

Radiation Shielding Notes

MINIMAL SHIELDING REQUIREMENTS ARE DETERMINED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE NATIONAL COUNCIL ON RADIATION PROTECTION AND MEASUREMENTS (NCRP) REPORT # 49 TITLED "STRUCTURAL SHIELDING AND EVALUATION FOR MEDICAL USE OF X-RAYS AND GAMMA RAYS OF ENERGIES UP TO 10 MEV", MODIFIED BY THE RECOMMENDATIONS OF MORE RECENT NCRP REPORT #91 FOR UNCONTROLLED EXPOSURE OF THE PUBLIC TO BE LIMITED TO LESS THAN 100 mR PER YEAR.

ASSUMPTIONS:
 MAXIMUM WORK LOAD FOR THE CT ROOM WILL BE 20,000 mA-MIN PER WEEK AT 140 kVp. WORKLOAD FOR MAMMO = 1000 mA-MIN PER WEEK AT 30 kVp.

PERMISSIBLE RADIATION LEVEL FOR FILM STORAGE IN THE DARK ROOM WILL BE 2 mR PER WEEK.

GENERAL REQUIREMENTS:

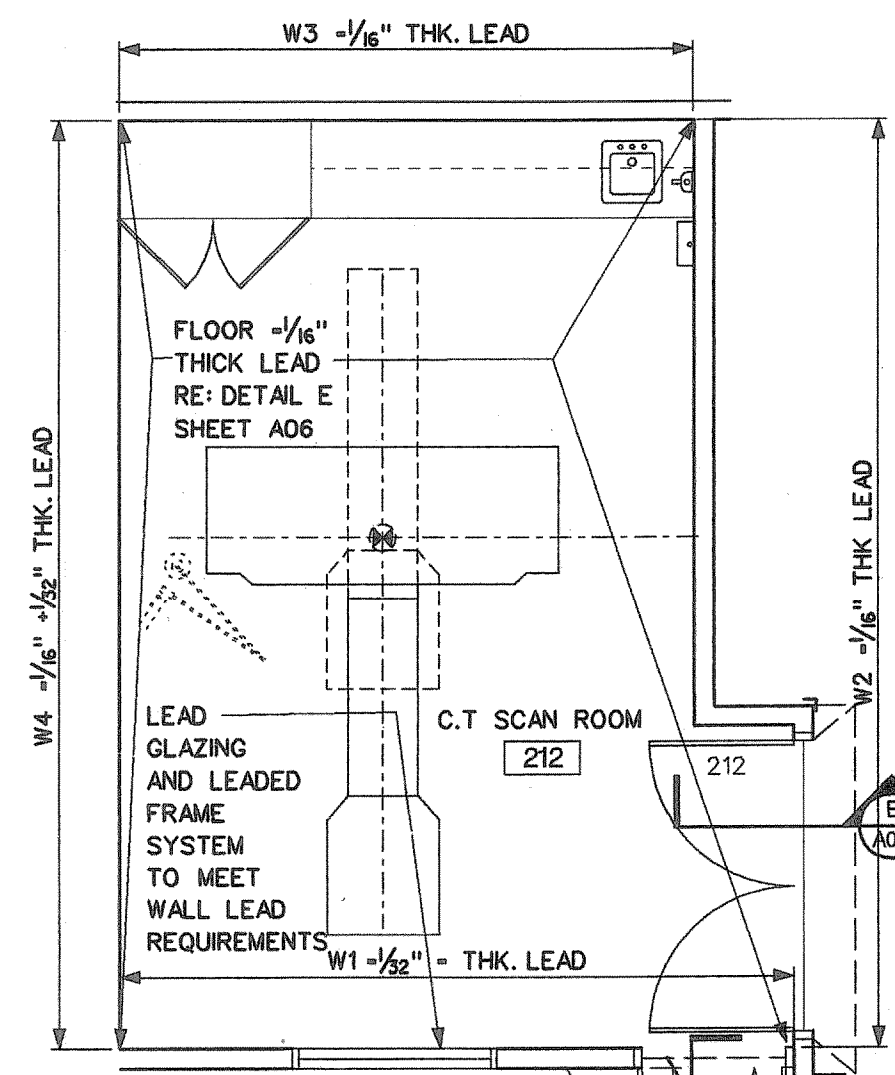
SHIELDING FOR THE WALLS SHOULD EXTEND FROM THE FLOOR TO A HEIGHT IF SEVEN FEET, EXCEPT THAT THE SHIELDING FOR THE WALL BETWEEN THE DARKROOM AND X-RAY ROOM SHOULD EXTEND FROM THE FLOOR TO CEILING.

