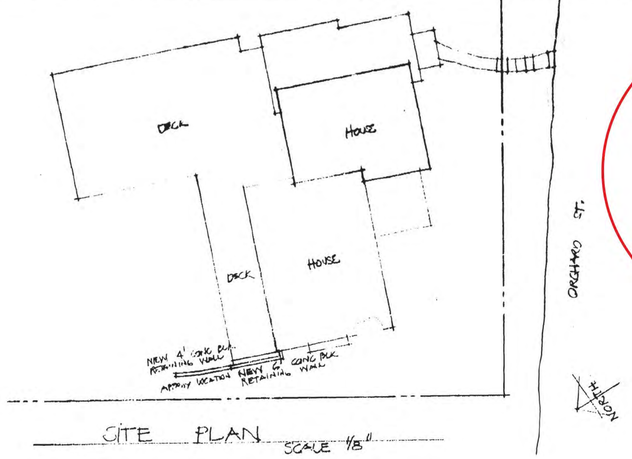
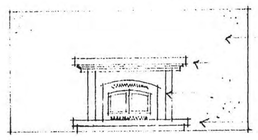
1. Replace 6/8 existing windows w/ dual glaze - windows will match all other windows already installed.
2. Replace one set of French doors with similar doors which are 6'-8" high.
3. Add underpinning to foundation – see structural engr's drawings.
4. Add retaining wall outside in yard – see structural engr's drawings.
5. Replace old fireplace destroyed in earthquake w/ new

ADDITIONS TO PLANS RE-PERMITTED APRIL 28, 1995

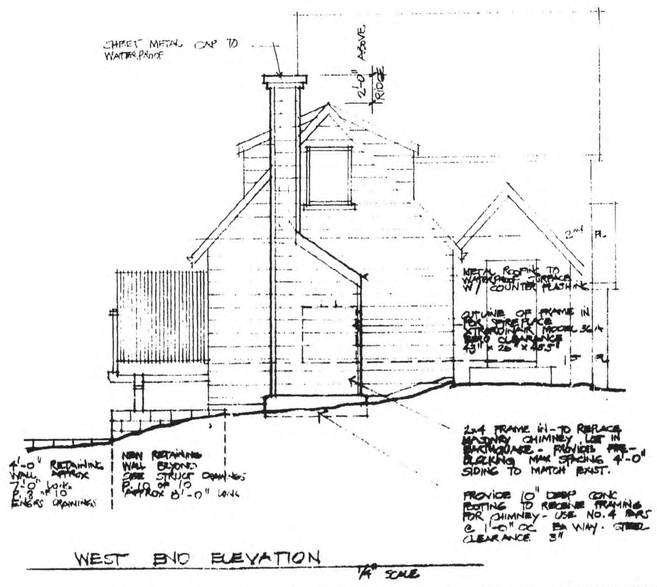
1. REPLACE 8 EXIST. WINDOWS W/ PELLA DBL GLAZE - PELLA WINDOWS WILL MATCH ALL OTHER WINDOWS ALREADY INSTALLED.
2. REPLACE ONE SET OF FRENCH DOORS WITH SIMILAR DOORS WHICH ARE 6'-8" HIGH
3. ADD UNDERPINNING TO FOUNDATION - SEE STRUCT. ENGRS. DRAWINGS
4. ADD RETAINING WALL OUTSIDE IN YARD SEE STRUCT ENGR. DRAWINGS.
5. REPLACE OLD FIREPLACE DESTROYED IN EARTHQUAKE W/ NEW EXACT PHASE II FIREPLACE



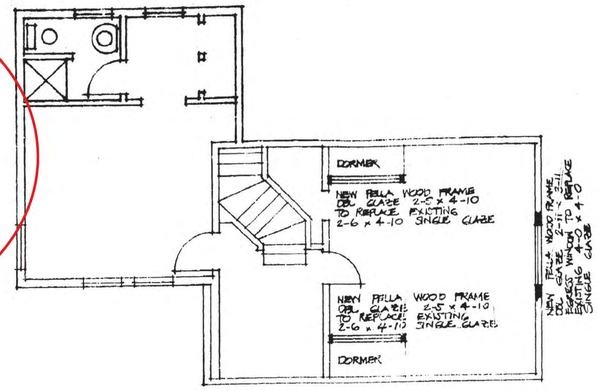
SITE PLAN SCALE 1/8"



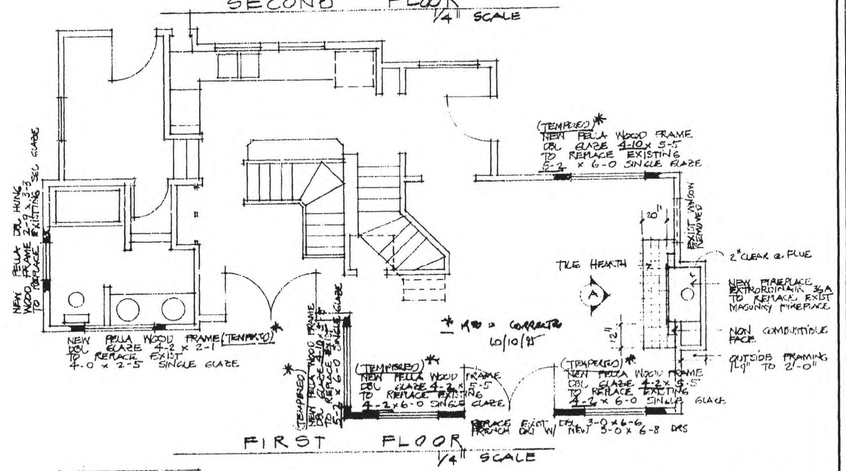
FIREPLACE ELEVATION SCALE 1/4"



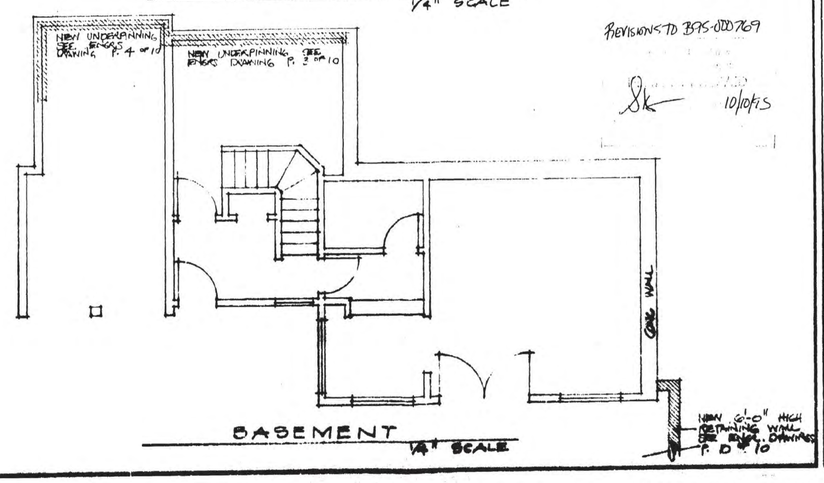
WEST END ELEVATION 1/4" SCALE



SECOND FLOOR 1/4" SCALE



FIRST FLOOR 1/4" SCALE



BASEMENT 1/4" SCALE

REVISIONS TO BPS-000769

10/10/95

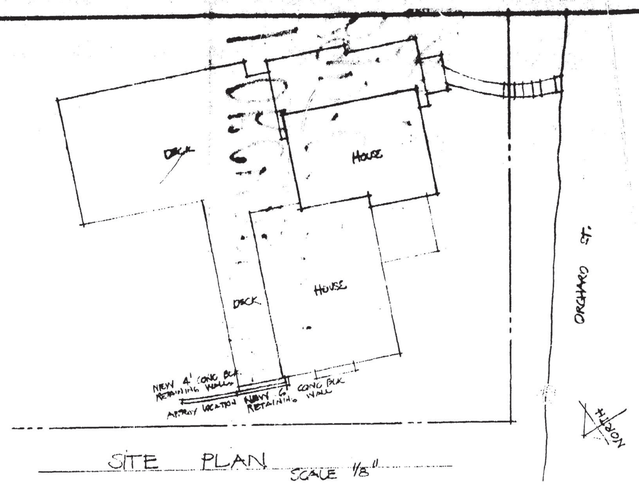
REVISIONS	BY

ADDITIONS TO PLANS RE-PERMITTED 4/28/95
ROBERT H. WINDELER JR. WINDELER
1 ORCHARD ST. 92032
LOT 6 TR 1, OR
IN OREGON

Date	7/19/85 10/10/95
Scale	SHOWN
Drawn	BOB WINDELER
Job	
Sheet	1 of 1 Sheets

24X

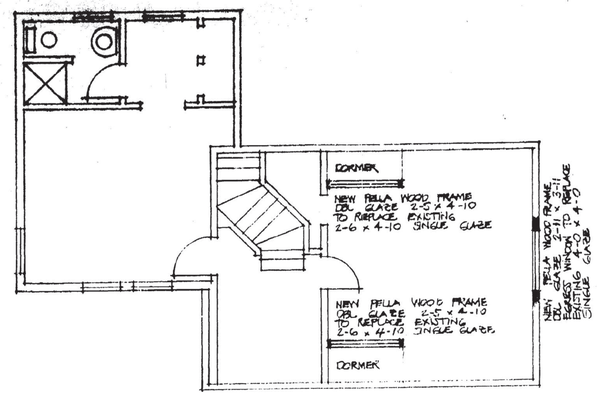
ATTACHMENT 6



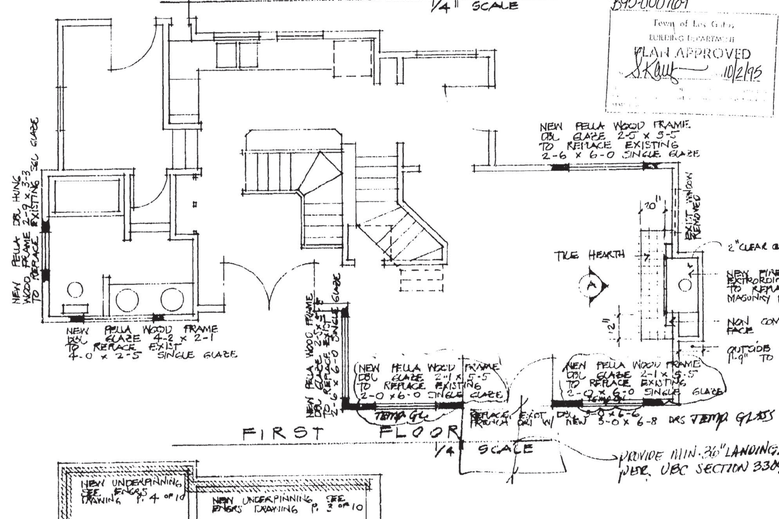
SITE PLAN SCALE 1/8"

