

Applicant/Owner:
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21530 Almaden Rd.
San Jose, CA 95120
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Engineer:
Allen Andrade LS7741, RCE 58384
MH Engineering
16075 Vineyard Blvd.
Morgan Hill, CA 95037
408.779.7381
allena@mhengineering.com

Project Information:

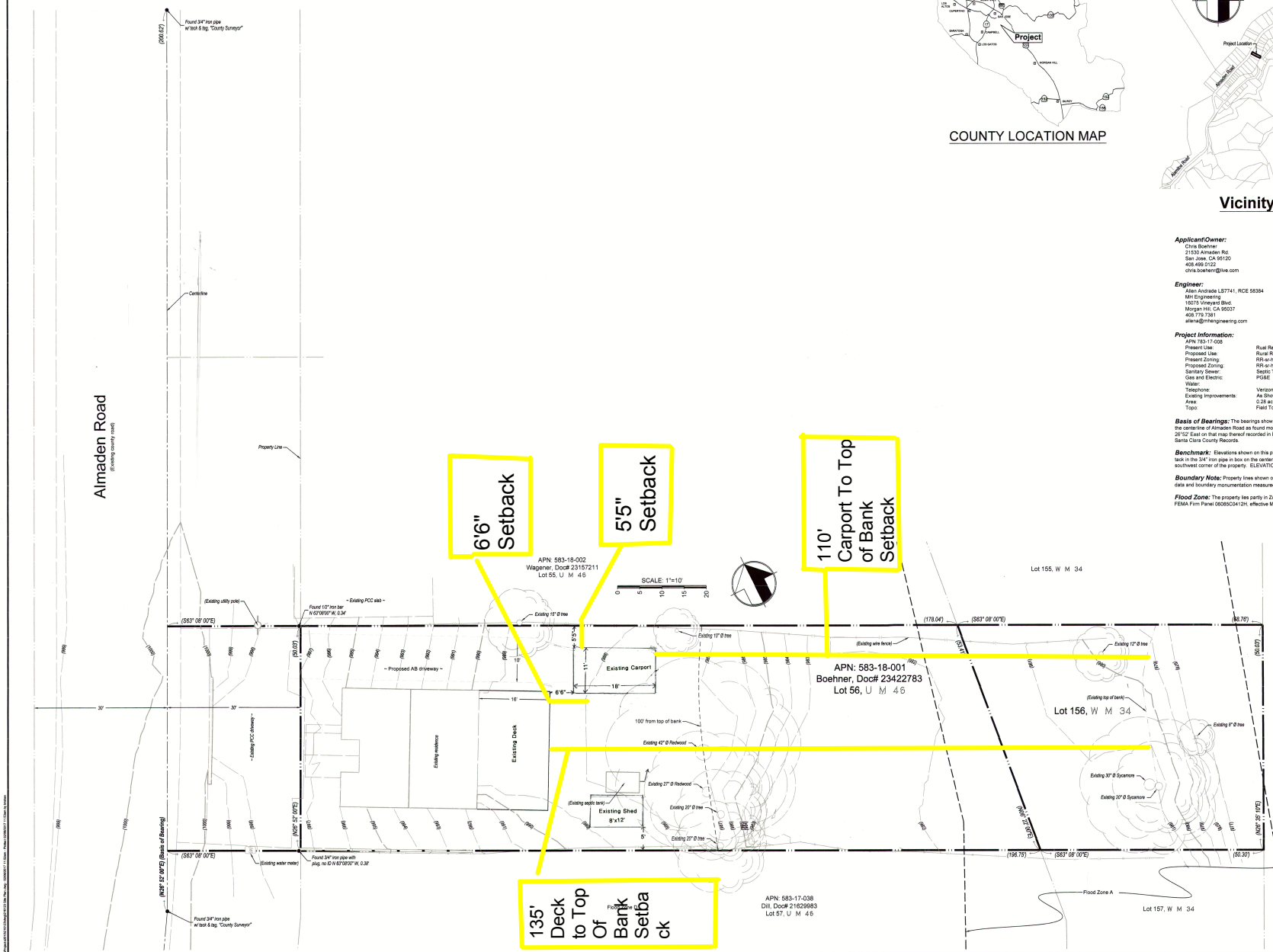
APN 783-17-008	
Present Use:	Rural Residential
Proposed Use:	Rural Residential
Present Zoning:	RR-sr-h1
Proposed Zoning:	RR-sr-h1
Sanitary Sewer:	Septic Tank System
Gas and Electric:	PG&E
Water:	
Telephone:	Verizon
Existing Improvements:	As Shown
Area:	0.25 ac
Topo:	Field Topo

Basis of Bearings: The bearings shown upon this map are based on the centerline of Almaden Road as found monumented and recorded as North 26°52' East on that map thereof recorded in Book U of Maps, Page 046, Santa Clara County Records.

Benchmark: Elevations shown on this plan are based on the top of the tack in the 3/4" iron pipe in box on the centerline of Almaden Road at the southwest corner of the property. ELEVATION = 1000.00'. (assumed)

Boundary Note: Property lines shown on this plan are based on record data and boundary monumentation measured to date.

Flood Zone: The property lies partly in Zone D and partly in Zone A per FEMA Firm Panel 06085C0412H, effective May 18, 2009.



CHRIS BOEHNER
21530 ALMADEN RD.
SAN JOSE, CA 95120

SCOPE OF WORK:

Partially abate VIO #1994-71: Permit to legalize roof pitch change 1233 SF

INDEX OF DRAWINGS:

1. Cover sheet
2. Site plan
3. Existing floor plans
4. Foundation and roof framing
5. Existing elevation
6. Old vs New roof slope
7. Structural details and fastening system

Santa Clara County REBUILD Determination
and Points Allocation

A. Existing Residence

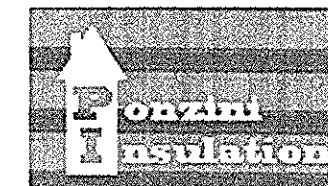
	Replaced/		Ratio	Maximum Points	Resulting Points
	Existing L.F.	Modified L.F.			
1 Foundation - Perimeter	116	0	0.000	25	0.00
2 Slab	N/A				
	Replaced/		Ratio	Maximum Points	Resulting Points
	Existing L.F.	Modified L.F.			
3 Walls - All walls in linear feet	312	0	0.000	50	0.00
	Replaced/		Ratio	Maximum Points	Resulting Points
	Existing S.F.	Modified S.F.			
4 Roof	1086	750	0.691	25	17.27

Existing Residence Sub-total 17.27

B. Proposed Additions

Area in S.F.	Ratio 1 pt/ 40 S.F.	Sub-Total Points
0	0	0

TOTAL POINT ALLOCATION 17.27



P.O. Box 1055
San Juan Bautista, CA 95045
Contractor's License #635993
Office: 831-623-2212 Fax: 831-623-4704

Insulation Certificate

21530 ALMADEN RD
Number and Street
SAN JOSE
City
County Subdivision Lot Number

Description of Installation

Ceiling
Batt or Blanket Type: HYBRID (SPRAY FOAM/BATT) Brand Name: John's Manville
Thickness (inches): (2"/5.5") Thermal Resistance (R-value): (14/19) TOTAL 33
Spray Foam Type: Brand Name:
Loose Fill Type: Minimum Thickness (inches):
Installed weight/ft²: Thermal Resistance (R-value):
Exterior Wall
Material: FIBERGLASS Brand Name: John's Manville
Thickness (inches): 5.5, 3.5 Thermal Resistance (R-value): 19, 13
Raised Floor
Material: FIBERGLASS Brand Name: John's Manville
Thickness (inches): 5.5 Thermal Resistance (R-value): 19

Declaration:

I hereby certify that the above insulation was installed in the building at the above location in conformance with the current Building Energy Efficiency Standards for new residential buildings contained in Title 24 of the California Administrative Code.

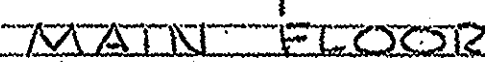
General Contractor (Builder) License Number
Signature Date
Ponzi Insulation, Inc. 635993
Sub-Contractor (Insulation Installer) License Number
Michael Ponzi 3/13/2019
Signature Date

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SAN JOSE, CA 95120

SHEET

1

OF 7



TOTAL SQ. FT. 1232

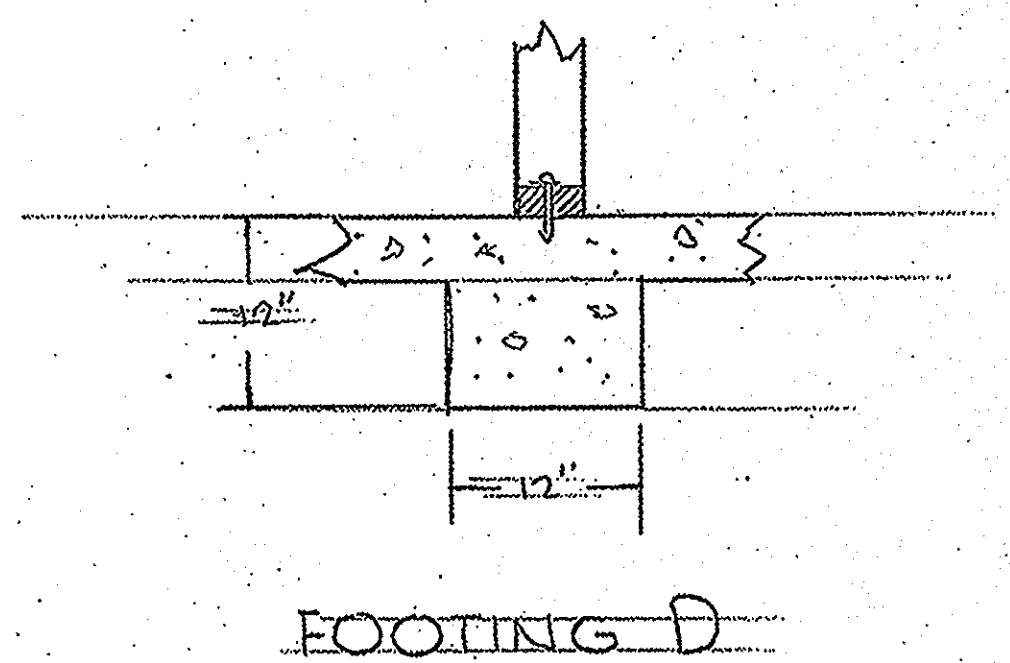
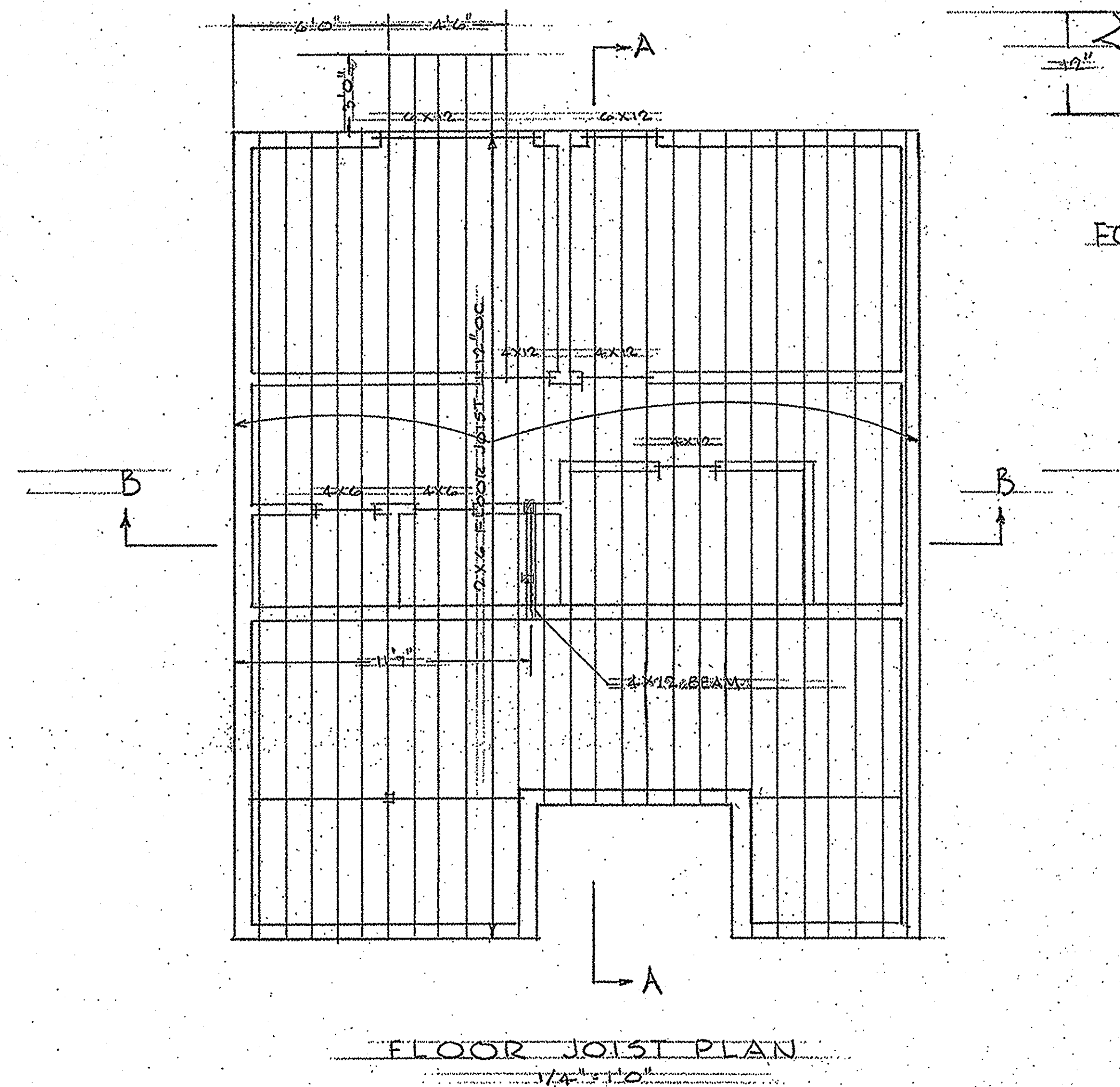
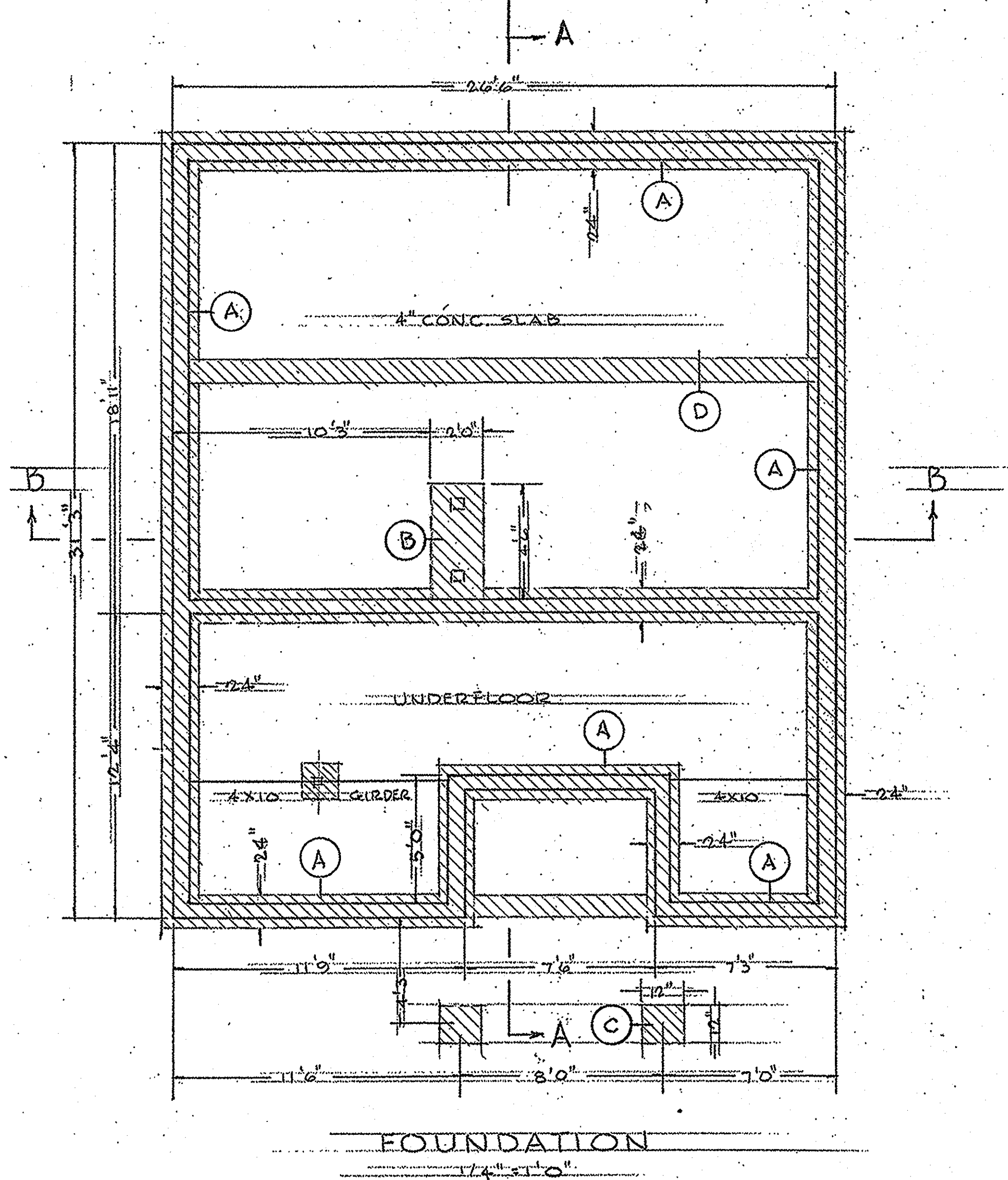
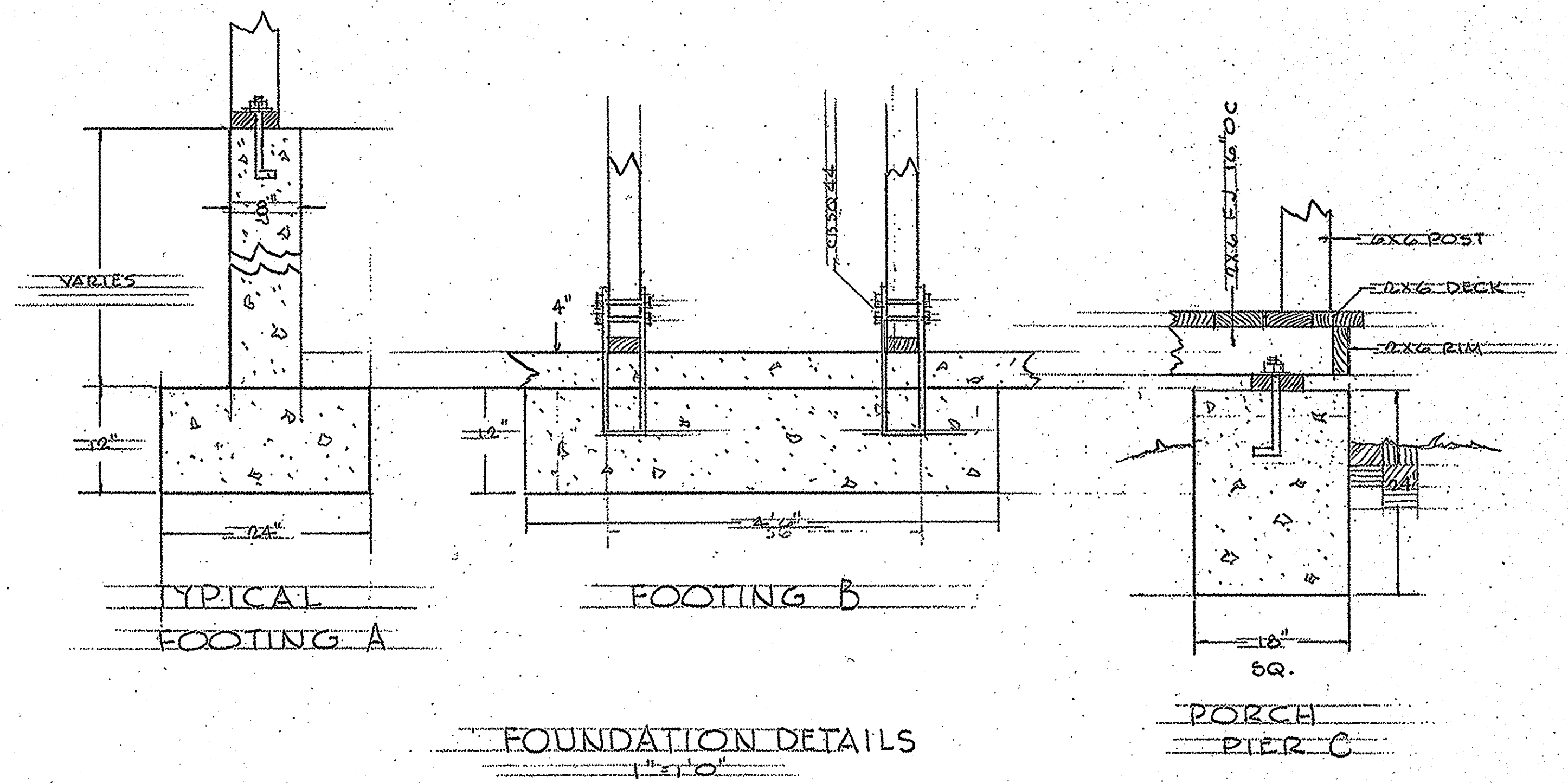
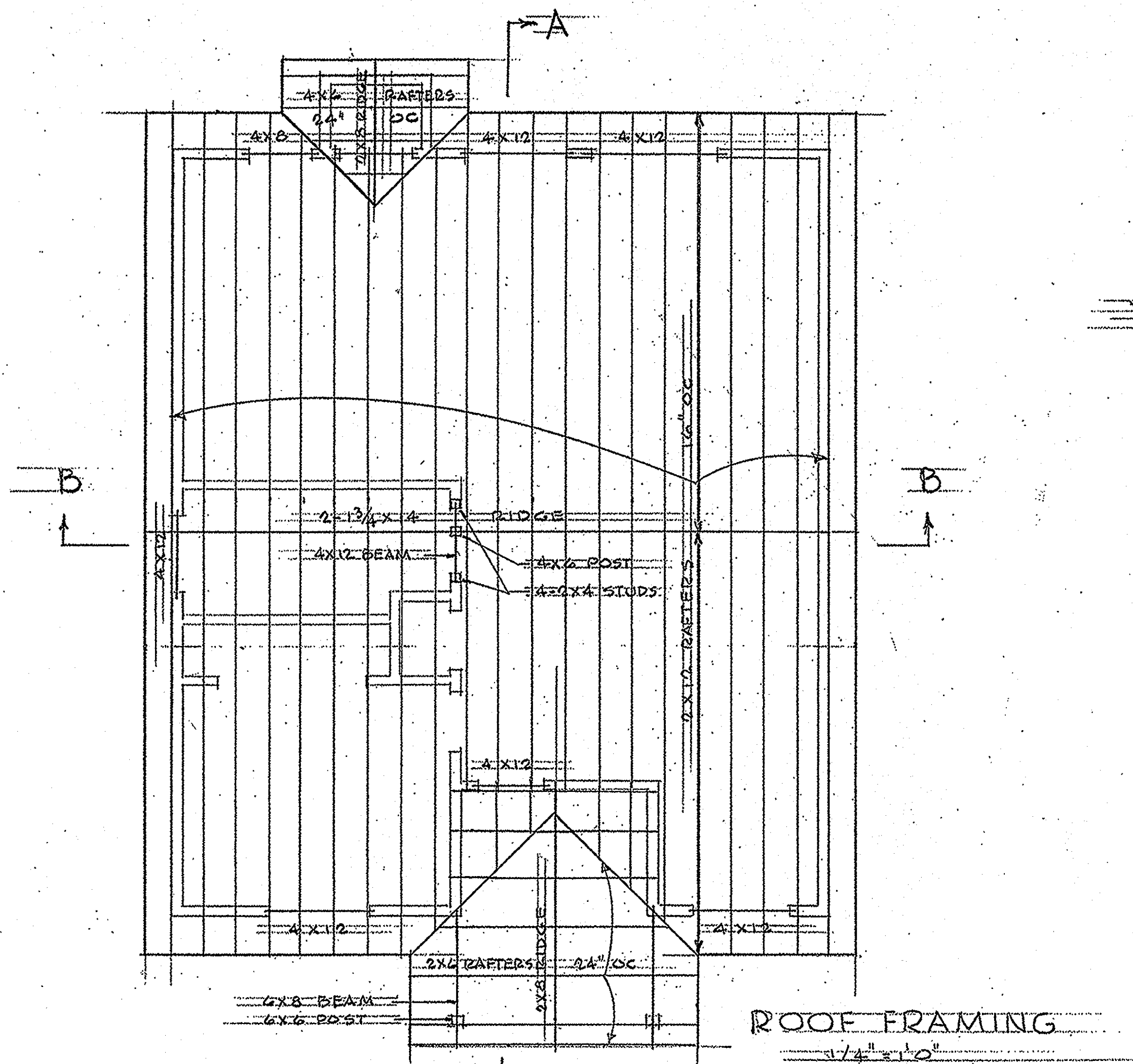
Existing Floor Plan

