

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING INSPECTION

PERMIT

PERMIT ISSUED

Permit Number 060071

FEB 1, 2006

CITY OF PORTLAND

Please Read Application And Notes, If Any, Attached

This is to certify that CUMBERLAND COUNTY /Hardy Pond Construction

has permission to Renovations to existing hold area for persons

AT 124 FEDERAL ST 028 G010001

provided that the person or persons firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

ification of inspection must be given and when permission procured before this building or part thereof is occupied or service closed-in. YOUR NOTICE REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. Area Case 1-20-06

Health Dept.

Appeal Board

Other

Department Name

Handwritten signature and date 2/13/06

Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME

Permit No: 06-0071	Issue Date: FEB 14 2006	CBL: 028 G010001
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Location of Construction: 124 FEDERAL ST	Owner Name: CUMBERLAND COUNTY OF	Owner Address: 142 FEDERAL ST	Phone: 2077976066
Business Name:	Contractor Name: HardyPond Construction	Contractor Address: 1039 Riverside St Suite 11 Portland	Phone: 2077976066
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Commercial	Zone: B-3

RECEIVED

Past Use: Commercial	Proposed Use: Commercial renovations for existing holding area for prisoners	Permit Fee: \$1,200.00	Cost of Work: \$130,465.00	CEO District: 1
Proposed Project Description: Renovations to existing holding area for prisoners		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied NO NF-PA 101	INSPECTION: Use Group: B/I3 Type: 2B 2/13/06	
		Signature: Greg Cass Signature: (Signature)		

PERMIT ISSUED
FEB 14 2006
CITY OF PORTLAND

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action Approved Approved w/Conditions Denied

Signature: _____ Date: _____

Permit Taken By: dmartin	Date Applied For: 01/11/1006	Zoning Approval
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<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>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..</p>	<p>Special Zone or Reviews</p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetland</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p>Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/></p> <p>late: 1/19/06</p>	<p>Zoning Appeal</p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>late: _____</p>	<p>Historic Preservation</p> <p><input type="checkbox"/> Not in District or Landmark</p> <p><input type="checkbox"/> Does Not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Any exterior use requires A</p> <p>Separate review and approval.</p> <p>Date: _____</p>
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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



General Building Permit Application

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

Cumberland County Courthouse

Location/Address of Construction: <i>Federal St. Portland</i>		
Total Square Footage of Proposed Structure		Square Footage of Lot
Tax Assessor's Chart, Block & Lot Chart# Block# Lot#	Owner: <i>Cumberland County</i>	Telephone: <i>871-8293</i>
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone: <i>HARDY POND CONSTRUCTION 1039 RIVERSIDE STREET #11 PORTLAND, ME 04103 797-6066</i>	Cost Of Work: \$ <i>130,464.00</i> Fee: \$ <i>1245.-</i> C of O Fee: \$ _____
Current Specific use: <u><i>DETENTION AREA</i></u> If vacant, what was the previous use? _____ Proposed Specific use: <u><i>DETENTION AREA</i></u>		
Project description: <i>RENOVATION OF EXISTING HOLDING AREA FOR PRISONERS</i>		
Contractor's name, address & telephone: <i>HARDY POND CONSTRUCTION CO. 1039 RIVERSIDE STREET #11 PORTLAND</i>		
Who should we contact when the permit is ready: <u><i>JOELLE COREY</i></u>		Phone: <u><i>797-6066</i></u>
Mailing address: _____		

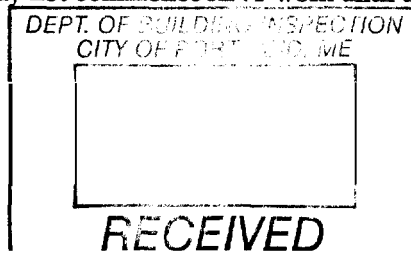
Please submit all of the information outlined in the Commercial Application Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information visit us on-line at www.portlandmaine.gov, stop by the Building Inspections office, room 315 City Hall or call 874-8703.

