

EXTERIOR WALLS

GA FILE NO. WP 8006

PROPRIETARY*

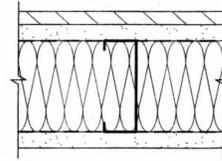
**1 HOUR
FIRE**

**GYPSUM WALLBOARD, GLASS MAT GYPSUM SUBSTRATE,
STEEL STUDS, MINERAL OR GLASS FIBER INSULATION**

EXTERIOR SIDE: One layer 5/8" proprietary type X glass mat gypsum substrate (sheathing) applied parallel to 3 1/2" 20 gage steel studs 24" o.c. with 1" Type S-12, self-drilling, corrosion resistant, bugle head, drywall screws 12" o.c. Studs attached to both vertical legs of floor and ceiling runners either by welding or with 1/2" Type S-12 pan head screws. Mineral or glass fiber insulation friction fit into the stud space. Exterior cladding to be attached through glass mat gypsum panel to studs.

INTERIOR SIDE: One layer 5/8" proprietary type X gypsum board applied parallel to studs with 1" Type S-12 drywall screws 12" o.c.

Bracing: Lateral bracing spaced not over 40" o.c. shall be 1" by 18 gage steel straps attached to each side or channel bracing attached to each stud with a clip angle. For studs with holes or punch-outs in the web the "Q" factor shall be determined by means of stub column tests. Tested at 100 percent of design load. **(LOAD-BEARING)**



FIRE SIDE

Thickness: 4 3/4"
 Approx. Weight: 6 psf
 Fire Test: UL R3660/R15187,
 01NK21103, 2-4-02,
 UL Design U425

PROPRIETARY GYPSUM PANEL PRODUCTS

- BPB America Inc. - 5/8" ProRoc® Type X Gypsum Panels
- 5/8" GlasRoc® Sheathing Type X
- BPB Canada Inc. - 5/8" ProRoc® Type X Gypsum Panels
- G-P Gypsum - 5/8" ToughRock® Fireguard®
- 5/8" DensGlass Gold® Fireguard®

GA FILE NO. WP 8105

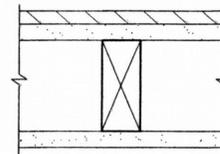
GENERIC

**1 HOUR
FIRE**

GYPSUM WALLBOARD, GYPSUM SHEATHING, WOOD STUDS

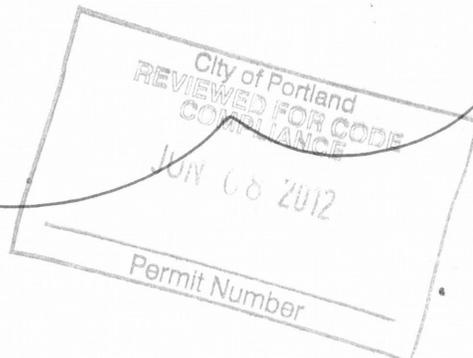
EXTERIOR SIDE: One layer 48" wide 5/8" type X gypsum sheathing applied parallel to 2 x 4 wood studs 24" o.c. with 1 3/4" galvanized roofing nails 4" o.c. at vertical joints and 7" o.c. at intermediate studs and top and bottom plates. Joints of gypsum sheathing may be left untreated. Exterior cladding to be attached through sheathing to studs.

INTERIOR SIDE: One layer 5/8" type X gypsum wallboard, water-resistant gypsum backing board, or gypsum veneer base applied parallel or at right angles to studs with 6d coated nails, 1 7/8" long, 0.0915" shank, 1/4" heads, 7" o.c. **(LOAD-BEARING)**



Thickness: Varies
 Approx. Weight: 7 psf
 Fire Test: See WP 3510
 (UL R3501-47, -48, 9-17-65,
 UL Design U309;
 UL R1319-129, 7-22-70,
 UL Design U314)

GUARDRAIL @ DECK



*Contact the manufacturer for more detailed information on proprietary products.



Building Permit Application
City of Portland, Oregon - Bureau of Development Services

1900 SW 4th Avenue, Portland, Oregon 97201 • 503-823-7310 • TTY 503-823-6868 • www.portlandoregon.gov/bds

12-147450-C

Type of work

New construction Addition/alteration/replacement

Demolition Other:

Category of construction

1 & 2 family dwelling Commercial/industrial Accessory building

Multifamily Master builder Other:

Job site information and location

Job no.: Job address: 3952-3958 N ALBINA AVE

City/State/ZIP: PORTLAND OR.

