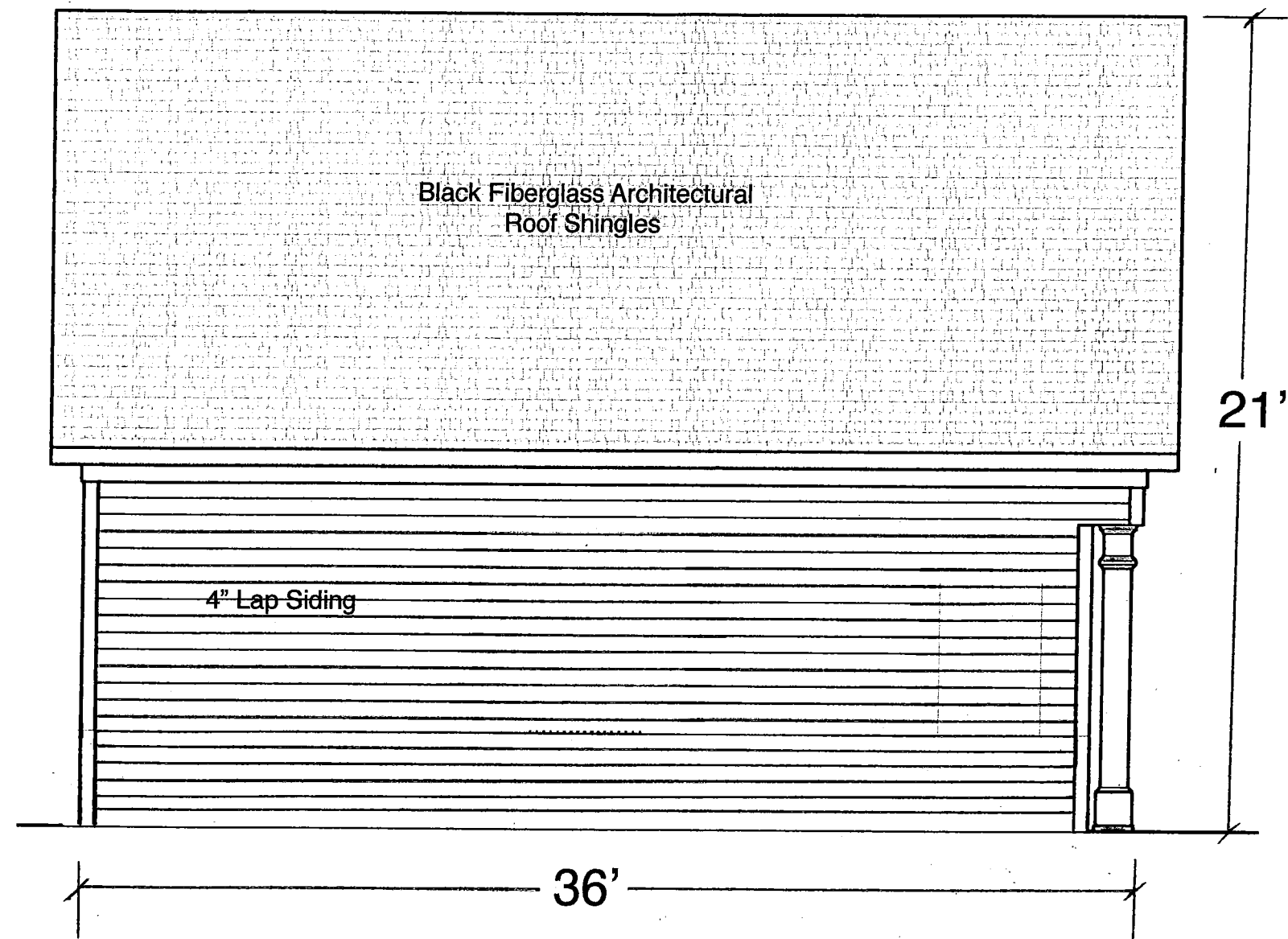
16' x 8'
Garage Door

24'

