

Location of Construction: 54 Warren Ave		Owner: Sal Raia		Phone: 773-9826		Permit No: <b>001296</b>	
Owner Address: SAA		Lessee/Buyer's Name: Robert Menard		Phone:		BusinessName:	
Contractor Name: SAA		Address:		Phone:		Permit Issued: NOV 14 2000	
Past Use:  vacant		Proposed Use:  Custom Blacksmith Shop  <i>low manufg use</i>		COST OF WORK: \$ 200.00		PERMIT FEE: \$ 30.00	
				FIRE DEPT. <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied		INSPECTION: Use Group <i>1</i> / F Type: <i>00C494</i>	
Proposed Project Description:  change of use from vacant to blacksmith shop will be installing a smoke stack to side of building. Has brought site plan exemption down stairs and will submit drawing fro stack Has already paid for permit.				Signature: <i>U Jim</i>		Signature: <i>[Signature]</i>	
				PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)		Zone: <i>4</i> CBL: 293-A-017	
				Action: Approved <input type="checkbox"/> Approved with Conditions: <input type="checkbox"/> Denied <input type="checkbox"/>		Zoning Approval: <i>OK with</i> Special Zone or Reviews: <input type="checkbox"/> Shoreland <i>computers</i> <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <i>11/8/00</i> <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan maj <input type="checkbox"/> minor <input type="checkbox"/> mm <input type="checkbox"/>	
Permit Taken By:  K		Date Applied For:  Oct 31 2000					

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal rules.
2. Building permits do not include plumbing, septic or electrical work.
3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

\*\*\* Robert Menard 878-2217

**PERMIT ISSUED WITH REQUIREMENTS**

**CERTIFICATION**

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit

Oct 31 2000 K

SIGNATURE OF APPLICANT ADDRESS: DATE: PHONE:

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE PHONE:

**Zoning Appeal**

Variance  
 Miscellaneous  
 Conditional Use  
 Interpretation  
 Approved  
 Denied

**Historic Preservation**

Not in District or Landmark  
 Does Not Require Review  
 Requires Review

**Action:**

Approved  
 Approved with Conditions  
 Denied

Date: *[Signature]*

**PERMIT ISSUED WITH REQUIREMENTS CEO DISTRICT**

1

COMMENTS

11-21-2K: Spoke w/ Bob Menard & requested plan of Stack be provided to go w/ Bldg Permit File of KW.

12-29-2K: Checked Stack - ? Height above roof referred to Lt. MacDougal All else appear to be ~~OK~~ ~~OK~~ Except that plan shows Stack 3' from Bldg. Act. Measurement = 2' from Bldg. SKW.

Inspection Record

Type	Date
Foundation: _____	_____
Framing: _____	_____
Plumbing: _____	_____
Final: _____	_____
Other: _____	_____

BUILDING PERMIT REPORT

DATE: NOV. 2000 ADDRESS: 54 Warren Ave. CBL: 293-A-012

REASON FOR PERMIT: Blacksmith shop - Stack -

BUILDING OWNER: Sal Raia

PERMIT APPLICANT: CONTRACTOR SAA

USE GROUP: M CONSTRUCTION TYPE: \_\_\_\_\_ CONSTRUCTION COST: 200.00 PERMIT FEES: 30.00

The City's Adopted Building Code (The BOCA National Building Code/1999 with City Amendments)  
The City's Adopted Mechanical Code (The BOCA National Mechanical Code/1993)

CONDITION(S) OF APPROVAL

This permit is being issued with the understanding that the following conditions shall be met: \*1, \*2, \*9, \*11, \*13, \*20, \*23, \*24, \*37, \*31

