

Portland, Maine - Building or Use Permit Application
 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 03-0979	Issue Date:	CBL: 238A A006001
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Location of Construction: 34 Blueberry Rd	Owner Name: Theodore Logan & Son Inc	Owner Address: 971 Congress St	Phone: 207-774-6321
Business Name: n/a	Contractor Name: Langford & Low, Inc.	Contractor Address: PO Box 662 Portland	Phone: 2077975141
Lessee/Buyer's Name: n/a	Phone: n/a	Permit Type: Commercial	Zone: IM

Past Use: Vacant	Proposed Use: Build New 10,000 sq. Ft. building for warehouse and office.	Permit Fee: \$6,936.00	Cost of Work: \$760,000.00	CEO District: 3
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Proposed Project Description: Building New 10,000 sq. Ft. Building for warehouse and office.	FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: Type:
	Signature: <i>[Signature]</i>	Signature:

Permit Taken By: gg	Date Applied For: 08/14/2003	Zoning Approval	
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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.	Special Zone or Reviews <input type="checkbox"/> Shoreland <i>HA</i> <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <i>Panel 12 zone X</i> <input type="checkbox"/> Subdivision <input checked="" type="checkbox"/> Site Plan 2003-0134 Maj <input type="checkbox"/> Minor <input checked="" type="checkbox"/> MM <input type="checkbox"/> Date: <i>[Signature]</i> 8/16/03	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date:	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date:
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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 provision of the code(s) applicable to such permit.

 SIGNATURE OF APPLICANT ADDRESS DATE PHONE

 RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE DATE PHONE

From: Kandl Talbot
To: Marge Schmuckal
Date: Fri, Aug 15, 2003 1:38 PM
Subject: Re: 34 Blueberry Rd - Logan bldg

Marge,

I have a plan, which has changed since January because they applied for an amendment since then. However, we don't have a performance guarantee at this time. I can bring you down a stamped plan if you want for your review, but I can't sign off on this until we get the performance guarantee. We probably should wait until we get the performance guarantee, so that no building permits are issued prior to that.

Kandl

>>> Marge Schmuckal 08/15 12:35 PM >>>

Kandl,
Do you have a stamped approved site plan for this new bldg? Is it the same as the original submittal I received in January? They have applied for a building permit and I am essentially ok with it as long as there have been no changes.

Marge

CC: Jay Reynolds

CHECK-LIST AGAINST ZONING ORDINANCE

Date -

Zone Location - I-M

Interior of corner lot -

Paints

Proposed Use/Work - construct new three-story office Bldg 62'8" x 110' x 110' x 83'

Sewage Disposal - City

Lot Street Frontage - 60' min - 200' shown

Front Yard - 1 foot for every 1 foot of height - 100' scaled

Rear Yard - 1 foot for every 1 foot of height up to 25' - 189' scaled

Side Yard - 1 foot for every 1 foot of height up to 25' - 30' x 39' shown

Projections -

Width of Lot - N/A

Height - 75' MAX

Lot Area - No min 79,954 sq ft

Lot Coverage/Impervious Surface - 25% MAX

Area per Family - N/A

Off-street Parking - 1292 + 400 = 3,23

Loading Bays - 2 loading bays shown

Site Plan - minor # 2003-0134

Shoreland Zoning/Stream Protection - N/A

Flood Plains - Panel 12 - Zone X

Signage requires separate permits
15.25' x 18.70' shown
15.25' x 18.70' = 10 feet from boundaries = 10 feet
23.5 x 120 = 2,820 pavers
15.25 x 240 = 3,660
18.70 x 240 = 4,488
2(38 x 140) = 10,640
74.5 x 124 = 9,238

Applicant: Theodore Logan's Sincere Date: 8/15/03
Address: 34 Blueberry Rd
C.B.L.: 238A-A-006

STATEMENT OF SPECIAL INSPECTIONS

PROJECT: Theodore Logan & Son Office and Warehouse

LOCATION: 34 Blueberry Road
Portland, Maine

OWNER: John Logan
P.O. Box 1260
Portland, ME 04101-1260

ARCHITECT OF RECORD: Phillip J. Doughty Associates
362 U.S. Route One
Falmouth, ME 04105