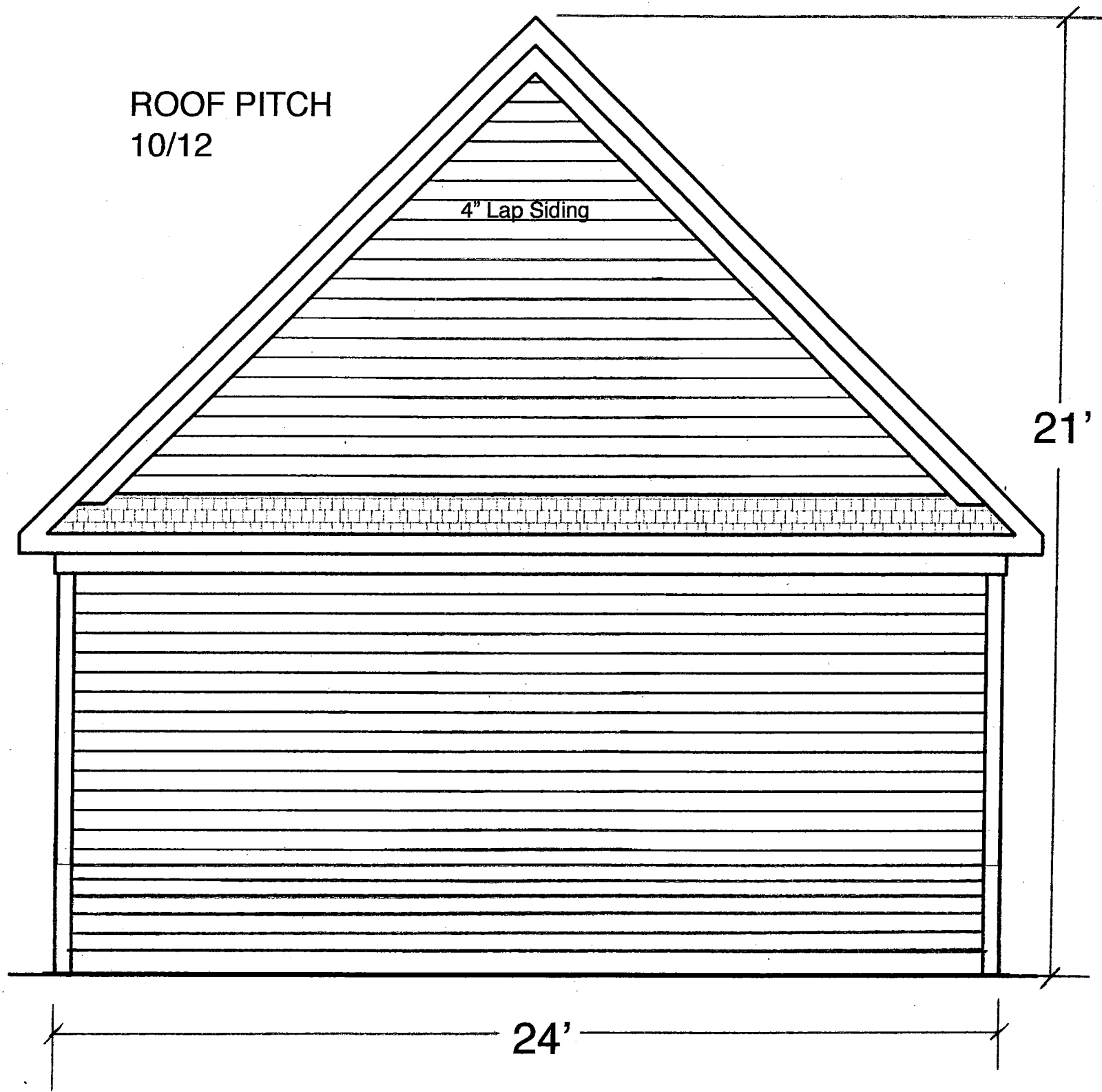
FRONT VIEW



RIGHT SIDE VIEW



LEFT SIDE VIEW



