

**City of Portland, Maine – Building or Use Permit Application** 389 Congress Street, 04101, Tel: (207) 874-8703, FAX: 874-8716

Location of Construction: 20 Alice St Alice St (Lot #9)		Owner: Bosque, Peter		Phone: 1-800-448-0777 cell 756-9230		Permit No: 980123	
Owner Address: P.O. Box 337/43 Cottage Ave		Lessee/Buyer's Name: Wicomb, ME 04062		Phone: 893-1200		BusinessName:	
Contractor Name: SAA		Address:		Phone:		<div style="border: 2px solid black; padding: 5px; text-align: center;"> <b>PERMIT ISSUED</b>                  Permit Issued:  <b>FEB 20 1998</b>  <b>CITY OF PORTLAND</b> </div>	
Past Use: Vacant Land		Proposed Use: 1-1/2 story dwelling		<b>COST OF WORK:</b> \$ 92,000.00 <b>PERMIT FEE:</b> \$ 480.00			
Proposed Project Description:  Construct Single Family Dwelling w/attached 2-car garage Doghouse/Bulkhead in rear		<b>FIRE DEPT.</b> <input type="checkbox"/> Approved <input type="checkbox"/> Denied  Signature:		<b>INSPECTION:</b> Use Group R3 Type 50 Signature: [Signature]		Zone: CBL: 387-A-039	
						Zoning Approval:	
Permit Taken By: Mary Gresik		Date Applied For: 29 January 1998		<b>PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)</b> Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved with Conditions <input type="checkbox"/> Denied  Signature: Date:		<b>Special Zone or Reviews:</b> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan maj <input type="checkbox"/> minor <input type="checkbox"/> mm	

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..

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

SIGNATURE OF APPLICANT: Peter Bosque ADDRESS: DATE: 29 January 1998 PHONE:

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE PHONE:

White-Permit Desk Green-Assessor's Canary-D.P.W. Pink-Public File Ivory Card-Inspector

CEO DISTRICT 7

COMMENTS

2/24/98 - Visited Site Reviewed plans w/ Peter / Filled in "Blanks"  
on Plans - We Need Eng. Specs on Roof Trusses - Will Be working  
Foundation Fri 2/27 - (R) Note: Recd Truss Plans VIA FAX 2/24/98 1<sup>43</sup> PRO (D)

10/27/98 Stayed in house today

3/2/98 OK for Backup - Fresh Air not finished

3/4/98 OK to backfill

3/18/98 - Problem w/ meeting Stair Requirements - Met on sight - 1st to 2nd -  
advised builder to consult w/ architect - "will have to meet requirements" (R)

4/14/98 - Rough Plumbing ok - Rough Framing ok - (will meet  
Stair Req) ok to Close

5/22/98 Call for Final - Blg / Plumb / Elec -

① Needs Exit Stairs -

② Needs Proper pylon piz under Sunk (R)

5/28/98 - Above Corrected / Waiting for J. Wendell (R)

5/29/98 - Send Perm. Copy (Wendell letter attached)  
Single Family Dwelling w/ attached Garage - No decks -

FAX copy of  
Copy to: Busquine  
Peter Busquine  
774-0963

Inspection Record

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



CITY OF PORTLAND, MAINE  
Department of Building Inspection

# Certificate of Occupancy

LOCATION 20 Alice St (Lot #9) 387-A-039

Date of Issue 29 May 1998

Issued to Peter Bosque

This is to certify that the building, premises, or part thereof, at the above location, built — altered — changed as to use under Building Permit No. 980123, has had final inspection, has been found to conform substantially to requirements of Zoning Ordinance and Building Code of the City, and is hereby approved for occupancy or use, limited or otherwise, as indicated below.

PORTION OF BUILDING OR PREMISES

APPROVED OCCUPANCY

Entire

Single Family Dwelling  
w/attached garage  
no deck

Limiting Conditions:

This certificate supersedes  
certificate issued

Approved:

(Date)

Inspector

Inspector of Buildings

Notice: This certificate identifies lawful use of building or premises, and ought to be transferred from owner to owner when property changes hands. Copy will be furnished to owner or lessee for one dollar.

**MEMORANDUM**

**TO:** Code Enforcement  
Kandi Talbot, Planner

**FROM:** Jim Wendel, Development Review Coordinator

**DATE:** May 28,1998

**RE:** Request for Certificate of Occupancy  
20 Alice Street

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On May 27, 1998 a site visit was made to review the conformance of the site improvements with the approval dated 2/5/98; my comments are:

It is my opinion that all of the conditions of the site plan approval have been satisfactorily completed and a **permanent certificate of occupancy** could be issued assuming code enforcement has no outstanding issues.

1350.10disk5/20alice.doc

# BUILDING PERMIT REPORT

DATE: 19/Feb/98 ADDRESS: 20 ALICE ST. (W129) 387-A-Ø39  
REASON FOR PERMIT: Single Family dwelling/2 car garage R-3  
BUILDING OWNER: Peter Busgale  
CONTRACTOR: SAA  
PERMIT APPLICANT: SAA  
USE GROUP R-3 BOCA 1996 CONSTRUCTION TYPE 5B

## CONDITION(S) OF APPROVAL

This Permit is being issued with the understanding that the following conditions are met:

Approved with the following conditions: \*1, \*2, \*3, \*5, \*6, \*9, \*10, \*11, \*12, \*16, \*24, \*25, \*26, \*27, \*29, \*30, \*31, \*32, \*33, \*34, \*35

