

Filename: \\server1\projects\02.0818 Maine Int Ferry Terminal\PHASE 1\Architecture\FINAL CONSTRUCTION DOCUMENTS\RECEIVING STATION\20343602-R-A101.dwg, Oct 07, 2004 - 6:26pm

LEGEND:

- (OL) OCCUPANT LOAD / AREA
- (TD) TRAVEL DISTANCE
- (SF) GROSS SQUARE FOOT AREA
- STAIR OR DOOR EXIT CAPACITY
- (A) ASSEMBLY (WAITING, CONCENTRATED W/NOT FIXED CHAIRS) USE @ 1 SF/PERSON
- (A) ASSEMBLY (WAITING CONCENTRATED) USE @3 SF/PERSON
- (A) ASSEMBLY (WAITING UNCONCENTRATED) USE @15 SF/PERSON
- (AC) ACCESSORY USE ('NO OCCUPANCY')
- (M) MECHANICAL @300 SF/PERSON
- (O) OFFICE USE @100 SF/PERSON
- (S) STORAGE USE @300 SF/PERSON
- (F) FIRE-RATED DOOR AND FRAME 'B' LABEL 1 1/2 HRS.
- 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
- (E) INTERNALLY ILLUMINATED EXIT SIGN
- CLEAR WIDTH OF DOOR, RAMP OR STAIR IN INCHES
- (36" 100) TOTAL MAX. EXIT CAPACITY ALLOWABLE

NOTE:

ALL LOAD FACTORS ARE TAKEN FROM THE BOCA NATIONAL BUILDING CODE

NOTE:

ONE FIRE EXTINGUISHER SHALL BE PROVIDED FOR EVERY 3000 SQ. FT. WITH A MAXIMUM DISTANCE OF TRAVEL NOT EXCEEDING 75'-0". TOP OF EXTINGUISHER NOT TO EXCEED 5'-0" ABOVE FLOOR FINISH.

ALL FIRE EXTINGUISHERS PROVIDED WILL BE A MIN 2A 10BC AND SHALL BE RECESSED IN WALL CABINETS.

CODE SUMMARY

BOCA BUILDING CODE 2003 AND NFPA

OCCUPANCY GROUP GROUP A3 - ASSEMBLY, TERMINALS.