STRUCTURAL ENGINEER OF RECORD: Structural Design Consulting, Inc.
5 Balsam Lane
Falmouth, ME 04105

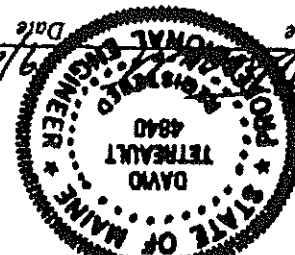
This Statement of Special Inspections is submitted as a condition of permit issuance in accordance with Section 1705.0 of the 1999 BOCA National Building Code. It includes a Schedule of Special Inspection Services applicable to this project as well as the name of the Special Inspector, and the names of other agencies intended to be retained for conducting these inspections.

The Special Inspector shall keep records of all inspections listed herein, and shall periodically furnish Interim Special Inspection Reports to the Building Code Official and to the Architect of Record. All discrepancies shall be brought to the immediate attention of the Contractor for correction. If the Official and the Architect of Record. A Final Report of Special Inspections documenting completion of all special inspections and correction of all discrepancies noted in inspection records shall be submitted to the Building Code Official.

Job site safety is solely the responsibility of the Contractor. Materials and activities to be inspected are not to include the Contractor's equipment and methods used to erect or install the materials listed.

Prepared by:

Signature: *David Tetrault*
Date: 9/21/03



Owner's Authorization:

Signature: *[Signature]*
Date: _____

Theodore Logan & Son Office and Warehouse Facility
Portland, Maine

Building Code Official's Acceptance
Signature: *[Signature]*
Date: 10/6/03

Theodore Logan & Son Office and Warehouse Facility
Portland, Maine
Page 2 of 3

Note
The inspection and testing agents shall be engaged by the Owner or the Owner's Agent and not by the Contractor or Subcontractor whose work is being inspected or tested. Any conflict of interest shall be disclosed to the Building Official prior to commencement of work.

- 1. SPECIAL INSPECTOR:
David Tetreault, P.E.
Structural Design Consulting, Inc.
5 Balsam Lane
Falmouth, ME 04105
- 2. TESTING AGENCY:
S.W. Cole Engineering, Inc.
286 Portland Road
Gray, Me 04039-9586
- 3. TESTING AGENCY:
Elite Inspection Services
200 Industrial Way
Portland, ME 04103

SPECIAL INSPECTION AGENCIES

SCHEDULE OF SPECIAL INSPECTION SERVICES

Item	Agent No.	Scope
1. Soils and Foundations		
Subgrade Preparation	2	Observe excavation and footing bearing surface.
Structural Fill placement	2	Observe placement and compaction of structural fill.
2. Cast-In-Place Concrete		
Mix Design	1	Review suppliers mix design and laboratory test reports or strength tests.
Reinforcement Installation	1	Inspect placement of reinforcement prior to placement of concrete.
Material Testing	2	Sample and test concrete for slump, air content, temperature and compressive strength
3. Structural Steel		
Item	Agent No.	Scope
Materials	1	Review material for conformance with Contract Documents.
Welding	3	Perform visual inspection of all welds. Welds deemed questionable by visual inspection, all partial and full penetration welds, and any other welds indicated on the Contract Documents shall be tested by Liquid penetrant inspection, magnetic particle inspection, radiographic inspection or Ultrasonic Inspection
Details	1	Review Framing details for conformance with Contract Documents.

Theodore Logan & Son Office and Warehouse Facility
 Portland, Maine
 Page 3 of 3

030979

All Purpose Building Permit Application

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

Location/Address of Construction: 34 Blueberry Hill Rd	
Total Square Footage of Proposed Structure 10,000	Square Footage of Lot
Tax Assessor's Chart, Block & Lot Chart# 238 Block# AA006 Lot#	Owner: JOHN LOGAN
Lessee/Buyer's Name (if Applicable)	Applicant name, address & telephone: LANGFORD & LOW, 248 WARREN AVE, PORTLAND, ME 04104 (207) 292-5141
Cost Of Work: \$ 760,000 Fee: \$ 6861.00	

