

Please fill out any part which applies to job. Proper plans must accompany form.

Owner: KEY BANK CMRS IV Inc, Phone # 878-7000 603-547-3211 x408
 Address: 1200-1300 Portland ME 04101
 LOCATION OF CONSTRUCTION Forest Ave. 1288-1300
 Contractor: MacMillin Co. Sub.: _____
 Address: 17 Elm St Keene, NH 03431 Phone # 603-352-3076 X118
P.O. Box 626 3 structures 16 units
 Est. Construction Cost: 1,124.00 Proposed Use: Housing physically disabled
 Past Use: vacant lot
 # of Existing Res. Units _____ # of New Res. Units _____
 Building Dimensions L _____ W _____ Total Sq. Ft. _____
 # Stories: _____ # Bedrooms _____ Lot Size: _____
 Is Proposed Use: Seasonal _____ Condominium _____ Conversion _____
 Explain Conversion To Construct 3 Buildings Totalling 16 Units for

Subdivision Fee \$400
 Major Site Plan \$300.

350285

PERMIT ISSUED

APR 3 1995

CITY OF PORTLAND

For Official Use Only

Date Dec. 2, 1993 Subdivision: _____
 Inside Fire Limits _____ Name _____
 Bldg Code _____ Lot _____
 Time Limit _____ Ownership _____
 Estimated Cost 5,640

CBL 292-D-5 and 6 Housing Physically Disabled Persons

Foundation:
 1. Type of Soil: _____
 2. Set Backs - Front _____ Rear _____ Side(s) _____
 3. Footings Size: _____
 4. Foundation Size: _____
 5. Other _____

Floor: Dump Ticks: M-0110/M-0109/30-2125/30-2134/30-2133
 1. Sills Size: _____ Sills must be anchored.
 2. Girder Size: _____
 3. Lally Column Spacing: _____ Size: _____
 4. Joists Size: _____ Spacing 16" O.C.
 5. Bridging Type: _____ Size: _____
 6. Floor Sheathing Type: _____ Size: _____
 7. Other Material: _____

Exterior Walls:
 1. Studding Size _____ Spacing _____
 2. No. windows _____
 3. No. Doors _____
 4. Header Sizes _____ Span(s) _____
 5. Bracing: Yes _____ No _____
 6. Corner Posts Size _____
 7. Insulation Type _____ Size _____
 8. Sheathing Type _____ Size _____
 9. Siding Type _____ Weather Exposure _____
 10. Masonry Materials _____
 11. Metal Materials _____

Interior Walls:
 1. Studding Size _____ Spacing _____
 2. Header Sizes _____ Span(s) _____
 3. Wall Covering Type _____
 4. Fire Wall if required _____
 5. Other Materials _____

Zoning: 1,100 Dump Fees
 Street Frontage Provided: _____
 Provided Setbacks: Front _____ Back _____ Side _____ Side _____

Review Required:
 Zoning Board Approval: Yes _____ No _____ Date: _____
 Planning Board Approval: Yes _____ No _____ Date: _____
 Conditional Use: _____ Variance _____ Site Plan Subdivision _____
 Shoreland Zoning Yes _____ No _____ Floodplain Yes _____ No _____
 Special Exception _____
 Other _____ (Explain) _____

Ceiling:
 1. Ceiling Joists Size: _____
 2. Ceiling Strapping Size _____ Spacing _____
 3. Type Ceilings: _____
 4. Insulation Type _____ Size _____
 5. Ceiling Height: _____

Roof:
 1. Truss or Rafter Size _____ Span _____
 2. Sheathing Type 00.004 Size Preparation
 3. Roof Covering Type 00.008

Chimneys:
 Type: _____ Number of Fire Places 3/3/95

Heating:
 Type of Heat: _____

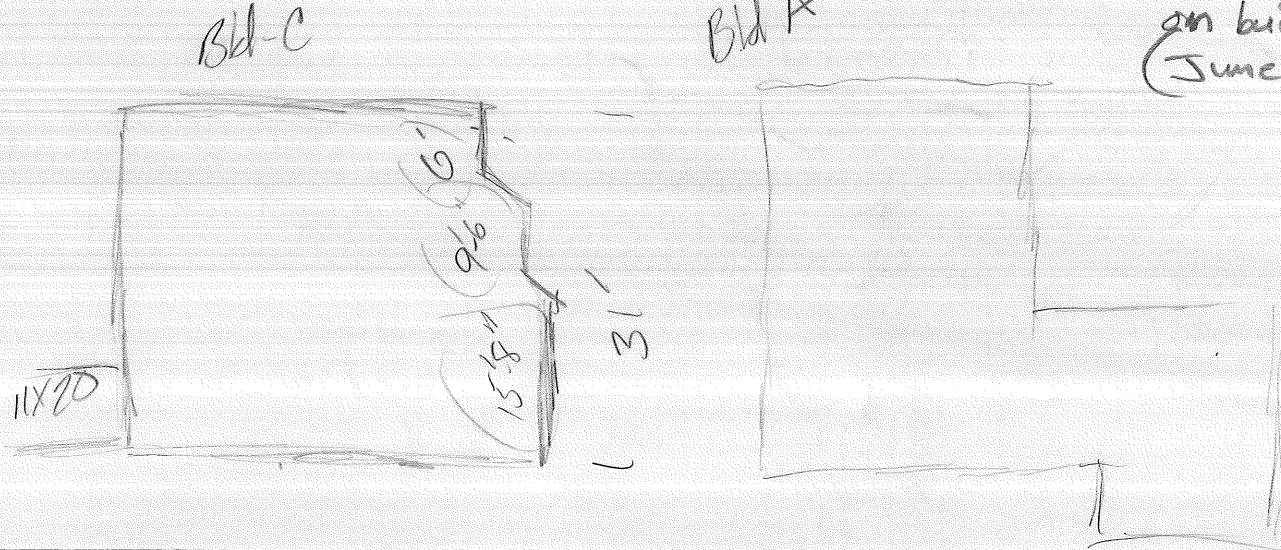
Electrical:
 Service Entrance Size: _____ Smoke Detector Required Yes _____ No _____

Plumbing:
 1. Approval of soil test if required Yes _____ No _____
 2. No. of Tubs or Showers _____
 3. No. of Flushes _____
 4. No. of Lavatories _____
 5. No. of Other Fixtures _____

Swimming Pools:
 1. Type: _____
 2. Pool Size: _____ x _____ Square Footage _____
 3. Must conform to National Electrical Code and State Law.

Permit Received By Latini Mary Gresik - 31 Mar 95
 Signature of Applicant Steve Doe (agent) Date 12/2/93
Steve Doe
 Signature of CEO Steven L. Horton Date 3-31-95
Steven L. Horton 31 Mar 95
 Inspection Dates _____

PLOT PLAN



*Note Prints Miss Labeled
on building letter A+B+C
(June 5-95 Set)



FEES (Breakdown From Front)

| | |
|-------------------------|--------|
| Base Fee \$ | _____ |
| Subdivision Fee \$ | 400.00 |
| Site Plan Review Fee \$ | 300.00 |
| Other Fees \$ | _____ |
| (Explain) | _____ |
| Late Fee \$ | _____ |

Inspection Record

| Type | Date |
|-------|------|
| _____ | / / |
| _____ | / / |
| _____ | / / |
| _____ | / / |
| _____ | / / |

COMMENTS seven sets of plans submitted (6 with Planning)

5-8-95 - Excavation in progress (6-13-95 Forms poured no Notification Building "C")
 depth on Footings is limited by ledge (informed contractor pin + place footing is OK in ledge sections)
 6-14-95 Build C - Footings pour except 16' section ran out (2" rigid insulation on Full Foundation
 walls) #5 rebar in place Footings + Forms (Footings averages 11" x 22") + Footings Keyed
 Building A - Footing Forms const. in progress 11" x 22" clear to pour when ready (some ledge in area)
 6-22-95 - Build A. (Forms up on Ftg's #5 rebar in place) 8" Forms, Build C pour floor
 WWF in place (8 pads for columns) clear to pour, Build A clear to pour
 6-26-95 - Build C Floors poured both sections (B under pour OK), Build A (8" Found wall poured + stripped
 2" rigid Insulation on int. of Found walls.

Signature of Applicant _____ Date _____



CITY OF PORTLAND, MAINE
Department of Building Inspection

Certificate of Occupancy

LOCATION 1300 Forest Ave

Issued to CMRS IV, Inc.

Date of Issue 21 March 1997

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. 950289, 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

Entire

Limiting Conditions:

NONE

APPROVED OCCUPANCY

Physically Disabled Housing
Three (3) Building
Sixteen (16) Units

This certificate supersedes
certificate issued 07 Dec/95

Approved:

3/21/97 *K. Russell*

(Date) Inspector

J. Samuel

Inspector of Buildings

*File Per. 0253
for 1-11-97*

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.

