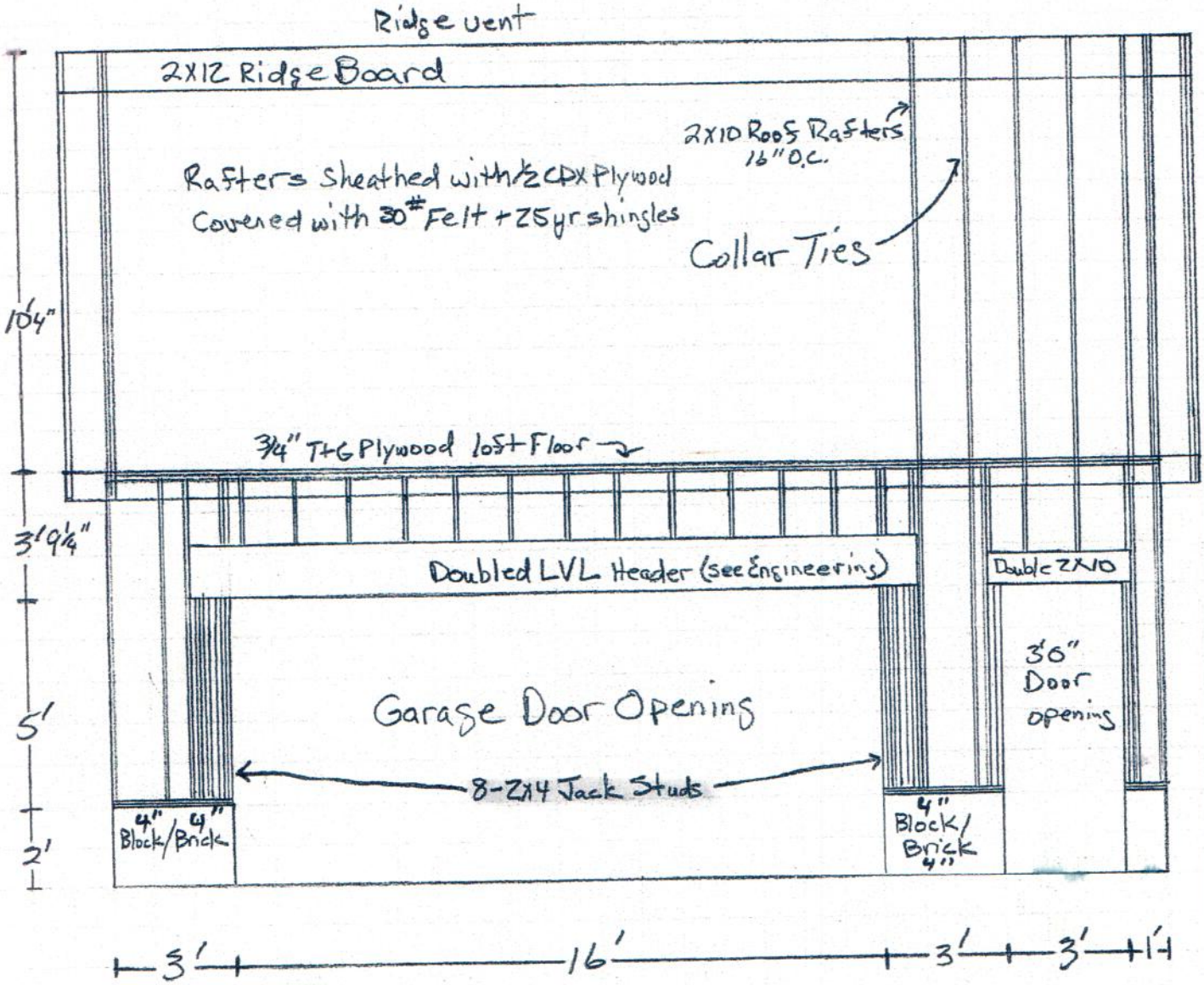
Residence of: Jim + Cathy Stroup
1820 Old US 1 S.
Apex, NC 502
Right Side Elevation