Current use: _____
 If the location is currently vacant, what was prior use: **Garage for car**
 Approximately how long has it been vacant: _____
 Proposed use: **This Building will be used for Warehouse & office**

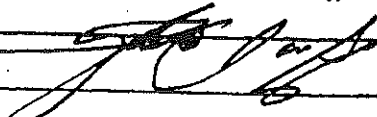
Contractor's name, address & telephone: **LANGFORD & LOW, 248 WARREN AVE, PORTLAND, ME 04104 797-5141**

Who should we contact when the permit is ready: **GUS DOUGHTY**
 Mailing address: **248 WARREN AVE, PORTLAND ME 04104**

We will contact you by phone when the permit is ready. You must come in and pick up the permit and review the requirements before starting any work with a Plan Reviewer. A stop work order will be issued and a \$100.00 fee if any work starts before the permit is picked up. PHONE: (207) 292-5141

IF THE REQUIRED INFORMATION IS NOT INCLUDED IN THE SUBMISSIONS THE PERMIT WILL BE AUTOMATICALLY DENIED AT THE DISCRETION OF THE BUILDING/PLANNING DEPARTMENT, WE MAY REQUIRE ADDITIONAL INFORMATION IN ORDER TO APPROVE THIS PERMIT.

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

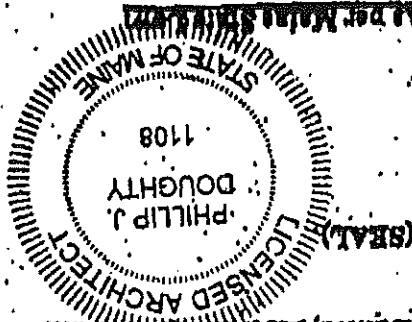
Signature of applicant: 

Date: **8-13-03**

This is NOT a permit, you may not commence ANY work until the permit is issued. If you are in a Historic District you may be subject to additional permitting and fees with the

\$50,000.00 or more in new construction; repair, expansion, addition, or modification for building or structure, shall be prepared by a registered design

PHILLIPS



At Per Maine State Seal

Address: 362 U.S. Route One
Bath, ME 04105

Firm: Phillip Doughty Assoc. - Architects

Title: Principal/Architect

Signature: Phillip J. Doughty

Have been designed and drawn up by the undersigned, a duly registered architect, and used in accordance with the BOCA National Building Code 1999 Edition, and local amendments.

34 Blueberry Road, Portland, ME

Theodore Logan & Son Office and Warehouse

These plans and/or specifications covering construction work are:

August 13, 2003

DATE:

Certificate of Design

RE:

Phillip J. Doughty Associates - Architects

FROM:

Inspector of Buildings City of Portland, Maine
Department of Planning & Urban Development
Division of Housing & Community Service

TO:

CITY OF PORTLAND
BUILDING CODE CERTIFICATE
189 Congress St., Rm 318
Portland, ME 04101



Permitted types of construction ALL
 Type of construction assumed for review (602.3) 25

Adjusted floor area = actual floor area/conversion factor

Actual floor area 10,160 ft.² Adjusted floor area 37,800 ft.²

Actual building height 7 feet Allowable building height 30 feet

Actual building height 7 stories Allowable building height 1 stories

Using Table 503, identify the allowable height and area of the single use group or the most restrictive of the nonseparated mixed use groups. Construction types that provide an allowable tabular area equal to or greater than the adjusted floor area and allowable heights (as modified by Section 504.0) equal to or greater than the actual building height are permitted.

CASE 1 — SINGLE USE OR NONSEPARATED MIXED USE GROUPS (313.1.1, 503.0)

Open perimeter (506.2)	North	110	East	120	South	110	West	120
Open perimeter ft.		460				460		
% Open perimeter =								100%
(Open perm./perim.) × 100%								100%
% Tab. area increase =								25%
(% Open perm. - 25%)								75%

Conversion factor 0.6/1.0 = 0.6
 Total percentage factor 150%
 % Increase for automatic sprinklers (506.3) 100%
 % Increase for open perimeter (506.2) +150%
 % Reduction for height (Table 506.4) -0%
 % of Allowable tabular area (Table 503) 100%

AREA MODIFICATIONS TO TABLE 503

Apply Case 1 to determine the allowable height and area and permitted types of construction for a building containing a single use group or nonseparated mixed use groups. Apply Case 2 to determine the allowable height and area and permitted types of construction for a building containing separated mixed use groups.