Project Name: Crofted Mt
 Project Address: 1300 Forest Ave

| Inspection Date | Type of Inspection | Remarks - prints - page # |
|-----------------|--|---------------------------|
| 7-13-95 | Building B Footings in w/vert #5 rebar in place / Footings Keyed | |
| | Building B North side Ftgs some rebar #6 Vertical | |
| 7-20-95 | Building B Ftgs poured (Vertical + Horizontal) Rebar placement in progress, wall forms placement started (#5 rebar + Ftgs, Keyed wall forms on North side, Vert rebar #6 Horizontal, 5-6 (10" wall forms) Building C Framing started 2x6 pt sills plates + Anchored 2x6 walls 2' OC 2x10 Headers 3 member windows + doors (slab poured OK) large window Headers 2x10 LVL'S (micro lam system) | |
| 7-26-95 | Building B All Ftgs, stripped #5 rebar in place Horizontal 1' OC #5 Vert 1' OC North Side wall forms poured #4 Vert Vert rebar in place + same South wall 8" walls N side split edge Building C Wood trusses in place 2' OC Plywood sheathing 19/32 CDX (no clips) OK per plans | |
| 7-31-94 | Building B wall form 8" all poured / some air forms stripped #4 Vert Rebar @ 30" OC + Anchor bolts @ 4' OC | |
| 7-31-94 | Build C Roof sheathing in progress / finished Rafters 3 tab Sq butt type Shingles w/15 lb Felt Paper | U Shaped Build |
| | Build A sprinkler system (pipe completed) 1/2 Copper insulated both H+C TRUCK 100 psi on water Feed / Exits, Windows 20" wide 44 height OK 7/1 Sq Ft. Basement sprinkled also | OA 5/8 R 3.23 |

Project Name: Crotched Mt.
 Project Address: 1300 Forest

| Inspection Date | Type of Inspection | Remarks - prints - page # |
|-----------------|---|---------------------------|
| 8-16-95 | Build B North West side Floor pour completed (East side compartment in prog) All Plumbing under slab OK all prechecks 7 Plumbing Pipe in non paved section water test completed (this section) tie in to sewer lines today Cleanouts @ this point of tie into cast from PVC sewer (6" sq. WWF under B pour with #4 + #5 rebar) | sewer SDR-35 |
| 8-16-95 | Building C Roof Shingle completed w/ ridge type Vent. w/ soffit type vent also Building (A) Vinyl siding in progress Building (B) Floor pour completed / All Plumbing under slab OK / PT / sill w/ sill seal Anchor bolts 3' OC / Wall Framing in progress 2x6 16" OC 1/2 plywood sheathing Note: Concrete floor pour was covered w/ burlap and kept wet for 24 hrs. | |
| 9-1-95 | Building "B" Front InSP: Truss # 661 T3 2x4 @ 2' OC Walls 2x6 @ 2' OC Trusses # 661 T-4 2x4 2' OC Truss sheetrocked (GWB 5/8" Type Fireshield) Building C 2 Front Entrances on 8" SMC tubes / depth not known Same on Building "C" All 3 Front projections Rafter 2x10 2' OC / w 2x4 ceiling joist 2' OC 2x10 Outside header carry over 6x6" post on ea. | |

Project Name: _____
 Project Address: 1300 Forest _____

| Inspection Date | Type of Inspection | Remarks - prints - page # |
|-----------------|--|---------------------------|
| 6-26-95 | Building A+C - 0 floors pour A Form Walls poured Building B Footings Forms installation in progress (10" X 21") | |
| 6-28-95 | Building A Footings in / #5 rebar in place 20" wide depth varies ledge (pin + pour OK) | |
| 6-28-95 | North of Build A Form for Hgs in place (20" width depth varies) Build C Foot pour covered w/wet Fiber Blanket | |
| | Build C 3 member Carry Beam 2X10 Pl Joist 2X10 16" OC existing in place Fastened / 3 mem 2X10 headers/walls 2X6 2" OC pl sill plate (Basement) plywood 23/32 | |
| | Build B / int. compacted 2" ridge on int Foot wall Vertical # 4 rebar in place Front See int B not yet poured water main brought in | |
| 7-6-95 | Plumbing Insp. Air test by Marland Winy (Building A) | |
| 7-13-95 | Building A (East side) Plumbing / w/air Air test OK 5 lbs for 15 min. (Completed) OK Clear to backfill. | |
| 7-13-95 | Framing Insp. Build C (4 DU) Trusses 2" OC / W lateral bracing/walls 2X6 16" OC / LVL 2X10 headers over 8' windows Form windows 21 W X 45 H ridge vent OK | |

Project Name: Crotched Mt.
 Project Address: 1300 Forest

| Inspection Date | Type of Inspection | Remarks - prints - page # |
|-----------------|--|--|
| 9-28-95 | H/C Ramp on right side of Building C poured 4' width OK | |
| | (Fire Separation between buildings?) 5' 5/8" type GWB All Building tapes in place / Blue board in baths & Ceram. tile up to 4" in both hard board behind | |
| 10-18-95 | Building "A" ADA / Requirements in the seven JDU / DK | |
| | Building "B" ADA / Req. not completed yet | |
| | Building "C" ADA / Req. 4 JDU OK | |
| 11-27-95 | Pre Final w/ Lt. Max Duggal | |
| | Common area / Junior closet. Plum. work not completed | Call planning (site report) (Heating Permit) |
| | Operable window in (a) etc. Bathroom (YES) | Some showers in Apt. / redo Ceramic / plumbing to be completed. Done |
| | Powered Vent OK | |
| | SPRINKLER Rm / wall fire penetration on left wall, sealed | |
| | Furnace Rm fire Penetrations in GWB fixed | |
| | Apt 13-C4 Ceiling Attic Access (C-Building) N/A | |
| | (Heating Permit?) | |
| | Will Note Building by letter A, B or C and then Apt. # | |

PLUMBING APPLICATION

Department of Human Services
Division of Health Engineering
(207) 289-3826

PROPERTY ADDRESS

| | |
|--------------------|--------------------|
| Town Or Plantation | PORTLAND, MAINE |
| Street | 1300 FOREST AVENUE |
| Subdivision Lot # | |

PROPERTY OWNERS NAME

| | | | |
|---|---|--------|--|
| Last: | CMRS IV | First: | |
| Applicant Name: | H.H.I.S. MECHANICAL | | |
| Mailing Address of Owner/Applicant (If Different) | 120 THOMPSON ROAD NORTH CONWAY, NH 03860 | | |

PORTLAND PERMIT # 5439 STATE COPY

Date Permit Issued: 6.22.95 \$ 324.00 FEE Double Fee Charged

L.P.I. # 0124

Local Plumbing Inspector Signature: *D. Samuel Hoffes*

Owner/Applicant Statement

I certify that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Local Plumbing Inspector to deny a Permit.

Signature of Owner/Applicant

Date

Caution: Inspection Required

I have inspected the installation authorized above and found it to be in compliance with the Maine Plumbing Rules.

Local Plumbing Inspector Signature

Date Approved

PERMIT INFORMATION

This Application is for

- NEW PLUMBING
- RELOCATED PLUMBING

Type Of Structure To Be Served:

- SINGLE FAMILY DWELLING
- MODULAR OR MOBILE HOME
- MULTIPLE FAMILY DWELLING
- OTHER — SPECIFY

INDEPENDENT APARTMENTS FOR THE DISABLED.

Plumbing To Be Installed By:

- MASTER PLUMBER
- OIL BURNERMAN
- MFG'D. HOUSING DEALER / MECHANIC
- PUBLIC UTILITY EMPLOYEE
- PROPERTY OWNER

LICENSE # MS00002606

| Hook-Up & Piping Relocation Maximum of 1 Hook-Up | Column 2 | | Column 1 | |
|---|----------|--|----------|------------------------------|
| | Number | Type of Fixture | Number | Type of Fixture |
| <p>HOOK-UP: to public sewer in those cases where the connection is not regulated and inspected by the local Sanitary District.</p> <p>OR</p> <p>HOOK-UP: to an existing subsurface wastewater disposal system.</p> <p>PIPING RELOCATION: of sanitary lines, drains, and piping without new fixtures.</p> <p>Number of Hook-Ups & Relocations</p> <p>Hook-Up & Relocation Fee</p> <p>OR</p> <p>TRANSFER FEE [\$6.00]</p> | 5 | Hosebibb / Sillcock | 1 | Bathtub (and Shower) |
| | 3 | Floor Drain | 1, 6 | Shower (Separate) |
| | — | Urinal | 1, 7 | Sink |
| | — | Drinking Fountain | 1, 7 | Wash Basin |
| | — | Indirect Waste | 1, 7 | Water Closet (Toilet) |
| | — | Water Treatment Softener, Filter, etc, | 2 | Clothes Washer |
| | — | Grease / Oil Separator | — | Dish Washer |
| | — | Dental Cuspidor | — | Garbage Disposal |
| | — | Bidet | 2 | Laundry Tub |
| | — | Other: _____ | 2 | Water Heater |
| | 8 | Fixtures (Subtotal) Column 2 | 23 | Fixtures (Subtotal) Column 1 |
| | | | 8 | Fixtures (Subtotal) Column 2 |
| | | | 81 | Total Fixtures |
| | | | \$ | Fixture Fee |
| | | | \$ | Transfer Fee |
| | | | \$ | Hook-Up & Relocation Fee |
| | | | \$324. | Permit Fee (Total) |

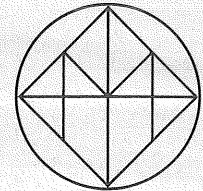
SEE PERMIT FEE SCHEDULE FOR CALCULATING FEE

April 10, 1995

Inspection Services
 City of Portland
 389 Congress Street
 Portland, Maine 04101

Attn: P. Samuel Hoffses, Chief

Re: 1300 Forest Ave., Portland

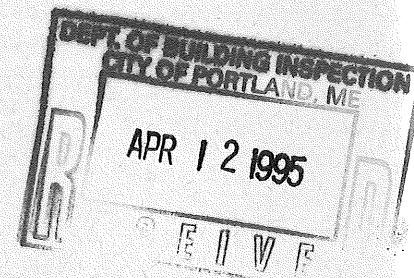


Granite Block
 Peterborough, NH 03458
 Tel 603-924-7279
 Fax 603-924-3297

Richard M. Monahon, Jr., AIA
 Donald R. Watson
 Duffy Monahon

Dear Mr. Hoffses:

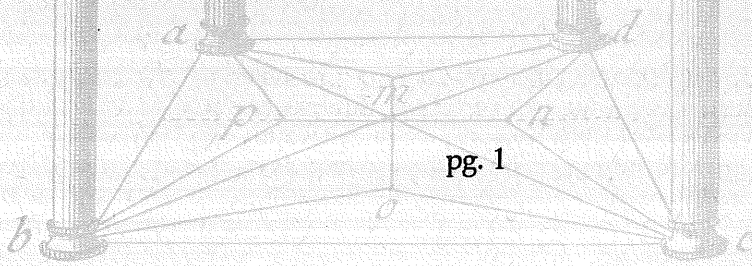
This letter is to follow up on our phone conversation today regarding the Apartments for the Disabled to be located at 1300 Forest Avenue in Portland. The following is an item by item response to your letter, which I hope will answer any questions you may have concerning code compliance. As we discussed, I believe that the correct building type classification should be Type 5B, which allows a gross floor area of 4800 square feet per building. The occupancy, R2, is permitted in this building type. Since all building areas are fully sprinklered, there is an allowable area increase of 200%, making the total allowable area equal to 14,400 square feet. The fire separation distance between Buildings A and B is 6 feet and the distance between B and C is 8 feet.



