

**HELIPAD DESIGN CRITERIA**

A1) LIVE	DESIGN HELICOPTER: UH60 BLACKHAWK W = 22,000 POUNDS I = IMPACT FACTOR = 1.5
A2) DEAD	ALL PERMANENT STATIONARY CONSTRUCTION
A3) SEISMIC	USE GROUP 1-2 WITH EMERGENCY TREATMENT FACILITIES SEISMIC HAZARD EXPOSURE GROUP III SEISMIC PERFORMANCE CATEGORY C $A_p = A_s = 0.11$ SITE COEFFICIENT, $S_s = 1.2$ STRUCTURAL SYSTEMS: (EW) STEEL CONCENTRICALLY BRACED FRAMES R = 5; $C_D = 4.5$ (NS) ORDINARY MOMENT FRAME OF STEEL R = 4.5; $C_D = 4$
A4) WIND	REFERENCE WIND PRESSURE = 20.7 PSF BASIC WIND VELOCITY = 90 MPH EXPOSURE C
A5) SNOW	GROUND SNOW = 60 PSF $I = 1.2$ FLAT ROOF SNOW = 51 PSF
A6) DEFLECTION	LIVE LOAD L/360 TOTAL LOAD L/240
A7) LATERAL STORY DRIFT	0.5% OR 1" MAX.

- General Notes:
- NEW EMERGENCY EGRESS STAIR FOR HELIPAD. SEE ARCH. DRAWINGS FOR DETAILS OF STAIRS.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING FINAL T.O.S. ELEVATIONS WITH HELIPAD MANUFACTURER. SEE ARCH. DRAWINGS FOR ELEVATIONS AND SLOPES OF NEW HELIPAD.
  - PERIMETER SAFETY NETTING TO BE DESIGNED, DETAILED AND PROVIDED BY HELIPAD MANUFACTURER.
  - COORDINATE T.O.S. ELEVATION WITH METAL STAIR MANUFACTURER.
  - ALL STRUCTURAL STEEL FRAMING AND HARDWARE (I.E. BOLTS, NUTS, WASHERS, SHIMS, ETC.) EXPOSED TO THE WEATHER SHALL BE HOT-DIP GALVANIZED PRIOR TO ERECTION. TOUCH-UP COLD GALVANIZING COMPOUND SHALL BE USED AS REQUIRED TO REPAIR AREAS THAT ARE DAMAGED DURING ERECTION.

**SGH**  
Simpson Gumpertz & Heger Inc.  
Consulting Engineers

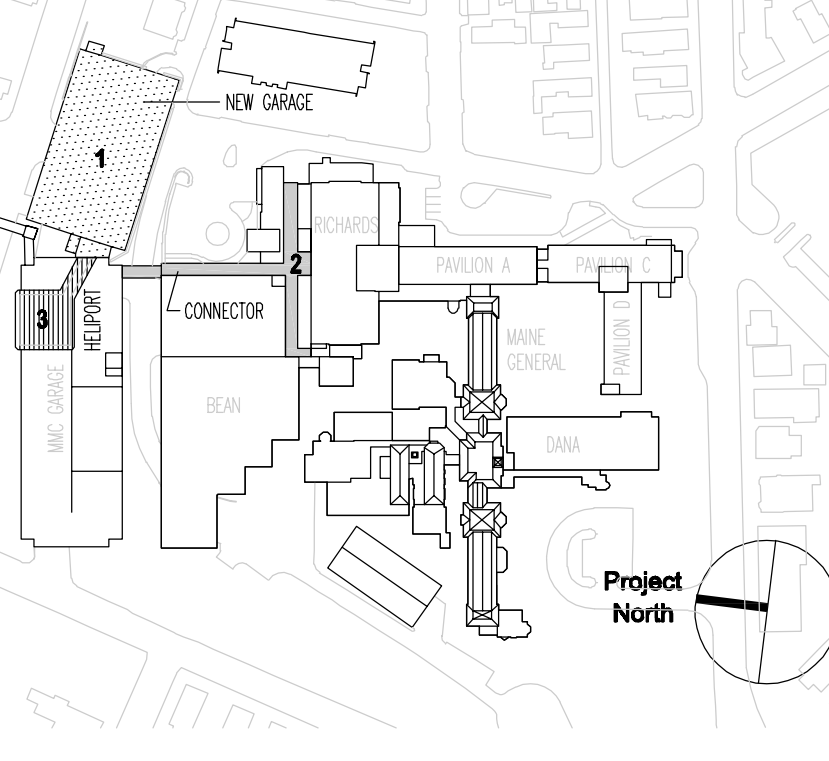
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MARK	ISSUE DATE	DESCRIPTION
BD	09/26/04	BD SET

Issue Log



**TRO**  
ARCHITECTURAL PLANNING  
ENGINEERING  
INTERIOR DESIGN

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

Drawing Title:  
**HELIPAD AND ELEVATOR TOWER PLAN AND 60'x60' PAD**

Commission No. 4678 Date Issued  
Scale 3/16" = 1'-0" Sheet Number  
Drawn By SWW  
Approved By JHT/JJZ  
Filename S220

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