- 1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
- 2. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection) **"ALL LOT LINES SHALL BE CLEARLY MARKED BEFORE CALLING."**
- 3. Foundation drain shall be placed around the perimeter of a foundation that consists of gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve. The drain shall extend a minimum of 12 inches beyond the outside edge of the footing. The thickness shall be such that the bottom of the drain is not higher than the bottom of the base under the floor, and that the top of the drain is not less than 6 inches above the top of the footing. The top of the drain shall be covered with an approved filter membrane material. Where a drain tile or perforated pipe is used, the invert of the pipe or tile shall not be higher than the floor elevation. The top of joints or top of perforations shall be protected with an approved filter membrane material. The pipe or tile shall be placed on not less than 2" of gravel or crushed stone, and shall be covered with not less than 6" of the same material. Section 1813.5.2
- 4. Foundations anchors shall be a minimum of 1/2" in diameter, 7" into the foundation wall, minimum of 12" from corners of foundation and a maximum 6' O.C. between bolts. Section 2305.17
- 5. Waterproofing and dampproofing shall be done in accordance with Section 1813.0 of the building code.
- 6. Precaution must be taken to protect concrete from freezing. Section 1908.0
- 7. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
- 8. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of 1/2 inch gypsum board or the equivalent applied to the garage side. (Chapter 4, Section 407.0 of the BOCA/1999)
- 9. All chimneys and vents shall be installed and maintained as per Chapter 12 of the City's Mechanical Code. (The BOCA National Mechanical Code/1993). Chapter 12 & NFPA 211
- 10. Sound transmission control in residential building shall be done in accordance with Chapter 12, Section 1214.0 of the City's Building Code.
- 11. Guardrails & Handrails: A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42". In occupancies in Use Group A, B, H-4, I-1, I-2, M, R, public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect. Handrails shall be a minimum of 34" but not more than 38". Exception: Handrails that form part of a guard shall have a height not less than 36 inches (914 mm) and not more than 42 inches (1067 mm). Handrail grip size shall have a circular cross section with an outside diameter of at least 1 1/4" and not greater than 2". (Sections 1021 & 1022.0). Handrails shall be on both sides of stairway. (Section 1014.7)
- 12. Headroom in habitable space is a minimum of 7'6". (Section 1204.0)
- 13. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 1/2" maximum rise. All other Use Group minimum 11" tread, 7" maximum rise. (Section 1014.0)
- 14. The minimum headroom in all parts of a stairway shall not be less than 80 inches. (6'8") 1014.4
- 15. Every sleeping room below the fourth story in buildings of Use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508mm), and a minimum net clear opening of 5.7 sq. ft. (Section 1010.4)
- 16. Each apartment shall have access to two (2) separate, remote and approved means of egress. A single exit is acceptable when it exits directly from the apartment to the building exterior with no communications to other apartment units. (Section 1010.1)
- 17. All vertical openings shall be enclosed with construction having a fire rating of at least one (1) hour, including fire doors with self closure's. (Over 3 stories in height requirements for fire rating is two (2) hours. (Section 710.0)
- 18. The boiler shall be protected by enclosing with (1) hour fire rated construction including fire doors and ceiling, or by providing automatic extinguishment. (Table 302.1.1)

19. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's Building Code Chapter 9, Section 920.3.2 (BOCA National Building Code/1999), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):

- In the immediate vicinity of bedrooms
- In all bedrooms
- In each story within a dwelling unit, including basements

20. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type. (Section 921.0)
21. The Fire Alarm System shall be installed and maintained to NFPA #72 Standard.
22. The Sprinkler System shall be installed and maintained to NFPA #13 Standard.
23. All exit signs, lights and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023.0 & 1024.0 of the City's Building Code. (The BOCA National Building Code/1999)
24. Section 25 - 135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".
25. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification the Division of Inspection Services.
26. Ventilation and access shall meet the requirements of Chapter 12 Sections 1210.0 and 1211.0 of the City's Building Code. (Crawl spaces & attics).
27. All electrical, plumbing and HVAC permits must be obtained by Master Licensed holders of their trade. No closing in of walls until all electrical (min. 72 hours notice) and plumbing inspections have been done.
28. All requirements must be met before a final Certificate of Occupancy is issued.
29. All building elements shall meet the fastening schedule as per Table 2305.2 of the City's Building Code (The BOCA National Building Code/1996).
30. Ventilation of spaces within a building shall be done in accordance with the City's Mechanical code (The BOCA National Mechanical Code/1993). (Chapter M-16)
31. Please read and implement the attached Land Use Zoning report requirements. *separate permits are required for New Signage*
32. Boring, cutting and notching shall be done in accordance with Sections 2305.3, 2305.3.1, 2305.4.4 and 2305.5.1 of the City's Building Code.
33. Bridging shall comply with Section 2305.16.
34. Glass and glazing shall meet the requirements of Chapter 24 of the building code. (Safety Glazing Section 2406.0)
35. All signage, shall be done in accordance with Section 3102.0 signs of the City's Building Code, (The BOCA National Building Code/1999).
36. All flashing shall comply with Section 1406.3.10.
37. *Before work on stack is started submit a detail of how the proposed chimney is constructed and secured - foundation hanger etc.*

Samuel Hedges, Building Inspector  
Cc: Lt. McDougall, PFD  
Marge Schmuckal, Zoning Administrator

PSH 10/1/00

\*\*This permit is herewith issued, on the basis of plans submitted and conditions placed on these plans, any deviations shall require a separate approval.

...THIS PERMIT HAS BEEN ISSUED WITH THE UNDERSTANDING THAT ALL THE CONDITIONS OF THE APPROVAL SHALL BE COMPLETED. THEREFORE, BEFORE THE WORK IS COMPLETED A REVISED PLAN OR STATEMENT FROM THE PERMIT HOLDER SHALL BE SUBMITTED TO THIS OFFICE SHOWING OR EXPLAINING THAT THE CONDITIONS HAVE BEEN MET. IF THIS REQUIREMENT IS NOT RECEIVED YOUR CERTIFICATE OF OCCUPANCY SHALL BE WITHHELD.

