

BUILDING EVALUATION SUMMARY (Table 3410.7)

Existing occupancy	Year building was constructed	Number of stories	Area per floor	Type of construction	Proposed occupancy	Height in feet		
Percentage of frontage	Completely suppressed:	Yes	No	Corridor wall rating	Required door closers:	Yes	No	
Compartmentation:	Yes	No	Fire resistance rating of vertical opening enclosures	Type of HVAC system	Number of floors	Automatic fire detection:	Yes	No
Fire alarm system:	Yes	No	Smoke control:	Yes	No	Adequate exit routes:	Yes	No
Maximum exit access travel distance	Yes	No	Dead ends:	Yes	No	Elevator controls:	Yes	No
Means of egress emergency lighting:	Yes	No	Mixed occupancies:	Yes	No	Fire safety (FS)	Yes	No
Safety parameters	Fire safety (FS)	Means of egress (ME)	General safety (GS)					

3410.6.1 Building height	3410.6.2 Building area	3410.6.3 Compartmentation	3410.6.4 Tenant and dwelling unit separations	3410.6.5 Corridor walls	3410.6.6 Vertical openings	3410.6.7 HVAC systems	3410.6.8 Automatic fire detection	3410.6.9 Fire alarm system	3410.6.10 Smoke control	3410.6.11 Means of egress	3410.12 Dead ends	3410.13 Max. exit access travel distance	3410.6.14 Elevator control	3410.6.15 Means of egress emergency lighting	3410.6.16 Mixed occupancies	3410.6.17 Automatic sprinklers	3410.6.18 Incidental use area protection	Building score — total value	
****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****

BUILDING SAFETY EVALUATION SCORE (Table 3410.9)

Formula	Table 3410.7	Table 3410.8	Score	Pass	Fail
FS-MFS ≥ 0	(FS)	(MFS)	=		
ME-MME ≥ 0	(ME)	(MME)	=		
GS-MGS ≥ 0	(GS)	(MGS)	=		
FS = Fire Safety	MFS = Mandatory Fire Safety	MME = Mandatory Means of Egress	MGS = Mandatory General Safety		

APPENDICES A - J

Appendices adopted (101.2.1) Compliance verified

INTERNATIONAL BUILDING CODE
2003 INTERNATIONAL BUILDING CODE
PLAN REVIEW RECORD

Plan Review # 050302
 Date: 04/15/05
 Valuation: 60,000.00
 Fee: 6056.00

JURISDICTION: PORTLAND
 BUILDING LOCATION: 326 PRESUMPSOR ST.
 (City, County, Township, etc.)
 BUILDING DESCRIPTION: 60 x 75 STEEL BUILDING

REVIEWED BY: [Signature]

NUMERALS INDICATED IN PARENTHESES ARE APPLICABLE CODE SECTIONS OF THE 2003 INTERNATIONAL BUILDING CODE. THE PLAN REVIEW ACCOMPLISHED AS INDICATED IN THIS RECORD IS LIMITED TO THOSE CODE SECTIONS SPECIFICALLY IDENTIFIED HEREIN. THIS RECORD REFERENCE 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 JUDGMENT IN EVALUATING CONSTRUCTION DOCUMENTS FOR CODE COMPLIANCE.

CORRECTION LIST

No.	DESCRIPTION	Code Section
1	MEZZANINE w/ SHOWER IN ACCESS	5/4/05
2	W/LED UL'S ON FIRE SEPARATOR	ASSEMBLIES
3	WHAT WILL BE IN MECHANICAL ROOM + WHAT ABOUT VENTILATION	MARK UP AIR.
4	NEED FRAME DETAIL + SPECIFY LOADS FOR GUARDS + SPIRAL	
5	RISERS IN SPIRAL MUST BE "COSSO"	
6	NEED CROSS SECTIONAL LOOK @ SPIRAL	
7	NEED - GUARD LOADY DETAIL	SPIRAL



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INTERIOR ENVIRONMENT (Chapter 12)

Ventilation openings (1203)	_____
Temperature control (1204)	_____
Lighting (1205)	_____
Yards or courts (1206)	_____
Sound transmission (1207)	_____
Interior space dimensions (1208)	_____
Access to unoccupied spaces (1209)	_____
Surrounding materials (1210, 2509)	_____