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: <i>Joelle Corey</i>	Date: <i>1.10.06</i>
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This is not a permit; you may not commence ANY work until the permit is issued



City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 06-0071	Date Applied For: 01/11/1006	CBL: 028 G010001
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Location of Construction: 124 FEDERAL ST	Owner Name: CUMBERLAND COUNTY OF	Owner Address: 142 FEDERAL ST	Phone:
Business Name:	Contractor Name: HardyPond Construction	Contractor Address: 1039 Riverside St Suite 11 Portland	Phone: (207) 797-6066
Applicant/Buyer's Name	Phone:	Permit Type: Alterations - Commercial	

Proposed Use: Commercial renovations for existing holding area for prisoners	Proposed Project Description: Renovations to existing holding area for prisoners
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Dept: Zoning	Status: Approved	Reviewer: Marge Schmuckal	Approval Date: 01/19/2006
Note:			Ok to Issue: <input checked="" type="checkbox"/>
Dept: Building	Status: Approved	Reviewer: Mike Nugent	Approval Date: 02/13/2006
Note:			Ok to Issue: <input checked="" type="checkbox"/>
Dept: Fire	Status: Approved with Conditions	Reviewer: Cptn Greg Cass	Approval Date: 01/20/2006
Note: 1) All building construction to comply with NFPA 101			Ok to Issue: <input checked="" type="checkbox"/>

Comments: 1/27/2006-mjn: Area exits into and area where there is only an overhead door. Left message with the Design team



Commercial Interior & Change of Use Permit Application Checklist

All of the following information is required and must be submitted. Checking off each item as you prepare your application package will ensure your package is complete and will help to expedite the permitting process.

One (1) complete set of construction drawings must include:

Note: Construction documents for costs in excess of \$50,000.00 must be prepared by a Design Professional and bear their seal.

- Cross sections w/framing details
- Detail of any new walls or permanent partitions
- Floor plans and elevations
- Window and door schedules
- Complete electrical and plumbing layout.
- Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment or other types of work that may require special review
- Insulation R-factors of walls, ceilings, floors & U-factors of windows as per the IECC 2003
- Proof of ownership is required if it is inconsistent with the assessors records.
- Reduced plans or electronic files in PDF format are required if originals are larger than 11" x 17".

Separate permits are required for internal and external plumbing, HVAC & electrical installations.

For additions less than **500** sq. ft. or that does not affect parking or traffic, a site plan exemption should be filed including:

- The shape and dimension of the lot, footprint of the proposed structure and the distance from the actual property lines.
- Location and dimensions of parking areas and driveways, street spaces and building frontage

A Minor **Site Plan Review** is required for any change of use between 5,000 and 10,000 sq. ft. (cumulatively within a 3-year period)

Please submit all of the information outlined in this application checklist. If the application is incomplete, the application may be refused.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information visit us on-line at www.portlandmaine.gov, stop by the Building Inspections office, room 315 City Hall or call 874-8703.

Permit Fee: \$30.00 for the first \$1000.00 construction cost, \$9.00 per additional \$1000.00 cost

This is not a Permit; you may not commence any work until the Permit is issued.

01-03-'06 02:44 FROM-

T-651 P004/006 F-880



**CITY OF PORTLAND
BUILDING CODE CERTIFICATE**
389 Congress St., Room 315
Portland, Maine 04101

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

FROM: ALLIED ENGR. INC.

RE: Certificate of Design

DATE: 1.5.06

These plans and / or specifications covering construction work on:

OCC SALLYPORT DETENTION AREA RENOVATION!

Have been designed and drawn up by the undersigned, a Maine registered Architect / Engineer according to the 2003 International Building Code and local amendments.

(SEAL)

Signature: [Handwritten Signature]

Title: PRINCIPAL

Firm: ALLIED ENGR. INC.

Address: 160 Veranda St
Portland ME 04102

As per Maine State Law:

\$50,000.00 or more in new construction, repair expansion, addition, or modification for Building or Structures, shall be prepared by a registered design Professional.

FROM DESIGNER: ALLIED ENG. INC

DATE: 1.6.05

Job Name: CCC SALLYPORT DETENTION AREA RENOVATION

Address of Construction: Federal St. Portland ME

2003 International Building Code

Construction project was designed according to the building code criteria listed below:

Building Code and Year 2003 IBC Use Group Classification(s) _____

Type of Construction _____

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2003 IRC Yes

Is the Structure mixed use? Y If yes, separated or non separated (see Section 302.3) Separated

Supervisory alarm system? Y Geotechnical/Soils report required? (See Section 1802.2) No

STRUCTURAL DESIGN CALCULATIONS

No Submitted for all principal members (1001.1, 1001.1.1) N/A

DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1000)