Scale: 1/4" = 1'
Plans by
Steve Wilkins
3228 US 64W
Apex, NC 27523



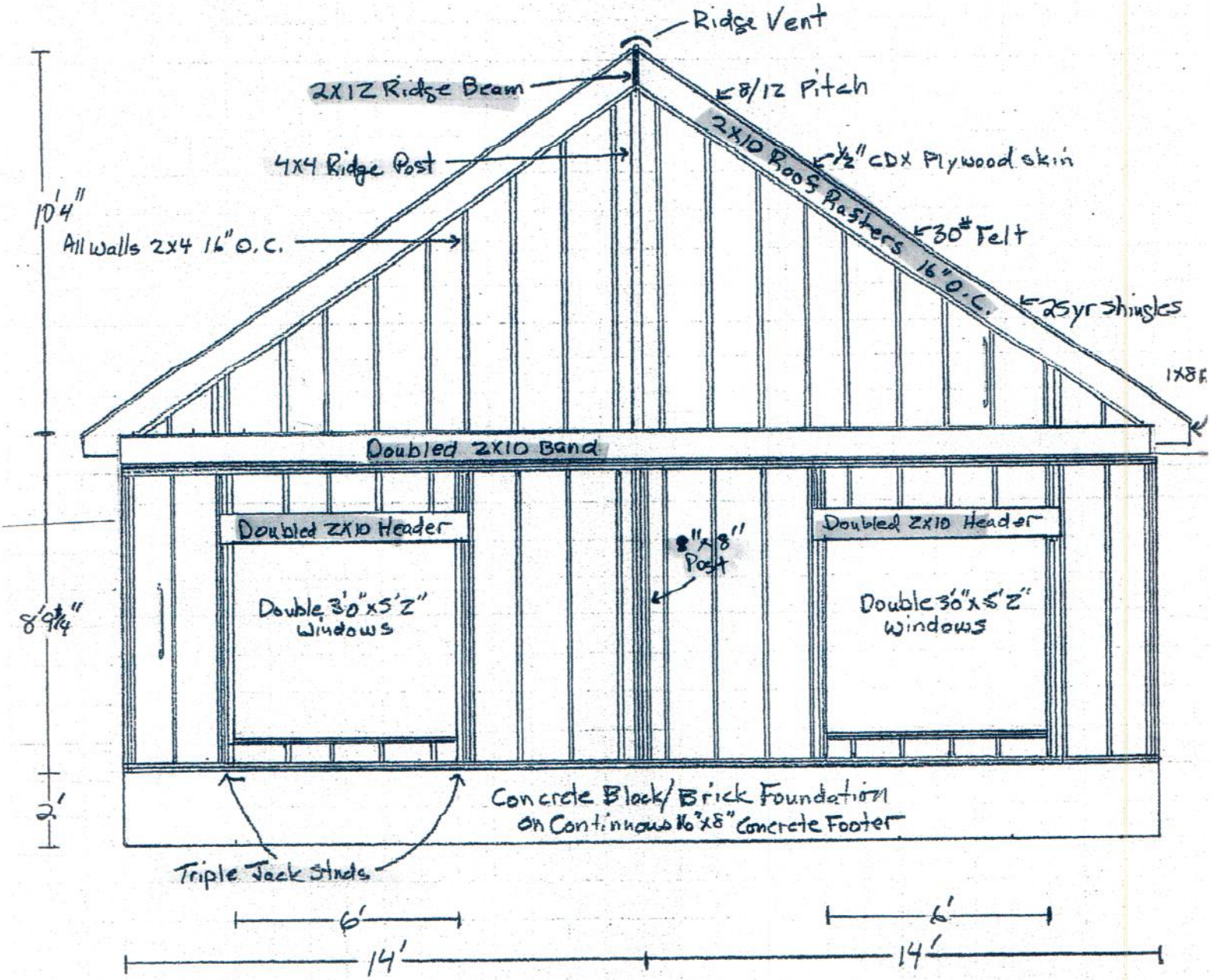
Field Copy
TOWN OF APEX
1820 Old US 1 Hwy S
attached garage
APPROVED
BY:
DATE: 11-14-08