Item No. Response

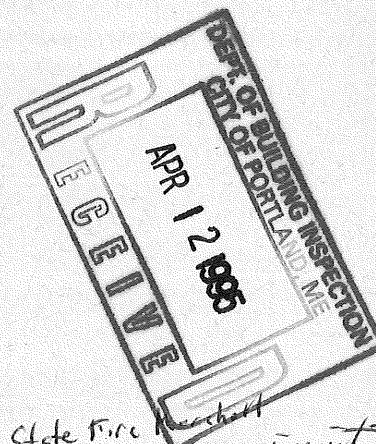
1. For building Type 5B, Table 602 does not set a minimum fire resistance rating. Rating is taken from Table 705.2
2. Table 705.3 lists building separations greater than 5' up to 10', with a sprinkler system, unprotected opening area of 25% of gross wall area is allowable. Gross wall area is 403 sq. ft., allowing up to 100 sq. ft. of unprotected wall openings. The single window located in these walls has a gross opening area of less than 25 sq. ft. and should be allowable as an unprotected opening.

Fig. 1B



3. In accordance with Section 705.2.3, a building with an automatic sprinkler system has its exterior wall fire resistance requirement reduced by 1 hr., which in this case makes the required rating 0. There is also an exception listed as part of Section 705.1 that states that exterior wall ratings for structures on the same lot shall not apply to buildings whose areas are such that if combined into one structure they would comply with area limitations established by Section 503.
4. In accordance with Section 711 and 713, Exceptions, Dwelling unit separations in Type 5B, fully sprinklered buildings, are required to have not less than 1/2 Hr rating. Our dwelling unit separation walls will have a 1 hr fire rating in accordance with UL Design No. U311
5. In type 5B construction, structural members, floor assemblies and roof assemblies have no minimum fire resistance rating.
6. Draftstopping will be installed at the top of all stud walls and in wood floor joist construction in accordance with Section 720.

Draftstopping at attic spaces is not required in fully sprinklered buildings; Section 720.7.2.1, Exception No. 3.
7. Insulation and vapor barriers shall conform to Section 722.
8. Addendum No. 3 to the Drawings and Specifications for this project clarified that the size of the incoming water main was to be 6".
9. Sprinkler System Design calls for fire department connection to be approved by local Fire Chief prior to installation.
10. Our plans currently call for installation of single station smoke detectors at all bedrooms, with heat detectors at basement areas and at each kitchen area.
11. Emergency exit windows are not required in fully sprinklered buildings. Section 1010.4, Exception 3. →
12. N/A : None required, no stairs this project.
13. Code requires a minimum STC rating of 45 for dwelling unit separations. The walls separating dwelling units in our project will have an STC rating of 50, in accordance with test No. BBN-760903



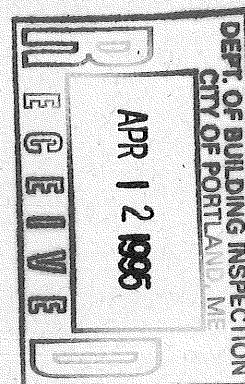
State Fire Marshall requirement?

- 14.&15 Roof trusses will be designed by engineer licensed in State of Maine, and will comply with all code mandated loading requirements.
- 16. Roof trusses will be manufactured by firm which maintains an agreement with an approved independent inspection or quality control agency to conduct periodic in-plant inspections at the fabrication plant. No other special inspections or tests are anticipated for this project.
- 17.thru 34 The MacMillin Company, Construction Manager for this project, has been made aware of these requirements and will take all appropriate steps to assure compliance.

Best regards,



Donald R. Watson, Architect
Richard M. Monahon Architects



CROTCHED MOUNTAIN

FOUNDATION

March 20, 1995

Mr. Sam Hoffses
Inspections & Zoning Enforcement
City of Portland, Maine
City Hall
389 Congress Street
Portland, Maine 04101
Subject: Project No 024-HD008-WPD
Forest Avenue / Portland, Maine

Dear Mr Hoffses:

Enclosed please find copies of the plans and specifications for Forest Avenue Apartment, housing for the disabled. I am sending them along at this time prior to actually filing for a building permit to hopefully expedite the review process. While I understand that normal practice would call for us to first obtain all of the sign-offs from Planning and pay for the building permit before you would review the plans, we are caught up in HUD paperwork.

We expect that we will have all of the paper work cleared up by Wednesday when the HUD construction closing is scheduled. The hold-up is getting HUD to agree to allow the City of Portland to be named on the bond so as to cover the site improvements. I have been working with Sarah Hopkins and Natalie Burns on this issue.

My problem is that we need to close with HUD to get the bond. The bond and the construction contracts must have the same effective date, and once we close we have ten days to start construction. The City needs the bond to issue the building permit and HUD wants the building permit to close.

If you have any questions, please feel free to call. I can be reached at Crotched Mountain Foundation (603) 547-3311 ext. 408 or 400.

Sincerely,



Philip Waterman
Project Consultant
Enc.



1 VERNEY DRIVE GREENFIELD, NEW HAMPSHIRE 03047 603-547-3311 FAX 603-547-6212

SUBSIDIARIES: CROTCHED MOUNTAIN REHABILITATION CENTER, INC. CROTCHED MOUNTAIN RESIDENTIAL SERVICES, INC. CROTCHED MOUNTAIN COMMUNITY CARE, INC.



Applicant: ^{owner} CMRS IV INC. / ^{contractor} MacMillin Co. Date: 3/31/95
Address: 1288 - 1300 Forest AVE
Assessors No.: 292-D-536

CHECK LIST AGAINST ZONING ORDINANCE

Date -

Zone Location - R-5

Interior or corner lot -

Use - Construct 3 Bldgs totaling 16 DU for physically disabled

Sewage Disposal - City

Rear Yards - 20' req. - 20'+ shown

Side Yards - 8' req. - 10'8" & 5'5" shown

Front Yards - 20' req. - 40'+ shown

Projections -

Height - (1 story shown)

Lot Area - 125,682 sq ft shown

Building Area -

Area per Family -

Width of Lot - ok

Lot Frontage - ok

Off-street Parking - $16 \times 1.5 = 24$ required - 24 shown

Loading Bays -

Site Plan - yes - approved (final) 3/31/95

Shoreland Zoning - N/A

Flood Plains - N/A

CITY OF PORTLAND, MAINE

PLANNING BOARD

Jadine R. O'Brien, Chair
Kenneth M. Cole III, Vice Chair
Joseph R. DeCoursey
Irving Fisher
Cyrus Hagge
John H. Carroll
Donna Williams

March 7, 1994

Phil Waterman
Crotched Mountain Foundation
1 Verney Drive
Greenfield, NH 03047

7,1300 Forest Ave

RE: Forest Avenue Apartments

Dear Mr. Waterman:

On February 8, 1994 the Portland Planning Board voted unanimously (7-0) on the following motions regarding the Forest Avenue apartments subdivision and site plan:

1. That the plan was in conformance with the Subdivision Ordinance of the City Land Use Code; and
2. That the plan was in conformance with the Site Plan Ordinance of the City Land Use Code with the following conditions:
 - i. that additional natural buffering be placed along the foundations of the northwesterly sides of the buildings;
 - ii. that the location of the sidewalk be agreed upon between the staff and applicant.

The approval is based on the submitted plan and the findings related to site plan review standards as contained in Planning Report #6-94, which is attached.

Please note the following provisions and requirements for all subdivision approvals:

1. Mylar copies of the construction drawing for the subdivision must be submitted to the Public Works Department prior to the release of the plat.
2. A performance guarantee covering the public improvements as well as an inspection fee payment of 1.7% of the guarantee amount must be submitted to and approved by the Planning Division and Public Works prior to the recording of the subdivision plat. The subdivision approval is valid for three (3) years.

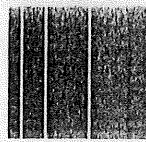
If there are any questions regarding the Board's actions, please contact the planning staff.

Sincerely,



Jadine O'Brien, Chair
Portland Planning Board

- cc: Joseph E. Gray, Jr., Director of Planning and Urban Development
- Alexander Jaegerman, Chief Planner
- Sarah Hopkins, Senior Planner
- P. Samuel Hoffses, Chief of Building Inspections
- William Giroux, Zoning Administrator
- George Flaherty, Director of Parks and Public Works
- John Rague, Principal Engineer
- Craig Carrigan, PE, Development Review Coordinator
- William Bray, Deputy Director of Parks and Public Works
- Jeff Tarling, City Arborist
- Paul Niehoff, Materials Engineer
- Natalie Burns, Associate Corporation Counsel
- It. Gaylen McDougall, Fire Prevention
- ✓ Louise Chase, Building Permit Secretary
- Approval Letter File



SebagoTechnics
Engineering & Planning for the Future

December 2, 1993
85291-3

Sarah Hopkins, Senior Planner
Planning & Urban Development
City of Portland
389 Congress Street
Portland, ME 04101

Site Plan Application, Forest Avenue Apartments, CMRS IV

Dear Sarah:

On behalf of Crotched Mountain Foundation, I am pleased to submit seven (7) copies of the site plan and application fee for the proposed 16-unit Forest Avenue apartment complex. Attached is a letter from David A. Jordan, President, which discusses the significance of this project.

As I discussed with you, these plans are preliminary. Owens McCullough and I look forward to meeting with you and Craig on December 8th to discuss the details of the plans and the stormwater management plan. This project is also simultaneously being presented to HUD by Crotched Mountain Foundation. We have included construction details for the project, but have not finalized specific materials on the site plan (i.e., curbing, walkway, paving, etc.). We anticipate completion of more definitive plans after the City's and HUD's initial review. We plan to submit to your office more finalized plans, along with architectural elevations, prior to the December 14th Planning Board workshop.