N/A Uniformly distributed floor live loads (7007.11, 1007)

Floor Area Use	Loads Shown

- N/A Live load reduction (1008.1.1, 1007.8, 1007.10)
- N/A Roof live loads (1008.1.2, 1007.11)
- N/A Roof snow loads (7007.7.3, 1008)
- N/A Ground snow load, P_g (1008.2)
- N/A If $P_g > 10$ psf, flat-roof snow load, P_f (1008.4)
- N/A If $P_g > 10$ psf, snow exposure factor, C_e (Table 1008.6.1)
- N/A If $P_g > 10$ psf, snow load importance factor, I_s (Table 1004.8)
- N/A Roof thermal factor, C_t (Table 1008.6.2)
- N/A Sloped roof snowload, P_s (1008.4)
- _____ Seismic design category (1018.8)
- _____ Seismic element-force-resisting system (Table 1017.4.2)
- _____ Response modification coefficient, R , and deflection amplification factor, C_d (Table 1017.8.2)
- _____ Analysis procedure (1016.2, 1017.5)
- _____ Design base shear (1017.4, 1017.8.1)

Wind loads (1003.1.4, 1008) N/A

- _____ Design option utilized (1002.1.1, 1002.5)
- _____ Basic wind speed (1002.3)
- _____ Building category and wind importance factor, I_w (Table 1004.6, 1002.5)
- _____ Wind exposure category (1002.4)
- _____ Internal pressure coefficient (ASCE 7)
- _____ Component and cladding pressures (1009.1.1, 1009.4.2.2)
- _____ Main force wind pressures (1002.1.1, 1009.4.2.1)

- _____ Flood loads (1002.1.8, 1012)
- N/A Floodhazard area (1012.5)
- _____ Elevation of structure

Earthquake design data (1002.1.8, 1014-1009) N/A

- _____ Design option utilized (1014.1)
- _____ Seismic use group ("Category") (Table 1004.5, 1014.2)
- _____ Spectral response coefficients, S_{DS} & S_{D1} (1018.1)
- _____ Site class (1018.1.5)

- Other loads
- N/A Concentrated loads (1007.4)
- N/A Partition loads (1007.5)
- N/A Impact loads (1007.6)
- N/A Misc loads (Table 1007.4, 1007.8.1, 1007.7, 1007.12, 1007.10, 1012, 1011, 8484)

INTERIOR NON LOAD BEARING PARTITIONS BEING RELOCATED. ANCHORED TO RESIST INTL. INTERIOR LAT. PRESSURE ANCHORED w/ 4"x4" OIL MAY TOP OF FOOT.

WINTON SCOTT ARCHITECTS
 5 Milk Street
 PORTLAND, MAINE 04101

LETTER OF TRANSMITTAL

(207) 774-4811
 FAX (207) 774-3083

2/10/06		JOB NO.
ATTENTION		
ATTENTIO		
RE: <i>Courthouse Cellblock</i>		

TO _____
Mike Nugent

WE ARE SENDING YOU Attached Under separate cover via _____ the following items:

Shop drawings Prints Plans Samples Specifications

Copy of letter Change order _____

COPIES	DATE	NO.	DESCRIPTION
	--		<i>Info For 4 Hour Detention Area Existing</i>

THESE ARE TRANSMITTED as checked below:

For approval Approved as submitted Resubmit _____ copies for approval

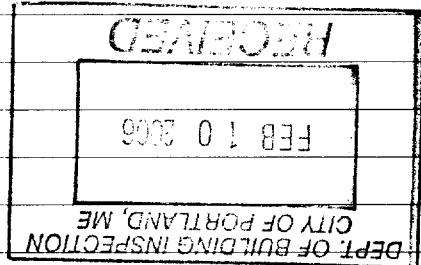
For your use Approved as noted Submit _____ copies for distribution

As requested Returned for corrections Return _____ corrected prints

For review and comment _____

FOR BIDS DUE _____ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____



COPY TO _____

SIGNED: *Mark Wilcox*

If enclosures are not as noted, kindly notify us at once.

mit a sphere with a diameter of 21 inches (533 mm) to pass through any opening.

