

2224 SW KANAN ST.

REV-01 RS05-136461

OS-136461-REV-01-RS

H

JUL 14 2006
MICROFILMED

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CITY OF
PORTLAND, OREGON
BUREAU OF DEVELOPMENT SERVICES
1900 SW 4th Ave., Suite 5000
Portland, OR 97201



RESIDENTIAL 1 & 2 FAMILY PERMIT

05-136461-REV-01-RS

Site Address: 2224 SW KANAN ST

Issued: 6/28/06

PROJECT INFORMATION		Occ. Group	Const. Type
Single Family Dwelling	New Construction	R3	V-N
Project Description: REVISION 6/16/06 - CHANGE FRONT ENTRY DESIGN			

APPLICANT	FRANK PETTERSON	Phone (503) 341-5030
PROPERTY OWNER	FRANK PETTERSON	Phone (503) 341-5030
CONTRACTOR	FRANK PETTERSON	Phone

Project Details		Project Details	
Code Edition	IRC - 2003	GIS Update Flag	06/14/05
Number of Stories	2	On-Site Stormwater Facility	Stormwater swale
SI-Anchors - Adhesive	Yes	Valuation at Issuance	174821
Water District	Portland Water Bureau	Zoning Enforcement Agency	Portland

PAID
JUN 28 2006
CITY OF PORTLAND

This permit expires if, at any time, 180 days pass without an approved inspection. If you are not able to obtain an inspection approval within 180 days, you may request a one-time only extension of 180 days by calling 503-823-7388.

BEFORE

YOU DIG

ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the center. (Note: the telephone number for the Oregon Utility Notification Center is 1-800-332-2344).

CITY CONTACT

E-Mail:

Phone:

Fax: (503) 823-4172

**INSPECTION REQUEST
PHONE NUMBERS**

Building/Trade Inspections - Call Before 6:00 AM:

(503) 823-7000

TDD: (503) 823-6868

**IVR Inspection Request
Number:**

2473800

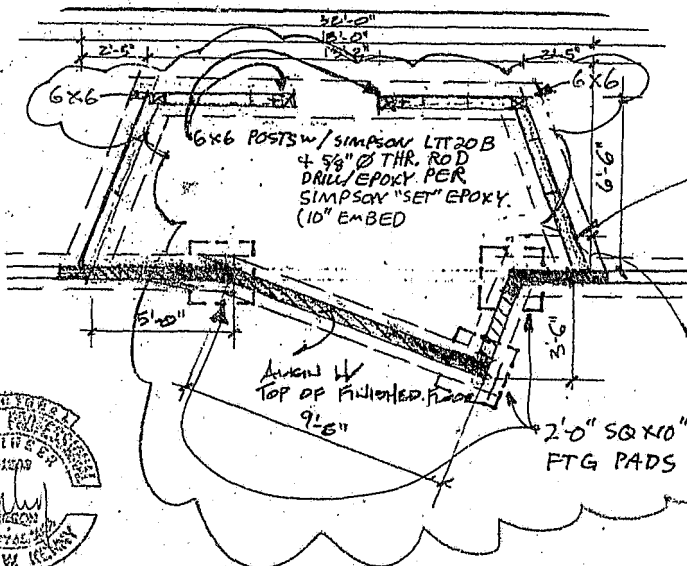


INC.
STRUCTURAL
ENGINEERS

2700 SE HARRISON STREET
SUITE B, MILWAUKIE, OR 97122
TEL (503) 607-0481
FAX (503) 607-0486
shane@bkengineers.com

☐ Conference Project: Kiraly Residence
☐ Phone Subject: Revised Entry (FOUNDATION PLAN)
☐ Field With: SUPPORTING CALCS C1-C8
☐ Memo To: Michaeline Kiraly
☐ Job Observation By: SAE
☒ Revision Sketch Distribution: - - -

Job No.: 05-277
Date: June 1, 2006
Time: -
By: SAE
Ref. Sheet: -
Sheet: 1/1



RENEWAL DATE: 8/30/07

05-13 & 461 - REV. 01 -

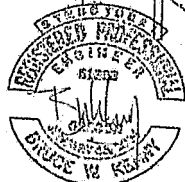
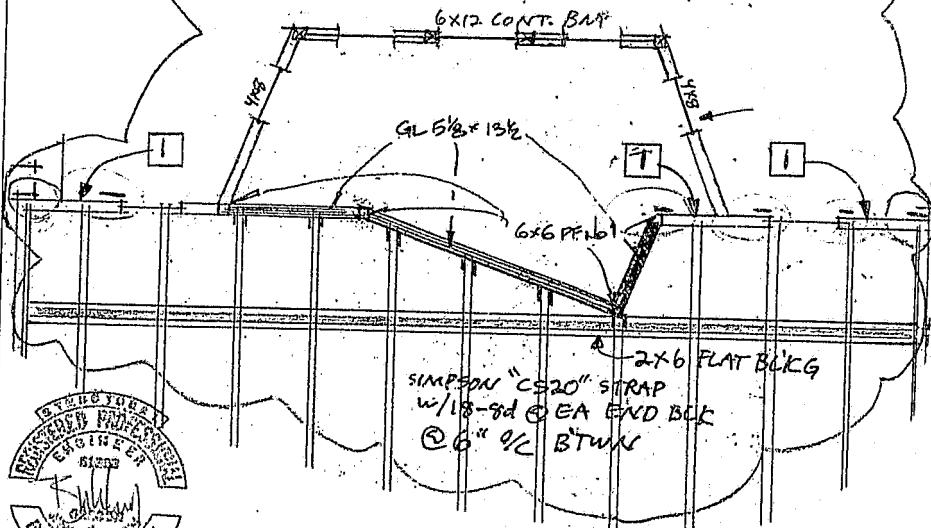
BK ENGINEERS INC. **STRUCTURAL ENGINEERS**

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☐ Conference	Project: <u>Kiraly Residence</u>	Job No.: <u>05-277</u>
☐ Phone	Subject: <u>Revised Entry (SECOND FLOOR PLAN)</u>	Date: <u>June 27, 2006</u>
☐ Field	With: <u>SUPPORTING CALLS C1-C8</u>	Time: <u>-</u>
☐ Memo	To: <u>Michaeline Kiraly</u>	By: <u>SAE</u>
☐ Job Observation	By: <u>SAE</u>	Ref. Sheet:
☒ Revision Sketch	Distribution: <u>-</u>	Sheet #: <u>R2</u>

11" SIMPSON "MSTC40"
 (AT FLR-FLR CONNECTION)
 KING STUD & TRIMMERS MUST
 ALIGN FLR-FLR.

1 1 1/2" APA WALL SH'TG
 w/10d @ 6" O.C. - EDGES
 @ 12" O.C. - FIELD

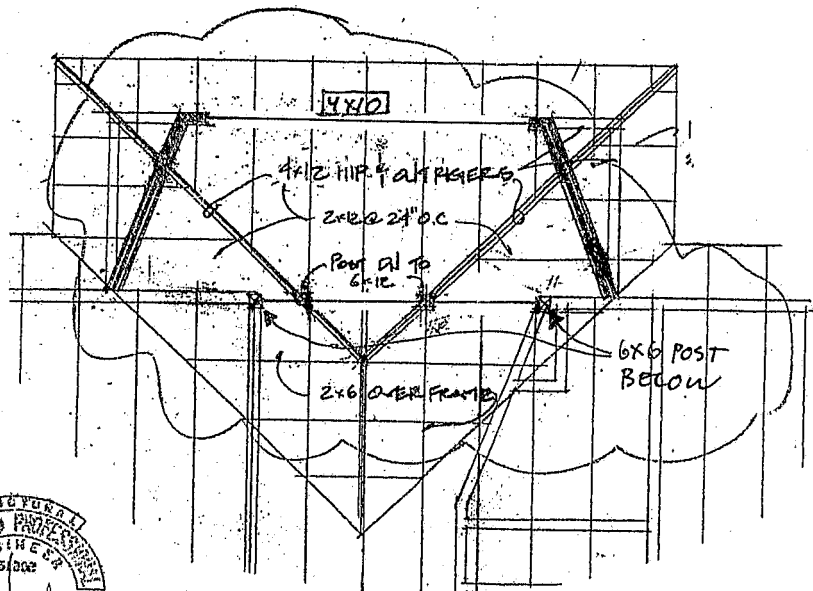


RENEWAL DATE: 6/30/07

BK INC. **STRUCTURAL** **ENGINEERS**

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☐ Conference	Project: <u>Kiraly Residence</u>	Job No.: <u>05-277</u>
☐ Phone	Subject: <u>Revised Entry (ROOF PLAN)</u>	Date: <u>June 27, 2006</u>
☐ Field	With: <u>SUPPORTING CALCS 'CI-C8</u>	Time: <u>-</u>
☐ Memo	To: <u>Michaeline Kiraly</u>	By: <u>SAE</u>
☐ Job Observation	By: <u>SAE</u>	Ref. Sheet: <u>-</u>
☒ Revision Sketch	Distribution: <u>-</u>	Sheet #: <u>R3</u>