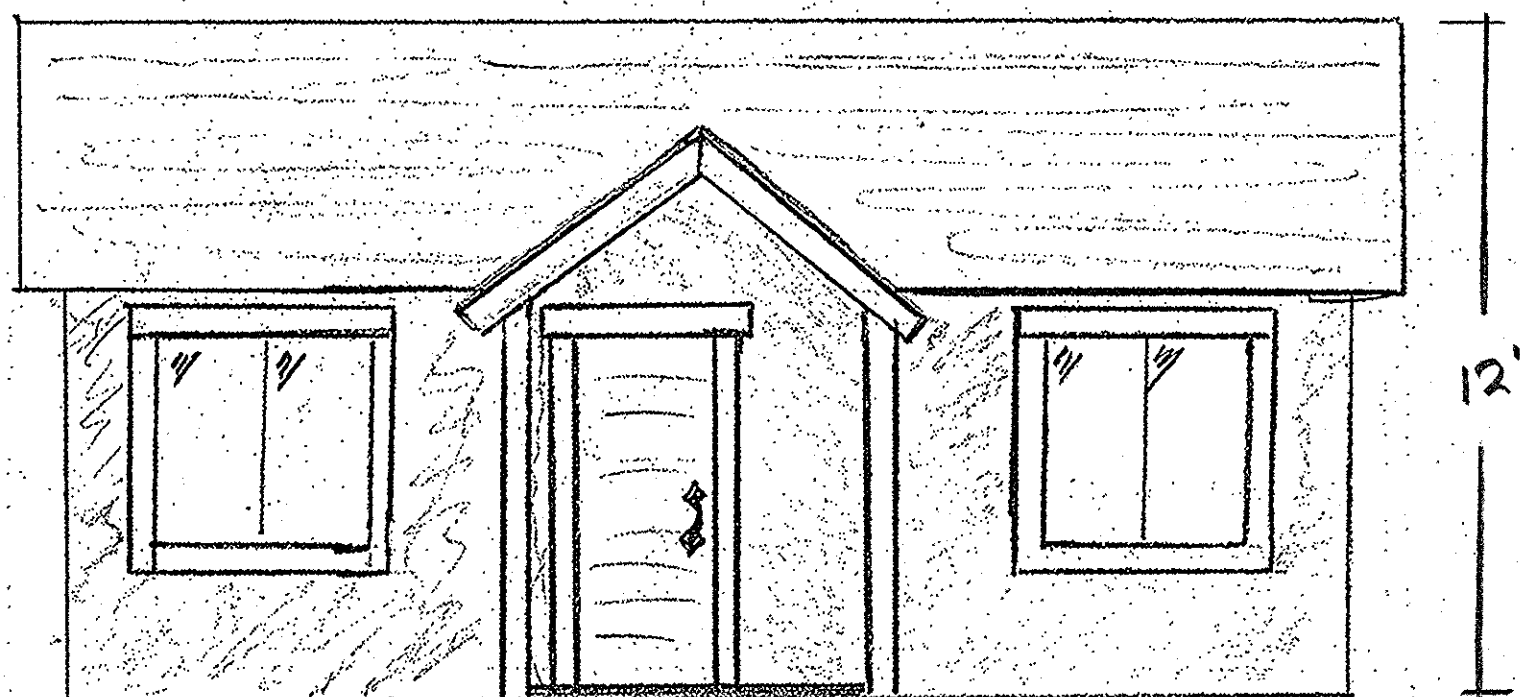
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SHEET