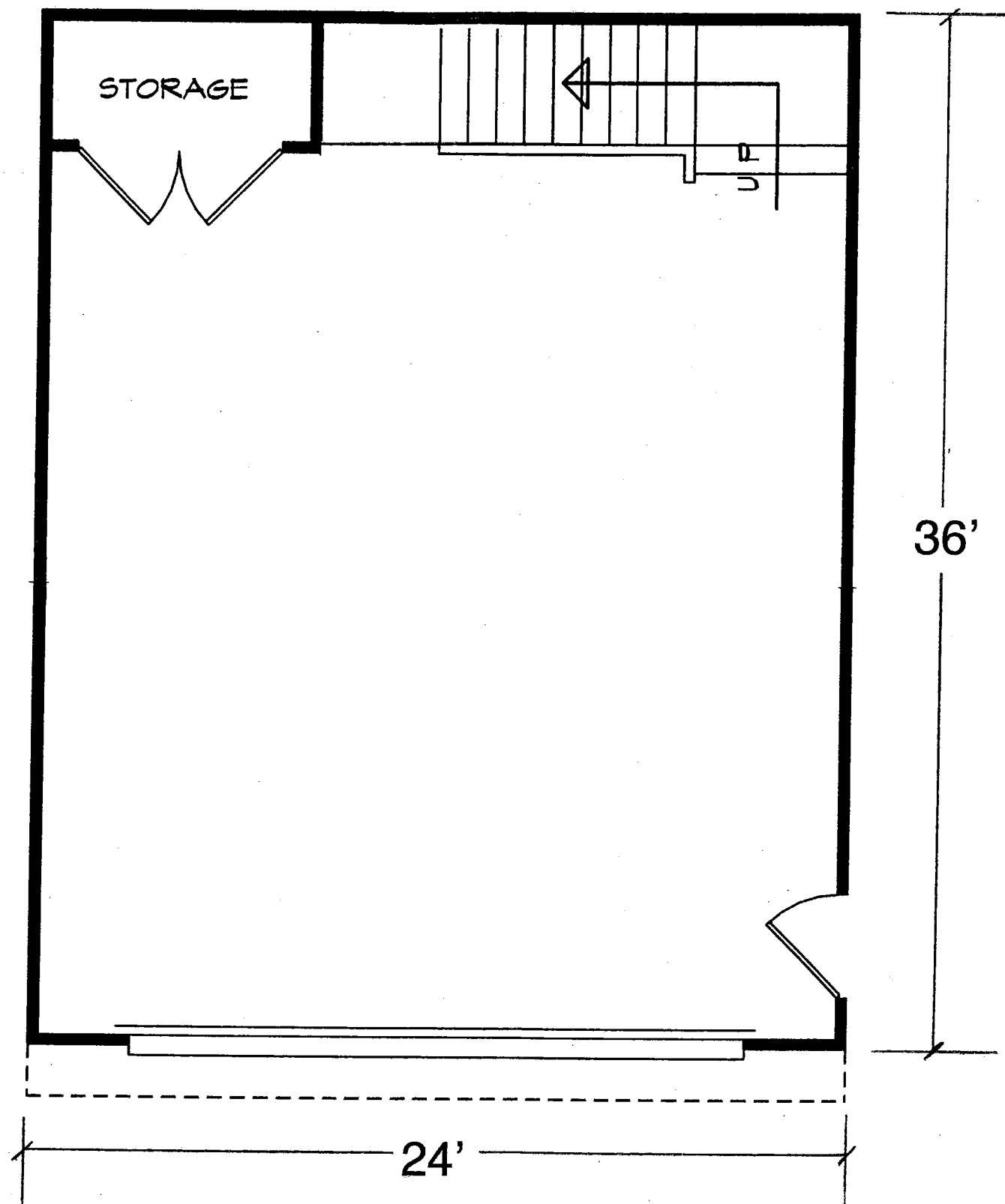
ROOF PITCH
10/12

4" Lap Siding

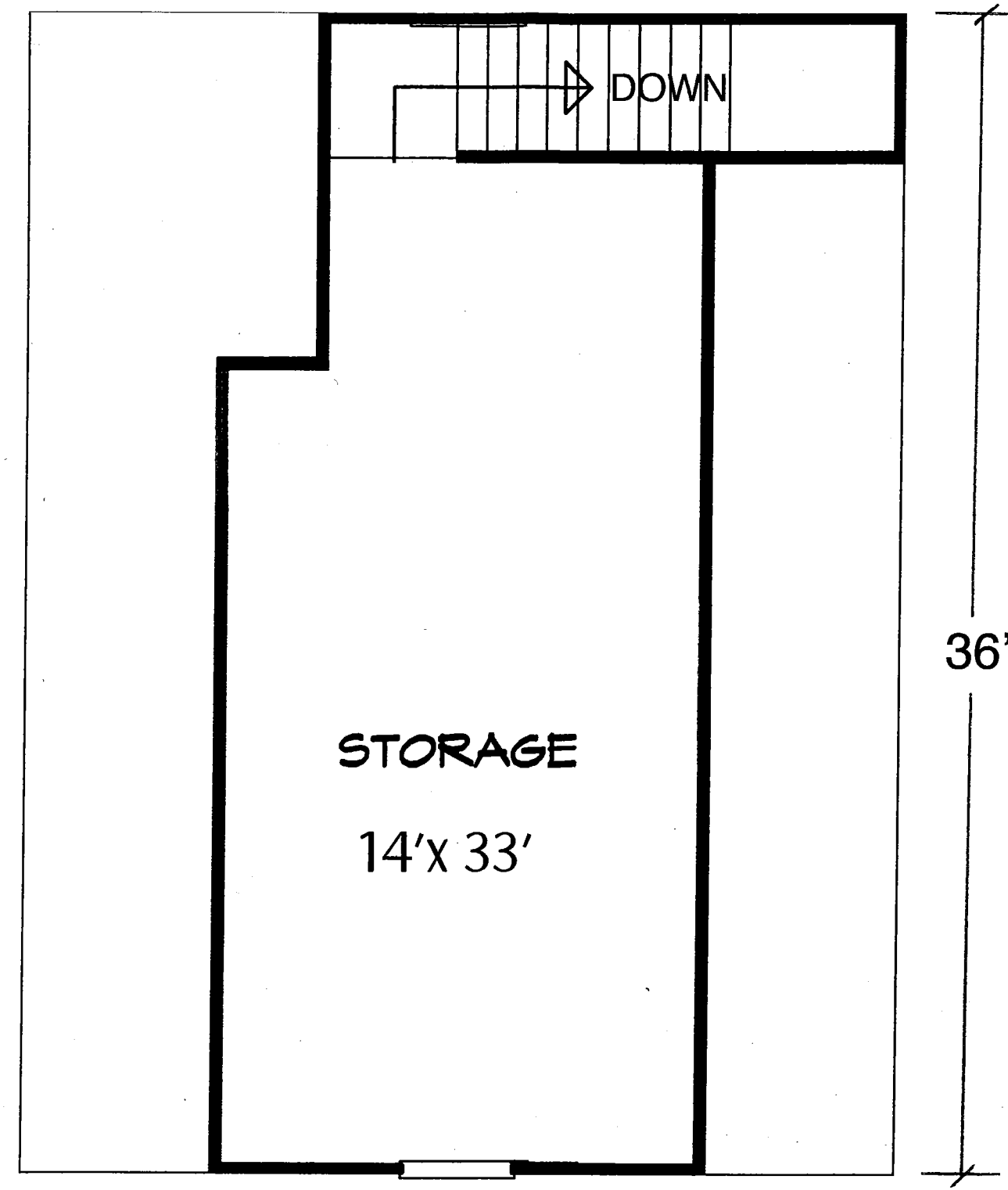
21'