\*\*\*\*ALL PLANS THAT REQUIRE A PROFESSIONAL DESIGNER'S SEAL, (AS PER SECTION 114.0 OF THE BUILDING CODE) SHALL ALSO BE PRESENTED TO THIS DIVISION ON AUTO CAD LT. 2000, DXF FORMAT OR EQUIVALENT.

\*\*\*\*\*CERTIFICATE OF OCCUPANCY FEE \$50.00

**THIS IS NOT A PERMIT/CONSTRUCTION CANNOT COMMENCE UNTIL THE PERMIT IS ISSUED**

**Building or Use Permit Pre-Application  
Attached Single Family Dwellings/Two-Family Dwelling  
Multi-Family or Commercial Structures and Additions Thereto**

In the interest of processing your application in the quickest possible manner, please complete the information below for a Building or Use Permit.

**NOTE\*\*** If you or the property owner owes real estate or personal property taxes or user charges on ANY PROPERTY within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction (include Portion of Building): <b>54 Warren Ave</b>	
Total Square Footage of Proposed Structure <b>4500 Sq Ft</b>	Square Footage of Lot <b>78,284 Sq Ft</b>
Tax Assessor's Chart, Block & Lot Number Chart# <b>293</b> Block# <b>A</b> Lot# <b>017</b>	Owner: <b>Sal Raia</b> Telephone#: <b>773 9826</b>
Owner's Address: <b>54 Warren Ave Portland ME 04103</b>	Lessee/Buyer's Name (If Applicable): <b>Robert Menard Lessee 878 2217</b>
Proposed Project Description: (Please be as specific as possible) <b>Custom Blacksmith shop. (Stack going exemption) See: attached summary [Change of use only]</b>	Cost Of Work: <b>\$200<sup>00</sup></b> Fee: <b>\$430</b>
Contractor's Name, Address & Telephone: <b>N/A</b>	Rec'd By:
Current Use: <b>empty</b>	Proposed Use: <b>Custom Blacksmith Shop.</b>

Separate permits are required for Internal & External Plumbing, HVAC and Electrical installation.

- All construction must be conducted in compliance with the 1996 B.O.C.A. Building Code as amended by Section 6-Art II.
- All plumbing must be conducted in compliance with the State of Maine Plumbing Code.
- All Electrical Installation must comply with the 1996 National Electrical Code as amended by Section 6-Art III.
- HVAC (Heating, Ventilation and Air Conditioning) Installation must comply with the 1993 BOCA Mechanical Code.

You must include the following with your application:

- 1) A Copy of Your Deed or Purchase and Sale Agreement
- 2) A Copy of your Construction Contract, if available
- 3) A Plot Plan/Site Plan

**\* If Available also  
Submit Plans on  
ADSB or CAD Format**

Minor or Major site plan review will be required for the above proposed projects. The attached checklist outlines the minimum standards for a site plan.

- 4) Building Plans

Unless exempted by State Law, construction documents must be designed by a registered design professional.

A complete set of construction drawings showing all of the following elements of construction:

- Cross Sections w/Framing details (including porches, decks w/ railings, and accessory structures)
- Floor Plans & Elevations
- Window and door schedules
- Foundation plans with required drainage and dampproofing
- Electrical and plumbing layout. Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment (air handling) or other types of work that may require special review must be included.

**\* Note  
paid for  
stack**

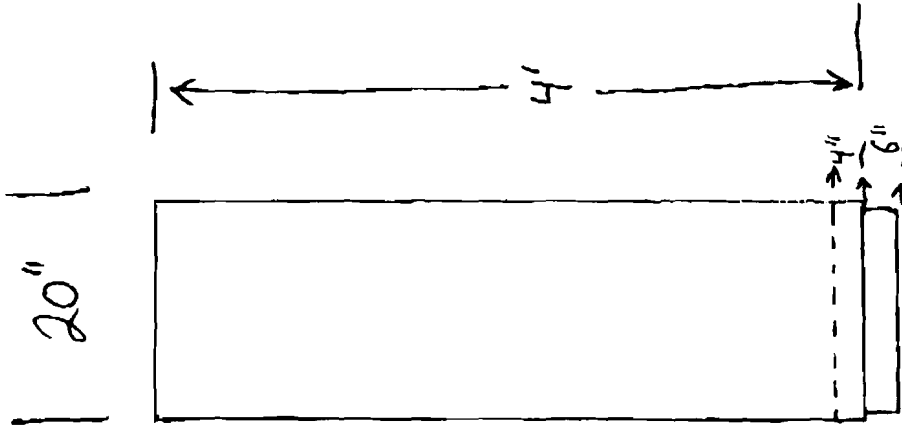
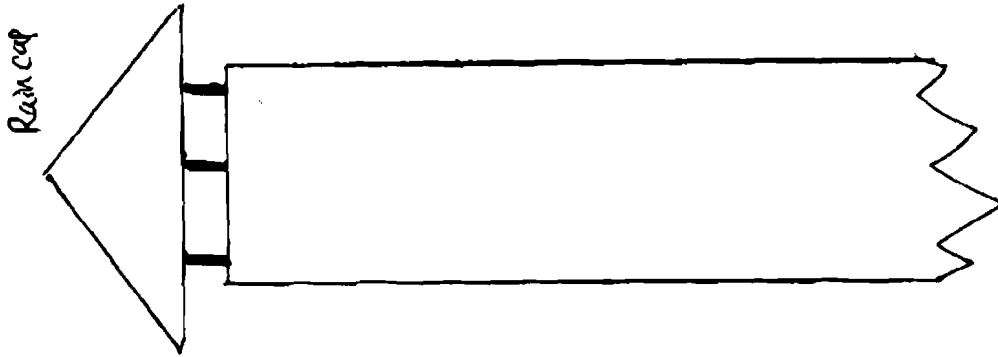
**Certification**

