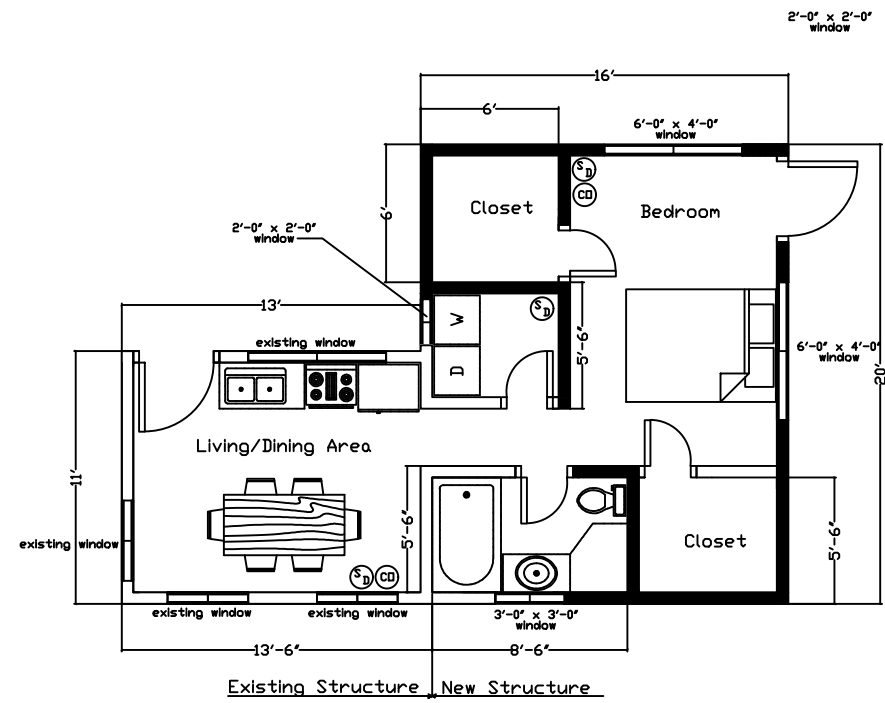
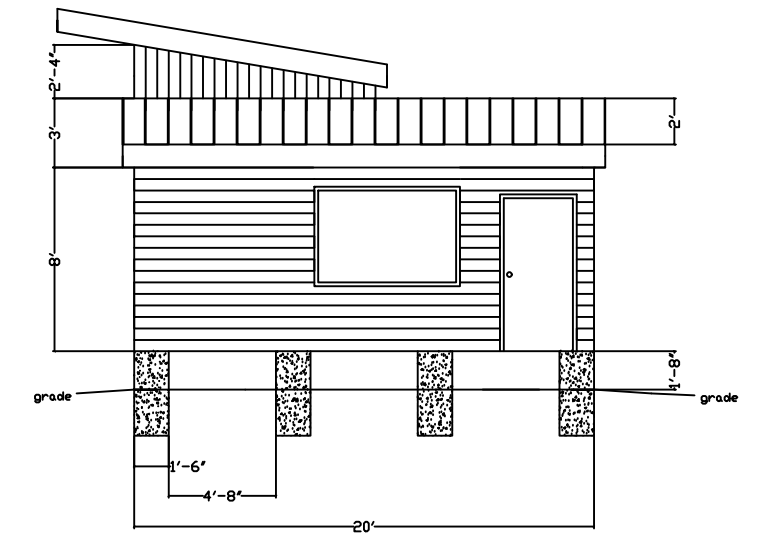