Suite/bldg./apt. no.: Project name: STAIR CASE

Cross street/directions to job site:

Subdivision: Lot no. 14 1N1E22C0 Tax map/parcel no. R14680 3120

Description of work

REPLACE STAIR CASE ON South side
REAR

Reference RS / Combination Permit no.

Property owner **Tenant**

Name: B EDWARD GROOTENDORP

Address: 1862 OAK KNOLL CT.

City/State/ZIP: LAKE OSWEGO OR. 97034-3734

Phone: FAX:

Owner installation: This installation is being made on property that I own, which is not intended for sale, lease, rent, or exchange.

Owner signature: Date:

Contractor

Business name: WOODCHUCK CONSTRUCTION

Address: PO Box 12206

City/State/ZIP: PORTLAND OR 97212

Phone: 503 805 9573 FAX:

CCB lic. no. 130395

Authorized signature: Michael Newman

Print name: Date: 6/5/12

Applicant **Contact Person**

Business name: WOODCHUCK CONSULTA

Contact name: Michael Newman

Address: PO Box 12206

City/State/ZIP: PORTLAND OR 97212

Phone: 503 805 9573 FAX:

E-mail:

Authorized signature: Michael Newman

Print name: Michael Newman Date: 6/5/12

This permit application expires if a permit is not obtained within 180 days after it has been accepted as complete.

Office Use Only

Permit no:

Date received:

By:

Required Data: One and Two Family Dwelling

Permit fees* are based on the value of the work performed. Indicate the value (rounded to the nearest dollar) of all equipment, materials, labor, overhead, and the profit for the work indicated on this application.

Valuation:	
Number of bedrooms:	
Number of bathrooms:	
Total number of floors:	
New dwelling area:	square feet
Garage/carport area:	square feet
Covered porch area:	square feet
Deck area:	square feet
Other structure area:	square feet

Required Data: Commercial Use

Permit fees* are based on the value of the work performed. Indicate the value (rounded to the nearest dollar) of all equipment, materials, labor, overhead, and the profit for the work indicated on this application.

Valuation:	<u>1500</u>
Existing building area:	square feet
New building area:	square feet
Number of stories:	
Type of construction:	
Occupancy groups	
Existing:	
New:	

Notice

All contractors and subcontractors are required to be licensed with the Oregon Construction Contractors Board under ORS 701 and may be required to be licensed in the jurisdiction in which work is being performed. If the applicant is exempt from licensing, the following reasons apply.

Statement of Fact: I certify that the facts and information set forth in this application are true and complete to the best of my knowledge. I understand that any falsification, misrepresentation or omission of fact (whether intentional or not) in this application or any other required document, as well as any misleading statement or omission, may be cause for revocation of permit and/or certificate of occupancy, regardless of how or when discovered.

Building Permit Fees*

Please refer to fee schedule

Fees due upon application	
Amount received	
Date received	

Sub-contractor information can be faxed to 503-823-7693.

