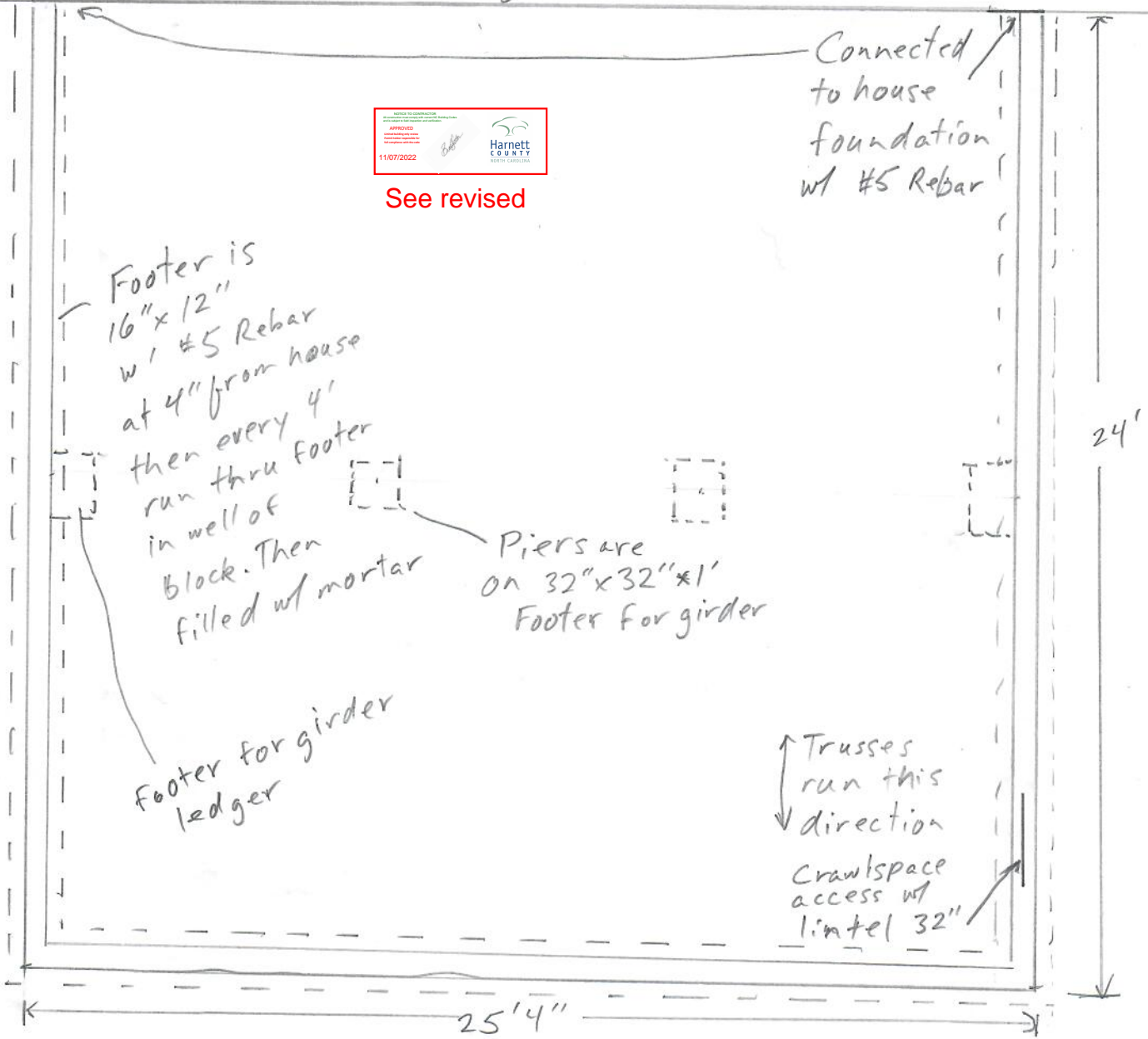


Foundation Plan

Original house

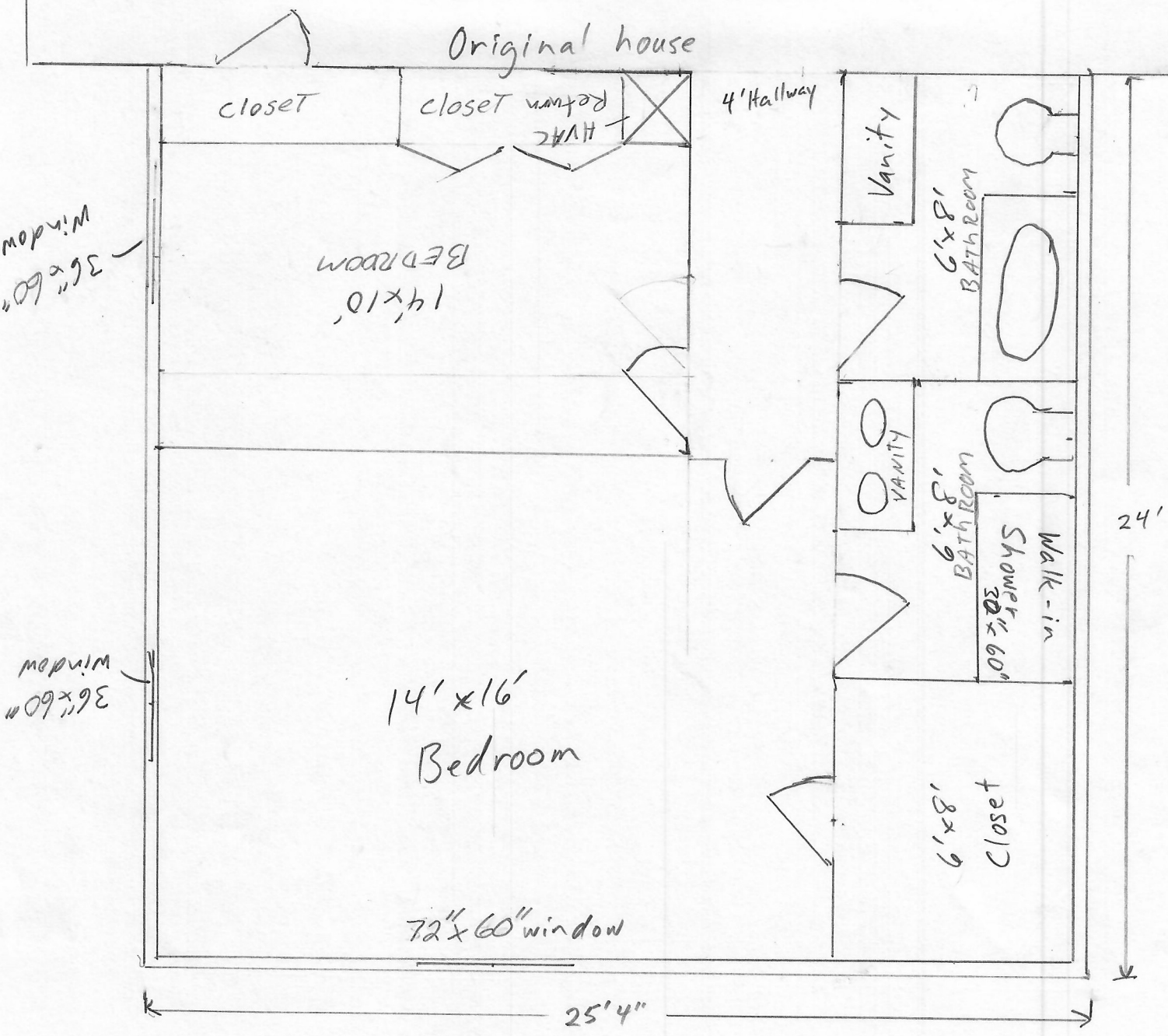


- L-anchor bolts mortared into block at 1' from corners, then every 6' at least, w/ threads exposed at least 3". Bolts are placed at least 4" from outside wall to provide space for a double band
- Foundation wall is 16" x 8" block w/ Type-S mortar