3

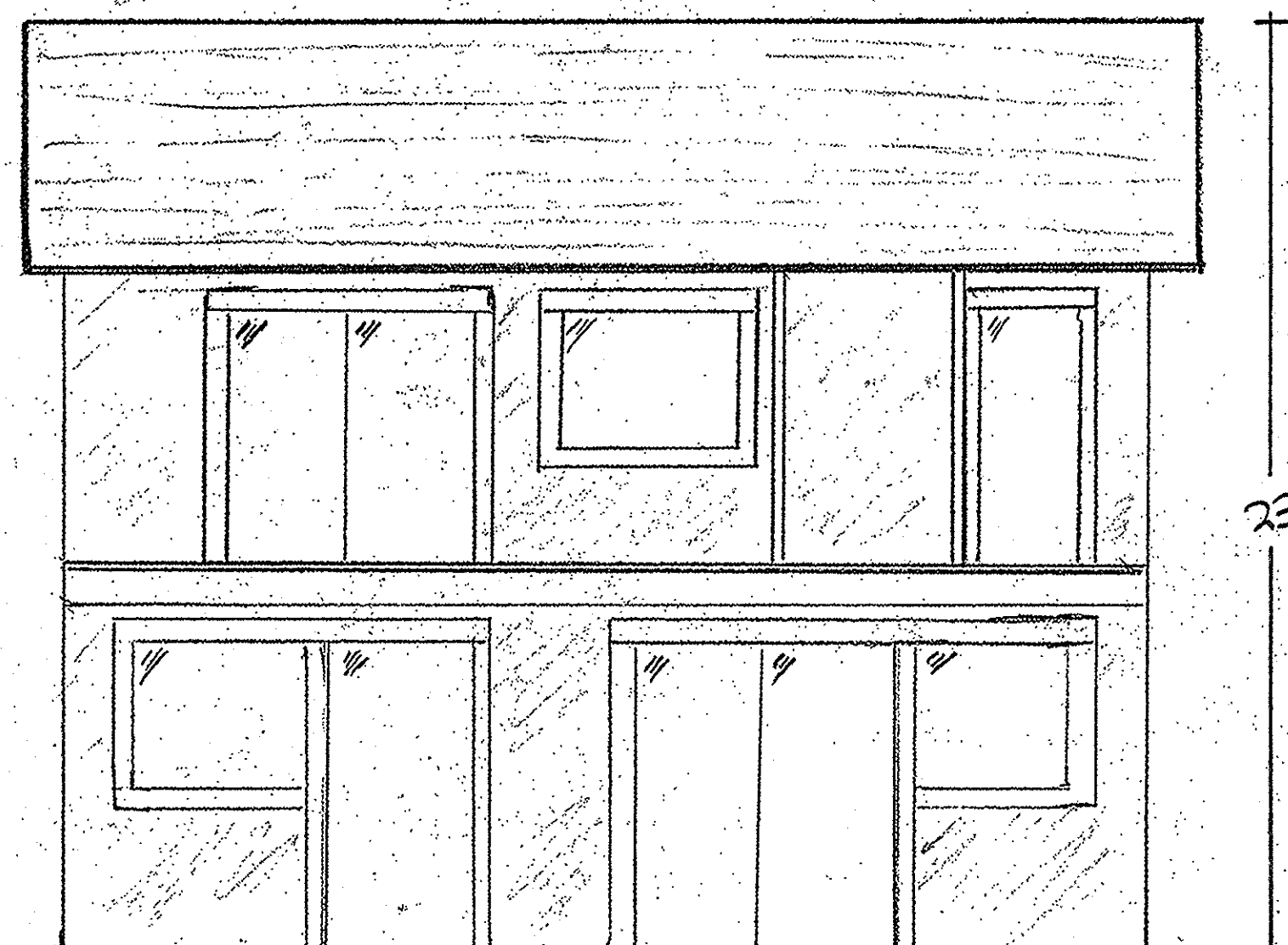
OF 7





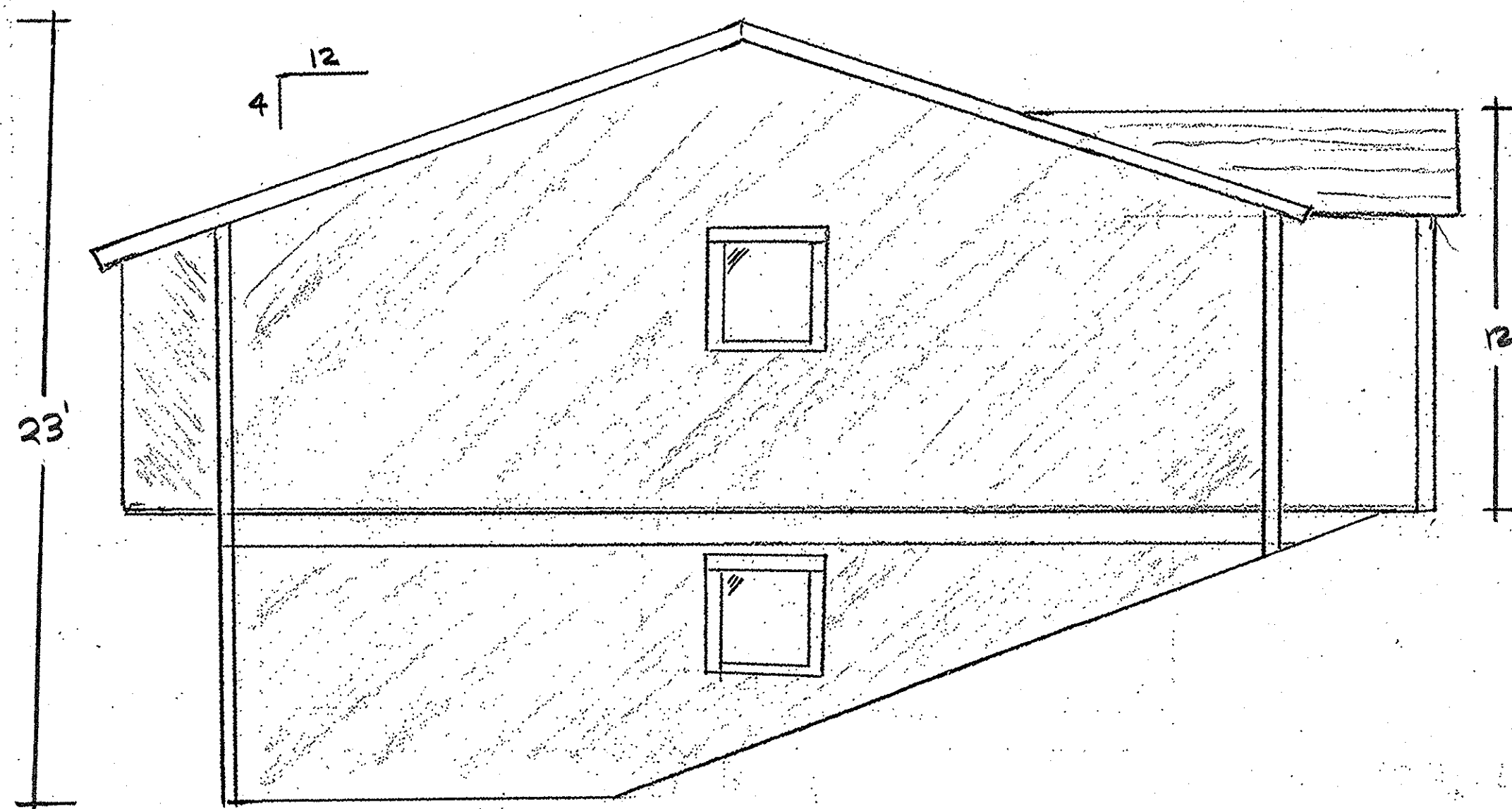
NORTH ELEVATION

$\frac{1}{4}" = 1'0"$



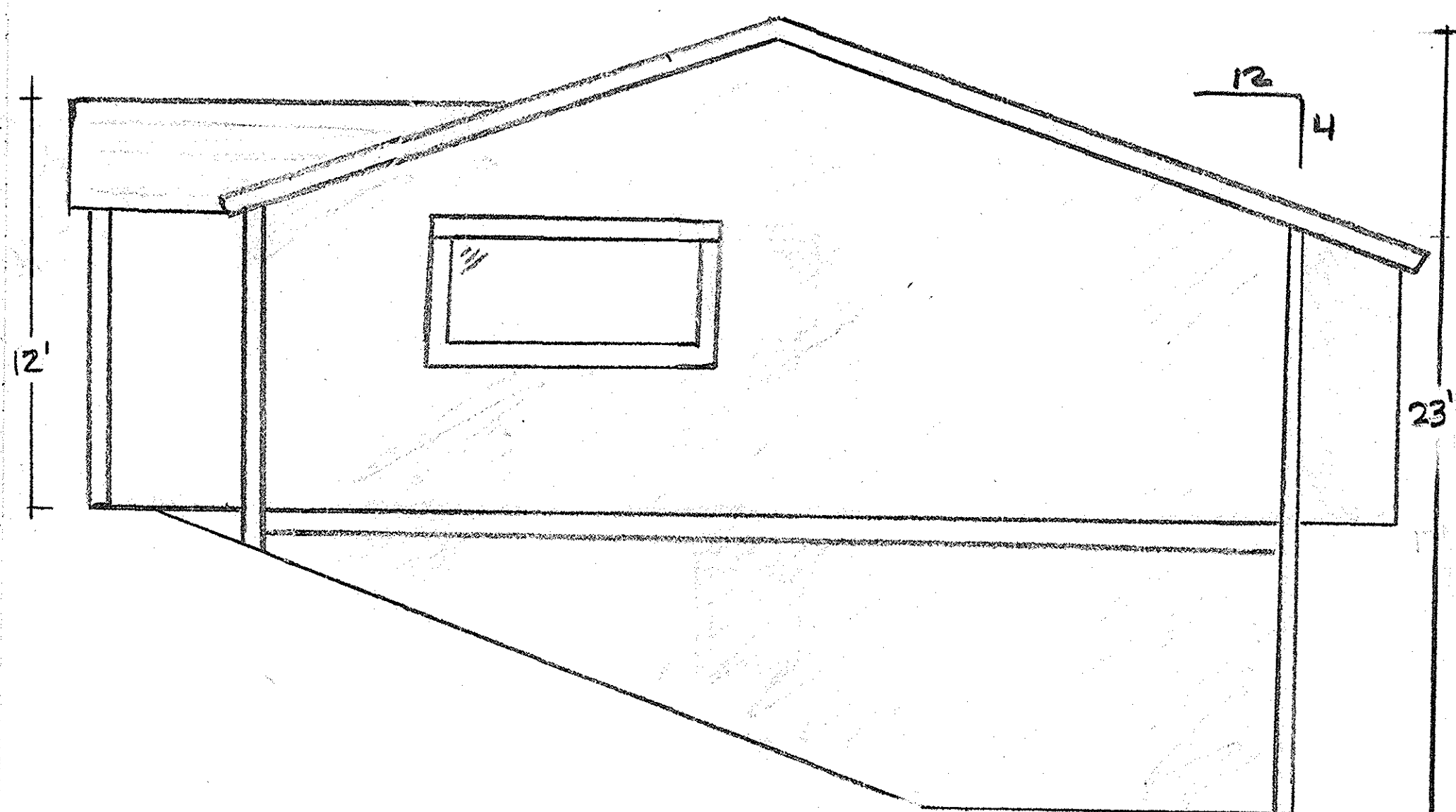
SOUTH ELEVATION

$\frac{1}{4}" = 1'0"$



EAST ELEVATION

$\frac{1}{4}" = 1'0"$



WEST ELEVATION

$\frac{1}{4}" = 1'0"$

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SHEET

5

OF 7

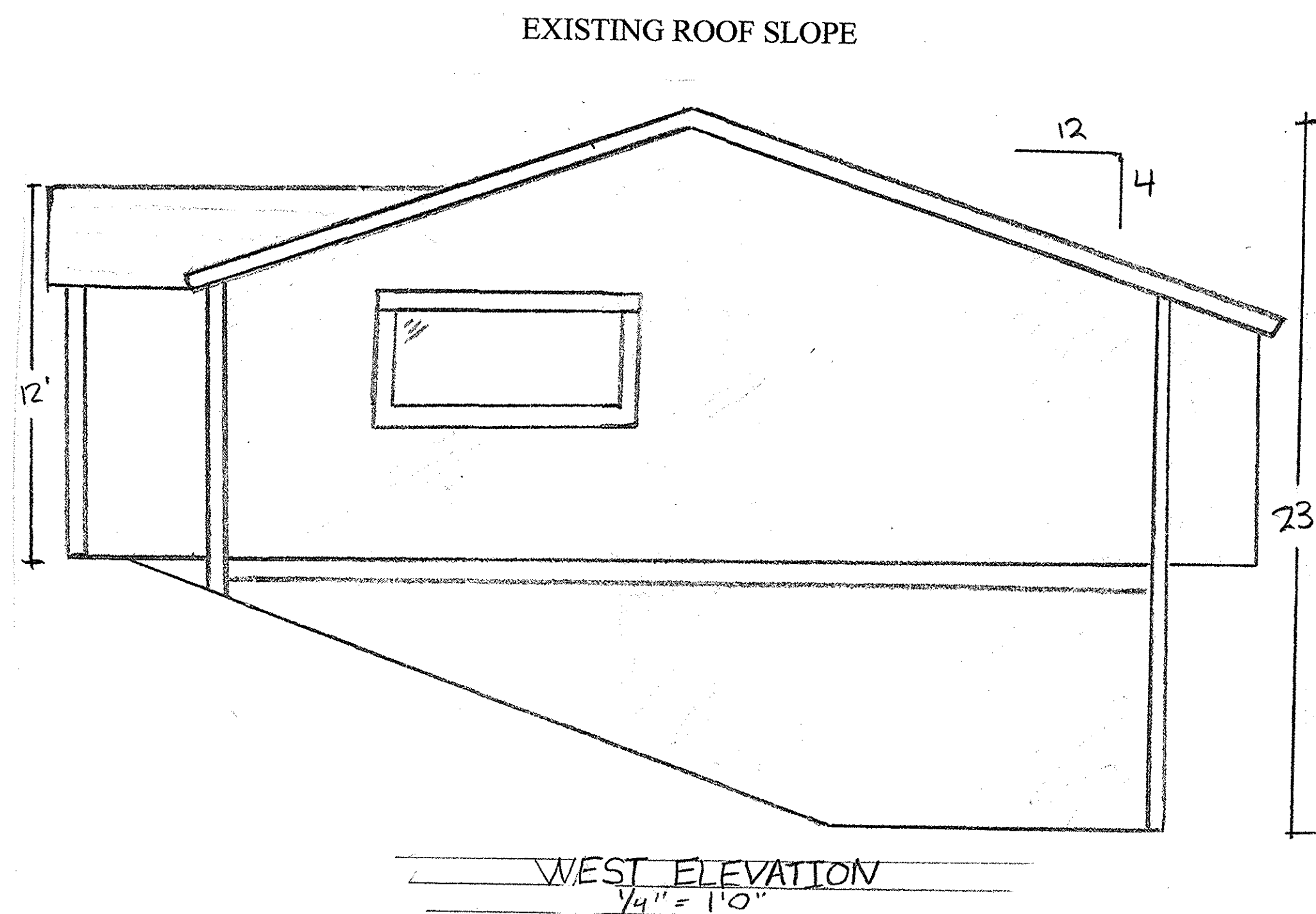
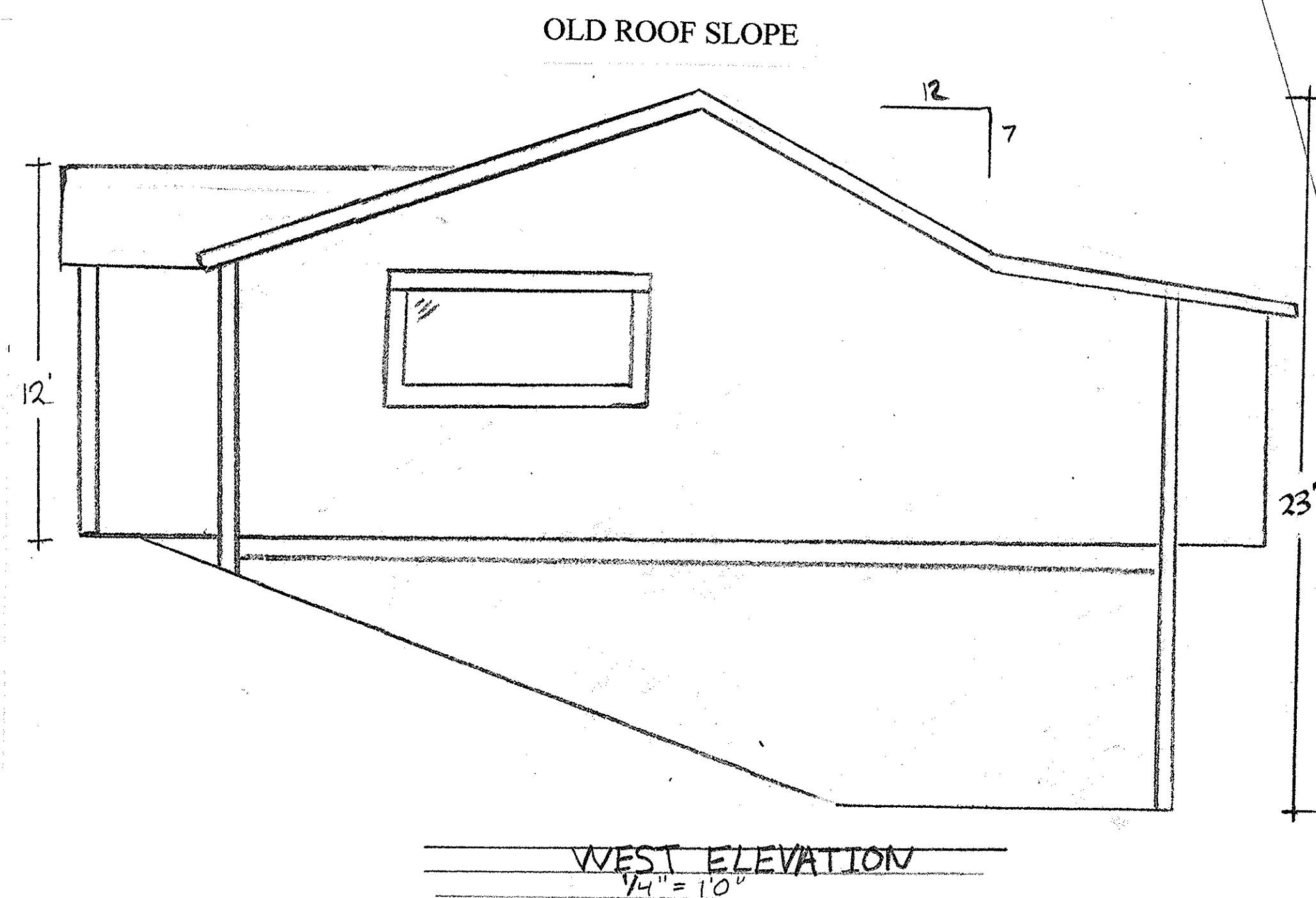
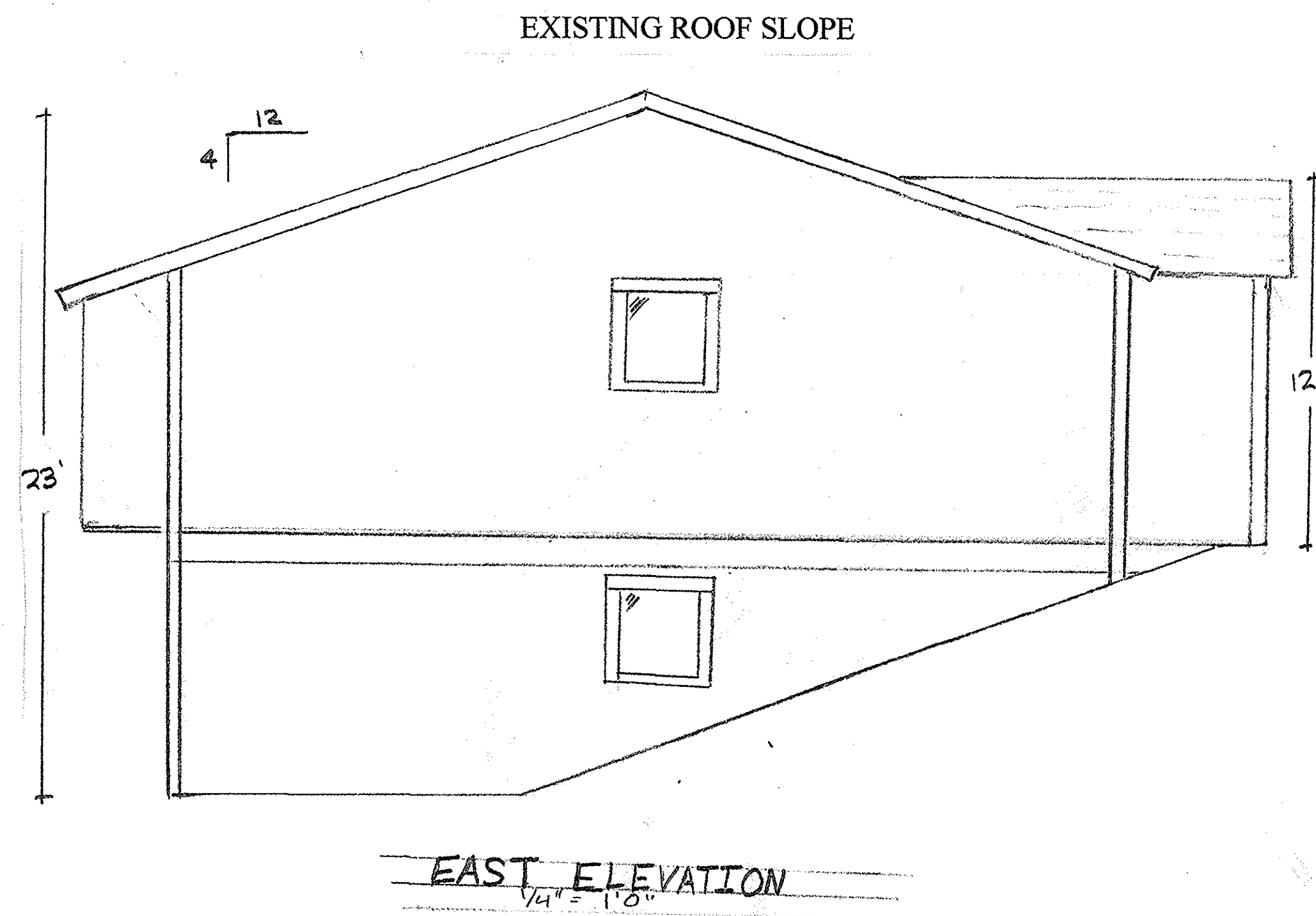
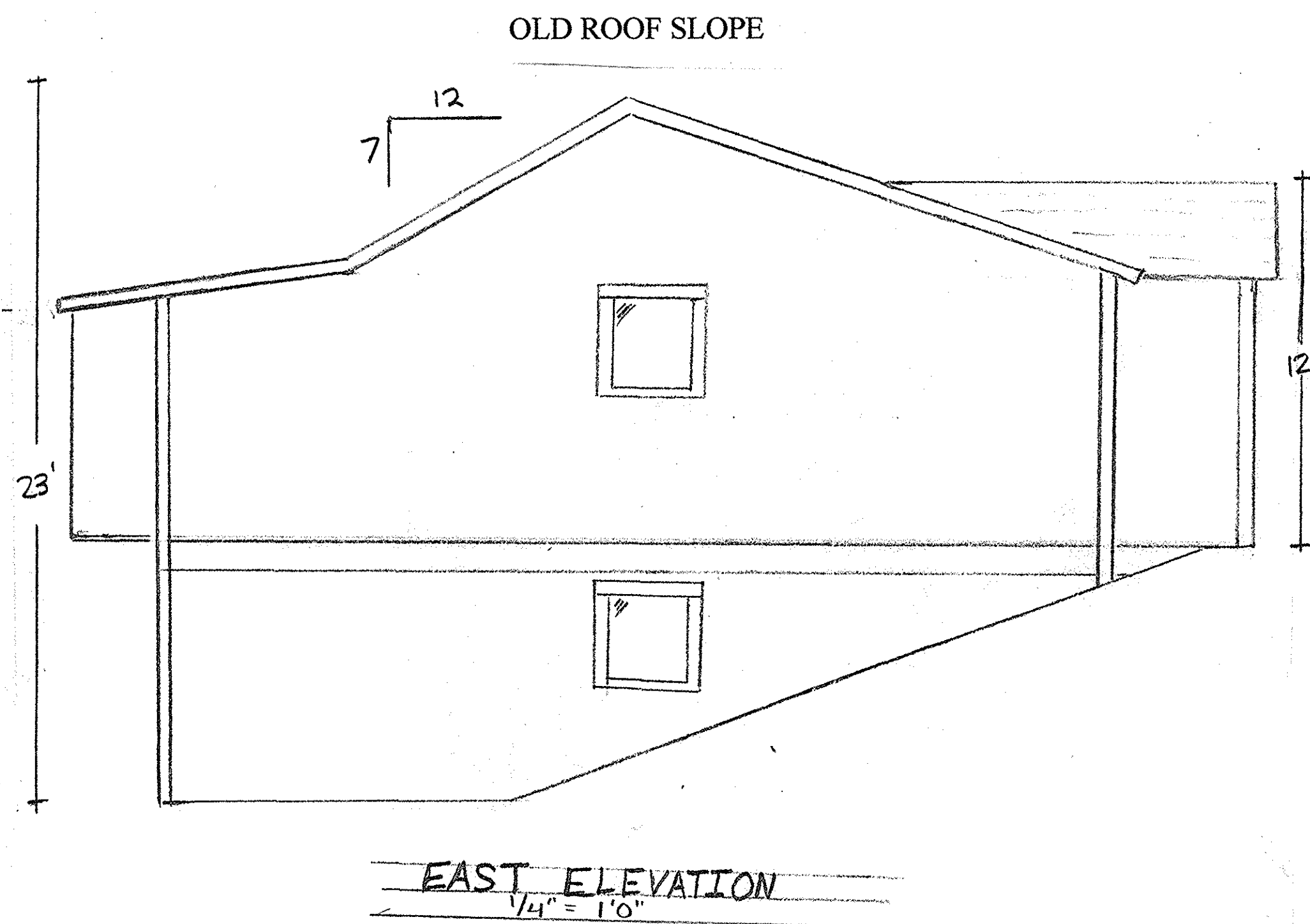


TABLE R602.3(1) FASTENING SCHEDULE			
ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER ^{a,b}	SPACING AND LOCATION
Roof			
1	Blocking between ceiling joists or rafters to top plate	4-8d box (2 1/2" x 0.113"); or 3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails	Toe nail
2	Ceiling joists to top plate	4-8d box (2 1/2" x 0.113"); or 3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails	Per joist, toe nail
3	Ceiling joist not attached to parallel rafter, laps over partitions (see Sections R602.3.1, R602.3.2 and Table R602.5.1(9))	4-10d box (3" x 0.128"); or 3-16d common (3 1/2" x 0.162"); or 4-3" x 0.131" nails	Face nail
4	Ceiling joist attached to parallel rafter (heel joint) (see Sections R602.3.1 and R602.3.2 and Table R602.5.1(9))	Table R602.5.1(9)	Face nail
5	Collar tie to rafter, face nail or 1 1/4" x 20 ga. ridge strap to rafter	4-10d box (3" x 0.128"); or 3-16d common (3 1/2" x 0.162"); or 4-3" x 0.131" nails	Face nail each rafter
6	Rafter or roof truss to plate	3-16d box nails (3 1/2" x 0.135"); or 3-10d common nails (3" x 0.148"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails	2 toe nails on one side and 1 toe nail on opposite side of each rafter or truss
7	Roof rafters to ridge, valley or hip rafters or roof rafter to minimum 2" ridge beam	4-16d (3 1/2" x 0.135"); or 3-10d common (3 1/2" x 0.148"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails	Toe nail
		3-16d box (3 1/2" x 0.135"); or 2-16d common (3 1/2" x 0.162"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails	End nail
Wall			
8	Stud to stud (not at braced wall panels)	16d common (3 1/2" x 0.162") 10d box (3" x 0.128"); or 3" x 0.131" nails	24" o.c. face nail 16" o.c. face nail
9	Stud to stud and abutting studs at intersecting wall corners (at braced wall panels)	16d box (3 1/2" x 0.135"); or 3" x 0.131" nails	12" o.c. face nail
10	Built-up header (2" to 2" header with 1/2" spacer)	16d common (3 1/2" x 0.162") 16d box (3 1/2" x 0.162") 16d box (3 1/2" x 0.135")	16" o.c. face nail 16" o.c. face nail 12" o.c. each edge face nail
11	Continuous header to stud	5-8d box (2 1/2" x 0.113"); or 4-8d common (2 1/2" x 0.131"); or 4-10d box (3" x 0.128")	Toe nail
12	Top plate to top plate	16d common (3 1/2" x 0.162") 10d box (3" x 0.128"); or 3" x 0.131" nails	16" o.c. face nail 12" o.c. face nail
13	Double top plate splice for SDCs A-D ₂ with seismic braced wall line spacing < 25'	8-16d common (3 1/2" x 0.162"); or 12-16d box (3 1/2" x 0.135"); or 12-10d box (3" x 0.128"); or 12-3" x 0.131" nails	Face nail on each side of end joint (minimum 24" top splice length each side of end joint)
	Double top plate splice SDCs D ₁ , D ₂ and braced wall line spacing ≥ 25'	12-16d (3 1/2" x 0.135")	

ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER ^{a,b}	SPACING AND LOCATION
14	Bottom plate to joist, rim joist, band joist or blocking (not at braced wall panels)	16d common (3 1/2" x 0.162") 16d box (3 1/2" x 0.135"); or 3" x 0.131" nails	16" o.c. face nail 12" o.c. face nail
15	Bottom plate to joist, rim joist, band joist or blocking (at braced wall panel)	3-16d box (3 1/2" x 0.135"); or 2-16d common (3 1/2" x 0.162"); or 4-3" x 0.131" nails	3 each 16" o.c. face nail 2 each 16" o.c. face nail 4 each 16" o.c. face nail
16	Top or bottom plate to stud	4-8d box (2 1/2" x 0.113"); or 3-16d box (3 1/2" x 0.135"); or 4-8d common (2 1/2" x 0.131"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails	Toe nail
		3-16d box (3 1/2" x 0.135"); or 2-16d common (3 1/2" x 0.162"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails	End nail
17	Top plates, laps at corners and intersections	3-10d box (3" x 0.128"); or 2-16d common (3 1/2" x 0.162"); or 3-3" x 0.131" nails	Face nail
18	1" brace to each stud and plate	3-8d box (2 1/2" x 0.113"); or 2-8d common (2 1/2" x 0.131"); or 2-10d box (3" x 0.128"); or 2 staples, 1" crown, 16 ga., 1 1/4" long	Face nail
19	1" x 6" sheathing to each bearing	3-8d box (2 1/2" x 0.113"); or 2-8d common (2 1/2" x 0.131"); or 2-10d box (3" x 0.128"); or 2 staples, 1" crown, 16 ga., 1 1/4" long	Face nail
20	1" x 8" and wider sheathing to each bearing	3-8d box (2 1/2" x 0.113"); or 3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 4 staples, 1" crown, 16 ga., 1 1/4" long	Face nail
Floor			
21	Joist to sill, top plate or girder	4-8d box (2 1/2" x 0.113"); or 3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails	Toe nail
22	Rim joist, band joist or blocking to sill or top plate (roof applications also)	8d box (2 1/2" x 0.113") 8d common (2 1/2" x 0.131"); or 10d box (3" x 0.128"); or 3" x 0.131" nails	4" o.c. toe nail 6" o.c. toe nail
23	1" x 6" subfloor or less to each joist	3-8d box (2 1/2" x 0.113"); or 2-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 2 staples, 1" crown, 16 ga., 1 1/4" long	Face nail