GENERAL BUILDING LIMITATIONS (Chapters 5 & 6)

Single Use Group B/S
 Mixed Use Groups _____
 Specific occupancy areas (302.1.1) _____
 Accessory areas (302.1.2) _____

BUILDING PLANNING (Chapters 3, 4, 5, 6)
 USE OR OCCUPANCY CLASSIFICATION (302.0-313.0)

ADMINISTRATION (Chapter 1)

34 Blueberry

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

N.A. — NOT APPLICABLE

SPECIAL USE AND OCCUPANCY (Chapter 4)

COVERED MALL BUILDINGS

HIGH-RISE BUILDINGS

- Automatic sprinkler system (403.2)
- Alternative sprinkler modifications (403.3)
- Automatic fire detection (403.4)
- Voice/alarm signaling systems (403.5)
- Fire department communication (403.6)
- Fire command station (403.7)
- Elevators (403.8)
- Standby systems (403.9)
- Slirway doors (403.10)

- Tenant separations (402.4)
- Egress (402.5)
- Mall width (402.6)
- Structural elements (402.7)
- Roof coverings (402.8)
- A-1, A-2 occupancy (402.9)
- Automatic sprinkler system (402.10)
- Standpipes (402.11)
- Fire department access (402.12)
- Kiosk requirements (402.14)

UNLIMITED AREA ONE-STORY BUILDINGS

- School buildings (507.1.1)
- High-hazard use groups (507.1.2)
- Exterior walls (507.2)

- Use group classification (507.1)
- Building height (story, feet) (507.1)
- Type of construction (507.1)
- Automatic sprinkler system (507.1, 904.11)

Openness (505.4)

MEZZANINES

Area limitation (505.2)
Egress (505.8)

Permitted types of construction

Adjusted floor area* = Allowable area (Table 503)

*Adjusted floor area = actual floor area/conversion factor

Story	Use Group	Actual floor area	Adjusted floor area*	Actual height	Allowable height (Table 503)
1	SI	8466 ft ²	3000 ft ²	8 ft	10 ft

CALCULATED AREA 10551

Using Table 503, identify the allowable height and area of each of the separated use groups within the building. Construction types that provide, for each story of the building, tabular areas which result in a sum of the ratios of 1.00 or less, and allowable heights (as modified by Section 504.0) equal to or greater than the actual height of the use group are permitted.

LIMITED ONE-STORY BUILDING USE GROUPS

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

FIRE RESISTANT MATERIALS AND CONSTRUCTION (Chapter 7 and Table 602)

FIRE PARTITIONS

- Exit access corridors (711.0, 1011.4)
- Tenant separations (711.0)
- Dwelling unit separations (711.0)
- Guestroom separations (711.0)

OTHER FIRE RESISTANT CONSTRUCTION

- Fire and party walls (707.0 and Table 707.1)
- Smoke barriers (712.0)
- Nonloadbearing partitions (Table 602)

- Interior loadbearing walls, columns, girders, trusses (716.0)

- Supporting construction (716.0)

- Floor construction (713.0, 1006.3.1)

- Roof construction (713.0, 715.0)

- Penetrations (714.0)

- Opening protectives (717.0, 719.0, 720.0)

- Fire dampers (718.0)

- Fireblocking/draftstopping (721.0)

- Thermal and sound-insulating materials (723.0)

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

COMBUSTIBILITY (603.0, 604.0, 605.0, 606.0)

- Exterior walls
- Interior elements

Roof

CONSTRUCTION DOCUMENTS (703.0)

- Fire tests (704.0)

EXTERIOR WALLS (507.2, 705.0, 716.5)

- North
- East
- South
- West

Fire separation distance

- Loadbearing
- Nonloadbearing

- Exterior opening protectives (705.3, 706.0)