- \*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)
- \*3. Precaution must be taken to protect concrete from freezing.
4. 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.
- \*5. 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 ½ inch gypsum board or the equivalent applied to the garage means of ½ inch gypsum board or the equivalent applied to the garage side. (Chapter 4 Section 407.0 of the BOCA/1996)
- \*6. 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).
7. Sound transmission control in residential building shall be done in accordance with Chapter 12 section 1214.0 of the city's building code.
- \*8. 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" , except Use Group R which is 36". In occupancies in Use Group A, B, H-4, I-1, I-2 M and R and 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". Use Group R-3 shall not be less than 30", but not more than 38".) Handrail grip size shall have a circular cross section with an outside diameter of at least 1 1/4" and not greater than 2".
- \*9. Headroom in habitable space is a minimum of 7'6".
- \*10. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 3/4" maximum rise. All other Use group minimum 11" tread. 7" maximum rise.
- \*11. The minimum headroom in all parts of a stairway shall not be less than 80 inches. (6' 8")
- \*12. 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.
13. 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.
14. All vertical openings shall be enclosed with construction having a fire rating of at least one (1)hour, including fire doors with self closer's. (Over 3 stories in height requirements for fire rating is two (2) hours.)
15. The boiler shall be protected by enclosing with (1) hour fire-rated construction including fire doors and ceiling, or by providing automatic extinguishment.
- \*16. 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 19, 920.3.2 (BOCA National Building Code/1996), 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

In addition to the required AC primary power source, required smoke detectors in occupancies in Use Groups R-2, R-3 and I-1 shall receive power from a battery when the AC primary power source is interrupted. (Interconnection is required)

17. 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.
18. The Fire Alarm System shall be maintained to NFPA #72 Standard.
19. The Sprinkler System shall maintained to NFPA #13 Standard.
20. All exit signs, lights, and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023. & 1024. Of the City's building code. (The BOCA National Building Code/1996)
21. 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".
22. 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 to the Division of Inspection Services.
23. Ventilation shall meet the requirements of Chapter 12 Sections 1210. Of the City's Building Code.
- \*24. All electrical, plumbing and HVAC permits must be obtained by a Master Licensed holders of their trade.
- \*25. All requirements must be met before a final Certificate of Occupancy is issued.
- \*26. 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).
- \*27. Ventilation of spaces within a building shall be done in accordance with the City's Mechanical Code (The BOCA National Mechanical Code/1993).
28. Please read and implement the attached Land Use-Zoning report requirements.
- \*29. Please read and implement attached development review requirements.
- \*30. Glass & glazing shall be done in accordance with chapter 240 of the City's building code.
- \*31. Water proofing & damp proofing shall be done in accordance with section 1813.0 of the building code
- \*32. Proposed Pre-Engineered Trusses - Submit design data before construction.
33. Asphalt shingles shall meet the requirements of section 1507.4.3.
- \*34. Anchor bolts as per section 2305.17.
- \*35. Fireplaces and chimney flues shall be done in accordance with section 2113.0 of the building code and chapter 1404 of the mechanical code.



P. Samuel Hoffses, Code Enforcement

cc: Lt. McDougall, PFD  
Marge Schmuckal

**CITY OF PORTLAND, MAINE  
DEVELOPMENT REVIEW APPLICATION  
PLANNING DEPARTMENT PROCESSING FORM  
ADDENDUM**

19980006  
I. D. Number

**Busque, Peter - Withdrawn**

Applicant

P.O. Box 337 - 43 Cottage Ave, Windham, ME 04062

Applicant's Mailing Address

**Peter Busque**

Consultant/Agent

893-1200

892-7758

Applicant or Agent Daytime Telephone, Fax

1/29/98

Application Date

**Alice St - Lot #9**

Project Name/Description

**20 Alice St**

Address of Proposed Site

**387-A-039**

Assessor's Reference: Chart-Block-Lot

**DRC Conditions of Approval**

Approved subject to Site Plan Review (Addendum) Conditions of Approval:

All damage to sidewalk, curb, street, or public utilities shall be repaired to City of Portland standards prior to issuance of a Certificate of Occupancy.

Two (2) City of Portland approved species and size trees must be planted on your street frontage prior to issuance of a Certificate of Occupancy.

Your new street address is now 20 Alice Street

, the number must be displayed on the street frontage of your house prior to issuance of a Certificate of Occupancy.

The Development Review Coordinator (874-8300 ext.8722) must be notified five (5) working days

prior to date required for final site inspection. Please make allowances for completion of site plan requirements determined to be incomplete or defective during the inspection. This is essential as all site plan requirements must be completed and approved by the Development Review Coordinator prior to issuance of a Certificate of Occupancy. Please schedule any property closing with these requirements in mind.

Show all utility connections: water, sanitary, sewer, storm drain, electric, telephone, cable.

A sewer permit is required for your project. Please contact Carol Merritt at 874-8300, ext. 8828. The Wastewater and Drainage section of Public Works must be notified five (5) working days prior to sewer connection to schedule an inspector for your site.

As-built record information for sewer and stormwater service connections must be submitted to Public Works Engineering Section (55 Portland Street) and approved prior to issuance of a Certificate of Occupancy.

The site contractor shall establish finish grades at the foundation, bulkhead and basement windows to be in conformance with the first floor elevation (FFE) and sill elevation (SE) set by the building contractor to provide for positive drainage away from entire footprint of building.

A drainage plan shall be submitted to and approved by Development Review Coordinator showing first floor elevation (FFE), sill elevation (SE), finish street/curb elevation, lot grading, existing and proposed contours, drainage patterns and paths, drainage swales, grades at or near abutting property lines, erosion control devices and locations and outlets for drainage from the property.

The Development Review Coordinator reserves the right to require additional lot grading or other drainage improvements as necessary due to field conditions.

Eroded soil shall be contained on-site. Hope and Alice Street shall be swept clean from tracked soil from vehicles. silt fence shall be located along the property line with lot 7.