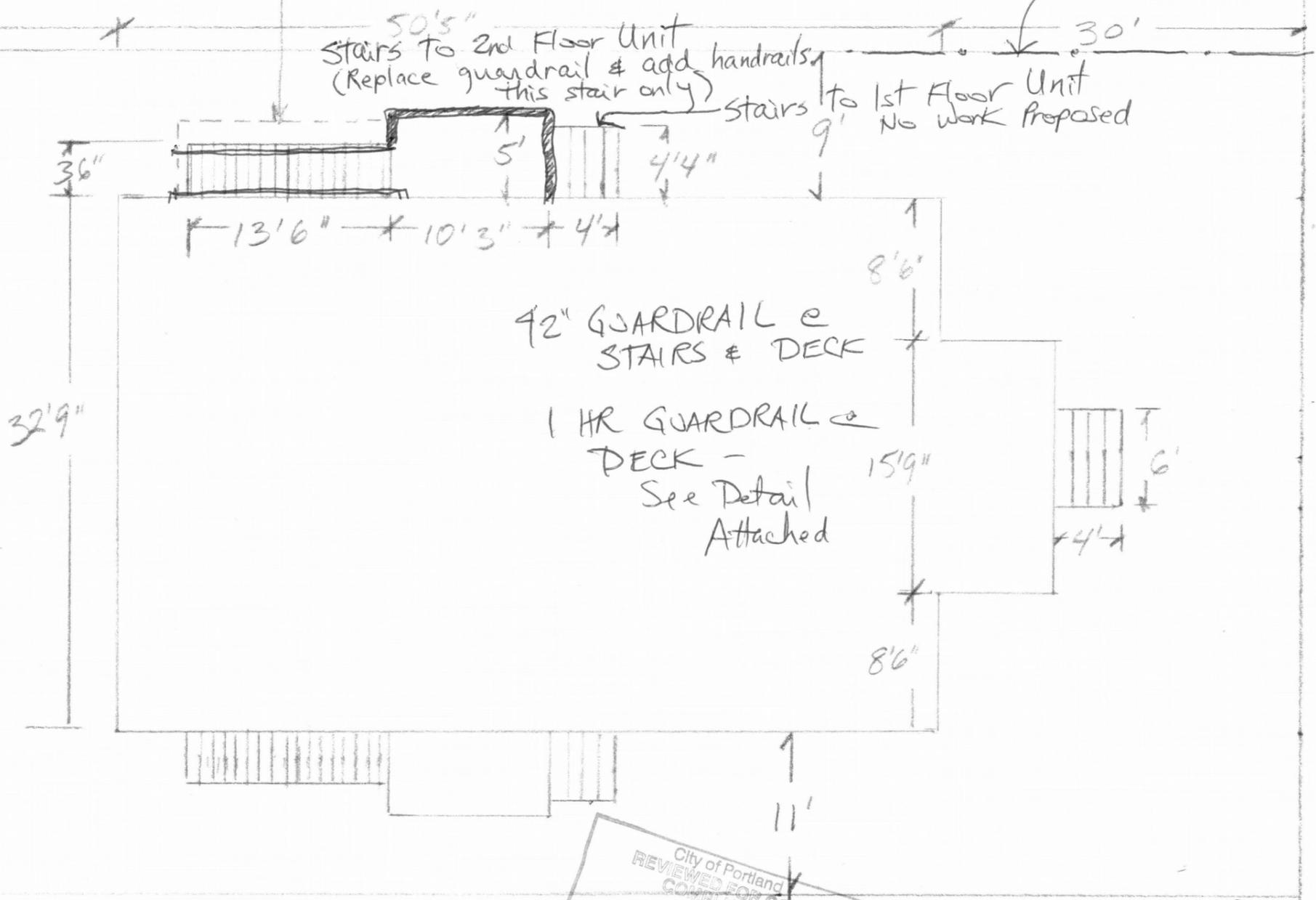
2

PURPOSED AREA
GUARD RAIL AND
HANDRAIL
REPAIR ON
EXISTING
STAIRCASE

Property
Line

50'5"
Stairs to 2nd Floor Unit
(Replace guardrail & add handrails
this stair only)

