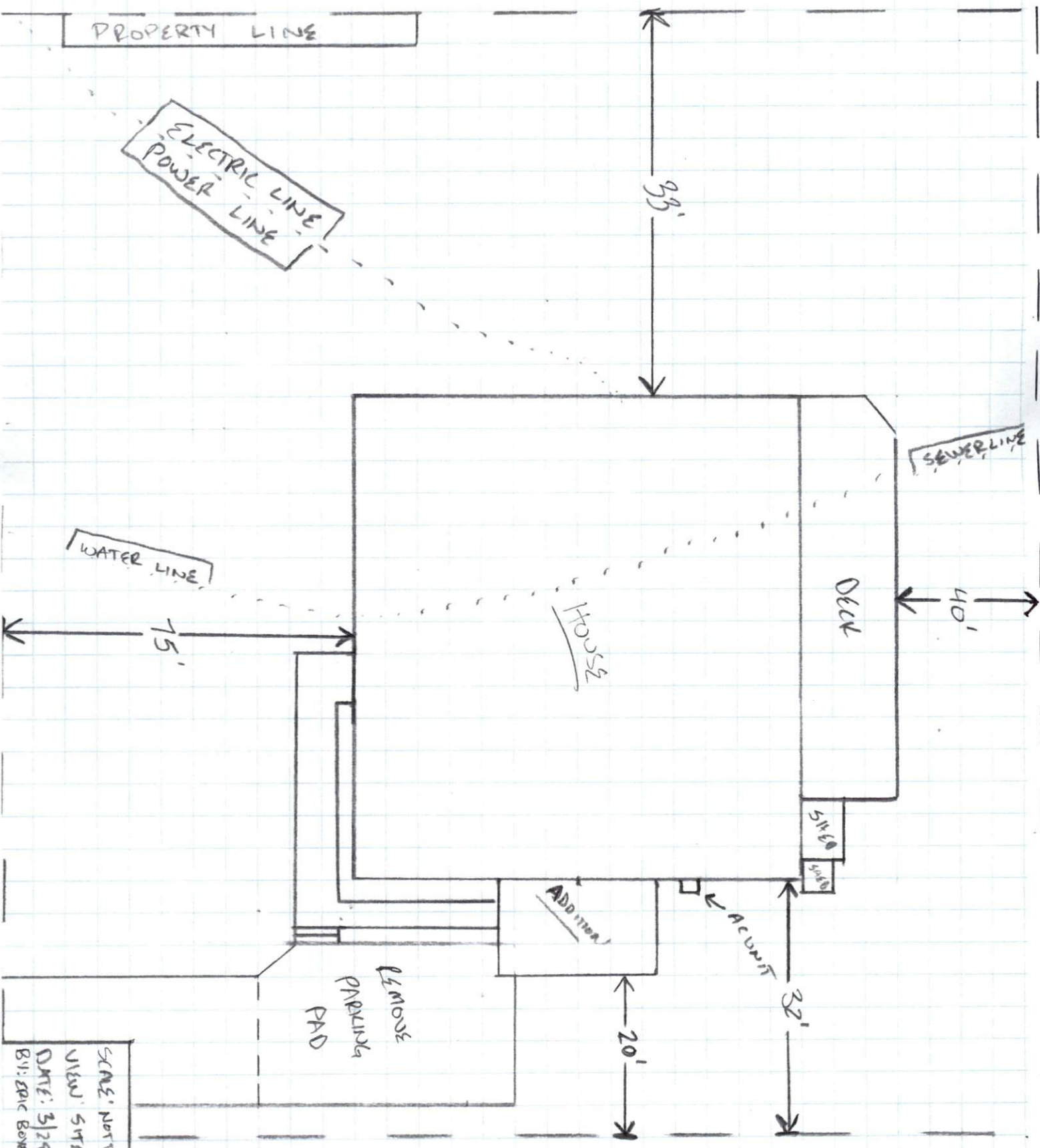


SITE PLAN APPROVAL

DISTRICT RA20R USE addition 16x12  
law office + bedroom

#BEDROOMS 1

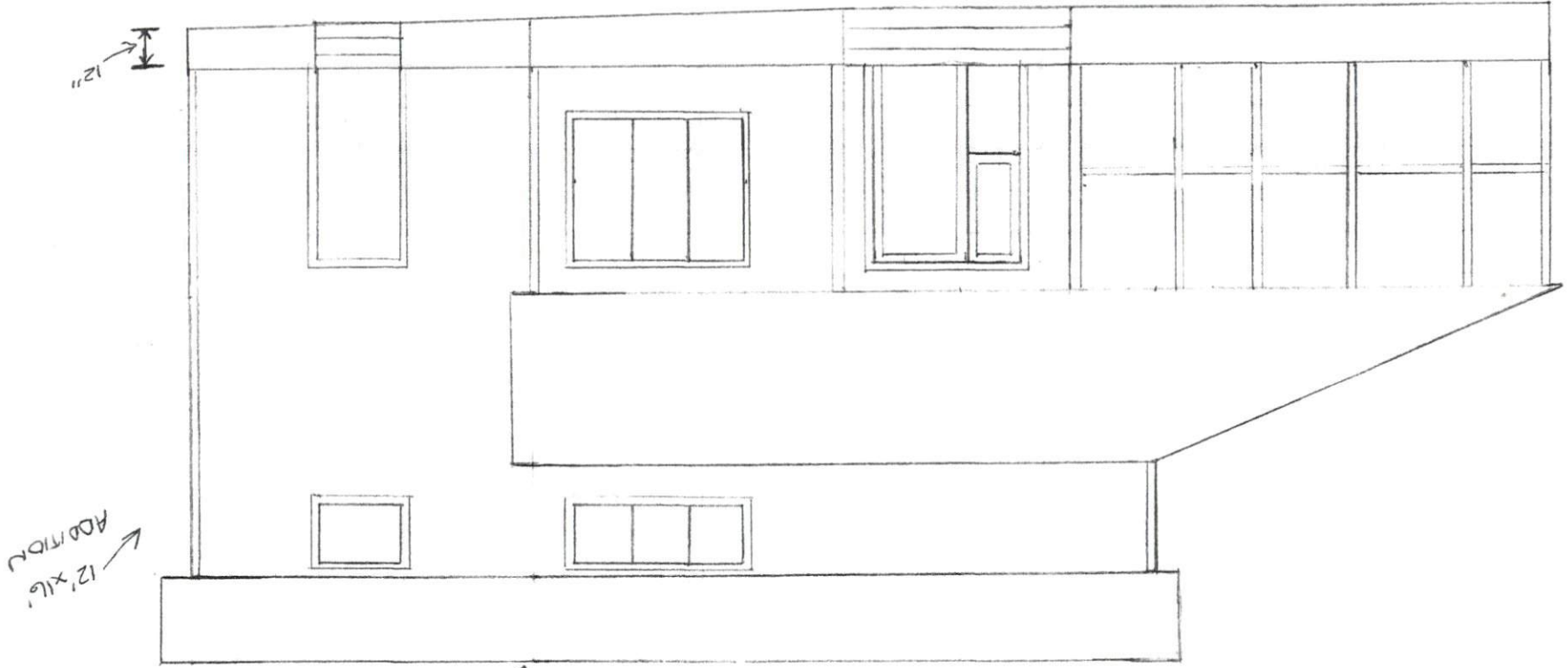
7-219 KA-G.