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Spring Lake, NC 28390

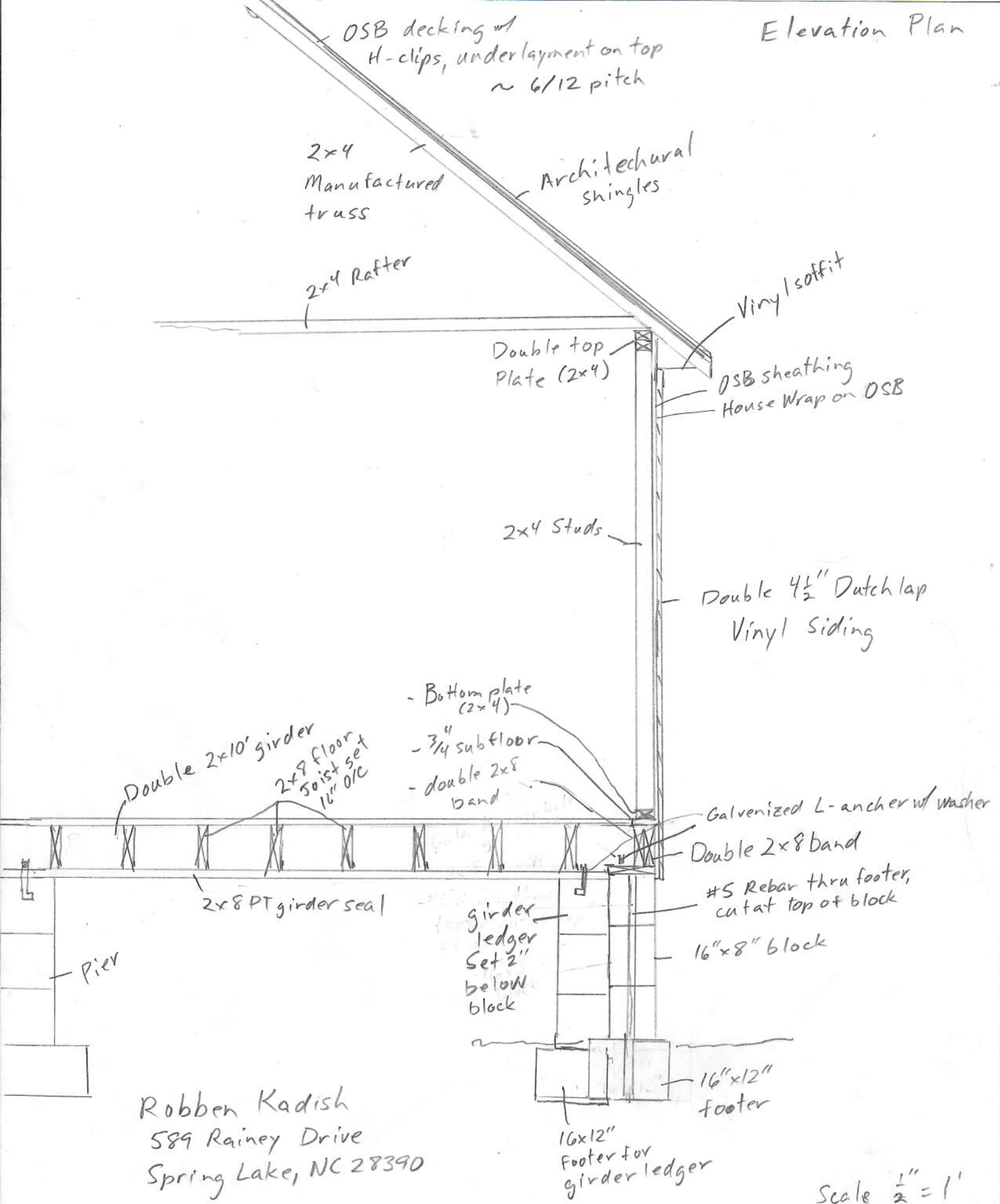
Scale $\frac{1}{4}" = 1'$

Floor Plan



Scale $\frac{1}{4}'' = 1'$

Elevation Plan



OSB decking w/
H-clips, underlayment on top
~ 6/12 pitch

2x4
Manufactured
truss

Architectural
shingles

2x4 Rafter

Vinyl soffit

Double top
Plate (2x4)