I will forward a written statement in accordance with Section 14-524(b)(2) next week. In the interim, if you have any questions, please feel free to call me.

Sincerely,

SEBAGO TECHNICS, INC.

Stephen G. Doe, R.L.A.
Landscape Architect

SGD:jc
Enc.

CROTCHED MOUNTAIN

FOUNDATION

November 29, 1993

Mr. Joseph Gray, Director
Planning & Urban Development
389 Congress Street
Portland, ME 04101

Dear Mr. Gray:

The enclosed materials pertain to Crotched Mountain Foundation's (CMF) application for preliminary site plan review of its proposed independent housing project for the handicapped to be located at ~~1289~~ Forest Avenue in the City of Portland.

1288-1310

This project is being developed under the HUD Section 811 program and is intended to provide permanent rental housing for physically disabled adults. It will consist of 16 apartments, 14 one-bedroom apartments and 2 two-bedroom apartments. All apartments are to be at grade level; the units are to be divided into three buildings with an internal courtyard.

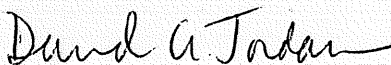
The targeted population for this project is the non-elderly physically handicapped individual who is capable of leading a self-directed independent life. From its other housing projects, CMF has observed that even very severely physically handicapped individuals can live independently given an apartment design that goes beyond being barrier free.

It must be noted that what we are proposing is an independent living apartment setting, **not** a group home or other type of congregate facility. This is an important distinction because the individuals who will reside in these units will be capable of leading self-directed and independent lives.

Enclosed is our check for \$700.00 to cover the application fee of \$300.00 for site plan review and \$25.00 for each of the 16 units.

If you have any questions, please feel free to contact our housing consultant. He or I may be reached at Crotched Mountain Foundation (603) 547-3311.

Sincerely,



David A. Jordan
President

em
Enclosures



1 VERNEY DRIVE GREENFIELD, NEW HAMPSHIRE 03047 603-547-3311 FAX 603-547-3232

MEMBERS: CROTCHED MOUNTAIN REHABILITATION CENTER, INC. CROTCHED MOUNTAIN RESIDENTIAL SERVICES, INC. CROTCHED MOUNTAIN COMMUNITY CARE, INC.



SITE PLAN REVIEW

Processing Form

Applicant Crotched Mountain Residential Services, Inc. 1288-1300 Date Dec 2, 1993

Mailing Address CMRS IV 1 Verney Dr. Greenfield, NH 03047 ~~1289~~ Forest Ave.

Proposed Use of Site 3 structures-16 units-Housing physically disabled Address of Proposed Site 292-D-6 and 5

Acreage of Site 2 acres / 2330-3898 & 4913 Site Identifier(s) from Assessors Maps R-5

Zoning of Proposed Site

Site Location Review (DEP) Required: () Yes () No Proposed Number of Floors one

Board of Appeals Action Required: () Yes () No Total Floor Area 11,141

Planning Board Action Required: (x) Yes () No

Other Comments: Major Site Plan and Subdivision

Date Dept. Review Due: _____

ENGINEERING
PPW Blue Copy

BUILDING DEPARTMENT SITE PLAN REVIEW
(Does not include review of construction plans)

Plans in file cabinet

Use does NOT comply with Zoning Ordinance

- Requires Board of Appeals Action
- Requires Planning Board/City Council Action

Explanation _____

Use complies with Zoning Ordinance — Staff Review Below

Zoning: SPACE & BULK, as applicable

| | DATE | ZONE LOCATION | INTERIOR OR CORNER LOT | 40 FT. SETBACK AREA (SEC. 21) | USE | SEWAGE DISPOSAL | REAR YARDS | SIDE YARDS | FRONT YARDS | PROJECTIONS | HEIGHT | LOT AREA | BUILDING AREA | AREA PER FAMILY | WIDTH OF LOT | LOT FRONTAGE | OFF-STREET PARKING | LOADING BAYS | |
|------------------------|------|---------------|------------------------|-------------------------------|-----|-----------------|------------|------------|-------------|-------------|--------|----------|---------------|-----------------|--------------|--------------|--------------------|--------------|----------------------------|
| COMPLIES | | | | | | | | | | | | | | | | | | | |
| COMPLIES CONDITIONALLY | | | | | | | | | | | | | | | | | | | CONDITIONS SPECIFIED BELOW |
| DOES NOT COMPLY | | | | | | | | | | | | | | | | | | | REASONS SPECIFIED BELOW |

REASONS: _____

Sarah Hopkins 3/31/95
SIGNATURE OF REVIEWING STAFF/DATE

**SITE PLAN REVIEW
Processing Form**

Crotched Mountain Residential Services, Inc. 1288-1300 Dec 2, 1993
 Applicant CMRS IV 1 Verney Dr. Greenfield, NH 03047 Forest Ave.
 Mailing Address Address of Proposed Site
3 structures-16 units-Housing physically disabled 292-D-6 and 5
 Proposed Use of Site Site Identifier(s) from Assessors Maps
2 acres 2330-3898 & 4913 R-5
 Acreage of Site / Ground Floor Coverage Zoning of Proposed Site

Site Location Review (DEP) Required: () Yes () No Proposed Number of Floors one
 Board of Appeals Action Required: () Yes () No Total Floor Area 11,141
 Planning Board Action Required: (x) Yes () No

Other Comments: Major Site Plan and Subdivision
 Date Dept. Review Due: _____

*PLANNING
Yellow Copy*

~~BUILDING DEPARTMENT SITE PLAN REVIEW~~
 (Does not include review of construction plans)

Plan in file cabinet

- Use does NOT comply with Zoning Ordinance
 - Requires Board of Appeals Action
 - Requires Planning Board/City Council Action



Explanation _____

- Use complies with Zoning Ordinance — Staff Review Below

Zoning:
SPACE & BULK,
as applicable

| | DATE | ZONE LOCATION | INTERIOR OR CORNER LOT | 40 FT. SETBACK AREA (SEC. 21) | USE | SEWAGE DISPOSAL | REAR YARDS | SIDE YARDS | FRONT YARDS | PROJECTIONS | HEIGHT | LOT AREA | BUILDING AREA | AREA PER FAMILY | WIDTH OF LOT | LOT FRONTAGE | OFF-STREET PARKING | LOADING BAYS | | |
|------------------------|------|---------------|------------------------|-------------------------------|-----|-----------------|------------|------------|-------------|-------------|--------|----------|---------------|-----------------|--------------|--------------|--------------------|--------------|--|----------------------------|
| COMPLIES | | | | | | | | | | | | | | | | | | | | |
| COMPLIES CONDITIONALLY | | | | | | | | | | | | | | | | | | | | CONDITIONS SPECIFIED BELOW |
| DOES NOT COMPLY | | | | | | | | | | | | | | | | | | | | REASONS SPECIFIED BELOW |

REASONS: _____

Sub Hopkins 3/31/95

SIGNATURE OF REVIEWING STAFF/DATE

MAJOR SITE PLAN
CITY OF PORTLAND, MAINE
SITE PLAN REVIEW
Processing Form

Applicant Crotched Mountain Residential Services, Inc. Date Dec 2, 1993
1288 1200
Mailing Address CMRS IV 1 Verney Dr. Greenfield, NH 03047 Address of Proposed Site Forest Ave.
3 structures-16 units-housing physically disabled 292-D-6 and 5
Proposed Use of Site 2 acres / 330-3898 & 4913 Site Identifier(s) from Assessors Maps R-5
Acreage of Site / Ground Floor Coverage _____ Zoning of Proposed Site _____

Site Location Review (DEP) Required: () Yes () No Proposed Number of Floors one
Board of Appeals Action Required: () Yes () No Total Floor Area 11,141
Planning Board Action Required: (X) Yes () No

Other Comments: Major Site Plan and Subdivision

Date Dept. Review Due: _____

FIRE DEPARTMENT REVIEW

12/2/93
(Date Received)

*ENGINEERING
PRO*

| | ACCESS TO SITE | ACCESS TO STRUCTURES | SUFFICIENT VEHICLE TURNING ROOM | SAFETY HAZARDS | HYDRANTS | SIAMESE CONNECTIONS | SUFFICIENCY OF WATER SUPPLY | OTHER | |
|------------------------|----------------|----------------------|---------------------------------|----------------|----------|---------------------|-----------------------------|-------|----------------------------|
| APPROVED | | | | | | | | | |
| APPROVED CONDITIONALLY | | | | | | | | | CONDITIONS SPECIFIED BELOW |
| DISAPPROVED | | | | | | | | | REASONS SPECIFIED BELOW |

REASONS: Access to building B limited

(Attach Separate Sheet if Necessary)

SIGNATURE OF REVIEWING STAFF/DATE

FIRE DEPARTMENT COPY

MAJOR SITE PLAN
CITY OF PORTLAND, MAINE

SITE PLAN REVIEW

Processing Form

Applicant Crotched Mountain Residential Services, Inc. 1288-1300 Date Dec 2, 1993
 Mailing Address CMRS IV 1 Verney Dr. Greenfield, NH 03047 ~~1289~~ Forest Ave.
 Proposed Use of Site 3 structures-16 units-Housing physically disabled Address of Proposed Site 292-D-6 and 5
 Acreage of Site 2 acres / 2330-3898 & 4913 Site Identifier(s) from Assessors Maps R-5
Zoning of Proposed Site

Site Location Review (DEP) Required: () Yes () No Proposed Number of Floors one
 Board of Appeals Action Required: () Yes () No Total Floor Area 11,141
 Planning Board Action Required: (x) Yes () No

Other Comments: Major Site Plan and Subdivision

Date Dept. Review Due: _____

BUILDING DEPARTMENT SITE PLAN REVIEW

(Does not include review of construction plans)

Plans in file cab

- Use does NOT comply with Zoning Ordinance
 - Requires Board of Appeals Action
 - Requires Planning Board/City Council Action