**Planning Conditions of Approval**

**Inspections Conditions of Approval**

1. Separate permits shall be required for future decks, sheds, pool, and/or garage.

**Fire Conditions of Approval**

CITY OF PORTLAND, MAINE  
DEVELOPMENT REVIEW APPLICATION  
PLANNING DEPARTMENT PROCESSING FORM

19980006

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1/29/98

Applicant

Application Date

P.O. Box 337 - 43 Cottage Ave, Windham, ME 04062

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Applicant's Mailing Address

Project Name/Description

Peter Busque

20 Alice St

Consultant/Agent

Address of Proposed Site

893-1200

892-7758

387-A-039

Applicant or Agent Daytime Telephone, Fax

Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply):

New Building  Building Addition  Change Of Use  Residential

Office  Retail  Manufacturing  Warehouse/Distribution  Parking Lot  Other (specify) \_\_\_\_\_

26 x 38

13,135 Sq Ft

R-2

Proposed Building square Feet or # of Units

Acreeage of Site

Zoning

Check Review Required:

- Site Plan (major/minor)  Subdivision # of lots \_\_\_\_\_  PAD Review  14-403 Streets Review
- Flood Hazard  Shoreland  Historic Preservation  DEP Local Certification
- Zoning Conditional Use (ZBA/PB)  Zoning Variance  Other \_\_\_\_\_

Fees Paid: Site Plan \$50.00 Subdivision \_\_\_\_\_ Engineer Review \$100.00 Date: 1/29/98

Inspections Approval Status:

Reviewer Marge Schmuckal

- Approved  Approved w/Conditions see attached  Denied

Approval Date 2/18/98 Approval Expiration \_\_\_\_\_ Extension to \_\_\_\_\_  Additional Sheets Attached

Condition Compliance \_\_\_\_\_ signature \_\_\_\_\_ date \_\_\_\_\_

Performance Guarantee  Required\*  Not Required

\* No building permit may be issued until a performance guarantee has been submitted as indicated below

- Performance Guarantee Accepted \_\_\_\_\_ date \_\_\_\_\_ amount \_\_\_\_\_ expiration date \_\_\_\_\_
- Inspection Fee Paid \_\_\_\_\_ date \_\_\_\_\_ amount \_\_\_\_\_
- Building Permit Issued \_\_\_\_\_ date \_\_\_\_\_
- Performance Guarantee Reduced \_\_\_\_\_ date \_\_\_\_\_ remaining balance \_\_\_\_\_ signature \_\_\_\_\_
- Temporary Certificate of Occupancy \_\_\_\_\_ date \_\_\_\_\_  Conditions (See Attached)
- Final Inspection \_\_\_\_\_ date \_\_\_\_\_ signature \_\_\_\_\_
- Certificate Of Occupancy \_\_\_\_\_ date \_\_\_\_\_
- Performance Guarantee Released \_\_\_\_\_ date \_\_\_\_\_ signature \_\_\_\_\_
- Defect Guarantee Submitted \_\_\_\_\_ submitted date \_\_\_\_\_ amount \_\_\_\_\_ expiration date \_\_\_\_\_
- Defect Guarantee Released



**CITY OF PORTLAND, MAINE  
DEVELOPMENT REVIEW APPLICATION  
PLANNING DEPARTMENT PROCESSING FORM**

**19980006**

I. D. Number

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**893-1200 892-7758**

Applicant or Agent Daytime Telephone, Fax

**1/29/98**

Application Date

**Alice St - Lot #9**

Project Name/Description

**20 Alice St**

Address of Proposed Site

**387-A-039**

Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply):  New Building  Building Addition  Change Of Use  Residential  
 Office  Retail  Manufacturing  Warehouse/Distribution  Parking Lot  Other (specify) \_\_\_\_\_

**13,185 Sq Ft**

Proposed Building square Feet or # of Units

Acreage of Site

Zoning

**Check Review Required:**

- |  |   |  |  |
|--|---|--|--|
| <input checked="" type="checkbox"/> Site Plan<br>(major/minor) | <input type="checkbox"/> Subdivision<br># of lots _____ | <input type="checkbox"/> PAD Review            | <input type="checkbox"/> 14-403 Streets Review   |
| <input type="checkbox"/> Flood Hazard                          | <input type="checkbox"/> Shoreland                      | <input type="checkbox"/> Historic Preservation | <input type="checkbox"/> DEP Local Certification |
| <input type="checkbox"/> Zoning Conditional<br>Use (ZBA/PB)    | <input type="checkbox"/> Zoning Variance                | <input type="checkbox"/> Other _____           |  |

Fees Paid: Site Plan **\$50.00** Subdivision \_\_\_\_\_ Engineer Review **\$100.00** Date: **1/29/98**

**DRC Approval Status:**

Reviewer **Jim Wendel**

- Approved  **Approved w/Conditions**  Denied  
 see attached

Approval Date **2/5/98** Approval Expiration **2/5/99** Extension to \_\_\_\_\_  Additional Sheets Attached

Condition Compliance **Jim Wendel** **2/5/98**  
 signature date

**Performance Guarantee**

Required\*

Not Required

\* No building permit may be issued until a performance guarantee has been submitted as indicated below

- |   |                |  |                 |
|---|----------------|--|-----------------|
| <input type="checkbox"/> Performance Guarantee Accepted     | _____          | _____  | _____           |
|   | date           | amount   | expiration date |
| <input type="checkbox"/> Inspection Fee Paid                | _____          | _____  |                 |
|   | date           | amount   |                 |
| <input type="checkbox"/> Building Permit                    | _____          |  |                 |
|   | date           |  |                 |
| <input type="checkbox"/> Performance Guarantee Reduced      | _____          | _____  | _____           |
|   | date           | remaining balance                                  | signature       |
| <input type="checkbox"/> Temporary Certificate Of Occupancy | _____          | <input type="checkbox"/> Conditions (See Attached) |                 |
|   | date           |  |                 |
| <input type="checkbox"/> Final Inspection                   | _____          | _____  |                 |
|   | date           | signature  |                 |
| <input type="checkbox"/> Certificate Of Occupancy           | _____          |  |                 |
|   | date           |  |                 |
| <input type="checkbox"/> Performance Guarantee Released     | _____          | _____  |                 |
|   | date           | signature  |                 |
| <input type="checkbox"/> Defect Guarantee Submitted         | _____          | _____  | _____           |
|   | submitted date | amount   | expiration date |
| <input type="checkbox"/> Defect Guarantee Released          | _____          | _____  |                 |
|   | date           | signature  |                 |

Applicant: Peter Busque

Date: 2/17/98

Address: 20 Alice St.