24'

REAR VIEW



FLOOR PLAN



STORAGE

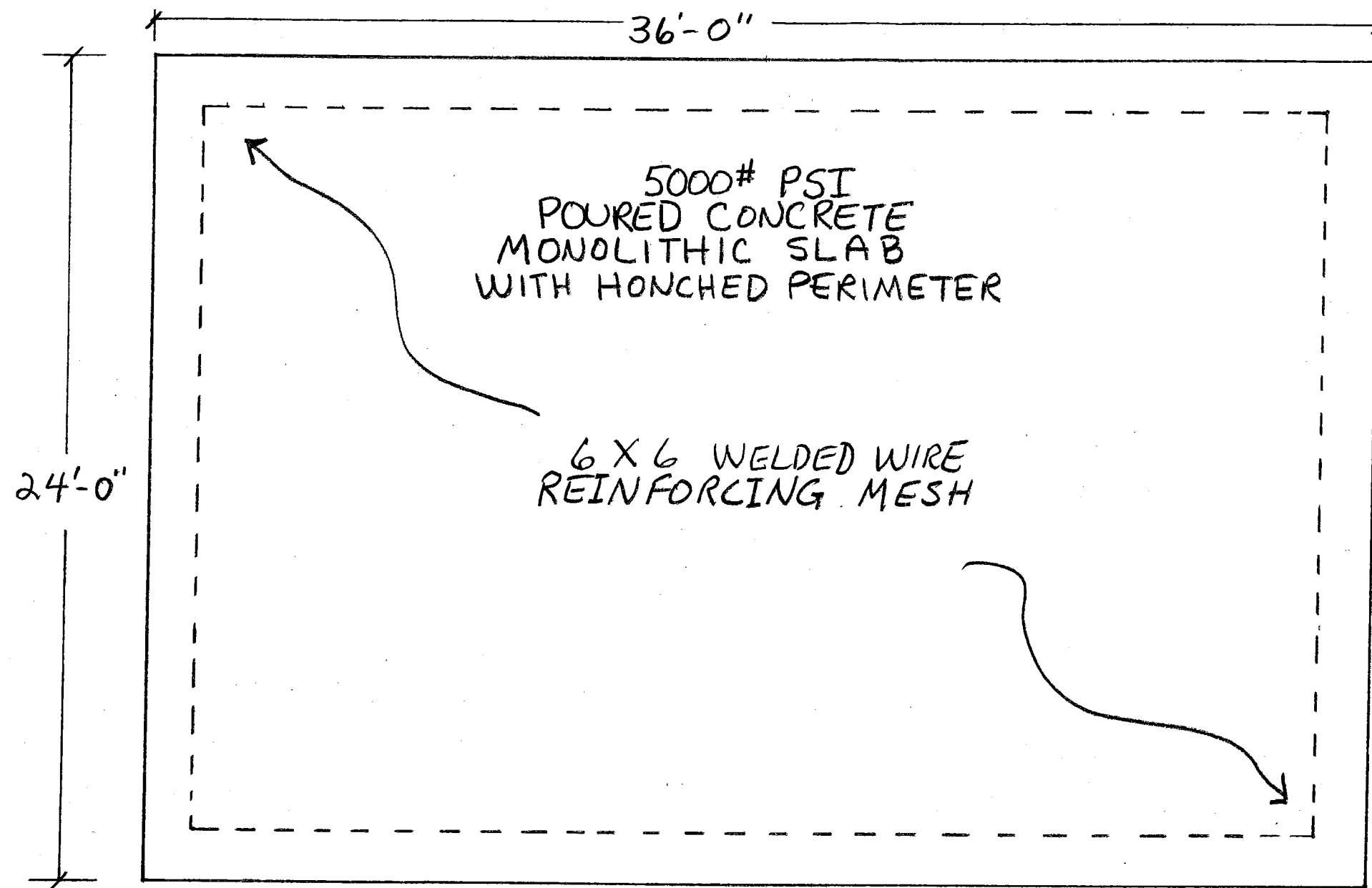
14'x 33'

DOWN

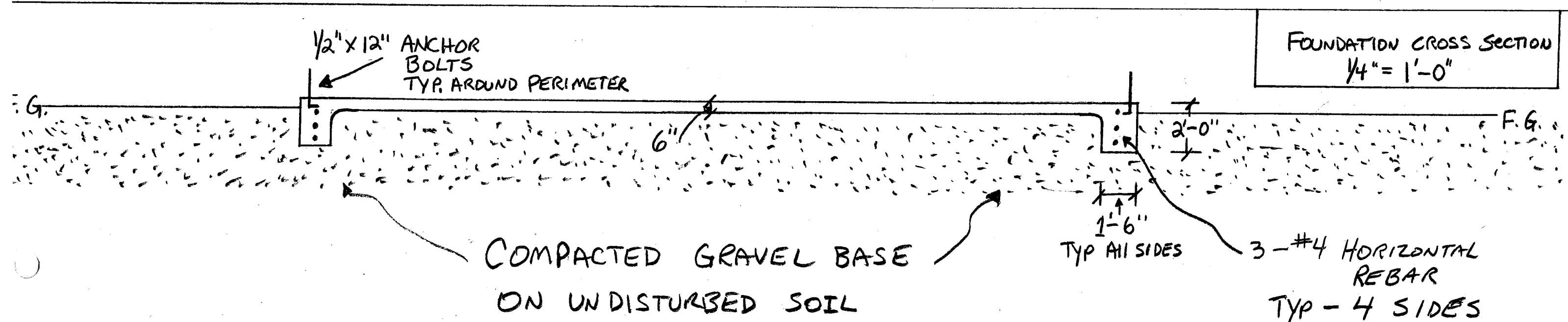
36'

24'

SECOND FLOOR PLAN



FOUNDATION
PLAN VIEW
1/4" = 1'-0"



SINGLE
ENGINEERED ROOF TRUSSES
16" O.C. (SPEC 24" O.C.)