- Parapet walls (705.6)

FIRE SEPARATION ASSEMBLIES

- Exit enclosures (709.0, 710.0, 1014.11)

- Other shafts (709.0, 710.0)

- Mixed use and fire area separations (813.1.2)

- Other separation assemblies (302.1.1, Table 602)

ATRIUMS

- Automatic sprinkler system (404.2)
- Occupancy (404.3)
- Smoke control (404.4)
- Enclosure (404.5)
- Fire alarm system (404.6)
- Travel distance (404.7)

OTHER SPECIAL USE AND OCCUPANCY

- Underground structures (405.0)
- Open parking structures (406.0)

- Private garages (407.0)
- Public garages (408.0)
- Use Group 1-2 (409.0)
- Use Group 1-3 (410.0)
- Stages and platforms (412.0)
- Special amusement buildings (413.0)
- HPM facilities (416.0)
- Hazardous materials (307.8, 417.0)
- Use Groups H-1, H-2, H-3 and H-4 (418.0)
- Swimming pools (421.0)

INTERIOR FINISHES (Chapter 8)

Floor finish (805.0, 806.0)

Smoke development (800.5.2)

Flame spread (803.4)

FIRE PROTECTION SYSTEMS (Chapter 9)

FIRE SPRINKLER SYSTEMS

NFPA 13 system (906.2.1)

NFPA 13R system (906.2.2)

NFPA 13D system (906.2.3)

Design (906.3)

Action (906.4)

Sprinkler alarms (906.5)

Sprinkler riser (906.7)

LIMITED AREA SPRINKLER SYSTEMS

Where permitted (907.2)

Design (907.3)

Action (907.4)

Standpipe connection (907.6)

Domestic supply (907.6.1)

Cross connection (907.6.2)

Shutoff valve (907.6.3)

OTHER SUPPRESSION SYSTEMS

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)

Clean agent fire extinguishing systems (913.0)

Wet-chemical range hood extinguishing systems (914.0)

FIRE SUPPRESSION SYSTEMS (Where required)

Assembly (A-1, A-3, A-4) (904.2)

Assembly (A-2) (904.3)

Educational (E) (904.4)

High-hazard (H) (904.5)

Institutional (I) (904.6)

Merchandise (M), Moderate-hazard storage (S-1), Factory and Industrial (F-1) (904.7)

Residential (R-1) (904.8)

Residential (R-2) (904.9)

Windowless story (904.10)

Specific occupancy areas (902.1.1, 904.11)

Covered mall buildings (902.10)

High-rise buildings (903.2)

Atriums (904.2)

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)

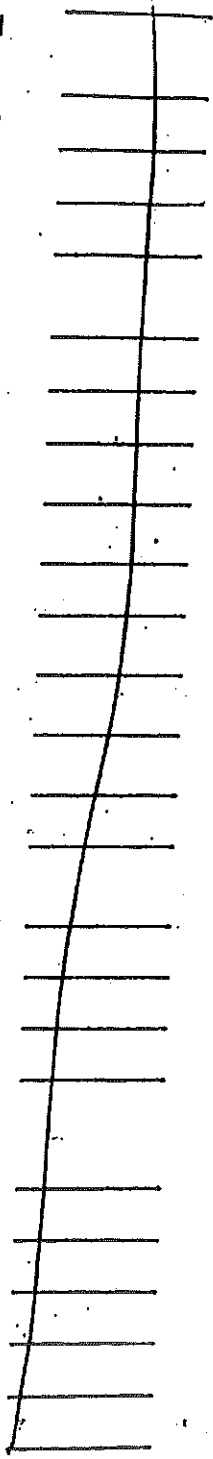
Unlimited area buildings (507.1)

Exit lobbies (1020.3)

Drying rooms (2806.4)

Waste- and linen-chutes/termination rooms (2807.6)

Reuse vaults (2808.4)



Door 1112

Location	Requested	Shown
SI	1	1
SI	2	4

NUMBER OF EXITS (1010.0)

Shown

Requested

Location

Location	Floor + Area + Sq. Ft. + Occ.	Occup. load	Other loads	Total
SI	8466 ÷ 300	28.2		28.2
B	1674 ÷ 17	98.5		98.5
46				