Explanation _____

Use complies with Zoning Ordinance — Staff Review Below

Zoning: SPACE & BULK, as applicable

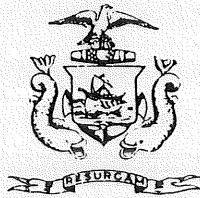
| | DATE | ZONE LOCATION | INTERIOR OR CORNER LOT | 40 FT. SETBACK AREA (SEC. 21) | USE | SEWAGE DISPOSAL | REAR YARDS | SIDE YARDS | FRONT YARDS | PROJECTIONS | HEIGHT | LOT AREA | BUILDING AREA | AREA PER FAMILY | WIDTH OF LOT | LOT FRONTAGE | OFF-STREET PARKING | LOADING BAYS | |
|------------------------|----------------|---------------|------------------------|-------------------------------|-----|-----------------|------------|------------|-------------|-------------|--------|----------|---------------|-----------------|--------------|--------------|--------------------|--------------|----------------------------|
| COMPLIES | <u>3/31/95</u> | <u>RS</u> | | | | | | | | | | | | | | | | | |
| COMPLIES CONDITIONALLY | | | | | | | | | | | | | | | | | | | CONDITIONS SPECIFIED BELOW |
| DOES NOT COMPLY | | | | | | | | | | | | | | | | | | | REASONS SPECIFIED BELOW |

REASONS: ok - RS 3/31/95

SIGNATURE OF REVIEWING STAFF/DATE

BUILDING DEPARTMENT—ORIGINAL

Inspection Services
P. Samuel Hoffses
Chief



Planning and Urban Development
Joseph E. Gray Jr.
Director

March 31, 1995

CITY OF PORTLAND

RE 1300 Forest Ave., Portland

Crotched Mountain
1300 Forest Avenue
Portland, ME 04103

Dear Sir:

Your application to construct three buildings, R-2 (total units 16), has been reviewed and a permit is herewith issued subject to the following requirements: This permit does not excuse the applicant from meeting applicable State and Federal laws.

No Certificate of Occupancy will be issued until all requirements of this letter are met.

Site Plan Review Requirements

Approved with conditions. See attached site plan requirements on the attached Planning Board sheet.

| Use Group R-2 | Bldg/Fire Code Requirements | Type 5A |
|---------------|-----------------------------|---------|
|---------------|-----------------------------|---------|

Approved with conditions:

1. The fire resistance rating of the exterior wall (non load bearing walls) buildings A and C between bldg. B must be one hour, TBL. 602
2. Exterior wall openings in buildings A and C between bldg. B must meet the requirements of table 705.3.
3. Exterior wall required to be fire resistance rated by Sec. 705.2 because of fire separation distance, shall be continuous from foundation to not less than 30 inches above the roof surface, Section 705.6
4. Dwelling unit separations shall have a fire resistance rating of one hour, TBL.602
5. The fire resistance rating of structural members and assemblies shall comply with the requirements for the type of construction and shall not be less than the rating required for the fire resistance rated assemblies supported, section 715.0
6. Firestopping and draftstopping shall comply with section 720.0.
7. Thermal and sound insulating material shall comply with section 722.0.
8. Fire hydrants installed on private property shall be located and installed as directed by the Fire Department. Hydrants shall conform to the standards of the Administrative authority and the Fire Department. Hydrants shall not be installed on a water main less than six inches in diameter, section 916.0

9. All required water fire-extinguished systems shall be provided with fire department connection in accordance with applicable standards, section 915.0
10. Single or multiple station smoke detectors shall be installed and maintained in all occupancies in Use Group R-2 at the following locations: section 919.3.2
 1. In the immediate vicinity of bedrooms.
 2. In each story within a dwelling unit.
 3. In all bedrooms, (exceptions, not needed in bedrooms if building is equipped throughout with an automatic sprinkler system).

In addition to the required AC primary power source, required smoke detectors shall receive power from a battery when the AC primary power source is interrupted. (In buildings equipped throughout with an automatic sprinkler system, back-up not needed).

11. Emergency escape for sleeping room shall comply with section 1010.4.
12. Guards and handrails shall comply with sections 1021, and 1022.
13. Airborne noise and structural-borne sound shall comply with sections 1214.2 and 1214.3.
14. All roofs and roof covering shall comply with section 1505.
15. These proposed structures shall comply with sections 1609.0 roof loads, 1610.0 snowloads, 1611.0 windloads 1612.0 earthquake loads.
16. Special inspection shall be provided by the owner and shall be qualified in the areas specified under section 1705.
17. All lumber utilized for load-supporting purposes, shall be identified by the grade mark of an approved lumber grading or an approved inspection agency, section 2303.1.1.
18. All wood from construction shall be done in accordance with section 2305.0.
19. Where protection of wood members is required because of exposure to soil or weather, protection shall be provided by using naturally durable or preservative-treated wood as required under section 2311.0.
20. Roof trusses shall be designed in accordance with TPT design specifications for metal plate connected wood trusses and NFPA NDS. section 2313.3.1.
21. Safety glazing shall be in accordance with section 2405.0.
22. A 4" storz fire department connection is required.
23. Any new sprinkler construction over 6 sprinkler heads needs to have State Fire Marshal approval.
24. Any renovations of sprinkler systems over 20 sprinkler heads needs to have State Fire Marshal approval.
25. A sprinkler performance test shall be submitted to the Portland Fire Department after completion of sprinkler work.
26. All required fire alarm systems shall have the capability of "Zone Disconnect" via switches or key pad program provided the method is approved by the Fire Prevention Bureau.
27. All remote annunciators shall have a visible "trouble" indicator along with the Fire Alarm "Zone" indicators.
28. Any master box connected to the Municipal Fire Alarm System shall have a supervised Municipal Disconnect Switch.

29. All master box locations shall be approved by the Fire Department Director of Communications. A master box shall be located so that the center of the box is (5') five feet above finished floor.
30. All master box locations are required to have a locked box (knoxbox).
31. A fire alarm acceptance report shall be submitted to the Portland Fire Department.
32. Apartment smoke detectors shall have battery back-up.
33. The required fire alarm system shall be connected to the city masterbox system or an approved central station.
34. If connecting to the master box system contact Stan LaCour(874-8576) for the required master box connection.

If you have any questions regarding these requirements, please do not hesitate to contact this office.

Sincerely,


P. Samuel Hoffses
Chief of Inspection Services

/el

cc IT. Gaylen McDougall, Fire Prevention Officer
Sarah Hopkins, Senior Planner
Jim Seymour, Planning
Marge Schmuckal, Asst. Chief of Inspection Services

**BOCA®
NATIONAL BUILDING CODE
PLAN REVIEW RECORD**

Valuation: _____

Plan Review # _____

Fee: _____

Date: 25/mar/95

JURISDICTION City of Portland, Me.

(City, County, Township, etc.) "

BUILDING LOCATION 1300 Forest Ave USE Group R-2 Type 5A
(Street address)

BUILDING DESCRIPTION Forest Ave. BPT. HAND PROJECT 3 Bldgs.
Bldg "A" 4 APT. Bldg "B" 6 APT Bldg "C" 6 APT. (HANDICAPPED UNITS)

REVIEWED BY Hoffses, P.S.

Numerals indicated in parenthesis are applicable code sections of the 1993 BOCA National Building Code. The organization of this Plan Review Record follows the common Building Code format implemented in the 1993 BOCA National Building 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. 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. | The Fireresistance rating of the EXTERIOR WALL (NONLOADBEARING WALLS) BLDGS A and C BETWEEN BLDG B MUST BE 1HR. | Tbl. 602 |
| 2 | EXTERIOR WALL OPENINGS IN BLDGS A and C BETWEEN BLDG B MUST MET THE REQUIREMENTS OF TABLE 705.3. | Tbl. 705.3 |
| 3 | EXTERIOR WALLS REQUIRED TO BE FIRERESISTANCE RATED BY SEC 705.2 BECAUSE OF FIRE SEPARATION DISTANCE, SHALL BE CONTINUOUS FROM FOUNDATION TO NOT LESS THAN 30 INCHES ABOVE THE ROOF SURFACE. | 705.2 |
| 4. | DWELLING UNIT SEPARATIONS SHALL HAVE A FIRE RESISTANCE RATING OF ONE HOUR. | Tbl. 602 |
| 5. | THE FIRERESISTANCE RATING OF STRUCTURAL MEMBERS AND ASSEMBLIES SHALL COMPLY WITH THE REQUIREMENTS FOR THE TYPE OF CONSTRUCTION AND SHALL NOT BE LESS THAN | 715.1 |



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**BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL, INC.
4051 W. FLOSSMOOR ROAD COUNTRY CLUB HILLS, ILLINOIS 60478-5795**

CORRECTION LIST (cont'd.)

| No. | DESCRIPTION | Code Section |
|-----|---|--------------|
| 5 | The rating required for the fire resistance rated assemblies supported, | 715.0 |
| 6. | Firestopping and draftstopping shall comply with section 720.0. | 720.0 |
| 7. | Thermal and sound-insulating material shall comply with section 722.0. | 722.0 |
| 8. | Fire hydrants installed on private property shall be located and installed as directed by the fire department. Hydrants shall conform to the standards of the adm. authority and the fire dept. Hydrants shall not be installed on a water main less than 6 inches in diameter. | 916.0 |
| 9. | All required water fire-extinguished systems shall be provided with fire dept. connection in accordance with applicable standards. | 915.0 |
| 10. | <p>Single or multiple-station smoke detectors shall be installed and maintained in all occupancies in use Group B-2 at the following locations,</p> <ol style="list-style-type: none"> 1. In the immediate vicinity of bedrooms. 2. In each story within a dwelling unit. 3. In all bedrooms, (exceptions not needed in bedrooms if building is equipped throughout with an automatic sprinkler system). <p>In addition to the required AC primary power source, required smoke detectors shall receive power from a battery when the AC primary power source is interrupted. (In bldgs. equipped throughout with an automatic sprinkler system back-up not needed).</p> | 919.3.2 |
| 11. | Emergency escape for sleeping room shall comply with section 1010.4 | |