OSB sheathing
House Wrap on OSB

2x4 Studs

Double 4 1/2" Dutch lap
Vinyl Siding

- Bottom plate
(2x4)
- 3/4" subfloor
- double 2x8
band

Double 2x10' girder
2x8 floor
joist set
16" O/C

Galvanized L-ancher w/ washer

Double 2x8 band

#5 Rebar thru footer,
cut at top of block

16"x8" block

girder
ledger
Set 2"
below
block

2x8 PT girder seal

16"x12"
footer

16x12"
Footer for
girder ledger

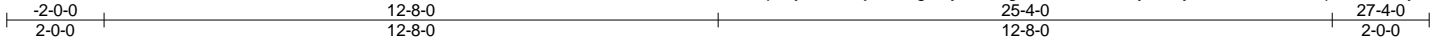
Pier

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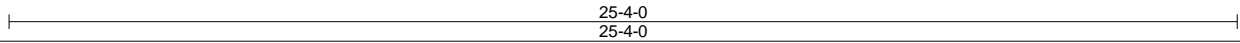
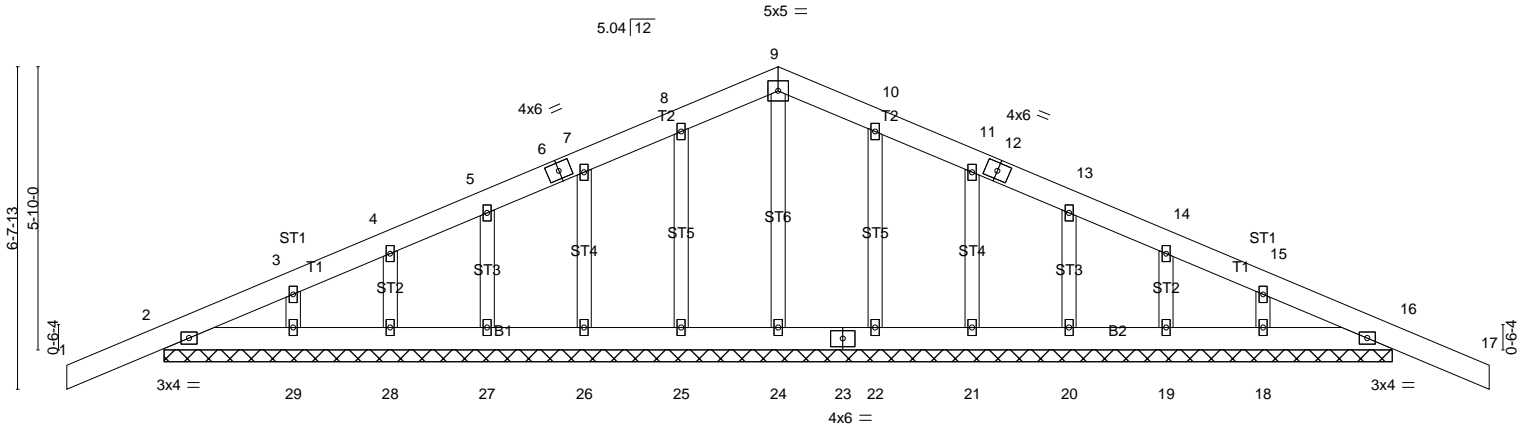
Scale 1/2" = 1'

Job B1122-5490	Truss A1GE	Truss Type GABLE	Qty 1	Ply 1	589 Rainey Dr. / Harnett Co.
Comtech, Inc., Fayetteville, NC 28309, Dwayne Naylor					Job Reference (optional)

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Nov 1 13:26:25 2022 Page 1
ID:0x_qLMyh5?bK7jrZF4dguMyNa30-g4EB8FEX_8?KyOwLy98st5Ouurx7MVqSQau?KYyNZay



Scale = 1:47.5



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.09	Vert(LL) -0.01	17	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.03	Vert(CT) -0.01	17	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.05	Horz(CT) 0.00	16	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S						
							Weight: 178 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP 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.