BUILDING ENVELOPE (Chapters 13*, 14, 15)

*See Energy Conservation Code Plan Review Record

EXTERIOR WALLS (Chapter 14)

Performance requirements (1403)	_____
Exterior wall coverings/MCM's (1405, 1407)	_____
Materials (1404)	_____
Combustible material restrictions (1406)	_____

ROOF ASSEMBLIES AND ROOFTOP STRUCTURES (Chapter 15)

Weather protection (1503)	_____
Materials (1506)	_____
Roof coverings (1507)	_____
Roof insulation (1508)	_____
Roof structures (1509)	_____
Reroofing (1510)	_____
Fire classification (1505)	_____
Performance requirements (1504)	_____
Flashing (1503.2, 1507.2.9, 1507.3.9, 1507.5.6, 1507.7.6, 1507.8.7, 1507.9.8)	_____

STRUCTURAL SYSTEMS (Chapters 16, 17, 18)

STRUCTURAL DESIGN (Chapter 16) SEE PAGE 50

Structural Design Calculations	_____
Submitted for all structural members (106.1, 106.1.1)	_____
Roof live loads (1603.1.2, 1607.11)	_____
Live load reduction (1603.1.1, 1607.9, 1607.10)	_____
Roof snow loads (1603.1.3, 1608)	_____
Ground snow load, P_g (1608.2)	_____
If $P_g > 10$ psf, flat-roof snow load, P_f (1608.3)	_____
If $P_g > 10$ psf, snow exposure factor, C_e (Table 1608.3.1)	_____
If $P_g > 10$ psf, snow load importance factor, I_s (Table 1604.5)	_____
Roof thermal factor, C_t (Table 1608.3.2)	_____
Sloped roof snowload, P_s (1608.4)	_____

DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1603)

Uniformly distributed floor live loads (1603.1.1, 1607)

Floor Area Use Loads Shown

MEZ 24N1W1E5

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

ADMINISTRATION (Chapter 1)

Complete construction documents (106.1, 106.2)	_____
Signed/sealed construction documents (106.1, State laws vary)	_____

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

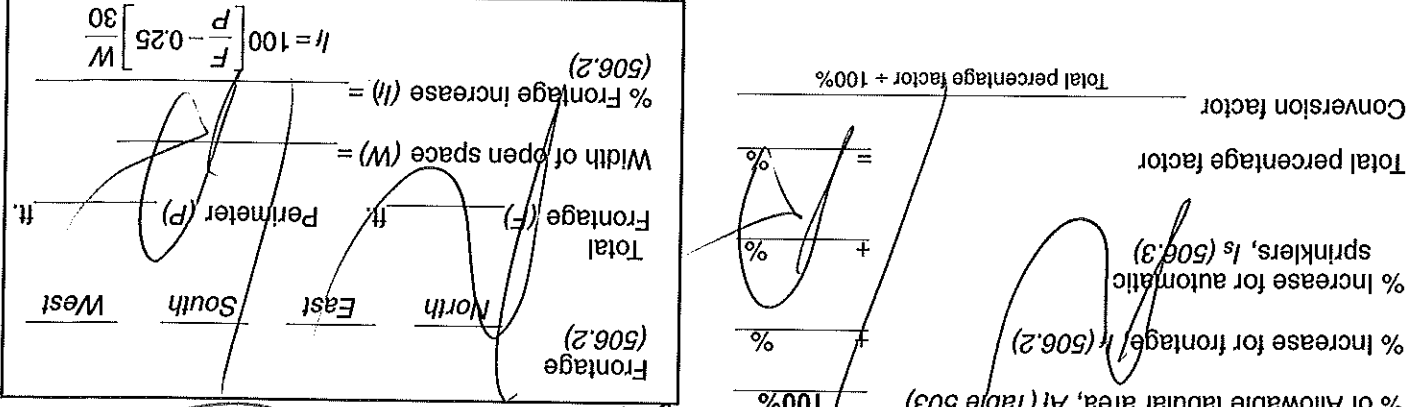
OCCUPANCY CLASSIFICATION (302.0-312.0)

Single Occupancy (302.1)	_____
Mixed Occupancy (302.3)	_____
Accessory use areas (302.2)	_____
Incidental use areas (302.1.1)	_____

GENERAL BUILDING LIMITATIONS (Chapters 5 & 6)

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

AREA MODIFICATIONS TO TABLE 503



CASE 1 — SINGLE OCCUPANCY OR NONSEPARATED USES (302.3.1)

Using Table 503, identify the allowable height and area of the single occupancy or the most restrictive of the nonseparated mixed occupancies. Construction types that provide an allowable tabular area equal to or greater than the adjusted building area and allowable heights (as modified by Section 504) equal to or greater than the actual building height are permitted.