Residence of: Jim + Cathy Stroup
1820 Old 451 S.
Apex, NC 27502

Front Elevation

Scale: 1/4 = 1

Plans by
Steve Wilkins
3228 US 64 W
Apex, NC 27523



Field Copy

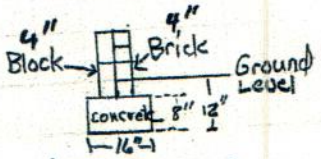
TOWN OF APEX
1820 Old US 1 Hwy
attached garage
APPROVED
BY: MS
DATE: 11-14-08

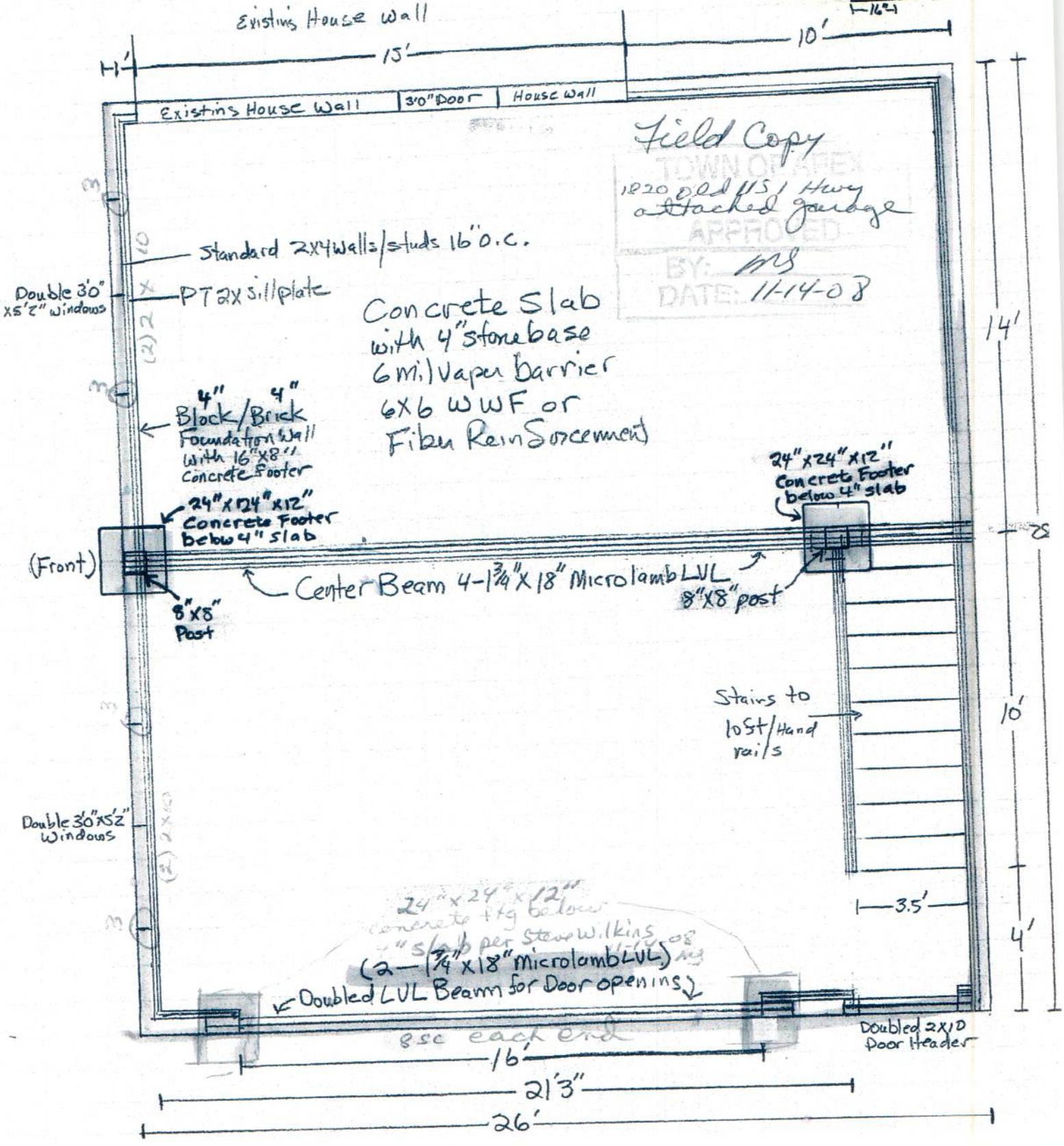
Residence of: Jim + Cathy Stroup
1820 Old US 1S
Apex, NC 27502