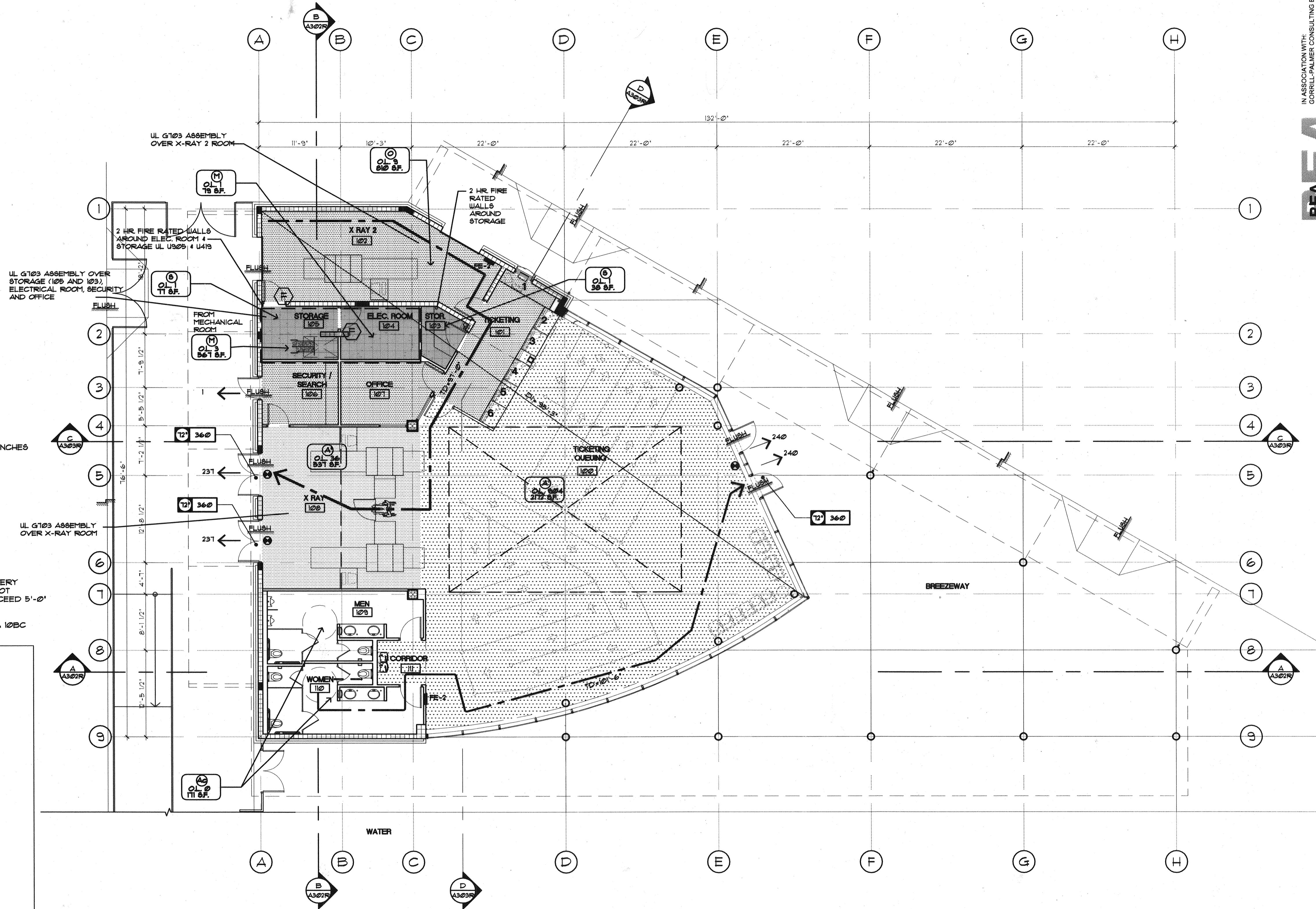
BUILDING TYPE:
LOWER LEVEL TYPE 3B

- EXTERIOR WALLS LOADBEARING: 2 HRS. FIRE RATED (F.R.)
- EXTERIOR WALLS 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 PARTITION, COLUMNS, GIRDERS, TRUSSES (OTHER THAN ROOF TRUSSES) AND FRAMING SUPPORTING MORE THAN ONE FLOOR: 0 HRS. F.R.
- SUPPORTING ONE ROOF ONLY OR A ROOF: 0 HR. F.R.
- STRUCTURAL MEMBER SUPPORTING WALL 0 HR. F.R.
- FLOOR CONSTRUCTION INCL. BEAMS 0 HR. F.R.
- ROOF CONSTRUCTION INC. BEAMS, TRUSSES, FRAMING AND ROOF DECK 15' OR LESS HEIGHT OF LOWER 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)

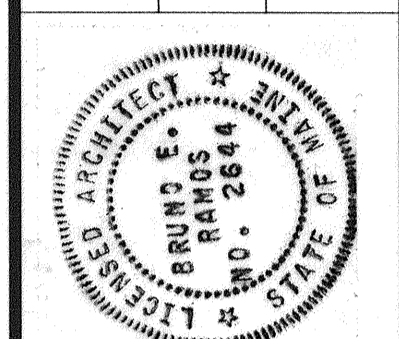
- DOORS:** 180 PERSONS P/EGRESS UNIT (SIMPLE DOOR) 2 INCH/PERSON
- 360 PERSONS P/EGRESS UNIT (DOUBLE DOOR) 2 INCH/PERSON
- STAIRS:** 3 INCH/PERSON
- RAMP:** 2 INCH/PERSON

- ALLOWABLE AREAS:** AREAS OF BUILDINGS OVER ONE STORY, 8,400 sq.ft. x 200% (5042 BOCA) = 16,800 sq.ft.
- ALLOWABLE HEIGHT:** 30' + 20' (5042 BOCA) = 50'
- 2 LEVELS + 1 (5042 BOCA) = 3 FLOORS.
- MAX. TRAVEL DIST.:** 250'-0" SPRINKLERED
- MAX. DEAD END:** 20 FEET
- No. OF EXITS REQD:** 3 EXITS (OCCUPANT LOAD: 501-1000)
- DISTANCE BETWEEN EXITS REQD:** D2 > D1 / 3 (140 1/2' / 3 < 70 2/3')
- W/AUTOMATIC SPRINKLER SYSTEM



IN ASSOCIATION WITH:
BEA
 BEA CONSULTING ENGINEERS
 1000 WASHINGTON ST
 WINTON SCOTT ARCHITECTS
 HALEY & ALDRICH

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 PROJECT NUMBER 009215.00
 PIN 009215.00



PROJ. MGR.	DATE	BY	DATE	REVISION
PAUL POTTLE	09/09/04	A.R.S.	09/09/04	DESIGN-DETAILED
		B.L.R.	09/09/04	CHECKED-REVIEWED
				DESIGN-DETAILED2
				DESIGN-DETAILED3
				REVISIONS 1
				REVISIONS 2
				REVISIONS 3
				REVISIONS 4
				FIELD CHANGES

CITY OF PORTLAND
 OCEAN GATEWAY PHASE 1
 LIFE SAFETY PLAN
 GROUND FLOOR

A-101-R

LIFE SAFETY PLAN
 SCALE: 1/8" = 1'-0"