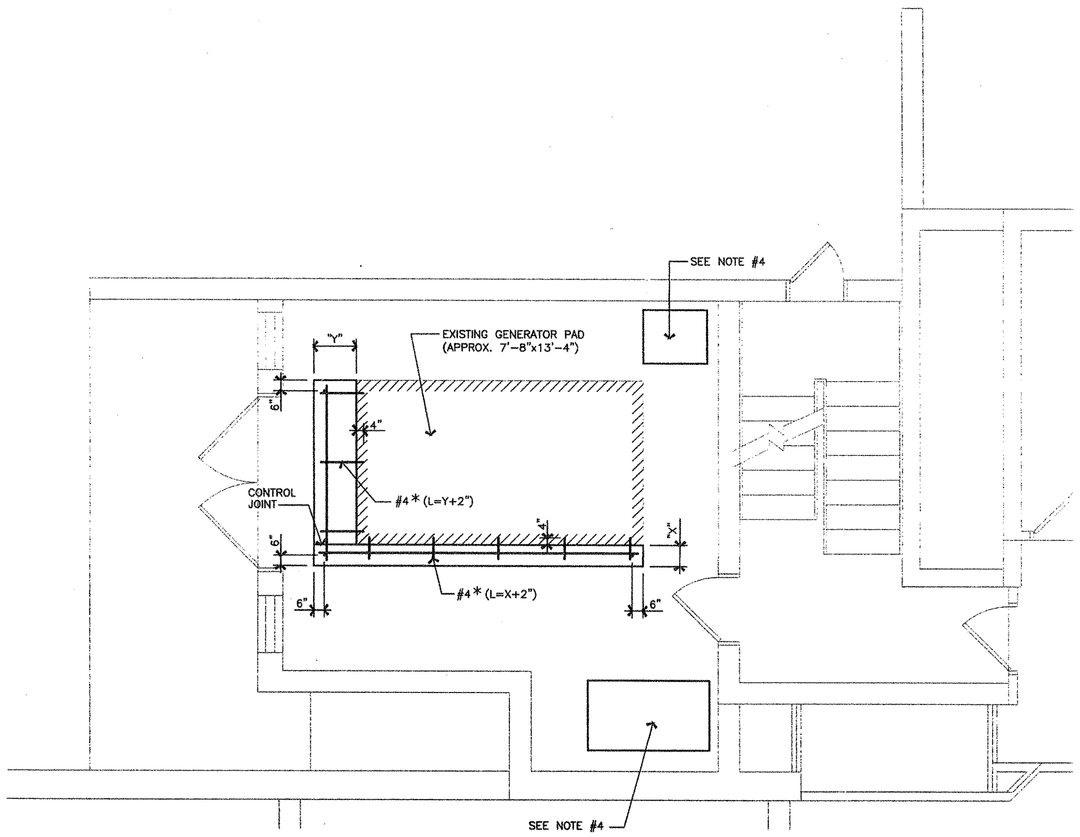


GENERATOR ROOM FLOOR PLAN

1/4"=1'-0"

"X" & "Y" – AS REQUIRED TO SUIT NEW GENERATOR

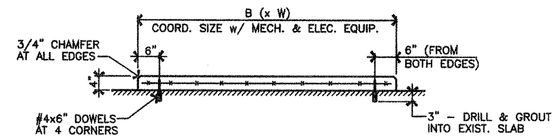
* – DRILL & GROUT INTO EXISTING PAD @ MID-DEPTH

GENERAL NOTES

1. The existing reinforced concrete beams and floor slab of the generator room have been analyzed for the weight of a new 1000kVA, 15,000 lb. generator to replace the existing generator and found to have sufficient capacity. The weight of a "housekeeping" pad under the generator has also been taken into account. This analysis was based on information provided on the original 1985 drawings related to beam and slab reinforcing, beam sizes, slab thickness, concrete compressive strength and the grade of reinforcing steel.
2. The Contractor shall verify all dimensions and conditions at the site and report any discrepancies to the Project Architect.
3. A round hole shall be created in the concrete roof slab of the generator room for a new 10" dia. exhaust pipe. A pilot hole(s) shall be drilled in the slab at the preferred centerline of the exhaust to locate single reinforcing bars in each direction. The center of the hole for the exhaust pipe shall then be shifted as required to insure that the new hole can be created without cutting more than one #6 bar.
4. The size of "housekeeping" pads shall be coordinated with the specific equipment to be placed on the pads. The number of pads and their locations shall be coordinated with the architectural, mechanical and electrical drawings.
5. The Contractor shall be responsible for all drilling, cutting and patching required for the completion of all phases of the work. Drilling and cutting shall be done in a careful manner to avoid damage to adjacent construction that is to remain.