ADDITIONS TO PLANS RE-PERMITTED APRIL 28, 1995

1. REPLACE 8 DBL HUNG WINDOWS W/ PELLA DBL GLAZE PELLA WINDOWS. WALL MARCH ALL OTHER WINDOWS ALREADY INSTALLED.
2. REPLACE ONE SET OF FRENCH DOORS WITH SIMILAR DOORS WHICH ARE 6'-8" HIGH
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4. ADD RETAINING WALL OUTSIDE IN YARD SEE STRUCT ENGRS DRAWINGS
5. REPLACE OLD FIREPLACE DESTROYED IN EARTHQUAKE W/ NEW EPA PHASE II FIREPLACE



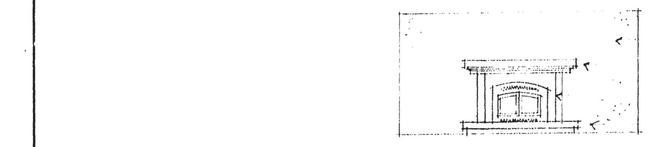
SECOND FLOOR 1/4" SCALE



FIRST FLOOR 1/4" SCALE

PROVIDE MIN. 36" LANDING, PER UBC SECTION 3304.

WEST END ELEVATION 1/4" SCALE



FIREPLACE ELEVATION SCALE 1" = 1/4"

NEW UNDERPINNING SEE DRAWING P. 4 OF 10

NEW UNDERPINNING SEE DRAWING P. 3 OF 10

ALL WORK SHALL COMPLY WITH 1991 UBC, UMC, UPC AND 1990 NEC.

RECEIVED
SEP 19 1995
TOWN OF LOS GATOS
BUILDING/ENGINEERING SERVICES

CONC WALL

NEW 6'-0" HIGH RETAINING WALL SEE STRUCT DRAWINGS P. 10 OF 10

BASEMENT 1/4" SCALE

B95-000769
Town of Los Gatos
BUILDING DEPARTMENT
PLAN APPROVED
10/2/95

PLANNING DEPARTMENT APPROVED
CHANGES HAVE BEEN APPROVED AS A MODIFICATION TO WHAT WAS APPROVED ON THIS SET IS REQUIRED PRIOR TO ANY CHANGE
10/2/95

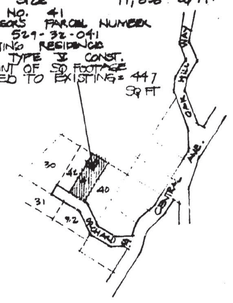
REVISIONS	BY

ADDITIONS TO PLANS REPERMITTED 4/28/95
ROBERT H. WINDELER JR. ARCHITECT
1 ORCHARD ST.
LOS GATOS, CA 95032
[redacted]
IN ORCHARD

Date 7/19/95
Scale SHOWN
Drawn BOB WINDELER
Job
Sheet 1 of 1 sheets

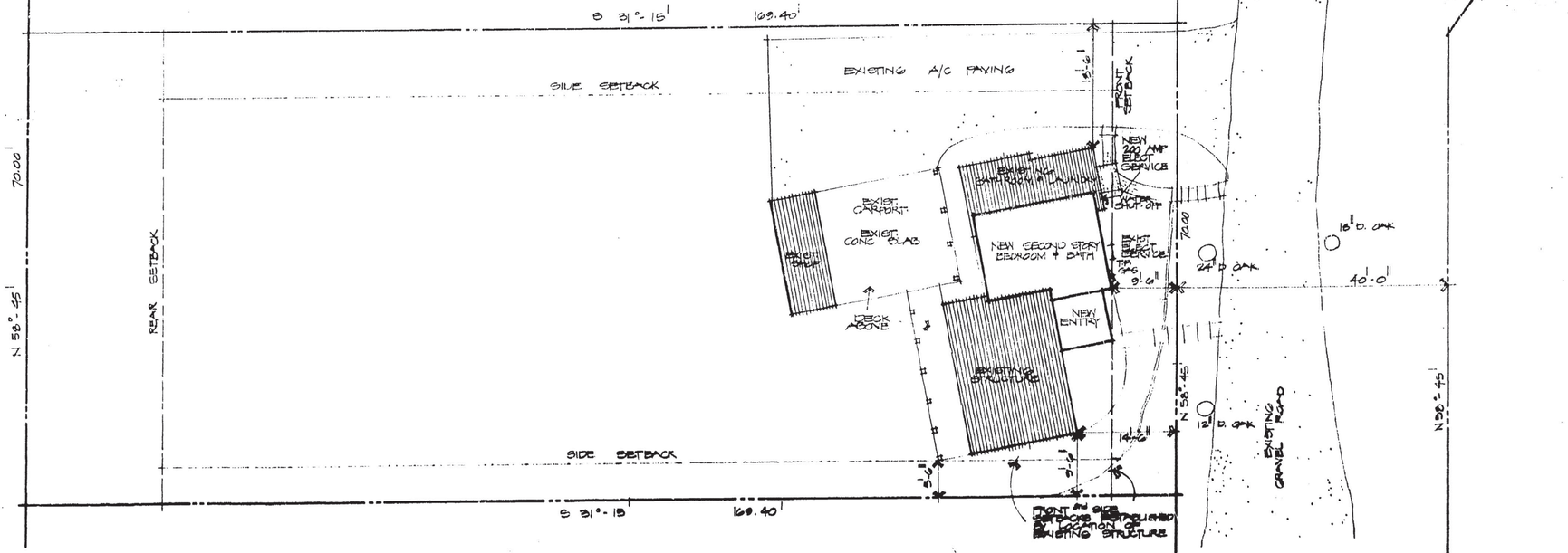
24X

1 ORCHARD ST.
LOS GATOS CA.
ZONING R-1
LOT SIZE 10,000 SQ FT.
11,898 SQ FT.
LOT NO. 41
ASSESSOR'S PARCEL NUMBER
529-32-041
EXISTING RESIDENCE
TYPE V CONST.
AMOUNT OF SQ FOOTAGE
ADDED TO EXISTING = 447 SQ FT



VICINITY MAP
NO SCALE

WATER METER LOCATED AT OR NEAR CORNER OF ORCHARD ST. AND CENTRAL AVE.



SITE PLAN 16' SCALE

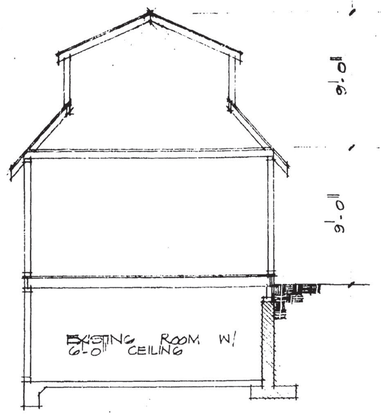
Town of Los Gatos
BUILDING DEPARTMENT
PLAN APPROVED
By [redacted] Date 4/28/75
THE STAMPING OF THIS PLAN SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATION OF ANY TOWN OR STATE LAWS.

PROPOSED ADDITION TO THE RESIDENCE
OF
MR & MRS R.H. WINDELER JR.
NO. 1 ORCHARD ST.
LOS GATOS, CALIFORNIA 95030

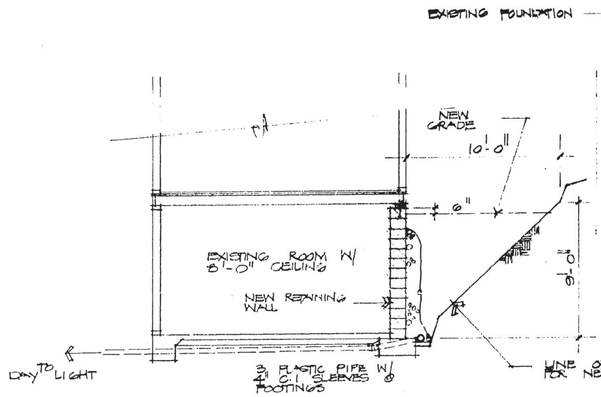
ROBERT H. WINDELER JR. AIA
architect
[redacted]