DOUBLE ROOF TRUSS
(PER SPEC. SHEET)

GABLE END ROOF TRUSS
DROPPED FOR 2X6
OUTRIGGERS

DOUBLE 2X6
TOP PLATE

2X6 OUTRIGGERS
TO ACCOMADATE
STAIRWELL + OVERHANG
TYP. BOTH SIDES 16 O.C.

WALLS 2X6 TYP.
16" O.C.

4X6 P.T. SILL PLATE

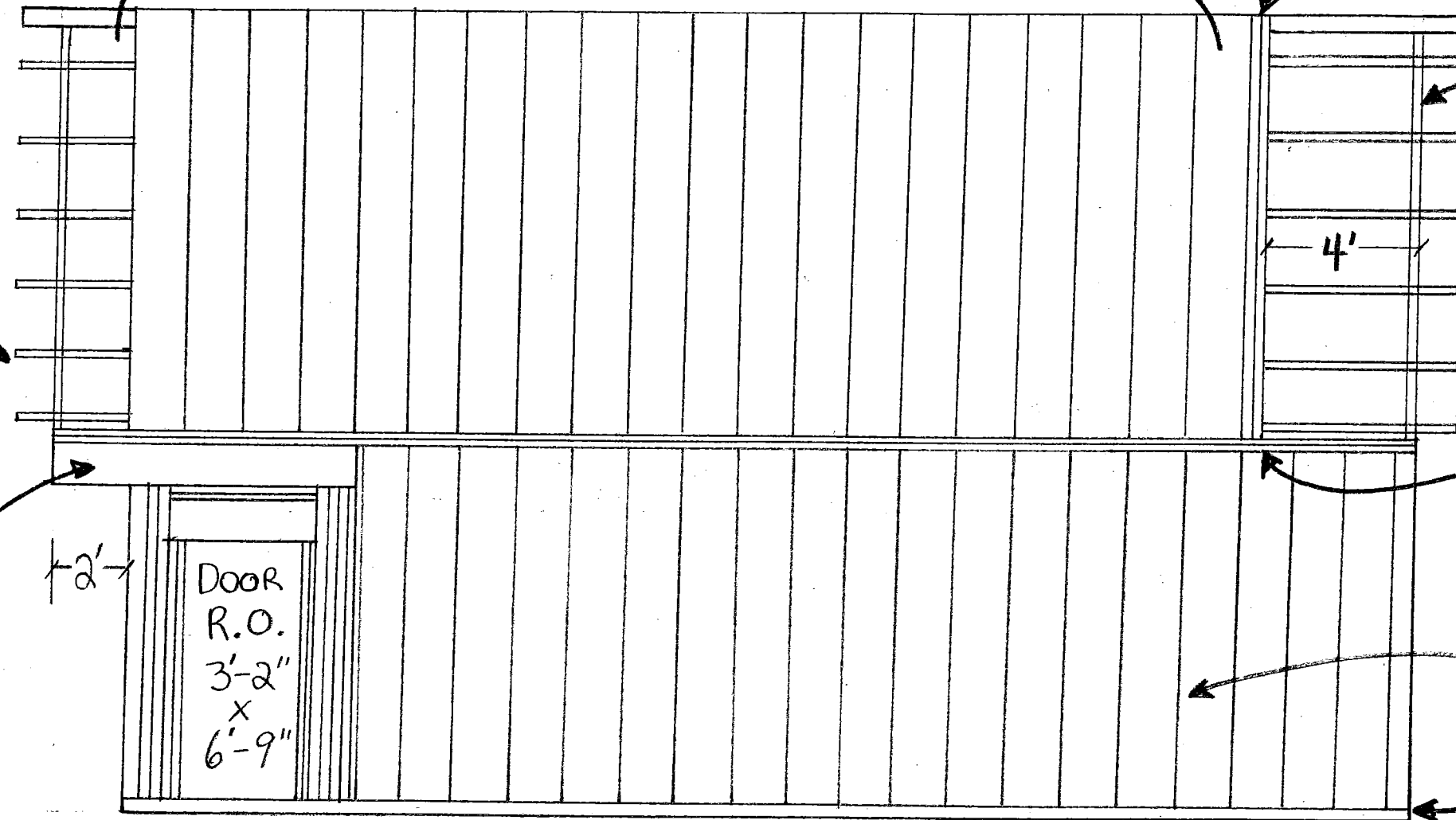
2X6 OUTRIGGERS
FOR OVERHANG
TYP. BOTH SIDES
16" O.C.