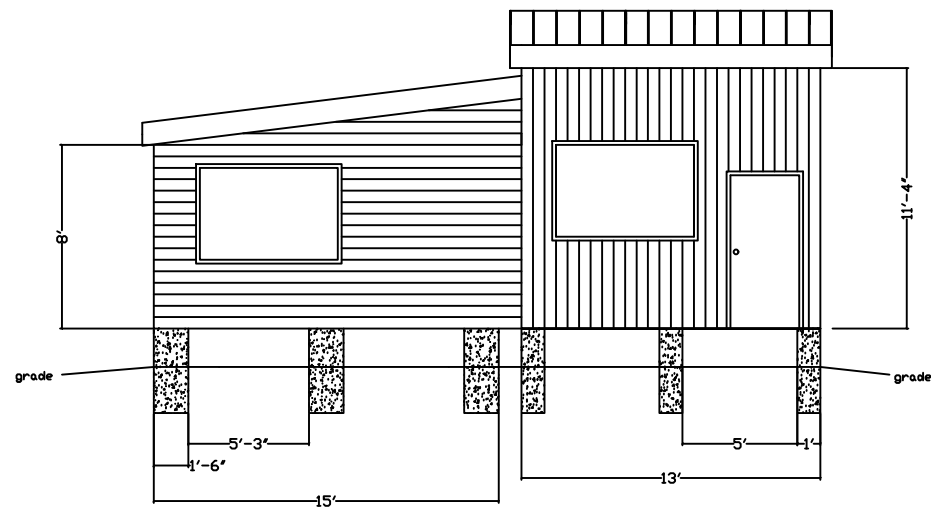
South Elevation



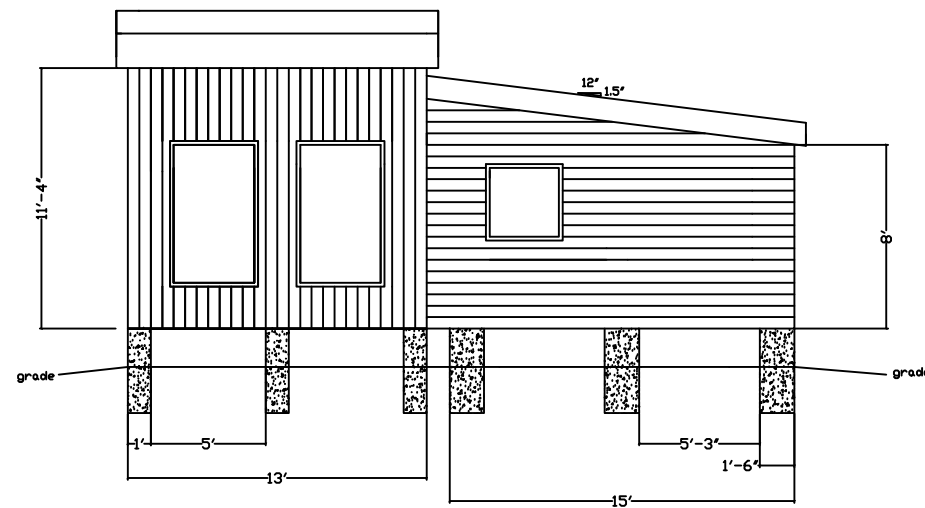
Plan View



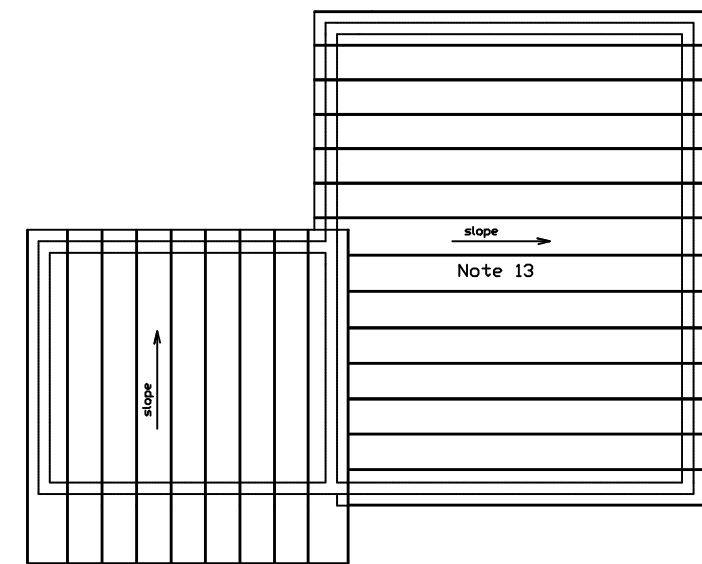
North Elevation



West Elevation



East Elevation

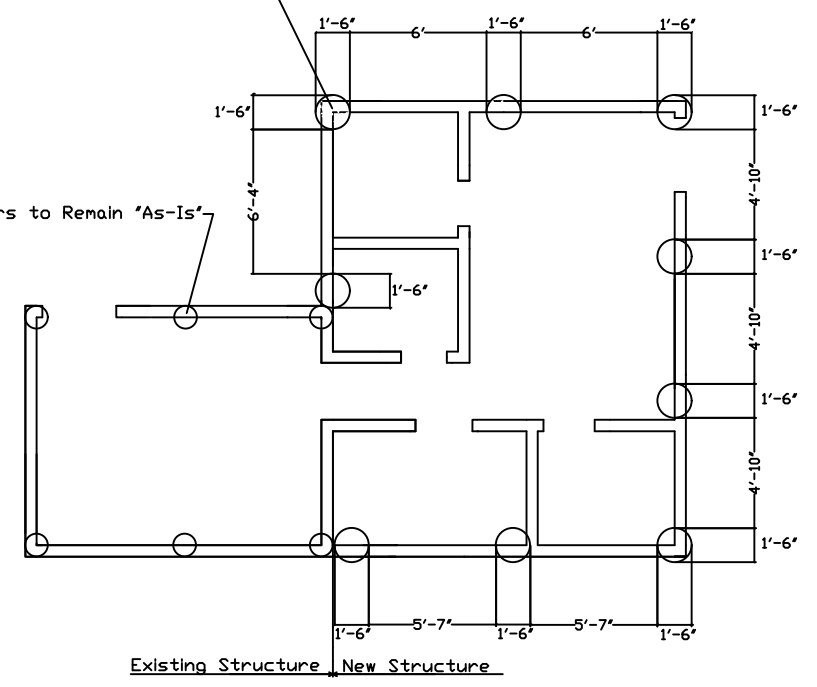


Roof Plan

REVISION: Δ		REVISION: Δ		REVISION: Δ		DATE: _____		DATE: _____		DATE: _____		DATE: _____		REV: _____		RELEASED FOR: _____		BY: _____	