CORRECTION LIST (cont'd.)

| No. | DESCRIPTION | Code Section |
|-----|--|--------------------------------------|
| 12 | Guards and Handrails shall comply with sections 1021, 1022. | 1021 1022 |
| 13 | Air-borne noise and structural-borne sound shall comply with sections 1214.2 & 1214.3. | 1214.2 1214.3 |
| 14 | ALL roofs and roof covering shall comply with section 1505. | 1505 |
| 15 | These proposed structures shall comply with sections 1609.0 roof loads, 1610.0 snow loads, 1611.0 wind loads 1612.0 earthquake loads | 1609.0 1610.0 1611.0 1612.0 |
| 16 | Special Inspection shall be provided by the owner and shall be qualified in the areas specified under section 1705. | 1705 |
| 17 | ALL Lumber utilized for load-supporting purposes, shall be identified by the grade mark of an approved lumber grading or an approved inspection agency. | 2303.1.1 |
| 18 | ALL wood frame construction shall be done in accordance with section 2305.0. | 2305.0 |
| 19 | Where protection of wood members is required because of exposure to soil or weather, protection shall be provided by using naturally durable or preservative-treated wood as required under the section. | 2311.0 |
| 20 | Roof-Trusses shall be designed in accordance with TPI Design Specifications for Metal Plate Connected Wood Trusses and NFOPA NDS. | 2313.3.1 |
| 21 | Safety Glazing shall be accordance with section 2405.0. | 2405 |

NOTES: N.R. — Not required
N.A. — Not applicable

ADMINISTRATION (Chapter 1)

OK. Complete construction documents (107.5, 107.6, 107.7) OK. Signed/sealed construction documents (107.7, 114.1)

BUILDING PLANNING (Chapters 3, 4, 5, 6)

USE OR OCCUPANCY CLASSIFICATION (302.0-313.0)

A-2 Single Use Group N.A. Specific occupancy areas (302.1.1)
N.A. Mixed Use Groups N.A. Accessory areas (302.1.2)

GENERAL BUILDING LIMITATIONS (Chapters 5 & 6)

Building height 1 Story, feet (502.0) Allowable building height 3ST. 40' Story, feet (Table 503, 504.0)

AREA MODIFICATIONS TO TABLE 503

| | |
|---|--|
| % of Allowable tabular area (Table 503) | <u>100%</u> |
| % Reduction for height (Table 506.4) | <u>- 0%</u> |
| % Increase for open perimeter (506.2) | <u>+ 37.2%</u> |
| % Increase for automatic sprinklers (506.3) | <u>+ 200%</u> |
| Total percentage factor | <u>= 337.2%</u> |
| Conversion factor | <u>$\frac{337.2}{100} = 3.37$</u> (Total percentage factor/100%) |

ⁿ TOTAL OF ALL BLDG

| Open perimeter (506.2) | North | East | South | West |
|---|-------|------|-------|------|
| Open perim. <u>360</u> ft. | | | | |
| Perimeter <u>826</u> ft. | | | | |
| % Open perimeter = $\frac{360}{826} \times 100 = 43.58$ (Open perim./perim.) × 100% | | | | |
| % Tab. area increase = $\frac{2 \times 43.58}{2 \times (\% \text{ Open perim.} - 25\%)} = 37.16$ (506.2) | | | | |

Determine whether the building is a single occupancy building or a mixed occupancy building. If a single occupancy or mixed occupancy with nonseparated use groups (313.1.1), fill in Case I worksheet (below). If a mixed occupancy with separated use groups (313.1.2), fill in Case II worksheet (next page).

CASE I — SINGLE USE OR MIXED USE NONSEPARATED USE GROUPS

A = ~~2550~~ 10,502
B = ~~3952~~
C = ~~4060~~
~~10,502~~

Enter Table 503 with the single use group or most restrictive use group of the mixed use classification and find the minimum construction classification providing a tabular area equal to or greater than the adjusted tabular area.

Actual floor area 10,502 ft.² Minimum type of construction required 3B
(313.1.1, 503.1)
Adjusted tabular area* 3116.3 ft.² Type of construction assumed for review 5A
(602.2, 602.3)

* Actual floor area/conversion factor

CASE II — MIXED USE SEPARATED USE GROUPS

Enter Table 503 and find the minimum construction classification providing tabular areas which result in the sum of the ratios of the adjusted tabular area divided by the tabular area for each use group being a maximum of 1.00.

Actual floor area _____ Use NA ft.²
 _____ Use NA ft.²
 Adjusted tabular area* _____ Use NA ft.²
 _____ Use NA ft.²

*Actual floor area/conversion factor

$\Sigma \frac{\text{Adjusted tabular area}}{\text{Tabular area}} = \frac{\text{NA}}{\text{NA}} + \frac{\text{NA}}{\text{NA}} = \text{NA}$

Minimum type of construction required (313.1.2, 503.1) NA
 Type of construction assumed for review (602.2, 602.3) _____

UNLIMITED AREA ONE-STORY BUILDINGS

NA Use group classification (507.1) NA High-hazard use groups (507.1.2)
 _____ Building height (story, feet) (507.1) _____ North _____ East _____ South _____ West
 _____ Type of construction (507.1) _____ Fire separation distance (507.2) NA _____
 _____ Automatic sprinkler system (507.1, 904.11) _____ Exterior wall rating (507.2) _____
 _____ School buildings (507.1.1) _____ Opening protectives (507.2.1) _____

MEZZANINES

NA Area limitation (505.2) NA Openness (505.4)
 _____ Egress (505.3) _____

SPECIAL USE AND OCCUPANCY (Chapter 4)

COVERED MALL BUILDINGS

NA Tenant separations (402.4) _____ Alternative modifications (403.3)
NA Egress (402.5) _____ Automatic fire detection (403.4)
 _____ Mall width (402.6) _____ Voice/alarm signaling (403.5)
 _____ Structural elements (402.7) _____ Fire department communication (403.6)
 _____ Roof coverings (402.8) _____ Fire command station (403.7)
 _____ A-1, A-2 occupancy (402.9) _____ Elevators (403.8)
 _____ Automatic sprinkler system (402.10) NA Standby systems (403.9)
 _____ Standpipes (402.11) _____ Stairway doors (403.10)
 _____ Smoke control (402.12) _____
 _____ Fire department access (402.13) _____
 _____ Kiosk requirements (402.15) _____
 _____ Parking structures (402.16) _____

ATRIUMS

HIGH-RISE BUILDINGS

NA Automatic sprinkler system (403.2) _____ Automatic sprinkler system (404.2)
 _____ Occupancy (404.3)
 _____ Smoke control (404.4)
 _____ Enclosure (404.5)
 _____ Fire protective signaling (404.6)
 _____ Travel distance (404.7)

OTHER SPECIAL USE AND OCCUPANCY

| | |
|-------------|---------------------------------|
| <u>N.A.</u> | Underground structures (405.0) |
| | Open parking structures (406.0) |
| | Private garages (407.0) |
| | Public garages (408.0) |
| | Use Group I-2 (409.0) |
| | Use Group I-3 (410.0) |

| | |
|-------------|--|
| <u>N.A.</u> | Stages and platforms (412.0) |
| | Special amusement buildings (413.0) |
| | HPM facilities (416.0) |
| | Hazardous materials (417.0) |
| | Use Groups H-1, H-2, H-3 and H-4 (418.0) |
| | Swimming pools (421.0) |

FIRE PROTECTION (Chapters 6, 7, 8, 9)

FIRERESISTANT MATERIALS AND CONSTRUCTION (Chapter 7 and Table 602)

Note: Entry in indicates required rating in hours. NC indicates noncombustible construction.

EXTERIOR WALLS (705.0, 715.5)

| | North | East | South | West |
|-------------------------------------|---|-------------------------------------|--------------------------|--------------------------|
| Fire separation distance | <u>BLDG-C - East wall</u> <u>BLDG-A - North wall</u> | | | |
| Loadbearing | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Nonloadbearing | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | Exterior opening protectives (705.3, 706.0) | | | |
| <input checked="" type="checkbox"/> | Parapet walls (705.6) | | | |

FIRE SEPARATION ASSEMBLIES

| | | |
|--------------------------|-------------|---|
| <input type="checkbox"/> | <u>OK</u> | Exit enclosures (1014.11, 709.0) |
| <input type="checkbox"/> | <u>OK</u> | Other shafts (709.0, 710.0) |
| <input type="checkbox"/> | <u>D.A.</u> | Mixed use and fire area separations (313.1.2) |
| <input type="checkbox"/> | <u>N.A.</u> | Other separation assemblies (Table 602) |

FIRE PARTITIONS

| | | |
|-------------------------------------|-------------|-----------------------------------|
| <input type="checkbox"/> | <u>N.A.</u> | Exit access corridors (1011.4) |
| <input type="checkbox"/> | <u>NA</u> | Tenant separations (711.0) |
| <input checked="" type="checkbox"/> | | Dwelling unit separations (711.0) |

OTHER FIRERESISTANT CONSTRUCTION

| | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Fire and party walls (707.0 and Table 707.1) |
| <input type="checkbox"/> | <u>N.A.</u> Smoke barriers (712.0) |
| <input checked="" type="checkbox"/> | Nonloadbearing partitions (Table 602) |
| <input checked="" type="checkbox"/> | Interior loadbearing walls, columns, girders, trusses (715.0) |
| <input checked="" type="checkbox"/> | Structural wall supports (715.0) |
| <input type="checkbox"/> | Floor construction (713.0, 1006.3.1) |
| <input checked="" type="checkbox"/> | Roof construction (713.0, 714.0) |
| <input checked="" type="checkbox"/> | Opening protectives (716.0, 717.0, 718.0, 719.0) |
| <input checked="" type="checkbox"/> | Firestopping/draftstopping (720.0) |
| <input checked="" type="checkbox"/> | Thermal and sound-insulating materials (722.0) |