C.B.L.: 307-A-39

CHECK-LIST AGAINST ZONING ORDINANCE

Date - New

Zone Location - R-2

Interior or corner lot - cor. Hope St

Proposed Use/Work - to construct 1 family dwelling with attached garage

Sewage Disposal - City

Lot Street Frontage - 50' req - 106' shown

Front Yard - 25' req - 25' + shown

Rear Yard - 25' req - 25' + shown

Side Yard - 14' req 2 storages - 21' shown  
20' req on side st - 25' + shown

Projections - rear enclosed bulkhead - front stairs - rear stairs  
off the slider - needs to fix new plan showing these setbacks

Width of Lot - 80' req - 106' shown

Height - 2 story -

Lot Area - 10,000 sq ft req - 13,135 sq ft shown

Lot Coverage/ Impervious Surface - 20% or 2627 sq ft MAX

Area per Family - 10,000 sq ft - ok

Off-street Parking - 2 SPACES req - 2 shown

Loading Bays - N/A

Site Plan - minor/minor

Shoreland Zoning/ Stream Protection - N/A

Flood Plains - Panel 2 of 17 - Zone C<sub>1</sub>

Panel 2300051-0007B

effective DATE 7/17/86

26 x 30 = 988 sq ft

**MANUFACTURED HOUSING USED AS DWELLINGS (Appendix A)**

N/A Provisions adopted (114) \_\_\_\_\_ Compliance with Appendix A verified

**SWIMMING POOLS, SPAS, AND HOT TUBS (Appendix D)**

\_\_\_\_\_ Provisions adopted (115) N/A \_\_\_\_\_ Compliance with Appendix D verified

**ENERGY CONSERVATION (Appendix E)**

\_\_\_\_\_ CABO Model Energy Code adopted (119) N/A

**RADON CONTROL MEASURES (Appendix F)**

\_\_\_\_\_ Provisions applicable (Table 301.2a & 324) N/A \_\_\_\_\_ Compliance with Appendix F verified

**NOTES**

See attached Building permit report.

**BOCA®  
PLAN REVIEW RECORD**

Valuation: \$92,000 Plan Review # \_\_\_\_\_  
 Fee: 480.00 Date: 19/Feb/98

**CABO  
ONE AND TWO FAMILY DWELLING CODE**

JURISDICTION Portland Cumberland ME  
(City, County, Township, etc.)

BUILDING LOCATION 20 Alice ST. (Lot #9) 387-A-039 B  
(Street address)

BUILDING DESCRIPTION Single Family dwelling/attached 2 garage. A-3

REVIEWED BY J. Joffe BOCA National Building Code/96

Numerals indicated in parenthesis are applicable code sections of the 1995 Edition of the CABO One and Two Family Dwelling Code. The plan review accomplished as indicated in this record is limited to those code sections specifically identified herein. This record references commonly applicable code sections with due regard for the amount and type of detailed information which is typically found on construction documents for one and two family dwellings. It does not reference all code provisions which may be applicable to specific buildings. This record is designed to be used only by those who are knowledgeable and capable of exercising competent judgement in evaluating construction documents for code compliance.

CORRECTION LIST		
No.	DESCRIPTION	Code Section
1.	Plumbing, Electrical and HVAC permits must be obtained - See req. #24	
2.	Safety glazing shall be used in accordance with section 2405.0 of the building code. <del>and</del> other glass shall be done in accordance with sections 2402.0 - 2403	2405.0 2402.0
3.	Treads & risers. See req. 10" min Tread 7 3/4" max rise <sup>see report #10</sup>	1014.6
4.	Guardrails and Handrails (see report) #8	1014.7
5.	Waterproofing & damp roofing (see report #9)	1813.0
6.	Anchor bolts #34	2305.7
7.	Pre-Engineered Roof Trusses (supply detail) #32	
8.	Asphalt shingles	1507.4.3
9.	Fireplaces and Chimney Chapter 2113.0 building code and Chapter 1404 of the mechanical code	2113.0 1404 M



**ROOF COVERINGS (cont'd.)**

**ASPHALT SHINGLES (903)**

- OK Steep-slope application (slope  $\geq$  4:12)
- N/A Low-slope application ( $2:12 \leq$  slope  $<$  4:12)
- MA Attachment (Table 903.4)
- OK Flashing
- N/A Hips and ridges

**SLATE SHINGLES (904)**

- N/A Application
- N/A Underlayment
- N/A Valley flashing

**METAL (905)**

- N/A Application
- N/A Roof slope
- N/A Underlayment

**TILE, CLAY OR CONCRETE SHINGLES (906)**

- N/A Application
- N/A Attachment
- N/A Roof slope
- N/A Underlayment
- N/A Nailing and flashing

**BUILT-UP ROOFING (907)**

- N/A Underlayment
- N/A Installation requirements

**WOOD SHINGLES (908)**

- N/A Sheathing requirements
- N/A Installation requirements
- N/A Attachment & exposure (Tables 908.3 & 908.3.3)
- N/A Valley flashing
- N/A Label

**WOOD SHAKES (909)**

- N/A Sheathing requirements
- N/A Installation requirements
- N/A Attachment & exposure (Tables 908.3 & 908.3.3)
- N/A Valley flashing
- N/A Label

**REROOFING (910)**

- N/A 25 percent or more of roof repaired, replaced or recovered
- N/A Structural support
- N/A Recover vs replace