THE JOINTS BETWEEN LEAD SHEETS SHOULD BE CONSTRUCTED SO THAT THEIR SURFACES ARE IN CONTACT AND HAVE AN OVERLAP OF NOT LESS THAN ONE CM.

RECESSED BOXES FOR ELECTRICAL OUTLETS WILL HAVE SAME LEAD SHIELDING BEHIND THEM AS FOR THE REST OF THE WALL.

SPECIFIC LEAD WILL BE OF VIRGIN QUALITY, 99% PURE
 VIEWING WINDOW IN THE CONTROL ROOM WALL SHALL PROVIDE THE SAME SHIELDING AS THE REST OF THE WALL.

THE SHIELDING REQUIREMENTS SHALL BE RE-EVALUATED IF THE EQUIPMENT ORIENTATION IS CHANGED, OR IF CHEST STAND IS RELOCATED, OR IF THERE IS ANY CHANGE IN THE OCCUPANCY OF THE SURROUNDINGS OF THE X-RAY ROOM.



B Radiation Shielding Plan
 Scale: 1/4"=1'-0"

Equipment Schedule

MARK	DESCRIPTION	QTY.	REMARKS
A	Picker PQ 2000S C.T. Imaging System (Console, Gantry, Patient Support, Injector control, Injector interface)	1	Tenant provided, manuf. installed (installation coordination by contractor)
B	GE Senographe 600T Mammogram Unit	1	Tenant provided, manuf. installed (installation coordination by contractor)
C	Acuson 128XP/10 Ultrasound System	1	Tenant provided, manuf. installed (installation coordination by contractor)
D	Baldwin Diagnostic Viewing Center DVC91 Corner and DVC44 (Refer to Elevations)	1	Tenant provided, contractor installed
E	Baldwin Techline 200 Series recessed X-ray View Box, Catalog # TR-202	2	Tenant provided, contractor installed
F	Baldwin Techline 200 Series Surface Mounted X-ray View Box, Catalog # TS-202	1	Tenant provided, contractor installed
G	Baldwin 300RA Processor	1	Tenant provided, manuf. installed (installation coordination by contractor)
H	Baldwin autex space saver, auto mixer	1	Tenant provided, manuf. installed (installation coordination by contractor)
J	Fax Machine	1	Tenant supplied, tenant installed
K	Printer	2	Tenant supplied, tenant installed
L	Copier	1	Tenant supplied, tenant installed

VERIFY DIMENSIONS TO ASSURE PROPER INSTALLATION. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS, TYPICAL.