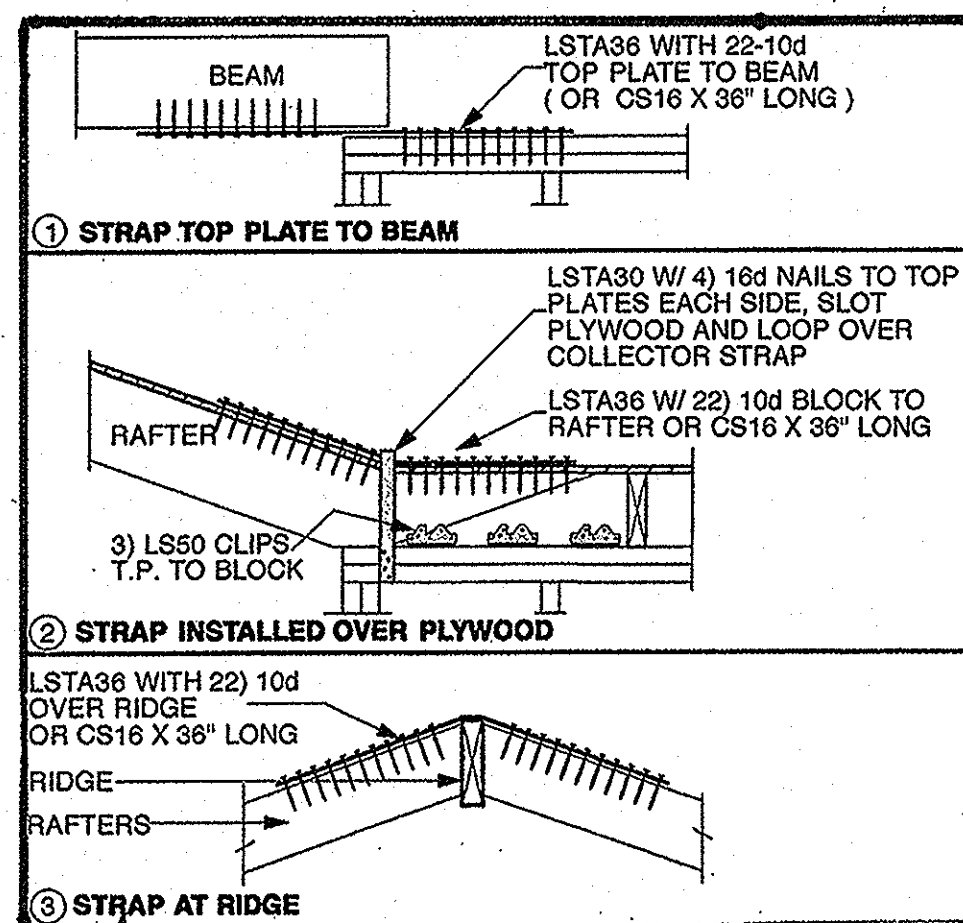
ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER ^{a,b}	SPACING AND LOCATION
Floor			
24	2" subfloor to joist or girder	3-16d box (3 1/2" x 0.135"); or 2-16d common (3 1/2" x 0.162")	Blind and face nail
25	2" planks (plank & beam—floor & roof)	3-16d box (3 1/2" x 0.135"); or 3-16d common (3 1/2" x 0.162")	At each bearing, face nail
26	Band or rim joist to joist	3-16d common (3 1/2" x 0.162") 4-10 box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" x 14 ga. staples, 1 1/4" crown	End nail
27	Built-up girders and beams, 2-inch lumber layers	20d common (4" x 0.192"); or 10d box (3" x 0.128"); or 3" x 0.131" nails	Nail each layer as follows: 32" o.c. at top and bottom and staggered. 24" o.c. face nail at top and bottom staggered on opposite sides
28	Ledger strip supporting joists or rafters	4-16d box (3 1/2" x 0.135"); or 3-16d common (3 1/2" x 0.162"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails	At each joist or rafter, face nail
29	Bridging to joist	2-10d (3" x 0.128")	Each end, toe nail
ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER ^{a,b}	SPACING OF FASTENERS
Wood structural panels, subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing (see Table R602.3(8) for wood structural panel exterior wall sheathing to wall framing)			
30	3/8" - 1/2"	6d common (2" x 0.113") nail (subfloor, wall) 8d common (2 1/2" x 0.131") nail (roof)	6 12'
31	3/8" - 1"	8d common nail (2 1/2" x 0.131")	6 12'
32	1 1/4" - 1 1/2"	10d common (3" x 0.148") nail; or 8d (2 1/2" x 0.131") deformed nail	6 12'
Other wall sheathing^c			
33	1/2" structural cellulose fiberboard sheathing	1 1/2" galvanized roofing nail, 1 1/2" head diameter, or 1" crown staple 16 ga., 1 1/4" long	3 6
34	3/8" structural cellulose fiberboard sheathing	1 1/2" galvanized roofing nail, 1 1/2" head diameter, or 1" crown staple 16 ga., 1 1/4" long	3 6
35	1/2" gypsum sheathing ^d	1 1/2" galvanized roofing nail; staple galvanized, 1 1/2" long; 1 1/4" screws, Type W or S	7 7
36	3/4" gypsum sheathing ^d	1 1/2" galvanized roofing nail; staple galvanized, 1 1/2" long; 1 1/4" screws, Type W or S	7 7
Wood structural panels, combination subfloor underlayment to framing			
37	3/4" and less	6d deformed (2" x 0.120") nail; or 8d common (2 1/2" x 0.131") nail	6 12'
38	3/8" - 1"	8d common (2 1/2" x 0.131") nail; or 8d deformed (2 1/2" x 0.120") nail	6 12'
39	1 1/4" - 1 1/2"	10d common (3" x 0.148") nail; or 8d deformed (2 1/2" x 0.120") nail	6 12'

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s; 1 ksi = 6.895 MPa.

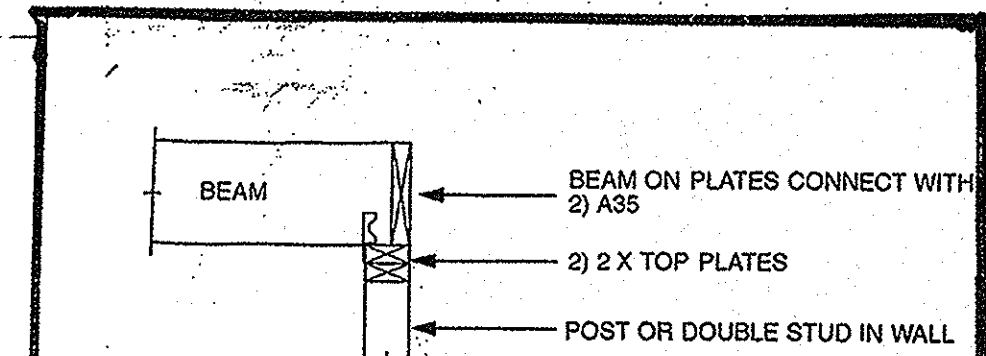
- Nails are smooth-common, box or deformed shanks except where otherwise stated. Nails used for framing and sheathing connections shall have minimum average bending yield strengths as shown: 80 ksi for shank diameter of 0.192 inch (20d common nail), 90 ksi for shank diameters larger than 0.142 inch but not larger than 0.177 inch, and 100 ksi for shank diameters of 0.142 inch or less.
- Staples are 16 gauge wire and have a minimum 1/4" inch on diameter crown width.
- Nails shall be spaced at not more than 6 inches on center at all supports where spans are 48 inches or greater.
- Four-foot by 8-foot or 4-foot by 9-foot panels shall be applied vertically.
- Spacing of fasteners not included in this table shall be based on Table R602.3(2).
- Gypsum sheathing shall conform to ASTM C1396 and shall be installed in accordance with GA 255. Fiberboard sheathing shall conform to ASTM C208.
- Spacing of fasteners on floor sheathing panel edges applies to framing members and required blocking and at floor perimeters only. Spacing of fasteners on roof sheathing panel edges applies to panel edges supported by framing members and required blocking. Blocking of roof or floor sheathing panel edges perpendicular to the framing members need not be provided except as required by other provisions of this code. Floor perimeter shall be supported by framing members or solid blocking.
- Where the ultimate design wind speed is greater than 130 mph, nails for attaching panel roof sheathing to gable end wall framing shall be spaced 6 inches on center for minimum 48-inch distance from ridges, eaves and gable end walls; and 4 inches on center to gable end wall framing.
- Where the ultimate design wind speed is 130 mph or less, nails for attaching panel roof sheathing to intermediate supports shall be spaced 6 inches on center for minimum 48-inch distance from ridges, eaves and gable end walls; and 4 inches on center to gable end wall framing.
- Gypsum sheathing shall conform to ASTM C1396 and shall be installed in accordance with GA 255. Fiberboard sheathing shall conform to ASTM C208.
- Spacing of fasteners on floor sheathing panel edges applies to framing members and required blocking and at floor perimeters only. Spacing of fasteners on roof sheathing panel edges applies to panel edges supported by framing members and required blocking. Blocking of roof or floor sheathing panel edges perpendicular to the framing members need not be provided except as required by other provisions of this code. Floor perimeter shall be supported by framing members or solid blocking.
- Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule, provide two toe nails on one side of the rafter and two nails from the ceiling joist to top plate in accordance with this schedule. The toe nail on the opposite side of the rafter shall not be required.

TABLE R602.3.2 SINGLE TOP-PLATE SPLICE CONNECTION DETAILS				
CONDITION	TOP-PLATE SPLICE LOCATION			
	Comers and intersecting walls	Butt joints in straight walls	Butt joints in straight walls	Butt joints in straight walls
	Splice plate size	Minimum nails each side of joint	Splice plate size	Minimum nails each side of joint
Structures in SDC A-C; and in SDC D ₁ , D ₂ and D ₃ with braced wall line spacing less than 25 feet	3" x 6" x 0.036" galvanized steel plate or equivalent	(6) 8d box (2 1/2" x 0.113") nails	3" x 12" x 0.036" galvanized steel plate or equivalent	(12) 8d box (2 1/2" x 0.113") nails
Structures in SDC D ₁ , D ₂ and D ₃ with braced wall line spacing greater than or equal to 25 feet	3" x 8" by 0.036" galvanized steel plate or equivalent	(9) 8d box (2 1/2" x 0.113") nails	3" x 16" x 0.036" galvanized steel plate or equivalent	(18) 8d box (2 1/2" x 0.113") nails

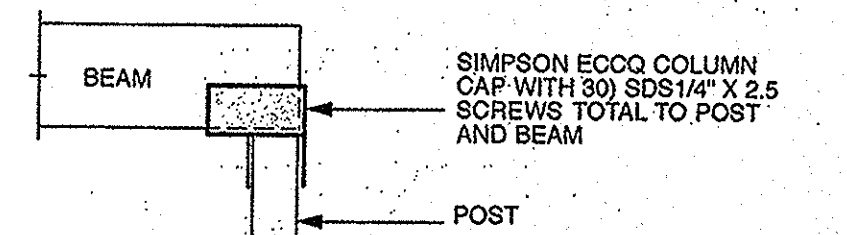
For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.



F1

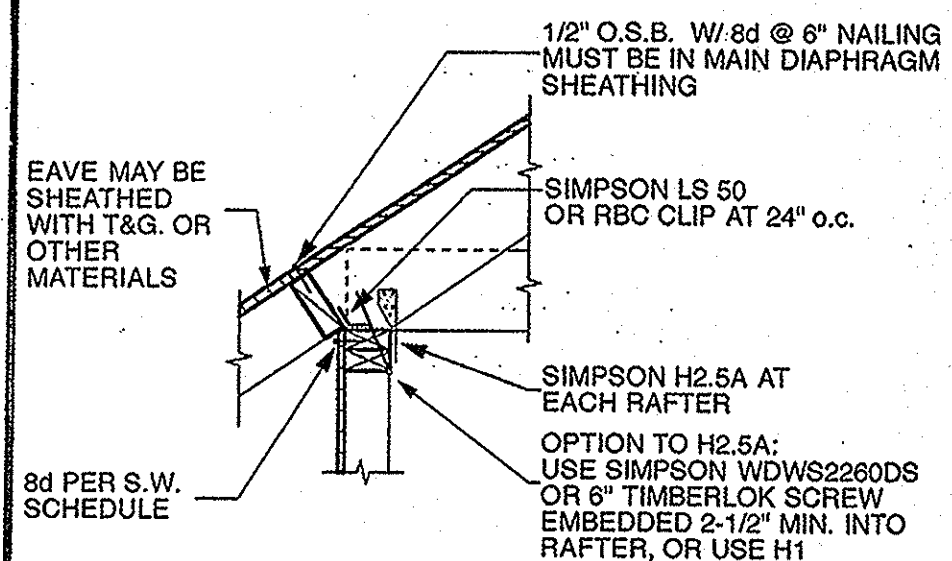


② BEAM TO TOP PLATES

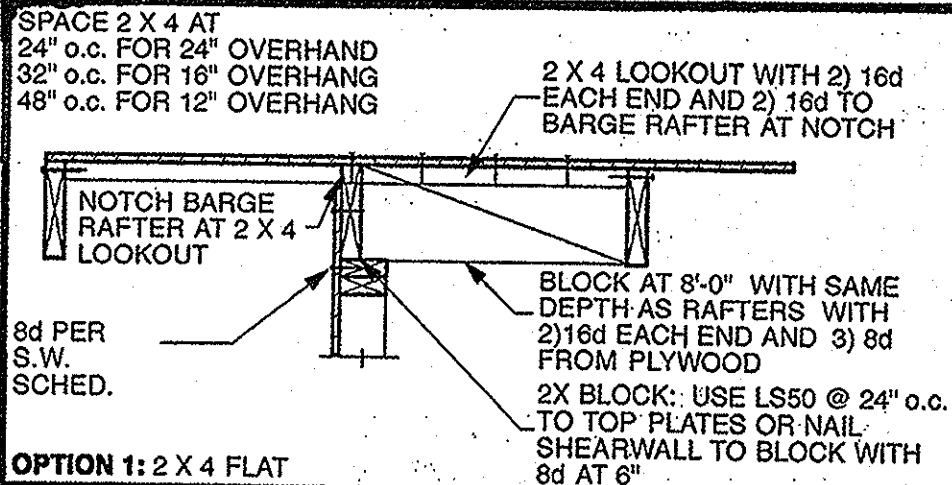


① COLUMN CAP AT GLU-LAM OF PARALLAM "ECCO"

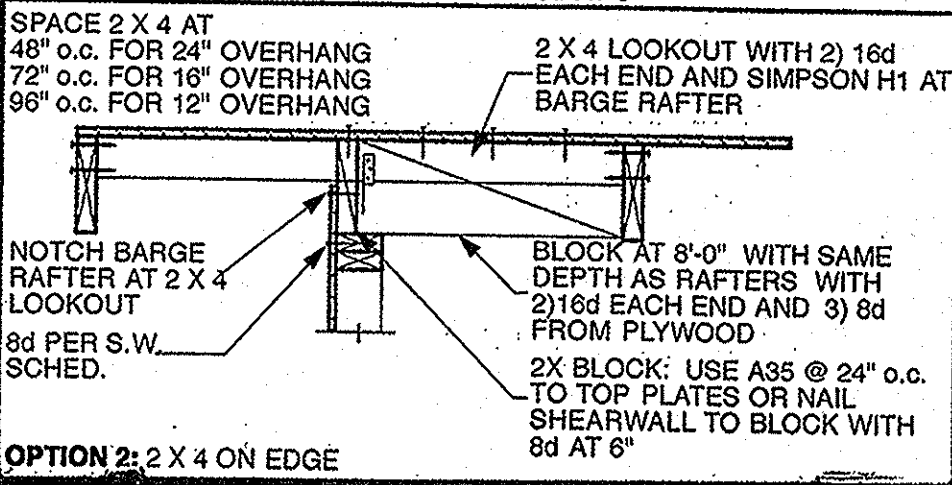
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F3