Stairs to 1st Floor Unit
No work Proposed



42" GUARDRAIL @
STAIRS & DECK

1 HR GUARDRAIL @
DECK -
See Detail
Attached

City of Portland
REVIEWED FOR CODE
COMPLIANCE
JUN 10 2012
Permit Number

Occupancy: R2
Construction Type: V-B
4 PLR - 2 STORY

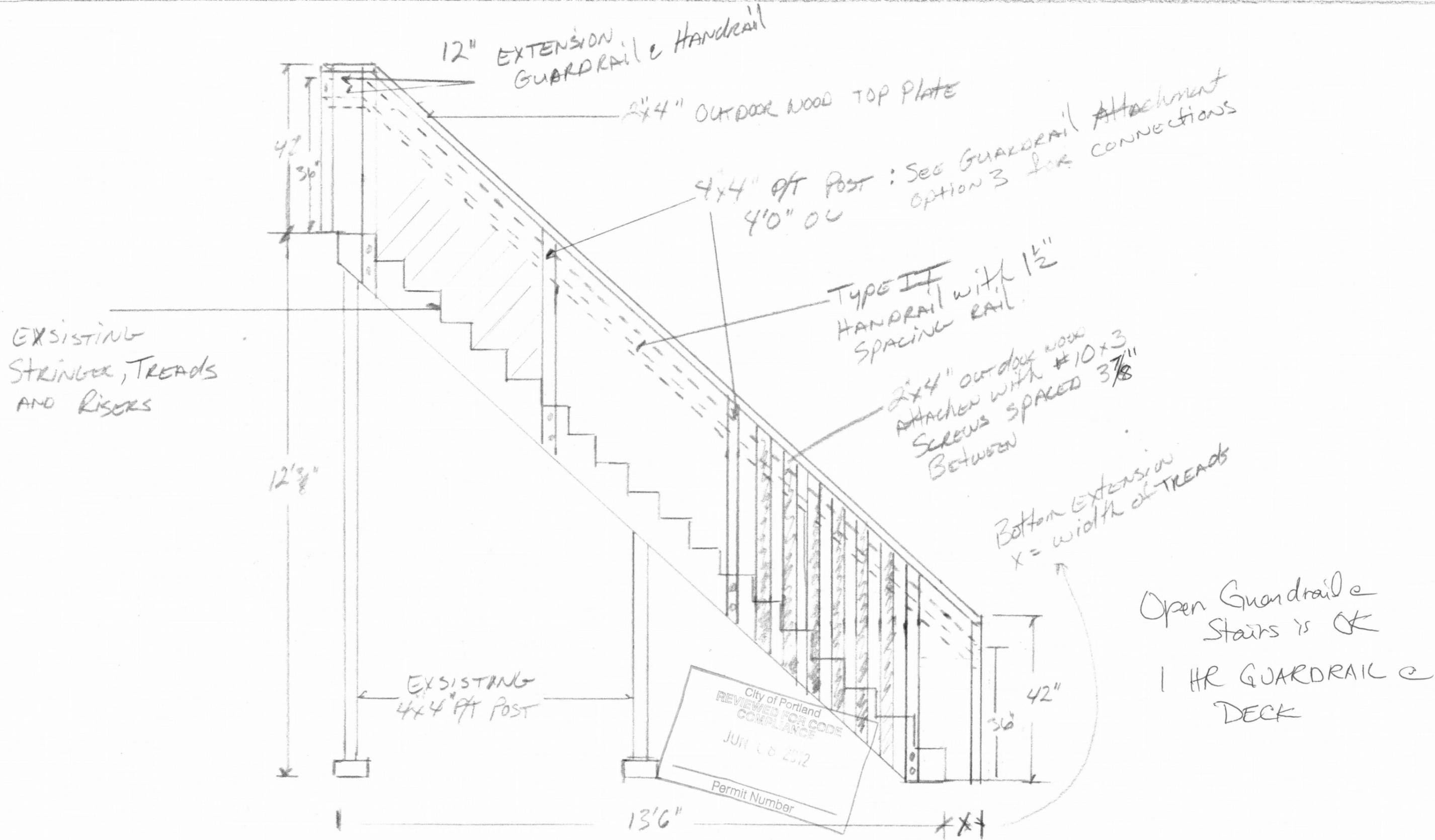
ALBINA AVE

12-147456-00

Site Plan:
GUARDRAIL & HANDRAIL

3954 NE ALBINA AVE

SCALE 1/8" = 1'0"



Open Guardrail & Stairs is OK
1 HR GUARDRAIL @ DECK

Southside Guardrail & Handrails

3954 NE ALBINA AVE

SCALE 1/2" = 1'0"