OCCUPANT LOAD (1008.0 and Table 1008.1.2)

CAPACITY OF EGRESS COMPONENTS (1009.0 and Table 1009.2)

Location	Egress width (inch/occupant)	Stairways	Doors/ramps/corridors	Total Capacity
SI	44	4	32	36
B	44	4	32	36

MEANS OF EGRESS (Chapter 10)

OCCUPANT NEEDS (Chapters 10, 11, 12)

AUTOMATIC FIRE DETECTION SYSTEMS

Approval (919.3) _____
Institutional (I) (919.4.1, 919.4.2, 919.4.3) _____
Residential (R-1) (919.4.4) _____
Sprinklered buildings exception (919.5) _____
Zones (919.6) _____

SINGLE- AND MULTIPLE-STATION SMOKE DETECTORS

Residential (R-1) (920.3.1) _____
Residential (R-2, R-3) (920.3.2) _____
Institutional (I-1) (920.3.3) _____
Interconnection (920.4) _____
Battery backup (920.5) _____

FIRE EXTINGUISHERS

Approval (921.1) _____
Required (921.2) _____

SMOKE CONTROL SYSTEMS

Passive system (922.2.1) _____
Mechanical system (922.2.2) _____
Smoke removal (922.3) _____
Activation (922.4) _____
Standby power (922.5) _____

SMOKE AND HEAT VENTS

Size and spacing (923.2) _____

SUPERVISION

Fire suppression systems (924.1) _____
Fire alarm systems (924.2) _____

STANDPIPE SYSTEMS

Building height (915.2.1) _____
Building area (915.2.2) _____
Malls (915.2.3) _____
Stages (915.2.4) _____
Approved system (915.3, 915.3.1) _____
Piping design (915.4) _____
Water supply (915.5) _____
Control valves (915.6) _____
Hose connection (915.7) _____

FIRE DEPARTMENT CONNECTIONS

Required (916.1) _____
Connections (916.2) _____

YARD HYDRANTS

Fire hydrants (917.1) _____

FIRE ALARM SYSTEMS

Approval (918.3) _____

Assembly (A-4), Educational (E) (918.4.1) _____
Business (B) (918.4.2) _____
High-hazard (H) (918.4.3) _____
Institutional (I) (918.4.4) _____
Residential (R-1) (918.4.5) _____
Residential (R-2) (918.4.6) _____
Location/details (918.5) _____
Power supply/wiring (918.6, 918.7) _____
Alarm-notification appliances (918.8) _____
Voice/alarm signaling system (918.9) _____

MEANS OF EGRESS (continued)

General limitations (1005.0)	✓	None
Air movement in egress elements (1005.7)	OK	None
Types and location of egress (1006.0)	OK	None
Exit access travel distance (1006.5 and Table 1006.5)	OK	None
Accessible means of egress (1007.0)	N/A	None
Emergency escape (1010.4)	None	None
Exit access passageways and corridors (1011.0)	None	None
Aisles and accessways (1012.0)	None	None
Grandstands (1013.0)	None	None
Interior stairways (1014.1 - 1014.11)	None	None
Exterior stairways (1014.1 - 1014.10, 1014.12)	None	None
Smokeproof enclosures (1015.0)	None	None
Ramps (1016.0)	N/A	None
Means of egress doorways (1017.0)	5	None
Number of doorways (1017.2)	5	None
Size of doors (1017.3)	36" x	None
Door hardware (1017.4)	OK	None
Revolving doors (1018.0)	None	None
Horizontal exits (1019.0)	None	None
Level of exit discharge passageway (1020.0)	None	None
Guards (1021.0)	OK	None
Handrails (1022.0)	N/A	None
Exit signs and lights (1023.0)	None	None
Means of egress lighting (1024.0)	None	None
Access to roof (1027.0)	None	None

ACCESSIBILITY (Chapter 11)

Required (1103.0)	None
Accessible route (1104.0)	None
Parking facilities (1105.0)	None
Features and facilities (1108.0)	None
Accessible entrances (1106.0)	None
Special use groups (1107.0)	None