4. In assembly seating areas, guards at the end of aisles where they terminate at a fascia of boxes, balconies and galleries shall have balusters or ornamental patterns such that a 4-inch-diameter (102 mm) sphere cannot pass through any opening up to a height of 26 inches (660 mm). From a height of 26 inches (660 mm) to 42 inches (1067 mm) above the adjacent walking surfaces, a sphere 8 inches (203 mm) in diameter shall not pass.

1012.4 Screen porches. Porches and decks which are enclosed with insect screening shall be provided with guards where the walking surface is located more than 30 inches (762 mm) above the floor or grade below.

1012.5 Mechanical equipment. Guards shall be provided where appliances, equipment, fans or other components that require service are located within 10 feet (3048 mm) of a roof edge or open side of a walking surface and such edge or open side is located more than 30 inches (762 mm) above the floor, roof or grade below. The guard shall be constructed so as to prevent the passage of a 21-inch-diameter (533 mm) sphere.

SECTION 1013 EXIT ACCESS

1013.1 General. The exit access arrangement shall comply with Sections 1013 through 1016 and the applicable provisions of Sections 1003 through 1012.

1013.2 Egress through intervening spaces. Egress from a room or space shall not pass through adjoining or intervening rooms or areas, except where such adjoining rooms or areas are accessory to the area served; are not a high-hazard occupancy and provide a discernible path of egress travel to an exit. Egress shall not pass through kitchens, storage rooms, closets or spaces used for similar purposes. An exit access shall not pass through a room that can be locked to prevent egress. Means of egress from dwelling units or sleeping areas shall not lead through other sleeping areas, toilet rooms or bathrooms.

Exceptions:

1. Means of egress are not prohibited through a kitchen area serving adjoining rooms constituting part of the same dwelling unit or sleeping unit.
2. Means of egress are not prohibited through adjoining or intervening rooms or spaces in a Group H occupancy when the adjoining or intervening rooms or spaces are the same or a lesser hazard occupancy group.

1013.2.1 Multiple tenants. Where more than one tenant occupies any one floor of a building or structure, each tenant space, dwelling unit and sleeping unit shall be provided with access to the required exits without passing through adjacent tenant spaces, dwelling units and sleeping units.

1013.2.2 Group 1-2. Habitable rooms or suites in Group 1-2 occupancies shall have an exit access door leading directly to an exit access comdor.

Exceptions:

1. Rooms with exit doors opening directly to the outside at ground level.
2. Patient sleeping rooms are permitted to have one intervening room if the intervening room is not used as an exit access for more than eight patient beds.
3. Special nursing suites are permitted to have one intervening room where the arrangement allows for direct and constant visual supervision by nursing personnel.
4. For rooms other than patient sleeping rooms, suites of rooms are permitted to have one intervening room if the travel distance within the suite to the exit access door is not greater than 100 feet (30 480 mm) and are permitted to have two intervening rooms where the travel distance within the suite to the exit access door is not greater than 50 feet (15 240 mm).

Suites of sleeping rooms shall not exceed 5,000 square feet (465 m²). Suites of rooms, other than patient sleeping rooms, shall not exceed 10,000 square feet (929 m²). Any patient sleeping room, or any suite that includes patient sleeping rooms, of more than 1,000 square feet (93 m²) shall have at least two exit access doors remotely located from each other. Any room or suite of rooms, other than patient sleeping rooms, of more than 2,500 square feet (232 m²) shall have at least two access doors remotely located from each other. The travel distance between any point in a Group I-2 occupancy and an exit access door in the room shall not exceed 50 feet (15 240 mm). The travel distance between any point in a suite of sleeping rooms and an exit access door of that suite shall not exceed 100 feet (30 480 mm).

1013.3 Common path of egress travel. In occupancies other than Groups H-1, H-2 and H-3, the common path of egress travel shall not exceed 75 feet (22 860 mm). In occupancies in Groups H-1, H-2, and H-3, the common path of egress travel shall not exceed 25 feet (7 620 mm).

Exceptions:

1. The length of a common path of egress travel in an occupancy in Groups B, F and S shall not be more than 100 feet (30 480 mm), provided that the building is equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1.
2. Where a tenant space in an occupancy in Groups B, S and U has an occupant load of not more than 30, the length of a common path of egress travel shall not be more than 100 feet (30 480 mm).
3. The length of a common path of egress travel in occupancies in Group 1-3 shall not be more than 100 feet (30 480 mm).

