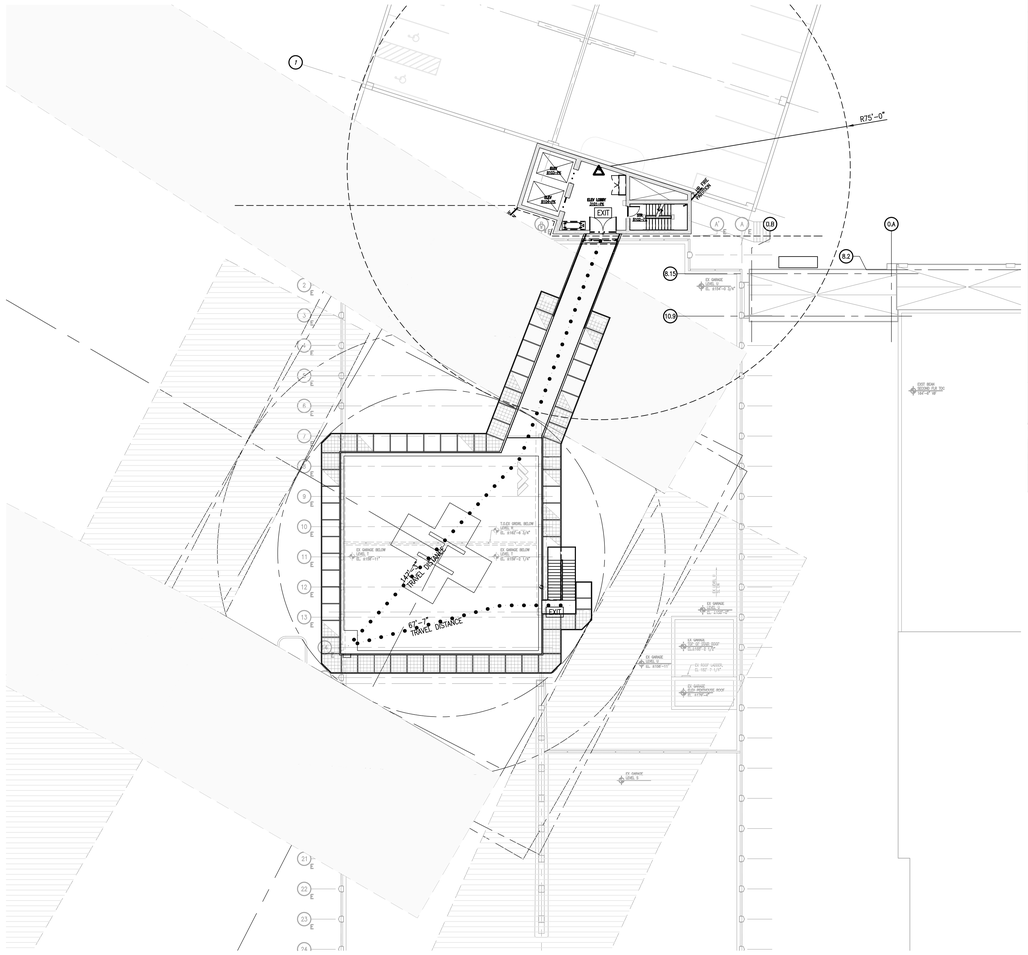
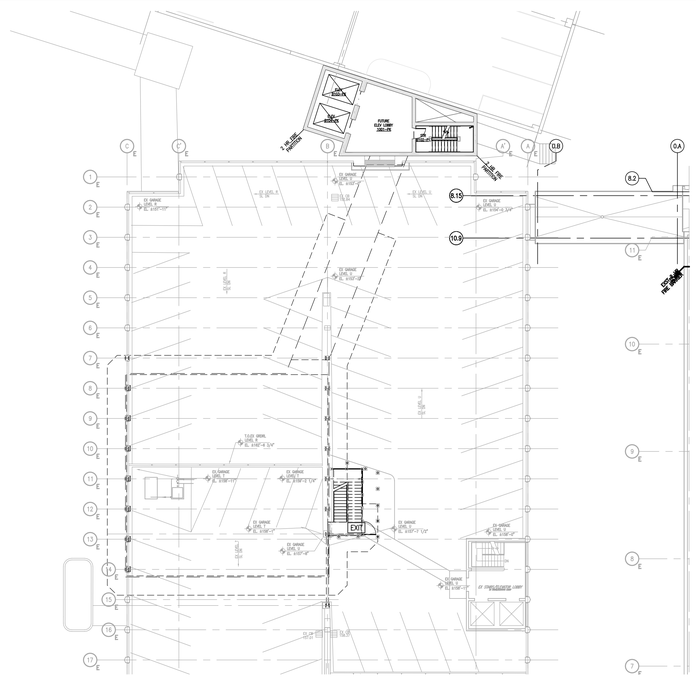


A5 HELIPORT (THIRD LEVEL) LIFE SAFETY PLAN
SCALE: 1/16" = 1'-0"