NEW GUARRAIL 42" HIGH

Open Rail OK

1/2" SPACING RAIL

Continuous Type II HANDRAIL

EXISTING STAIRS TRENDS & RISERS

TOP TREAD

Bottom Tread

← Stairs →

1x4 Attachment

1 1/2" CLEARANCE

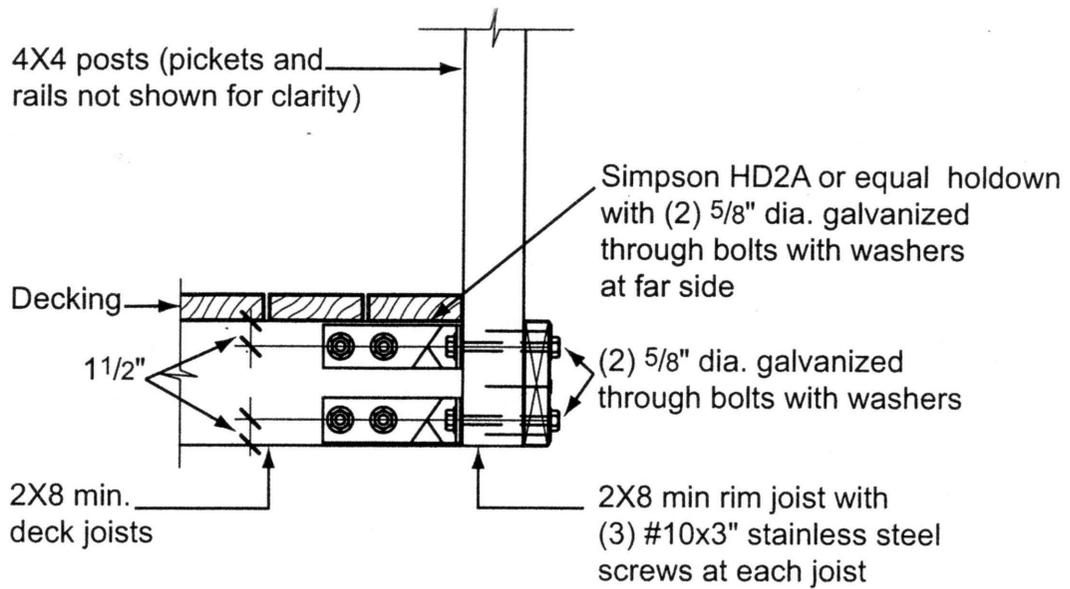
WALL

Continuous Type I Handrail Retailed to wall with extensions PAST TOP AND BOTTOM STEPS

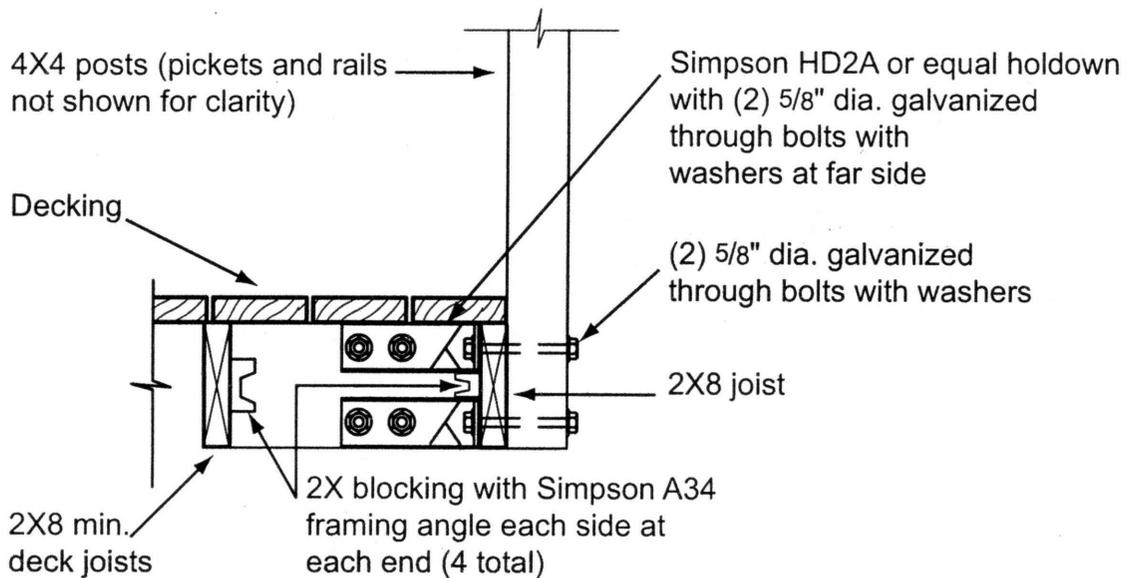
Exterior Wall of Bldg

City of Portland
REVIEWED FOR CODE COMPLIANCE
JUN 16 2012
Permit Number

Scale 1" = 1'0"



▲ Fig. 26: Guardrail attachment option 2 - Deck joists perpendicular, rim joist on outside, manufactured connectors



▲ Fig. 27: Guardrail attachment option 3 - Deck joists parallel, post on outside, manufactured connectors