I hereby certify that I am the Owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: <b>Robert Menard</b>	Date: <b>10-13-00</b>
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Building Permit Fee: \$30.00 for the 1st \$1000.00 cost plus \$6.00 per \$1,000.00 construction cost thereafter.  
Additional Site review and related fees are attached on a separate addendum

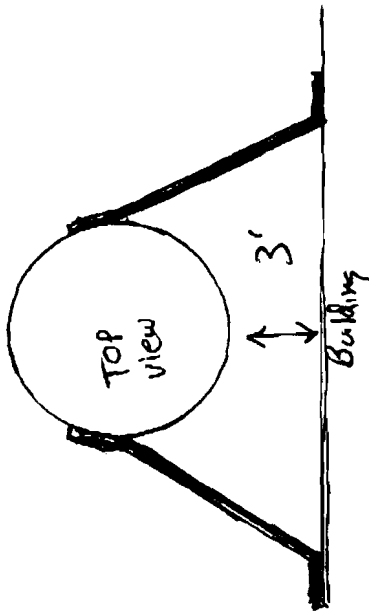
THE BALL CHAIN FORGE  
58 WARREN AVE



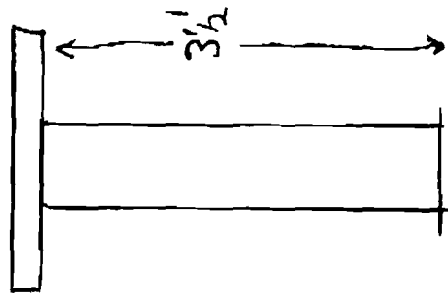
Stack will be 5 sections of  
rolled 16G steel, MIG welded  
with 10" welded sleeves. The  
sections will be stacked together  
and bolted with self-tapping  
screws

Allen Steve Wentworth

2-3 strand offs of 1"x1/4"  
steel flat bar will secure to building



Drill 3 holes in patio block  
and grout 1/2" rebar in place  
then insert rebar into concrete  
tube. patio block is at grade  
2'x2'x2" patio block



... is with hd. cement

**The Ball & Chain Forge  
Custom Blacksmith  
54 Warren Ave  
Portland, Mo. 04013**

10/12/00

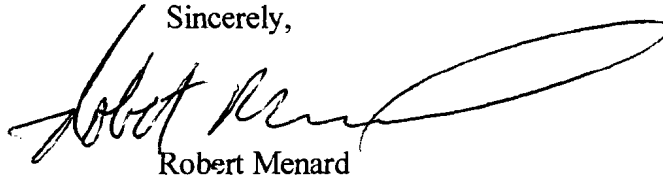
To whom it may concern,

I am starting a custom blacksmith shop at the Raia business complex on Warren Ave. The business includes forging iron using a coal forge, welding and fabrication, woodworking, jewelry and fine detail work.

My space encompasses 90% of the basement area. This space is 50% below grade. The walls floor and ceiling are stone and re-enforced concrete. The window frames are metal. All the windows on the Warren Ave side of the building on the second floor are fixed and not able to be opened. The space is protected by a sprinkler system and not subject to fire. The only building modification I need to make is to install a stack to vent my coal forge. This will be installed on the Warren Ave. side of the building and will extend above the roofline to enhance draft. I have spoken with Lt. McDougall regarding the nature and construction of this stack.