SCALE: NOT TO SCALE  
 VIEW: SITE MAP  
 DATE: 3/24/19  
 BY: ERIC BOYER

DATE: 4/11/2019  
DRAWN BY: [illegible]  
SCALE: 3/16" = 1'

MATCHING FOUNDATION ELEVATION



ADDITION  
12' x 16'

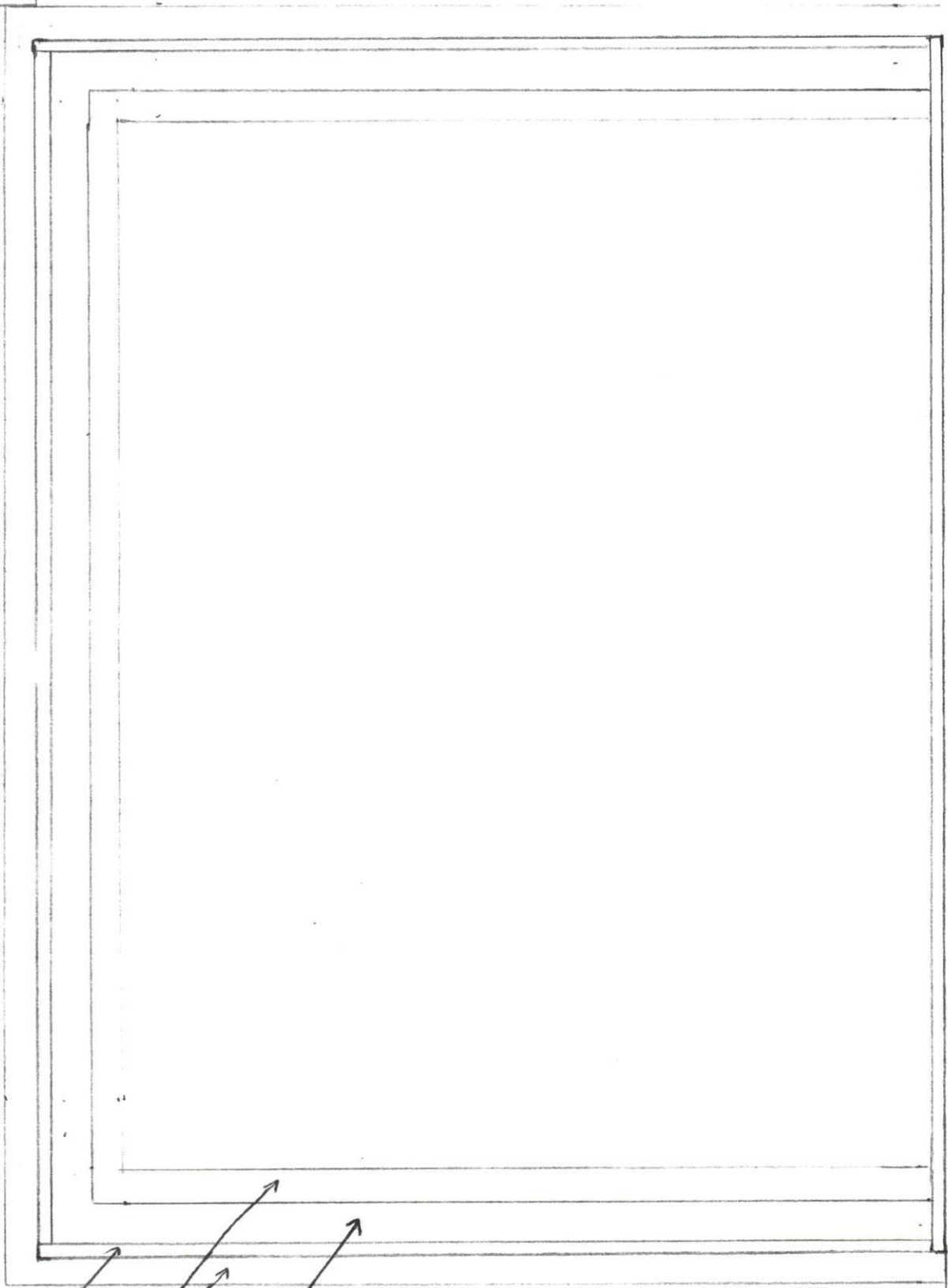
MATCHING ROOF LINE ELEVATION

12'

34'

48'

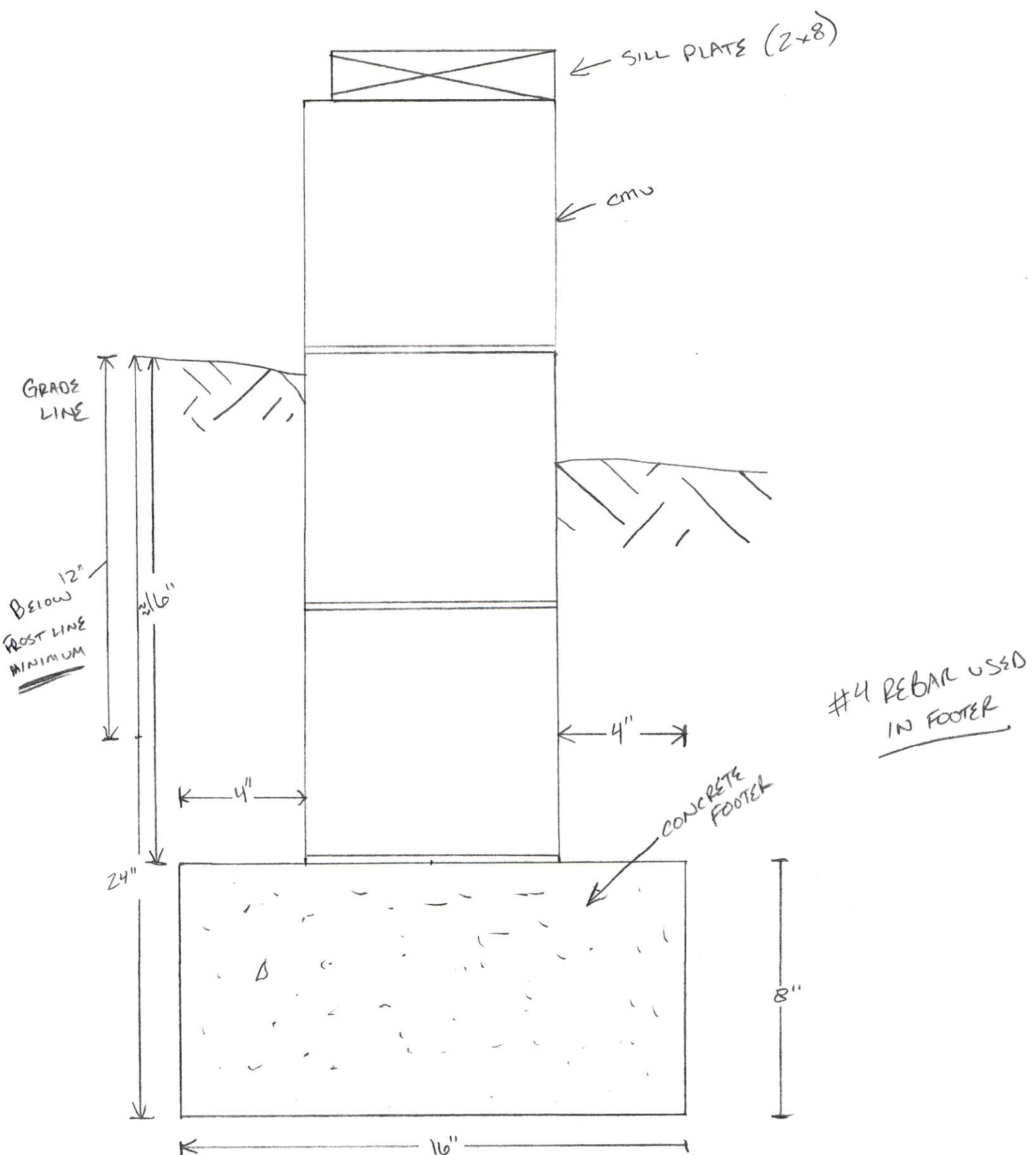
BY = ERIC BUTER  
DATE = 4/11/2011  
VIEW = TOP FOUNDATION  
SCALE = 1/8" = 1'