**CHIMNEYS AND FIREPLACES (Chapter 10)**

**MASONRY CHIMNEYS (1001)**

- N/A Construction (1001.1 & Figure 1003.1)
- N/A Changes in dimension
- N/A Additional load
- N/A Termination
- N/A Wall thickness;  $\geq$  4"
- N/A Flue lining - material/installation
- N/A Multiple flues
- N/A Flue area (appliance)
- N/A Flue area (masonry fireplace)
- N/A Inlet
- N/A Cleanout opening

**MASONRY CHIMNEYS (cont'd.)**

- N/A Chimney clearance
- N/A Firestopping

**FACTORY-BUILT CHIMNEYS (1002)**

- N/A Approved and listed
- N/A Installation

**MASONRY FIREPLACES (1003)**

- N/A Construction (Figure 1003.1 & Table 1003.1)
- N/A Fireplace walls
- N/A Steel fireplace units
- N/A Lintel (noncombustible)
- N/A Hearth extension material

NOTE: Entries to this Plan Review Record that require a field check or inspection of the installation require coordination with the inspection phase of the project.

**BUILDING PLANNING (Chapter 3)**

**LOCAL DESIGN CRITERIA (301)**

- Floor live load 40/30 psf
- Roof live load 42 psf
- Roof snow load 46 psf
- Wind pressure N/A psf
- Seismic zone 2
- Weathering area 5
- Frost line depth 4'
- Termite area N/A

**LOCAL DESIGN CRITERIA (cont'd.)**

- Decay area N/A
- Winter design temp. -2
- Radon \_\_\_\_\_

**LOCATION ON LOT (302)**

- N/A 1-hour rating for exterior walls located less than 3 feet from property line
- N/A Exterior wall openings

**ROOM PLANNING REQUIREMENTS (303 through 305)**

Use	Area (ft <sup>2</sup> )	Width	Average ceiling	Minimum ceiling	Natural* light	Natural ventilation*
Living	150	7'	7'6"	5'0"	8% floor area	4% floor area
Dining	70	7'	7'6"	5'0"	8% floor area	4% floor area
Kitchen	50	N.A.	7'0"	5'0"	8% floor area	4% floor area
Bedroom	70	7'	7'6"	5'0"	8% floor area	4% floor area
Bathroom	N.A.	N.A.	7'0"	5'0"	3 square feet	1½ square feet

\* See Sections 303.1 & 303.3 for mechanical ventilation

YES Required heating (303.6)

**SANITATION (306 & 307)**

- OK Water closet in compartment with privacy; minimum 30" wide with 21" clear in front of water closet
- ✓ Lavatory
- ✓ Tub or shower in compartment with privacy
- ✓ Kitchen area with sink
- Public Sanitary sewer/private disposal
- see Labeling
- N/A Louvered windows or jalousies
- N/A Human impact loads/hazardous locations
- N/A Wind loads
- ✓ Skylights and sloped glazing

**PRIVATE GARAGES (309) 407 BOCA 96**

- see requirements No opening between garage and sleeping room
- N/A Other openings (garage to residence); 1⅜" solid wood doors, 20-minute fire-rated doors or equivalent
- N/A Garage-dwelling separation; ½" gypsum board or equivalent on garage side

**PRIVATE GARAGES (cont'd.)**

OK 4" concrete Floor surface noncombustible

**EGRESS (310 through 315)**

- N/A One exit from each dwelling unit (310.1)
- See req. 12 Sleeping room window for emergency escape: opening 5.7 square feet (grade floor, 5 square feet), 22" net clear height, 20" net clear width; maximum sill height = 44" (310.2)
- N/A Under stair protection (310.3)
- OK Exit door  $\geq$  (3'0" x 6'8") (311.1)
- OK Exit access or hallway  $\geq$  3' (311.1)
- Landings; minimum 3' x 3' (312.1)
- N/A Ramp slope (1:8 maximum) (313.1)
- N/A Ramp handrails; one required if slope  $>$  1:12 (313.2)
- N/A Ramp landing, minimum 3' x 3' (313.3)
- See req 10 Stairways; minimum width = 3'0"; maximum stair rise = 7¾"; minimum tread = 10" with ¾"-1¼" nosing; minimum headroom = 6'8" (314)
- N/A Winders (314.4)
- N/A Winders, spiral, and circular stairways (314.4 through 314.6)
- OK Stairway illumination (314.7)
- N/A Handrails; required on one side of stair if three or more risers; handrail height = 30" to 38"; grip size 1¼" to 2" (315.1 & 315.2)

**BUILDING PLANNING (cont'd.)**

EGRESS (cont'd.)

Guardrails; required for porches, balconies, open sides of stairs, or raised floor surfaces > 30" above floor  
Minimum guardrail height = 36" (315.3)  
Opening limitations; < 4" (315.4)

SMOKE DETECTORS (316) 920, 3.2  
see report #16  
Location and interconnection

Power source

FOAM PLASTIC (317)

Approved  
Requirements  
Location

WALL AND CEILING FINISH (318)

Flame spread  
Smoke density

INSULATION (319)

Flame spread  
Smoke density  
Attic

DWELLING UNIT SEPARATION (320)

Construction (1-hour minimum)  
Floor/ceiling and wall continuity  
Sound transmission  
Townhouse exception (2 hours)\*  
Townhouse parapet\*  
Townhouse structural independence\*

\*Not applicable to structures classified in accordance with the BOCA National Building Code as Use Group R-4.

MOISTURE VAPOR RETARDERS (321.1)

Required

DECAY AND TERMITE AREAS (322 & 323)

Location required (Table 301.2a)  
Adequate protection

RADON PROTECTION (324)

Required (Table 301.2a) (If required see page 12)

**FOUNDATIONS (Chapter 4)**

WOOD FOUNDATIONS (402.1)

Design  
Installation

FOOTINGS (403) 4' min.