Client Example Guffy, Colorado										LOCAL DWG NO:		DRAWN: Joe Lovett		DATE: 2/10/2020		APPROVED:		SCALE: 1/4" = 1'-0"	
Plan and Elevations Addition to Existing Structure 2/2020										LOCATION NUMBER:		PROJECT NUMBER:		SCE-20-01		Southern Colorado Engineering			

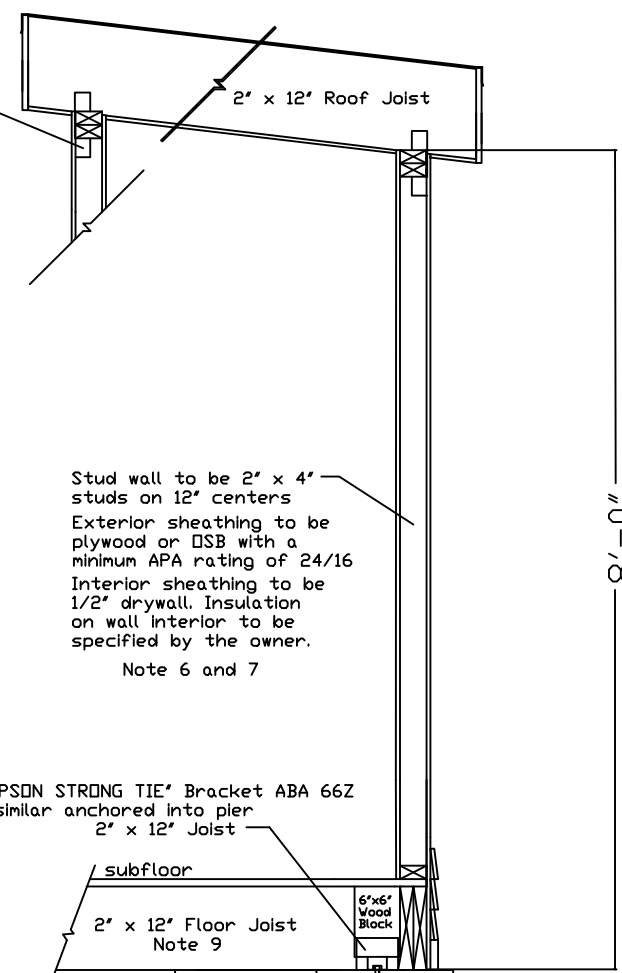
Nine (9) New Piers to be Located as Shown