Date JUNE 1, 75
Scale
Drawn RW
Job
Sheet
of 7 sheets

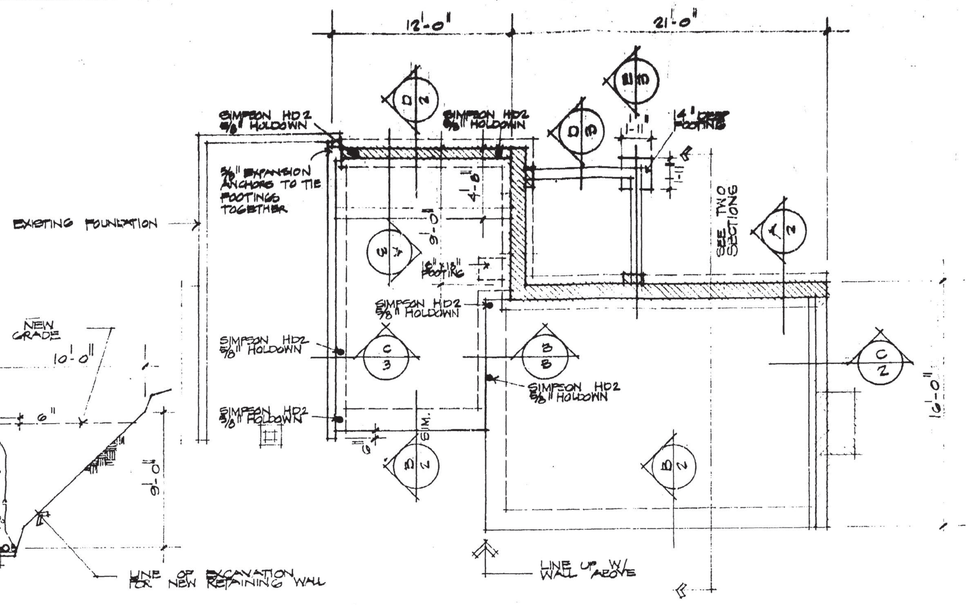
24X



EXISTING SECTION
1/4" SCALE



PROPOSED ADDITION OF NEW RETAINING WALL
1/4" SCALE



FOUNDATION PLAN
1/4" SCALE

RETAINING WALL CALCULATIONS

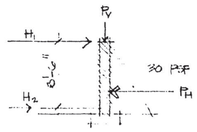
Pv LOADS

ROOF
D.L. = 8.55 x 8 = 68
L.L. = 16.0 x 8 = 128
TOTAL = 196 lbs.

TOP FLOOR
D.L. = 4.83 x 8 = 38
L.L. = 40.0 x 8 = 320
TOTAL = 358 lbs.

MAIN FLOOR
D.L. = 4.83 x 8 = 38
L.L. = 40.0 x 8 = 320
TOTAL = 358 lbs.

P_v = 912 lb/ft



LATERAL BENDING @ WALL

$P_H = 30 \times 8.5^2/2 = 1084$ lbs.
$H_1 = 1084/3 = 361$ lbs.
$H_2 = 1084/3 \times 2 = 723$ lbs.
$M = 0.1283\ WL$
$0.1283 \times 1084 \times 8.5 = 11812$ lbs.

CONC. BLOCK WALL

$n = 44$
$f_s = 20{,}000$ PSI
$f'_m = 750$ PSI → NO INSPECTION
$f_m = 250$ PSI

TRY 12" CONC BLOCK W/ #4 bars @ 24" oc

#4 bars @ 16"oc MEET UBC MIN REQ.
$d = 9$"

$p = \frac{A_s}{bd} = \frac{.2}{16 \times 9} = 0.00093$
$np = 0.0093 \times 44 = 0.041$
$z/kj = 8.80$ $\quad j = 0.9173$
$A_s = \frac{M}{f_s jd} = \frac{11812 \times 12}{24{,}000 \times .9173 \times 9} =$
$.09$ sq in./FT $> .1$ OK

INTERACTION FORMULA

$f_a = \frac{140\ psf \times .58 \times 8.5 \times 75 \times 1}{517.65 + 912} = \frac{1430}{9 \times 12} = 13.24$ Psi

$F_a = 0.2\, f'_m \left[1 - \left(\frac{h}{40r}\right)^3\right]$
$= .2\,(750)\left[1 - \left(\frac{8.5 \times 12}{40 \times 12}\right)^3\right]$
$= 150 \times [1 - .01] = 148.5$ PSI

$f_b = \frac{M}{bd^2} = \frac{2}{jk}$
$= \frac{11812 \times 2}{12 \times 9^2} \times 8.80 = 128.4$ PSI

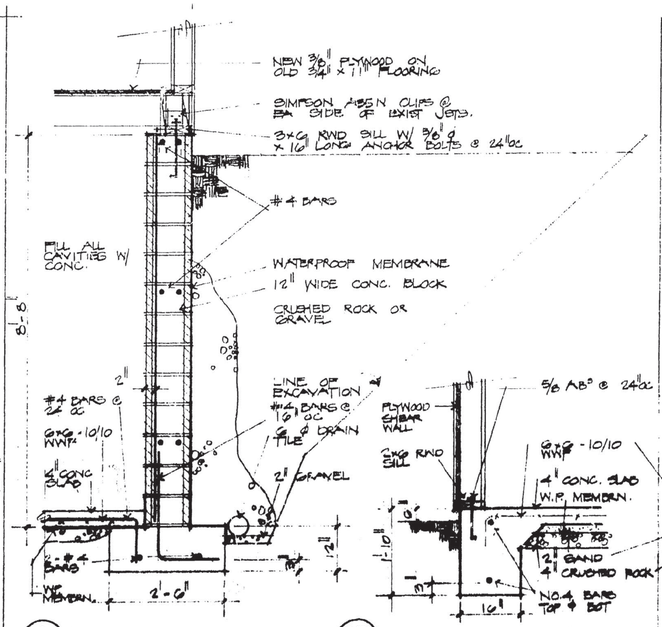
$F_b = .33 \times f'_m = .33 \times 750 = 250$ PSI

$\frac{f_a}{F_a} + \frac{f_b}{F_b} = \frac{13.24}{148.5} + \frac{128}{250}$
$= .09 + .61 = .60 < 1$ OK

FOOTING DESIGN

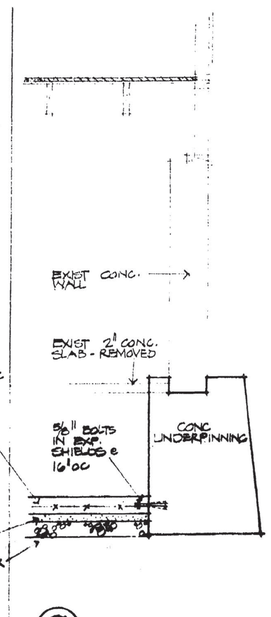
$P_f = 8.5 \times 1 \times 1 \times 140$ psf = 11.90 lbs.
+ 912 lbs.
2102 lbs.

WIDTH = $\frac{2102\ lbs.}{1000\ psf.} = 2.2$ FT

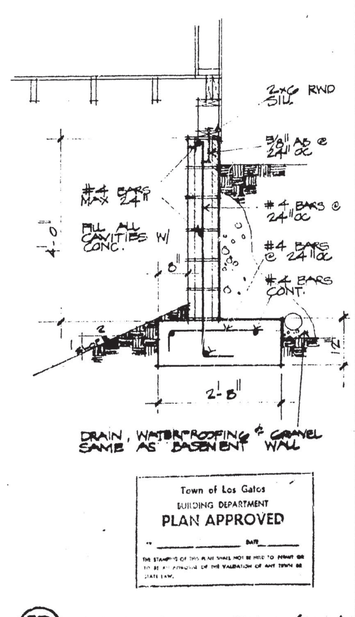


A BASEMENT WALL (NEW)
3/4" SCALE

B FOOTING (NEW)
3/4" SCALE



C UNDERPINNING
3/4" SCALE



D RETAINING WALL (NEW)
3/4" SCALE

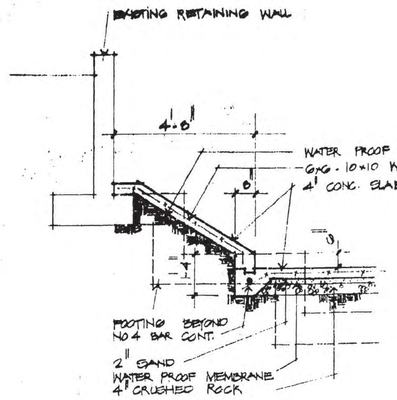
Town of Los Gatos
BUILDING DEPARTMENT
PLAN APPROVED
By _____ DATE _____
THE STAMP OF THIS PLAN SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATION OF ANY TOWN OR STATE LAW.

PROPOSED ADDITION TO THE RESIDENCE OF
MR.& MRS. R.H. WINDELER JR.
NO. 1 ORCHARD ST.
LOS GATOS, CALIFORNIA 95030

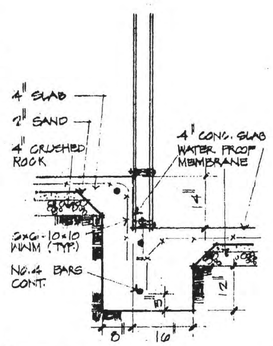
ROBERT H. WINDELER JR. AIA
architect
Los Gatos, California 95030

Date JUNE 1, 78
Scale
Drawn RW
Job
Sheet 2 of 7 Sheets

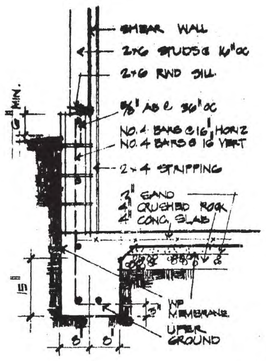
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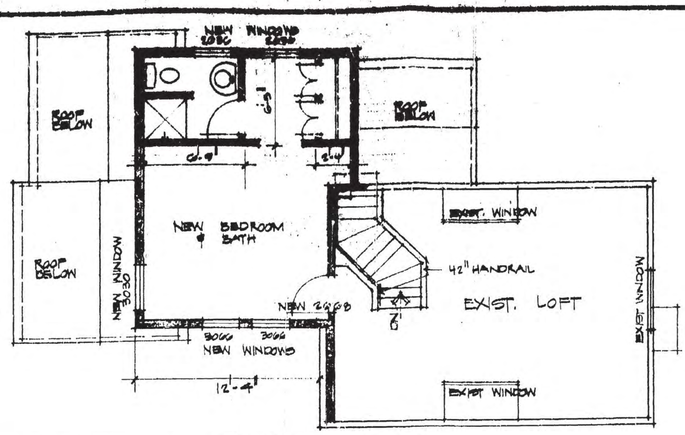
A SLAB @ SLOPE
1/2" SCALE