INTERIOR ENVIRONMENT (Chapter 12)

Room dimensions (1204.0)	None
Airborne noise (5TC) (1214.2)	None
Structure-borne sound (11C) (1214.3)	None
Reloading (1215.0)	None

BUILDING ENVELOPE (Chapters 14, 15)

EXTERIOR WALL COVERINGS (Chapter 14)

Performance requirements (1403.0)	None
Combustible material restrictions (1406.0)	None
Wall sidings and veneers (1404.0, 1405.0)	None

HAVE LOOK AT 158225

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)

Floor Area Use
Loads Shown
See table below

Live load reduction (1603.2, 1606.7)

Roof live loads (1603.3, 1607.0)

Roof snow loads (1603.4, 1608.0)

Ground snow load, P_g (1608.3)

If $P_g > 10$ psi, flat-roof snow load, P_f (1608.4)

If $P_g > 10$ psi, snow exposure factor, C_e (Table 1608.4)

Sloped roof snowload, P_s (1608.5)

If $P_g > 10$ psi, snow load importance factor, I (Table 1609.5)

Wind exposure category (1609.4)

Wind importance factor, I (Table 1609.5)

Wind design pressure, P (1609.7)

Earthquake loads (1603.6, 1610.0)

Peak velocity-related acceleration, A_v (1610.1.3)

Peak acceleration, A_p (1610.1.3)

Seismic hazard exposure group (1610.1.5)

Seismic performance category (1610.1.7)

Soil-profile type (Table 1610.3.1)

Basic structural system and seismic-resisting system (Table 1610.3.3)

Response modification factor, R , and deflection amplification factor, C_d (Table 1610.3.3)

Analysis procedure (1610.4, 1610.5)

Other loads

Allie load (1606.2.2, 1606.2.3)

Partion loads (1606.2.4)

Concentrated loads (1606.3)

Impact loads (1606.6)

Misc. loads (1606.4, 1606.8, 1606.9, 1607.5, 1612.0)

STRUCTURAL DESIGN CALCULATIONS

Submitted for all structural members (107.7)

Signed/sealed (107.7, 114.1)

Deflection limits considered (1604.5)

ROOFS AND ROOF STRUCTURES (Chapter 15)

Performance requirements (1505.0)

Fire classification (1506.0)

Steep-slope roof coverings (1507.4)

Low-slope roof coverings (1507.5)

Flashing (1508.0)

Roof structures (1510.0)

STRUCTURAL DESIGN CALCULATIONS (continued)

Unbalanced snow loads considered (1608.6)

Drift snow loads considered (1608.7)

Sliding snow loads considered (1608.8)

Internal pressure effects considered (1609.2, 1609.8)

Components and cladding effects considered (1609.8)

Load combinations considered (1613.1)

Material performance technical data or BOCA Evaluation Services or National Evaluation Services report supplied (1703.0) Report No. _____

Owner's special inspection program specified (1705.0)

Prefabricated items (1705.2)

Steel construction (1705.3)

Concrete construction (1705.4)

Masonry construction (1705.5)

Wood construction (1705.6)

Prepared fill and foundations (1705.7, 1705.8, 1705.9)

Fireresistive materials (1705.12)

EIFS, wall panels and veneers (1705.10, 1705.13)

FOUNDATIONS AND RETAINING WALLS (Chapter 18)

Soil type (1611.0, 1802.1, 1804.1)

Bearing value (1611.0, 1802.1, 1804.1)

Soil report (1802.1, 1804.1)

Prepared fill (1804.1.1)

Footings (1806.0 - 1811.0)

Foundations (1814.0 - 1824.0)

Foundation walls (1611.0, 1812.0)

Waterproofing/dampproofing (1813.0)

Retaining walls (1611.0, 1825.0)

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

Plain, reinforced and prestressed concrete design/construction standard specified (1901.1, 1903.1.1)

Minimum slab requirements (1905.1)

Minimum concrete strength (Table 1907.1.2(1))

Cold-weather and hot-weather curing specified (1908.9, 1908.10)

MASONRY (Chapter 21)

Engineered masonry design/construction standard specified (2101.1.1)