CONCRETE NOTES

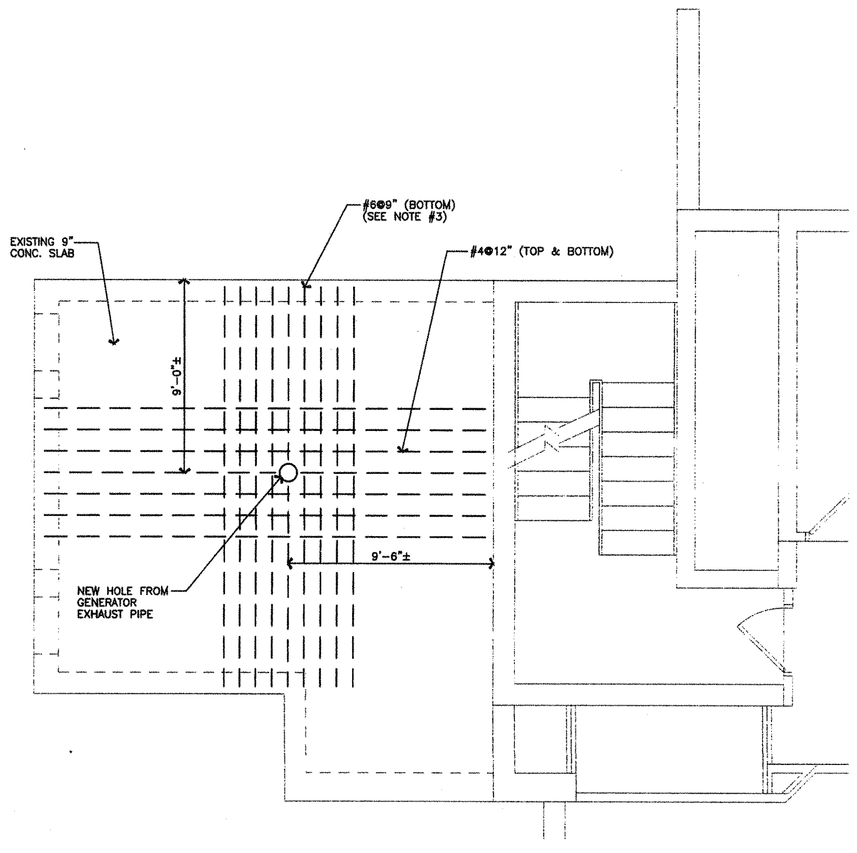
1. Concrete for "housekeeping" pads shall have a minimum 28 day compressive strength of 3,500 psi.
2. Concrete mix shall meet the following criteria:
   a. Maximum aggregate size: 3/4"
   b. Percent air-entrainment 0%
   c. Maximum slump: 4"
   d. Maximum water/cement ratio: 0.50
3. All reinforcement shall conform to ASTM A615, Grade 60.
4. All 4" pads shall be reinforced with flat sheets of WWF 6x6-W1.4xW1.4 placed at the mid-depth of the pads.
5. Chamfer all exposed edges of concrete pads 3/4".



HOUSEKEEPING PAD DETAIL

1/2"=1'-0"

REFER TO NOTE #4



GENERATOR ROOM ROOF PLAN

1/4"=1'-0"

Maine Medical Center
centered around you

Generator MV Gear Replacement

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CONSULTANT:

ISSUE:

LETTER:	DATE:	DESCRIPTION:
A	5-8-09	OWNER'S REVIEW SET
B	8-13-09	ISSUED FOR BID

REVISION:

NO:	DATE:	DESCRIPTION:

KEY PLAN:

DRAWING TITLE:
MISCELLANEOUS STRUCTURAL (CONCRETE) WORK

DRAWN BY: Drawn By EEF

CHECKED BY: Checked By PLL

SCALE: SCALE AS NOTED

PROJECT NO.: 93274.00

SEAL:
STATE OF MAINE
PETER L. LINCOLN
NO. 3913
REGISTERED PROFESSIONAL ENGINEER
8.13.09

DRAWING NO.:
S-201

CAD FILE NAME:
C:\dmwright\MMC Generator\Structural\93274.00-S-201.dwg