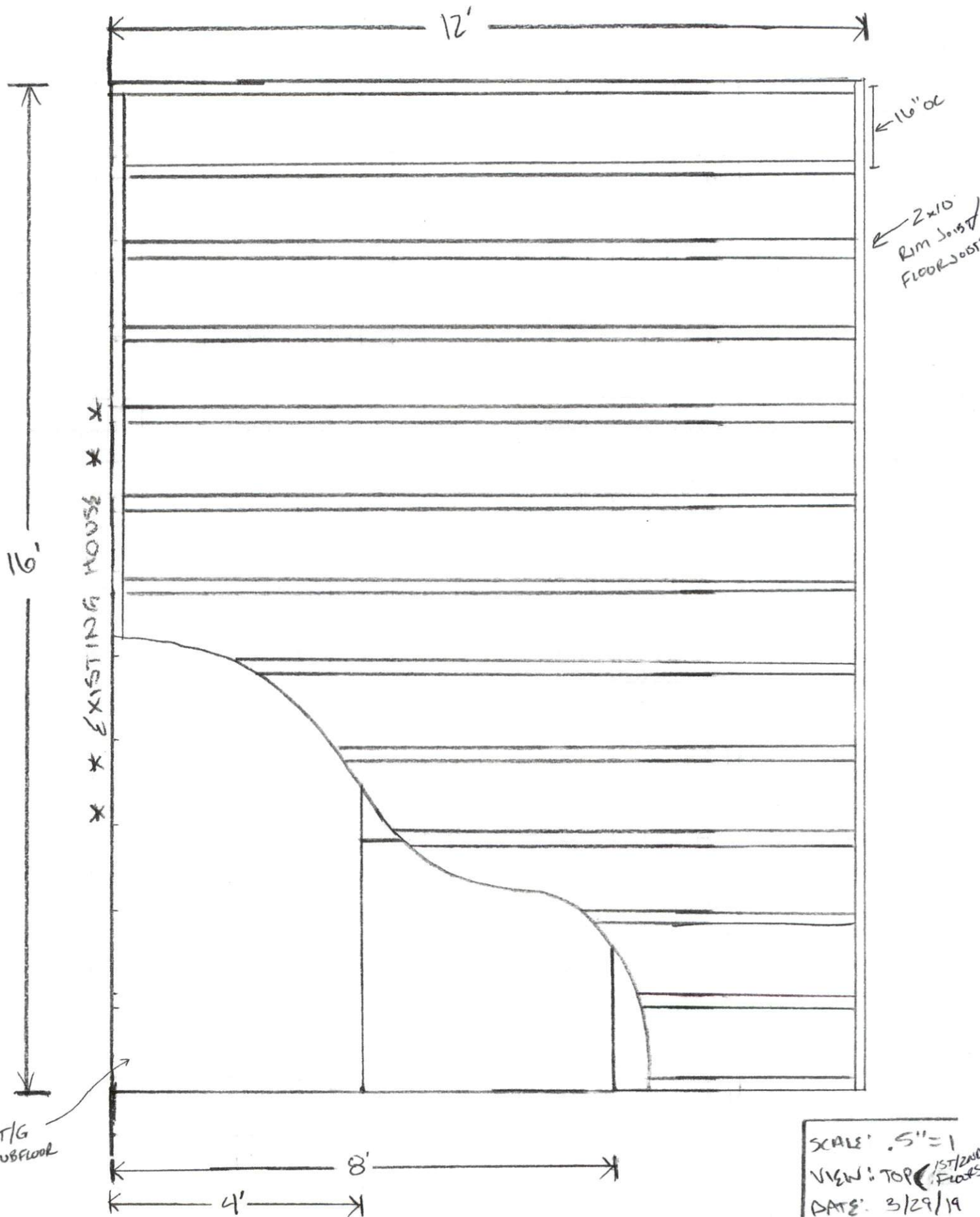
16'

