

Maine Eye Center - Stroudwater Crossing
 PORTLAND, MAINE

JOB NO.
09-006

DRWN. CHK
AJR

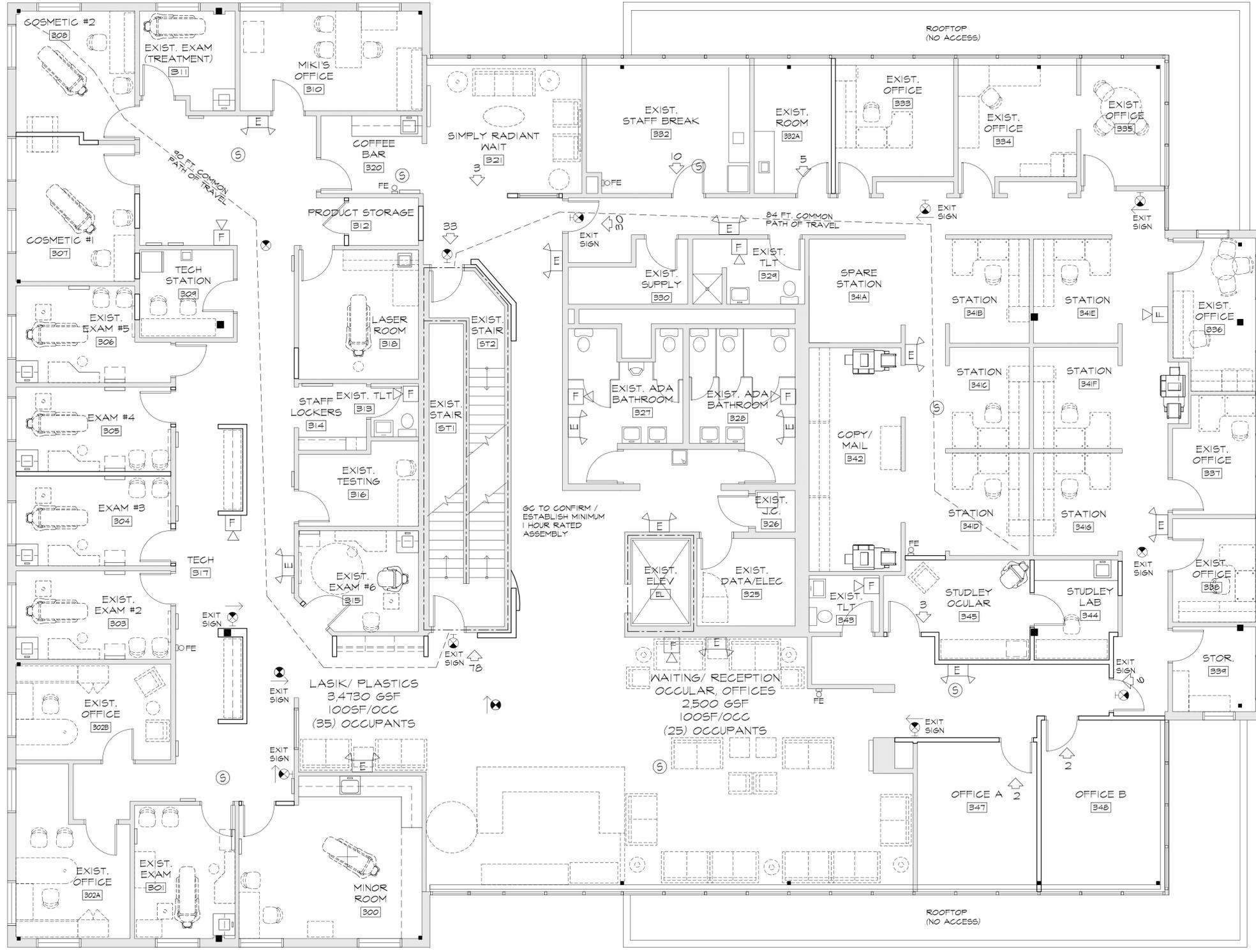
SCALE:
AS NOTED

ISSUE
07 APRIL 2009

TITLE
LIFE SAFETY PLAN

SHEET

LS



LIFE SAFETY & BUILDING CODE COMPLIANCE SUMMARY	
Building Code:	IBC 2003
Life Safety Code:	NFPA 2006
Occupancy:	Existing Business
General Building Heights and Areas	
Allowable Height and Building Areas	Table 503 Business
Tabular Area (At)	23,000 sf/floor
Height	4 stories
Area Modifications	- 506
Overall space	
Aa = At + [(At x If y/100) + [(At x Is y/100)	
At = 23000, If = 0%, Is = 300%	
Aa = 23000 + [(23000 x 0)/100] + [(23000 x 300)/100]	
Aa = 92,000 sf	
Actual sf = 32,288 sf	
Frontage Increase	- 506.2
If = 100 (F/P - .25) W/30	
If = 100 (614/850 - .25) 30/30 = 47%	
Types of Construction	
IBC: Type VB, main structure IIB, VB due to wood framed unoccupied level in previously occupied space	
Fire Protection Systems	
Existing sprinkler system to be (re)certified NFPA compliant automatic sprinkler system.	
Most Restrictive Means of Egress Component Parameters	
Max Exit Travel Distance	IBC 1015.1 & NFPA 39.2.6.1 = 300ft
Min Corridor Width	7.3.4.1 - 36" (occupant loads < 50)
Min Egress Width	Table 7.3.3.1 (2 in/person)
Max Dead End Corridor	39.2.5.2 (50 ft)

1 LIFE SAFETY PLAN
 3/16"=1'-0"

GRAPHIC KEY

9,355 SQUARE FEET

- COMMON PATH OF TRAVEL
- FIRE ALARM HORN / STROBE LIGHT
- EMERGENCY LIGHTING
- SMOKE DETECTOR
- FE LOCATION, REUSE EXIST. WHERE ACCEPTABLE
- SHADED AREA DESIGNATES DISPLAY SIDE
- CILING MOUNTED EXIT SIGN
- ARROW SHOWS DIRECTIONAL SIGNAL
- SHADED AREA DESIGNATES DISPLAY SIDE
- WALL MOUNTED EXIT SIGN
- OCCUPANT LOAD