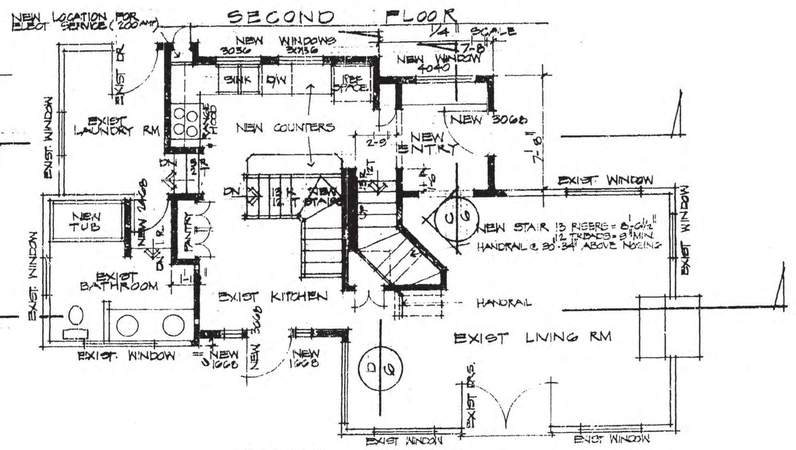


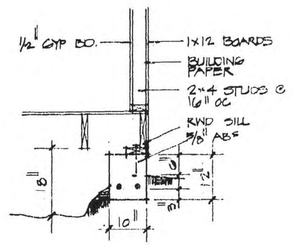
B STEP - UP
3/4" SCALE



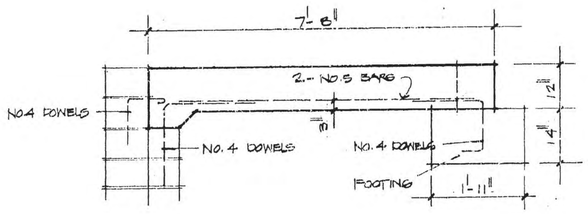
C FOOTING @ WALL
3/4" SCALE



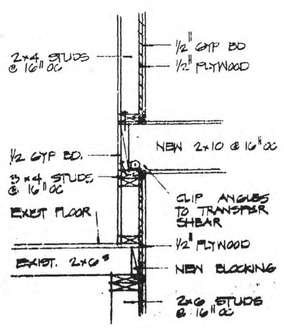




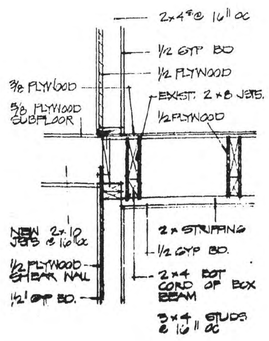
D GRADE BEAM
3/4" SCALE



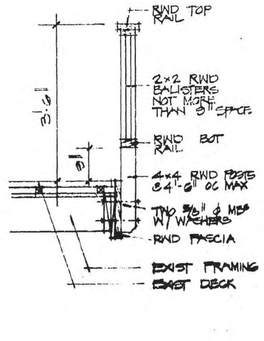
E GRADE BEAM SECTION
3/4" SCALE



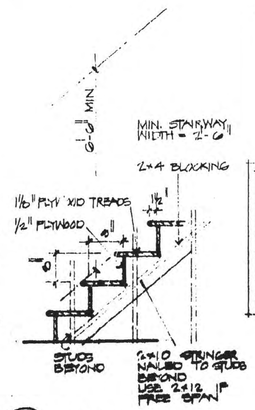
F FRAMING DETAIL
1" SCALE



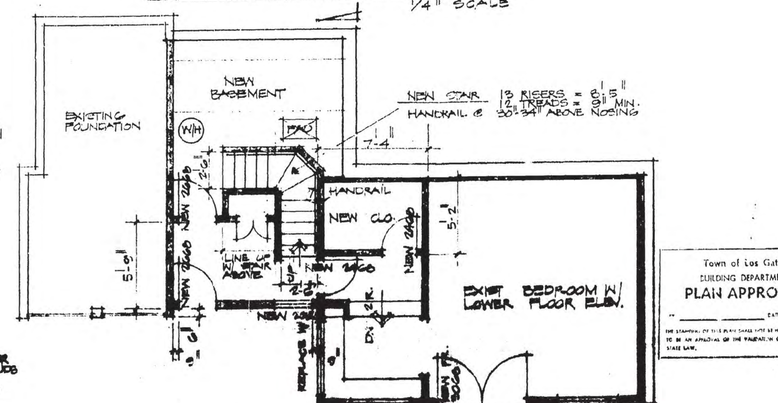
G FRAMING DETAIL
1" SCALE



H HANDRAIL
3/4" SCALE



I STAIRS
3/4" SCALE



BASEMENT
1/4" SCALE

FIRST FLOOR
1/4" SCALE

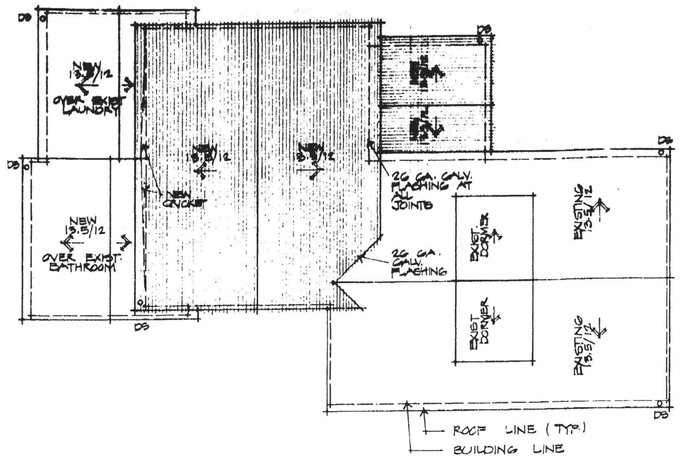
Town of Los Gatos
BUILDING DEPARTMENT
PLAN APPROVED
DATE
THE STAMPING OF THIS PLAN SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATION OF ANY PROVISION OF ANY STATE LAW.

PROPOSED ADDITION TO THE RESIDENCE OF
MR & MRS. R.H. WINDELER JR.
NO. 1 ORCHARD ST.
LOS GATOS, CALIFORNIA 95030

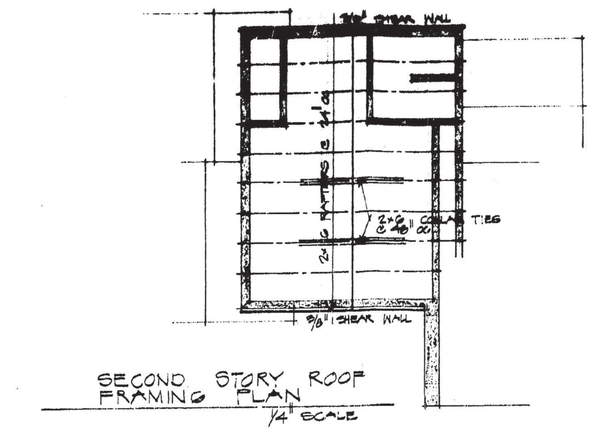
ROBERT H. WINDELER JR. AIA
architect

Dec 6, 78
RM
3
of 7 sheets

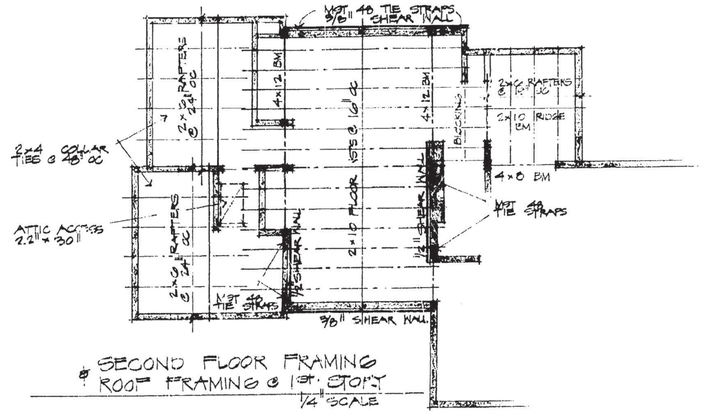
24X



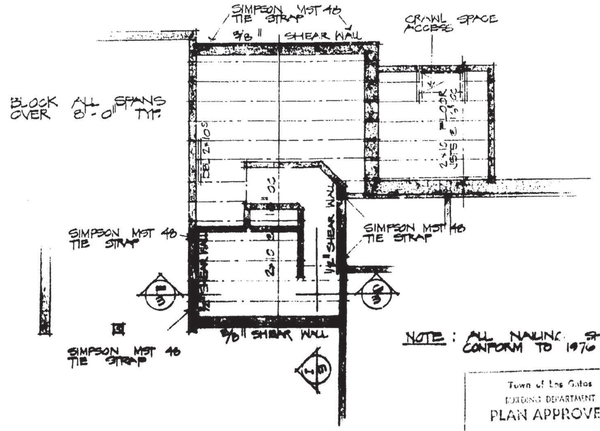
ROOF PLAN
1/4" SCALE



SECOND STORY ROOF FRAMING PLAN
1/4" SCALE



SECOND FLOOR FRAMING
ROOF FRAMING @ 1ST. STORY
1/4" SCALE



1ST. FLOOR FRAMING
1/4" SCALE

NOTE: ALL NAILING SHALL CONFORM TO 1976 UBC

Town of Los Gatos
BUILDING DEPARTMENT
PLAN APPROVED
_____ DATE _____
THE ISSUANCE OF THIS PLAN SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATION OF ANY TOWN OR STATE LAW.