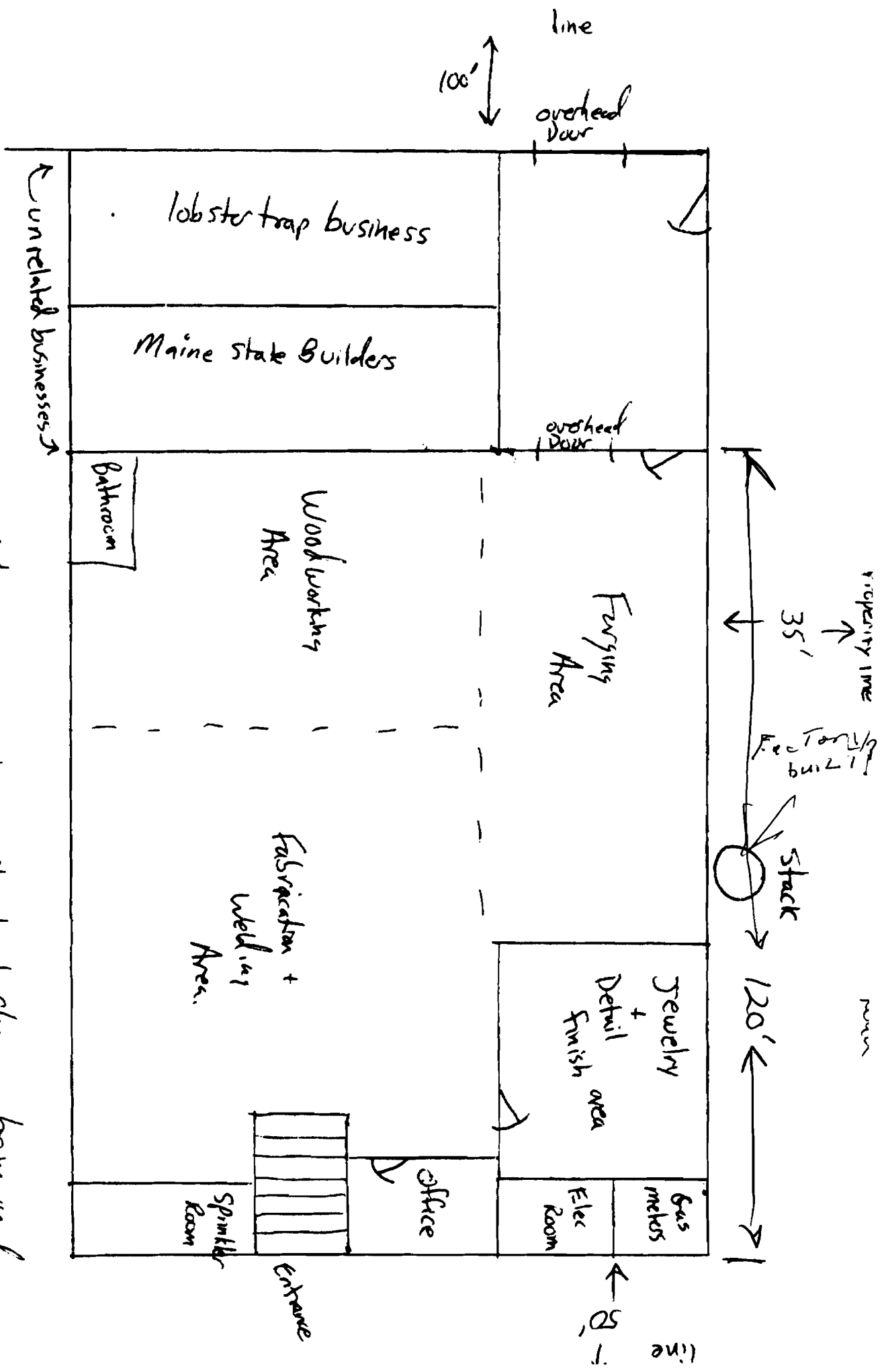
I have enclosed a floor plan of the space with my projected shop lay out.

Sincerely,



Robert Menard

The stack being built will be 3' from building exterior. It will be constructed of 16 G metal, 22" in dia, 20' high

