

GENERAL NOTES:

- THE NOTES ON THESE DRAWINGS ARE NOT INTENDED TO REPLACE THE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO THE GENERAL NOTES. INCONSISTENCIES BETWEEN THE DRAWINGS AND THE SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE AFFECTED PORTION OF THE WORK.
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND SITE DRAWINGS. G.C. SHALL COORDINATE LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, ETC.
- ALL DIMENSIONS AND COORDINATES SHALL BE FIELD VERIFIED. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PORTION OF THE WORK.
- SECTIONS AND DETAILS SHOWN ON ANY STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS.
- THE CONTRACTOR SHALL PERFORM ALL WORK IN CONFORMANCE WITH ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL REGULATIONS.
- REFERENCE ELEVATION 100'-0" ON STRUCTURAL DRAWINGS IS EQUAL TO 17.20' ON CIVIL DRAWINGS.

DESIGN LOADS:

- THIS BUILDING IS DESIGNED TO COMPLY W/ THE 2006 EDITION OF THE INTERNATIONAL BUILDING CODE.
- SNOW LOAD:
 - GROUND SNOW LOAD $P_g = 50$ PSF
 - FLAT ROOF SNOW LOAD $P_f = 35$ PSF
 - SNOW LOAD IMPORTANCE FACTOR $I = 1.0$
 - SNOW EXPOSURE FACTOR $C_e = 1.0$
 - SNOW THERMAL FACTOR $C_t = 1.0$
 - SNOW DRIFTING IN ACCORDANCE WITH ASCE7-05 "MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES"
- WIND LOAD:
 - BASIC WIND SPEED = 100 MPH
 - WIND LOAD IMPORTANCE FACTOR $I = 1.0$
 - WIND EXPOSURE = EXPOSURE C
 - WIND INTERNAL PRESSURE COEFFICIENT $G_{Cpi} = \pm 0.18$
 - DESIGN WIND LOADS:
 - COMPONENTS AND CLADDING IN WALL CONSTRUCTION (ASSUMING EFFECTIVE WIND AREA ≥ 20 SQUARE FEET)
 - WITHIN 8' FROM CORNERS:
 - WALL WIND LOAD = ± 23 PSF
 - DESIGN ENTRANCE CANOPY TO RESIST WIND FORCE = ± 30 PSF.
- EARTHQUAKE LOAD: DESIGN FOR EARTHQUAKE LOAD IS IN ACCORDANCE WITH ASCE7-05, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES".
 - SEISMIC IMPORTANCE FACTOR $I = 1.0$
 - MAPPED SPECTRAL RESPONSE ACCELERATION $S_s = 31.4\%$ g
 - MAPPED SPECTRAL RESPONSE ACCELERATION $S_1 = 7.7\%$ g
 - SITE CLASS = CLASS D (ASSUMED)
 - SPECTRAL RESPONSE COEFFICIENT $SDS = .324$
 - SPECTRAL RESPONSE COEFFICIENT $SD_1 = .123$
 - SEISMIC DESIGN CATEGORY = CATEGORY B
 - SEISMIC BUILDING ANALYSIS WAS NOT PERFORMED.

CONCRETE NOTES:

- ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318-05 AND 301-05.
- CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 4000 PSI.
- ALL EXTERIOR CONCRETE SHALL BE AIR ENTRAINED.
- CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND.
- REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60 DEFORMED BARS AND SHALL BE DETAILED FABRICATED AND PLACED IN ACCORDANCE WITH ACI 315.
- CJ INDICATED ON FOUNDATION PLAN REFERS TO SLAB JOINTS. EITHER CONTROL OR CONSTRUCTION JOINTS ARE ACCEPTABLE. REFER TO SB501 FOR TYPICAL DETAILS.
- REINFORCE ELEVATED SLABS W/ WELDED WIRE FABRIC (W.W.F.) SUPPORT W.W.F. ON CHAIRS OR OTHER APPROVED MEANS DURING SLAB PLACEMENT. LOCATE SUPPORTS OVER BEAMS AND GIRDERS WITH ADDITIONAL SUPPORTS AS REQUIRED FOR A MAXIMUM PACING BETWEEN SUPPORTS = 3'-0".

EARTHWORK NOTES:

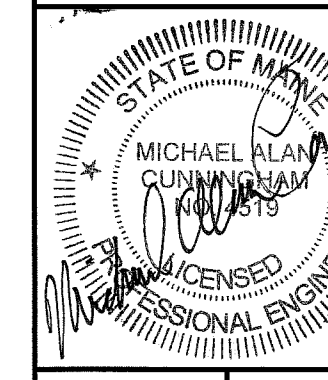
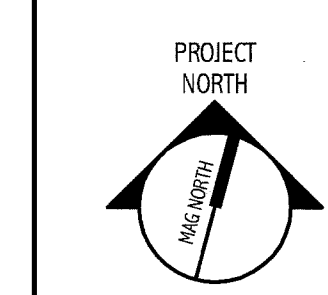
- FOUNDATION DESIGN FOR THE ENTRANCE STRUCTURE IS BASED ON AN ASSUMED ALLOWABLE BEARING PRESSURE = 1500 PSF.
- EXTEND ALL NEW FOUNDATIONS TO A MINIMUM DEPTH OF 4'-6" BELOW ADJACENT GRADE.
- FOOTINGS SHALL BEAR ON UNDISTURBED NATIVE SOILS.
- DO NOT PLACE CONCRETE ON FROZEN SOILS. PROTECT THE BOTTOMS OF FOOTINGS FROM FREEZING UNTIL BACKFILL IS COMPLETE.
- ALL NEW SOILS MATERIAL PLACED WITHIN THE BUILDING SHALL BE STRUCTURAL FILL COMPLYING W/ THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT FINER BY WEIGHT
4"	100
3"	90-100
1/4"	25-90
#40	0-30
#200	0-5

- STRUCTURAL FILL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY PER ASTM D 1557, MODIFIED PROCTOR.
- AFTER REMOVAL OF THE INTERIOR SLAB, PERFORM GRADATION ANALYSIS AT 4 LOCATIONS TO EVALUATE THE TOP 8" OF IN-PLACE MATERIAL. WHERE MATERIAL IS ENCOUNTERED THAT FAILS TO COMPLY W/ THE STRUCTURAL FILL SPECIFICATION ABOVE, REMOVE THE UNSUITABLE MATERIAL & REPLACE W/ STRUCTURAL FILL. PERFORM PROCTOR TESTING TO DETERMINE OPTIMUM, DENSITY OF MATERIAL TO REMAIN IN PLACE.
- COMPACT ALL EXISTING AND NEW MATERIAL TO 95% OF THE MAXIMUM DRY DENSITY PER ASTM D 1557, MODIFIED PROCTOR. LEVEL SLAB BEARING TO ELEVATION 99'-8" EXCEPT AS OTHERWISE NOTED.
- PLACE VAPOR RETARDER. SEAL EDGES AND PENETRATIONS IN ACCORDANCE W/ THE MANUFACTURER'S SPECIFICATIONS. PROTECT THE VAPOR RETARDER FROM DAMAGE. REPAIR DAMAGED AREAS PRIOR TO CONCRETE PLACEMENT.

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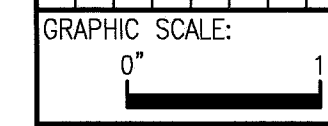


DEPARTMENT OF
VETERAN AFFAIRS - PORTLAND
PORTLAND, MAINE

ISSUE FOR CONSTRUCTION
9-01-10

CURRENT ISSUE STATUS:

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	9-01-10



SCALE: NONE
PROJECT MANAGER: DRL
JC/DRAWN BY: AFP
A/E OF RECORD: MAC
CAD FILE: SG001-10022
PROJECT NO: 10022
DATE:

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STRUCTURAL
GENERAL
NOTES

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