ENGINEERING DATA

WEIGHTS OF BUILDING MATERIALS

LIGHT SHAKES	3 lbs/sq ft
BUILDING PAPER	1/2
1x 4 SPACED SHEATHING	1/2
R-19 (11½") FOAM PANELS	1½
3/8" PLYWOOD	1½
1x 12 PINE DECKING	1
2x6 @ 24" oc	
COLLAR TIES	
ROOF DEAD LOADS	10 lbs/sq ft.
RUG	1½
5/8" PLYWOOD	1½
2x10 @ 16" oc	2½
MISC.	½
FLOOR DEAD LOADS	6 lbs/sq ft.

ROOF SLOPE FACTOR



$\arctan \frac{13.5}{12} = 48°$

$Z = \frac{12}{\cos 48°} = 17.9$

SLOPE FACTOR = 1.5

GRADE BEAM DESIGN

ROOF TRIB AREA	1x 5 x 20	L.L.	100
	1x 5 x 9 x 1.5	D.L.	108
FLOOR " "	4x 5 x 40	L.L.	1200
	4x 2 x 6	D.L.	192
CONC. GRADE BM	150 x 1.33 x 1 x 5	D.L.	1330
TOTAL WT. @ 5 FT OF GRADE BM.			3336 lb

$M = \frac{WL}{8} = \frac{3336 \times 5 \times 12}{8} = 39{,}600$ in-lbs.

TRY CONC BM OF 10" x 12"

$A_s = \frac{M}{f_s j d} = \frac{39{,}600}{10000 \times .857 \times 9} = .285$ sq in.

MIN STEEL (aci) $\frac{200}{f_y} = .005$ $\frac{A_s}{10 \times 12} = .005$

$A_s = .6$ NO 3 BARS = .81 USE TWO NO.3 BARS

CHECK SHEAR

V = 3300/2 = 1650 lbs 3300/5 = 412 lbs./ft.

$V_d = 1650 - (9/12 \times 412) = 1341$ $v = \frac{V_d}{bd} = \frac{1341}{10 \times 9} = 12$ psi

12 psi < 60 psi ALLOW NO MIN REINF. REQD

CHECK BEARING

8" x 10" = 80 sq in. $\frac{1650}{80} = 20$ lbs/sq in. < 743 lbs/sq in. OK

FOOTING AT GRADE BEAMS

TOTAL WT. ON FTG. = 3556 lb

USE UBC SOIL BEARING MIN. OF 1000 lb/sq ft.

FOOTING SIZE = $\sqrt{\frac{3556}{1000}}$ = 1'-11" sq

WOOD BEAMS IN KITCHEN

LIVE LOADS	ROOF	7.5 x 1 x 20	150
	LOFT	6.5 x 40	260
	FLOOR	7.5 x 40	300
TOTAL LIVE LOADS			710 PSF
DEAD LOADS	ROOF	7.5 x 9 x 1.5	102
	LOFT	6.5 x 10	65
	FLOOR	7.5 x 6	45
TOTAL DEAD LOADS			212 PSF

FROM WESTERN WOODS USE BOOK SPAN 7'-0" TRY 4 x 12

F_b (BENDING FACTOR) = $\frac{M}{W} = \frac{1553}{922} = 1.68 > .996$ OK

F_v (SHEAR FACTOR) = $\frac{F_v}{W} = \frac{98}{922} = 1.06 > .098$ OK

E (STIFFNESS FACTOR) = $\frac{E}{N} = \frac{1.6 \times 10^6}{710} = 2233 > 632$ OK

USE 4 x 12 DF BEAMS (STRUCT NO1) AT KITCHEN

SHEAR WALLS & TIE DOWNS

SEE FOUNDATION PLAN FOR TIE DOWNS

EXTERIOR SHEAR WALLS

USE 9/8" CDX PLYWOOD W/ 8d COMM @ 6" OC @ PANEL EDGES AND 12" OC IN FIELD

INTERIOR SHEAR WALLS

USE ½" CDX PLYWOOD W/ 10d COMM @ 6" OC @ PANEL EDGES AND 12" OC IN FIELD

ROOF DIAPHRAGM

USE 5/8" CDX PLYWOOD W/ 8d COMM @ 6" OC @ PANEL EDGES, 12" FIELD

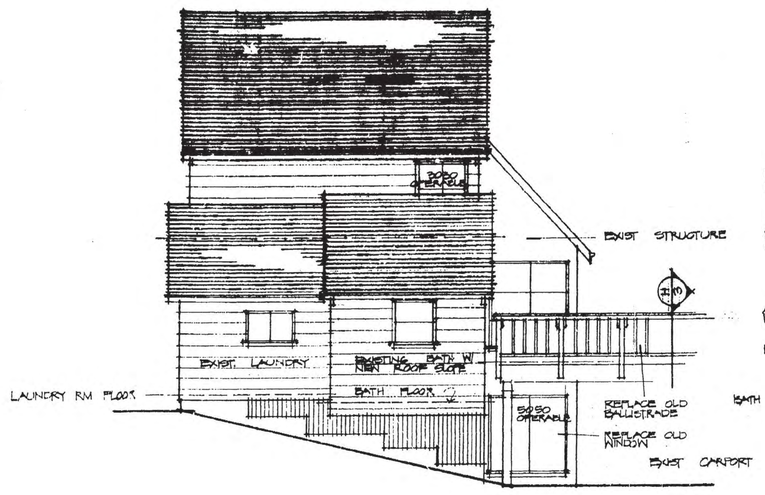
PROPOSED ADDITION TO THE RESIDENCE OF
MR. & MRS. R.H. WINDELER JR.
NO 1 ORCHARD ST.
LOS GATOS, CALIFORNIA 95030

REVISIONS	BY

ROBERT H. WINDELER JR. AIA
architect
1446 S. Dahlia, #2000
Los Angeles, California 90035

Date DEC 6, '78
Scale
Drawn RW
Job
Sheet 4
of 7 Sheets

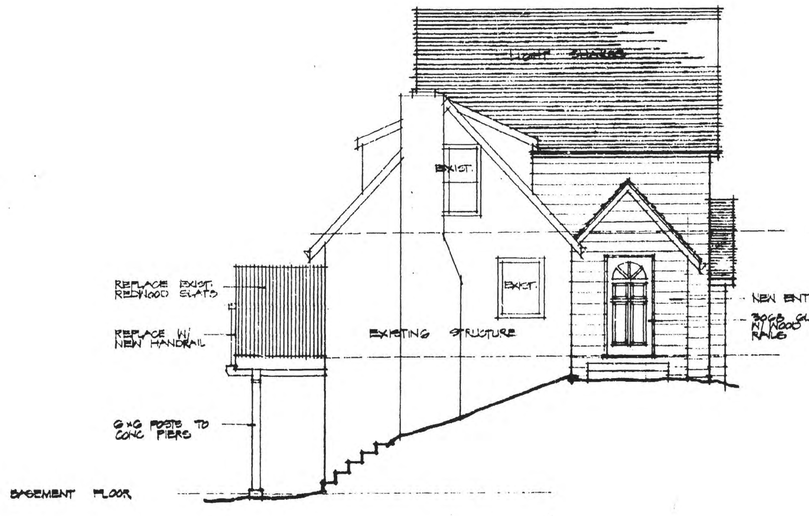
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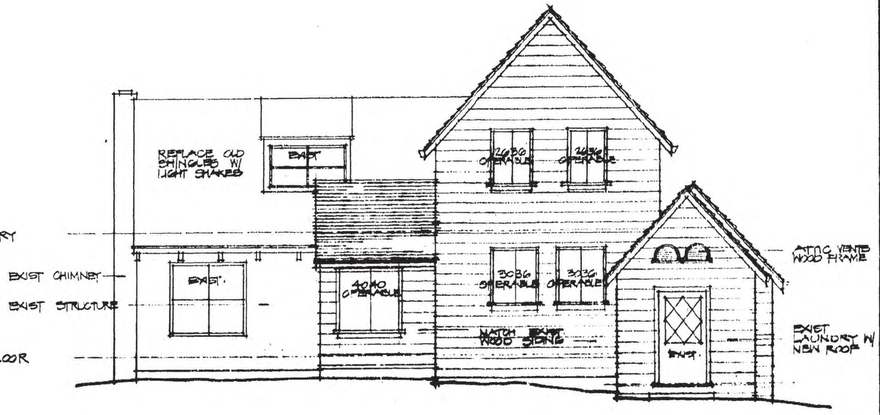
SIDE ELEVATION
1/4" SCALE



REAR ELEVATION
1/4" SCALE



SIDE ELEVATION
1/4" SCALE



FRONT ELEVATION
1/4" SCALE

Town of Los Gatos
BUILDING DEPARTMENT
PLAN APPROVED
BY _____ DATE _____
THE ISSUANCE OF THIS PLAN SHALL NOT BE HELD TO PERMIT OR BE AN APPROVAL OF THE VIOLATION OF ANY TOWN OR STATE LAW.