General Floor Plan Notes

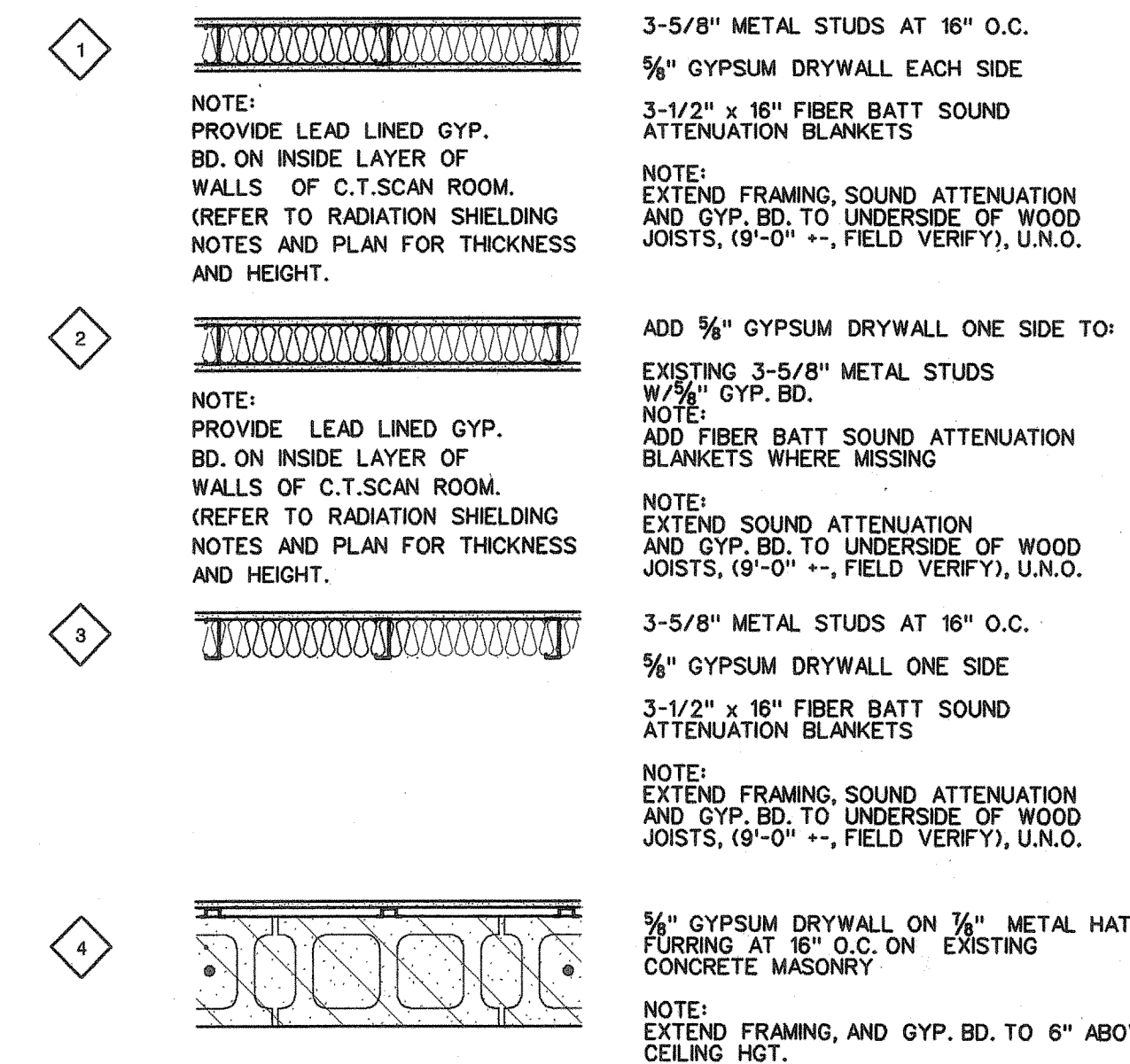
ALL MATERIALS AND EQUIPMENT TO BE STORED AND INSTALLED PER MANUFACTURERS' SPECIFICATIONS.

THE CONTRACTOR IS TO VERIFY WITH TENANT ALL ITEMS TO BE FURNISHED. THE CONTRACTOR WILL COORDINATE WORK WITH TENANT-FURNISHED/CONTRACTOR INSTALLED AND MANUF INSTALLED EQUIPMENT AND IS TO COMPLETE ALL WORK NOTED ON CONSTRUCTION DOCUMENTS AND, FINALLY PROVIDED ADEQUATE BLOCKING AS MAY BE REQUIRED FOR INSTALLATION.