Six (6) Existing Piers to Remain "As-Is"



Foundation Plan

"SIMPSON STRONG TIE" Bracket H2A or similar to connect the double upper plate to the vertical studs and 2" x 12" roof joists. Note 8



Wall & Foundation Section View

Section "B-B"

Existing Structure

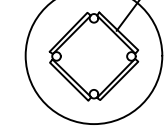
New Structure

Section "A-A"
(reference roof joist plan view)

This section to show new interior wall to support the 2" x 12" roof joists where the new addition meets the existing structure

"SIMPSON STRONG TIE" Bracket H2A or similar to connect the double upper plate to the vertical studs and 2" x 12" roof joists. Note 8

Horizontal reinforcement See Note 2



Stud wall to be 2" x 4" studs on 12" centers
Exterior sheathing to be plywood or OSB with a minimum APA rating of 24/16
Interior sheathing to be 1/2" drywall. Insulation on wall interior to be specified by the owner.
Note 6 and 7

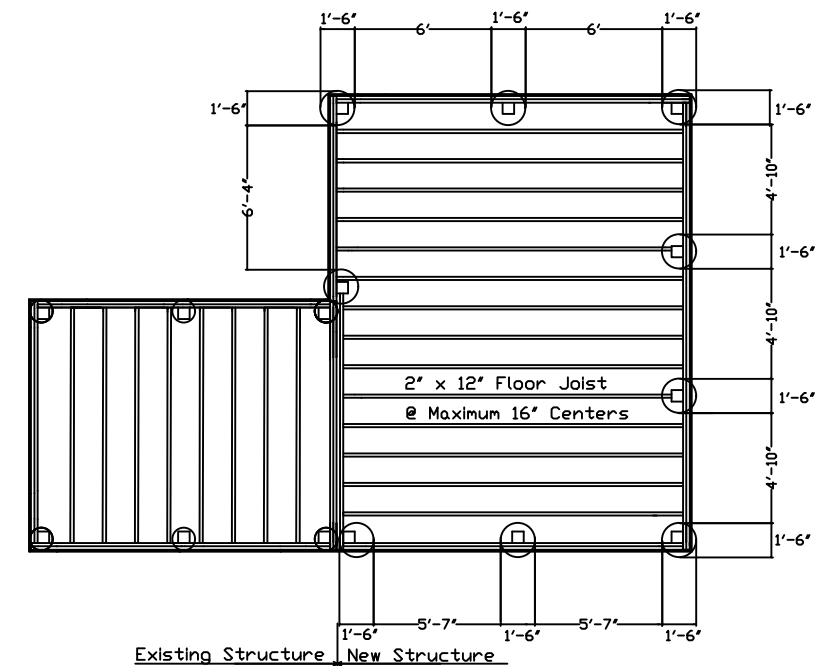
"SIMPSON STRONG TIE" Bracket ABA 66Z or similar anchored into pier 2" x 12" Joist

subfloor
2" x 12" Floor Joist Note 9

Note 1
grade
Min 24"