Scale: 1" = 1'

28' x 26' Attached Garage: Footer, Foundation, 1st Floor Wall Structure
Foundation Cross Sectio
Continuous Block/Brick

Plans by Steve Wilkins
3228 US 64 W
Apex NC 27523



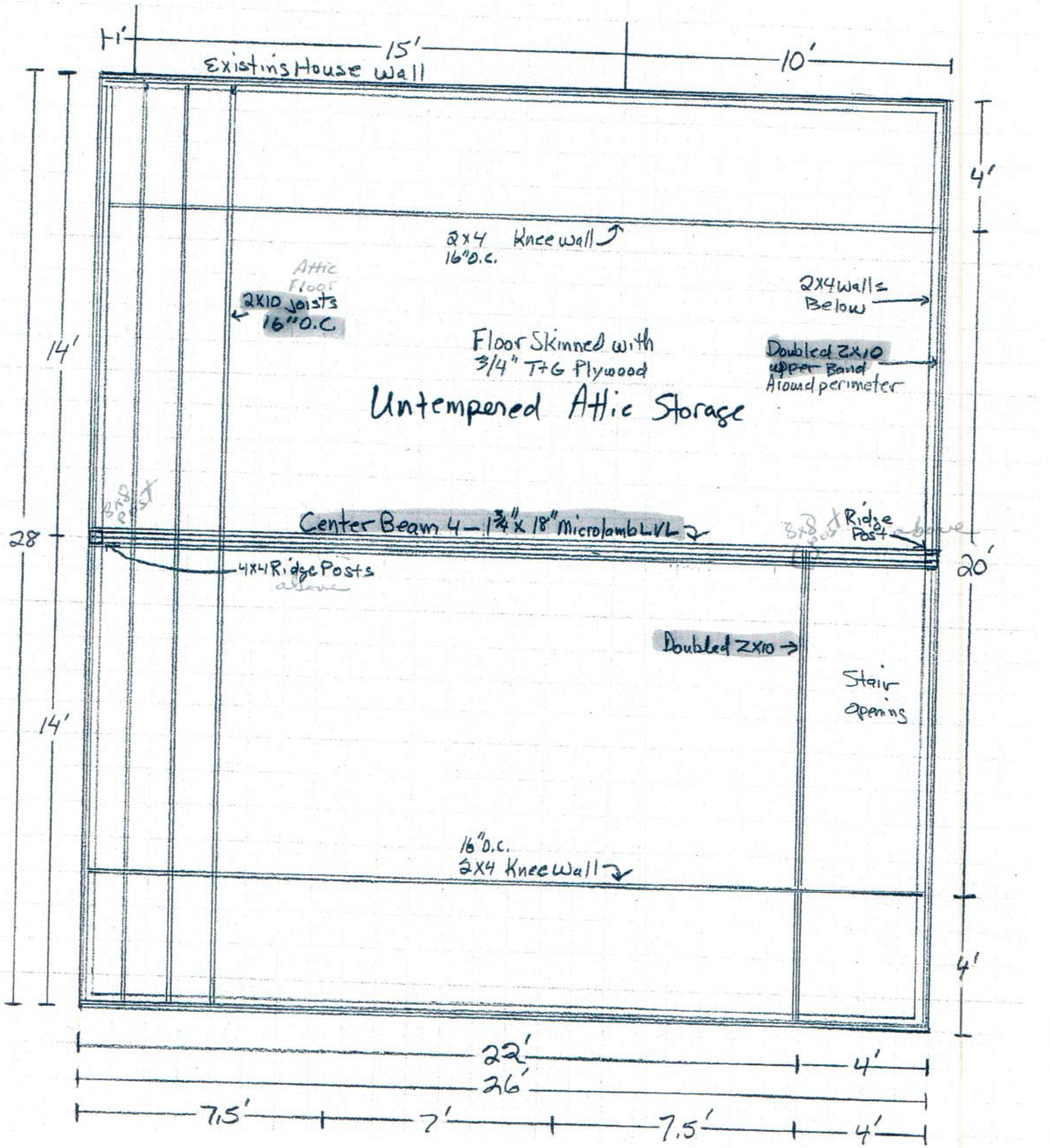


Residence of: Jim + Cathy Stroup
1820 Old US 1 S.
Apex, NC 27502
28' x 26' Attached Garage
Ceiling Joist/Loft Floor Structure

