## NFPA LEGEND

- EXIT LIGHT
- FIRE EXTINGUISHER w/ BRACKET
- FIRE EXTINGUISHER w/ SEMI-RECESSED CABINET
- EMERGENCY LIGHT
- SMOKE DETECTOR w/ AUDIBLE BASE
- KNOX BOX
- ANNUNCIATOR PANEL

## OCCUPANT LOADS

| | |
|---|---|
| NFPA 101 LIFE SAFETY (2012 ED.) | 258 (BULK AREA) |
| IBC (2012 ED) | 258 (OCC. TABLE) 1004.1.1 |

## CODE COMPLIANCE PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. KNOX BOX LOCATION SHALL BE VERIFIED BY THE AHJ.
2. ANNUNCIATION PANEL LOCATION SHALL BE VERIFIED w/ THE AHJ.
3. ALARM SYSTEM SHALL BE INTERCONNECTED THROUGHOUT BUILDING.
4. REFER TO SHEET A4 FOR ACCESSIBILITY DETAILS & NOTES.

## CODE ANALYSIS

NFPA 101 LIFE SAFETY CODE - 2012 Edition

| | |
|---|---|
| Building Classification: | 9,900 sf Total - Assembly (6,900 sf) & Storage (3,000 sf) |
| Construction Type: | II/000 |
| Hazard Classification: | Ordinary Hazard |
| Occupant Loads: | Meeting/Flex @ 15 sf/occupant = 165 |
| | Exercise Room (cardio) @ 15 sf/occupant = 32 |
| | Exercise Room (equipment) @ 50 sf/occupant = 30 |
| | Lockers @ 50 sf/occupant = 24 |
| | Storage/Custodial @ 500 sf/occupant = 6 |
| | Total Occupant Load = 258 |
| Separation of Use Rating: | 1 hour |
| Janitor, Mech, Stor Rating: | 1 hour if over 100 sf |
| Minimum Headroom: | 7'-6" at occupied areas |

| Building Uses | Assembly/Storage |
|---|---|
| Max. Allowable Travel Distance: | 200' |
| Max. Allowable Common Path: | 75' |
| Max. Dead End Corridor Length: | 20' |
| Minimum Egress Corridor Width: | 44" |
| Minimum Number of Required Exits | 2 |
| Minimum Exit Access Corridor rating: | 1 hr |
| Separation of exits: | 0.5 diagonal distance = 94' |
| Minimum Egress Door Width: | 36" |
| Exit Lighting: | Required |
| Emergency Lighting: | Required |
| Fire Alarm System: | Not Required |
| Fire Sprinkler System: | Not Required |
| Portable Fire Extinguishers: | Required |

2009 INTERNATIONAL BUILDING CODE

| | |
|---|---|
| Use Group Classification: | 9,900 sf Total - A-3 @ 6,900 sf / S-2 @ 3,000 sf |
| Occupant Loads: | Meeting/Flex @ 15 sf/occupant = 165 |
| | Exercise Room (cardio) @ 15 sf/occupant = 32 |
| | Exercise Room (equipment) @ 50 sf/occupant = 30 |
| | Lockers @ 50 sf/occupant = 24 |
| | Storage/Custodial @ 500 sf/occupant = 6 |
| | Total Occupant Load = 258 |
| Area Use Separation Ratings: | 1 hour |
| Janitor, Mech & Storage Rooms: | 1 hour if over 50 sf but under 100 sf |

Building Limitations

| | |
|---|---|
| Construction Type: | 2B |
| Maximum Height: | 2 story @ A-3 / 3 story @ S-2 |
| Maximum Area / Floor: | 9,500 sf @ A-3 / 26,000 sf @ S-2 |

Fire Resistance Ratings

| | |
|---|---|
| Structural Frame | None |
| Load Bearing Exterior Walls: | None |
| Load Bearing Interior Walls: | None |
| Roof/Floor Structure | None |
| Exit Corridors: | 1 hour |

| | |
|---|---|
| Minimum Number of Exits: | 2 |
| Maximum Exit Travel Distance: | 200' @ A-3 / 300' @ S-2 |
| Maximum Dead End Corridor Length: | 20' |
| Maximum Common Travel Path: | 75' |
| Minimum Corridor Width: | 44" |
| Fire Alarm/Detection System: | Not Required |
| Fire Sprinkler System: | Not Required |
| Portable Fire Extinguishers: | Required |
| Exit Lights | Required |
| Emergency Lighting | Required |

Building Live Loads

| | |
|---|---|
| Assembly: | 100 psf |
| Corridors: | 80 psf |
| Light Storage: | 125 psf |

MUBEC (Maine Uniform Building Energy Code) MINIMUM INSULATION VALUES
Per 2009 IECC, Table 502.1.2, 502.2(1) and 502.3

| ZONE 6A | R-VALUE | U-FACTOR | SHGC |
|---|---|---|---|
| Exterior wall | 20.5 | 0.049 | NA |
| Roof (above deck) | 20.0 | 0.048 | NA |
| Slab (24" band) | 15.0 | 0.052 | NA |
| Frost Wall | 7.5 | 0.133 | NA |
| Doors - Opaque | 2.0 | 0.50 | NA |
| Doors - Glazed | 1.25 | 0.80 | NR |
| Windows | 2.9 | 0.35 | NR |
| Storefront | 2.2 | 0.45 | NR |

Reviewed for Code Compliance
Inspection Services
Portland, Maine
Date: 10/15/15

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SEAL

LICENSED ARCHITECT
MICHAEL F. HAYS
No. 1724
STATE OF MAINE

Michael F. Hays

REVISIONS

1 8.26.15 DOORS 101, 102, 103 & 109

DRAWING NAME

TENANT IMPROVEMENTS
DEERFIELD 91 INDUSTRIAL LLC

81 INDUSTRIAL WAY
PORTLAND, MAINE

SHEET

CODE COMPLIANCE PLAN

DATE 27 JUL '15

SCALE 1/8"=1'-0"

DRAWN MFH/mgk

JOB NO. 150791

SHEET A1

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