Depth below (outside) grade = 12" minimum; but below frost line except for insulated footings  
Insulated footing provided

Soil bearing value  
Footing width (see page 5)

Footing edge thickness = 6" minimum; footing projection = 2" minimum, but ≤ to footing thickness

FOUNDATION WALLS (404 through 406)

Footing required under foundation wall  
Minimum wall thickness/maximum depth of unbalanced fill (see page 5)

FOUNDATION WALLS (cont'd.)

Drains required if habitable or usable spaces are below grade\* (405)

Dampproofing if basements are below grade\* (406) 18 B, O

Waterproofing if high water table\* (406.2)

Sill plate (2x6)

Bolting in concrete = 1/2" diameter bolts at 6' o.c. and within 12" from corner, 7" embedment

Bolting in masonry = 1/2" diameter bolts at 6' o.c. and within 12" from corner, 15" embedment

FOUNDATION INSULATION (407)

Protective covering (extend minimum 6" below grade)

\* If uninhabitable, see crawl space (409)

**ROOF-CEILING CONSTRUCTION (cont'd.)**

RAFTERS

Grade; E = \_\_\_\_ F<sub>b</sub> = \_\_\_\_ (802.1) \_\_\_\_ FRTW allowable stresses/grading (802.1.1)

Rafters supporting a gypsum or plastered ceiling (cathedral type)\*

Gypsum ceiling (Δ = L/240) (301.6)	Plastered ceiling (Δ = L/360) (301.6)
LL = 20: Use Table 802.4e	LL = 20: Use Table 802.4h
LL = 30: Use Table 802.4f	LL = 30: Use Table 802.4i
LL = 40: Use Table 802.4g	LL = 40: Use Table 802.4j

Rafters not supporting a finished ceiling (attic type)\*

Low-slope (slope ≤ 3:12) (Light roofing: DL = 10 psf)	High slope (slope > 3:12) (Heavy roofing: DL = 15 psf)	High slope (slope > 3:12) (Light roofing: DL = 7 psf)
LL = 20: Use Table 802.4k	LL = 20: Use Table 802.4n	LL = 20: Use Table 802.4q
LL = 30: Use Table 802.4l	LL = 30: Use Table 802.4o	LL = 30: Use Table 802.4r
LL = 40: Use Table 802.4m	LL = 40: Use Table 802.4p	LL = 40: Use Table 802.4s

\* LL = Live load (psf); DL = Dead load; L = span length

JOISTS (CEILINGS)

Grade; E = \_\_\_\_ F<sub>b</sub> = \_\_\_\_ (802.1) \_\_\_\_ FRTW allowable stresses/grading (802.1.1)

Joists with limited attic storage (roof slope > 3:12) (LL = 20 psf; DL = 10 psf) (Table 301.4)\*

Plaster ceiling (Δ = L/360) (301.6) Use Table 802.4a	Gypsum ceiling (Δ = L/240) (301.6) Use Table 802.4b
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Joists with no attic storage (roof slope ≤ 3:12) (LL = 10 psf; DL = 5 psf) (Table 301.4)\*

Plaster ceiling (Δ = L/360) (301.6) Use Table 802.4c	Gypsum ceiling (Δ = L/240) (301.6) Use Table 802.4d
---	--

\* LL = Live load (psf); DL = Dead load; L = span length

PLYWOOD ROOF SHEATHING (803.2)

CDX Grade  
5/8" Thickness  
FRTW allowable stresses/grading  
Allowable spans (Table 503.2.1.1a)  
Installation (803.2.3)

PARTICLEBOARD ROOF SHEATHING (803.3)

Grade

PARTICLEBOARD ROOF SHEATHING (cont'd.)

Thickness  
Allowable spans (Table 803.3.2)  
Installation (803.3.3)

ATTICS

Ventilation requirements (806)  
Access requirements (807)

soffit ridge vent. See plan.

**ROOF COVERINGS (Chapter 9) Chapter 15**

GENERAL (901)

Load/weather resistance  
Approved materials

DECK PREPARATION (902)

Underlayment application  
Underlayment attachment

**WALL CONSTRUCTION (cont'd.)**

Table No. 602.3d  
MAXIMUM STUD SPACING (inches)

STUD SIZE	SUPPORTING ROOF AND CEILING ONLY	SUPPORTING ONE FLOOR ROOF AND CEILING	SUPPORTING TWO FLOORS ROOF AND CEILING	SUPPORTING ONE FLOOR ONLY
2 x 4	24 <sup>1</sup>	16	—	24 <sup>1</sup>
3 x 4	24 <sup>1</sup>	24	16	24
2 x 5	24	24	—	24
2 x 6	24	24	16	24

For SI: 1 inch = 25.4 mm.  
<sup>1</sup> Shall be reduced to 16 inches if Utility grade studs are used.

**WALL COVERING (Chapter 7)**

INTERIOR WALL COVERING (702)

- \_\_\_\_\_ Plaster material (702.2)
- \_\_\_\_\_ Plaster support (702.2.1)
- 1/2" Gypsum wallboard material (702.3.1)
- \_\_\_\_\_ Gypsum wallboard support, application and fastening (702.3.2 through 702.3.5)
- \_\_\_\_\_ Shower and bath compartments: Smooth, hard, nonabsorbent surface to minimum 6 feet above floor (702.4)
- \_\_\_\_\_ Other finishes (702.5 & 702.6)

EXTERIOR WALL COVERING (703)

- \_\_\_\_\_ Sheathing paper required (703.2)
- \_\_\_\_\_ Wood siding (703.3)
- \_\_\_\_\_ Attachment and minimum thickness (Table 703.4)

EXTERIOR WALL COVERING (cont'd.)