Scale: 1/4" = 1'

Plans by.
Steve Wilkins
3228 US 64 W
Apex, NC 27502

Field Copy
TOWN OF APEX
1820 Old US 1 Stroup attached garage
APPROVED
BY: mj
DATE: 11-14-08

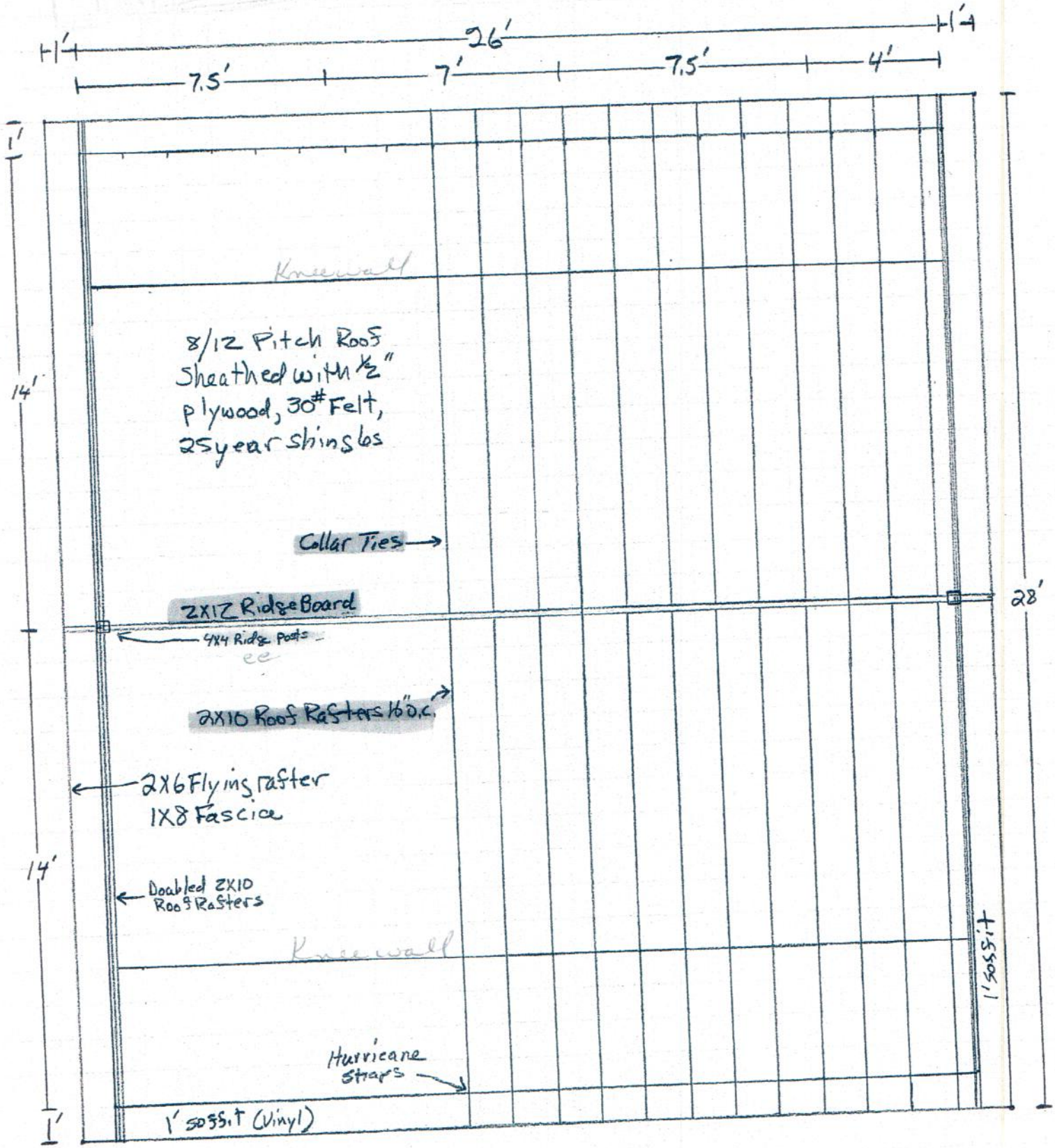


Field Copy
1820 Old US 1 Hwy
attached garage
11-14-08

Residence of: Jim + Cathy Stroup
1820 Old US 15.
Apex, NC 27502
28'x 26' Attached Garage
Roof Structure