Rim Joist  
CONCRETE FOOTER  
CMU

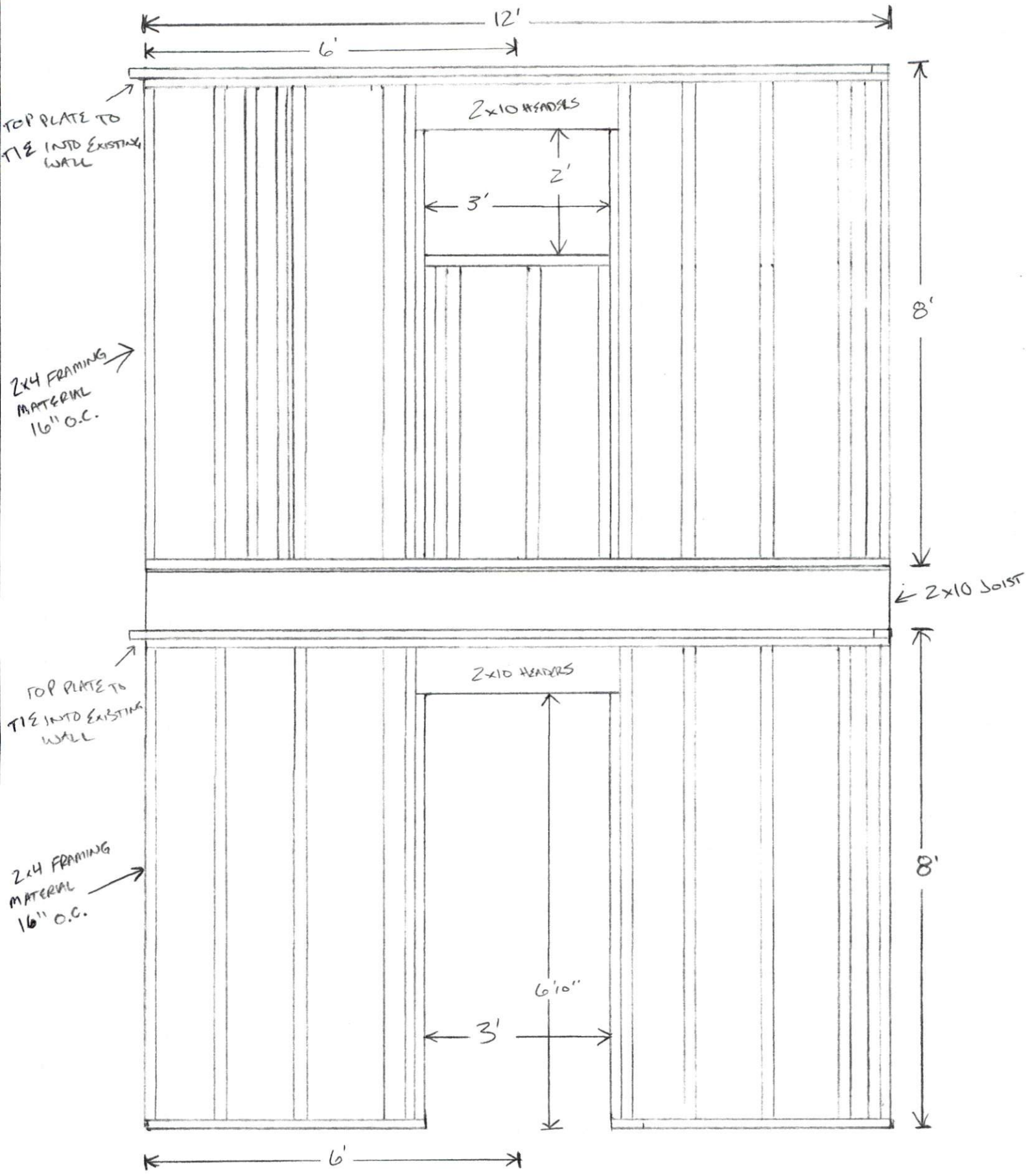
12' 4"  
12'  
16'



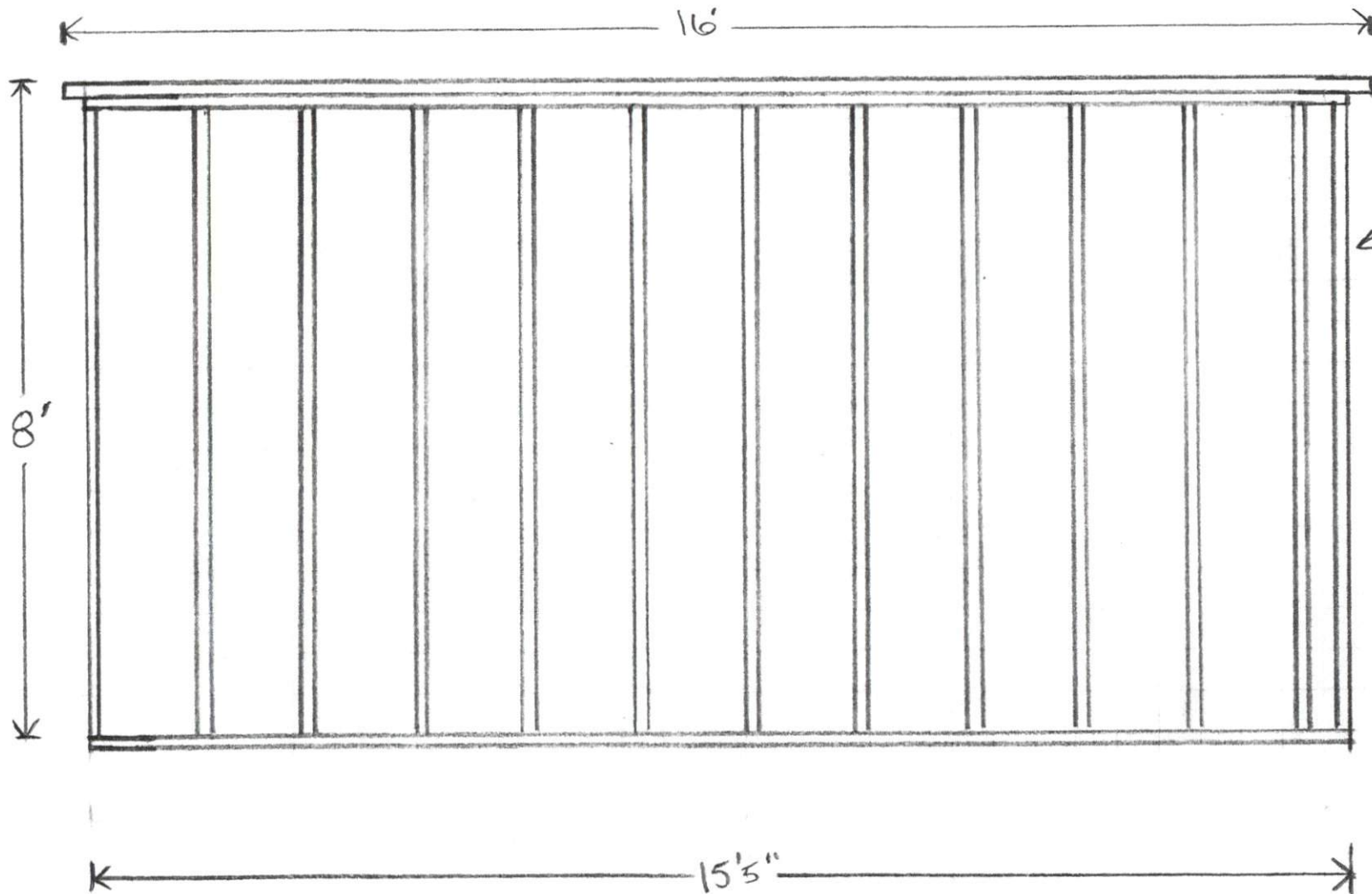
SCALE = 1/4" = 1'  
 VIEW = SIDE FOUNDATION  
 DATE = 4/11/2019  
 BY = ERIC BOYER



