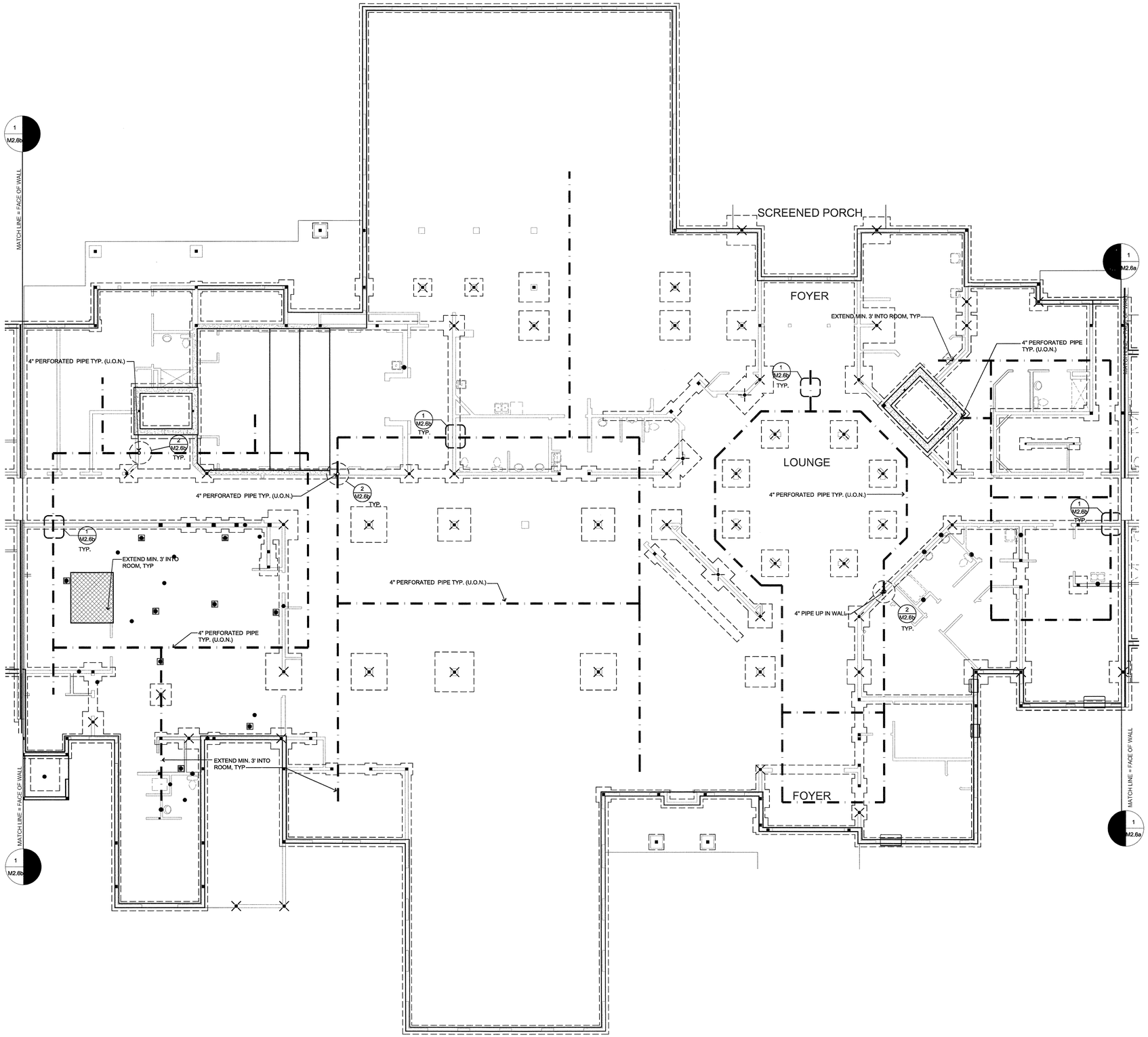

GAS SYSTEM SPECIFICATIONS

1. All work shall conform to EPA standard 402-K-01-002, "Building Radon out". Perforated pipe shall be installed within a 4" to 6" layer of clean aggregate. The aggregate shall consist of material that will pass through a 2" sieve and be retained by a 1/4" sieve.
2. The pipe shall be a min. dia. of 4", PVC perforated pipe.
3. The pipe shall be laid in a continuos loop, connected at both ends to the solid stack vent pipe as shown.
4. Any slab area, which is larger than 10 sq. ft., which is isolated from other slab areas by footings or other barriers, shall have a perforated pipe installed to the above specifications. (The pipe can be a single length rather than a connected loop if the area is too small or narrow to accommodate a connected loop.)
5. A stack vent of ABS or PVC, schedule 40, 4" as noted, shall be connected to the sub-slab piping and proceed upwards to an exit location on the roof, and extending 12" above the roof, in a location at least 10' from any window or air intake.
6. In-line centrifugal fan (future).
7. Couplings to connect the vent piping to the fan shall be elastometric PVC, Fernco series 1056 or equal.
   The fan shall be wired to NFPA & local electrical codes.
8. The slab floor shall be 4" to 6" concrete with no open soil areas. All penetrations shall be firm (concrete to pipe) or caulked or otherwise sealed with tub boxes or other air tight seals.
9. Provide heavy duty plastic sheeting (10 mil. polyethylene) with taped seams as vapor barrier, or the following products; Tu-Tuf or Stego Wrap.

STATE OF MAINE JOHN R. DUNDAY 13949 LICENSED PROFESSIONAL ENGINEER 2-3-16

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FIRST FLOOR CORE PLAN RADON

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DATE 8/28/2015
REVISED DATE
1 9/22/2015

SHEET
M2.6

FIRST FLOOR CORE

SCALE: 1/8"=1'-0"

THIS PROJECT IS IN AN AREA OF A MEDIUM PROPENSITY FOR RADON. INSTALLATION OF RADON CONTROL SYSTEM IS AT CONTRACTOR'S OPTION.