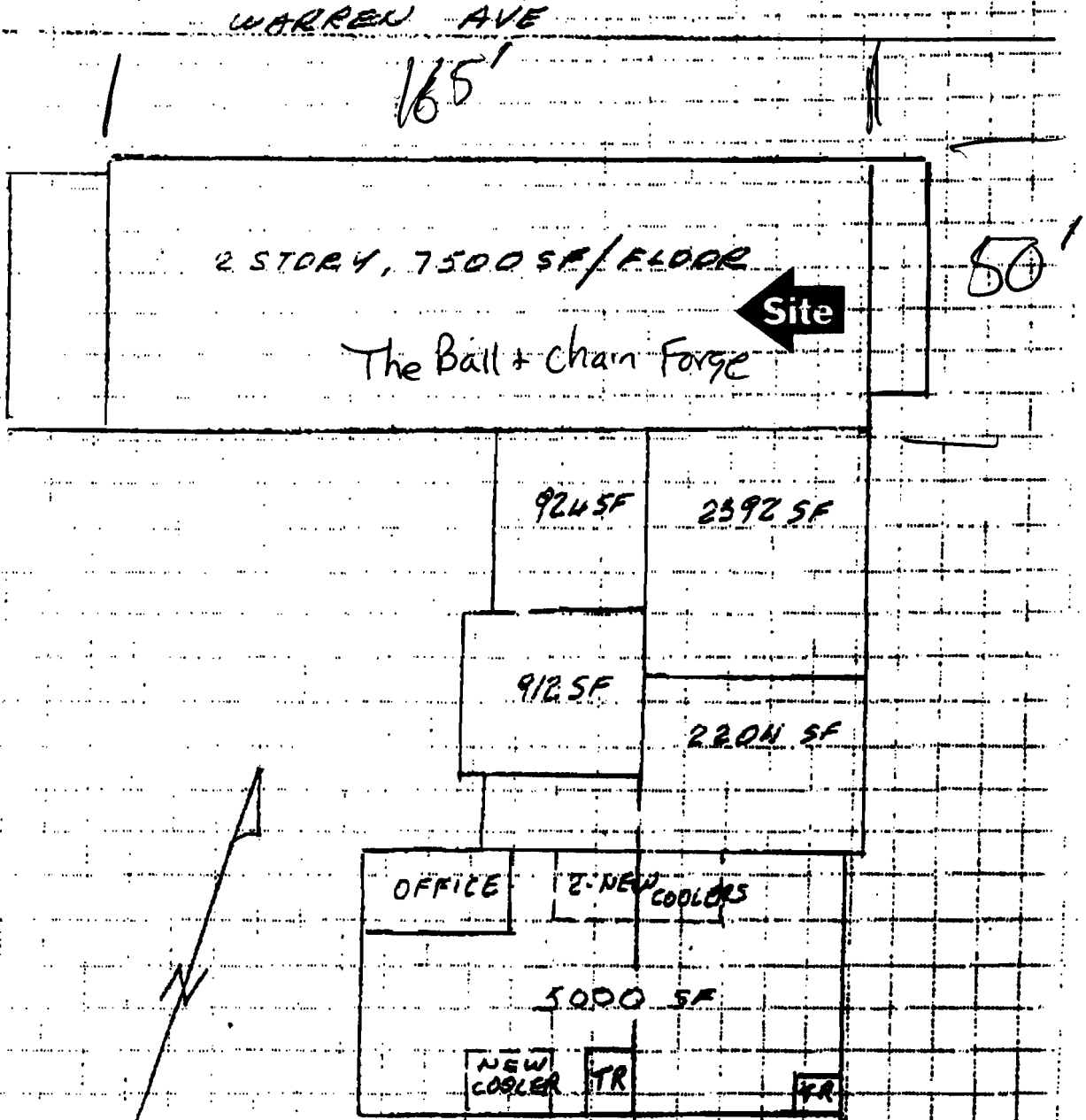


There is no interior structural changes being made



**SCRIBNER & IVERSON, INC.**  
 Plumbing & Heating Contractors  
 54 Warren Avenue P.O. Box 8779  
 PORTLAND, MAINE 04104  
 (207) 797-9441  
 FAX: (207) 878-2250

SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_  
 CALCULATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
**PROPOSED MODIFICATION**