TRIPLE 2X12
CANTILEVERED 2'
FOR OVERHANG
TYP. BOTH SIDES

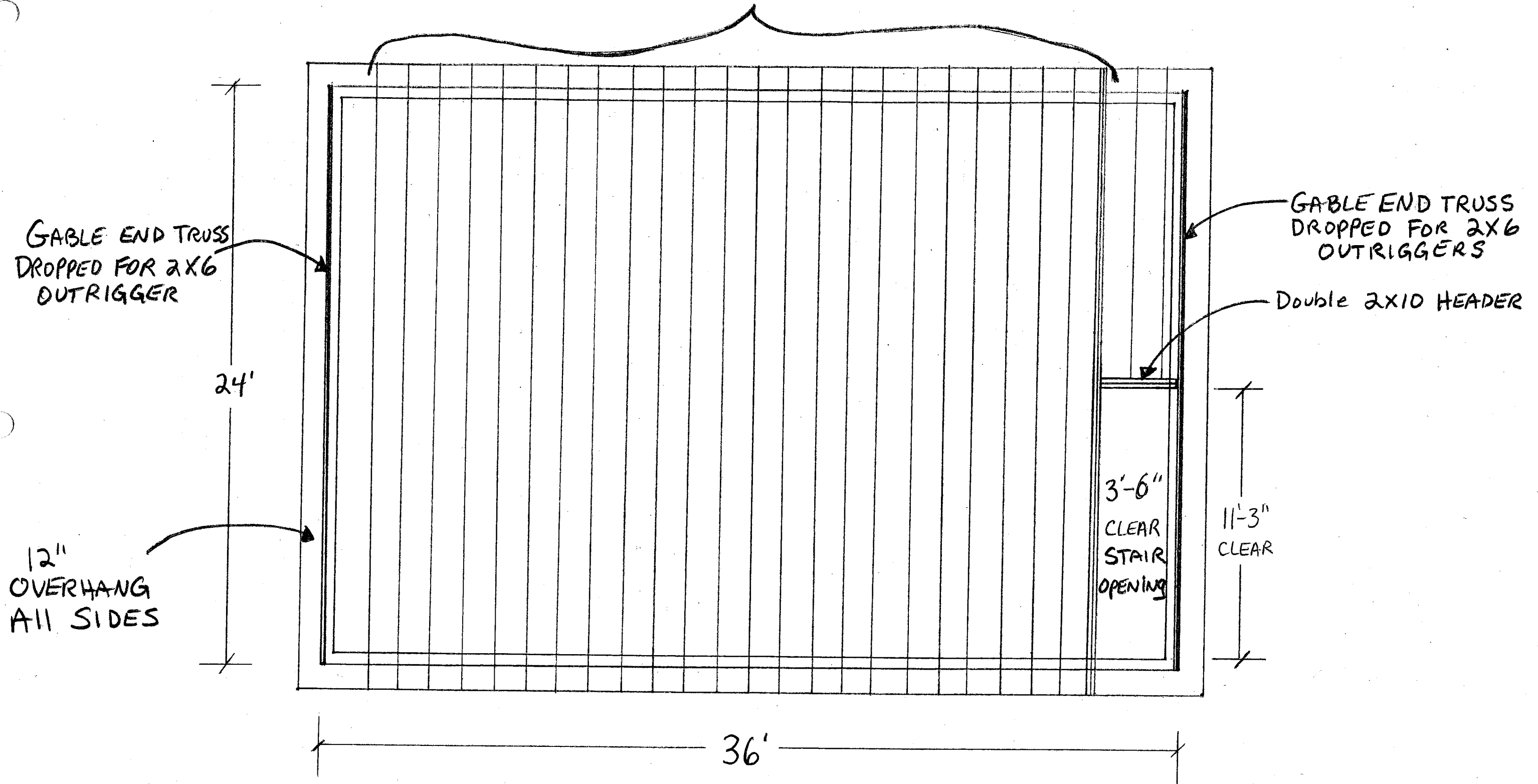
Door
R.O.
3'-2"
x
6'-9"

34'

ROOF + WALL FRAMING
1/4" = 1'-0"



ENGINEERED ROOF TRUSSES



GABLE END TRUSS
DROPPED FOR 2X6
OUTRIGGER

24'

12"
OVERHANG
ALL SIDES

36'

3'-6"
CLEAR
STAIR
OPENING

11'-3"
CLEAR

GABLE END TRUSS
DROPPED FOR 2X6
OUTRIGGERS

Double 2X10 HEADER

ROOF TRUSS FRAMING
 $\frac{1}{4}'' = 1'-0''$

Job 682801	Truss 001	Truss Type ATTIC	Qty 17	Ply 1	Job Reference (optional)		
Boise Cascade, Biddeford, ME 04005, Chipper Roberts					7.640 s Feb 22 2016 MiTek Industries, Inc. Wed Nov 16 09:26:53 2016 Page 1		
ID:Lu5YMcR4eh777kTXwJEL1yPcPM-UxB8EzwozpzjsUgkXljsSye0Z2HoSoLn9tBm0nylfpG							
1-0-0	4-10-4	10-0-3	12-0-0	13-11-13	19-1-12	24-0-0	25-0-0
1-0-0	4-10-4	5-1-15	1-11-13	1-11-13	5-1-15	4-10-4	1-0-0