SCALE: .5" = 1'  
 VIEW: TOP (1ST/2ND FLOOR)  
 DATE: 3/29/19  
 BY: ERIC BOMER

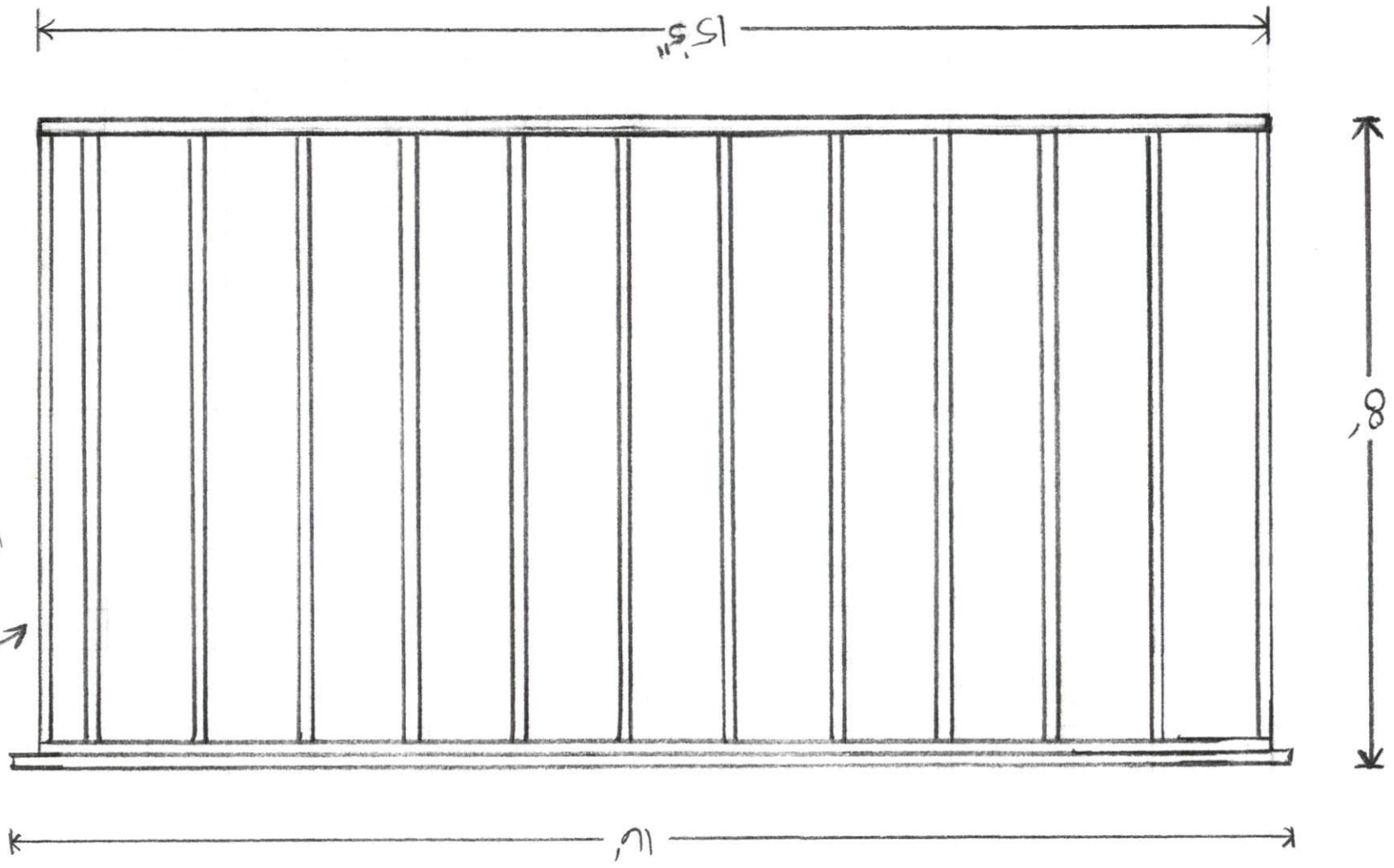


SCALE = 1/8" = 1'  
 VIEW = FRONT  
 DATE = 4/11/201  
 BY = ERIC BOYER

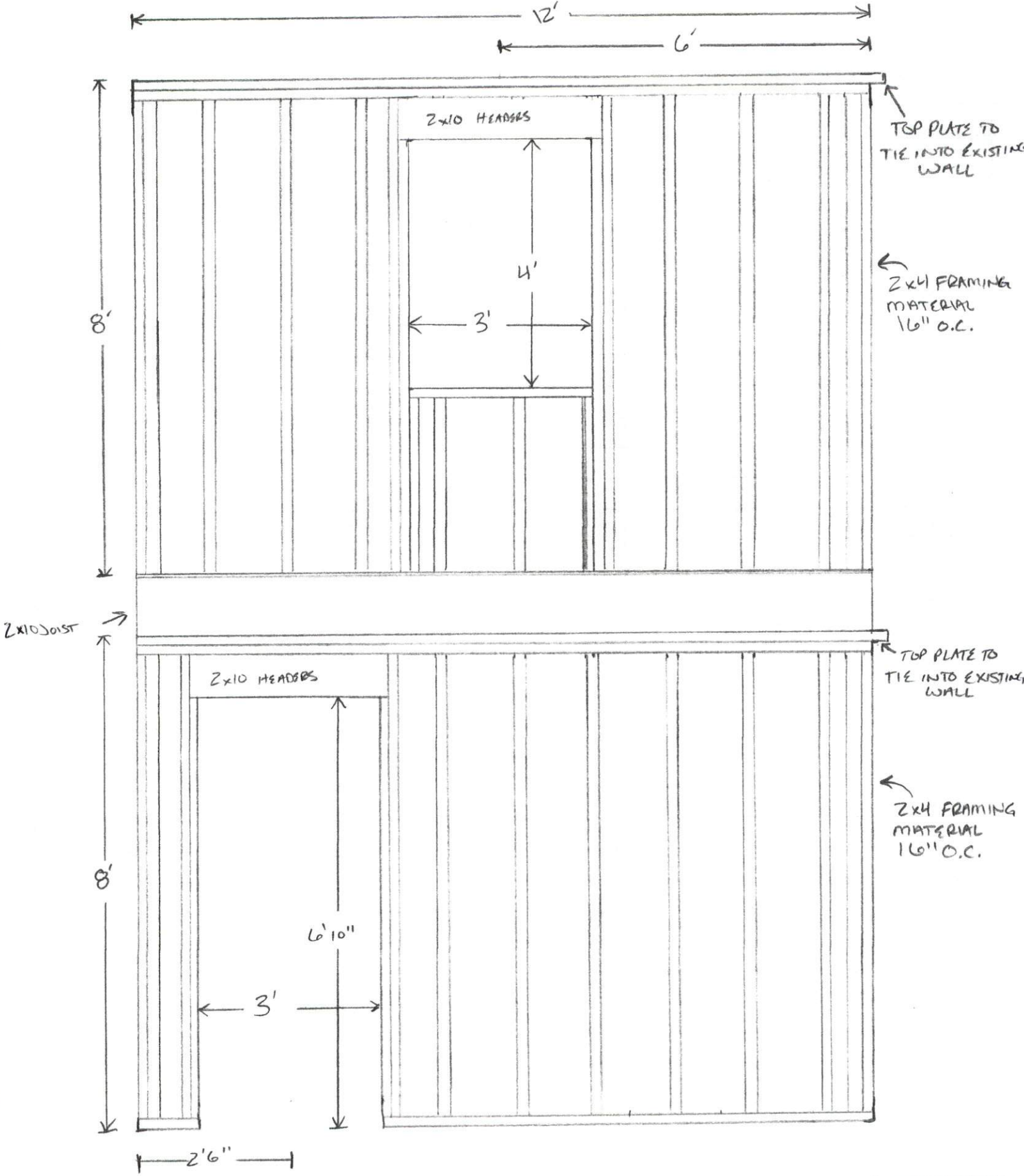