Post-It™ brand fax transmittal memo 7671 # of pages 4

To	ANDREW	From	SAL
Co.		Co.	
Dept.		Phone #	
Fax #		Fax #	

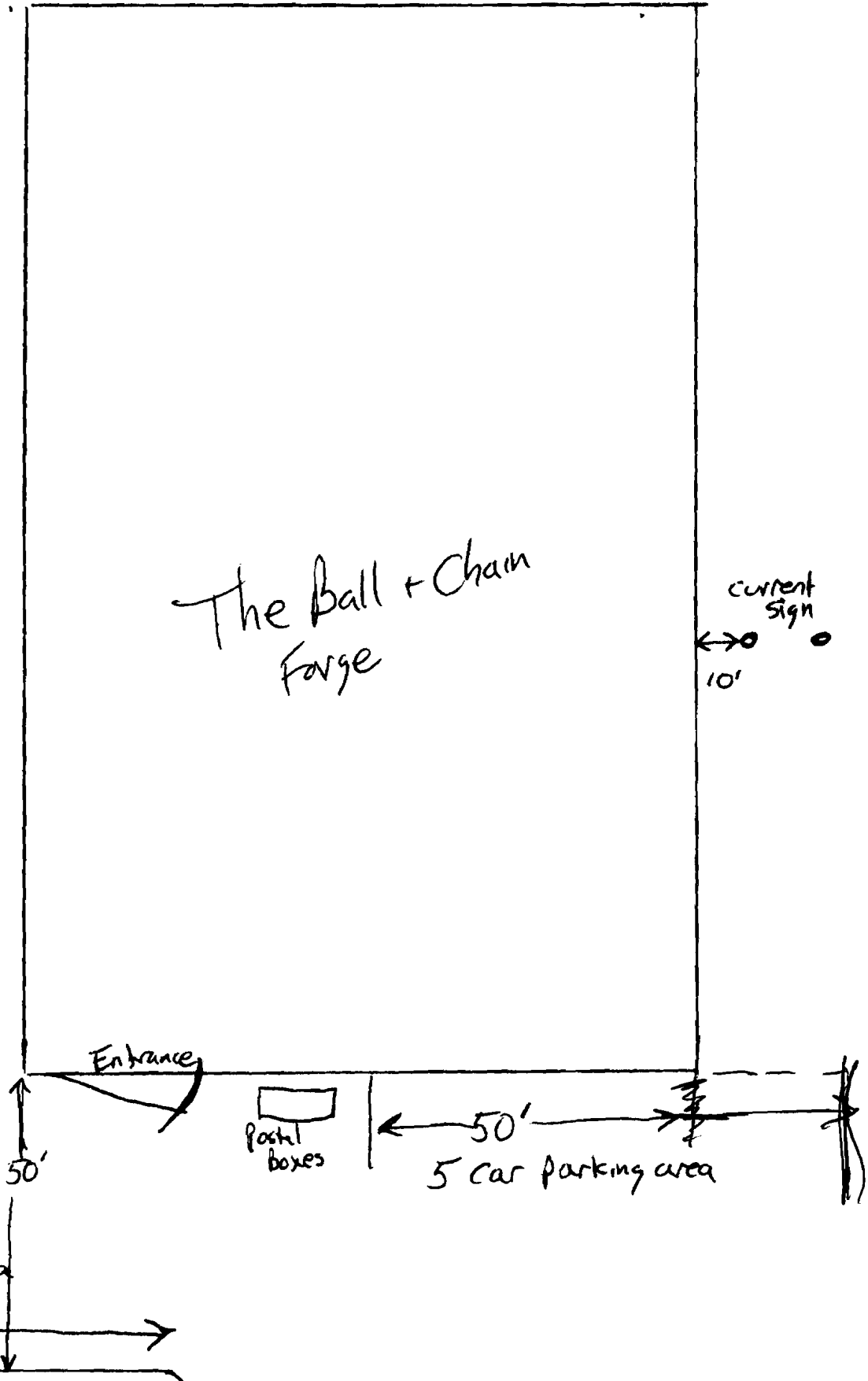
Customers will rarely stop at shop.  
most work is wholesale and job  
Site oriented

Parking plan  
Drawing not to scale

The Ball + Chain  
Forge

current  
sign  
10'

Warren Ave.



4 car parking area  
40'

postal  
boxes

50'  
5 car parking area

**The Ball & Chain Forge  
Custom Blacksmith  
54 Warren Ave  
Portland, Me. 04013**

10/12/00

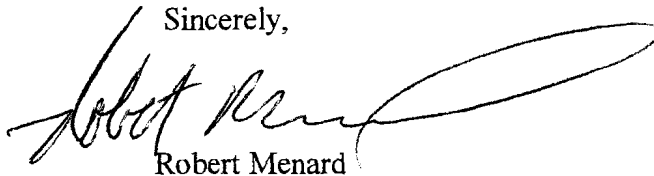
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rain cap