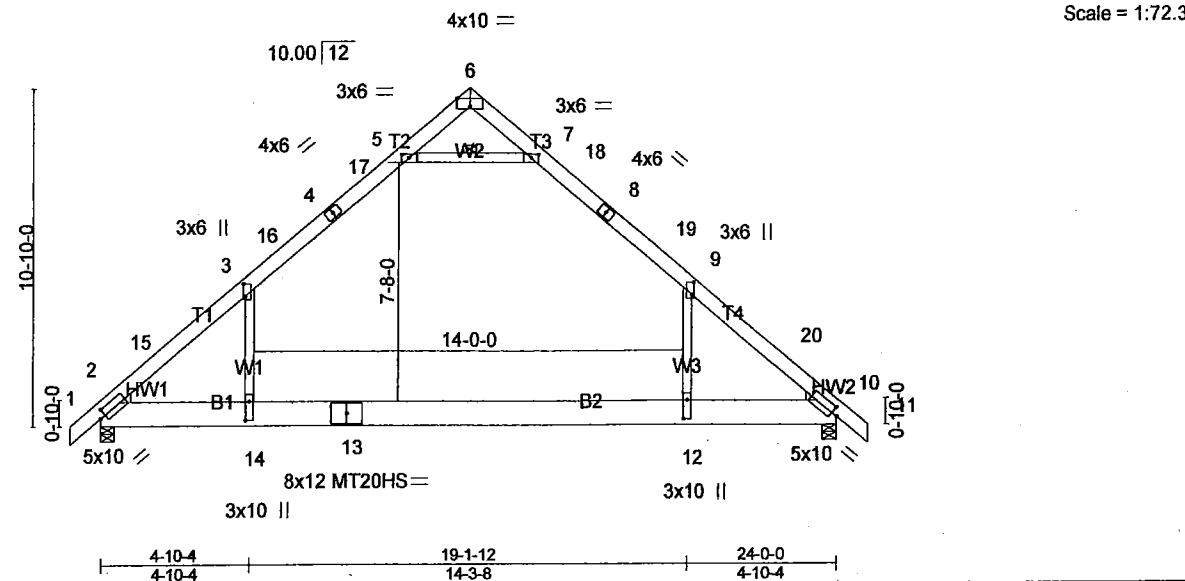


Plate Offsets (X,Y) - [2:0-2-6,0-2-12], [3:0-4-11,0-0-12], [5:0-3-0,0-1-4], [6:0-5-0,Edge], [7:0-3-0,0-1-4], [9:0-4-11,0-0-12], [10:0-2-6,0-2-12], [12:0-7-4,0-1-8], [14:0-7-4,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 50.0	2-0-0	TC 0.94	in (loc) l/defl L/d	MT20	169/123
(Roof Snow=50.0)	Plate Grip DOL 1.15	BC 0.60	Vert(LL) -0.98 12-14 >290 240	MT20HS	187/143
TCDL 10.0	Lumber DOL 1.15	WB 0.50	Vert(TL) -1.55 12-14 >182 180		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.02 10 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007		Attic -0.46 12-14 375 360		
				Weight: 187 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 SP M 23
JOIST CHORD 2x10 SP M 23
WEBS 2x4 SPF-S No.2
WEDGE
Left: 2x4 SPF-S No.2, Right: 2x4 SPF-S No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-11-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-6-1 oc bracing.
WEBS 1 Row at midpt 5-7

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=2552/0-5-8 (min. 0-2-2), 10=2552/0-5-8 (min. 0-2-2)
Max Horz 2=614(LC 7)
Max Uplift 2=475(LC 8), 10=475(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-2990/248, 3-15=-2655/267, 3-16=-1934/457, 4-16=-1839/459, 4-17=-1589/491,
5-17=-1572/499, 5-6=-113/1029, 6-7=-114/1029, 7-18=-1572/499, 8-18=-1589/491,
8-19=-1839/459, 9-19=-1934/457, 9-20=-2655/267, 10-20=-2990/248
BOT CHORD 2-14=-94/1744, 13-14=-94/1744, 12-13=-94/1744, 10-12=-94/1744
WEBS 5-7=-3050/746, 3-14=-145/1344, 9-12=-144/1344

- NOTES-** (15-16)
- 1) Wind: ASCE 7-05; 120mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 9-0-0, Exterior(2) 9-0-0 to 12-0-0, Interior(1) 15-0-0 to 22-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pf=50.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 50.0 psf on overhangs non-concurrent with other live loads.
 - 5) All plates are MT20 plates unless otherwise indicated.
 - 6) The solid section of the plate is required to be placed over the splice line at joint(s) 13.
 - 7) Plate(s) at joint(s) 13 checked for a plus or minus 2 degree rotation about its center.
 - 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 9) * 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 2-0-0 wide will fit between the bottom chord and any other members.
 - 10) Ceiling dead load (5.0 psf) on member(s). 3-5, 7-9, 5-7; Wall dead load (5.0psf) on member(s).3-14, 9-12
 - 11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-14
 - 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=475, 10=475.
 - 13) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 14) Attic room checked for L/360 deflection.
 - 15) Dimensions are in feet-inches-sixteenths
 - 16) Drawing prepared exclusively for manufacturing by Boise Cascade.