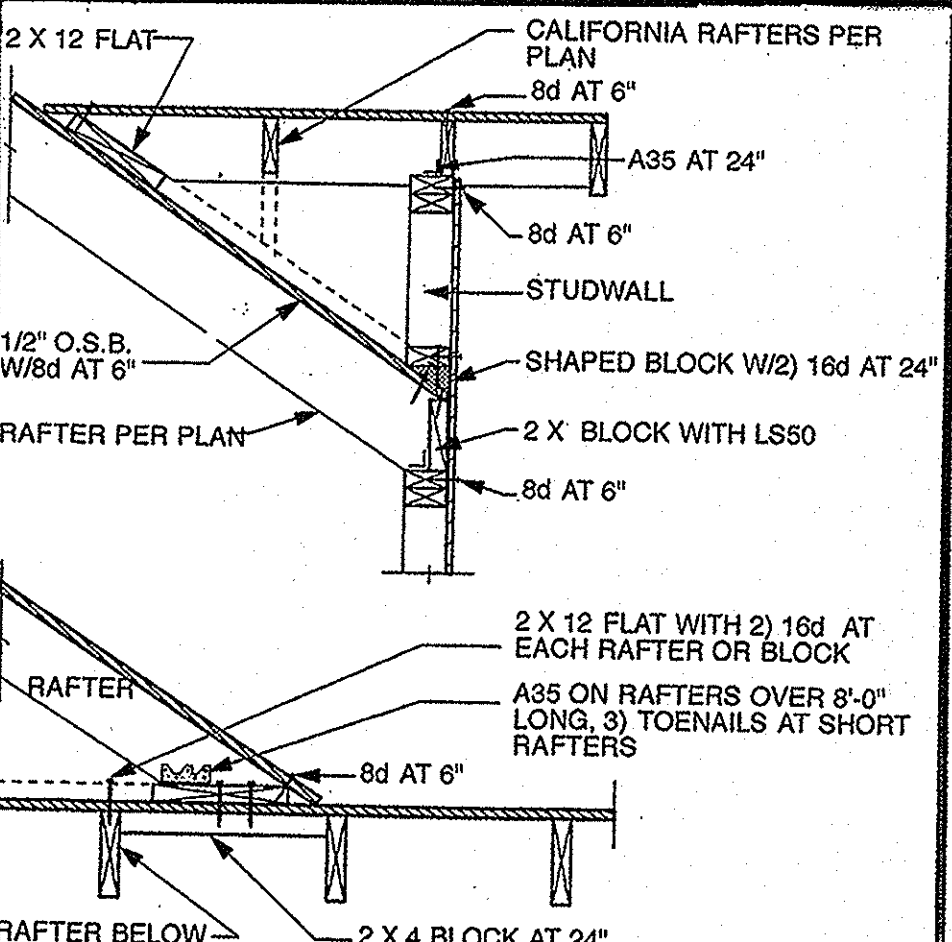


OPTION 1: 2 X 4 FLAT



OPTION 2: 2 X 4 ON EDGE

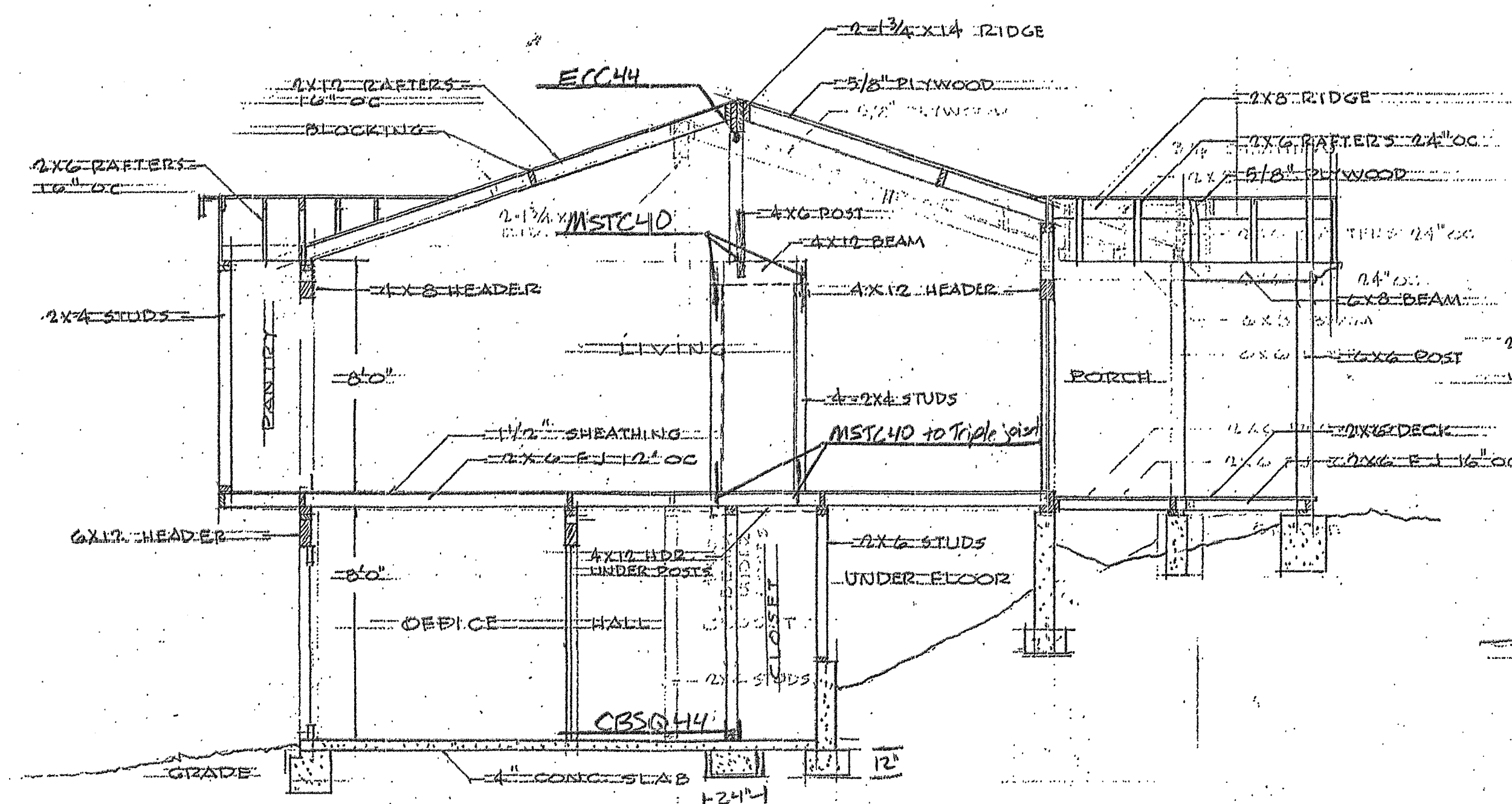
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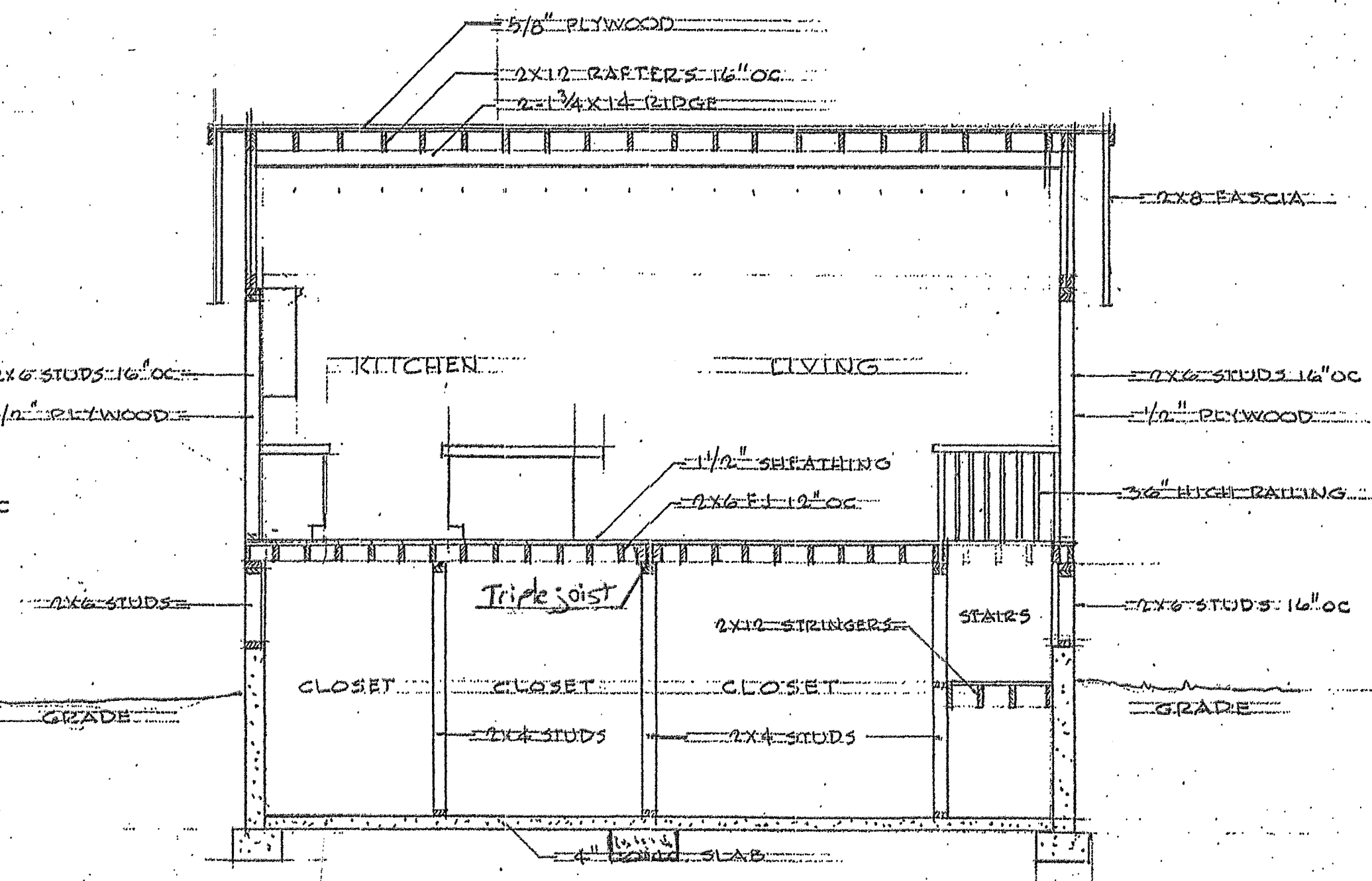
F5

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SAN JOSE, CA 95120

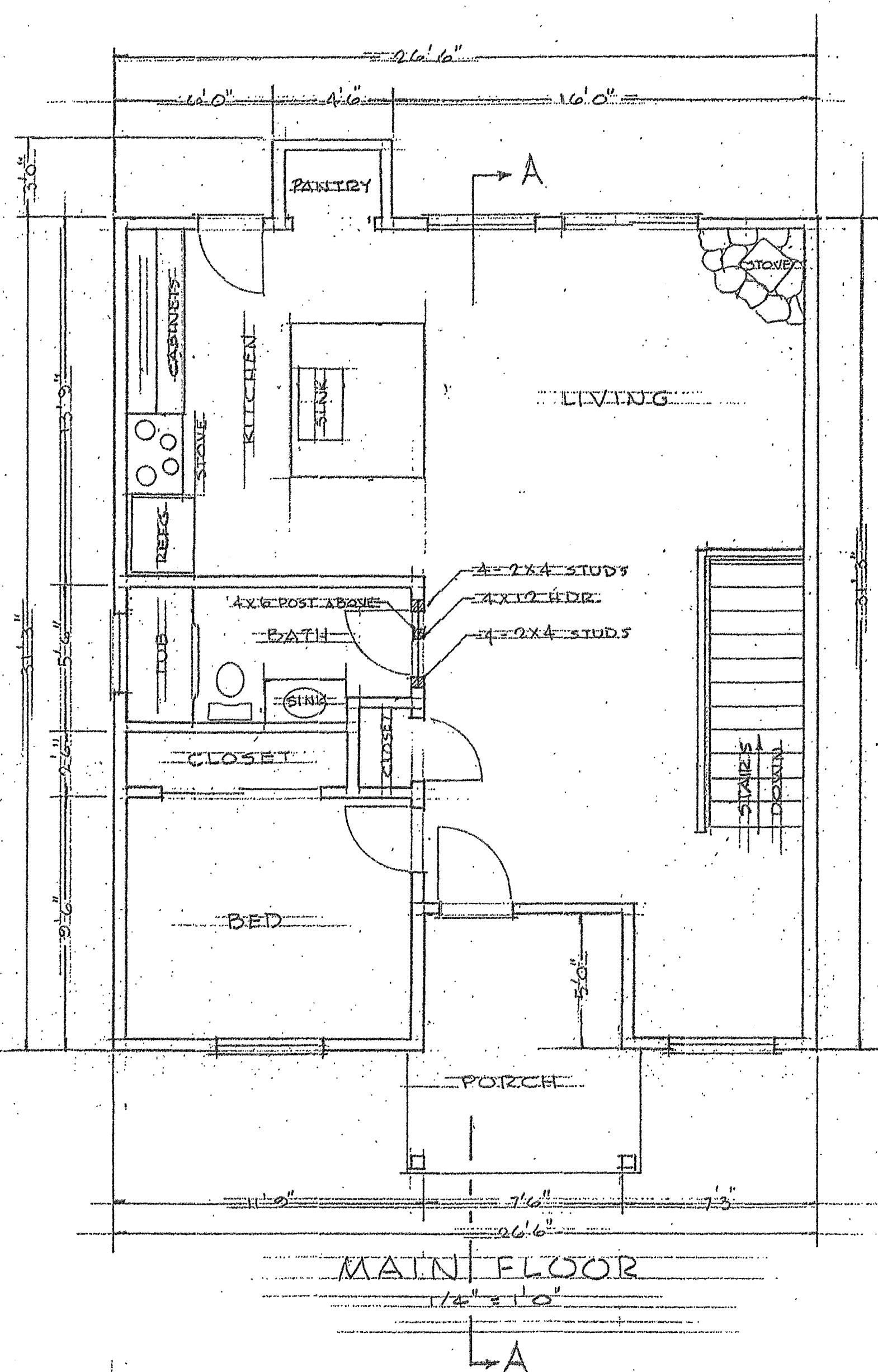
SHEET
7
OF 7



SECTION A

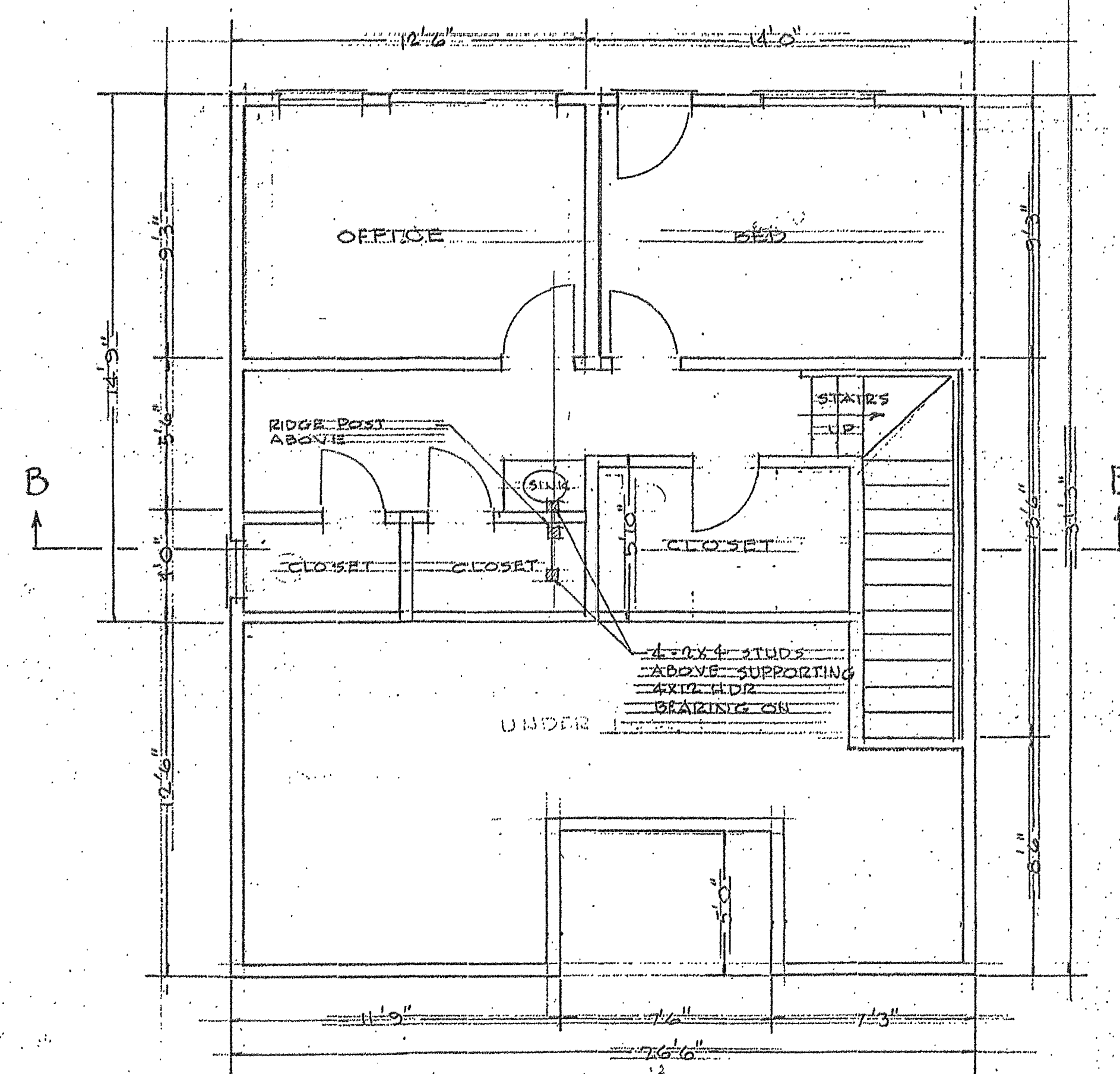


SECTION B

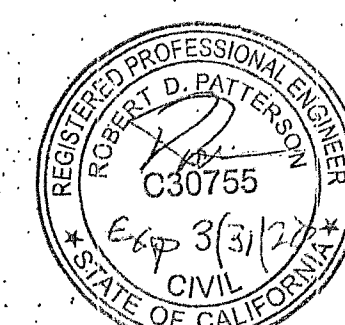


MAIN FLOOR

TOTAL SQ. FT. 1237.5



LOWER FLOOR



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SAN JOSE, CALIF. 95120

PATTERSON AND ASSOCIATES
ENGINEERING AND DESIGN SERVICES
17953 BERTA CANYON RD.
SALINAS, CA. 93907
Ph: (831) 663-1496

JOB BOEHNER ROOF

SHT 1 OF 1

CALCULATED BY

DATE 11/2/18

21530 ALMADEN RD.

SAN JOSE, CA



ROOF LOADING

ROOFING	5.0
SHTG	2.5
FRAMG	4.0
INSUL	1.0
CLG	2.0
MISC	1.5
	16.0 D.L.
	16.0 L.L.

ROOF FRAMING

- RAFTERS @ 16" O/C:

$$\begin{aligned}
 L &= 15.5' \\
 W &= (16 + 16) \times 1.33' = 43 \# / (21 LL) \\
 M &= 43 \times (15.5)^2 / 8 \times 1.25 \times 1.15 = 900 \# \\
 S &= 900 \times 12 / 9.15 = 12.0''^3 \\
 S_{LL} &= 22.5 \times .021 \times (15.5)^4 \{ 1600 \times 178 = .1'' \} \checkmark OK
 \end{aligned}$$

2x12 @ 16" O/C OK
D.F. No. 2

- RIDGE BEAM:

$$\begin{aligned}
 L_{MAX} &= 15' \\
 W &= 32 \times 15.5' = 500 \# / (250 LL) \\
 M &= .500 \times (15')^2 / 8 \times 1.25 = 11.3''^3 \\
 S &= 11.3 \times 12 / 2.25 = 60''^3 \\
 R &= 3.8^k \\
 S_{LL} &= 22.5 \times .250 \times (15')^4 / 1500 \times 400 = .5'' (L/360) \checkmark OK
 \end{aligned}$$

1-1 3/4 x 14 LSL OK
4x4 Post OK

- HEADER @ UPPER CLOSET:

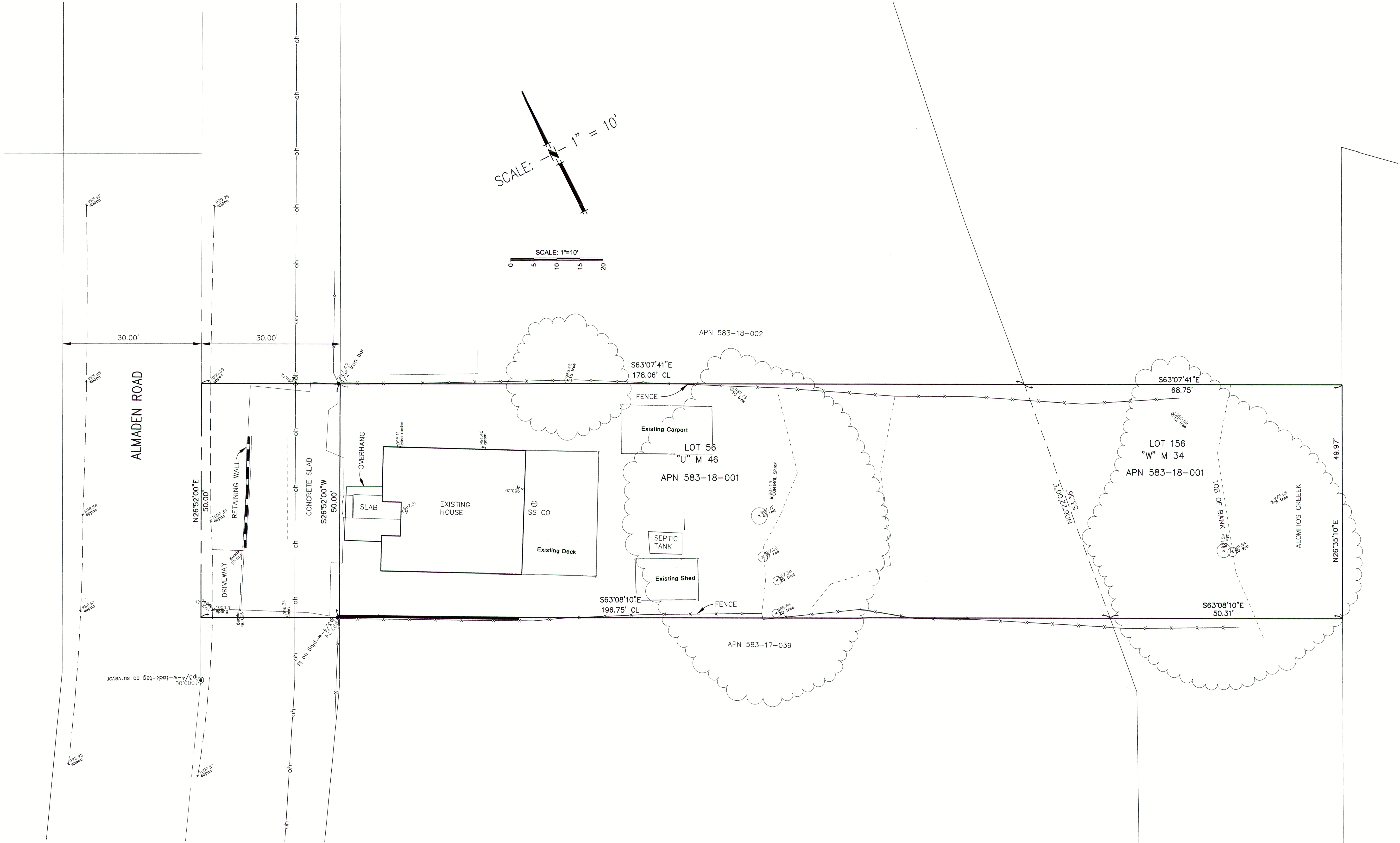
$$\begin{aligned}
 L &= 3' \\
 P &= 3.8^k @ .7' (FROM LEFT) \\
 R_{LEFT} &= 3.8 \times (2.3' / 3') = 2.9^k \\
 N &= 2900 \times 1.5 / 39.4'' \times 1.25 = 88 PSI \checkmark OK
 \end{aligned}$$