INTERIOR FINISHES

| | |
|-------------------------------------|-----------------------------|
| <input checked="" type="checkbox"/> | Smoke development (803.3.2) |
| <input checked="" type="checkbox"/> | Flame spread (803.4) |
| <input checked="" type="checkbox"/> | Application (804.0) |

FIRE PROTECTION SYSTEMS (Chapter 9)

FIRE SUPPRESSION SYSTEMS (Where required)

| | |
|-------------|---|
| <u>N.A.</u> | Assembly (A-1, A-3, A-4) (904.2) |
| <u>N.A.</u> | Assembly (A-2) (904.3) |
| <u>N.A.</u> | Educational (E) (904.4) |
| <u>N.A.</u> | High-hazard (H) (904.5) |
| <u>N.A.</u> | Institutional (I) (904.6) |
| <u>N.A.</u> | Mercantile (M), Moderate-hazard storage (S-1), Factory and Industrial (F-1) (904.7) |
| <u>N.A.</u> | Residential (R-1) (904.8) |
| <u>N.A.</u> | Residential (R-2) (904.9) |
| <u>N.A.</u> | Windowless story (904.10) |
| | Specific occupancy areas (302.1.1) |
| | Covered mall buildings (402.10) |
| | High-rise buildings (403.2) |
| | Atriums (404.2) |
| | Underground structures (405.3) |
| | Public garages (408.3.1) |
| | Sound stages (411.7) |
| | Stages and enclosed platforms (412.6) |
| | Special amusement buildings (413.4) |
| | HPM facilities (416.4) |
| | Paint spray booths and storage rooms (419.3) |
| | Unlimited area buildings (507.1) |
| | Exit lobbies (1020.3) |
| | Drying rooms (2806.4) |
| | Waste- and linen-chutes/termination rooms (2807.6) |
| | Refuse vaults (2808.4) |

FIRE SPRINKLER SYSTEMS

| | |
|-------------|----------------------------|
| <u>N.A.</u> | NFiPA 13 system (906.2.1) |
| | NFiPA 13R system (906.2.2) |
| | NFiPA 13D system (906.2.3) |
| | Design (906.3) |
| | Actuation (906.4) |
| | Sprinkler alarms (906.5) |
| | Sprinkler riser (906.7) |

LIMITED AREA SPRINKLER SYSTEMS

| | |
|-------------|------------------------------|
| <u>N.A.</u> | Where permitted (907.2) |
| | Design (907.3) |
| | Actuation (907.4) |
| | Standpipe connection (907.6) |
| | Domestic supply (907.6.1) |
| | Cross connection (907.6.2) |
| | Shutoff valve (907.6.3) |

OTHER SUPPRESSION SYSTEMS

| | |
|-------------|---|
| <u>N.A.</u> | Water-spray fixed systems (908.0) |
| | Carbon dioxide extinguishing systems (909.0) |
| | Dry-chemical extinguishing systems (910.0) |
| | Foam-extinguishing systems (911.0) |
| | Halogenated extinguishing systems (912.0) |
| | Wet-chemical range hood extinguishing systems (913.0) |

STANDPIPE SYSTEMS

- N/A Building height (914.2.1)
- Building area (914.2.2)
- Malls (914.2.3)
- Stages (412.7)
- Approved system (914.3, 914.3.1)
- Piping design (914.4)
- Water supply (914.5)
- Control valves (914.6)
- Hose connection (914.7)

FIRE DEPARTMENT CONNECTIONS

- i Required (915.1)
- c Connections (915.2)

YARD HYDRANTS

- ✓ Fire hydrants (916.1)

FIRE PROTECTIVE SIGNALING SYSTEMS

- N/A Approval (917.3)
- Assembly (A-4), Educational (E) (917.4.1)
- Business (B)(917.4.2)
- High-hazard (H) (917.4.3)
- Institutional (I) (917.4.4)
- Residential (R-1) (917.4.5)
- Residential (R-2) (917.4.6)
- Location/details (917.5)
- Power supply/wiring (917.6, 917.7)
- Alarm-indicating appliances (917.8)
- Voice/alarm signaling system (917.9)

AUTOMATIC FIRE DETECTION SYSTEMS

- ✓ Approval (918.3)
- Institutional (I) (918.4.1, 918.4.2, 918.4.3)
- Residential (R-1) (918.4.4)
- Sprinklered buildings exception (918.5)
- Zones (918.6)

SINGLE- AND MULTIPLE-STATION SMOKE DETECTORS

- N/A Residential (R-1) (919.3.1)
- ✓ Residential (R-2, R-3) (919.3.2)
- Institutional (I-1) (919.3.3)
- Interconnection (919.4)
- Battery backup (919.5)

FIRE EXTINGUISHERS

- N/A Approval (920.1)
- 1 Required (920.2)

SMOKE CONTROL SYSTEMS

- N/A Passive system (921.2.1)
- Mechanical system (921.2.2)
- Activation (921.4)
- Standby power (921.5)

SMOKE AND HEAT VENTS

- N/A Size and spacing (922.2)

SUPERVISION

- N/A Fire suppression systems (923.1)
- Fire protective signaling systems (923.2)

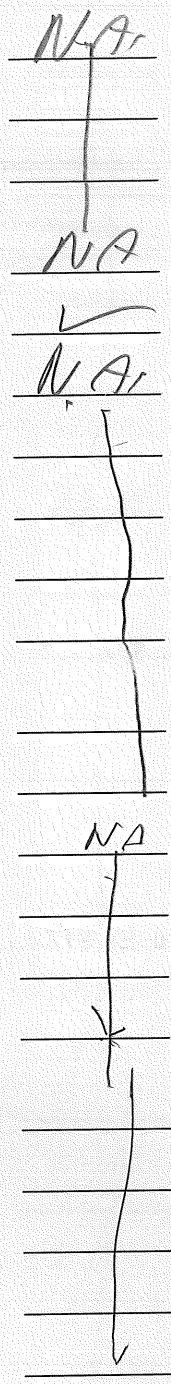
OCCUPANT NEEDS (Chapters 10, 11, 12)

MEANS OF EGRESS (Chapter 10)

OCCUPANT LOAD (1008.0 and Table 1008.1.2)

| Location | Floor Area | Sq. ft./person (Table 1008.1.2) | Occt. load (Table 1008.1.2) | Other occt. loads (1008.1.1, 1008.1.3, 1008.1.4, 1008.1.6) | Total |
|----------|------------|---------------------------------|-----------------------------|--|-------|
| | | | | | |
| | | | | | |
| | N.A. | | | | |
| | | | | | |
| | | | | | |

- General limitations (1005.0)
- Types and location of egress (1006.0)
- Exit access travel distance (1006.5 and Table 1006.5)
- Accessible means of egress (1007.0)
- Emergency escape (1010.4)
- Exit access corridors (1011.0)
- Aisles and accessways (1012.0)
- Grandstands (1013.0)
- Interior stairways (1014.1 - 1014.11)
- Exterior stairways (1014.1 - 1014.10, 1014.12)
- Smokeproof enclosures (1015.0)
- Ramps (1016.0)
- Means of egress doorways (1017.0)
- Revolving doors (1018.0)
- Horizontal exits (1019.0)
- Level of exit discharge passageway (1020.0)
- Guards (1021.0)
- Handrails (1022.0)
- Exit signs and lights (1023.0)
- Means of egress lighting (1024.0)
- Access to roof (1027.0)



CAPACITY OF EGRESS COMPONENT (1009.0 and Table 1009.2)

Egress width (inch/occupant)

| Location | Stairways | Doors/ramps corridors |
|----------|-----------|-----------------------|
| | | |
| | N.A. | |
| | | |
| | | |

NUMBER OF EXITS (1010.0)

| Location | Required | Shown |
|----------|----------|-------|
| | | |
| | N.A. | |
| | | |
| | | |

STATE Law
ACCESSIBILITY (Chapter 11)

| | |
|-----------------------------------|--|
| _____ Required (1103.0) | _____ Accessible entrances (1106.0) |
| _____ Accessible route (1104.0) | _____ Special use groups (1107.0) |
| _____ Parking facilities (1105.0) | _____ Features and facilities (1108.0) |

INTERIOR ENVIRONMENT (Chapter 12)

| | |
|--------------------------------|--|
| _____ Room dimensions (1204.0) | _____ Air-borne noise (STC) (1214.2) |
| _____ Roof spaces (1210.1) | _____ Structure-borne sound (IIC) (1214.3) |
| _____ Crawl spaces (1210.2) | _____ Ratproofing (1215.0) |

BUILDING ENVELOPE (Chapters 14, 15)

EXTERIOR WALL COVERINGS (Chapter 14)

| | |
|---|--|
| _____ Wall sidings and veneers (1404.0, 1405.0) | _____ Combustible material restrictions (1406.0) |
|---|--|

ROOFS AND ROOF STRUCTURES (Chapter 15)

| | |
|---|--------------------------------|
| _____ Roof coverings (1505.0, 1506.0, 1507.0) | _____ Roof structures (1510.0) |
|---|--------------------------------|

STRUCTURAL SYSTEMS (Chapters 16, 17, 18)

STRUCTURAL LOADS (Chapter 16)

DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1603.1)

| |
|---|
| _____ Uniformly distributed floor live loads (1603.2, 1606.0) |
| _____ Live load reduction (1603.2, 1608.0) |
| _____ Roof live loads (1603.3, 1609.0) |

Roof snow loads (1603.4, 1610.0)

| |
|--|
| _____ Ground snow load, P_g (1603.4, 1610.3) |
| _____ If $P_g > 10$ psf, flat-roof snow load, P_f (1603.4, 1610.4) |
| _____ If $P_g > 10$ psf, snow exposure factor, C_e (1603.4, Table 1610.4) |
| _____ If $P_g > 10$ psf, snow load importance factor, I (1603.4, Table 1611.5) |

Wind loads (1603.5, 1611.0)

- Basic wind speed (1603.5, 1611.3)
- Wind importance factor, I (1603.5, Table 1611.5)
- Wind exposure (1603.5, 1611.4)
- Wind design pressure, P (1603.5, 1611.7)

Earthquake loads (1603.6, 1612.0)