Empirical masonry design (2101.1.2)

Construction materials (2104.0)

Mortar type (2104.7)

Cold-weather and hot-weather construction specified (2111.3, 2111.4)

Fireplaces and chimneys (2103.2, 2113.0 - 2117.0)

Glass block (2118.0)

NONSTRUCTURAL MATERIALS (Chapters 24, 25, 26)

GLASS AND GLAZING (Chapter 24) *MS*
 Skylights (2404.0)
 Safety glazing (2405.0, 2406.0, 2407.0)

GYPNUM BOARD AND PLASTER (Chapter 25) *MS*
 Gypsum board materials (2503.0, Table 2503.2, Table 2503.3)
 Plaster (2504.0, 2505.0, 2506.0)

PLASTIC (Chapter 26) *MS*
 Approved materials (2601.2)
 Identification (2601.4)
 Interior trim (2603.7)
 Alternative approval (2603.8)
 FOAM PLASTIC (2603.0)
 Labeling (2603.2)
 Surface-burning characteristics (2603.3)
 Thermal barrier (2603.4)
 Exterior walls (2603.5, 2603.6)

STEEL (Chapter 22)

Structural steel design/construction standard specified (2203.1, 2203.2) *MS*
 Shop drawing preparation specified (2203.4)
 Open-web steel joist design/construction standard specified (2205.1)

Formed steel design/construction standard specified (2206.1) *MS*
 Formed steel member identification (2206.6) *MS*

WOOD (Chapter 23)

Installation inspectors (2301.2) *MS*
 Design/construction standard specified (2303.1)
 Grade mark specified (2303.1.1)

Seismic bracing (2305.8) *MS*
 Foundation anchorage (2305.17)
 Wood structural panels (2307.0)

HEAVY TIMBER CONSTRUCTION

Minimum dimensions (605.1, 2304.0) *MS*
 Design/construction standard specified (2304.1)

Fiberboard (2309.0)
 Fire-retardant-treated wood (2310.0)
 Decay and termite protection (2311.0)
 Joist hangers (2312.0)

WOOD FRAME CONSTRUCTION

Fastening and construction details (2305.0, Table 2305.2) *MS*
 Wind bracing design required (2305.7)

Particleboard (2308.0)
 Prefabricated components (2313.1, 2313.2, 2313.3.1, 2313.3.2)
 Metal-plate-connected trusses (2313.3.1)

LIGHT-TRANSMITTING PLASTIC (2603.5, 2604.0)

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)

Waste and linen-handling systems (2804.0)

Refuse vaults (2808.0)

ELEVATORS AND CONVEYING SYSTEMS (Chapter 30)

Construction standard specified (3001.2)

Venting (3007.3 - 3007.6)

Elevator emergency operation (3006.2)

Opening protectives (3008.2)

Holtsway enclosure (3007.1)

Conveyors and escalators (3010.0, 3011.0)

SPECIAL DEVICES AND CONDITIONS (Chapters 31, 34)

SPECIAL CONSTRUCTION (Chapter 31)

Membrane structures (3105.0)

PEDESTRIAN WALKWAYS (3106.0)

Flood-resistant construction (3107.0)

Construction and use (3106.1 - 3106.3)

Towers (3108.0)

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)

Additions/alterations (3403.0, 3404.0)

Structural loads (1614.0, 3402.5)

Change of occupancy (1110.3, 3405.0)

Accessibility (1110.0, 3402.7)

Compliance alternative evaluation (3408.0)

Existing use group	Year building was constructed	Type of construction	Percentage of open perimeter	Completely suppressed:	Compartmentation:	Fire-resistance rating of vertical opening enclosures	Type of HVAC system
_____	_____	_____	_____ %	Yes _____ No _____	Yes _____ No _____	_____	_____
Proposed use group	Number of stories	Area per floor	Percentage of height reduction	Corridor wall rating	Required door closers:	_____	_____
_____	_____	_____	_____ %	_____	Yes _____ No _____	_____	_____
_____	Height in feet	_____	_____	_____	_____	_____	_____

BUILDING EVALUATION SUMMARY (Table 3408.7)