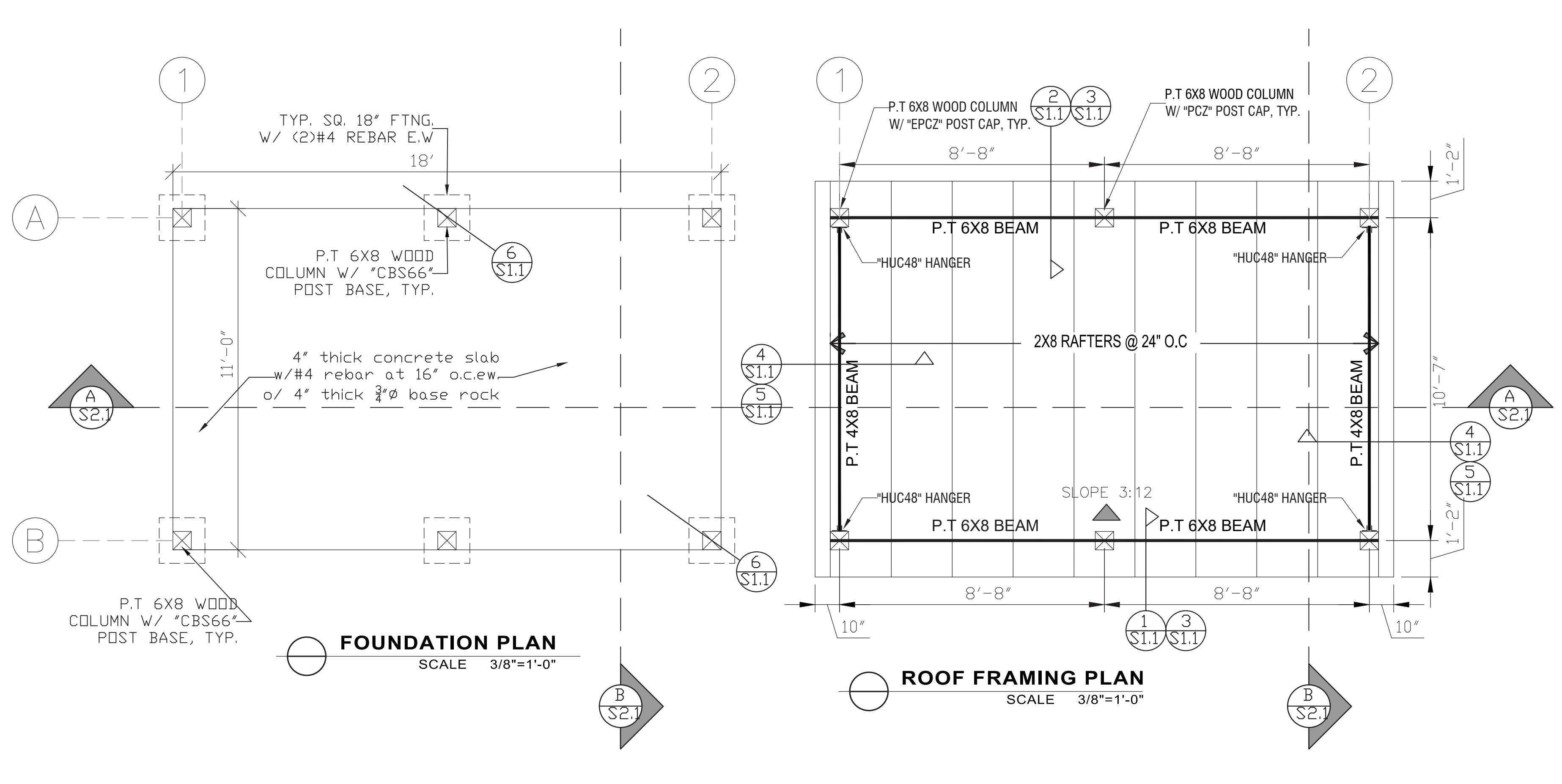
4x12 HDR OK
D.F. No. 2

- FTG:

$$\begin{aligned}
 P &= 2900 \# \\
 S.P. &= 2900 / (1.5')^2 = 1,290 PSF \checkmark OK
 \end{aligned}$$

18" SQ x 12" TAB FTG
2-#4 E.W.





FOUNDATION PLAN NOTES

A. CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ ENGINEER OF ANY DISCREPANCIES.

B. ITEMS NOT SPECIFICALLY DIMENSIONED ON THE PLANS SUCH AS POSTS, HOLDOWNS, ETC. SHALL BE LOCATED BY COORDINATION BETWEEN APPROVED STRUCTURAL AND ARCHITECTURAL DRAWINGS AND DETAILS.

C. CONTRACTOR TO VERIFY LOCATION OF ALL INSERTS IN SLAB W/ APPROVED MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS PRIOR TO CONSTRUCTION.

G. ALL FOOTINGS SHALL EXTEND BELOW GRADE THE MIN EMBEDMENT DEPTH AS NOTED BELOW. GRADE SHALL BE DEFINED AS TOP OF LOWEST ADJACENT COMPACTED SUBGRADE.

MINIMUM EMBEDMENT= 18"

FASTENERS FOR PRESERVATIVE TREATED AND FIRE-RETARDANT-TREATED WOOD

1. FASTENERS FOR PRESERVATIVE TREATED AND FIRE-RETARDANT-TREATED WOOD SHALL BE OF HOT DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. THE COATING WEIGHTS FOR ZINC-COATED FASTENERS SHALL BE IN ACCORDANCE WITH ASTM A 153. FASTENERS OTHER THAN NAILS, TIMBER RIVETS, WOOD SCREWS AND LAG SCREWS SHALL BE PERMITTED TO BE OF MECHANICALLY DEPOSITED ZINC COATED STEEL WITH COATING WEIGHTS IN ACCORDANCE WITH ASTM B 695, CLASS 55 MINIMUM. PROVIDE THIS NOTE ON PLANS. [§2304.9.5 CBC]

SHEET INDEX	
S1.1	FOUNDATION PLAN, ROOF FRAMING PLAN NOTES & DETAILS
S2.1	CROSS SECTIONS AND NAILING SCHEDULE

ROOF FRAMING PLAN NOTES

A. CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES

B. REFER TO GENERAL STRUCTURAL NOTES (SHEET S-0.1) AND TYPICAL DETAILS FOR ADDITIONAL INFORMATION. TYPICAL DETAILS AND NOTES SHALL APPLY, THOUGH NOT NECESSARILY INDICATED AT A SPECIFIC LOCATION ON PLANS

C. ROOF SLOPE SHALL BE VERIFIED WITH ARCHITECTURAL DRAWINGS.

D. ROOF SHEATHING SHALL BE 5/8" PLYWOOD. NAIL PER NAILING SCHEDULE UNO. AT HATCHED AREAS, PROVIDE 2x BLOCKING AT ALL ROOF SHEATHING PANEL EDGES AND NAIL W/ 10d AT 4" O.C. AT EDGE BOUNDARIES.

E. ALL HANGERS, CLIPS AND STRAP CONNECTORS ON THE PLANS AND DETAILS ARE SIMPSON STRONG-TIE PRODUCTS UNLESS NOTED OTHERWISE.

F. "RB1"...REFERENCE IN ROOF BEAM STRUCTURAL CALCULATIONS.

CONCRETE

1. ALL CONCRETE SHALL BE REGULAR WEIGHT OF 145 POUNDS PER CUBIC FOOT USING HARDROCK AGGREGATES CONFORMING TO ASTM C33.

MINIMUM 28 DAY STRENGTH: SPREAD FOOTING..... 2500 PSI

REINFORCING STEEL

1. REINFORCING STEEL SHALL BE DETAILED AND PLACED IN ACCORDANCE W/ ACI 318 AND THE LATEST EDITION CRS'S MANUAL OF STANDARD PRACTICE.