SCALE: .5" = 1'  
VIEW: SIDE (1ST FLOOR)  
DATE: 3/29/19  
(SHORT WALL)  
BY: ERIC BOYER

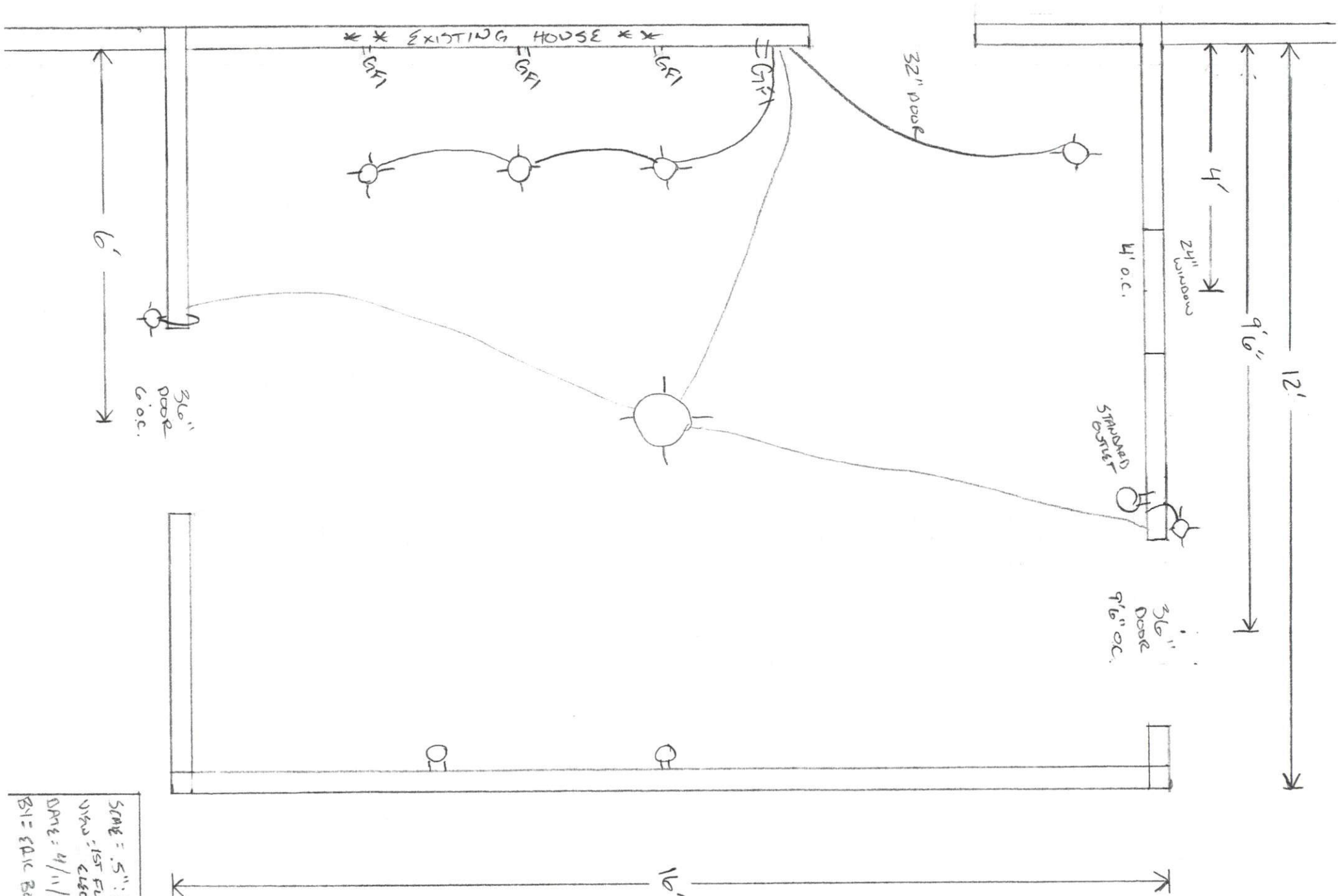
67: ERIC BUTER  
(Sheet work)  
DATE: 3/29/19  
VIEW: FRONT (2D)  
SCALE: 1"=1'