- \_\_\_\_\_ Wood shakes and shingles (703.5)
- \_\_\_\_\_ Exterior lath (703.6)
- \_\_\_\_\_ Masonry veneer (703.7 & Figure 703.7)  
Maximum height (35' in Seismic Zones 0, 1 or 2; 25' in Seismic Zones 3 or 4); Steel angle lintels (Table 703.7.1) (4" minimum bearing each end)
- \_\_\_\_\_ Veneer ties: #9 wire or #22 corrugated metal; 24" o.c. horizontal spacing; 3/4 square feet maximum area supported (wind > 30 psf and Seismic Zones 3 or 4 maximum area = 2 square feet) (703.7.2.1)

OK, Flashing (703.8)  
Vinyl siding,

**ROOF-CEILING CONSTRUCTION (Chapter 8)**

ROOF FRAMING (802)

- 1/2" Cathedral ceilings (802.2.1)
- \_\_\_\_\_ Rafter tie where joists are not parallel to rafters (4' o.c.) (802.3)
- \_\_\_\_\_ Rafter brace to bearing walls (2" x 4" at 4' o.c. minimum) (Figure 802.4.1)
- \_\_\_\_\_ Purlin rafter support (2" x construction minimum) (802.4.1)
- \_\_\_\_\_ Connection of roof-ceiling system to masonry walls (Figures 604.10a through 604.10c)

ROOF FRAMING (cont'd.)

- \_\_\_\_\_ Bearing
- \_\_\_\_\_ Cutting and notching
- \_\_\_\_\_ Bored holes
- \_\_\_\_\_ Lateral support and bridging
- \_\_\_\_\_ Framing of openings
- ✓ Trusses
- \_\_\_\_\_ Roof tie-down

**FOUNDATIONS (cont'd.)**

Table 403.1  
MINIMUM WIDTH OF CONCRETE OR MASONRY FOOTINGS (inches)

	LOAD-BEARING VALUE OF SOIL (psf)					
	1,500	2,000	2,500	3,000	3,500	4,000
<b>Conventional Wood Frame Construction</b>						
1-story	16	12	10	8	7	6
2-story	19	15	12	10	8	7
3-story	22	17	14	11	10	9
<b>4-Inch Brick Veneer over Wood Frame or 8-Inch Hollow Concrete Masonry</b>						
1-story	19	15	12	10	8	7
2-story	25	19	15	13	11	10
3-story	31	23	19	16	13	12
<b>8-Inch Solid or Fully Grouted Masonry</b>						
1-story	22	17	13	11	10	9
2-story	31	23	19	16	13	12
3-story	40	30	24	20	17	15

For SI: 1 inch = 25.4 mm, 1 psf = 0.0479 kN/m<sup>2</sup>.

Table No. 404.1.1a  
MINIMUM THICKNESS AND ALLOWABLE DEPTH OF UNBALANCED FILL FOR UNREINFORCED MASONRY AND CONCRETE FOUNDATION WALLS WHERE UNSTABLE SOIL OR GROUNDWATER CONDITIONS DO NOT EXIST IN SEISMIC ZONES 0, 1 OR 2<sup>1,2</sup>

FOUNDATION WALL CONSTRUCTION	NOMINAL THICKNESS <sup>3</sup> (inches)	MAXIMUM DEPTH OF UNBALANCED FILL <sup>1</sup> (feet)
Masonry of Hollow Units, UngROUTed	8	4
	10	5
	12	6
Masonry of Solid Units	6	3
	8	5
	10	6
	12	7
Masonry of Hollow or Solid Units, Fully Grouted	8	7
	10	8
	12	8
Plain Concrete	6 <sup>4</sup>	6
	8	7
	10	8
	12	8
Rubble Stone Masonry	16	8
Masonry of hollow units reinforced vertically with No. 4 bars and grout at 24 inches on center. Bars located not less than 4 1/2 inches from pressure side of wall.	8	7

For SI: 1 inch = 25.4 mm, 1 psf = 0.0479 kN/m<sup>2</sup>.

<sup>1</sup> Unbalanced fill is the difference in height of the exterior and interior finish ground levels. Where an interior concrete slab is provided, the unbalanced fill shall be measured from the exterior finish ground level to the top of the interior concrete slab.

<sup>2</sup> The height between lateral supports shall not exceed 8 feet.

<sup>3</sup> The actual thickness shall not be more than 1/2 inch less than the required nominal thickness specified in the table.

<sup>4</sup> Six-inch plain concrete walls shall be formed on both sides.

**FOUNDATIONS (cont'd.)**

*OK*

Table No. 404.1b

REQUIREMENTS FOR MASONRY OR CONCRETE FOUNDATION WALLS SUBJECTED TO NO MORE PRESSURE THAN WOULD BE EXERTED BY BACKFILL HAVING AN EQUIVALENT FLUID WEIGHT OF 30 POUNDS PER CUBIC FOOT LOCATED IN SEISMIC ZONE 3 OR 4 OR SUBJECTED TO UNSTABLE SOIL CONDITIONS

MATERIAL TYPE	HEIGHT OF UNBALANCED FILL <sup>1</sup> (feet)	LENGTH OF WALL BETWEEN SUPPORTING MASONRY OR CONCRETE WALLS (feet)	MINIMUM WALL THICKNESS <sup>2,3</sup> (inches)	REQUIRED REINFORCING	
				HORIZONTAL BAR IN UPPER 12 INCHES OF WALL	SIZE AND SPACING OF VERTICAL BARS
Hollow Masonry	4 or less	unlimited	8	not required	not required
	more than 4	design required	design required	design required	design required
Concrete or Solid Masonry <sup>4</sup>	4 or less	unlimited	8	not required	not required
	more than 4	less than 8	8	2-No. 3	No. 3 @ 18" O.C.
	8 or less	8 to 10	8	2-No. 4	No. 3 @ 18" O.C.
	8 or less	10 to 12	8	2-No. 5	No. 3 @ 18" O.C.
	more than 8	design required	design required	design required	design required

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per cubic foot (pcf) = 0.1572kN/m<sup>3</sup>.

<sup>1</sup> Backfilling shall not be commenced until after the wall is anchored to the floor.

<sup>2</sup> Thickness of concrete walls may be 6 inches, provided reinforcing is placed not less than 1 inch or more than 2 inches from the face of the wall not against the earth.