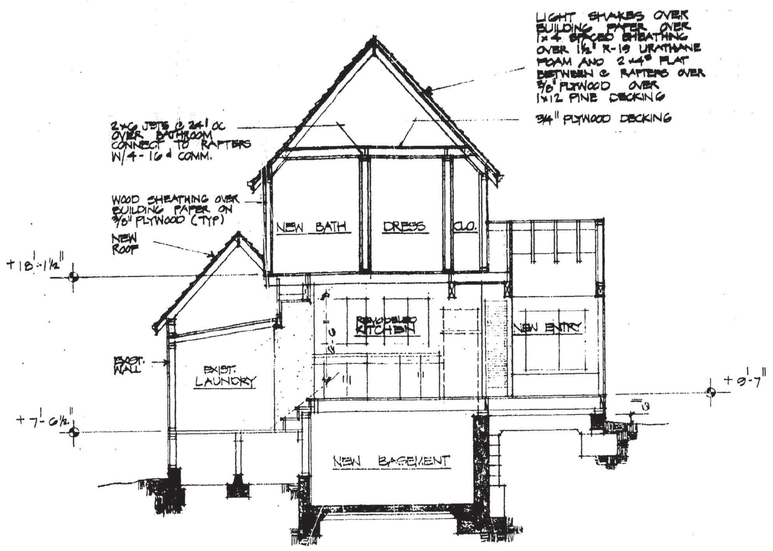
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NO. 1 ORCHARD ST.
LOS GATOS, CALIFORNIA 95030

ROBERT H. WINDELER JR. AIA
architect

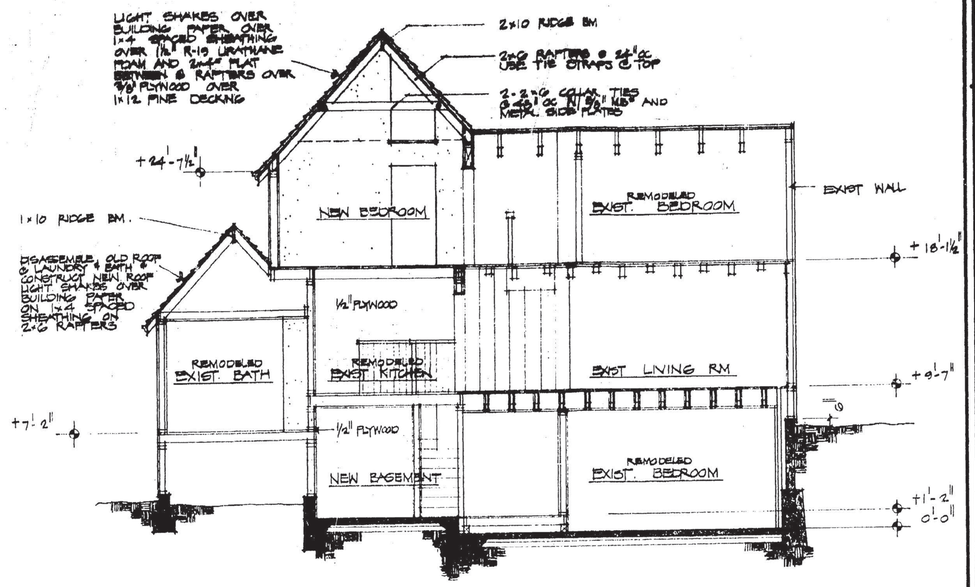
RM

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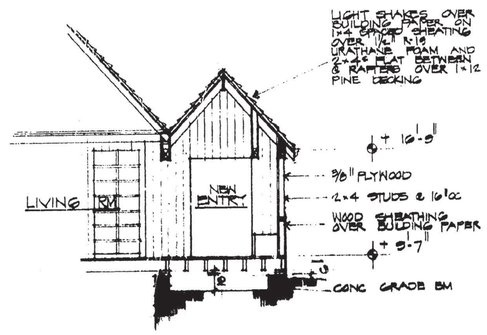


A SECTION
¼" SCALE

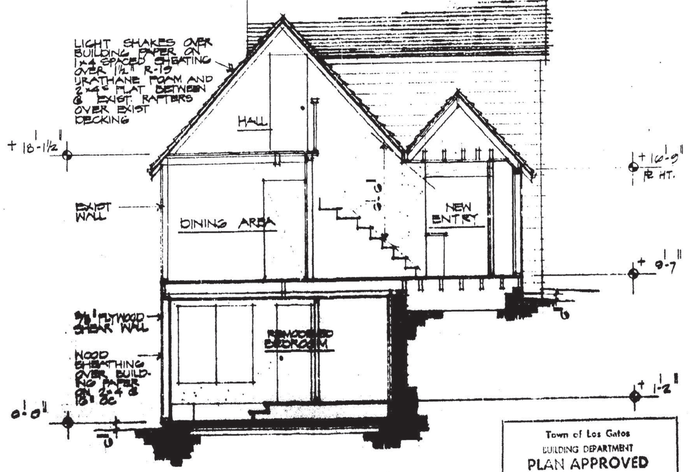


B SECTION
¼" SCALE

NOTE: SEE FLOOR PLAN FOR SECTION CUTS



C SECTION
¼" SCALE



D SECTION
¼" SCALE

Town of Los Gatos
BUILDING DEPARTMENT
PLAN APPROVED
BY _____ DATE _____
THIS STAMPING OF THE PLAN SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATION OF ANY PROVISION OF STATE LAW.

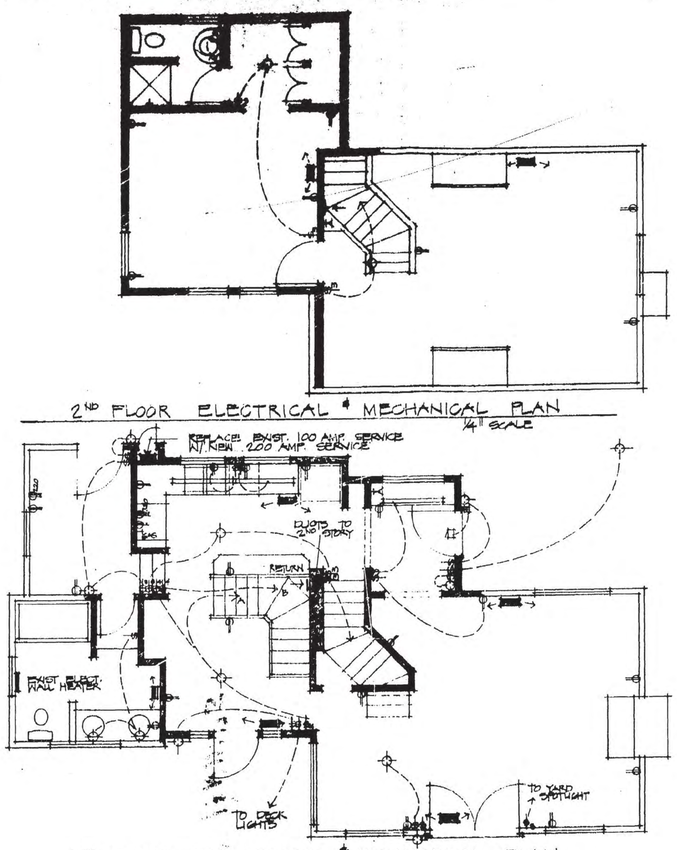
REVISIONS	BY

PROPOSED ADDITION TO THE RESIDENCE OF
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LOS GATOS, CALIFORNIA 95030

ROBERT H. WINDELER JR. AIA
architect
No. 1 Orchard St. Los Gatos, Ca.

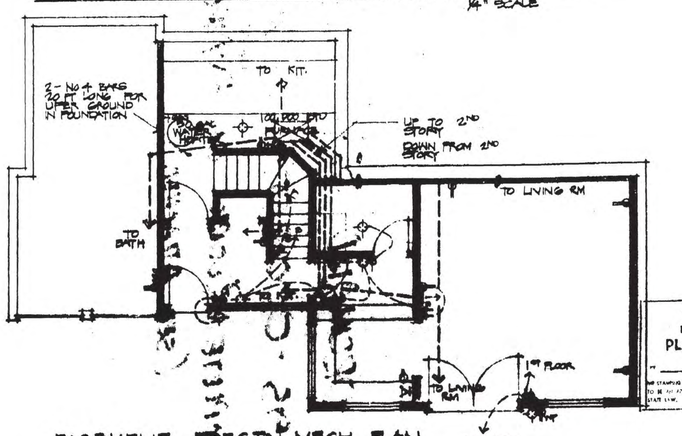
DEC 6,79
RW
6
7

24X



2ND FLOOR ELECTRICAL & MECHANICAL PLAN
1/4" SCALE

1ST. FLOOR ELECTRICAL & MECHANICAL PLAN
1/4" SCALE



BASEMENT ELECT. & MECH PLAN
1/4" SCALE

Town of Los Gatos
BUILDING DEPARTMENT
PLAN APPROVED

DATE

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PROPOSED ADDITION TO THE RESIDENCE OF
MR. & MRS. R. H. WINDELER JR.
NO. 1 ORCHARD ST.
LOS GATOS, CALIFORNIA 95030

ROBERT H. WINDELER JR. AIA
architect

DATE 6-76
R.W
7

24X

STEVEN P. DUQUETTE
STRUCTURAL ENGINEER
1580 Walnut Grove Avenue
San Jose, CA 95126
408-244-8205

STRUCTURAL CALCULATIONS

FOR FOUNDATION UNDERPINNING AT

#1 ORCHARD STREET



Town of Los Gatos
BUILDING DEPARTMENT
PLAN APPROVED
DATE

SEPTEMBER, 1995
LOS GATOS, CALIFORNIA

RECEIVED
SEP 19 1995
TOWN OF LOS GATOS
ENGINEERING SERVICES

STEVEN P. DUQUETTE
STRUCTURAL ENGINEER
1580 Walnut Grove Avenue
San Jose, CA 95126

Sheet: 1 of 10
Date: 9/6/95
Job #: 95115

Project: #1 Orchard Street, Los Gatos, CA

STRUCTURAL SPECIFICATIONS

Concrete - All concrete shall have a minimum 28-day compressive strength of 2500 psi, a maximum water-cement ratio shall be 6.25 gals. per sack, a maximum aggregate size of 3/4", and a slump shall of 3" to 4".

Masonry - Masonry units shall be Light Weight Grade N units conforming to ASTM Designation C-90. All cells shall be grouted solid.

Mortar - Mortar shall conform to U.B.C. Type M and shall develop a minimum compressive strength of 2500 psi at 28 days.

Grout - Grout shall be composed of 1 1/4 parts Portland cement, 3 parts sand, 2 parts 3/8" pea gravel. The grout shall develop a minimum compressive strength of 2500 psi at 28 days.

