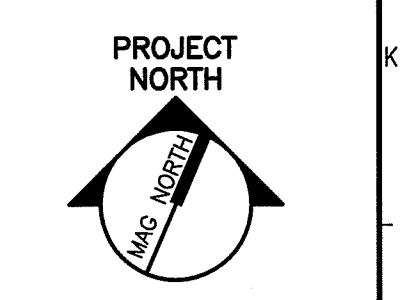


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ARCHITECTURE
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STATE OF MAINE
 ANDREW D. BRADLEY
 No. 6340
 LICENSED PROFESSIONAL ENGINEER

MAINE MEDICAL CENTER
 NUCLEAR MEDICINE RENOVATIONS
 PORTLAND, MAINE

ISSUED FOR CONSTRUCTION
 3-13-14

CURRENT ISSUE STATUS:

D1 FIRST FLOOR REFERENCE PLAN
 1/4"=1'-0"

GENERAL NOTES:

- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
- ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
- THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS, OR TIE DOWNS SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
- SECTIONS AND DETAILS SHOWN ON ANY STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS.
- ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.

DESIGN NOTES

- BUILDING CODE: IBC 2009.
- DEAD LOADS:
 ACTUAL WEIGHTS OF COMPONENTS PLUS WEIGHT OF MECHANICAL UNITS AS NOTED ON DRAWINGS.

CONCRETE NOTES

- ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 318 AND ACI 301. HOT AND COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 301 AND 306.1.
- CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 4000 PSI. REFER TO DETAIL G11/SF501 FOR ADDITIONAL REQUIREMENTS.
- ALL DEFORMED REINFORCING BARS SHALL BE GRADE 60 DEFORMED BARS CONFORMING TO ASTM SPECIFICATION A615.
- AT LOCATIONS WHERE NEW CONCRETE IS BEING PLACED NEXT TO EXISTING CONCRETE, EXISTING CONCRETE SHALL BE SCARIFIED TO A 1/4" AMPLITUDE AND HAVE A BONDING AGENT APPLIED PRIOR TO NEW CONCRETE BEING PLACED.

QUALITY ASSURANCE/ SPECIAL INSPECTIONS

- STRUCTURAL SPECIAL INSPECTIONS SHALL BE PROVIDED BY THE OWNER DURING CONSTRUCTION AS REQUIRED BY IBC 2009 CHAPTER 17. REFER TO THE SCHEDULE OF SPECIAL INSPECTION FOR THE REQUIRED INSPECTIONS SCOPE. THE SPECIAL INSPECTOR (OR INSPECTORS) FOR THE PROJECT IS TO BE RETAINED BY THE OWNER AND APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.
- NO STATEMENTS OF COMPLETION WILL BE ISSUED BY THE SPECIAL INSPECTOR (OR INSPECTORS) WITHOUT COMPLETION OF THE SPECIAL INSPECTION REQUIREMENTS.
- SPECIAL INSPECTIONS SHALL BE PERFORMED UNDER THE SUPERVISION OF THE SPECIAL INSPECTOR (OR INSPECTORS), AND IN ACCORDANCE WITH THE "SCHEDULE OF SPECIAL INSPECTIONS", PREPARED BY THE STRUCTURAL ENGINEER OF RECORD. ONLY PERSONNEL AUTHORIZED BY THE APPROVED "LIST OF AGENTS" ARE QUALIFIED TO PERFORM THE TASKS OUTLINED IN THE SCHEDULE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE CONSTRUCTION ACTIVITIES AND SEQUENCES WITH THE SPECIAL INSPECTOR AND/OR HIS AGENTS TO PERFORM THE REQUIRED INSPECTION AND TESTING.

EXISTING CONCRETE BEAMS REPAIR NOTES

- REPAIR SCOPE:**
 REPAIR SCOPE IS LIMITED TO PREVENTING FALLING OF DETERIORATED CONCRETE, SEALING OF VISIBLE CONCRETE CRACKS, REMOVING VISIBLE RUST FROM THE REINFORCING BARS AND INSTALLING OF NEW "CONCRETE PATCHING" OVER CLEANED BARS. THE REINFORCEMENT AREA REDUCTION DUE TO RUST WILL BE ASSESSED AND ITS IMPACT ON BEAM LOAD CARRYING CAPACITY WILL BE DETERMINED.
- REPAIR LIMITATIONS:**
 - THE REPAIR DOES NOT ADDRESS THE ROOT CAUSE OF THE PRESENT CONCRETE DAMAGE.
 - THE REPAIR DOES NOT PREVENT FURTHER CORROSION OF THE REINFORCING STEEL, AND SUBSEQUENT CONCRETE SPALLING CAUSED BY RUST EXPANSION. BY NOT ADDRESSING THE ROOT CAUSE OF THE PROBLEM AND BY SEALING THE BEAM SURFACE AT THE INTERIOR FACE THE REPAIR MAY ACCELERATE THE RATE OF STEEL CORROSION.
 - THE REPAIR DOES NOT ADDRESS POTENTIAL FOR MOLD DEVELOPMENT OR ANY OTHER NON-STRUCTURAL ISSUES.

- REPAIR PROCEDURE:**
 - REMOVE LOOSE CONCRETE AND ANY DELAMINATED CONCRETE FROM THE BEAMS, AND IF REQUIRED, FROM THE ADJACENT SLABS. DETERMINE OF THE LOCATIONS OF CONCRETE DELAMINATION BY SOUNDING WITH HAMMER.
 - REMOVE RUST FROM THE EXPOSED STEEL REINFORCING BARS. INFORM SMRT WHEN THE CLEANED STEEL CAN BE INSPECTED FOR THE DAMAGE ASSESSMENT.
 - UTILIZE THE LEAST DESTRUCTIVE TOOLS TO NOT UNNECESSARILY ENLARGE AREA OF REPAIR.
 - REPAIR CONCRETE CRACKS WITH PRESSURE INJECTED SIKADUR 35, HI-MOD LV BY SIKA OR APPROVED EQUAL. COORDINATE SURFACE PREPARATION, INSTALLATION PROCEDURE, CAP SEAL AND ANY ADDITIONAL REQUIREMENTS WITH THE MANUFACTURER SPECIFICATIONS.

- AT ALL EXPOSED STEEL BARS AND AT ALL OTHER LOCATIONS WHERE CONCRETE WAS REMOVED APPLY SIKATOP 123 OR APPROVED EQUAL. COORDINATE SURFACE PREPARATION, INSTALLATION PROCEDURE AND ANY ADDITIONAL REQUIREMENTS WITH THE MANUFACTURER SPECIFICATIONS.
- THE SPECIFIED REPAIR PRODUCTS AND PROCEDURES WILL BE REVIEWED WHEN THE EXTENT OF THE CONCRETE DAMAGE CAN BE INSPECTED DURING CONSTRUCTION - REFER TO NOTES A AND B ABOVE. AT THAT TIME, IF REQUIRED, ALTERNATE REPAIR PROCEDURES MAY BE RECOMMENDED.

PROJECT MANAGER:	DJW
JC/DRAWN BY:	SJF
A/E OF RECORD:	JSW
CAD FILE:	SF101-13128
PROJECT NO.:	13128
DATE:	3-13-14
SHEET TITLE:	FIRST FLOOR FRAMING PLAN AND NOTES
SHEET No.:	SF101

GRAPHIC SCALE:
 0" = 1'

SCALE: AS NOTED

A1 GENERAL NOTES
 NO SCALE