<sup>3</sup> The actual thickness shall not be more than 1/2 inch less than the required thickness specified in the table.

<sup>4</sup> Solid masonry shall include solid brick or concrete units and hollow masonry units with all cells grouted.

**COLUMNS (408)**

- \_\_\_\_\_ Protection from decay or corrosion
- \_\_\_\_\_ Structural requirements
- \_\_\_\_\_ Anchorage
- \_\_\_\_\_ Wood columns (minimum 4" square)
- Steel columns (minimum 3" diameter, standard weight)

**CRAWL SPACE (409)**

- N/A* \_\_\_\_\_ Ventilation
- N/A* \_\_\_\_\_ Access (18" x 24")
- N/A* \_\_\_\_\_ Removal of debris
- \_\_\_\_\_ Finished grade

**FLOORS (Chapter 5)**

*Chapter 23*

**WOOD JOISTS AND GIRDERS (502)**

- 2x10* \_\_\_\_\_ Joists — Nonsleeping areas, LL = 40 psf (Table 502.3.1a)
- 2x10* \_\_\_\_\_ Joists — Sleeping areas, LL = 30 psf (Table 502.3.1b)
- \_\_\_\_\_ Grade; E = \_\_\_\_\_ F<sub>b</sub> = \_\_\_\_\_
- \_\_\_\_\_ Girder supporting one floor only (Table 502.3.3a)
- \_\_\_\_\_ Girder supporting more than one floor (Table 502.3.3b)
- \_\_\_\_\_ Column supporting girder (Table 502.3.3b)
- See Plans OK* \_\_\_\_\_ Footing supporting column (Table 502.3.3b)

**WOOD JOISTS AND GIRDERS (cont'd.)**

- OK* \_\_\_\_\_ Joists under bearing partitions
- \_\_\_\_\_ Bearing (1 1/2" minimum on wood or steel; 3" on masonry) and lapped joists (3")
- See Plans* \_\_\_\_\_ Lateral restraint and bridging
- \_\_\_\_\_ Drilling and notching
- DS* \_\_\_\_\_ Bored holes
- 5* \_\_\_\_\_ Fastening
- 51* \_\_\_\_\_ Framing of openings
- \_\_\_\_\_ Floor trusses
- \_\_\_\_\_ Draftstopping

**FLOORS (cont'd.)**

**LUMBER FLOOR SHEATHING (503.1)**

- N/A* \_\_\_\_\_ Allowable span
- N/A* \_\_\_\_\_ End joints

**PLYWOOD FLOOR SHEATHING (503.2)**

- 3/4* \_\_\_\_\_ Grade
- 3/4* \_\_\_\_\_ Thickness
- OK* \_\_\_\_\_ Allowable spans (Tables 503.2.1.1a & 503.2.1.1b)
- \_\_\_\_\_ Installation (Table 602.3a)

**PARTICLEBOARD FLOOR UNDERLAYMENT (503.3)**

- N/A* \_\_\_\_\_ Grade
- N/A* \_\_\_\_\_ Thickness
- \_\_\_\_\_ Installation (Table 602.3a)

**TREATED-WOOD FLOORS (ON GROUND) (504)**

- N/A* \_\_\_\_\_ Base course: 4" thick with maximum 3/4" gravel or 1/2" crushed stone
- N/A* \_\_\_\_\_ Moisture barrier: placed over base course
- \_\_\_\_\_ Construction

**CONCRETE FLOORS ON GROUND (505)**

- \_\_\_\_\_ Thickness: 3 1/2" minimum; Concrete strength = 2500 psi minimum
- N/A* \_\_\_\_\_ Support: prepared subgrade; maximum earth fill = 8"; maximum sand or gravel fill = 24"
- N/A* \_\_\_\_\_ Base course: 4" graded with 2" maximum aggregate
- Garage only* \_\_\_\_\_ Vapor barrier

**METAL (506)**

- N/A* \_\_\_\_\_ Materials

**WALL CONSTRUCTION (Chapter 6)**

*Chapter 23*

**GENERAL (601)**

- OK* \_\_\_\_\_ Design
- \_\_\_\_\_ Load requirements (~~601~~)

**WOOD CONSTRUCTION (cont'd.)**

- OK* \_\_\_\_\_ Cripple walls
- OK* \_\_\_\_\_ Wall bracing (Table ~~602.9~~)

**WOOD CONSTRUCTION (~~602~~)**

- \_\_\_\_\_ Grade; E = \_\_\_\_\_ F<sub>b</sub> = \_\_\_\_\_
- \_\_\_\_\_ Construction (Figures 602.3a & 602.3b)
- \_\_\_\_\_ Stud grade \_\_\_\_\_ spacing (Table 602.3d — see page 8)
- 2x6* \_\_\_\_\_ Exterior walls
- \_\_\_\_\_ Interior bearing walls
- 2x4* \_\_\_\_\_ Interior nonbearing walls: 2" x 3" at 24" o.c. or 2" x 4" flat at 16" o.c.
- \_\_\_\_\_ Drilling and notching — studs
- \_\_\_\_\_ Drilling and notching — top plate
- \_\_\_\_\_ Headers (Tables 602.6 & 602.6.2)
- \_\_\_\_\_ Firestopping

**METAL CONSTRUCTION (~~603~~)**

- \_\_\_\_\_ Materials

**MASONRY CONSTRUCTION (~~604 through 607~~)**

- N/A* \_\_\_\_\_ General design
- N/A* \_\_\_\_\_ Types of masonry
- \_\_\_\_\_ Construction requirements

**WINDOWS & DOORS (~~608 & 609~~)**

- OK* \_\_\_\_\_ Certification

**SHEATHING (~~610 & 611~~)**

- OK* \_\_\_\_\_ Plywood and wood structural panels (610)
- OK* \_\_\_\_\_ Particleboard (611)