Scale: 1/4" = 1'

Plans by
Steve Wilkins
3228 US 64 W
Apex NC 27523

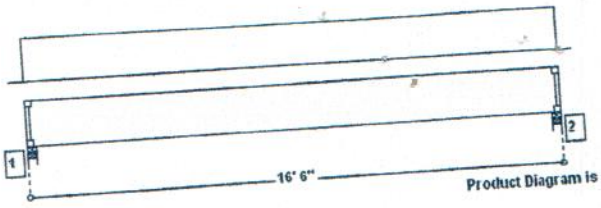


iLevel by Weyerhaeuser

TJ-Beam® 6.30 Serial Number:
User: 2 10/28/2008 4:11:55 PM
Page 1 Engine Version: 6.30.14

2 Pcs of 1 3/4" x 18" 1.9E Microllam® LVL

THIS PRODUCT MEETS OR EXCEEDS THE SET DESIGN CONTROLS FOR THE APPLICATION AND LOADS LISTED



Product Diagram is Conceptual.

LOADS:

Analysis is for a Drop Beam Member. Tributary Load Width: 1'
Primary Load Group - Residential - Living Areas (psf): 40.0 Live at 100 % duration, 12.0 Dead
Vertical Loads:

Type	Class	Live	Dead	Location	Application	Comment
Uniform(plf)	Snow(1.15)	280.0	210.0	0 To 16' 6"	Adds To	14' Roof Load @ 20/15
Uniform(plf)	Floor(1.00)	312.0	146.0	0 To 16' 6"	Adds To	Floor Load

SUPPORTS:

		Input Width	Bearing Length	Vertical Reactions (lbs) Live/Dead/Uplift/Total	Detail	Other
1	Stud wall	3.50"	5.64"	5214 / 3180 / 0 / 8394	L1: Blocking	1 Ply 1 1/4" x 18" 1.3E TimberStrand® LSL
2	Stud wall	3.50"	5.64"	5214 / 3180 / 0 / 8394	L1: Blocking	1 Ply 1 1/4" x 18" 1.3E TimberStrand® LSL

-See iLevel® Specifier's/Builder's Guide for detail(s): L1: Blocking
-Bearing length requirement exceeds input at support(a) 1, 2. Supplemental hardware is required to satisfy bearing requirements.

DESIGN CONTROLS:

	Maximum	Design	Control	Result	Location
Shear (lbs)	8224	-6571	13766	Passed (48%)	Rt. end Span 1 under Snow loading
Moment (Ft-Lbs)	33239	33239	44566	Passed (75%)	MID Span 1 under Snow loading
Live Load Defl (in)		0.340	0.539	Passed (L/570)	MID Span 1 under Snow loading
Total Load Defl (in)		0.548	0.808	Passed (L/354)	MID Span 1 under Snow loading

-Deflection Criteria: STANDARD(LL:L/360,TL:L/240).
-Bracing(Lu): All compression edges (top and bottom) must be braced at 4' 8" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

ADDITIONAL NOTES:

-IMPORTANT! The analysis presented is output from software developed by iLevel®. iLevel® warrants the sizing of its products by this software will be accomplished in accordance with iLevel® product design criteria and code accepted design values. The specific product application, input design loads, and stated dimensions have been provided by the software user. This output has not been reviewed by an iLevel® Associate.
-Not all products are readily available. Check with your supplier or iLevel® technical representative for product availability.
-THIS ANALYSIS FOR iLevel® PRODUCTS ONLY! PRODUCT SUBSTITUTION VOIDS THIS ANALYSIS.
-Allowable Stress Design methodology was used for Building Code UBC analyzing the iLevel® Distribution product listed above.
-Note: See iLevel® Specifier's/Builder's Guide for multiple ply connection.