1013.4 Aisles. Aisles serving as a portion of the exit access in the means of egress system shall comply with the requirements of this section. Aisles shall be provided from all occupied portions of the exit access which contain seats, tables, furnishings, displays and similar fixtures or equipment. Aisles serving assembly areas, other than seating at tables, shall comply with

Section 1024. Aisles serving reviewing stands, grandstands and bleachers shall also comply with Section 1024.

The required width of aisles shall be unobstructed.

Exception: Doors, when fully opened, and handrails shall not reduce the required width by more than 7 inches (178 mm). Doors in any position shall not reduce the required width by more than one-half. Other nonstructural projections such as trim and similar decorative features are permitted to project into the required width 1.5 inches (38 mm) from each side.

1013.4.1 Groups B and M. In Group B and M occupancies, the minimum clear aisle width shall be determined by Section 1005.1 for the occupant load served, but shall not be less than 36 inches (914 mm).

Exception: Nonpublic aisles serving less than 50 people, and not required to be accessible by Chapter 11 need not exceed 28 inches (711 mm) in width.

1013.4.2 Seating at tables. Where seating is located at a table or counter and is adjacent to an aisle or aisle accessway, the measurement of required clear width of the aisle or aisle accessway shall be made to a line 19 inches (483 mm) away from and parallel to the edge of the table or counter. The 19-inch (483 mm) distance shall be measured perpendicular to the side of the table or counter. In the case of other side boundaries for aisle or aisle accessways, the clear width shall be measured to walls, edges of seating and tread edges, except that handrail projections are permitted.

Exception: Where tables or counters are served by fixed seats, the width of the aisle accessway shall be measured from the back of the seat.

1013.4.2.1 Aisle accessway for tables and seating. Aisle accessways serving arrangements of seating at tables or counters shall have sufficient clear width to conform to the capacity requirements of Section 1005.1 but shall not have less than the appropriate minimum clear width specified in Section 1013.4.1.

1013.4.2.2 Table and seating accessway width. Aisle accessways shall provide a minimum of 12 inches (305 mm) of width plus 0.5 inch (12.7 mm) of width for each additional 1 foot (305 mm), or fraction thereof, beyond 12 feet (3658 mm) of aisle accessway length measured from the center of the seat farthest from an aisle.

Exception: Portions of an aisle accessway having a length not exceeding 6 feet (1829 mm) and used by a total of not more than four persons.

1013.4.2.3 Table and seating aisle accessway length. The length of travel along the aisle accessway shall not exceed 30 feet (9144 mm) from any seat to the point where a person has a choice of two or more paths of egress travel to separate exits.

1013.5 Egress balconies. Balconies used for egress purposes shall conform to the same requirements as corridors for width, headroom, dead ends and projections. Exterior balconies shall

be designed to minimize accumulation of snow or ice that impedes the means of egress.

Exception: Exterior balconies and concourses in outdoor stadiums shall be exempt from the design requirement to protect against the accumulation of snow or ice.

1013.5.1 Wall separation. Exterior egress balconies shall be separated from the interior of the building by walls and opening protectives as required for corridors.

Exception: Separation is not required where the exterior egress balcony is served by at least two stairs and a dead-end travel condition does not require travel past an unprotected opening to reach a stair.

1013.5.2 Openness. The long side of an egress balcony shall be at least 50 percent open, and the open area above the guards shall be so distributed as to minimize the accumulation of smoke or toxic gases.

OCCUPANCY	MAXIMUM OCCUPANT LOAD
A, B, E, F, M, U	50
H-1, H-2, H-3	3
H-4, H-5, I-1, I-3, I-4, R	10
S	30

1014.1.1 Three or more exits. Access to three or more exits shall be provided from a floor area where required by Section 1018.1.

1014.2 Exit or exit access doorway arrangement. Required exits shall be located in a manner that makes their availability obvious. Exits shall be unobstructed at all times. Exit and exit access doorways shall be arranged in accordance with Sections 1014.2.1 and 1014.2.2.

1014.2.1 Two exits or exit access doorways. Where two exits or exit access doorways are required from any portion of the exit access, the exit doors or exit access doorways shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the building or area to be served measured in a

passageway is protected and pressurized in the same manner as the pressurized stairway.

1019.1.8.2 Enclosure access. Access to the stairway within a smokeproof enclosure shall be by way of a vestibule or an open exterior balcony.

Exception: Access is not required by way of a vestibule or exterior balcony for stairways using the pressurization alternative complying with Section 909.20.5.

SECTION 1020 EXIT PASSAGEWAYS

1020.1 Exit passageway. Exit passageways serving as an exit component in a means of egress system shall comply with the requirements of this section. An exit passageway shall not be used for any purpose other than as a means of egress.

1020.2 Width. The width of exit passageways shall be determined as specified in Section 1005.1 but such width shall not be less than 44 inches (1118 mm), except that exit passageways serving an occupant load of less than 50 shall not be less than 36 inches (914 mm) in width.

The required width of exit passageways shall be unobstructed.

Exception: Doors, when fully opened, and handrails, shall not reduce the required width by more than 7 inches (178 mm). Doors in any position shall not reduce the required width by more than one-half. Other nonstructural projections such as trim and similar decorative features are permitted to project into the required width 1.5 inches (38 mm) on each side.

1020.3 Construction. Exit passageway enclosures shall have walls, floors and ceilings of not less than 1-hour fire-resistance rating, and not less than that required for any connecting exit enclosure. Exit passageways shall be constructed as fire barriers in accordance with Section 706.

1020.4 Openings and penetrations. Exit passageway opening protectives shall be in accordance with the requirements of Section 715.

Except as permitted in Section 402.4.6, openings in exit passageways other than unexposed exterior openings shall be limited to those necessary for exit access to the exit passageway from normally occupied spaces and for egress from the exit passageway.

Where interior exit enclosures are extended to the exterior of a building by an exit passageway, the door assembly from the exit enclosure to the exit passageway shall be protected by a fire door conforming to the requirements in Section 715.3. Fire door assemblies in exit passageways shall comply with Section 715.3.4.

Elevators shall not open into an exit passageway.

1020.5 Penetrations. Penetrations into and openings through an exit passageway are prohibited except for required exit doors, equipment and ductwork necessary for independent pressurization, sprinkler piping, standpipes, electrical raceway for fire department communication and electrical raceway serving the exit passageway and terminating at a steel box not

exceeding 16 square inches (0.010 m²). Such penetrations shall be protected in accordance with Section 712. There shall be no penetrations or communicating openings, whether protected or not, between adjacent exit passageways.

SECTION 1021 HORIZONTAL EXITS

1021.1 Horizontal exits. Horizontal exits serving as an exit in a means of egress system shall comply with the requirements of this section. A horizontal exit shall not serve as the only exit from a portion of a building, and where two or more exits are required, not more than one-half of the total number of exits or total exit width shall be horizontal exits.

Exceptions:

1. Horizontal exits are permitted to comprise two-thirds of the required exits from any building or floor area for occupancies in Group 1-2.
2. Horizontal exits are permitted to comprise 100 percent of the exits required for occupancies in Group 1-3. At least 6 square feet (0.6 m²) of accessible space per occupant shall be provided on each side of the horizontal exit for the total number of people in adjoining compartments.

Every fire compartment for which credit is allowed in connection with a horizontal exit shall not be required to have a stairway or door leading directly outside, provided the adjoining fire compartments have stairways or doors leading directly outside and are so arranged that egress shall not require the occupants to return through the compartment from which egress originates.

The area into which a horizontal exit leads shall be provided with exits adequate to meet the occupant requirements of this chapter, but not including the added occupant capacity imposed by persons entering it through horizontal exits from another area. At least one of its exits shall lead directly to the exterior or to an exit enclosure.

1021.2 Separation. The separation between buildings or areas of refuge connected by a horizontal exit shall be provided by a fire wall complying with Section 705 or a fire barrier complying with Section 706 and having a fire-resistance rating of not less than 2 hours. Opening protectives in horizontal exit walls shall also comply with Section 715. The horizontal exit separation shall extend vertically through all levels of the building unless floor assemblies are of 2-hour fire resistance with no unprotected openings.

Exception: A fire-resistance rating is not required at horizontal exits between a building area and an above-grade pedestrian walkway constructed in accordance with Section 3104, provided that the distance between connected buildings is more than 20 feet (6096 mm).

Horizontal exit walls constructed as fire barriers shall be continuous from exterior wall to exterior wall so as to divide completely the floor served by the horizontal exit.

1021.3 Opening protectives. Fire doors in horizontal exits shall be self-closing or automatic-closing when activated by a