Reinforcing Steel - Bars for reinforcing shall be Grade 60 deformed bars conforming to ASTM A-615 including Supplements S1. Lap splices shall be in accordance with ACI 318-83 unless noted otherwise on the plans.

Epoxy - Epoxy resin adhesive for injection shall be "Anchor-It" as manufactured by Adhesive Technologies Corporation, Kent, WA. The type and proportions shall be as recommended by the manufacturer for the conditions and use.

Shop Drawings for the Engineers review will be required as follows:

1 Concrete Mix Designs;

Contractor shall submit two sets of prints and one set of sepias for review. Fabrication shall not proceed until shop drawings have been reviewed by the Engineer.

Existing Conditions - The contractor shall field verify all existing conditions prior to beginning construction and/or ordering materials. Any discrepancies discovered shall be brought to the attention of the engineer immediately.

Construction Liability - Construction contractor and his subcontractors agree that in accordance with generally accepted construction practices, construction contractor and his subcontractors will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property; that this requirement shall be made to apply continuously and not be limited to normal working hours, and construction contractor and his subcontractors further agrees to defend, indemnify and hold design professional harmless from any and all liability, real or alleged, in connection with the performance of work on this project, exception liability arising from the sole negligence of design professional.

STEVEN P. DUQUETTE
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Project: #1 Orchard Street, Los Gatos, CA

UNDERPINNING AT AREA BEHIND STAIRS WALL #1

ASSUME NEW UNDER PINING MUST RESIST LATERAL PRESSURE BY SPANNING SIDE WAYS

SPAN = 10'-1" $W_u = 1.7(45)\left[\frac{(5)^2}{3} + 5(3) + \frac{(3)^2}{2}\right] = 212.9\ \#/'$

(1/3 REACTION FROM BACK OF EXISTING WALL)

TRY 1'-4" x 3'-0" UNDER PINING SECTION W/ 4-#5 @ CL

$\rho = \frac{4(.31)}{8(36)} = .0043$

$\phi M_n = .9(.0043)60(3.0)(8)^2\left(1 - .59(.0043)\frac{60}{2.5}\right) = 41.9^{k'}$

$M_u = \frac{212.9(10.1)^2}{8} = 27.1^{k'} < 41.9^{k'}$ OK

$\phi V_c = .85\sqrt{2500}\,8(36) = 12.2^k$

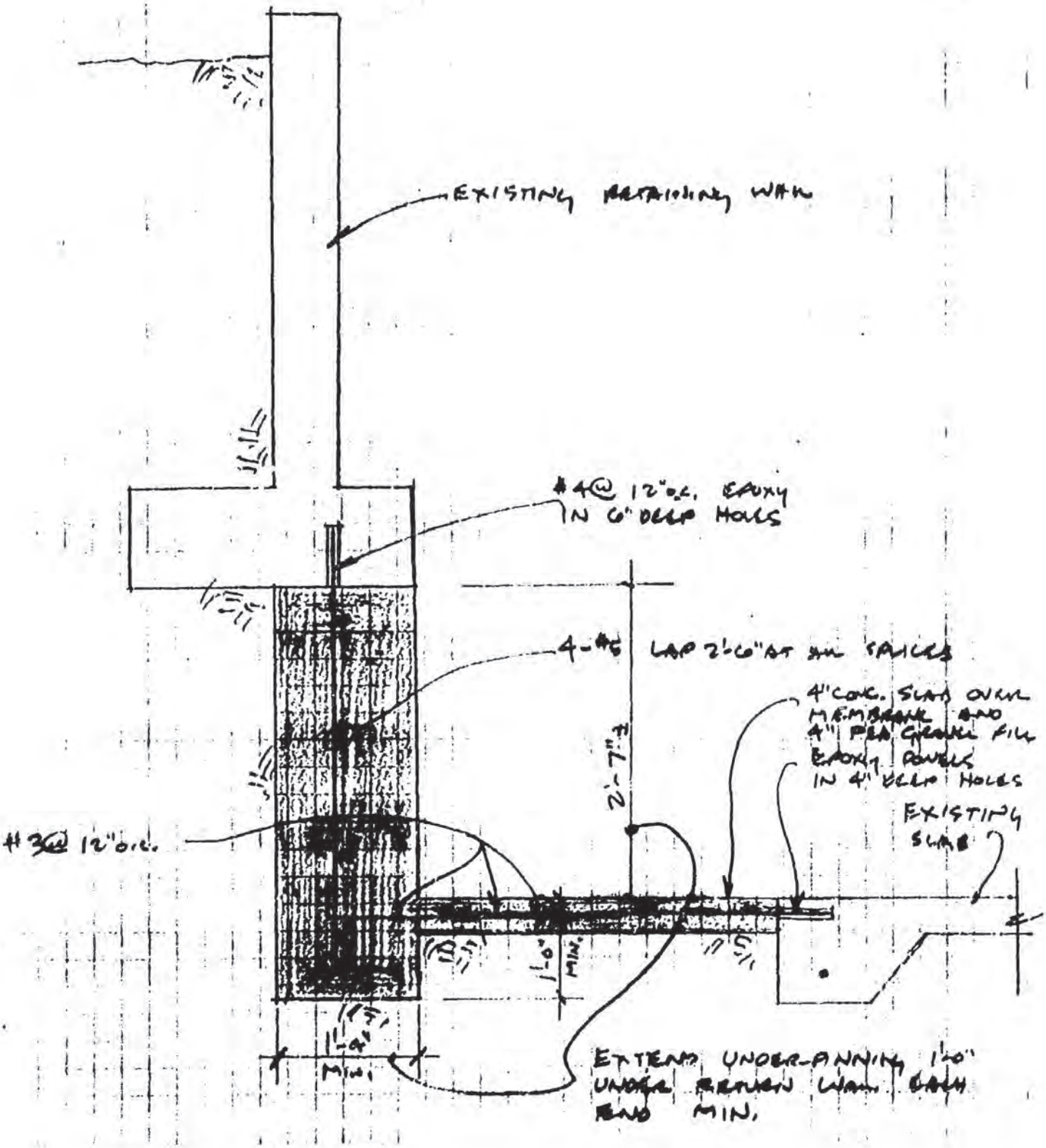
$V_u = 212.9(5.08) = 10.8^k < 12.2^k$

USE 16" WIDE X 36" TALL UNDER PINING W/ 4-#5 HORIZ.

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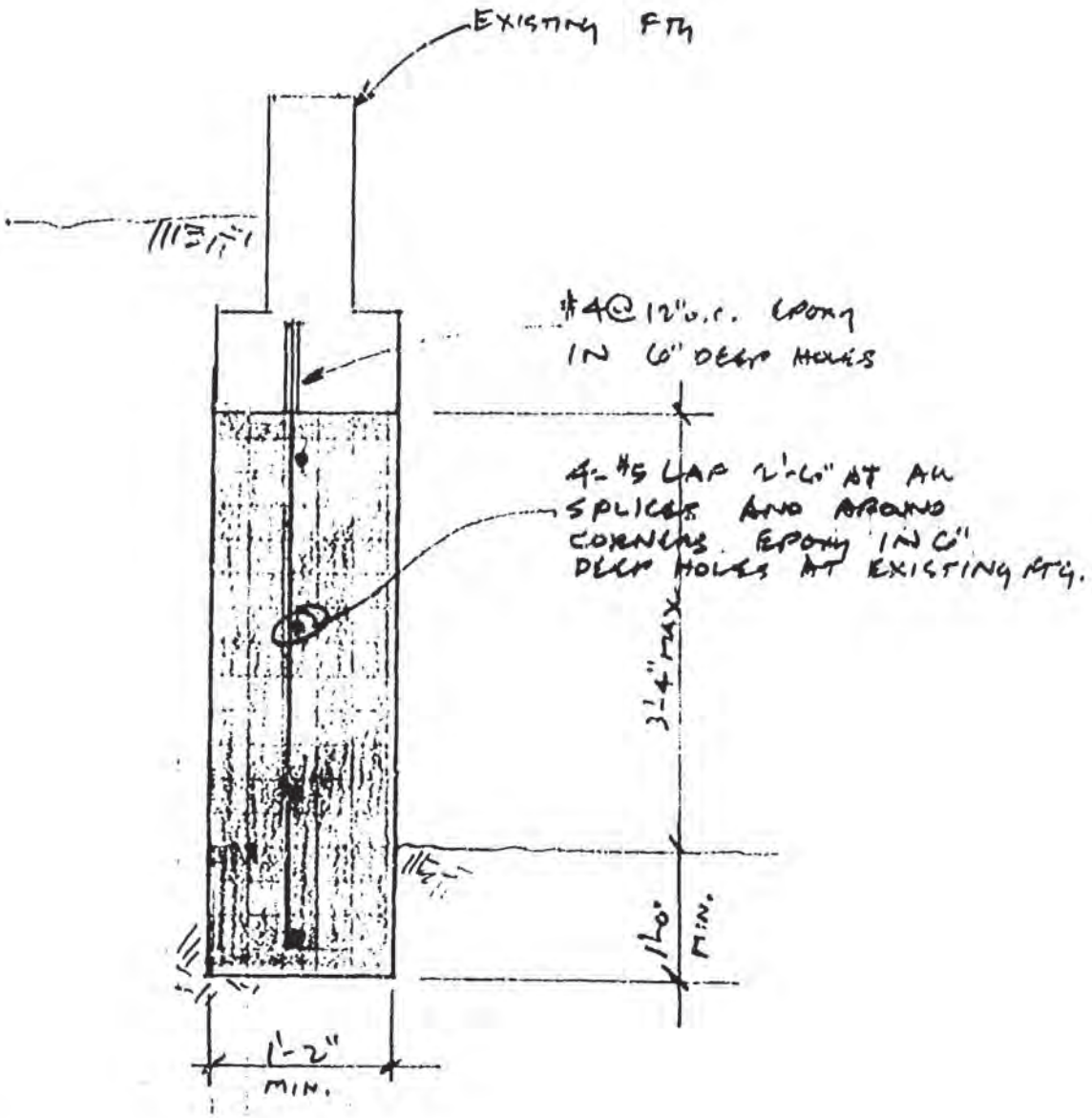