PROJECT INFORMATION:

Jim & Cathy Stroup
1820 Old US
Apex, NC 27502

OPERATOR INFORMATION:

Stock Building Supply
Phone : (919) 926-5027

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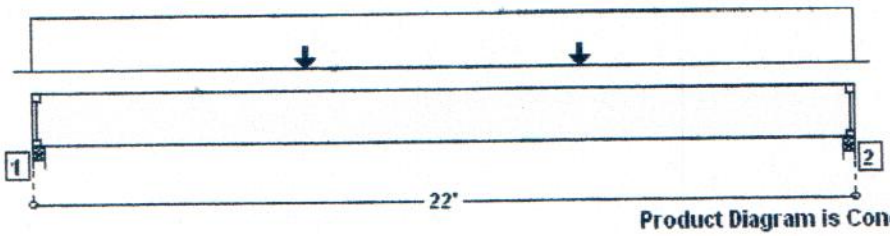
iLevel by Weyerhaeuser

TJ-Beam® 6.30 Serial Number:
User: 2 10/27/2008 4:43:51 PM
Page 1 Engine Version: 6.30.14

Garage Center Beam

4 Pcs of 1 3/4" x 18" 1.9E Microllam® LVL

THIS PRODUCT MEETS OR EXCEEDS THE SET DESIGN CONTROLS FOR THE APPLICATION AND LOADS LISTED



Product Diagram is Conceptual.

LOADS:

Analysis is for a Drop Beam Member. Tributary Load Width: 1'
Primary Load Group - Residential - Living Areas (psf): 40.0 Live at 100 % duration, 12.0 Dead
Vertical Loads:

Type	Class	Live	Dead	Location	Application	Comment
Point(lbs)	Floor(1.00)	1683	1515	7' 4"	-	PL From Ridge Beam
Point(lbs)	Floor(1.00)	1555	1362	14' 8"	-	PL From Ridge Beam
Uniform(plf)	Floor(1.00)	308.0	99.0	0 To 22'	Adds To	Floor Load
Uniform(plf)	Floor(1.00)	308.0	99.0	0 To 22'	Adds To	Floor Load

SUPPORTS:

		Input Width	Bearing Length	Vertical Reactions (lbs) Live/Dead/Uplift/Total	Detail	Other
1	Stud wall	3.50"	4.37"	8857 / 4157 / 0 / 13014	L1: Blocking	1 Ply 1 1/4" x 18" 1.3E TimberStrand® LSL
2	Stud wall	3.50"	4.34"	8813 / 4105 / 0 / 12919	L1: Blocking	1 Ply 1 1/4" x 18" 1.3E TimberStrand® LSL

-See iLevel® Specifier's/Builder's Guide for detail(s): L1: Blocking
-Bearing length requirement exceeds input at support(s) 1, 2. Supplemental hardware is required to satisfy bearing requirements.

DESIGN CONTROLS:

	Maximum	Design	Control	Result	Location
Shear (lbs)	12864	11400	23940	Passed (48%)	Lt. end Span 1 under Floor loading
Moment (Ft-Lbs)	74776	74776	77506	Passed (96%)	MID Span 1 under Floor loading
Live Load Defl (in)		0.707	0.722	Passed (L/368)	MID Span 1 under Floor loading
Total Load Defl (in)		1.057	1.083	Passed (L/246)	MID Span 1 under Floor loading

-Deflection Criteria: STANDARD(LL:L/360,TL:L/240).
-Bracing(Lu): All compression edges (top and bottom) must be braced at 3' 7" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

ADDITIONAL NOTES:

-IMPORTANT! The analysis presented is output from software developed by iLevel®. iLevel® warrants the sizing of its products by this software will be accomplished in accordance with iLevel® product design criteria and code accepted design values. The specific product application, input design loads, and stated dimensions have been provided by the software user. This output has not been reviewed by an iLevel® Associate.
-Not all products are readily available. Check with your supplier or iLevel® technical representative for product availability.
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-Note: See iLevel® Specifier's/Builder's Guide for multiple ply connection.

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1820 Old US 1 S.
Apex, NC 27502

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Phone : (919) 926-5027

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