See Notes 2, 3, and 4 for reinforcement details

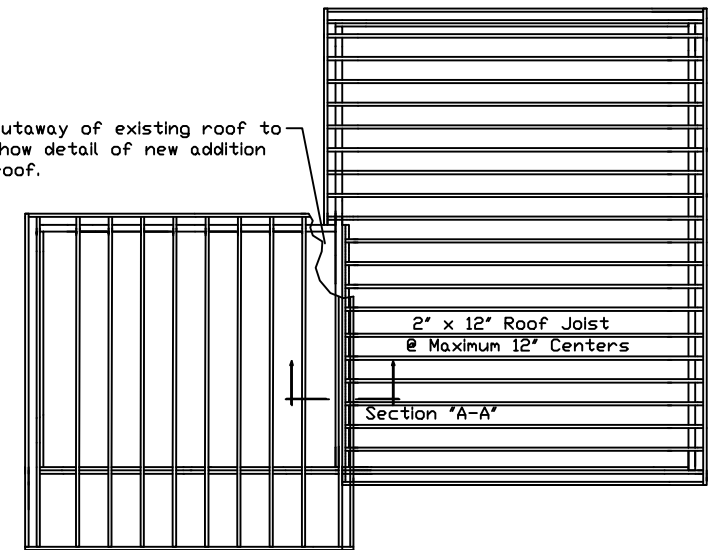
Vertical reinforcement See Note 2



Existing Structure New Structure

Floor Joist Plan View

Cutaway of existing roof to show detail of new addition roof.