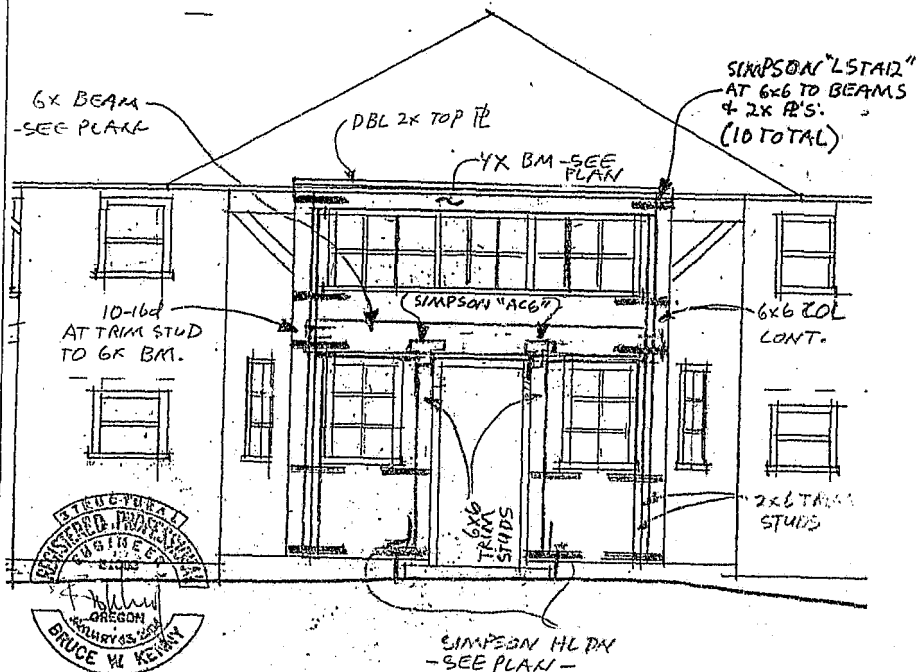


REVISION DATE: 6/30/07

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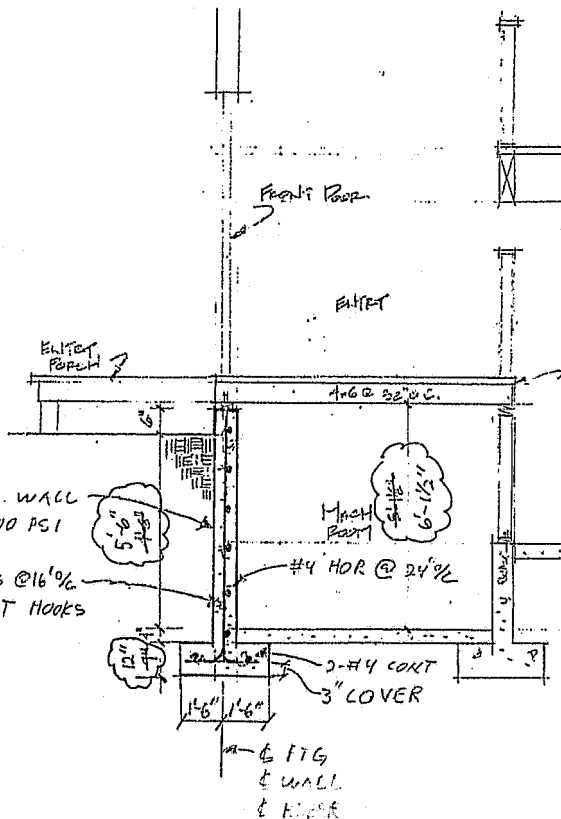
2700 SE HARRISON STREET
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☐ Conference	Project: Kiraly Residence	Job No.: 05-277
☐ Phone	Subject: Revised Entry (ELEVATION)	Date: June 27, 2006
☐ Field	With: SUPPORTING CALCS CI-C8	Time: -
☐ Memo	To: Michaeline Kiraly	By: SAE
☐ Job Observation	By: SAE	Ref. Sheet:
☒ Revision Sketch	Distribution: - - -	Sheet #: R4



RENEWAL DATE: 6/30/07

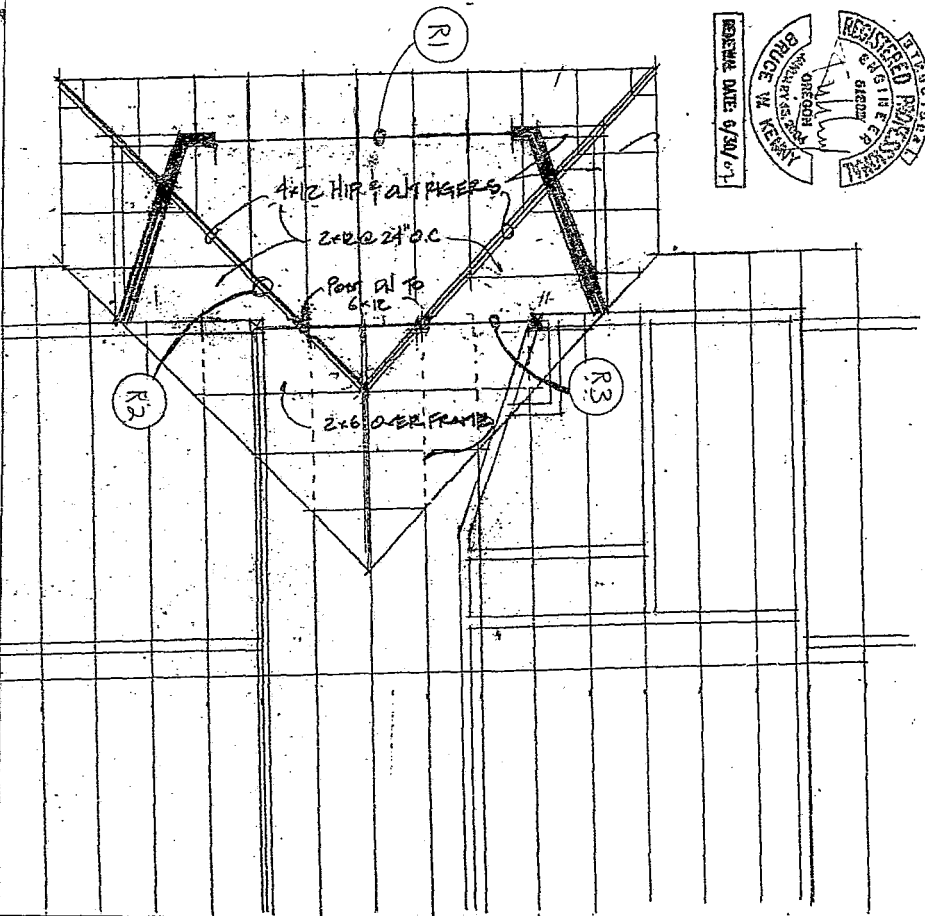
☐ Conference	Project: <u>Kiraly Residence</u>	Job No.: <u>05-277</u>
☐ Home	Subject: <u>Revised Entry (Foundation Section)</u>	Date: <u>June 27, 2006</u>
☐ Field	With: <u>SUPPORTING CACCS. CL-C8</u>	Time: <u>-</u>
☐ Memo	To: <u>Michaeline Kiraly</u>	By: <u>SAE</u>
☐ Job Observation	By: <u>SAE</u>	Ref. Sheet: <u>-</u>
☒ Revision Sketch	Distribution: <u>- - -</u>	Sheet #: <u>R5</u>



RENEWAL DATE: 6/30/07



REVIEW DATE 6/30/07



BK INC.
STRUCTURAL
ENGINEERS

Project: KIRALY RESIDENCE

(key)

Client: Michaeline Kraly

Date: June 20/06

By: SAE

Proj. No.: 05-077
Sheet No.: C1

BEY INC.

STRUCTURAL ENGINEERS

2700 SE HAMBURG STREET, NEW ALBANY, OR 97223, 503-697-0451, FAX 503-697-0466, info@beyinc.com

Project: KIRALY RESIDENCE (KEY)

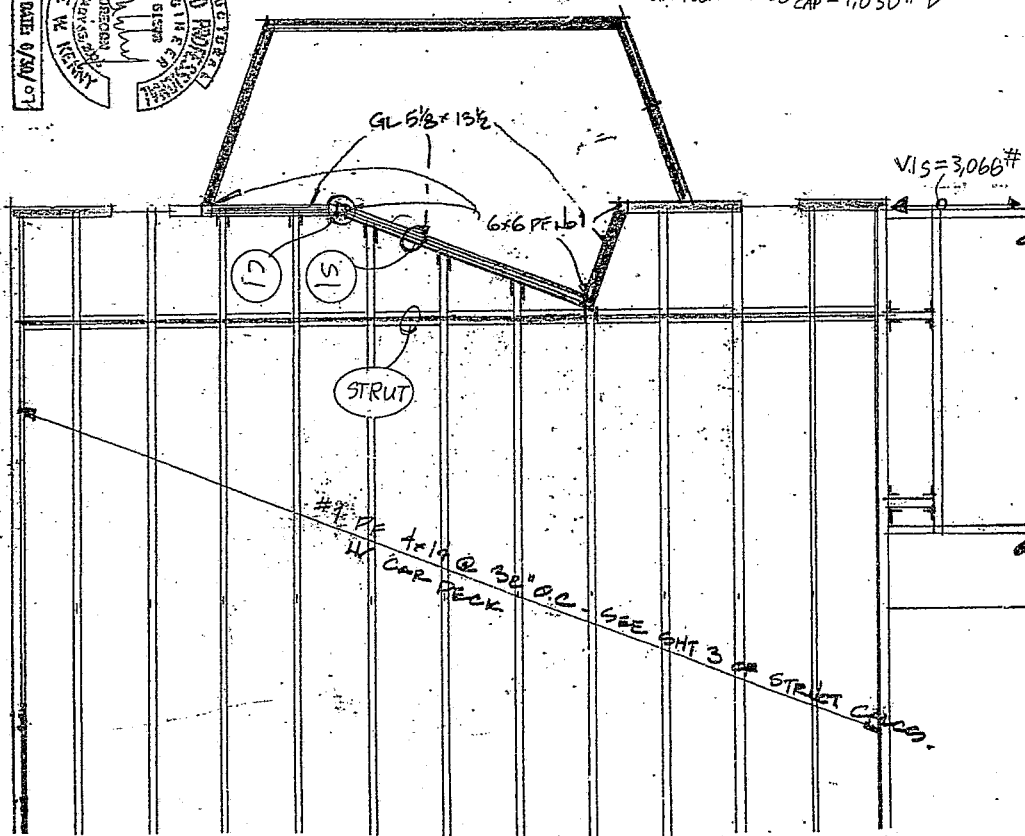
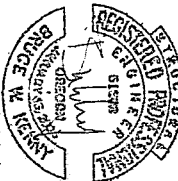
Client: Michaeline Kiraly

Date: June 2006

By: SAE

Proj. No.: 05-277
Sheet No.: C2

ISSUANCE DATE: 6/30/07



GRAVITY CALC'S

(R1) 4x10 BM L=11' u.l. ss. $w_d = 15(5) = 75$ $w_s = 25(5) = 125$ 200 PLF $M = 3025 \#'$ $V = 1100 \#$ $M_{cap} = 4492 \#'$ ✓ $V_{cap} = 3885 \#$ ✓ $\Delta_{TL} = 3/16" =$ ✓	(R2) 4x12 HIP L=7'0" ss. u.l. $w_d = 15(5) = 75$ $w_s = 25(5) = 125$ 200 PLF $M = 3,025 \#'$ $V = 1,100 \#$ $M_{cap} = 6,091 \#'$ ✓ $V_{cap} = 4,725 \#$ ✓ $\Delta_{TL} = 1/16" = 2/5,000 \checkmark$	(R3) 6x12 BM L=10' ss. u.l. $w_d = 15(17) = 255$ $w_s = 25(17) = 425$ 680 PLF $M = 8500 \#'$ $V = 3400 \#$ $M_{cap} = 13,052 \#'$ ✓ $V_{cap} = 7,013 \#$ ✓ $\Delta_{TL} = 3/16" = 2/818 \checkmark$
(S1) GL 5 5/8 x 13 1/2 BM L=9' u.l. ss. $w_d = 15(11) = 165$ $w_s = 40(11) = 440$ 605 PLF $M = 6,125 \#'$ $V = 2,723 \#$ $M_{cap} = 30,770 \#'$ $V_{cap} = 8,764 \#$ $\Delta_{LL} = 1/16" = 2/3900 \checkmark$	(C1) 6x6 POST L=10' ROOF TRIB = $5.11 + 3.17 = 106 \text{ FT}^2$ FLR TRIB = $7.11 = 77 \text{ FT}^2$ $P_D = 15(106 + 77) = 2745 \#$ $P_S = 25(106) = 2,650 \#$ $P_L = 40(77) = 3,080 \#$ <u>8,475 #</u> - SEC ATTACHED - OK $F_{BUSHING} = .10 \text{ FSF}$ $AREA = 4.3 \text{ FT}^2$ 2'-0" SQ X 10" w/ 16" STRIP FTG OK ✓	



Project: KIRALY RESIDENCE

Client: Michaeline Kiraly Proj. No.: 05-277

Date: June 2006 By: SAE Sheet No.: C3

2700 SE HARRISON STREET, MILWAUKEE WI, 53222, 503-607-0481, FAX 503-607-0486, alune@bkonghneers.com

Berry-Nordling Engineers, Inc.
3607 SW Corbett Ave.,
Portland, Oregon 97239
Tel: 503-227-7783
Fax 503-227-7784

Title :
Dsgnr :
Description :
Scope :

Job #
Date: 2:24PM, 26 JUN 06

Rev: 580004
User: KW-060014, Ver 5.8.0, 1-Dec-2003
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Timber Column Design

Page 1

Description

General Information

de Ref: 1997/2001 NDS, 2000/2003 IBC, 2003 NFPA 5000. Base allowables are user defined

Wood Section	6x6	Total Column Height	10.00 ft
Rectangular Column		Load Duration Factor	1.15
Column Depth	(along y-y axis) 5.50 in	F _c	700.00 psi
Width	(along x-x axis) 5.50 in	F _b	750.00 psi
Sawn		E - Elastic Modulus	1,300 ksi
		Douglas Fir - Larch, No.2	
Unbraced length for "y-y" axis sideways deflection	10.00 ft		
Unbraced length for "x-x" axis sideways deflection	10.00 ft		
Lu XX for Bending	10.00 ft		

Loads

	Dead Load	Live Load	Short Term Load
Axial Load	2,745.00 lbs	5,730.00 lbs	0.00 lbs
Eccentricity	0.00 in		

Summary

Column OK

Using : 6x6, Width= 5.50in, Depth= 5.50in, Total Column H= 10.00ft

	DL + LL	DL + LL + ST	DL + ST
f _c : Compression	280.17 psi	280.17 psi	90.74 psi
F _c : Allowable	519.69 psi	561.10 psi	561.10 psi
f _{bx} : Flexural	0.00 psi	0.00 psi	0.00 psi
F _{bx} : Allowable	750.00 psi	862.50 psi	862.50 psi
Interaction Value	0.5391	0.4993	0.1617

Stress Details

F _c : X-X	519.69 psi	For Bending Stress Calcs...	
F _c : Y-Y	519.69 psi	Max k*Lu / d	50.00
F _c : Allowable	519.69 psi	Le : Bending	18.40 ft
F _c : Allow * Load Dur Factor	561.10 psi	(Lu-xx * NDS Table 3.3.3 factor)	
F _{bx}	750.00 psi	R _b : (Le d / b ²) * 5	6.336
F _{bx} * Load Duration Factor	862.50 psi	Min. Allow k*Lu / d	11.00
		Cf: Bending	1.000
		For Axial Stress Calcs...	
		Cf Axial	1.000
		Axial X-X k Lu / d	21.82
		Axial Y-Y k Lu / d	21.82



Project: KIRALY RESIDENCE

Client: Michaeline Kiraly Proj. No.: 05-277

Date: June 2006 By: SAE Sheet No.: 24

Berry-Nordling Engineers, Inc.
3607 SW Corbett Avenue
Portland, Oregon 97239
Tel: 503-227-7783
Fax 503-227-7784

Title :
Dsgnr:
Description :
Scope :

Job #
Date: 11:02AM, 28 JUN 06

Code Ref: ACI 318-02, 1997 UBC, 2003 IBC, 2003 NFPA 5000

Rev: 580014
User: KW-0609214, Ver 5.0.0, 1-Dec-2003
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Cantilevered Retaining Wall Design

Page 1

Description

Criteria

Retained Height = 5.75 ft
Wall height above soil = 0.50 ft
Slope Behind Wall = 0.00 : 1
Height of Soil over Toe = 0.00 in
Soil Density = 110.00 pcf

Wind on Stem = 0.0 psf

Soil Data

Allow Soil Bearing = 1,500.0 psf
Equivalent Fluid Pressure Method
Heel Active Pressure = 35.0 psf/ft
Toe Active Pressure = 0.0 psf/ft
Passive Pressure = 250.0 psf/ft
Water height over heel = 0.0 ft
Footings||Soil Friction = 0.300
Soil height to ignore for passive pressure = 0.00 in

Footings Strengths & Dimensions

f_c = 2,500 psi F_y = 60,000 psi
Min. As % = 0.0014
Toe Width = 1.25 ft
Heel Width = 1.75 ft
Total Footing Width = 3.00 ft
Footing Thickness = 12.00 in
Key Width = 0.00 in
Key Depth = 0.00 in
Key Distance from Toe = 0.00 ft
Cover @ Top = 3.00 in @ Blm = 3.00 in
Axial Load Eccentricity = 0.0 in

Axi: i Load Applied to Stem

Axial Dead Load = 100.0 lbs
Axial Live Load = 200.0 lbs

Design Summary

Total Bearing Load = 2,476 lbs
...resultant ecc. = 1.84 in
Soil Pressure @ Toe = 1,078 psf OK
Soil Pressure @ Heel = 572 psf OK
Allowable = 1,500 psf
Soil Pressure Less Than Allowable
ACI Factored @ Toe = 1,242 psf
ACI Factored @ Heel = 659 psf
Footing Shear @ Toe = 5.2 psf OK
Footing Shear @ Heel = 21.5 psf OK
Allowable = 85.0 psf
Wall Stability Ratios
Overturning = 2.69 OK
Sliding = N/A
Sliding Calcs Slab Resists All Sliding !
Lateral Sliding Force = 797.3 lbs

Stem Construction

Top Stem

Design height ft = 0.00
Wall Material Above "HL" = Concrete
Thickness = 6.00
Rebar Size = # 4
Rebar Spacing = 16.00
Rebar Placed at = Center
Design Data
ft/FB + fa/Fa = 0.889
Total Force @ Section lbs = 983.6
Moment.....Actual ft-# = 1,885.3
Moment.....Allowable = 1,905.5
Shear.....Actual psi = 27.3
Shear.....Allowable psi = 85.0
Bar Develop ABOVE HL in = 18.72
Bar Lap/Hook BELOW HL in = 8.30
Wall Weight = 72.5
Rebar Depth 'd' in = 3.00

Masonry Data

f_m psi =
 F_s psi =
Solid Grouting =
Special Inspection =
Modular Ratio 'n' =
Short Term Factor =
Equiv. Solid Thick. =
Masonry Block Type = Normal Weight

Concrete Data

f_c psi = 2,500.0
 F_y psi = 60,000.0

Other Acceptable Sizes & Spacings

Toe: Not req'd, $M_u < S * F_r$
Heel: Not req'd, $M_u < S * F_r$
Key: No key defined

Footing Design Results

	Toe	Heel
Factored Pressure	1,242	659 psf
Mu' : Upward	907	0 ft-#
Mu' : Downward	164	1,880 ft-#
Mu: Design	743	1,880 ft-#
Actual 1-Way Shear	5.20	21.46 psf
Allow 1-Way Shear	85.00	85.00 psf
Toe Reinforcing	None Spec'd	
Heel Reinforcing	None Spec'd	
Key Reinforcing	None Spec'd	



Project: KIRALY RESIDENCE

Client: Michaeline Kiraly Proj. No.: 05-277

Date: June 2006 By: SAE Sheet No.: C4.1

Wind Loads for Main Wind Force Resisting System (MWFRS)
Using ASCE 7-02 Method 2 for all heights (gable/hipped roofs)

Building Dimensions		K_d :	0.85
N - S (ft):	32	V (mph):	100
E - W (ft):	23	I_w :	1.00
h (ft):	20	G:	0.85
Roof Pitch (#/12):	4		

Cp	N-S wind		E-W wind	
Windward Wall	0.80		0.80	
Leeward Wall	-0.42	1.22	-0.50	1.30
Windward Roof	-0.10	0.50	-0.10	0.50
Leeward Roof	-0.60		-0.60	

Exposure B			NORTH - SOUTH WIND				EAST - WEST WIND			
			WALLS		ROOF		WALLS		ROOF	
			LW "+P:"	-4.8	LW "-P:"	-6.9	LW "+P:"	-4.8	LW "-P:"	-6.9
Height (ft)	K _z	q _z (psf)	WW		WW		WW		WW	
			"+P" (psf)	"P" (psf)	"+P" (psf)	"-P" (psf)	"+P" (psf)	"-P" (psf)	"+P" (psf)	"-P" (psf)
0-15	0.57	12.4	8.4	13.3	-1.0	5.9	8.4	13.3	-1.0	5.9
20	0.62	13.5	9.2	14.0	-1.1	5.8	9.2	14.0	-1.1	5.8

$$q_z = 0.0256 \times K_z \times K_{dt} \times K_d \times V^2 \times I_w \quad (\text{ASCE1 Eq. 6-15})$$

$$K_{dt} = 1.0$$

$$P = q(GC_p) - q_i(GC_{pi}) \quad (\text{ASCE1 Eq. 6-17})$$

(FOR TYPICAL STRUCTURES, INTERNAL COMPONENTS OF WW AND LW PRESSURES CANCEL. THIS ANALYSIS HAS THEREFORE IGNORED THESE COMPONENTS)



Project: KIRALY RESIDENCE

Client: Micheline Kiraly Proj. No.: 05-277

Date: June 2006 By: SAE Sheet No.: C5

2700 SE HARRISON STREET, MILWAUKEE WI, 53222, 503-607-0481, FAX 503-607-0486, shan@bkengineers.com

$$V1_R = 14 \text{ PSF} (14 \cdot 2 + 14 \cdot \frac{3}{2} + 3 \cdot 5) + 10 \text{ PSF} (6 \cdot 3.5 \cdot 2 + 6 \cdot 3.5 + 2 \cdot 3.5 \cdot 2) = 1934 \#$$

$$V2_R = 14 \text{ PSF} (3.5 \cdot 5.5) + 10 \text{ PSF} (3.5 \cdot 6 \cdot 2) = 375 \#$$

$$V1_S = 14 \text{ PSF} (11 \cdot 8) = 1232 \#$$



BEL INC.
STRUCTURAL
ENGINEERS

2100 SE HARRISON STREET, MILWAUKEE, WI 53222, 414-363-6972, FAX 414-363-6968, abae@belsinc.com

Project: KIRALY RESIDENCE (WIND LOADS)

Client: Michaeline Kiraly

Proj. No.: 05-277

Date: June 2006

By: SAE

Sheet No.: C6

FRONT WALL LATERAL CALC'S

$$V_{IR} = 1,834 \#$$

$$L_{IR} = 3 + 4.5 + 3 = 10.5$$

$$V_{IR} = 175 \text{ PLF}$$

- MIN SHTG OK - ✓

$$W_d = 15(22/2) + 10(8) = 345 \text{ PLF}$$

$$T = 175 \cdot 8 - 0.6(345 \cdot 3/2) = 1,090 \#$$

$$- \text{MSTC40 CAP} = 2,335 \# \checkmark$$

$$V_{IS} = 1834 + 1232 = 3,066 \#$$

$$L_{IS} = 3 + 4.5 + 3 = 10.5$$

$$V_{IS} = 292 \text{ PLF}$$

$$- 10d @ 9/12 \text{ OK} - \text{CAP} = 310 \text{ PLF}$$

$$W_d = (15 + 15)(22/2) + 10(16) = 490 \text{ PLF}$$

$$P_d = 490 \cdot 3/2 = 570 \#$$

$$V' = (1834 \cdot 17/8 + 1232) / 10.5 = 489$$

$$T = 489 \cdot 8 - 0.6(489 \cdot 3/2 + 570) = 3,130 \#$$

$$- \text{SIMPSON HDU4-SOS25 CAP} = 4,190 \# \checkmark$$

(S2) 6x12 OUT-OF-PLANE BEAM

$$L = 12' \text{ TRIB} = 7.5' \text{ U.L. S.S.}$$

$$W = 14 \text{ psf} \cdot 7.5 = 105 \text{ PLF}$$

$$M = 1890 \#'$$

$$V = 630 \#$$

$$M_{cap} = 3875 \# \checkmark$$

$$V_{cap} = 7000 \# \checkmark$$

$$\Delta_{HL} = 1/4" = L/638 \checkmark$$

$$10-16d \text{ } V_{cap} = 1000 \# \checkmark$$

6x6 POST @ V2

$$\frac{375}{2} = 188 \#$$

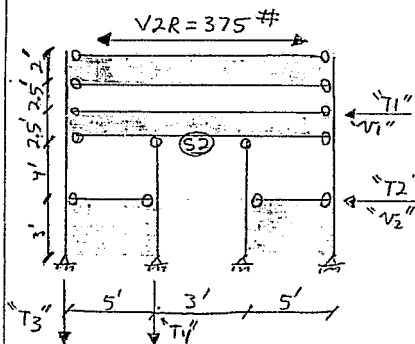
$$M = 752 \#'$$

$$M_{cap} = 2773 \#$$

$$V = 188 \#$$

$$V_{cap} = 3428 \#$$

$$\Delta \approx \frac{2 \cdot 188 \cdot 4^2 \cdot 12^3}{3 \cdot 16,000,000 \cdot 76} = 1/4" \approx L/739$$



$$T_1 = 375 \# (2.5' / 5') / 2 = 563 \#$$

$$- \text{SIMPSON LSTA12 CAP} = 805 \# \checkmark$$

$$V_1 = 375 \# / 12.5' = 30 \text{ PLF} \checkmark$$

$$T_2 = 375 \# (7.5' / 3') / 4 = 219 \#$$

$$- \text{SIMPSON LSTA12 CAP} = 805 \# \checkmark$$

$$V_2 = 375 \# / 10' = 38 \text{ PLF} \checkmark$$

$$W_d = 10 \text{ psf} \cdot 3' = 30 \text{ PLF}$$

$$P_d = 15 \text{ psf} (11' \cdot 6') = 990 \#$$

$$T_3 = 38 \cdot 7 - 0.6(30 \cdot 5/2 + 990 \#) = -373 \#$$

- NO HDN @ CORNER

$$T_4 = 38 \cdot 7 - 0.6(30 \cdot 9/2) = 221 \#$$

$$- \text{SIMPSON L120B CAP} = 1750 \#$$



Project: KIRALY RESIDENCE

Client: Michaeline Kiraly

Proj. No.: 05-277

Date: June 2006

By: SAE

Sheet No.: 67



7201 SE HANSON STREET, MILWAUKEE, WI 53222, 402-607-0411, FAX 402-607-0408, dmcc@melinginc.com

Project: KIRALY RESIDENCE
Client: Michaeline Kiraly
Date: June 2006 By: SAJE
Prof. No.: 063277
Sheet No.: C8

SHEAR WALL SCHEDULE

(8d COMMON (φ=0.131", L=2½") • (15/32") APA)

MARK	SHEATHING	SHEATHING NAILING	FDN ANCHORS	BILL & NAILING	REMARKS
255 pfr 344 pfr 211 pfr	A 5/32" APA RATED STRUCTURAL WOOD PANELS (32/16) BLOCK EDGES WITH 2x4 FLAT BLKG.	8d #4" o/c EDGES 8d #2" o/c FIELD	3x 12 W 3/4" x 10" A. BOLTS #48" o/c	16d SINKERS #12" o/c + 811PSON "LTP4" #36" o/c	TYPICAL, UNLESS NOTED OTHERWISE
355 pfr 560 pfr 438 pfr	B 5/32" APA RATED STRUCTURAL WOOD PANELS (32/16) BLOCK EDGES WITH 2x4 FLAT BLKG.	8d #4" o/c EDGES 8d #2" o/c FIELD	3x 12 W 3/4" x 10" A. BOLTS #48" o/c	16d SINKERS #12" o/c + 811PSON "LTP4" #32" o/c	
510 pfr 550 pfr 522 pfr	C 5/32" APA RATED STRUCTURAL WOOD PANELS (32/16) BLOCK EDGES WITH 2x4 FLAT BLKG.	8d #3" o/c EDGES 8d #2" o/c FIELD	3x 12 W 3/4" x 10" A. BOLTS #48" o/c	16d SINKERS #12" o/c + 811PSON "LTP4" #32" o/c	
650 pfr 840 pfr 630 pfr	D 5/32" APA RATED STRUCTURAL WOOD PANELS (32/16) BLOCK EDGES WITH 2x4 FLAT BLKG.	8d #2" o/c EDGES 8d #2" o/c FIELD	3x 12 W 3/4" x 10" A. BOLTS #32" o/c	16d SINKERS STGRD #12" o/c + 811PSON "LTP4" #16" o/c	MIN 3x FRAMING #EDGES (STUDS + BLOCKING)
710 pfr 840 pfr 764 pfr	E 5/32" APA RATED STRUCTURAL WOOD PANELS BOTH SIDES (32/16) BLOCK EDGES WITH 2x4 FLAT BLKG.	8d #4" o/c EDGES 8d #2" o/c FIELD (BOTH SIDES)	3x 12 W 3/4" x 10" A. BOLTS #32" o/c	16d SINKERS STGRD #8" o/c + 811PSON "LTP4" #16" o/c	
1020 pfr 1020 pfr 1020 pfr	F 5/32" APA RATED STRUCTURAL WOOD PANELS BOTH SIDES (32/16) BLOCK EDGES WITH 2x4 FLAT BLKG.	8d #3" o/c EDGES 8d #2" o/c FIELD (BOTH SIDES)	3x 12 W 3/4" x 10" A. BOLTS #24" o/c	16d SINKERS STGRD #8" o/c + 811PSON "LTP4" #8" o/c	MIN 3x FRAMING #EDGES (STUDS + BLOCKING)
1000 pfr 1650 pfr 831 pfr	G 5/32" APA RATED STRUCTURAL WOOD PANELS BOTH SIDES (32/16) BLOCK EDGES WITH 2x4 FLAT BLKG.	8d #2" o/c EDGES 8d #2" o/c FIELD (BOTH SIDES)	3x 12 W 3/4" x 10" A. BOLTS #16" o/c	16d SINKERS STGRD #8" o/c + 811PSON "LTP4" #8" o/c	MIN 3x FRAMING #EDGES (STUDS + BLOCKING)

SHEAR WALL SCHEDULE

(10d COMMON (φ=0.148", L=3") • (15/32") APA)

MARK	SHEATHING	SHEATHING NAILING	FDN ANCHORS	BILL & NAILING	REMARKS
310 pfr 344 pfr 355 pfr	A 5/32" APA RATED STRUCTURAL WOOD PANELS (32/16) BLOCK EDGES WITH 2x4 FLAT BLKG.	10d #4" o/c EDGES 10d #2" o/c FIELD	2x 12 W 3/4" x 10" A. BOLTS #48" o/c	16d SINKERS #12" o/c + 811PSON "LTP4" #48" o/c	TYPICAL, UNLESS NOTED OTHERWISE
460 pfr 840 pfr 522 pfr	B 5/32" APA RATED STRUCTURAL WOOD PANELS (32/16) BLOCK EDGES WITH 2x4 FLAT BLKG.	10d #4" o/c EDGES 10d #2" o/c FIELD	3x 12 W 3/4" x 10" A. BOLTS #48" o/c	16d SINKERS #12" o/c + 811PSON "LTP4" #24" o/c	
600 pfr 840 pfr 630 pfr	C 5/32" APA RATED STRUCTURAL WOOD PANELS (32/16) BLOCK EDGES WITH 2x4 FLAT BLKG.	10d #3" o/c EDGES 10d #2" o/c FIELD	3x 12 W 3/4" x 10" A. BOLTS #32" o/c	16d SINKERS STGRD #12" o/c + 811PSON "LTP4" #16" o/c	MIN 3x FRAMING #EDGES (STUDS + BLOCKING)
710 pfr 840 pfr 831 pfr	D 5/32" APA RATED STRUCTURAL WOOD PANELS (32/16) BLOCK EDGES WITH 2x4 FLAT BLKG.	10d #2" o/c EDGES 10d #2" o/c FIELD	3x 12 W 3/4" x 10" A. BOLTS #32" o/c	16d SINKERS STGRD #12" o/c + 811PSON "LTP4" #16" o/c	MIN 3x FRAMING #EDGES (STUDS + BLOCKING)
920 pfr 1020 pfr 831 pfr	E 5/32" APA RATED STRUCTURAL WOOD PANELS BOTH SIDES (32/16) BLOCK EDGES WITH 2x4 FLAT BLKG.	10d #4" o/c EDGES 10d #2" o/c FIELD (BOTH SIDES)	3x 12 W 3/4" x 10" A. BOLTS #24" o/c	16d SINKERS STGRD #12" o/c + 811PSON "LTP4" #12" o/c	
1200 pfr 1650 pfr 1020 pfr	F 5/32" APA RATED STRUCTURAL WOOD PANELS BOTH SIDES (32/16) BLOCK EDGES WITH 2x4 FLAT BLKG.	10d #3" o/c EDGES 10d #2" o/c FIELD (BOTH SIDES)	3x 12 W 3/4" x 10" A. BOLTS #16" o/c	16d SINKERS STGRD #8" o/c + 811PSON "LTP4" #8" o/c	MIN 3x FRAMING #EDGES (STUDS + BLOCKING)
1540 pfr 1650 pfr 1621 pfr	G 5/32" APA RATED STRUCTURAL WOOD PANELS BOTH SIDES (32/16) BLOCK EDGES WITH 2x4 FLAT BLKG.	10d #2" o/c EDGES 10d #2" o/c FIELD (BOTH SIDES)	3x 12 W 3/4" x 10" A. BOLTS #16" o/c	16d SINKERS STGRD #8" o/c + 811PSON "LTP4" #6" o/c	MIN 3x FRAMING #EDGES (STUDS + BLOCKING)



CITY OF PORTLAND, OREGON – BUREAU OF DEVELOPMENT SERVICES

Special Inspections • 1900 SW Fourth Avenue, Suite 5000 • Portland, Oregon 97201 • www.portlandonline.com/bds/

Structural Special Inspection and Observation Program Checksheet

The registered design professional in responsible charge shall prepare and submit a special inspection and structural observation program in accordance with IBC Sections 1704.1.1, 1705.2, and 106.3.4.1, and confirm that the special inspection and structural observations noted below are indicated on the drawings.

~ Please Note that Separate Soils and Life Safety Inspection Checksheets may also be required ~

Instructions -- This Checksheet must be fully completed to obtain your permits

⇒ Parts D and E must be completed by the Owner, Architect or Engineer acting as the owner's agent.

When complete, return to Document Services, attn: Special Inspections, or fax to (503) 823-4172.

Application #	05-136461-REV-01-RS	Date:	June 28, 2006
Project Name:	2224 SW KANAN ST		
Site Address:	2224 SW KANAN ST		
Architect of Record (Firm)	None	Phone #	N/A
Engineer of Record (Firm)	Berry Kenny Engineers	Phone #	503-607-0481

The following special inspections and structural observations shall be performed according to the State Building Code and City of Portland Special Inspection Program Administrative Rules unless a program of inspections is submitted by the Engineer of Record and approved by Bureau of Development Services.

A. REQUIRED SPECIAL INSPECTIONS FOR ALL BUILDING TYPES

- | | | | |
|--|--|--|--|
| ☐ Steel Construction | ☐ Concrete Construction | ☒ Anchors – Adhesive | ☐ Wood Construction |
| ☐ Curtainwall | ☐ Prestressed Concrete | ☐ Anchors – Cast-in-place | ☐ Masonry fm = |
| ☐ Structural Silicone Glazing | ☐ Shotcrete | ☐ Anchors – Expansion | ☐ Cold Formed Steel Framing |
| Special Cases: | ☐ | ☐ | ☐ |

B. REQUIRED SPECIAL INSPECTIONS FOR CATEGORY III AND IV BUILDINGS (In addition to those noted above.)

- | | | | |
|---|---|--|---|
| ☐ Seismic Force Resist. System | ☐ Storage Racks | ☐ Access Floors | ☐ Suspended Ceilings |
| ☐ Mechanical Components | ☐ Electrical Components | ☐ Cladding | ☐ Veneer |
| ☐ Nonbearing Walls | ☐ Seismic Isolation System | | |
| Special Cases: | ☐ | ☐ | ☐ |

C. STRUCTURAL OBSERVATION

- ☐ Required (The stages of construction at which structural observation is to occur shall be indicated on the drawings.)

D. APPROVED SPECIAL INSPECTOR OR INSPECTION AGENCY (To be completed by the applicant.)

Indicate the City approved special inspector or special inspection agency to perform the required special inspections noted in parts A. and B. above:

- | | | |
|---|---|---|
| ☐ Carlson Testing (503) 684-3460 | ☐ Northwest Geotech (503) 682-1380 | ☒ PSI (503) 289-1778 |
| ☐ Mayes Testing, Inc. (503) 281-7515 | ☐ Clair Company (800) 383-8855 | ☐ Krazan & Assoc. (425) 485-5519 |
| ☐ Other: | | |

E. SIGNATURE (To be completed by the applicant.)

The owner hereby agrees to employ the special inspector, special inspection agency and/or engineer for the above noted special inspections and/or structural observations. (Contractors are NOT authorized to sign for the Owner.)

Signature of Owner or the Architect or Engineer acting as the Owner's Agent: Michaela Koral Date: 6/28/2006

Print Name: MICHAELINE KORAL Phone: 503.341-0323

Firm: _____

APPLICANT – COMPLETE PARTS D & E

RIE INC.

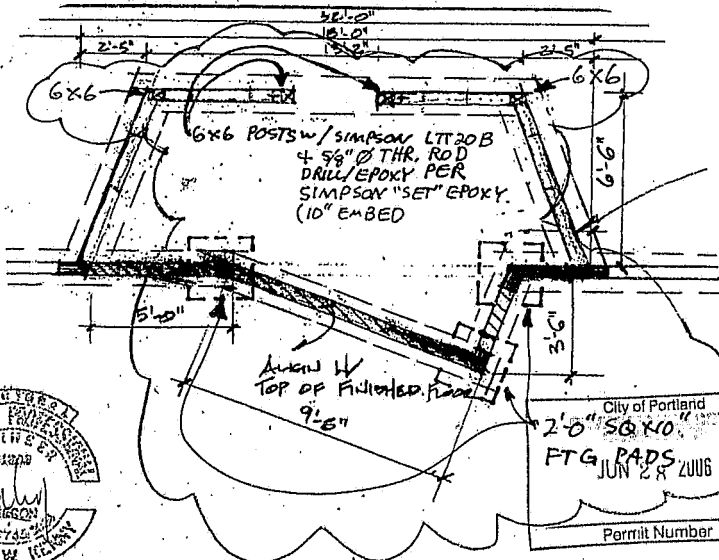
STRUCTURAL ENGINEERS

2700 SE HARRISON STREET
SUITE B, MILWAUKIE, OR 97222
TEL (503) 607-0481
FAX (503) 607-0486
shane@bkengineers.com

☐ Conference	Project: Kiraly Residence	Job No.: 05-277
☐ Phone	Subject: Revised Entry (FOUNDATION PLAN)	Date: June 27, 2006
☐ Field	With: SUPPORTING CALCS C1-C8	Time: -
☐ Memo	To: Michaeline Kiraly	By: SAE
☐ Job Observation	By: SAE	Ref Sheet:
☒ Revision Sketch	Distribution: -	Permit Sheet #: R1

SPECIAL INSPECTIONS ARE REQUIRED ON THIS PERMIT FOR THE FOLLOWING AREAS OF CONSTRUCTION:

- ☐ STRUCTURAL STEEL ☒ ADHESIVE ANCHORS
☐ REINFORCED CONCRETE ☐ _____
☐ STRUCTURAL OBSERVATION BY THE ENGINEER IS TO OCCUR AT THE FOLLOWING STAGES OF CONSTRUCTION:



REVISION DATE: 6/30/07

BIKE INC.

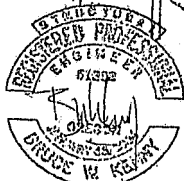
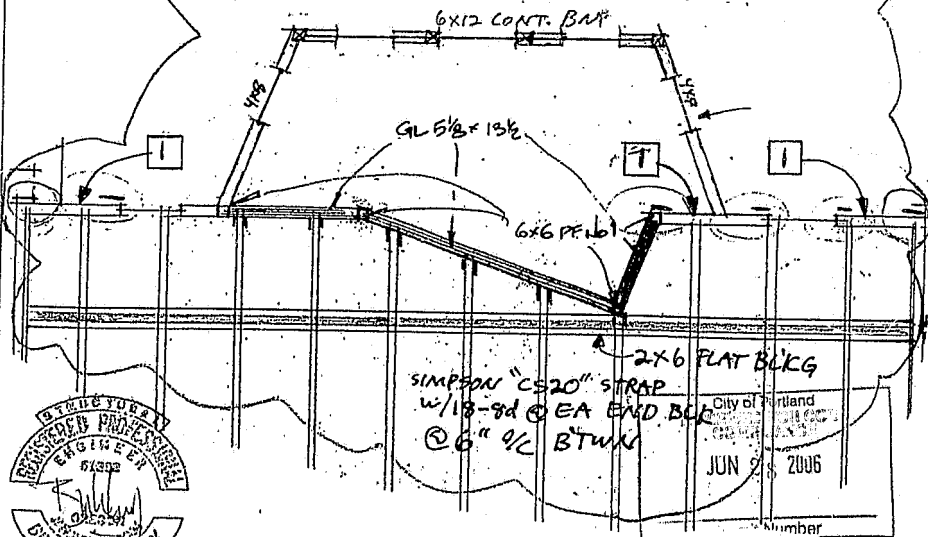
STRUCTURAL
ENGINEERS

2700 SE HARRISON STREET
SUITE B, MILWAUKIE, OR 97222
TEL (503) 607-0481
FAX (503) 607-0486
shane@bkengineers.com

☐ Conference	Project: Kiraly Residence	Job No.: 05-277
☐ Phone	Subject: Revised Entry (SECOND FLOOR PLAN)	Date: June 27, 2006
☐ Field	With: SUPPORTING CALLS C1-C8	Time: -
☐ Memo	To: Michaeline Kiraly	By: SAE
☐ Job Observation	By: SAE	Ref. Sheet:
☒ Revision Sketch	Distribution: -	Sheet #: R2

1" SIMPSON "ASTC40"
(AT FLR-FLR CONNECTION)
KING STUD + TRIMMERS MUST
ALIGN FLR-FLR.

1 1 1/2 APA WALL SH'TG
w/10d @ 6" $\varnothing$ - EDGES
@ 12" $\varnothing$ - FIELD

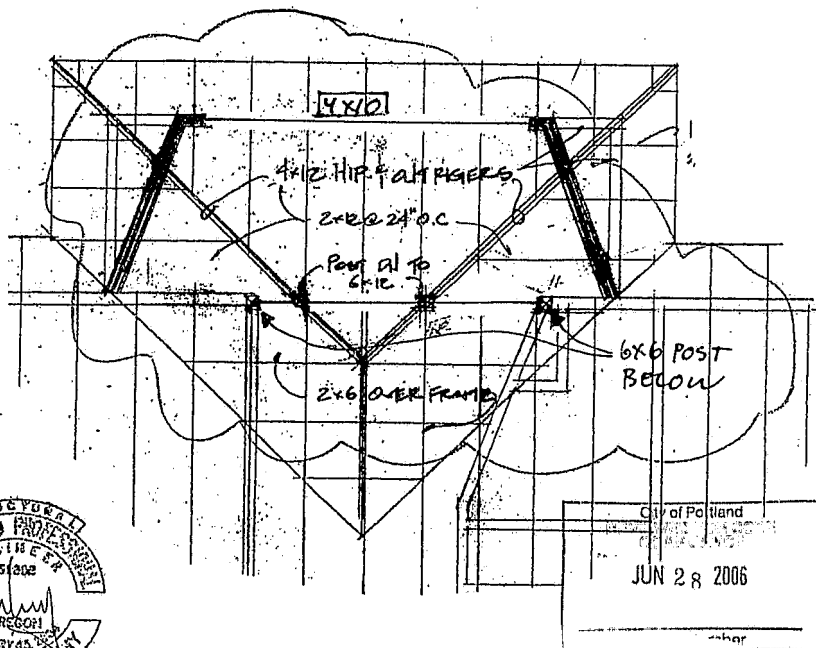


REVISION DATE: 6/30/07

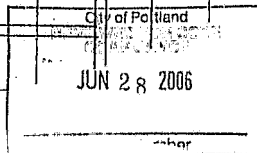
BK INC. **STRUCTURAL** **ENGINEERS**

2700 SE HARRISON STREET
 SUITE B, MILWAUKIE, OR 97222
 TEL (503) 607-0481
 FAX (503) 607-0486
 shane@bkengineers.com

☐ Conference	Project: <u>Kiraly Residence</u>	Job No.: <u>05-277</u>
☐ Phone	Subject: <u>Revised Entry (ROOF PLAN)</u>	Date: <u>June 27, 2006</u>
☐ Field	With: <u>SUPPORTING CALCS 'C1-C8</u>	Time: <u>-</u>
☐ Memo	To: <u>Michaeline Kiraly</u>	By: <u>SAE</u>
☐ Job Observation	By: <u>SAE</u>	Ref. Sheet: <u>-</u>
☒ Revision Sketch	Distribution: <u>-</u>	Sheet #: <u>R3</u>



RENEWAL DATE: 6/30/07

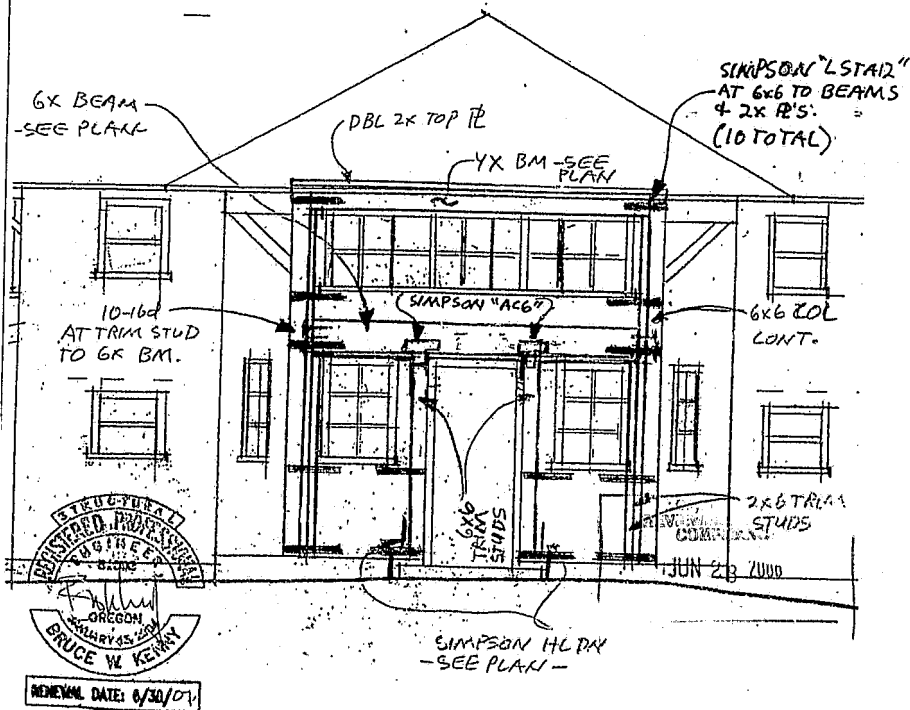


BIKE INC.

STRUCTURAL ENGINEERS

2700 SE HARRISON STREET
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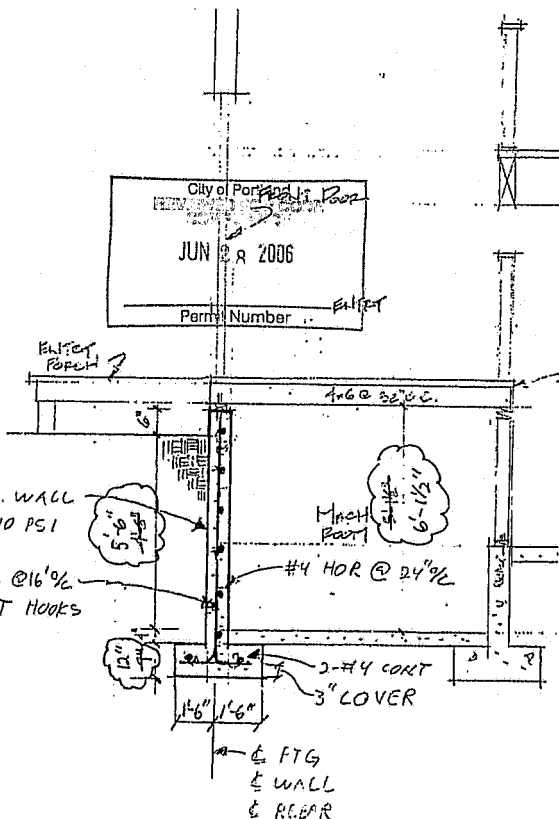
☐ Conference	Project: <u>Kiraly Residence</u>	Job No.: <u>05-277</u>
☐ Phone	Subject: <u>Revised Entry (ELEVATION)</u>	Date: <u>June 27, 2006</u>
☐ Field	With: <u>SUPPORTING CALLS C1-C8</u>	Time: <u>-</u>
☐ Memo	To: <u>Michaeline Kiraly</u>	By: <u>SAE</u>
☐ Job Observation	By: <u>SAE</u>	Ref. Sheet: <u>-</u>
☒ Revision Sketch	Distribution: <u>-</u>	Sheet #: <u>R4</u>



BK INC. **STRUCTURAL** **ENGINEERS**

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 TEL (503) 607-0481
 FAX (503) 607-0486
 shane@bkengineers.com

☐ Conference	Project: <u>Kiraly Residence</u>	Job No.: <u>05-277</u>
☐ Phone	Subject: <u>Revised Entry (Foundation Section)</u>	Date: <u>June 27, 2006</u>
☐ Field	With: <u>SUPPORTING CACCS. CI-C8</u>	Time: <u>-</u>
☐ Memo	To: <u>Michaeline Kiraly</u>	By: <u>SAE</u>
☐ Job Observation	By: <u>SAE</u>	Ref. Sheet: <u>-</u>
☒ Revision Sketch	Distribution: <u>-</u>	Sheet #: <u>R5</u>



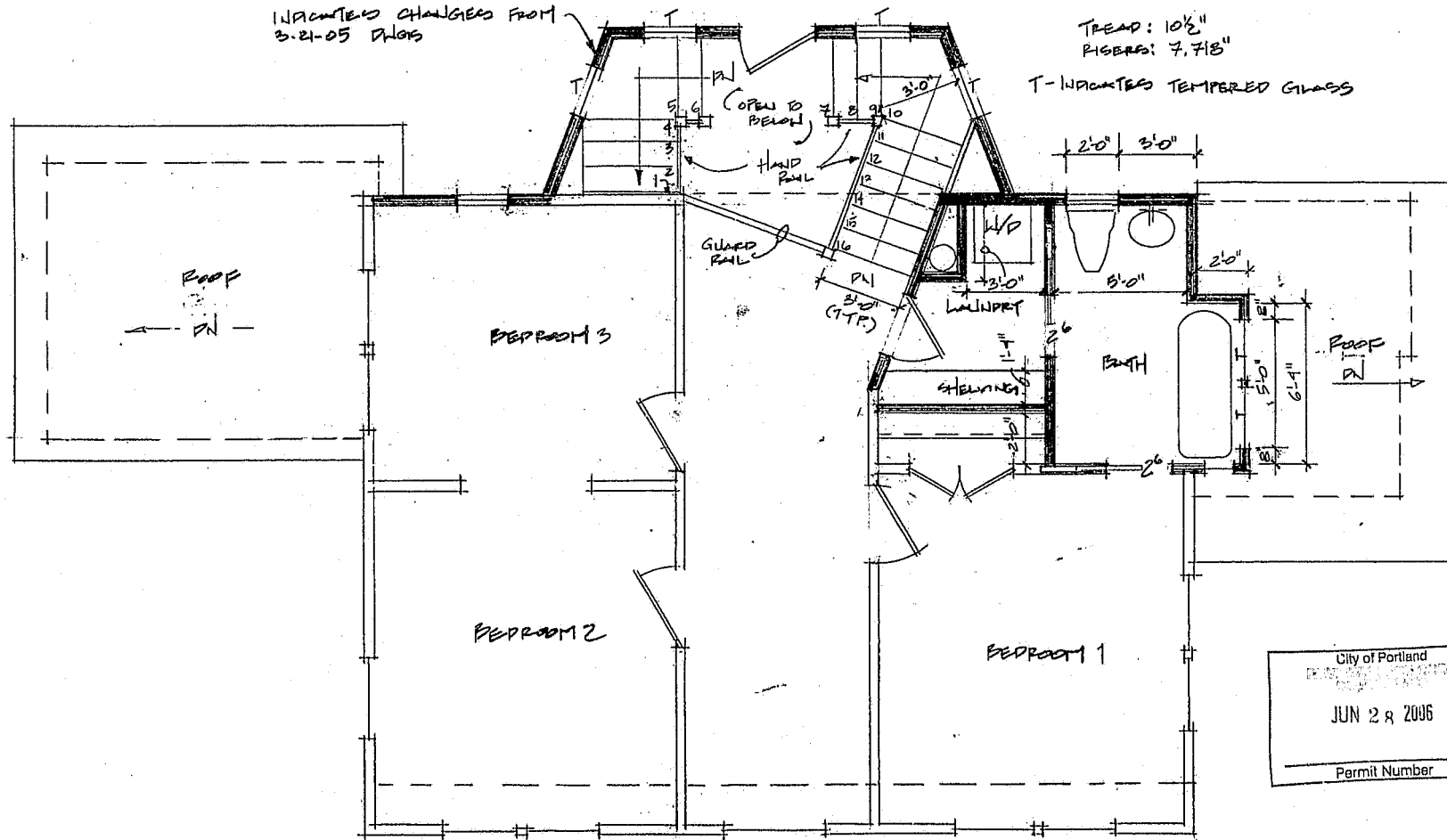
RENEWAL DATE 6/30/07

INDICATED CHANGES FROM
3-21-05 DWGS

STAIRS

TREAD: $10\frac{1}{2}"$
RISER: $7.718"$

T-INDICATES TEMPERED GLASS



1 SECOND FLOOR PLAN
3x SCALE: $\frac{1}{4}" = 1'-0"$

3x



City of Portland
Bureau of
Development Services
By ME-1 Date 6/16/06
Approved by
Planning and Zoning Review

City of Portland
BUREAU OF DEVELOPMENT SERVICES
JUN 16 2006
Permit Number

1
4x NORTH ELEVATION
SCALE: 1/4" = 1'-0"

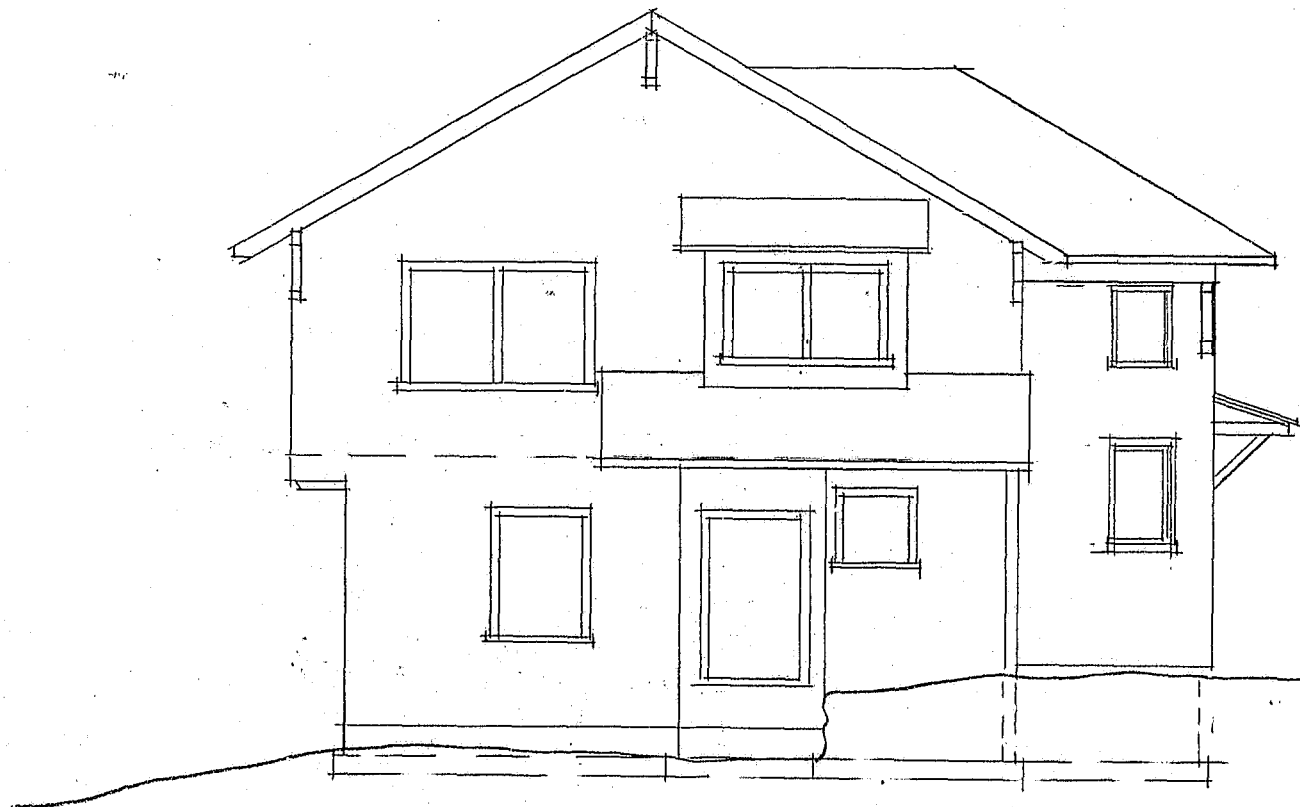
4x



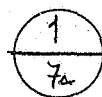
City of Portland
JUN 28 2006
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1 WEST ELEVATION
6A SCALE: 1/4"=1'-0"

6A



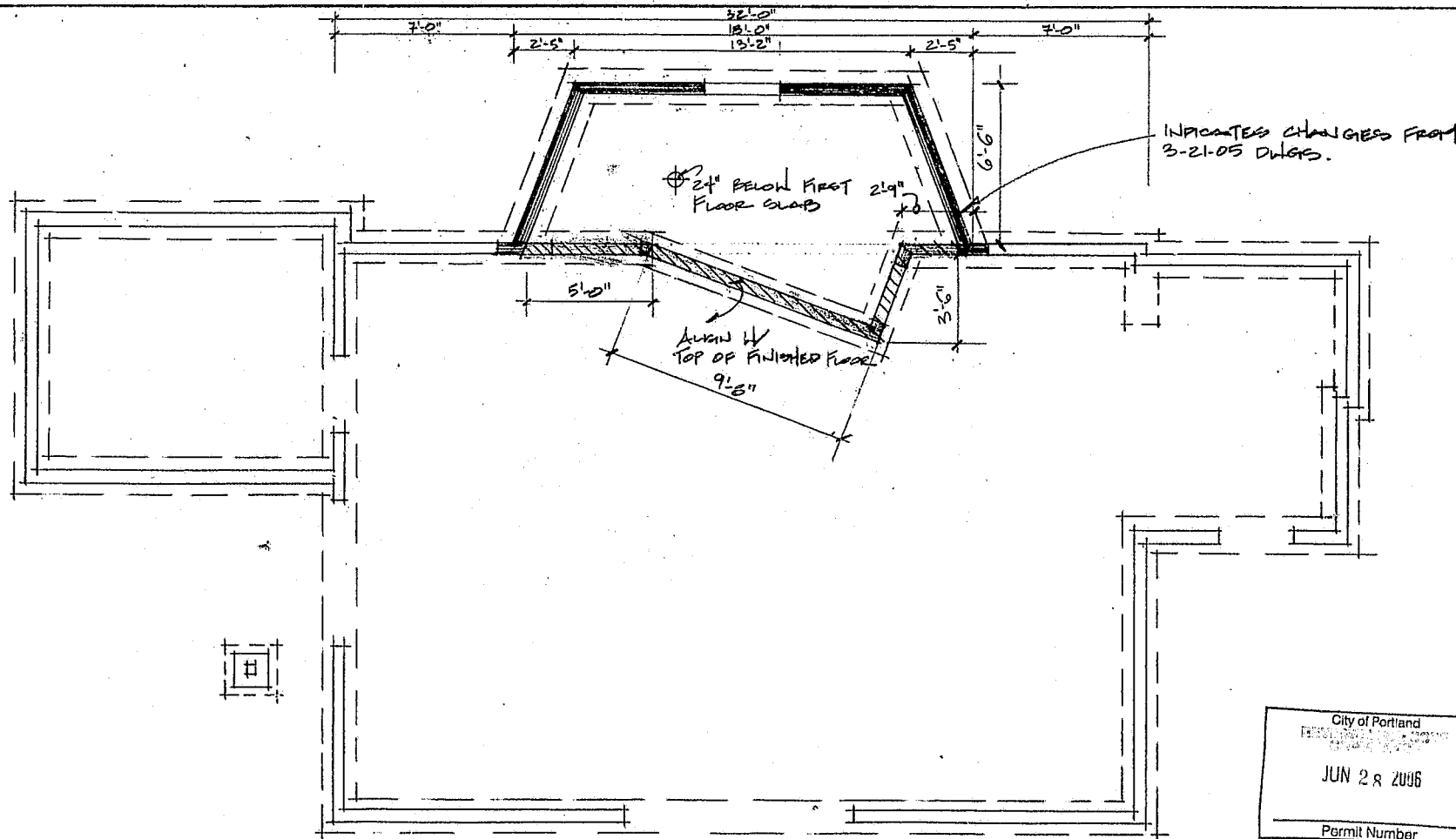
City of Portland
JUN 28 2006
Permit Number



EAST ELEVATION

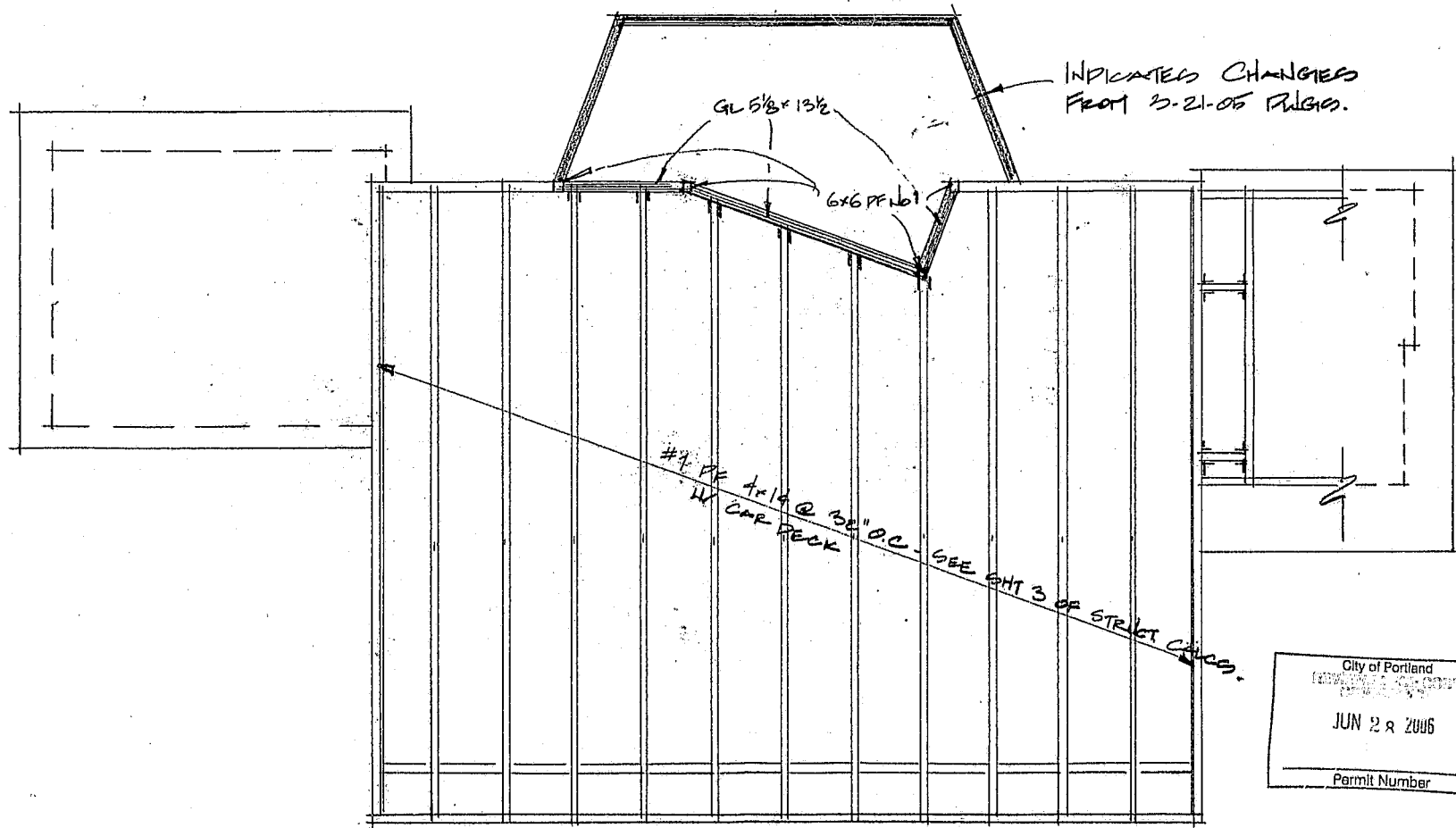
SCALE: 1/4" = 1'0"

7a



City of Portland
 JUN 28 2006
 Permit Number

8A



INDICATED CHANGES
FROM 3-21-05 REVISED.

GL 5 1/8" = 13 1/2"

6x6 PFT 101

#1 PF 4x14 @ 32" O.C. SEE SHT 3 OF STRICT CHGS.
W/ CAR DECK

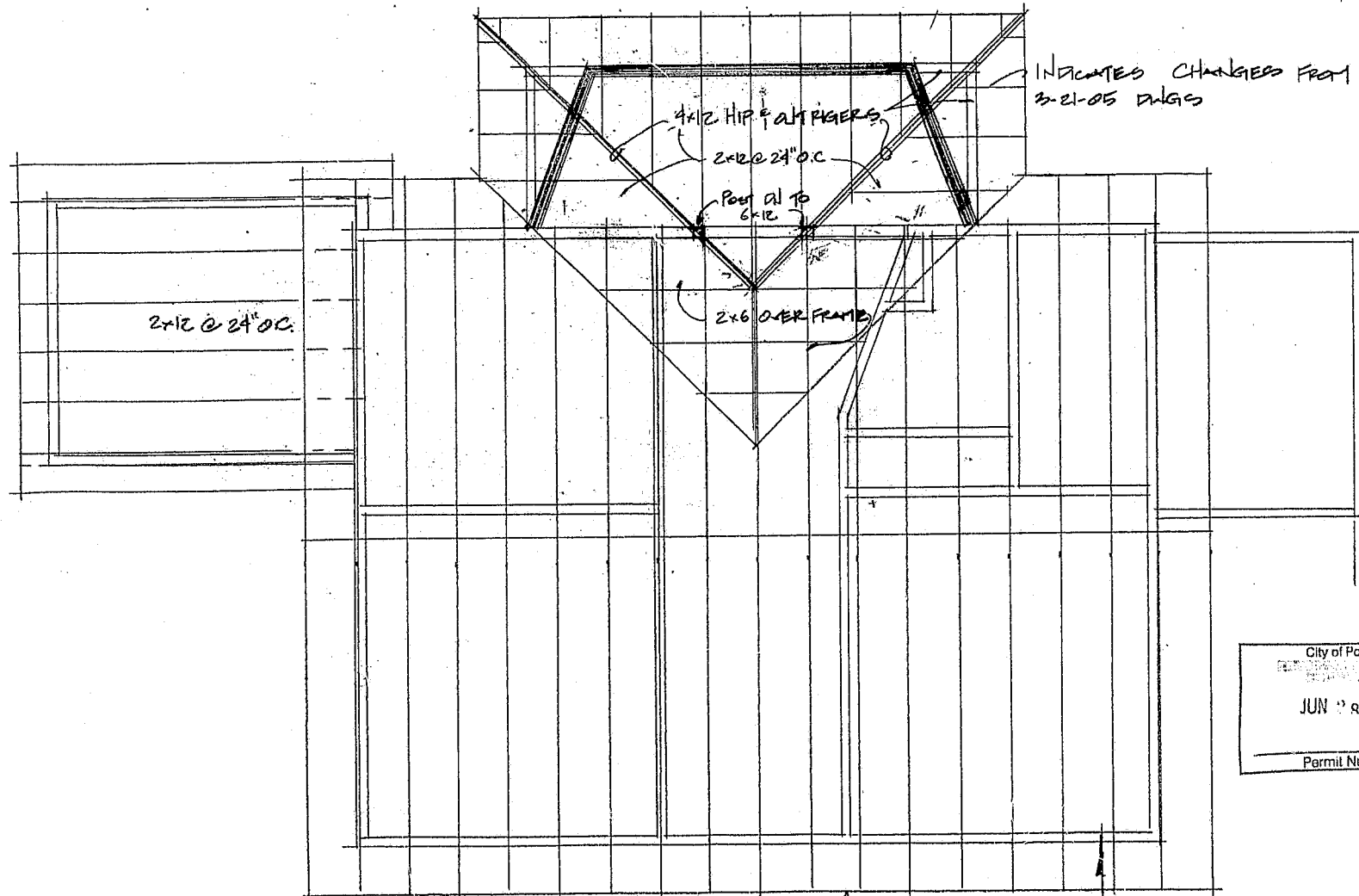
City of Portland
JUN 28 2006
Permit Number

1
9/11

SECOND FLOOR FRAMING PLAN

SCALE: 1/4" = 1'-0"

9A



City of Portland
JUN 28 2005
Permit Number

1 ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

10A