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REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

CITY OF PORTLAND
OCEAN GATEWAY PHASE 1
LIFE SAFETY PLAN

DATE 10/15/05
P. LICENSE NUMBER
SIGNATURE

STATE OF MAINE
LICENSED ARCHITECT
G. RAMOS
NO. 2645

ASSOCIATION WITH:
GERRILL PALMER CONSULTING ENGINEERS
PEARSON, NOTTINGHAM, & DRAKE
WINTON SCOTT ARCHITECTS
HALEY & ALDRICH

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LEGEND:
 (A) OCCUPANT LOAD / AREA
 (B) TRAVEL DISTANCE
 (C) GROSS SQUARE FOOT AREA
 → STAIR OR DOOR EXIT CAPACITY
 (D) ASSEMBLY (WAITING, CONCENTRATED, W/NOT FIXED CHAIRS). USE # 1 SPRINKLER
 (E) ASSEMBLY (WAITING, CONCENTRATED) USE # 3
 (F) ASSEMBLY (NO OCCUPANCY)
 (G) OFFICE USE #100 SF/PERSON
 (H) MECHANICAL #300 SF/PERSON
 (I) STORAGE USE #300 SF/PERSON
 (J) FIRE-RATED DOOR AND FRAME 1 1/2" HRS.
 (K) FIRE RATED WALL / PARTITION (HRS. AS NOTED)
 FE-1 SURFACE MOUNTED FIRE EXTINGUISHER & CABINET ABC TYPE 2-A RATED
 FE-2 SEMI-RECESSED FIRE EXTINGUISHER & CABINET ABC TYPE 2-A RATED
 (L) INTERNALLY ILLUMINATED EXIT SIGN
 CLEAR WIDTH OF DOOR, RAMP OR STAIR IN INCHES
 TOTAL MAX EXIT CAPACITY ALLOWABLE

NOTE:
 ALL LOAD FACTORS ARE TAKEN FROM THE 2003 BOCA NATIONAL BUILDING CODE (UNLESS NOTED OTHERWISE)
 NOTE:
 ONE FIRE EXTINGUISHER SHALL BE PROVIDED FOR EVERY 3000 SQ. FT. WITH A MAXIMUM DISTANCE OF TRAVEL NOT EXCEEDING 15'-0". TOP OF EXTINGUISHER NOT TO EXCEED 5'-0" ABOVE FLOOR FINISH.
 ALL FIRE EXTINGUISHERS PROVIDED WILL BE A MIN 2A 10BC.

CODE SUMMARY
 BOCA 1999 AND NFPA
 OCCUPANCY GROUP GROUP A3 - ASSEMBLY, TERMINALS.
 BUILDING TYPE:
 TYPE 2C
 -EXTERIOR WALLS
 -LOADBEARING: 0 HRS. FIRE RATED (F.R.)
 -NON LOADBEARING: 0 HRS. F.R.
 -FIRE PARTY WALLS: 2 HRS. F.R.
 -FIRE ENCLOSURE OF EXITS: 2 HRS. F.R.
 -SHAFTS (INCLUDE ELEVATOR): 2 HRS. F.R.
 -INTERIOR LOADBEARING WALLS, LOADBEARING BOCA TRUSSES AND BEAMS, TRUSSES (OTHER THAN SUPPORTING MORE THAN ONE FLOOR): 0 HRS. F.R.
 -STRUCTURAL MEMBER SUPPORTING WALL: 0 HR. F.R.
 -FLOOR CONSTRUCTION INCL. BEAMS, TRUSSES, FRAMING AND FLOOR FINISH: 0 HR. F.R.
 -ROOF CONSTRUCTION INCL. BEAMS, TRUSSES, FRAMING AND ROOF FINISH: 0 HR. F.R.
 -DECK HEIGHT OF LOWER MEMBER: 0 HR. F.R.
 -DECK HEIGHT OF UPPER MEMBER: 0 HR. F.R.
 -MORE THAN 15' BUT LESS THAN 20': 0 HR. F.R.
 -MORE THAN 20': 0 HR.

EGRESS WIDTHS: NFPA (MOST RESTRICTIVE)
 DOORS: 180 PERSONS / PGRESS UNIT 2 INCH/PERSON (SIMPLE DOOR)
 360 PERSONS / PGRESS UNIT 2 INCH/PERSON (DOUBLE DOOR)
 STAIRS: 3 INCH/PERSON
 RAMPS: 2 INCH/PERSON

ALLOWABLE AREAS: AREAS OF BUILDINGS OVER ONE STORY (FEET FLOOR)
 6400 sq.ft. x 200% (5063 BOCA) = 16,800 sq.ft.
 EXPOSED AREA: 8156 sq.ft. FIRST FLOOR
 1750 SECOND FLOOR 350 MEZZ FLOOR
 30' x 20' (5042 BOCA) = 50
 2 LEVELS x 1 (5042 BOCA) = 3 FLOORS.
 EXPOSED LEVELS: 2 FLOORS W/MEZZANINE.

ALLOWABLE HEIGHT:
 MAX. TRAVEL DIST.: 250'-0" SPRINKLERED
 MAX. DEAD END: 20 FEET
 NO. OF EXITS REQD: 4 (OCCUPANT LOAD, MORE THAN 1000)
 DISTANCE BETWEEN EXITS REQD: D2 > D1 / 3 (124" / 3 < 362")
 W/AUTOMATIC SPRINKLER SYSTEM

OCCUPATION TOTALS:
 1021 OCCUPANTS * PIER FLOOR
 804 OCCUPANTS * SECOND FLOOR
 3 OCCUPANTS * MEZZANINE FLOOR
 1828 TOTAL OCCUPANTS

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

FIRST FLOOR LIFE SAFETY PLAN

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