Existing Structure New Structure

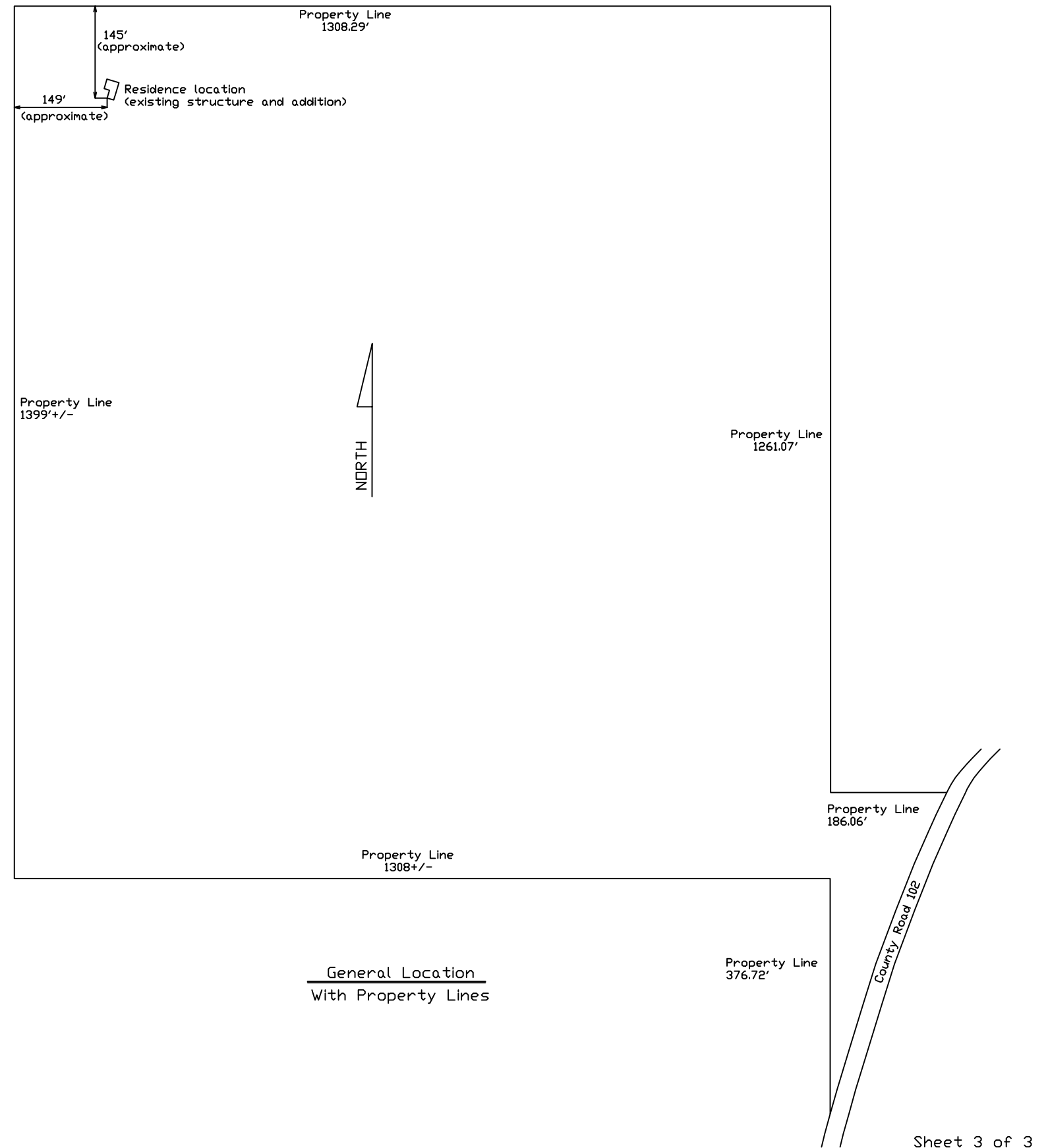
Roof Joist Plan View

REVISION	DATE	BY	REASON

Client Example Guffy, Colorado	LOCAL DWS No:
Foundation Plan and Floor/Roof Joists Addition to Existing Structure 2/2020	DRAWN: Joe Lovett
Southern Colorado Engineering	DATE: 2/10/2020
	APPROVED:
	SCALE: 1/4" = 1'-0"
	LOCATION NUMBER:
	PROJECT NUMBER: SCE-20-02

NOTES:

1. Foundation piers shown on sheets 1 and 2 are shown with approximately 20' from top of grade to top of pier. This clearance from grade to top of pier will vary depending on ground contour. Distance from ground to top of concrete pier is to be a minimum of 6", and depth of pier below ground level will be a minimum of 24".
2. New concrete piers to have four (4) vertical #5 rebar pieces and four (4) horizontal #5 rebar pieces as shown. All reinforcement rebar to be a minimum of three (3) inches from the edge of concrete. Piers to be round or square at owners discretion.
3. A 5/8" diameter "J" bolt to be embedded in the pier as shown. The bolt is to be embedded into the concrete a minimum of 7" and adequate threads are to protrude above the top of the concrete to allow full thread engagement of a nut when tightened on the mounting bracket (see note 4).
4. A mounting bracket for a 6" x 6" block is to be place on the top of the pier and bolted in place. Mounting bracket to be "Simpson Strong-Tie ABA66Z" or similar and installed per manufacturers instructions.
5. Concrete is to have minimum strength of 3000 PSI. If mixed onsite by owner then a mix ratio of 1 : 2 : 2 (cement : sand : 3/4" crushed stone) is to be used.
6. Exterior and interior walls to be of 2" x 4" construction with the interior of the wall finished with minimum 1/2" thick gypsum drywall, and the exterior to be sheathed with plywood or OSB with a min APA rating of 24/16.
7. Exterior stud walls to be constructed with 2" x 4" wood studs located on 12" centers. Interior walls can be constructed at 16" centers at the owners discretion.
8. Install metal connectors at stud wall to roof joist connections on both ends of the joist as shown. Connectors to be "Simpson Strong Tie H2A" or similar. The bracket is to anchor to the stud, double top plate, and roof joist and may be placed either on the interior or the exterior of the wall at the owners discretion.
9. Floor joists to be attached to rim joists using "Simpson Strong Tie LUS 28Z" connector or similar. These connectors not shown in the wall and foundation section view for clarity. These connectors are to be installed as was done in the existing structure.
10. All wood materials to be #2 Hem Fir or better.
11. All exterior sheathing to be plywood or OSB with a minimum APA rating of 24/16.
12. Solid blocking is to be provided between all of the roof joists. Not shown on the drawing for clarity.
13. Metal roof by owner. Due to slope all joints are to have lap sealant applied.
14. Smoke detectors and Carbon Monoxide detectors noted as follows on the plan view sheet 1 of 3; Ⓢ Ⓣ



Sheet 3 of 3

Client Example Guffy, Colorado				LOCAL DWG NO:	
				DRAWN: Joe Lovett	
				DATE: 2/10/2020	
				APPROVED:	
				SCALE: 1 inch = 100 Feet	
				LOCATION NUMBER:	
Notes and General Location Addition to Existing Structure 2/2020				PROJECT NUMBER:	
				SCE-20-03	
Southern Colorado Engineering					

REVISION:	REVISION:	REVISION:	DATE:	REV	RELEASED FOR	BY