- Peak velocity-related acceleration, A_v (1603.6, 1612.1.3)
- Peak acceleration, A_a (1603.6, 1612.1.3)
- Seismic hazard exposure group (1603.6, 1612.1.5)
- Seismic performance category (1603.6, 1612.1.7)
- Soil-profile type (1603.6, Table 1612.3.1)
- Basic structural system and seismic-resisting system (1603.6, Table 1612.3.3)
- Response modification factor, R , and deflection amplification factor, C_d (1603.6, Table 1612.3.3)
- Analysis procedure (1603.6, 1612.4, 1612.5)

Partition loads (1605.3)

Concentrated loads (1603.7, 1613.0)

Impact loads (1603.7, 1614.0)

Special loads (1603.7, 1615.0)

STRUCTURAL DESIGN CALCULATIONS

- Submitted for all structural members (107.7)
- Signed/sealed (107.7, 114.1)
- Deflection limits considered (1604.5)
- Unbalanced snow loads considered (1610.6)
- Drift snow loads considered (1610.7)
- Sliding snow loads considered (1610.8)
- Internal pressure effects considered (1611.7, 1611.8)
- Components and cladding effects considered (1611.8)
- Load combinations considered (1616.1)

STRUCTURAL TESTS AND INSPECTIONS (Chapter 17)

- Owner's special inspection program specified (1705.0)

FOUNDATIONS AND RETAINING WALLS (Chapter 18)

- Soil type (1802.1, 1804.1)
- Bearing value (1802.1, 1804.1)
- Soil report (1802.1, 1804.1)
- Prepared fill (1804.1.1)

- Footings/foundations (1806.0 - 1811.0, 1814.0 - 1824.0)
- Foundation walls (1812.0)
- Waterproofing/dampproofing (1813.0)
- Retaining walls (1825.0)

STRUCTURAL MATERIALS (Chapters 19, 21, 22, 23)

CONCRETE (Chapter 19)

| | | | |
|-------------------------------------|---|--------------------------|---|
| <input checked="" type="checkbox"/> | Reinforced and prestressed concrete design/construction standard specified (1901.1, 1903.1.1) | <input type="checkbox"/> | Minimum slab requirements (1905.1) |
| <input type="checkbox"/> | Plain concrete design/construction standard specified (1901.2) | <input type="checkbox"/> | Minimum concrete strength (Table 1907.1.2[1]) |
| | | <input type="checkbox"/> | Cold-weather and hot-weather curing specified (1908.9, 1908.10) |

MASONRY (Chapter 21)

| | | | |
|-------------------------------------|--|--------------------------|--|
| <input checked="" type="checkbox"/> | Engineered masonry design/construction standard specified (2101.1.1, 2104.3) | <input type="checkbox"/> | Mortar type (2105.7) |
| <input type="checkbox"/> | Empirical masonry design (2101.1.2) | <input type="checkbox"/> | Cold-weather and hot-weather construction specified (2112.3, 2112.4) |

STEEL (Chapter 22)

| | | | |
|-------------------------------------|--|--------------------------|--|
| <input checked="" type="checkbox"/> | Structural steel design/construction standard specified (2203.1, 2203.2) | <input type="checkbox"/> | Formed steel design/construction standard specified (2206.1) |
| <input type="checkbox"/> | Shop drawing preparation specified (2203.4) | <input type="checkbox"/> | Formed steel member identification (2206.6) |
| <input type="checkbox"/> | Open-web steel joist design/construction standard specified (2205.1) | | |

WOOD (Chapter 23)

| | | | |
|-------------------------------------|---|-------------------------------------|--|
| <input type="checkbox"/> | Design/construction standard specified (2303.1) | <input checked="" type="checkbox"/> | Wind bracing (2305.7) |
| <input type="checkbox"/> | Grade mark specified (2303.1.1) | <input checked="" type="checkbox"/> | Seismic bracing (2305.8) |
| | | <input type="checkbox"/> | Wood structural panels (2307.0) |
| HEAVY TIMBER CONSTRUCTION | | | |
| <input checked="" type="checkbox"/> | Minimum dimensions (605.1, 2304.0) | <input checked="" type="checkbox"/> | Particleboard (2308.0) |
| <input type="checkbox"/> | Design/construction standard specified (2304.1) | <input checked="" type="checkbox"/> | Fiberboard (2309.0) |
| | | <input checked="" type="checkbox"/> | Fire-retardant-treated wood (2310.0) |
| | | <input checked="" type="checkbox"/> | Decay and termite protection (2311.0) |
| WOOD FRAME CONSTRUCTION | | | |
| <input type="checkbox"/> | Fastening and construction details (2305.0) | <input checked="" type="checkbox"/> | Joist hangers (2312.0) |
| | | <input checked="" type="checkbox"/> | Metal-plate-connected trusses (2313.3.1, 2313.3.2) |

NONSTRUCTURAL MATERIALS (Chapters 24, 25, 26)

GLASS AND GLAZING (Chapter 24)

N/A

Skylights (2404.0)

Safety glazing (2405.0, 2406.0, 2407.0)

GYPSUM BOARD AND PLASTER (Chapter 25)

Gypsum board materials (2503.0,
Table 2503.2, Table 2503.3)

PLASTIC (Chapter 26)

N/A

Approved materials (2601.2)

Identification (2601.4)

N/A

Interior trim (2603.7)

Alternative approval (2603.8)

FOAM PLASTIC (2603.0)

N/A

Labeling (2603.2)

Surface-burning characteristics (2603.3)

Thermal barrier (2603.4)

Exterior walls (2603.6)

LIGHT-TRANSMITTING PLASTIC (2604.0)

N/A

Diffusing systems (2604.5)

Wall panels (2605.0)

Unprotected openings (2606.0)

Roof panels (2607.0)

Skylight glazing (2608.0)

BUILDING SERVICES (Chapters 28, 30)

MECHANICAL SYSTEMS (Chapter 28)

N/A

Waste- and linen-handling
systems (2807.0)

N/A

Refuse vaults (2808.0)

ELEVATORS AND CONVEYING SYSTEMS (Chapter 30)

N/A

Hoistway enclosure (3007.1)

Venting (3007.3 - 3007.6)

N/A

Opening protectives (3008.2)

SPECIAL DEVICES AND CONDITIONS (Chapters 31, 34)

SPECIAL CONSTRUCTION (Chapter 31)

N/A

Membrane structures (3103.0)

N/A

Flood-resistant construction (3107.0)

PEDESTRIAN WALKWAYS (3106.0)

N/A

Construction and use (3106.1 - 3106.3)

N/A

Separation (3106.4)

Local approval (3106.5)

Egress and size (3106.6 - 3106.8)

EXISTING STRUCTURES (Chapter 34)

ADDITIONS, ALTERATIONS OR CHANGE OF OCCUPANCY

| | |
|--|--|
| _____ | _____ |
| General requirements (3402.0) | Change of occupancy (3405.0) |
| _____ | _____ |
| Additions/alterations (3403.0, 3404.0) | Compliance alternative evaluation (3408.0) |

BUILDING EVALUATION SUMMARY (Table 3408.7)

| | | | |
|--|------------------|--|---------------------------------------|
| Existing use group _____ | | Proposed use group _____ | |
| Year building was constructed _____ | | Number of stories _____ | Height in feet _____ |
| Type of construction _____ | | Area per floor _____ | |
| Percentage of open perimeter _____ % | | Percentage of height reduction _____ % | |
| Completely suppressed: Yes _____ No _____ | | Corridor wall rating _____ | |
| Compartmentation: _____ | | Yes _____ | No _____ Required door closers: _____ |
| Fireresistance rating of vertical opening enclosures _____ | | | |
| Type of HVAC system _____ | | serving number of floors _____ | |
| Automatic fire detection: Yes _____ No _____ | | type and location _____ | |
| Fire protective signaling system: Yes _____ No _____ | | type _____ | |
| Smoke control: Yes _____ No _____ | | type _____ | |
| Adequate exit routes: Yes _____ No _____ | | Dead ends: Yes _____ No _____ | |
| Maximum exit access travel distance _____ | | Elevator controls: Yes _____ No _____ | |
| Means of egress emergency lighting: Yes _____ No _____ | | Mixed use groups: Yes _____ No _____ | |
| Safety parameters | Fire safety (FS) | Means of egress (ME) | General safety (GS) |
| 3408.6.1 Building height | | | |
| 3408.6.2 Building area | | | |
| 3408.6.3 Fire area | | | |
| 3408.6.4 Space division | | | |
| 3408.6.5 Corridor walls | | | |
| 3408.6.6 Vertical openings | | | |
| 3408.6.7 HVAC systems | | | |
| 3408.6.8 Automatic fire detection | | | |
| 3408.6.9 Fire protective signaling system | | | |
| 3408.6.10 Smoke control | | * * * * | |
| 3408.6.11 Exit capacity | | * * * * | |
| 3408.6.12 Dead ends | | * * * * | |
| 3408.6.13 Max. exit access travel distance | | * * * * | |
| 3408.6.14 Elevator control | | | |
| 3408.6.15 Means of egress emergency lighting | | * * * * | |
| 3408.6.16 Mixed use groups | | * * * * | |
| 3408.6.17 Automatic sprinklers | | ÷ 2 = | |
| Building score — total value | | | |

* * * * No applicable value to be inserted.

BUILDING SAFETY EVALUATION SCORE (Table 3408.9)

| Formula | Table 3408.7 | | Table 3408.8 | | Score | Pass | Fail |
|-----------------|--------------|---|--------------|---|-------|-------|-------|
| FS-MFS \geq 0 | _____ (FS) | - | _____ (MFS) | = | _____ | _____ | _____ |
| ME-MME \geq 0 | _____ (ME) | - | _____ (MME) | = | _____ | _____ | _____ |
| GS-MGS \geq 0 | _____ (GS) | - | _____ (MGS) | = | _____ | _____ | _____ |

FS = Fire Safety
 ME = Means of Egress
 GS = General Safety

MFS = Mandatory Fire Safety
 MME = Mandatory Means of Egress
 MGS = Mandatory General Safety

NOTES