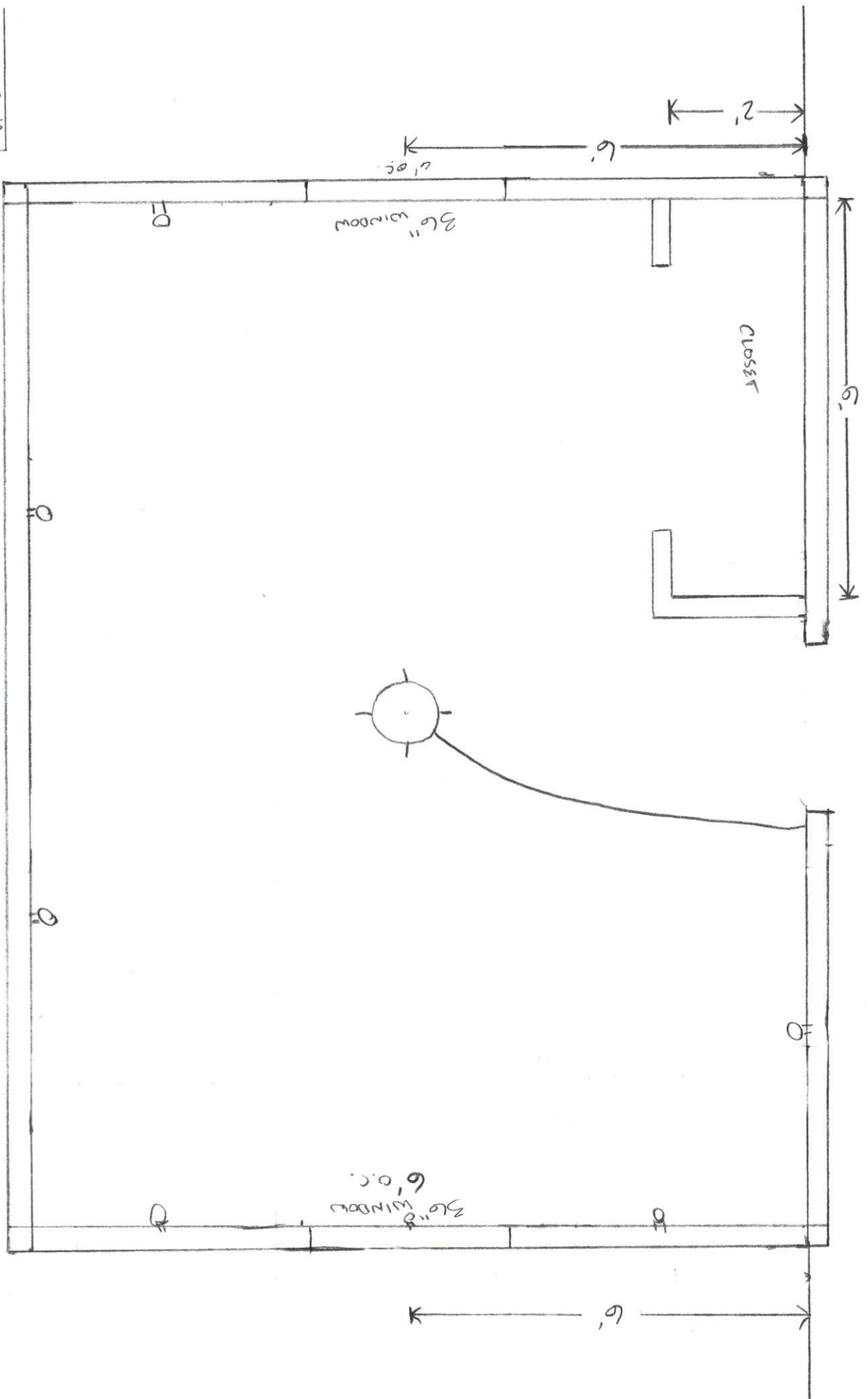


SCALE = .5" : 1'  
 VIEW = REAR  
 DATE = 4/11/2019  
 BY = ERIC BOYER



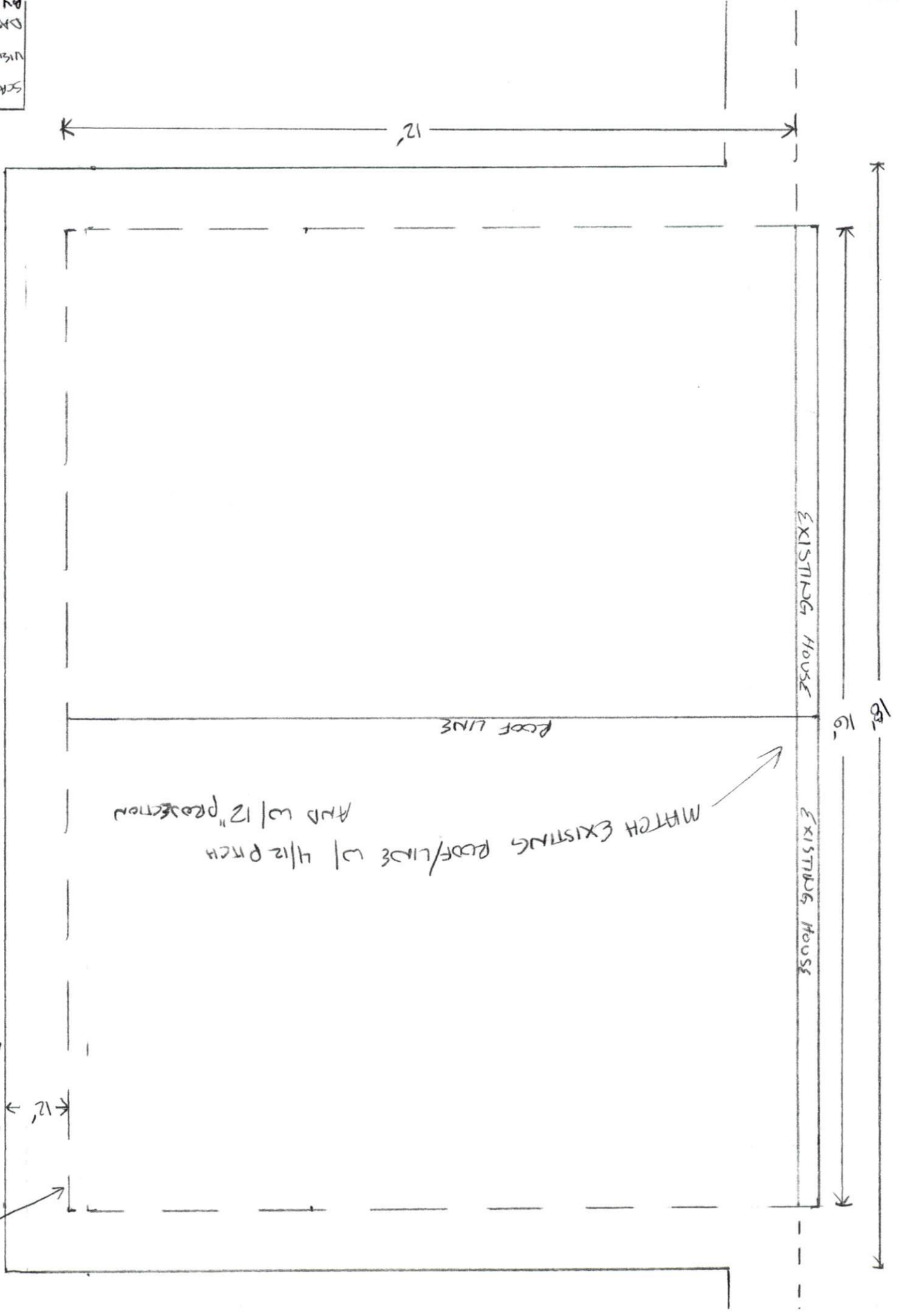
SCALE = 5" = 1'  
 VISA - 1ST FLR  
 ELECTRICAL  
 DATE = 4/11/2019  
 BS1 = ELEC B0112L

\*\*\* EXISTING HOUSE \*\*\*



SCALE = .5" = 1'  
VIEW: 2ND FLOOR  
DATE: 11/11/2019  
BY: ERIC BOYER

SCALE = 3/4" = 1'  
DATE = 4/11/19  
VIEW = ROOF TOP



ROOF EDGE  
PROJECTION  
EXTerior WALL

MATCH EXISTING ROOF/LINE w/ 4/12 PITCH  
AND w/ 12" PROJECTION

ROOF LINE

EXISTING HOUSE

EXISTING HOUSE

18'

12'

12'

Job ERIC BOYER	Truss T1	Truss Type KINGPOST	Qty 5	Ply 1	Job Reference (optional)
-------------------	-------------	------------------------	----------	----------	--------------------------

Carter Components - Sanford, Sanford, NC

8.200 s May 14 2018 MiTek Industries, Inc. Tue Jul 2 08:48:00 2019 Page 1  
ID:NHmFq0QbqMSrkrPHcthZWz0Alh-c0lp32dJZUdqKqj2TvaX?CZ?93EYzRYnEb8jrxz0ABz