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

REACTIONS. All bearings 25-4-0.
(lb) - Max Horz 2=124(LC 16)
Max Uplift All uplift 100 lb or less at joint(s) 25, 26, 27, 28, 29, 22, 21, 20, 19, 18 except 2=109(LC 8), 16=114(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 24, 25, 26, 27, 28, 29, 22, 21, 20, 19, 18 except 2=271(LC 1), 16=271(LC 1)

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

NOTES-

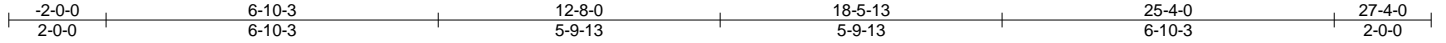
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 12-8-0, Exterior(2) 12-8-0 to 15-8-0, Interior(1) 15-8-0 to 27-4-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 30.0psf 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25, 26, 27, 28, 29, 22, 21, 20, 19, 18 except (jt=lb) 2=109, 16=114.
- 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 B1122-5490	Truss A2	Truss Type FINK	Qty 12	Ply 1	589 Rainey Dr. / Harnett Co. Job Reference (optional)
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Comtech, Inc., Fayetteville, NC 28309, Dwayne Naylor

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Nov 1 13:26:26 2022 Page 1
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Scale = 1:47.5

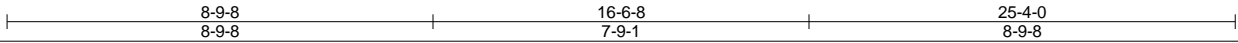
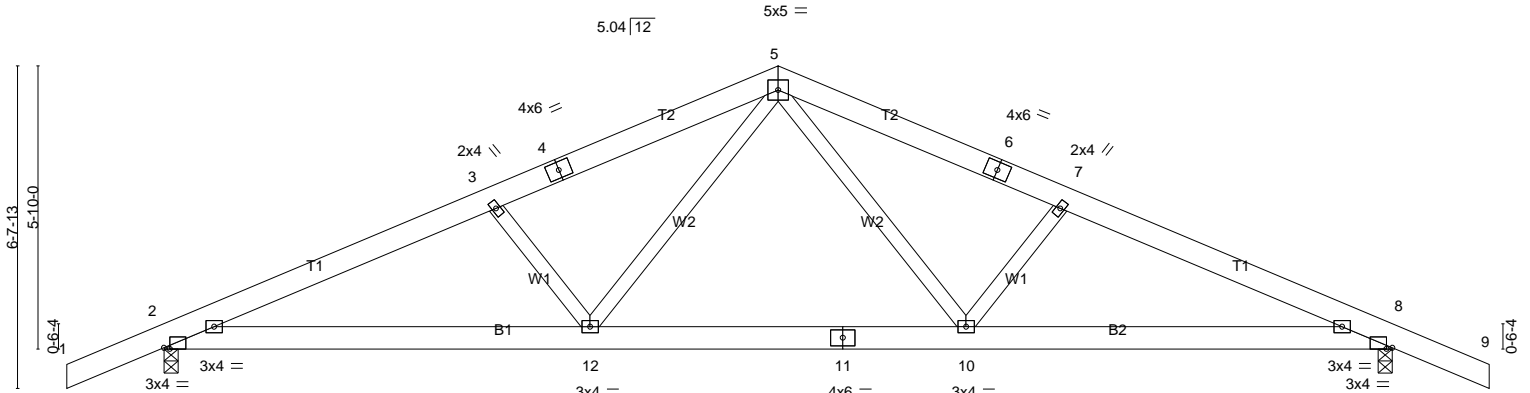


Plate Offsets (X,Y)-- [2:0-1-7,Edge], [8:0-1-7,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.16	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.31	Vert(LL) -0.05 10-12 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.14	Vert(CT) -0.11 8-10 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.03 8 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.04 10-12 >999 240	Weight: 162 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-0 oc purlins.
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. (size) 2=0-3-8 (min. 0-1-8), 8=0-3-8 (min. 0-1-8)
Max Horz 2=74(LC 12)
Max Uplift 2=-94(LC 12), 8=-94(LC 13)
Max Grav 2=1130(LC 1), 8=1130(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1923/381, 3-5=-1686/362, 5-7=-1686/362, 7-8=-1923/381
BOT CHORD 2-12=-231/1694, 10-12=-91/1154, 8-10=-260/1694
WEBS 3-12=-368/205, 5-12=-81/579, 5-10=-81/579, 7-10=-368/205

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 12-8-0, Exterior(2) 12-8-0 to 15-8-0, Interior(1) 15-8-0 to 27-4-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
 - 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

FLOOR PLAN 589 RAINEY DRIVE

ORIGINAL HOUSE

HVAC RETURN

CLOSET

CLOSET

12' x 12' BEDROOM

12' x 10' BEDROOM

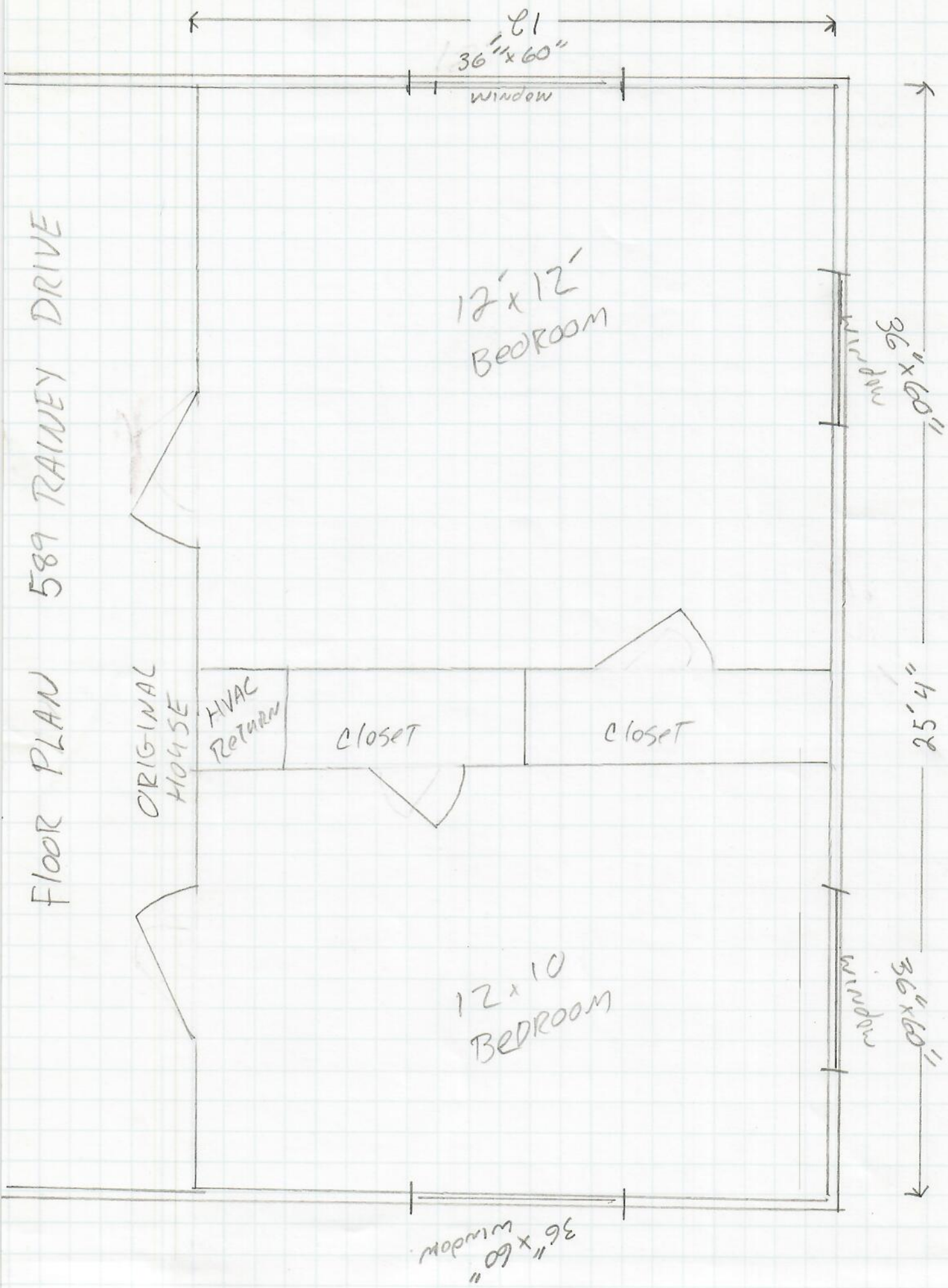
36" x 60" window

36" x 60" window

25' 4"