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TYPICAL UNDERPINNING - WALL # 293



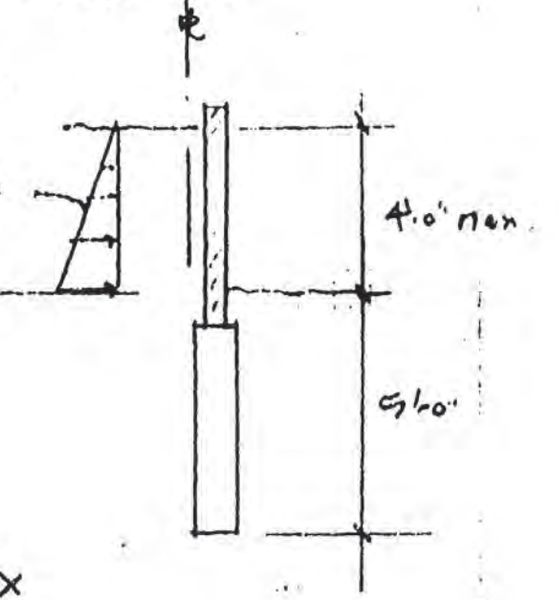
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STRUCTURAL ENGINEER
1580 Walnut Grove Avenue
San Jose, CA 95126

Project: #1 Orchard Street, Los Gatos, CA

SITE RETAINING WALL DESIGN - WALL #4

TRY 14" ϕ DRILLED PIERS UNCONFINED AND ASSUME 5'-0" DEEP

$$d = \frac{A}{2}\left(1 + \sqrt{1 + \frac{4.36h}{A}}\right)$$



WHERE $d = 5'$

$h = 4/3$

$$A = \frac{2.34P}{S_1 b}$$

$$P = \frac{45\ \#/cf\,(4)^2}{2}(x) = 360x$$

$b = 1.17'(2) = 2.34$ ← ARCHING

$S_1 = 300\ pcf\,(4/3) = 400$

$$A = \frac{2.34(360)x}{400(2.34)} = .9x$$

$$5' = \frac{.9x}{2}\left(1 + \sqrt{1 + \frac{4.36(4/3)'}{.9x}}\right)$$

TRIAL x	d
4'	4.7

USE 14" ϕ x 5'-0" DEEP PIERS @ 4'-0" O.C. MAX.

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Sheet: 6 of 10
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Project: #1 Orchard Street, Los Gatos, CA

WALL STEEL AT PIER — ASSUME PIERS @ 3'-4" O.C. MAX.

$M = \frac{45(4)^3}{6}(3.33) = 1598^{\#'}$

TRY 2-#5 IN 14" SECTION $\quad f = \frac{2(.31)}{14(5.6)} = .0079 \text{ } ^2/_{12} = 5.48$

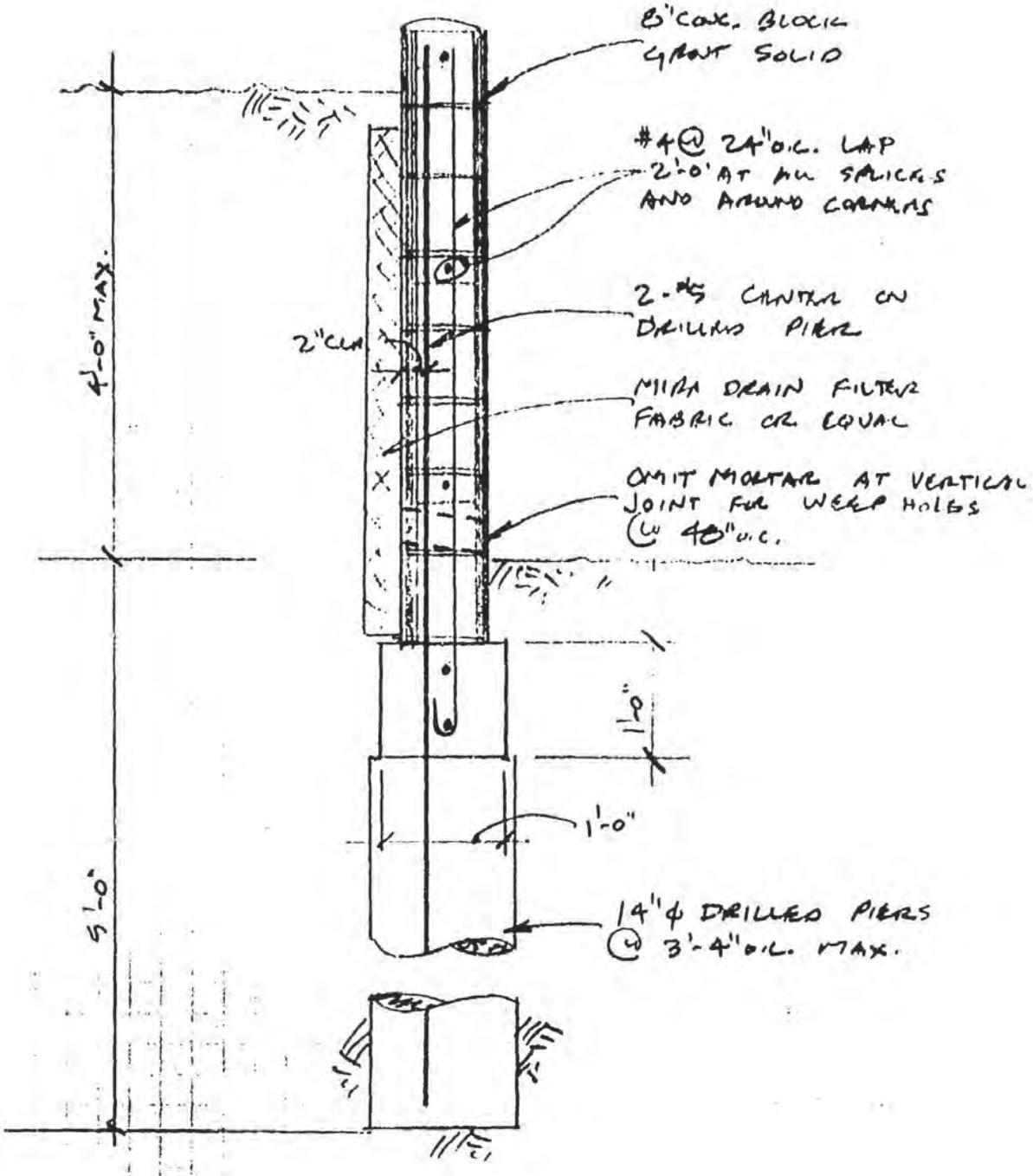
$f_m = \frac{1598(12)/5.48}{14(5.6)^2} = 239 \text{ PSI} < 250 \text{ PSI OK}$

USE 8" CONC. BLOCK W/ 2-#5 VERTICAL AT EACH PIER

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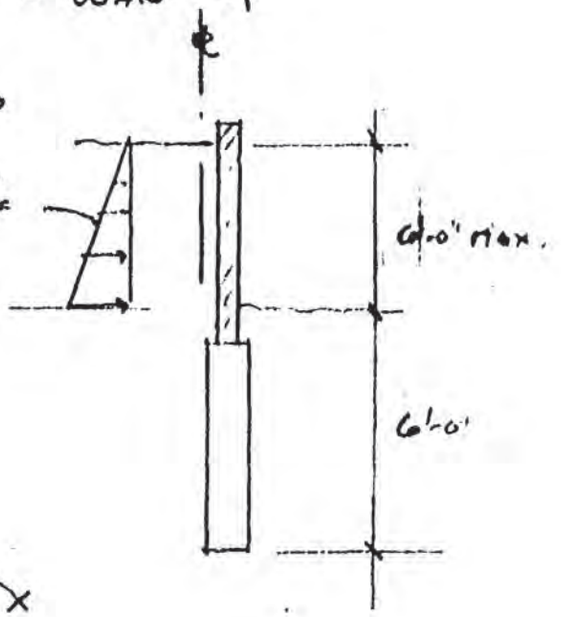
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San Jose, CA 95126

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Project: #1 Orchard Street, Los Gatos, CA

SITE RETAINING WALL DESIGN - WALL #4

TRY 14"ϕ DRILLED PIER. UNCONFINED
ASSUME 6'-0" DEEP



$$d = \frac{A}{2}\left(1 + \sqrt{1 + \frac{4.36h}{A}}\right)$$

WHERE $d = 6'$
$h = 6/3$

$$A = \frac{2.34P}{S_1 b}$$

$$P = \frac{45\,\#/CF\,(6)^2}{2}(x) = 810x$$

$b = 1.17'(2) = 2.34$
↑ ARCHITECTURAL

$S_1 = 300\,PCF(6/3) = 600$

$$A = \frac{2.34(810)x}{600(2.34)} = 1.35x$$

$$6' = \frac{1.35x}{2}\left(1 + \sqrt{1 + \frac{4.36(6/3)}{1.35x}}\right)$$

TRIAL x	d
4'	7.07'
3.33'	6.10'

USE 14" ϕ x 6'-0" DEEP PIERS @ 3'-4" O.C. MAX.

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WALL STEEL AT PIER

$M = \frac{45(6)^3}{C} 3.33 = 5395^{\#'}$

TRY 2-#5 IN 14" SECTION $\rho = \frac{5(.31)}{14(9.6)} = .0115$ $z/jk = 4.81$

$f_m = \frac{5395(12)\ 4.89}{14(9.6)^2} = 245$ PSI < 250 PSI OK



USE 12" CONC. BLOCK AT BASE W/ 5-#5 VERT AT EACH PIER.

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