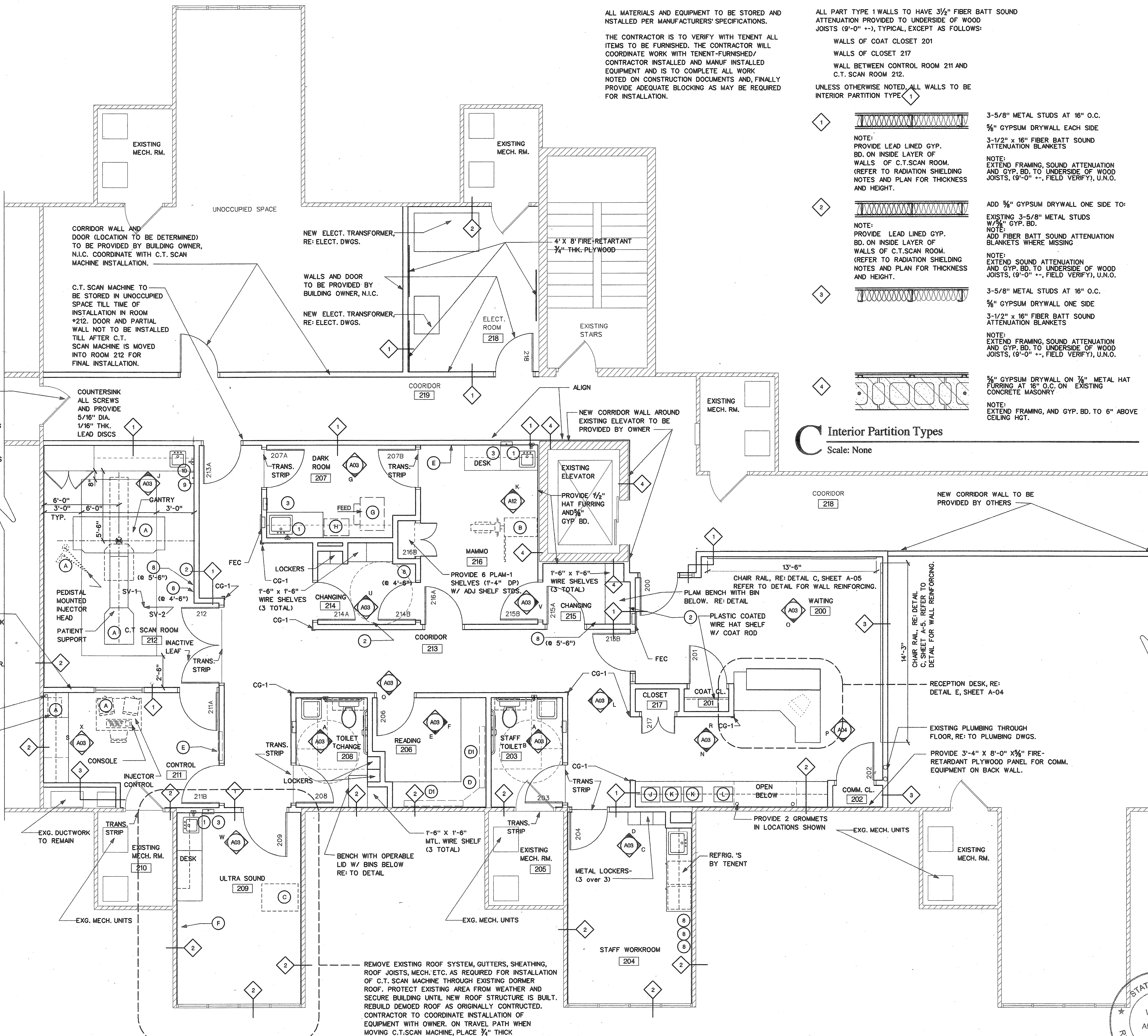
General Partition Notes

ALL PART TYPE 1 WALLS TO HAVE 3/2" FIBER BATT SOUND ATTENUATION PROVIDED TO UNDERSIDE OF WOOD JOISTS (9'-0" +/-), TYPICAL, EXCEPT AS FOLLOWS:

- WALLS OF COAT CLOSET 201
 - WALLS OF CLOSET 217
 - WALL BETWEEN CONTROL ROOM 211 AND C.T. SCAN ROOM 212.
- UNLESS OTHERWISE NOTED, ALL WALLS TO BE INTERIOR PARTITION TYPE 1



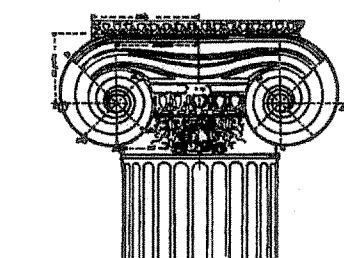
C Interior Partition Types
 Scale: None



A Second Level Floor Plan
 Scale: 1/4"=1'-0"

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Key

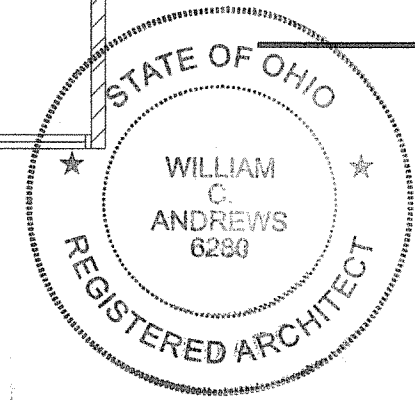
- NEW WALL PARTITION (RE: INTERIOR PARTITION TYPES SCHEDULE)
- EXISTING PARTITION TO REMAIN
- TOILET ACCESSORY, REFER TO TOILET ACCESSORY SCHEDULE
- EQUIPMENT, REFER TO EQUIPMENT SCHEDULE

JASONWAY IMAGING CENTER

FEB. 6th, 1998 PROJ. No.: 97045

- SCHEMATIC DESIGN
- DESIGN DEVELOPMENT
- DESIGN DEV. SIGN-OFF
- BIDDING
- BLDG. PERMIT SUBMISSION
- CONSTRUCTION
- NOT FOR CONSTRUCTION
- RECORD / FILE

SECOND LEVEL FLOOR PLAN



A-01

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