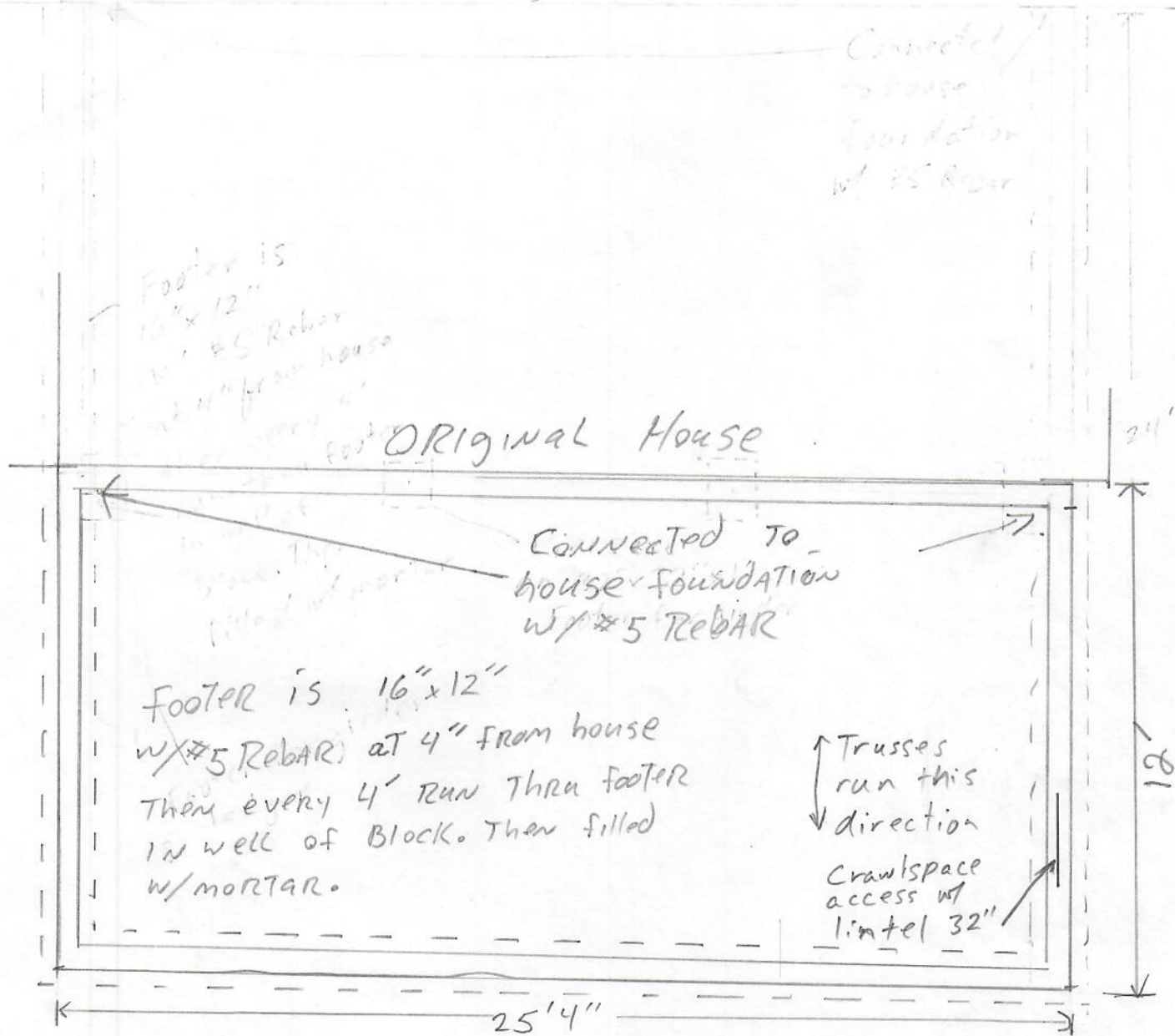
36" x 60" window

36" x 60" window



Foundation Plan

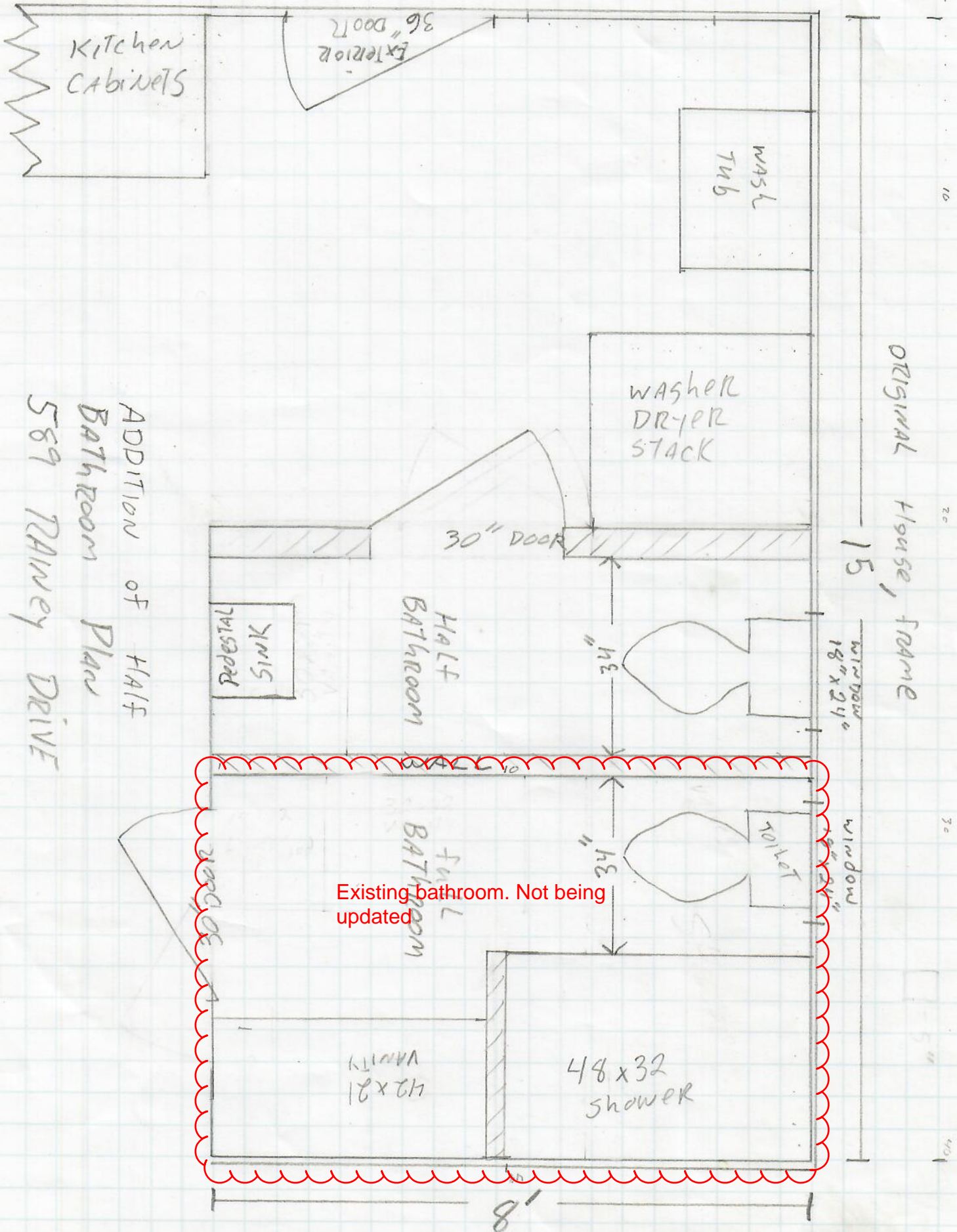
Original house



- L-anchor bolts mortared into block at 1' from corners, then every 6' at least, w/ threads exposed at least 3". Bolts are placed at least 4" from outside wall to provide space for a double band
- Foundation wall is 16"x8" block w/ Type-5 mortar

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Scale $\frac{1}{4}'' = 1'$



ADDITION OF HALF
BATHROOM Plan
589 RAINEY DRIVE

Existing bathroom. Not being updated