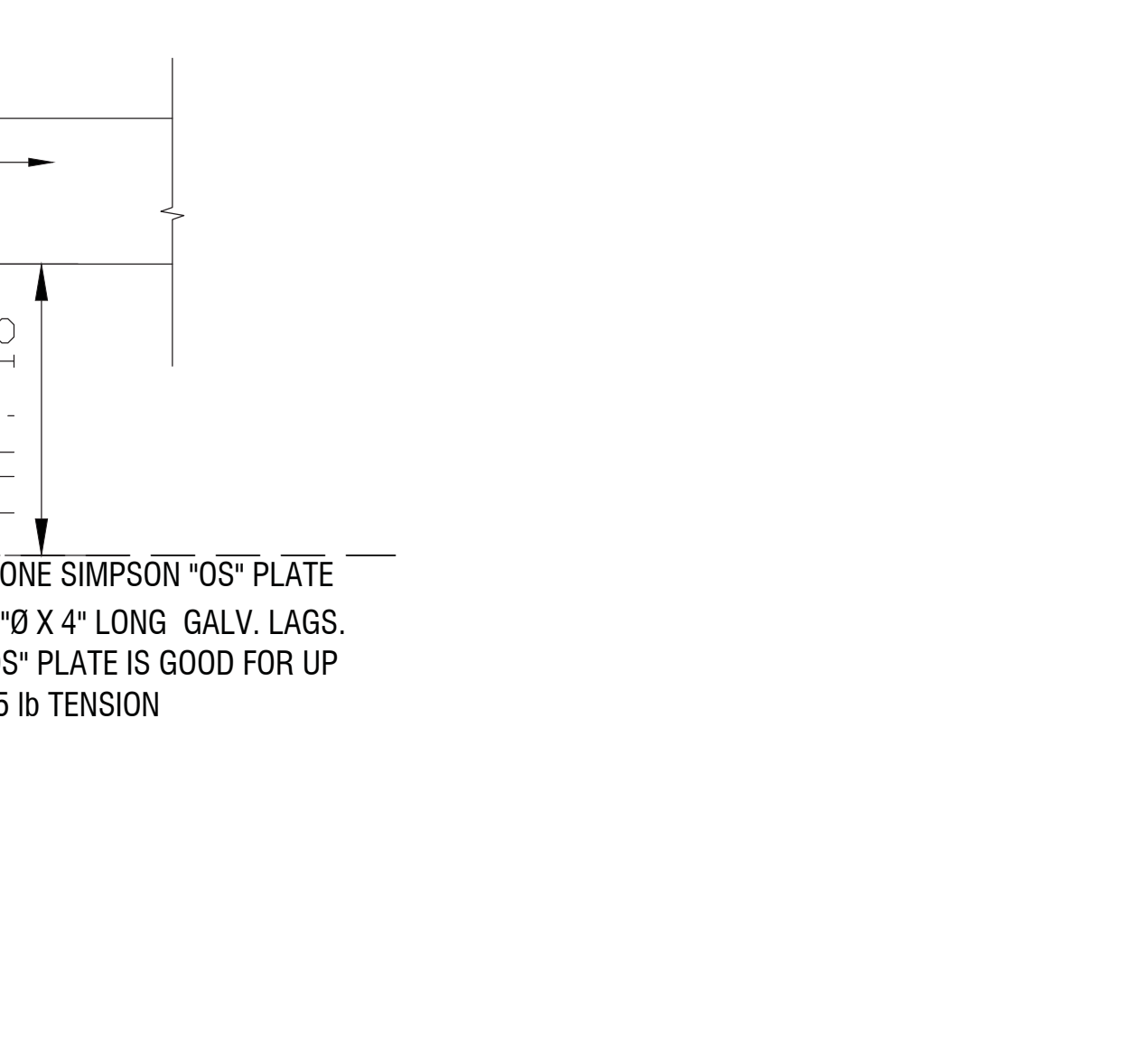
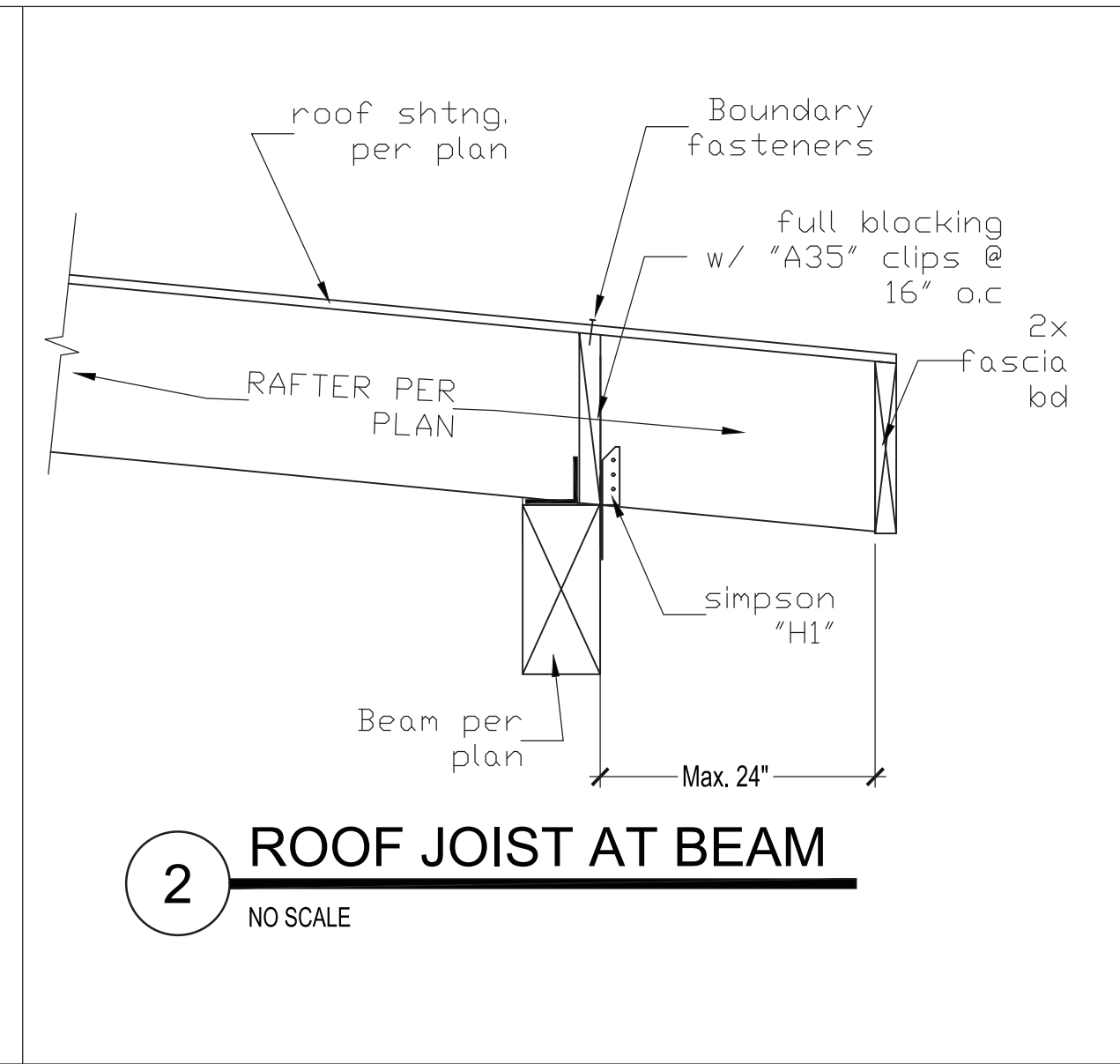
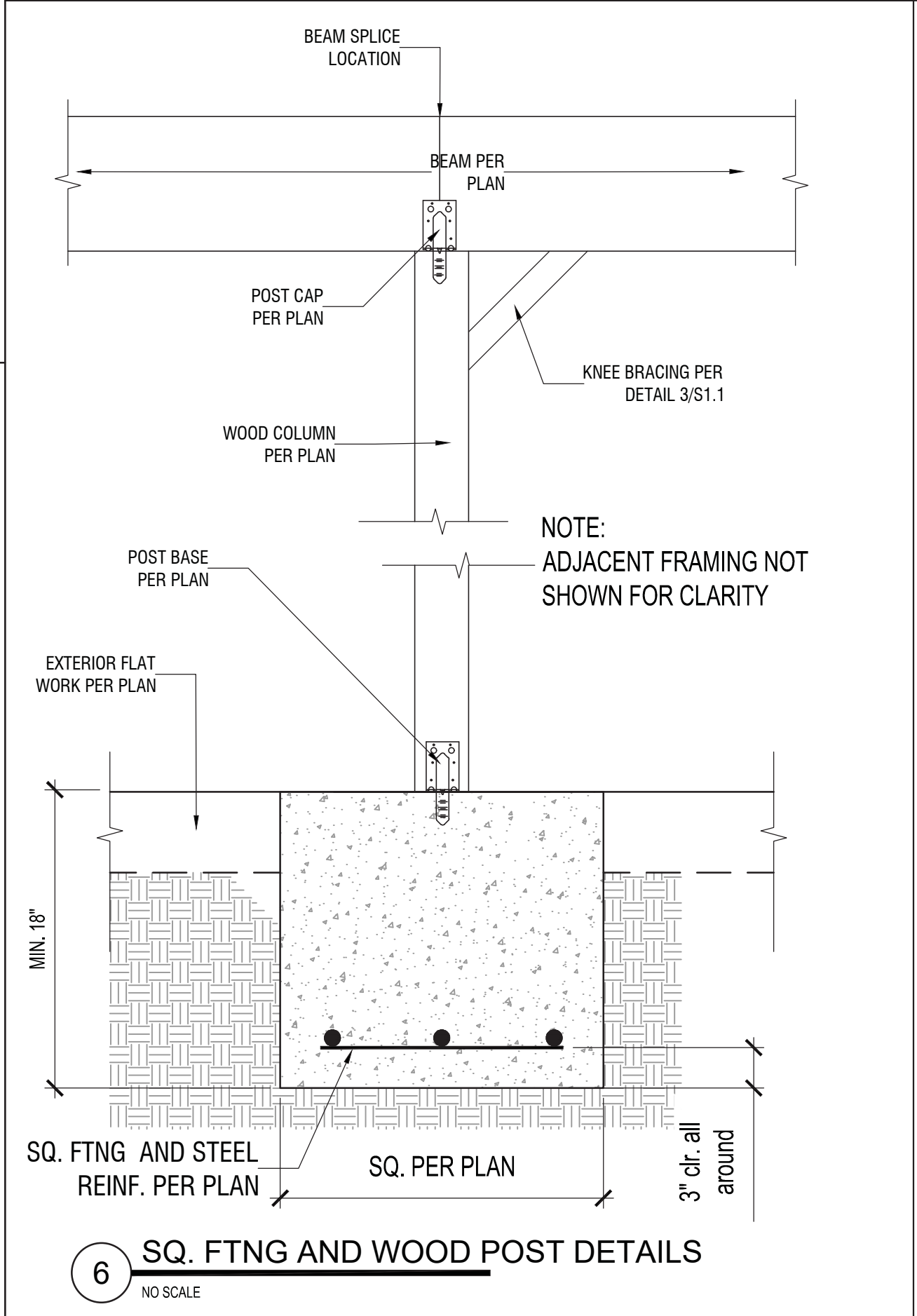
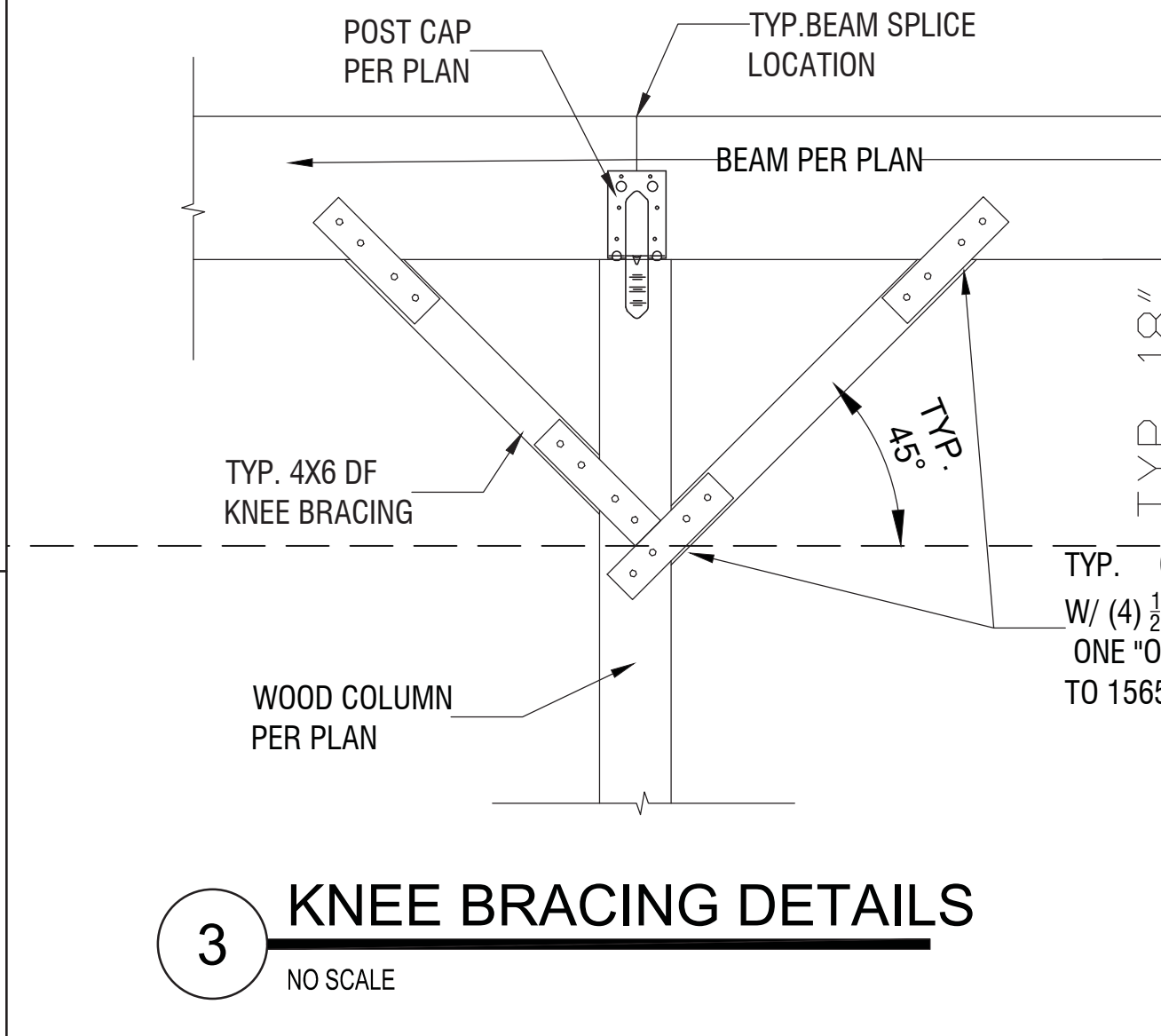
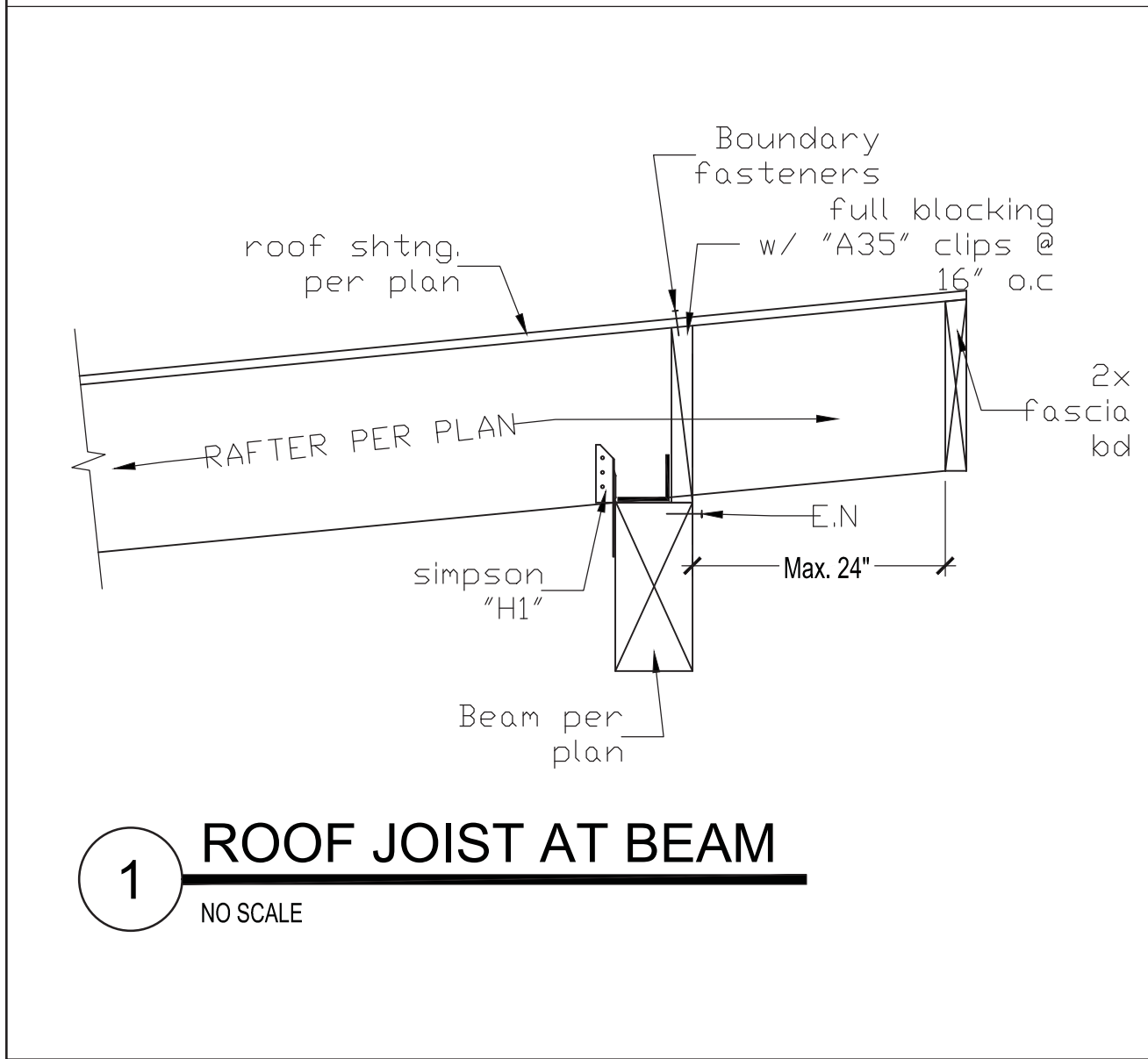
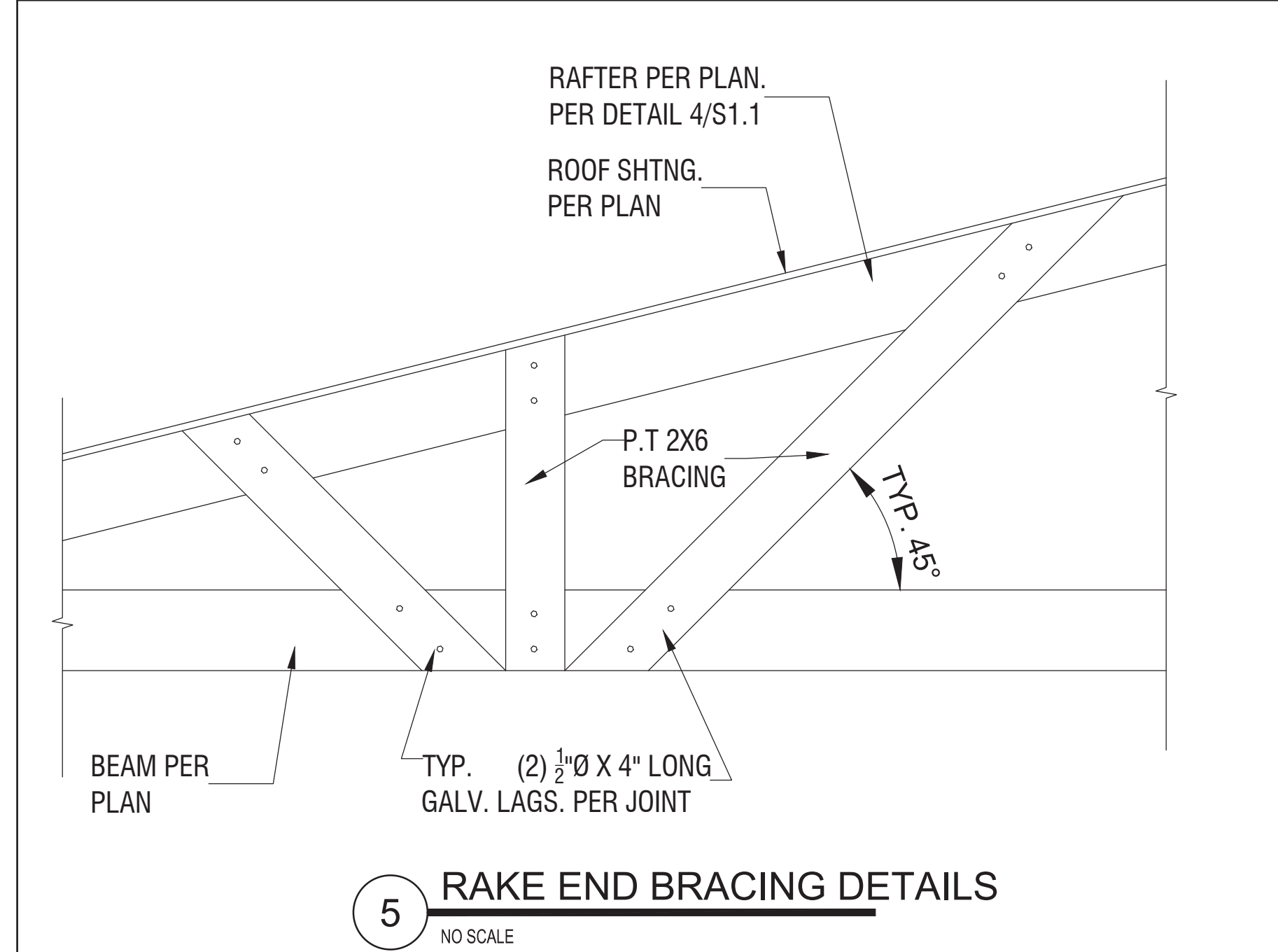
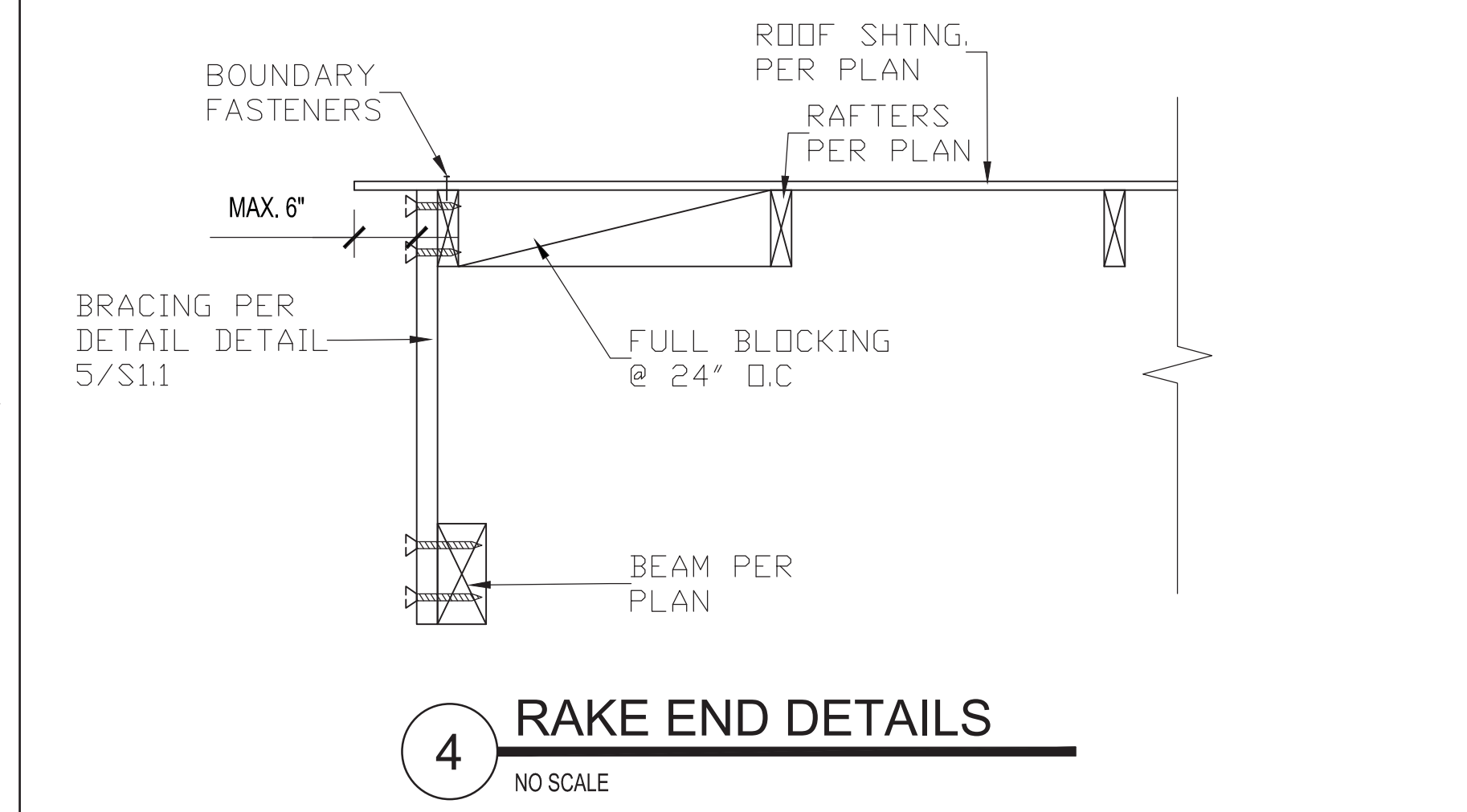
2. REINFORCING STEEL SHALL BE GRADE 60 (fy=60 KSI)

WOOD/LUMBER

A. ALL WOOD/LUMBER SHALL BE "DF-L No. 2" UNLESS NOTIFIED OTHERWISE ON PLANS AND DETAILS

B. DURABLE OR PRESSURE TREATED WOOD AT LOCATIONS EXPOSED TO WEATHER

GOVERNING BUILDING CODE:	2019 CALIFORNIA BUILDING CODE
GRAVITY DESIGN	
ROOF (2X RAFTERS @ 24" O.C):	
DEAD LOAD.....	10 PSF
LIVE LOAD.....	20 PSF
FOUNDATION DESIGN	
CONTINUOUS FOOTINGS.....	1500 P.S.F
ISOLATED RECTANGULAR FOOTINGS.....	1500 P.S.F



NO.	REVISIONS

GMD
Geri M. Daliva
REGISTERED PROFESSIONAL ENGINEER
No. 065185
DPRES 19-36-23
CIVIL
STATE OF CALIFORNIA
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Geri Martin Daliva
Engineers & Designs
(831) 800-7671 / (831) 840-4284

Project:	NEW CARPORT
Owner:	Chris Boehner
Address:	21530 Almaden Rd., San Jose, CA

Sheet Content:
**FOUNDATION PLAN,
ROOF FRAMING PLAN.
NOTES, & DETAILS**

Drawn: Manuel Urbano	GD
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2019 CALIFORNIA RESIDENTIAL CODE

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232 INTERNATIONAL CODE COUNCIL® 2019 CALIFORNIA RESIDENTIAL CODE

2019 CALIFORNIA RESIDENTIAL CODE

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GM^D

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gmd.eng3@gmail.com

REGISTERED PROFESSIONAL ENGINEER
GEORGINO M. DALIVA
No. 065185
EXPIRES 09-30-23
CIVIL
STATE OF CALIFORNIA

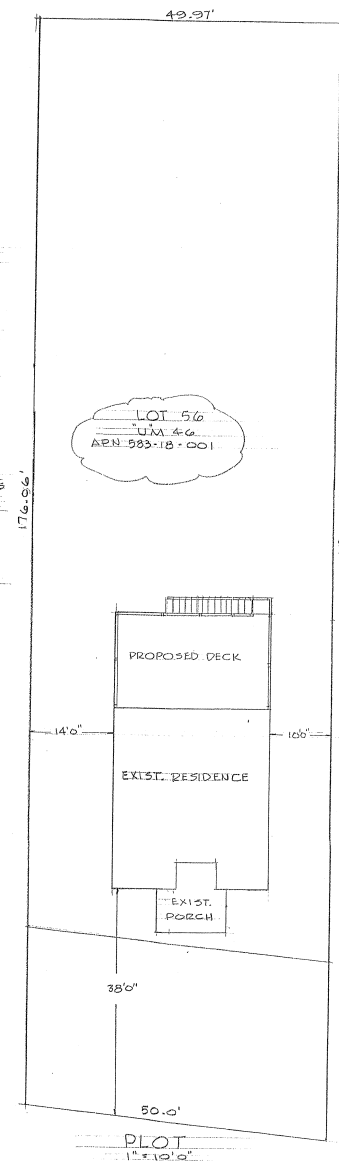
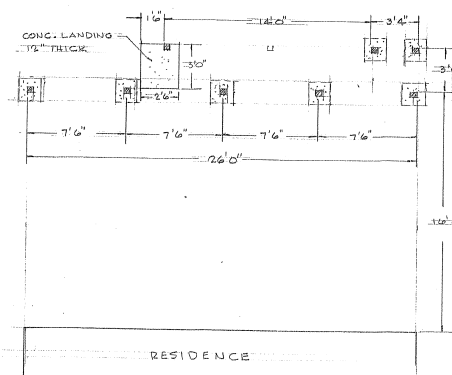
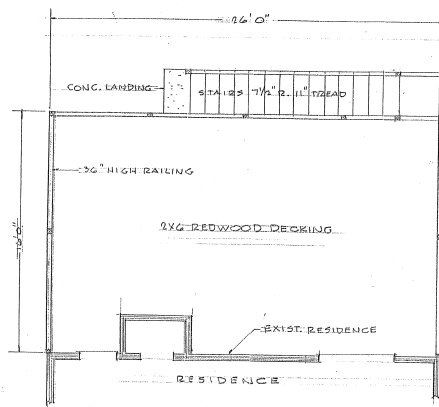
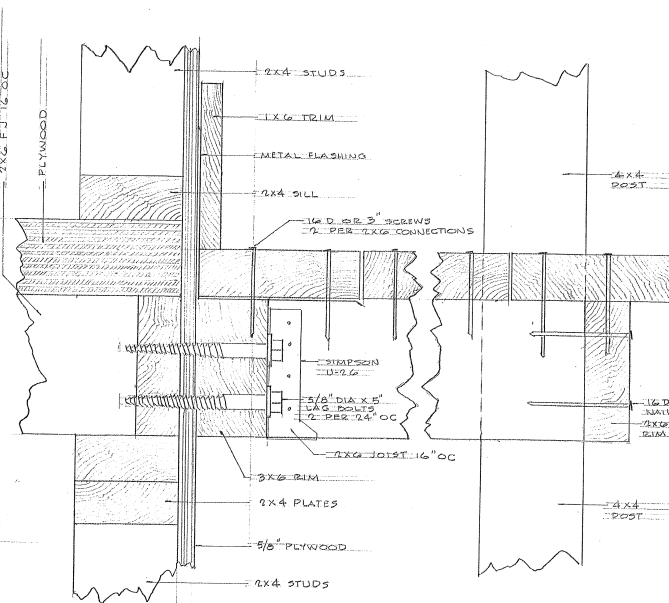
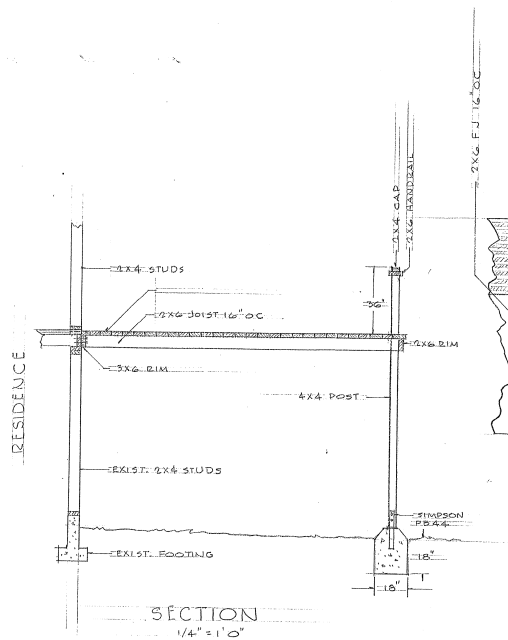
Geri Martin Daliva
Engineers & Designs
(831) 800-7671 / (831) 840-4284

