

CODE ANALYSIS

PORTLAND PUBLIC SCHOOLS CENTRAL KITCHEN PORTLAND, MAINE

NFPA 101 Life Safety Code - 20012 Edition

Building Classification:	Industrial – 12,500 SF Renovation
	Building Total Floor Area = 20,250 SF Multiple Tenants
Hazard Classification:	Ordinary Hazard
Construction Type:	Type II (000)
Occupant Loads:	12,500 SF Industrial @ 100 sf/occupant = 125 occupants
Separation of Use Rating:	2 hour (1 Hour)
Janitor, Mech, Stor Rating:	1 hour

Building Uses Industrial

“(x)” denotes if building is fully sprinkled

Max. Allowable Travel Distance:	200' (250')
Max. Allowable Common Path:	50' (100')
Max. Dead End Corridor Length:	50'
Minimum Egress Corridor Width:	44"
Minimum Number of Required Exits	2
Minimum Horz Egress Enclosure rating:	1 hr (none)
Minimum Separation of exits:	84' (56')
Minimum Egress Door Width:	36"

Exit Lighting:	Required
Emergency Lighting:	Required
Fire Alarm System:	Required
Fire Sprinkler System:	Required
Portable Fire Extinguishers:	Required
Exit Devices/Panic Hardware	Required

2009 International Building Code

“(x)” denotes if building is fully sprinkled

Use Group Classification:	Factory – Use Group F1
Construction:	Type II – Non-Combustible, Unprotected
Occupant Loads:	F1 @ 200 sf/occupant = 63 occupants (at Commercial Kitchen renovation)
Area Use Separation Ratings:	2 hour (1 Hour)
Janitor, Mech & Storage Rooms:	1 hour

Building Limitations

Construction Type:	IIB Unprotected
Maximum Height:	2 story / 30' (+1 story/20') @ F1
Maximum Area / Floor:	15,500 sf (Unlimited) @ F1
Actual Area/Height:	20,250 SF & 1 Story

Fire Resistance Ratings

Load Bearing Exterior Walls:	None
Fire Separation of Uses:	2 Hours (1 hour)
Exit Corridors:	1 hour (none)

Minimum Number of Exits:	2 per occupancy
Maximum Dead End Corridor Length:	20'
Maximum Common Travel Path:	75' (100')
Maximum Travel Distance:	200' (250') @ F1
Minimum Corridor Width:	44"

Fire Alarm System:	Required
Fire Sprinkler System:	Required
Portable Fire Extinguishers:	Required
Exit Lighting	Required
Emergency Lighting	Required

Building Live Loads

Corridors:	100 psf
Storage:	125 psf @ light; 250 psf @ heavy

End of Analysis