CHECK ALLOWABLE AREA (506.4)

Allowable area per floor (A_a) without Bonus = $\frac{\text{conversion factor} \times \text{tabular area (Table 503)}}{\text{number of stories}}$

Total floor area (all stories) = $\frac{9000 \text{ sq ft}}{1}$

Allowable floor area (all stories) = $\frac{9000 \text{ sq ft}}{1}$

Allowable area per floor (A) (maximum 3) = $\frac{\text{number of stories}}{\text{number of stories}}$

Compliance verified (Single Occ. or Nonsep.) *2/2/15*

OCCUPANT NEEDS (Chapters 10, 11, 12)

MEANS OF EGRESS (Chapter 10)

CAPACITY OF EGRESS COMPONENTS
(1005.1 and Table 1005.1)

OCCUPANT LOAD (1004.1.2 and Table 1004.1.2)

Location	Floor	Sq. ft.	Oct.	Area + person = load	Other	Oct.	Other	loads	Total
APPEROX									
10									
BEARU									
SPARK FROM MECHANICAL ROOM									
1ST FLR									
2ND FLR									
Location									
Required									
Shown									
NUMBER OF EXITS (1018.1, 1018.2)									

Egress width (inch/occupant)
Stairways
Other egress components
None

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

FIRE-RESISTANCE-RATED CONSTRUCTION (Tables 601 & 602 and Chapter 7)

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

Construction classification (602)

COMBUSTIBILITY (602.2, 602.3, 602.4, 602.5, 603)

Exterior walls

Interior elements

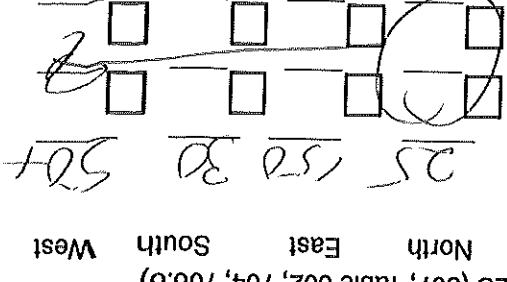
Roof

FIRE-RESISTANCE RATINGS AND FIRE TESTS (703)

Ratings / Combustibility (703.2, 703.4)

Alternative methods (703.3, 718, 720, 721)

Fire separation distance
Bearing
Nonbearing



EXTERIOR WALLS (507, Table 602, 704, 706.6)

Roof construction (711)

Floor construction (711)

Interior nonbearing walls

Interior bearing walls

Structural frame (714)

BUILDING ELEMENTS (Table 601)

Organic coatings manufacturing (418)

Drying rooms (417)

Application of flammable finishes (416)

Groups H-1, H-2, H-3, H-4, and H-5 (415)

Hazardous materials (307.9, 414)

Combustible storage (413)

Aircraft-related occupancies (412)

Special amusement buildings (411)

Stages and platforms (410)

Motion picture projection rooms (409)

Group I-3 (408)

Group I-2 (407)

Motor vehicle related occupancies (406, 508)

Underground structures (405)

OTHER SPECIAL USE AND OCCUPANCY

HIGH-RISE BUILDINGS (403)

Automatic sprinkler system (403.2)

Fire-resistance rating reduction (403.3)

Automatic fire detection (403.5)

Emergency voice/alarm systems (403.6)

Fire department communication (403.7)

Fire command center (403.8)

Elevators (403.9)

Standby power (403.10)

Emergency power (403.11)

Stairway doors (403.12)

Smokeproof exit (403.13)

ATRIUMS (404)

Atrium use (404.2)

Automatic sprinkler system (404.3)

Smoke control (404.4)

Enclosure (404.5)

Standby power (404.6)

Interior finish (404.7)

Travel distance (404.8)