Fixed windows on 2nd floor

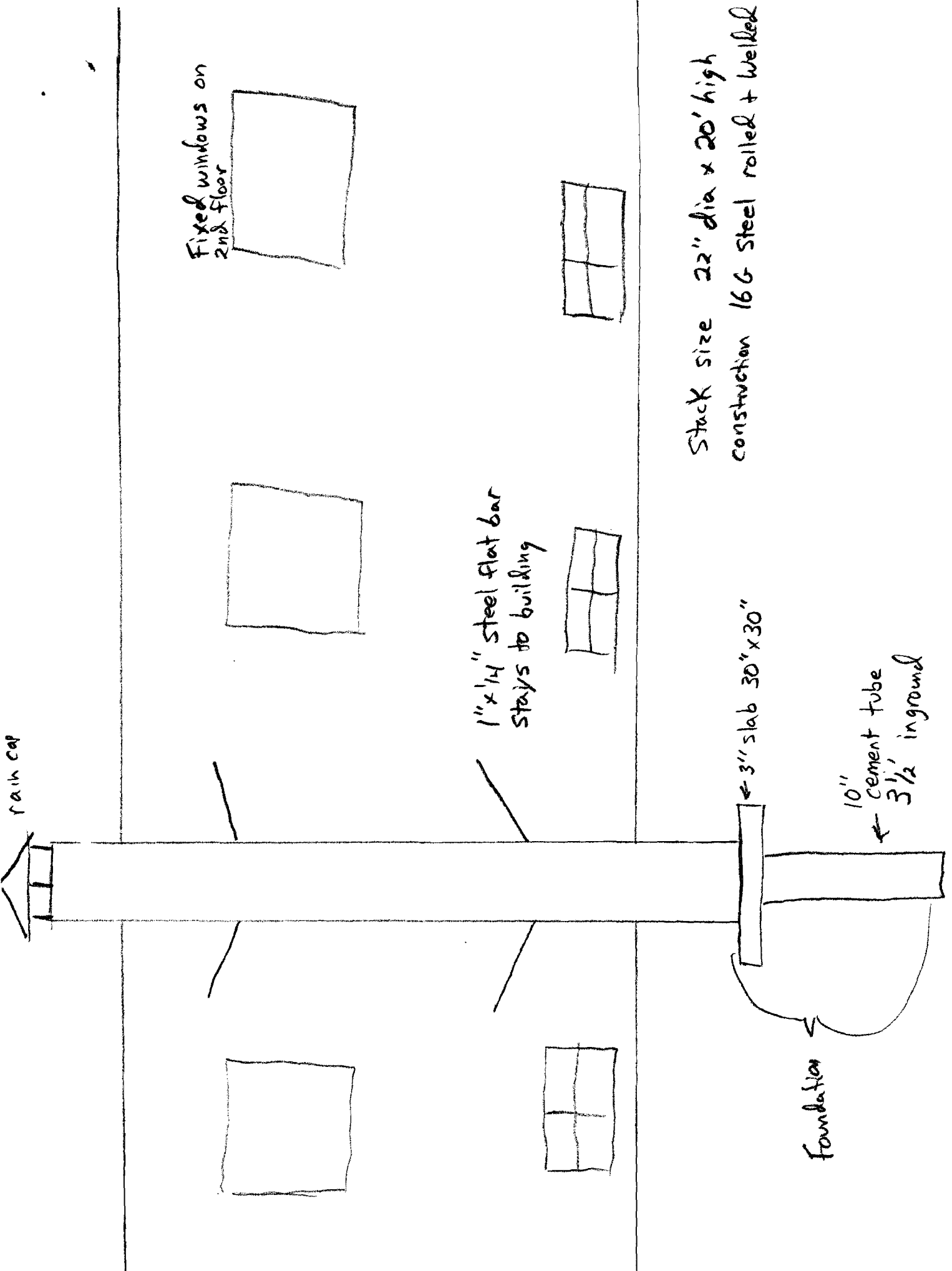
1" x 1/4" steel flat bar stays to building

Stack size 22" dia x 20' high  
construction 16G Steel rolled + welded

3" slab 30" x 30"

10" cement tube  
3 1/2' inground

Foundation





**CITY OF PORTLAND, MAINE**  
Department of Building Inspection

\_\_\_\_\_ 10/31/20 \_\_\_\_\_

Received from Robert Menard a fee

of Henry /100 Dollars \$ 30.00

for permit to alter Change of use

at 54 Warren Ave Est. Cost \$ —

1344

10

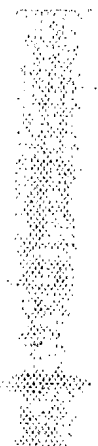
Inspector of buildings

Per \_\_\_\_\_

**THIS IS NOT A PERMIT**

No work is to be started until PERMIT CARD is actually posted upon the premises. Acceptance of fee is no guarantee that permit will be granted. PRESERVE THIS RECEIPT. In case permit cannot be granted the amount of the fee will be refunded upon return of the receipt less \$5.00 or 10% whichever is greater.

WHITE - Applicant's Copy  
YELLOW - Office Copy  
PINK - Auditors Copy



Paid Stack per 10/31/00 (P)

APPLICATION FOR EXEMPTION FROM SITE PLAN REVIEW

293-A-017

Robert Menard

10-31-00

Applicant  
50 Jackson St

Applicant's Mailing Address  
878 2217

Consultant/Agent/Phone Number

Application Date  
Vent Stack for blacksmith shop

Project Name/Description  
56 Warren Ave

Address of Proposed Site

Description of Proposed Development:  
Size of vented fire is smaller than home coal stove.  
Ventilation stack to vent coal forge for custom blacksmith shop.  
Stack is 22" in dia. and 20' high, all construction is outside of building

Please Attach Sketch/Plan of Proposal/Development

Criteria for Exemptions:

See Section 14-523 (4)

a) Within Existing Structures; No New Buildings, Demolitions or Additions

b) Footprint Increase Less Than 500 Sq. Ft.

c) No New Curb Cuts, Driveways, Parking Areas

d) Curbs and Sidewalks in Sound Condition/ Comply with ADA

e) No Additional Parking / No Traffic Increase

f) No Stormwater Problems

g) Sufficient Property Screening

h) Adequate Utilities

Applicant's Assessment (Yes, No, N/A)	Planning Office Use Only
yes	<input checked="" type="checkbox"/>
yes	<input checked="" type="checkbox"/>
yes	<input checked="" type="checkbox"/>
yes	<input checked="" type="checkbox"/>
yes	<input checked="" type="checkbox"/>
N/A	<input checked="" type="checkbox"/>
yes	<input checked="" type="checkbox"/>
yes	<input checked="" type="checkbox"/>

Planning Office Use Only:

Exemption Granted  Partial Exemption  Exemption Denied