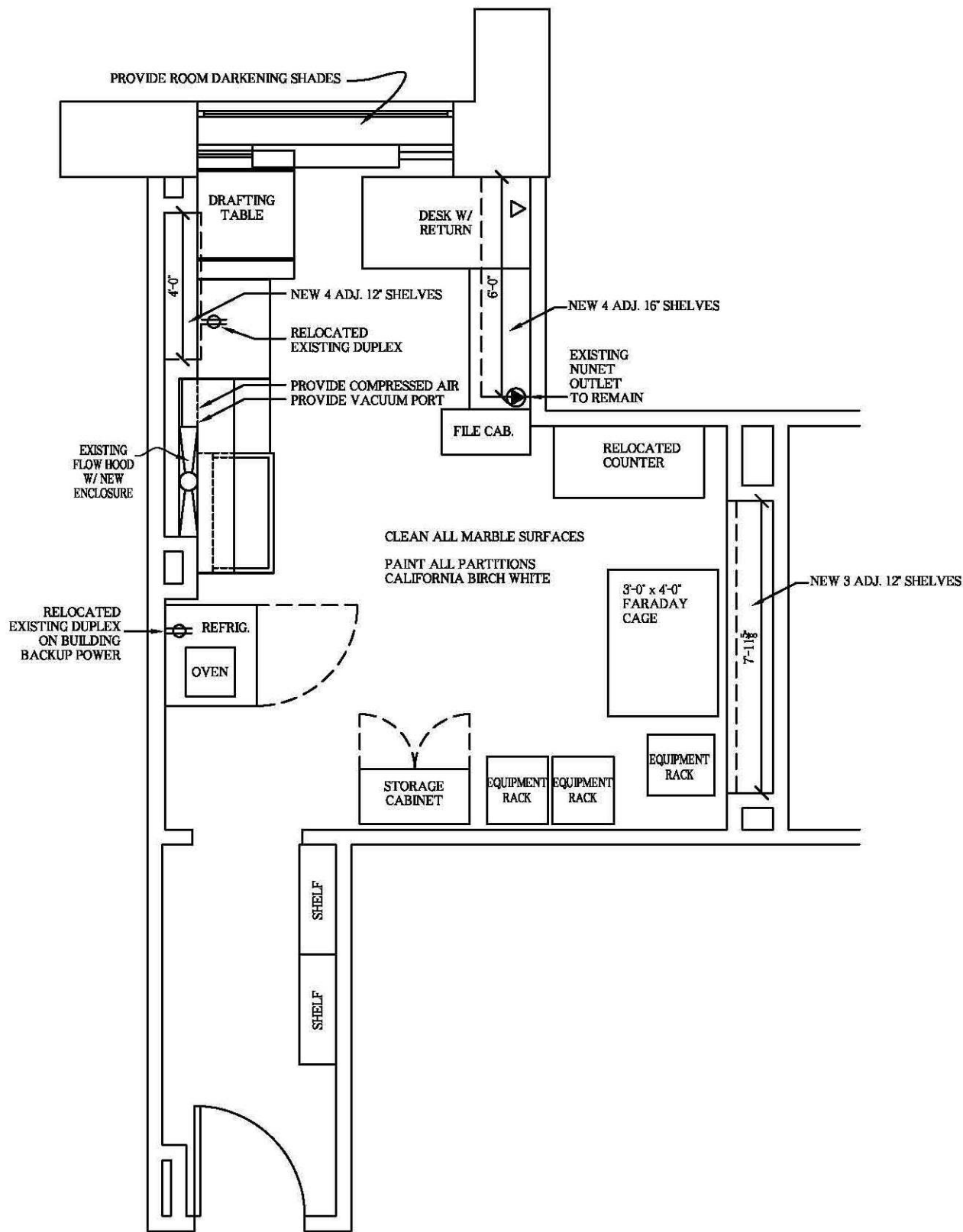


Description of Center for Neurophysiology Laboratory

Director: Robert Sikes, PhD

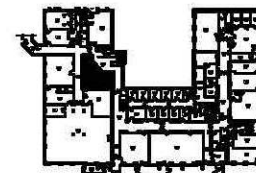
Date: March 12, 2013

The Neurophysiology Laboratory of the Department of Physical Therapy explores the role of limbic system brain structures in pain and stress. The lab conducts pre-clinical electrophysiological experiments using animal models of cutaneous and visceral pain. This facility is one of very few that records simultaneous neuron activity at multiple levels of the pain transmission network and is part of a multidiscipline collaboration with labs at Northeastern and Boston University Medical School which conduct the brain imaging and behavior testing of these animals. The lab is located in 319 Mugar Building which provides close proximity to the animal facilities and brain imaging center. With 300 sq-ft the lab has adequate space for neurophysiological recording in small animals, surgical procedures, histological processing, light microscopy and preliminary data analysis. The lab is equipped with state of art neurophysiological recording, stereotaxic micropositioning, stimulus control and physiological monitoring systems. For histology there is a Nikon Optiphot microscope and a microtome for tissue preparation. There are multiple computer systems including a server that provides access for remote data analysis. Additional equipment includes a fume-hood, flammable storage cabinet, refrigerator and drying oven.



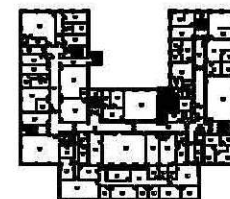
② PLAN 319 MU
1/4" = 1'-0"

KEY PLAN



MUGAR BUILDING
GROUND FLOOR
NOT TO SCALE

KEY PLAN



MUGAR BUILDING
THIRD FLOOR
NOT TO SCALE

NORTHEASTERN UNIVERSITY



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BOSTON MA 02115
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FAX: 617-373-2265

MUGAR BUILDING
BASEMENT

RELOCATION OF
DR. KHAW'S LAB
DR. SIKES' LAB

FILE: SEE BELOW
SCALE: AS NOTED
DATE: NOVEMBER 19, 2003
DWG. BY: R.CARRILLO
PA: R.CARRILLO
REVISION JANUARY 14, 2004
FEBRUARY 10, 2004
MARCH 04, 2004

A-1

SHEET 1 OF 3