Scale = 1:28.7

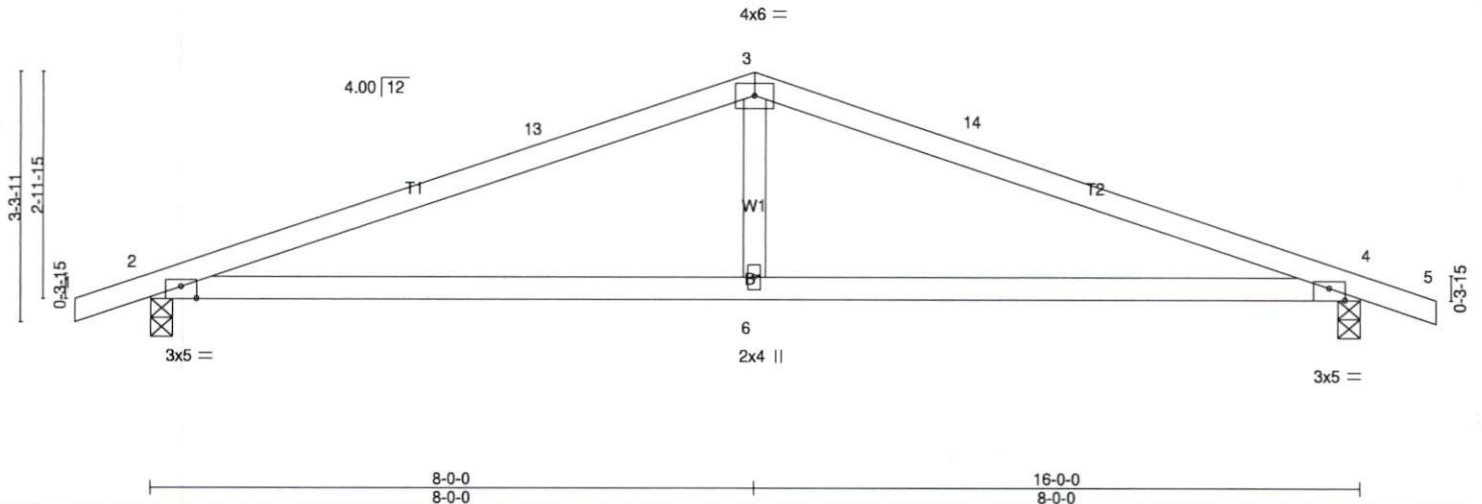


Plate Offsets (X,Y)-- [2:0-2-8,Edge], [4:0-2-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.97	Vert(LL)	-0.15	6-12	>999	MT20	244/190
Snow (Pf/Pg) 13.9/20.0	Plate Grip DOL 1.15	BC 0.85	Vert(CT)	-0.28	6-12	>686		
TCDL 10.0	Lumber DOL 1.15	WB 0.11	Horz(CT)	0.02	4	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MSH						
BDDL 10.0	Code IRC2015/TPI2014						Weight: 56 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.3

**BRACING-**

TOP CHORD Sheathed.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

**REACTIONS.** (lb/size) 2=589/0-3-8 (min. 0-1-8), 4=589/0-3-8 (min. 0-1-8)  
Max Horz 2=30(LC 20)  
Max Uplift 2=37(LC 11), 4=37(LC 12)  
Max Grav 2=700(LC 2), 4=700(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-13=-1224/286, 3-13=-1140/300, 3-14=-1140/300, 4-14=-1224/287  
BOT CHORD 2-6=-194/1102, 4-6=-194/1102  
WEBS 3-6=0/267

**NOTES-**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.1
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.
- \* 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.
- One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard

Job ERIC BOYER	Truss T1GE	Truss Type GABLE	Qty 1	Ply 1	Job Reference (optional)
-------------------	---------------	---------------------	----------	----------	--------------------------

Carter Components - Sanford, Sanford, NC

8.200 s May 14 2018 MTEK Industries, Inc. Tue Jul 2 08:48:00 2019 Page 1  
ID:NHmFq0QbqMSrklrPHcthZWz0Alh-o0lp32dJZUdqKqj2TvaX?CZ?93EYzRYnEb8jrxz0ABz

Scale = 1:28.7

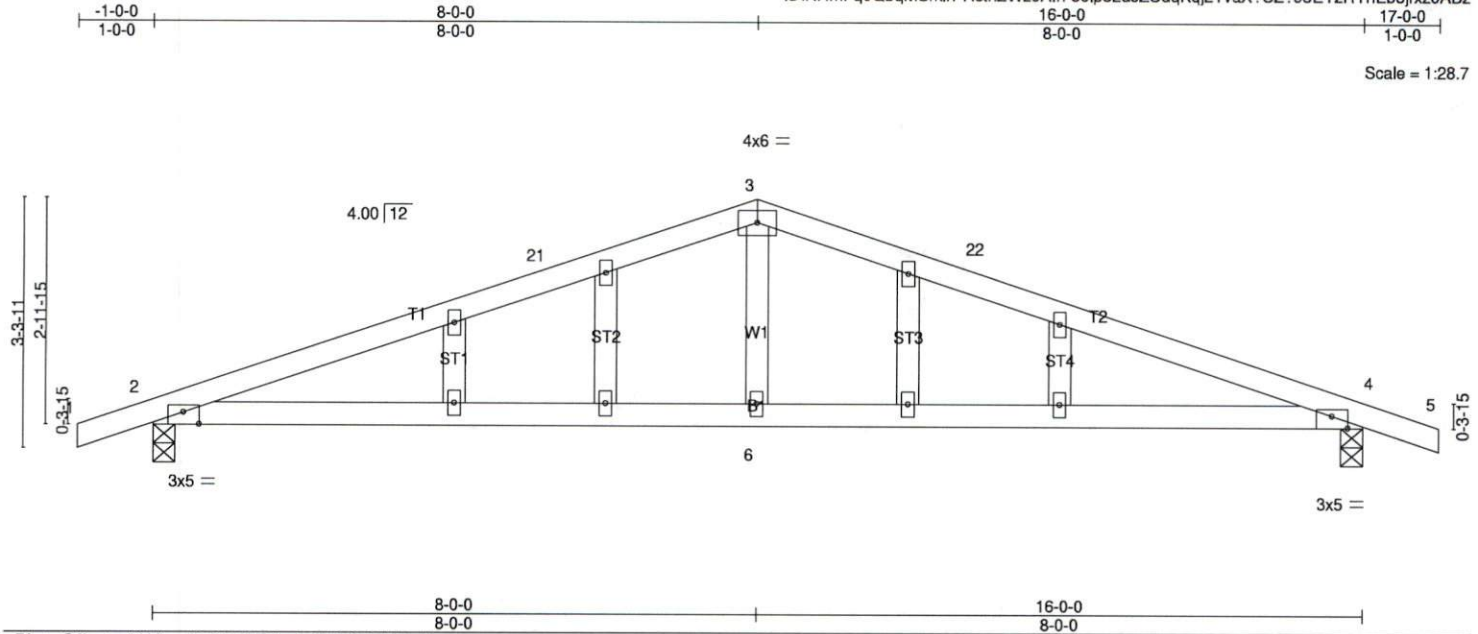


Plate Offsets (X,Y)-- [2:0-2-8,Edge], [4:0-2-8,Edge]

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL (roof) 20.0	2-0-0	TC 0.97	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 13.9/20.0	Plate Grip DOL 1.15	BC 0.85	Vert(LL) -0.15 6-20 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.11	Vert(CT) -0.28 6-20 >686 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MSH	Horz(CT) 0.02 4 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014			Weight: 64 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SP No.2  
 BOT CHORD 2x4 SP No.2  
 WEBS 2x4 SP No.3  
 OTHERS 2x4 SP No.3

**BRACING-**  
 TOP CHORD Sheathed.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

**REACTIONS.** (lb/size) 2=589/0-3-8 (min. 0-1-8), 4=589/0-3-8 (min. 0-1-8)  
 Max Horz 2=30(LC 20)  
 Max Uplift 2=37(LC 11), 4=37(LC 12)  
 Max Grav 2=700(LC 2), 4=700(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-21=-1224/286, 3-21=-1140/300, 3-22=-1140/300, 4-22=-1224/287  
 BOT CHORD 2-6=-194/1102, 4-6=-194/1102  
 WEBS 3-6=0/267

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
  - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.1
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable studs spaced at 2-0-0 oc.
  - \* 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.
  - One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
  - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard