

9644 SW 48TH AVE

RS00-187486

RS-00-187486

R

32

FEB 27 2001
MICROFILMED



CITY OF
PORTLAND, OREGON
 OFFICE OF PLANNING AND DEVELOPMENT REVIEW
 1900 SW 4th Ave, Suite 5000
 Portland, OR 97201



RESIDENTIAL 1 & 2 FAMILY PERMIT

00-187486-000-00-RS

Site Address: 9644 SW 48TH AVE

Issued: 2/22/01

| | | | |
|--|------------|------------|-------------|
| PROJECT INFORMATION | | Occ. Group | Const. Type |
| Garage/Carport | Alteration | U1 | V-N |
| Project Description: FINISH 2ND STORY OF GARAGE FOR OFFICE & CLOSET, construct new exterior stairs.- | | | |

| | | | |
|-------------------|------------------------------------|-------|----------------|
| APPLICANT | ADAM REED | Phone | (503) 452-0570 |
| OWNER | MELISSA L WILSON & KAREN' L WILSON | Phone | |
| CONTRACTOR | ADAM REED | Phone | |

| Project Details | |
|----------------------------------|----------------|
| 1st Brnch circuit w/o svc or fdr | 1 |
| Each additional branch circuit | 2 |
| Use 1/Building Code | Private Garage |

| Project Details | |
|---------------------|------|
| Code Edition (Year) | 2000 |
| Lot Area (Sq. Ft.) | 5000 |

PAID

FEB 22 2001

CITY OF PORTLAND

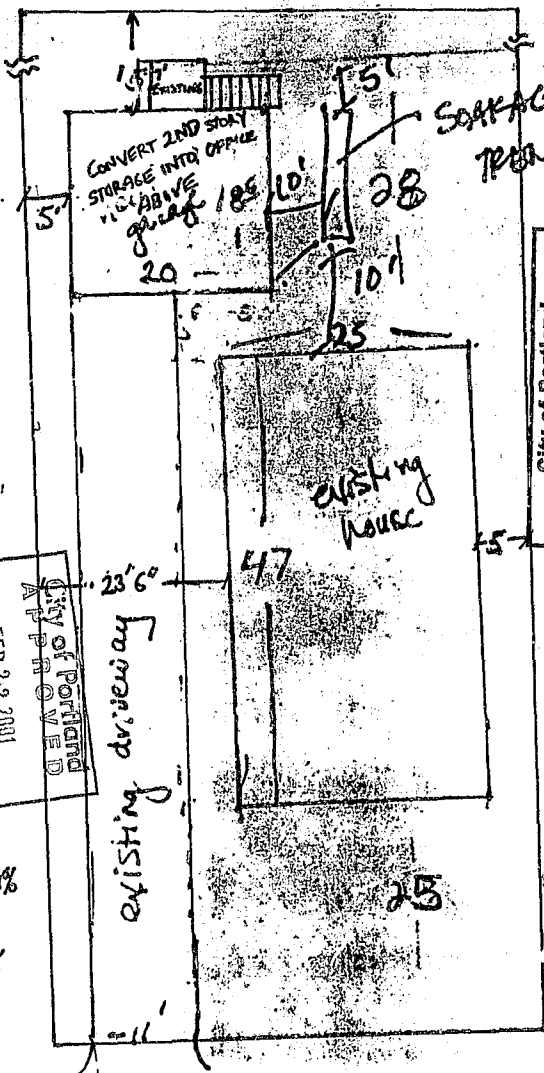
BEFORE YOU DIG ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. These rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the center. (Note: the telephone number for the Oregon Utility Notification Center is 1-866-332-2344).

| | |
|---------------------|---------------------|
| CITY CONTACT | Phone: |
| E-Mail: | Fax: (503) 823-4.72 |

| | | |
|--|---|----------------|
| INSPECTION REQUEST PHONES NUMBERS | Building/Trade Inspections - Call Before 6:00 AM: | (503) 823-7000 |
| TDD: (503) 823-6868 | | |
| IVR Inspection Request Number: | | 2073778 |

2

①



100
 City of Portland
 APPROVED
 FEB 22 2001
 Permit Number

City of Portland
 Office of Planning
 and Development Review
 By John Nelson Date 12/1/14
 Approved by
 Planning and Zoning Review
 Convert 2nd Floor Storage to home office
 above garage

% lot coverage 30.9%
 % accessory structure 7.4%

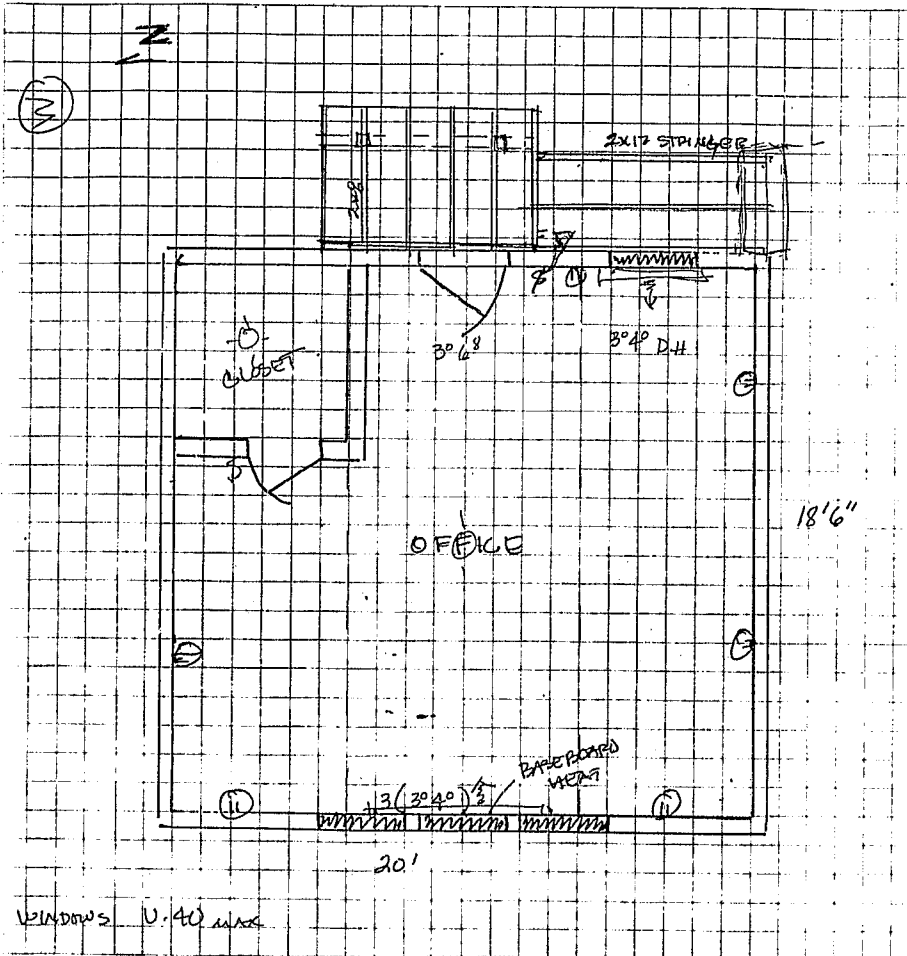
14587

← N 50' 1" = 20'
 9644 SW 48th Ave

9644 00-187486-R5



PROJECT: _____ PROJECT NO. _____
SUBJECT: _____ DATE / TIME: _____
TO: _____ FROM: _____



QUALITY BUILDINGS . . . QUALITY RELATIONSHIPS

REQUIRED EAST WALL MODIFICATIONS:

ROOF VENTS min.
1.2 SF clear area
TOTAL VENT AREA:

TYP VAULTED AREA

2x8 @ 24" OC EAST IN
4" rigid INSUL
TYP IN VAULTED
AREA = R 30

R 30

STEADY WALL

3/4" PLY
SHEATH

CEILING
STUDS

TRUSS
HEADS

Door
Frame

R 25

R 25

2X12
FLOOR
JOIST

UPPER FLOOR
WALL STUDS, TYP

LOWER FLOOR
WALL STUD, TYP

PROVIDE SIMPSON LSTA36 STRAP
ON EITHER SIDE OF NEW UPPER
FLOOR EAST WALL DOOR. PROVIDE
MIN (7) 16d INTO UPPER & LOWER
WALL STUDS, INSTALL STRAPS ON
INSIDE OF WALL, KERF FLOOR SHEATHING
TO PASS STRAPS THROUGH FLOOR.



PROJECT:

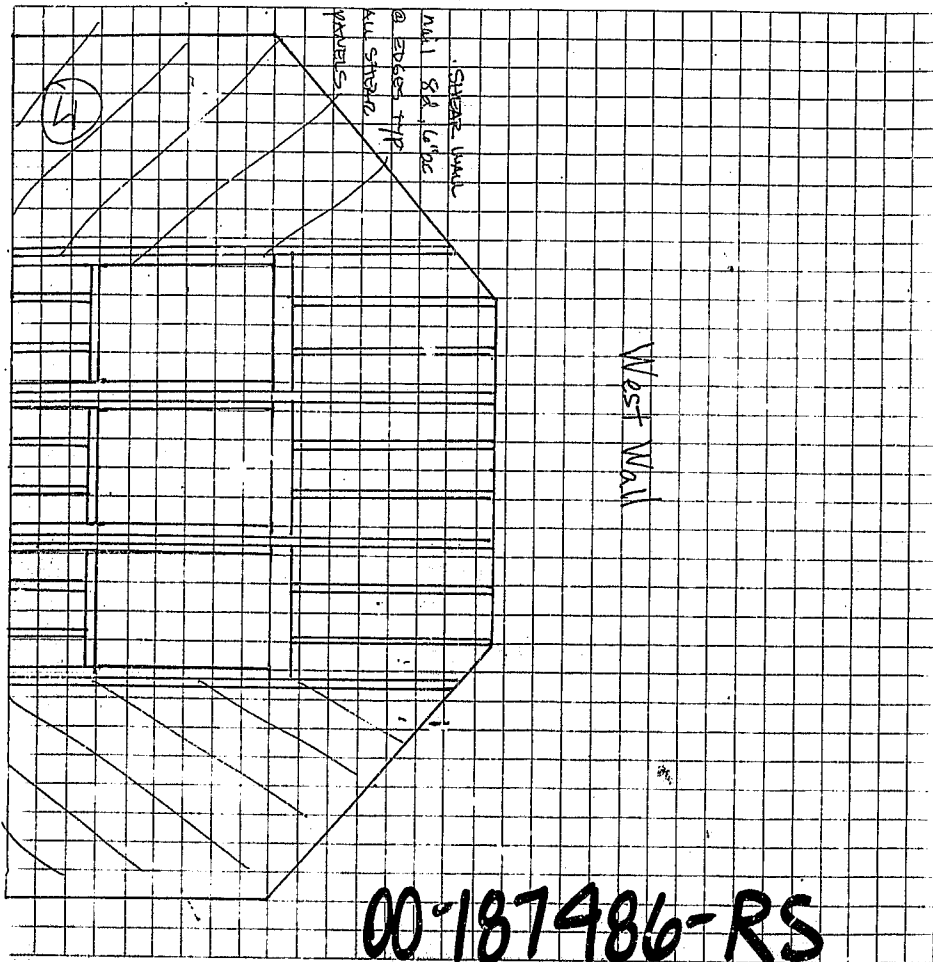
PROJECT No:

SUBJECT:

DATE / TIME:

TO:

FROM:



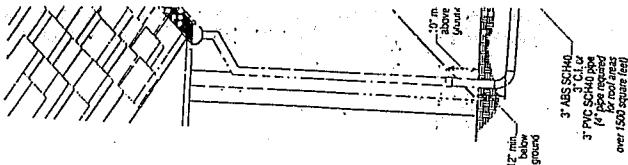
00-187486-RS

QUALITY BUILDINGS... QUALITY RELATIONSHIPS

3030 SW MOODY AVENUE, SUITE 250, PORTLAND, OREGON 97201-4897

TELEPHONE: (503) 222-2000

FAX: (503) 273-0220

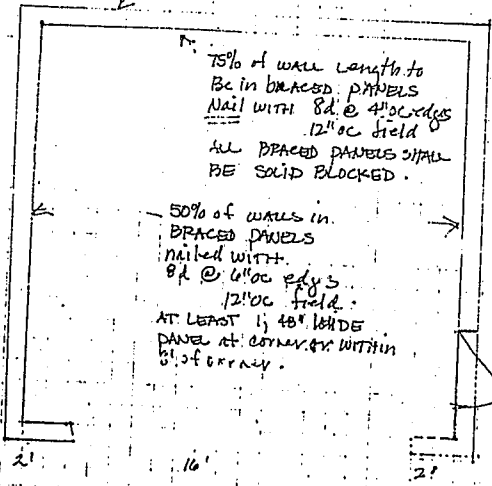


In 2011, within Madison County, where it is located.

8

Address to 2nd floor by pull down attic stairs

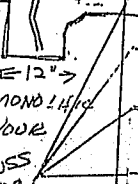
6x10 AB @ 4' OC this wall



EXISTING 6' DOOR

EXISTING 1st Floor Plan

| | | | | |
|---|---|----------|---|----------------------|
| Sold To Address 6x10 AB 2x6 PT 15-16-17 | Delivered To 4 WITHIN 120 of corner of 3 pieces | TOP VIEW | Customer Approval Sold By Delivery Date PLAN NO. | SPECIAL INSTRUCTIONS |
|---|---|----------|---|----------------------|



8'-3"

7'-3"

36"

4x6 BU.

8'-4"

2x2

2x8 PT

2x8 1/2 PT

4x4 PT

10

18"

2x8 @ 16" oc.

1/2" x 4" LAG

2'0" MAX

16"

3'2"

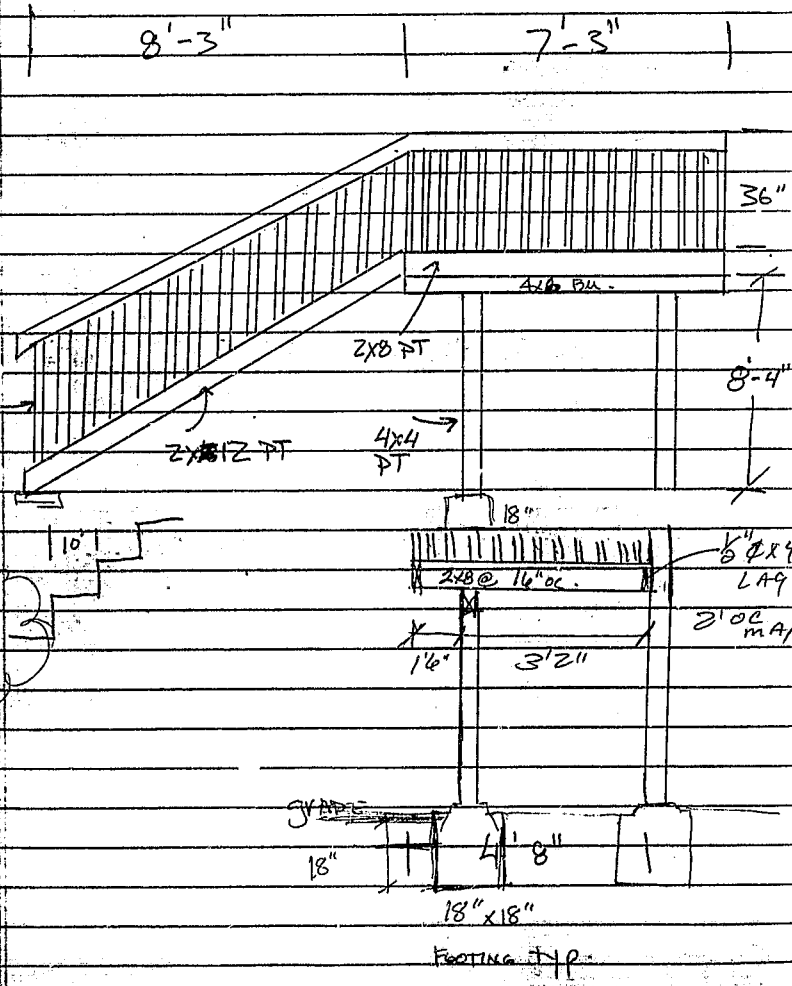
GRADE

18"

4'8"

18" x 18"

FOOTING TP.





PROJECT: Lateral for Garage at 9844 SW 49th, Portland, OR PROJECT NO. 00-092
 SUBJECT: Design Criteria and Lateral Calc DATE: 12/19/00 SHEET: 1 of 2

I. PURPOSE OF CALCULATIONS:

To verify adequate shear capacity in east and west garage walls after added windows and doors to upper level.

II. ASSUMPTIONS:

- North and south walls are adequate, verify capacity to resist rotation of upper floor diaphragm due to lack of lower floor west wall shearwalls.
- By observation, wind controls design.

III. DESIGN CRITERIA:

Design Per 1997 Uniform Building Code

EXPIRES: 6/30/02

Lateral loads as follows:
80 mph wind zone, exposure "B"

Wind Pressure, $P = C_e \times C_q \times Q_s \times I$
Where:

| | | |
|---------------------|--------------|-------------------------------------|
| $C_q = 1.0$ (Roof) | $C_e = 0.62$ | $P = 13.2$ psf (0 to 15 ft, walls) |
| $C_q = 1.3$ (Walls) | $= 0.87$ | $P = 14.3$ psf (15 to 20 ft, walls) |
| $Q_s = 16.4$ | $= 0.72$ | $P = 15.4$ psf (20 to 22 ft, walls) |
| $I = 1.0$ | $= 0.87$ | $P = 11.0$ psf (15 to 20 ft, roof) |
| | $= 0.72$ | $P = 11.8$ psf (20 to 22 ft, roof) |

IV. CALCULATIONS:**Wind forces in the north-south direction, upper floor:**

(Total wind force to be resisted by east wall)

Wind area from 20' to 22' = 37 sq ft

Wind area from 15' to 20' = 93 sq ft

Wind area from 12' to 15' = 56 sq ft

Total wind force to upper level = 2,187 lbs

Total length of upper floor east shearwall = 14.5 feet

Uniform shear in upper floor east shearwalls = 151 lbs/ft

(O.K. < Allowable = 260 lbs/ft, verify min 8d @ 6" o.c. along panel edges)

Check overturn of each shearwall:

(assume shearwall w/ window to act as solid wall for overturn)

Length of each upper floor east shearwalls = 8.5 feet

Wind force to each shearwall = 1,093 lbs

Height of each shearwall = 8 feet

Overturn force to each shearwall = 6,581 ft-lbs

Holddown req'd at each end = 772 lbs (Ignore wall dead load)

(Note: holddown not req'd at corner due to connection to north or south wall dead load > 772 lbs)

(Provide Simpson LSTA36 on either side of new upper floor door)**(Note: Upper north end south shearwalls are adequate, by observation).**

PROJECT: Lateral for Garage at 9644 SW 48th, Portland, OR PROJECT NO. 00-092SUBJECT: Lateral Calculations DATE: 12/19/00 SHEET: 2 of 2**IV. CALCULATIONS (cont):****Wind forces in the north-south direction, lower floor:**

(Total wind force to be resisted by east wall)

Wind area from 20' to 22' = 37 sq ft

Wind area from 15' to 20' = 93 sq ft

Wind area from 4.5' to 15' = 194 sq ft

Total wind force to lower level = 4,021 lbs

Total length of lower floor east shearwall = 20 feet

Uniform shear in lower floor east shearwall = 201 lbs/ft

(O.K. < Allowable = 260 lbs/ft, verify min 8d @ 6" o.c. along panel edges)

Check overturn of shearwall:

Length of each lower floor east shearwall = 20 feet

Wind force to shearwall = 4,021 lbs

Effective height of shearwall = 12.28 feet

Overturn force to shearwall = 49,297 ft-lbs

2/3 Dead load resistive moment = 23,733 ft-lbs

Holdown req'd at each end = 1,278 lbs

(Note: holdown not req'd at corner due to connection to north or south wall dead load > 1,278 lbs)

(O.K., lower east wall is adequate as indicated on drawings)

Check wind forces in the lower north-south shearwalls to resist rotation:

Moment couple due to no lower west shearwalls = 3,719 lbs

Length of north or south lower floor shearwalls = 18.5 feet

Uniform shear in lower floor n-s shearwalls = 201 lbs/ft

(O.K. < Allowable = 260 lbs/ft, verify min 8d @ 6" o.c. along panel edges)

Note: By observation, overturn is not a problem.**Required Modifications:**

Provide Simpson LSTA36 vertical strap on either side of new upper floor east wall door. Provide min (7) 16d into upper and lower floor wall studs, install strap on inside of wall, kerf floor sheathing to pass strap through floor.