Project:	NEW CARPORT	
Owner:	Chris Boehner	Address: 21530 Almaden Rd. San Jose, CA

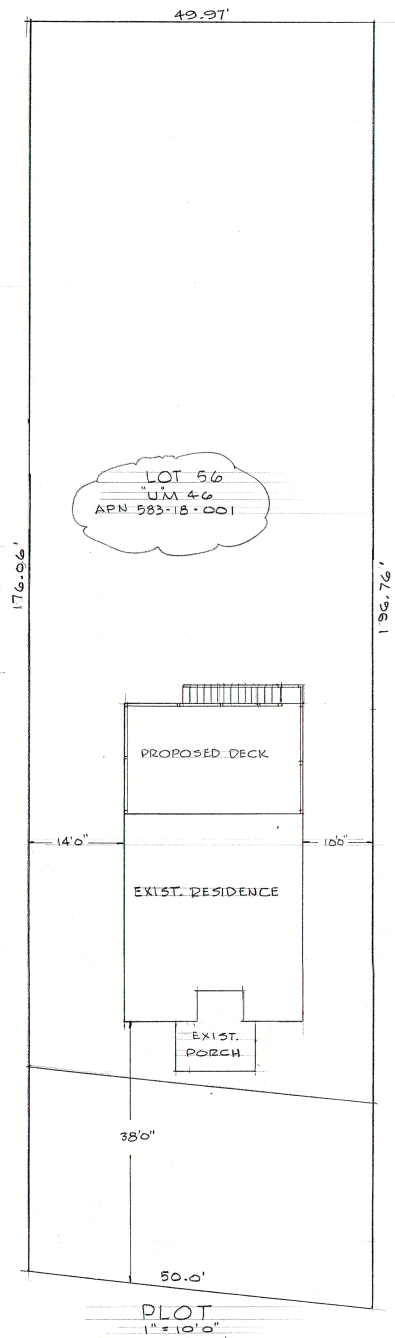
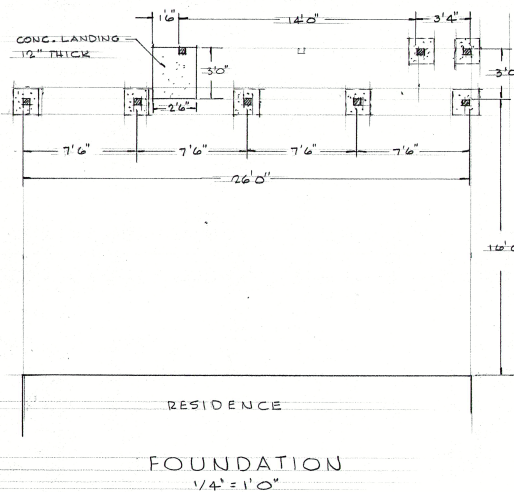
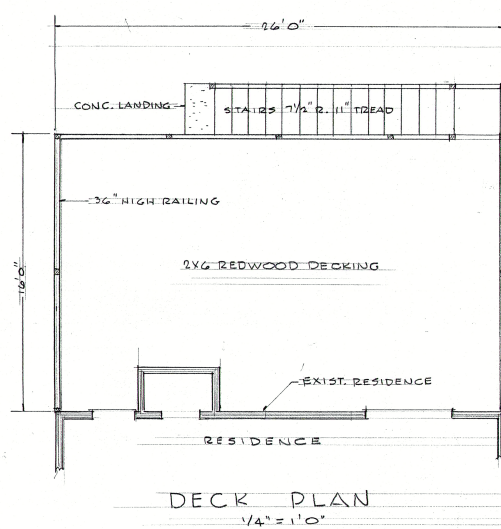
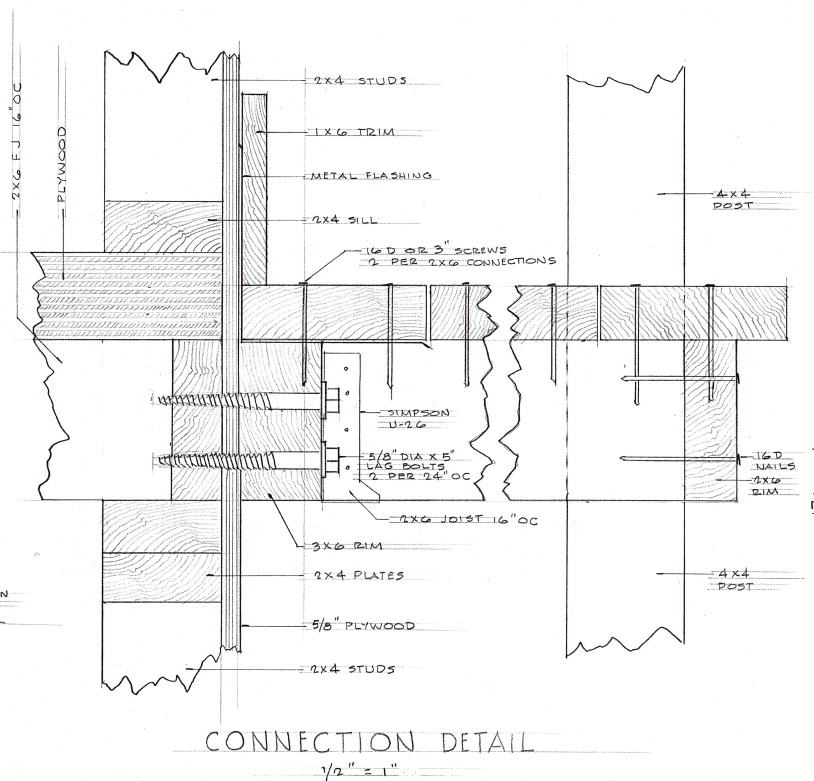
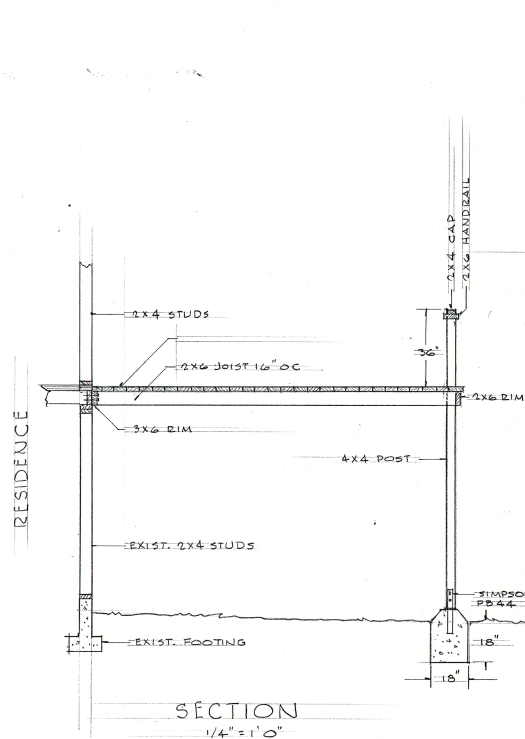
CROSS SECTIONS & NAILING SCHEDULE

Drawn: Manuel Urbano

S - 2.1



DECK FOR
MR. CHRIS BOEHNER
21530 ALMADEN RD.
SAN JOSE, CALIF. 95120



DECK FOR
MR. CHRIS BOEHNER
21330 ALMADEN RD.
SAN JOSE, CALIF. 95120

Coating Category	VOC Limit
Flat coatings	50
Nonflat coatings	100
Nonflat high-flow coatings	150
SPECIALTY COATINGS	
Aluminum roof coatings	400
Aluminum specialty coatings	350
Bituminous roof coatings	50
Bituminous roof primers	350
Brick treatments	100
Concrete curing compounds	50
Concrete/masonry sealers	350
Driveway sealers	50
Dry-fog coatings	150
Fat-finding coatings	50
Fat-resistant coatings	100
Floor coatings	100
Form-release coatings	250
High-traffic anti-slip coatings (top paints)	250
High-temperature coatings	420
High-temperature maintenance coatings	250
Latex solids coatings	120
Magnetic cement coatings	400
Metallic bronze coatings	100
Metallic pigment coatings	100
Multi-color coatings	250
Protective wax primers	420
Refractory metal substrates	100
Reactive penetrating sealers	350

Urethane	530
Specialty primers, sealers and undercoaters	150
Epoxy	260
Silicon	250
Silicone consolidants	480
Sealing	350
Non-sliming pool coatings	490
Traffic marking coatings	100
Tube and tile refinishing coatings	420
Waterproofing membranes	250
Wood coatings	275
Wood preservatives	350
Zinc-rich primers	340

a. Grams of VOC per liter of coating, including water and including exempted compounds.

b. The specified limits remain in effect unless revised limits are listed in subsequent editions in the table.

c. Values in this table are derived from those specified by the California Air Resources Board, Architectural Coatings Segregated Control Measure.

[illegible]

Construction Waste Management (CWM) Plan	
Fill out the form including diversion rate and facility names and addresses	
Project Name: 21550 Almaden	Legend: _____
Job # AR22-018R	_____ Hauling Company
Project Manager: N/A	_____ Sorting Facility Name and Location
Waste Hauling Company: _____	_____ Disposal Service Company
Contact Name: Chris Boehner	

[illegible]

Construction Waste Management (CWM) Worksheet

Project Name: _____			
Job Number: _____			
Project Manager: _____			
Waste Hauling Company: _____			
Construction Waste Management (CWM) Plan			
WASTE MATERIAL TYPE	DIVERSION METHOD:		PROJECTED DIVERSION RATE
	COMINGLED AND SORTED OFF SITE	SOURCE SEPARATED ON SITE	
Asphalt			
Concrete			
Shingles			
Metal			
Wood			
Refr. insulation			
Fiberglass insulation			
Acoustics ceiling tile			
Gypsum drywall			
Carpet/carpent pad			
Plastic pipe			
Plastic buckets			
Plastic			
Handpump, tubing and boards			
Glues			
Ice-chopped			
Pellets			
Gas effect tank, paper, glass & plastic bottles, cans, plastic			
Calculation and recyclable materials, loose cartidges, and electronic boxes			
Other:			
Other:			
Other:			
Other:			

[illegible]

ASSEMBLY PRODUCT:								
A	B	C	D	E	F	G	H	I
Assembly Product**	Material Weight (lb)	Material Weight (%)	Post-Consumer Recycled Content(lb)	Post-Consumer Recycled Content (%)	Pre-Consumer Recycled Content(lb)	Pre-Consumer Recycled Content (%)	Proportional Post-Consumer Content (%)	Proportional Pre-Consumer Content (%)
Total Weight:								
			Assembly Post-Consumer Recycled Content:					
			Assembly Pre-Consumer Recycled Content:					

* One one sheet per assembly product.

** Materials used as components of the structural frame shall not be used to calculate recycled content. The structural frame includes the load bearing structural elements, such as wall studs, joists, sills, columns, beams, girders, joints, rafters, and trusses.

The sum of post consumer and pre-consumer recycled contents of each material in the assembly product cannot exceed 100%.

RECYCLED CONTENT - DECLARATION STATEMENT	
Project Name:	
Project Location:	
Project Manager:	
Project Owner:	

[illegible]

The following section shall be completed by a person with overall responsibility for the planning and design portion of the project.

DECLARATION STATEMENT:

- I certify under penalty of perjury, under the laws of the State of California, the information provided is true and correct.
- I certify that the materials, components, assembly products or manufactured devices identified on this certificate conform to all applicable codes and regulations, and the installation is consistent with the plans and specifications approved by the enforcing agency.

Responsible Person's Name:	Responsible Person's Signature:
Date Signed:	Position Title:
Notes:	Attachments:



ITEM #	CALGREEN CODE SECTION	REQUIREMENT	APPLICANT TO COMPLETE		Installer or Designer Verification
			Plan Check	Review Date	
MATERIAL CONSERVATION & RESOURCE EFFICIENCY			REFERENCE SHEET	Note or Detail	DATE
9	4.406.1	Annular spaces around pipes, electric cables, conduits or other openings in plates at exterior walls are protected against the passage of rodents by closing such openings with cement mortar concrete masonry or other method acceptable to the County of Santa Clara.	CG-2	Note 9	Installer or Designer Signature
10	4.408.1	Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste. Submit either a Construction Waste management plan (CALGreen 4.408.2) or utilize a waste management company (CALGreen 4.509.3).	CG-2	Note 10	
11	4.408.5	Documentation is provided to County of Santa Clara which demonstrates compliance with CALGreen sections 4.408.2 & 4.408.3.	CG-1	Construction Waste Management Forms	
12	4.410.1	An operation and maintenance manual is placed in the building at the time of final inspection.	CG-2	Note 12	
ENVIRONMENTAL QUALITY, MANDATORY REQUIREMENTS			ENVIRONMENTAL QUALITY, MANDATORY REQUIREMENTS		
13	4.503.1	Any installed gas fireplace is a direct-vent sealed-combustion type.	CG-2	Note 13	
14	4.504.1	Installed woodstove or pellet stove comply with US EPA Phase II emission limits where applicable.	CG-2	Note 14	
15	4.504.2.1	Duct openings and other related air distribution component openings are covered during construction until final status of the HVAC equipment.	CG-1	Table 4.504.1 Table 4.504.2 Note 15	
16	4.504.2.2	Adhesives, sealants and caulks are compliant with VOC and other toxic compound limits.	CG-2	Table 4.504.3	
17	4.504.2.3	Architectural paints and coatings are compliant with VOC limits.	CG-2	Note 16	
18	4.504.2.4	Aerosol paints and coatings are compliant with product weighted HER limits for HOC and other toxic compounds.	CG-2	Note 17	
19	4.504.2.4	Documentation is provided to the County of Santa Clara to verify that compliant VOC limit systems meet these been used.	CG-2	Note 18	
20	4.504.3	Carpet and carpet systems meet the applicable testing and product requirements.	CG-1	Table 4.504.1 Table 4.504.2 Note 19	
21	4.504.4	80 percent of floor area receiving resilient flooring comply with applicable standards.	CG-2	Note 20	
22	4.504.5	Hardwood plywood, particleboard and medium density fiberboard composite wood formable limits.	CG-2	Table 4.504.5	
23	4.504.5		CG-1	Note 21	

PRODUCT	CURRENT LIMIT
Hardwood plywood veneer core	0.05
Hardwood plywood composite core	0.05
Particleboard	0.09
Medium density fiberboard	0.11
Thin medium density fiberboard ^b	0.13

TABLE 4.504.3
VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS^{2,3}
Grams of VOC per Liter of Coating,
Less Water and Less Exempt Compounds

		standard
21	4.504.5	Hardwood medium wood m

Specialty primers, sealers and undercoaters	100
Stains	250
Stone consolidants	450
Swimming pool coatings	340
Traffic marking coatings	100
Tub and tile refinish coatings	420
Waterproofing membranes	250
Wood coatings	275
Wood preservatives	350
Zinc-rich primers	340

hauled and the waste diversion rate being achieved, gross weights and diversion rates for commingled that **21530 Almaden** with the responsible parties to track the material ty rates for these materials.

9. In the event that Subcontractors furnish their own excluded from complying with the CWM Plan and

Fill out the form including diversion rate and facility names and addresses.

All Subcontractors shall comply with the project's Construction Waste Management Plan.
All Subcontractor foremen shall sign the CWM Plan Acknowledgment Sheet.

Subcontractors who fail to comply with the Waste Management Plan will be subject to backcharges or withholding of payment, as deemed appropriate. The amount of the backcharge or withholding shall be determined by the General Contractor.

1. The project's overall rate of waste diversion will be ____ %.
2. This project shall generate the least amount of waste possible by planning and ordering carefully, following all proper storage and

3. Spreadsheet 1, enclosed, identifies the waste materials that will be generated on this project, the diversion strategy for each waste type and the anticipated diversion rate.

4. Waste prevention and recycling activities will be discussed at the beginning of weekly subcontractor meetings. As each new subcontractor comes on-site, the WMP Coordinator will present him/her with a copy of the CWM Plan and provide a tour of the jobsite to identify materials to be salvaged and the procedures for handling jobsite debris. All Subcontractor foremen will acknowledge in writing that they have read and will abide by the CWM Plan. Subcontractor Acknowledgment Sheet enclosed. The CWM Plan will be posted on the jobsite trailer.

5. Salvage: Excess materials that cannot be used in the project, nor returned to the vendor, will be offered to site workers, the owner, or donated to charity if feasible.

6. N/A will provide a commingled drop box at the jobsite for most of the construction waste. These commingled

drop boxes will be taken to N/A. The average diversion rate for commingled waste will be ____%. As site conditions permit, additional drop boxes will be used for particular phases of construction (e.g., concrete and wood waste) to ensure the highest waste diversion rate possible.

7. In the event that the waste diversion rate achievable via the strategy described in (6) above, is projected to be lower than what is

required, then a strategy of source-separated waste diversion and/or waste stream reduction will be implemented. Source separated waste refers to jobsite waste that is not commingled but is instead allocated to a debris box designated for a single material type, such as clean wood or metal.

1. Waste stream reduction refers to efforts taken by the builder to reduce the amount of waste generated by the project to below four (4) pounds per square foot of building area.
2. When using waste stream reduction measures, the gross weight of the product is subtracted from a base weight of four (4) pounds per square foot of building area. This reduction is considered additional diversion and can be used in the waste reduction calculation.

8. N/A will track and calculate the quantity (in tons) of all waste leaving the project and calculate the waste diversion rate for the project. N/A will provide Project Manager with an updated monthly report on gross weight

hauled and the waste diversion rate being achieved on the project. N/A monthly report will track separately the gross weights and diversion rates for commingled debris and for each source-separated waste stream leaving the project. In the event that 21530 Almaden generates any or all of the debris boxes on the project, the Owner will work with the responsible parties to track the material type and weight (in tons) in such debris boxes in order to determine waste diversion

9. In the event that Subcontractors furnish their own debris boxes as part of the scope of work, such Subcontractors shall not be excluded from complying with the CWM Plan and will provide N/A weight and waste diversion data for their debris boxes.

10. In the event that site use constraints (such as limited space) restrict the number of debris boxes that can be used for collection of designated waste the project Superintendent will, as deemed appropriate, allocate specific areas onsite where individual material types are to be consolidated. These collection points are not to be contaminated with non-designated waste types.

11. Debris from jobsite office and meeting rooms will be collected by _____ Owner

_____ will, at a minimum, recycle office paper, plastic, metal and cardboard.

	GAIC	GAIC
--	------	------

CALGreen U
Construction of f

County of Sa

Waste Hauling Company: _____

Construction Waste Management (CWM) Plan

Construction Waste Management (CWM) Plan		
	DIVERSION METHOD:	

WASTE MATERIAL TYPE	PROJECTED DIVERSION RATE	
	COMMINGLED AND SORTED OFF SITE	SOURCE SEPARATED ON SITE
Asphalt		
Concrete		

Styrofoam		
Metals		
Wood		
Rigid insulation		
Fiberglass insulation		
Acoustic ceiling tile		
Gypsum dry wall		
Acoustic/acoust pad		
Plastic pipe		
Plastic buckets		
Plastic		
Handpump valves and boards		
Flare		
Flare		
Cardboard		
Pallets		
Leafy tree trunk, paper, glass & plastic bottles, www.4plants.com		
Alkaline and rechargeable batteries, laser cartridges, and electronic devices		
Other:		
Other:		
Other:		
Other:		

T E F I B I L C I B I C

One or Two Family Residential Project

a Clara

Note: This sample form may be used to assist in documenting compliance with the waste management plan.

Waste Hauling Company: _____

WM Plan Acknowledgment

I have read the Waste Management Plan for the project; I understand the goals of this plan and agree to follow the procedures described in it.

DATE	SUBCONTRACTOR COMPANY NAME	FOREMAN NAME	SIGNATURE

[illegible]

30/2020

CALGreen One or Two Family Residential Project Mandatory Requirements County of Santa Clara