LOAD CASE(S) Standard

Job 682801	Truss 002	Truss Type GEDRP	Qty 2	Ply 1	Job Reference (optional)
Boise Cascade, Biddeford, ME 04005, Chipper Roberts					7.640 s Feb 22 2016 MiTek Industries, Inc. Wed Nov 16 09:27:43 2016 Page 1
ID:Lu5YMcR4eh777kTXwJEL1yPcPM-1YC2k3X9B5EtsAvXTrcbUUjkJCS89Su8fflPmuyfoU					
1-0-0	4-10-4	12-0-0	19-1-12	24-0-0	25-0-0
1-0-0	4-10-4	7-1-12	7-1-12	4-10-4	1-0-0

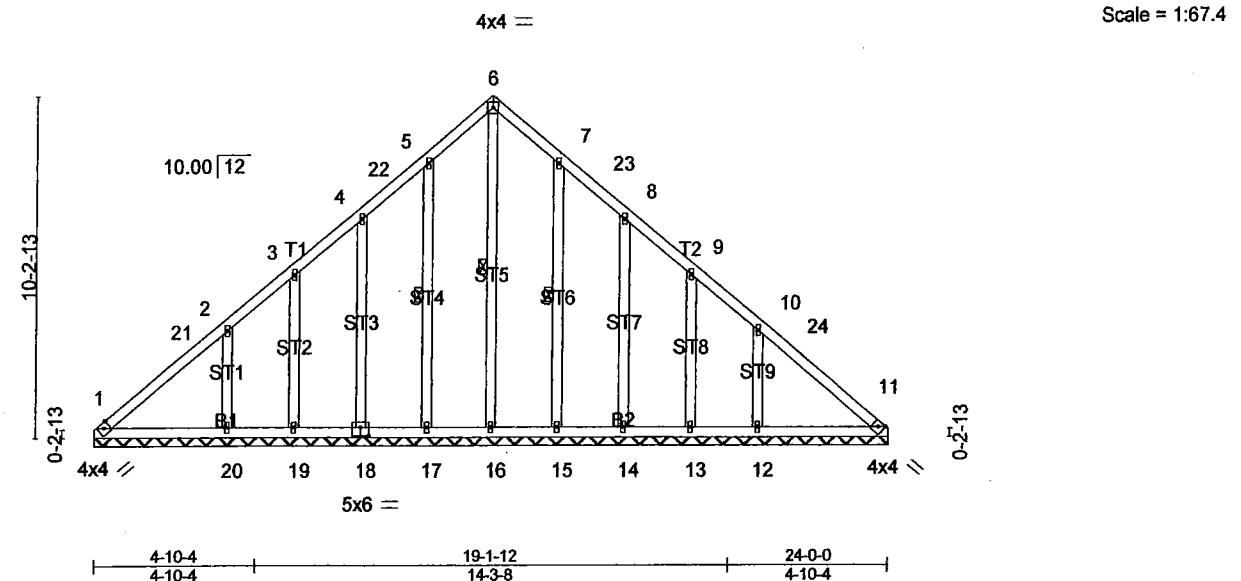


Plate Offsets (X,Y) - [18:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 50.0	2-0-0	TC 0.21	in (loc) l/defl L/d	MT20	169/123
(Roof Snow=50.0)	Plate Grip DOL 1.15	BC 0.17	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.30	Vert(TL) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.01 11 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 115 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF 1650F 1.5E
OTHERS 2x4 SPF-S No.2

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.
WEBS 1 Row at midpt 6-16, 5-17, 7-15

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 24-0-0.
(lb) - Max Horz 1=-593(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 11, 19, 13 except 1=151(LC 6),
17=-133(LC 7), 18=-167(LC 8), 20=-440(LC 8), 15=-116(LC 6), 14=-169(LC 9),
12=-440(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 19, 13 except 1=293(LC 7),
11=261(LC 1), 16=329(LC 9), 17=401(LC 2), 18=364(LC 2), 20=549(LC 2),
15=401(LC 3), 14=364(LC 3), 12=549(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-524/309, 2-21=-497/325, 2-3=-322/286, 3-4=-234/279, 4-22=-172/255,
5-22=-104/268, 5-6=-178/371, 6-7=-178/371, 10-24=-329/157, 11-24=-356/141
BOT CHORD 1-20=-118/351, 19-20=-118/351, 18-19=-118/351, 17-18=-118/351, 16-17=-118/351,
15-16=-118/351, 14-15=-118/351, 13-14=-118/351, 12-13=-118/351, 11-12=-118/351
WEBS 6-16=-306/0, 5-17=-364/178, 4-18=-313/221, 2-20=-421/425, 7-15=-364/178,
8-14=-313/221, 10-12=-421/425

- NOTES-** (10-11)
- 1) Wind: ASCE 7-05; 120mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 9-0-0, Exterior(2) 9-0-0 to 12-0-0, Interior(1) 15-0-0 to 20-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pf=50.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * 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 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 19, 13 except (jt=lb) 1=151, 17=133, 18=167, 20=440, 15=116, 14=169, 12=440.
 - 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 10) Dimensions are in feet-inches-sixteenths
 - 11) Drawing prepared exclusively for manufacturing by Boise Cascade.

LOAD CASE(S) Standard