A3 HELIPORT/EXST.GARAGE ROOF LIFE SAFETY PLAN
SCALE: 1/16" = 1'-0"

HELIPORT CODE ANALYSIS:

NFPA 418 STANDARD FOR HELICOPTERS 2001
BOCA 1999 SECTION 1511.0-ROOFTOP HELIPORTS (REFERS TO NFPA 418)
NFPA 2003 SECTION 18.3.2.6-HELIPORTS (REFERS TO NFPA 418)

CODE/ SECTION	SECTION DESCRIPTION	REQUIREMENT	COMMENTS
NFPA 418/3.1	STRUCTURAL SUPPORT	MIN. 2 HR. FIRE RESISTANCE RATING	
NFPA 418/3.2	LANDING PAD PITCH	DRAINAGE AT A SLOPE BETWEEN .5% AND 2%	SLOPE SHALL PROTECT PRIMARY EGRESS PATH, FIRE PROTECTION ACTIVATION SYSTEM
NFPA 418/3.4	MEANS OF EGRESS	AT LEAST (2) TWO APPROVED MEANS OF EGRESS FROM THE ROOFTOP LANDING PAD EDGE REMOTELY LOCATED	
NFPA 418/3.4.1	MEANS OF EGRESS	HELIPORTS OCCUPIED BY FEWER THAN 50 PEOPLE REQUIRE (1) ONE MEAN OF EGRESS FROM THE ROOF.	
NFPA 418/3.5	FIRE FIGHTING ACCESS	HELICOPTER ROOFTOP LANDING PADS SHALL HAVE AT LEAST (2) TWO ACCESS POINTS FOR FIRE FIGHTING PURPOSES.	ACCESS IS PERMITTED THROUGH LANDING PAD EGRESS
NFPA 418/3.6	FIRE PROTECTION	A FOAM FIRE EXTINGUISHING SYSTEM SHALL BE DESIGNED AND INSTALLED TO PROTECT THE ROOFTOP LANDING PAD	EXCEPTION 1. STATES THAT NO FOAM FIRE EXTINGUISHING SYSTEM SHALL BE REQUIRED FOR HELIPORTS LOCATED ON PARKING GARAGES. THIS REQUIREMENT IS AT THE DESCRETION OF THE BUILDING OFFICIAL
NFPA 418/3.6.3	PRACTICAL CRITICAL FIRE AREAS	CATEGORY H-2 (FROM 50' UP TO 80') PRACTICAL CRITICAL FIRE AREA IS 840 sq.ft.	THE HELIPORT WAS DESIGNED BASED ON THE USE OF A SIKORSKY AIRCRAFT UH-60 BLACK HAWK WITH OVERALL DIAMETER 54' PER THE FAA
NFPA 418/7.1	PORTABLE FIRE EXTINGUISHER QUANTITY AND RATING	CATEGORY H-2 REQUIRES ONE 10-A:120-B TO BE PROVIDED	

TRAVEL DISTANCES

CODE REFERENCED	ALLOWED MAX.	PROVIDED	COMMENTS
NFPA 418/3.4.1	FURTHEST EXTENT PRACTICAL	SEE PLANS	

General Notes:

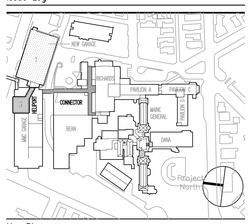
LIFE SAFETY LEGEND

1. RATED PARTITIONS ARE INDICATED AS FOLLOWS:

- 1HR FIRE RATED PARTITION
- 2HR FIRE RATED PARTITION
- NON-RATED SMOKE RESISTANT PARTITION
- 1HR SMOKE BARRIER
- 2HR RATED FIRE AND SMOKE BARRIER
- PATH OF EXIT TRAVEL
- EXIT — INDICATES EXIT LOCATION
- SUITE (UNRATED)
- CONNECTOR PROJECT SCOPE
- EXISTING EGRESS STAIR
- POINT OF EGRESS ACCESS
- PORTABLE FIRE EXTINGUISHER
- EXIT SIGN
- HOSE STATION

MARK	ISSUE DATE	DESCRIPTION
PERMIT	09/16/04	PERMIT SET
BID	08/26/04	BID SET

Issue Log



Key Plan

TRO
Architectu
Planning
Engineerin
Interio
The Ritchie Organizat
80 Bridge Stre
Newton, MA 02458-1
617-969-94

Maine Medical Center
Pkg F - Garage / Vault / Conn / Heliport
Portland, ME MMC Project No. 21845

Drawing Title
HELIPORT
LIFE SAFETY PLANS

0' 8' 16' 32' 64'

Commission No.	4678	Date Issued	08/26/04
Scale	1/16" = 1'-0"	Sheet Number	PKG-F
Drawn By	JJV		G108.3
Approved By	BS		
Filename	4678G108-3.dwg		

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