



PROPOSED EQUIPMENT LAYOUT
THIS LAYOUT WILL REQUIRE MAGNETIC SHIELDING
SHIELDING BY OTHERS TO CONTAIN 5G LINE AT WALL

GENERAL NOTES

- ALL SPECIFICATIONS AND SPACE REQUIREMENTS ARE SHOWN GENERICALLY. CONTACT GAMMA TECH, INC. FOR SPECIFIC REQUIREMENTS PERTAINING TO OPTIONAL EQUIPMENT COMPONENTS AND ADDITIONAL ROOM PREPARATION SPECIFICATIONS.
- RECOMMENDED FINISHED CEILING HEIGHT IS 9'-0". A 24" x 24" CEILING POCKET 11'-6" FROM FLOOR IS REQUIRED IN MAGNET ROOM.
- AMBIENT ROOM TEMPERATURE: 68° TO 72° F. HUMIDITY: 40% TO 70% (NON-CONDENSING).
- SYSTEM: 3 PHASE, 4 WIRE (3 POWER + 1 ISOLATED/DEDICATED EARTH GROUND) GROUND - DEDICATED EARTH CONDUCTOR MUST BE SIZED EQUAL TO EACH PHASE POWER CONDUCTOR
- VOLTAGE: 480VAC, WYE SECONDARY, NOMINAL, +/- 10%
VOLTAGE FLUCTUATIONS: LESS THAN +5% OR -7% OF NOMINAL (NOT INCLUDING TRANSIENTS < 1 CYCLE)
- PHASE BALANCE: 3% OF NOMINAL BETWEEN PHASES, MAXIMUM
FREQUENCY: 60 HERTZ +/- 1 HERTZ (SEE LOAD CURRENT SPECS. BELOW)
IMPEDANCE PHASE TO PHASE: 0.16 OHMS AT 480 VAC.
- LOAD CURRENT: 120 AMPS PEAK, 60 AMPS RMS AT 480 VAC, 60 HZ. PROVIDE NOMINAL 112.5 KVA DISTRIBUTION SOURCE TO ENSURE PROPER LINE IMPEDENCE LEVEL.

© PLANNING DIVISION
FILE NAME: PICKER EDGE 1.5T
REVISION DATE: 08.10.2009

EQUIPMENT SCHEDULE

NOTES	EQUIPMENT IDENTIFICATION NUMBER						
	EQUIPMENT ID	QUANTITY	DESCRIPTION	BTU / HOUR		WEIGHT (LBS.)	
				W	x	D	x
OFOI	1	20000	PICKER EDGE MR SYSTEM 1.5T ACTIVE SHIELD MAGNET	100.00	97.00	105.00	16040
OFOI	2	N/A	PICKER MR PATIENT COUCH	18.00	108.00	37.25	620
OFOI	3	3780	PICKER EDGE OPERATOR'S CONSOLE	54.00	30.00	50.00	200
OFOI	4	4000	PICKER CONTROL COMPUTER MODULE	9.00	30.00	29.00	200
OFOI	5	6000	PICKER COMPUTER CABINET	23.00	33.00	68.00	436
OFOI	6	17000	PICKER RF AMPLIFIER CABINET	23.00	33.00	68.00	635
OFOI	7	5000	PICKER POWER DISTRIBUTION CABINET	23.00	33.00	68.00	825
OFOI	8	22000	PICKER GRADIENT CABINET	23.00	33.00	68.00	850
OFOI	9	10930 5000	PICKER MAGNET POWER SUPPLY CABINET	23.00	33.00	68.00	1300
OFOI	10	N/A	PICKER PATIENT/GRADIENT BLOWER HOUSING	18.00	21.00	18.00	50
OFOI	11	N/A	PICKER R.F. PENETRATION PANEL	33.50	10.50	65.00	150
OFOI	12	N/A	PICKER REMOTE E.R.D.U. STOP BUTTON (WALL MOUNTED)	6.00	7.00	12.00	20

NOTE EXPLANATION:
CFCI = CONTRACTOR FURNISHED - CONTRACTOR INSTALLED
OFCI = OWNER FURNISHED - CONTRACTOR INSTALLED
OFOI = OWNER FURNISHED - OWNER INSTALLED

THE GAUSS LIMITS LISTED BELOW ARE PROVIDED FOR PRELIMINARY PLANNING PURPOSES AND REPRESENT THE APPROXIMATE EXPOSURE TO MAGNETIC FIELDS ACCEPTABLE FOR THE TYPE OF INSTRUMENT OR OCCURRENCE LISTED. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO HAVE THE VENDOR OF THE EQUIPMENT IN QUESTION SET ACCEPTABLE FRINGE FIELD LIMITS FOR PROPER OPERATION OF THEIR EQUIPMENT.

GAUSS	DESCRIPTION
0.5	<ul style="list-style-type: none"> NUCLEAR CAMERAS POSITRON EMISSION LINEAR ACCELERATORS ELECTRONIC MICROSCOPES IMAGE INTENSIFIERS THERAPY SIMULATORS
1.0	<ul style="list-style-type: none"> SPECTROSCOPY COLOR MONITORS CYCLOTRONS COLOR T.V.
2.5	<ul style="list-style-type: none"> C.T. SCANNERS T.V. MONITORS (GENERAL) POWER TRANSFORMERS ULTRASOUND MAIN ELECTRICAL DISTRIBUTION TRANSFORMERS
5.0	<ul style="list-style-type: none"> POWER CONDITIONERS COMPUTERS TAPE STORAGE PICKER MR SYSTEM CONSOLES (EDGE, VISTA, ASSET, OUTLOOK) TAPE STORAGE DISK DRIVES CARDIO PACEMAKERS NEUROSTIMULATORS BIOSTIMULATION DEVICES MULTI-FORMAT CAMERAS
10.0	<ul style="list-style-type: none"> HV/AC EQUIPMENT LINE PRINTERS MAJOR MECHANICAL EQUIPMENT ROOM X-RAY TUBES COMPUTERS W/O DISK DRIVES EMERGENCY GENERATORS FOOD PREPARATION AREAS AIR CONDITIONING CHILLERS TELEPHONE SWITCHING WATER COOLING EQUIPMENT FUEL STORAGE TANKS MOTORS GREATER THAN 5HP CREDIT CARDS, ANALOG WATCHES AND CLOCKS
15.0	<ul style="list-style-type: none"> FILM PROCESSORS CARDIAC HEART RECORDERS ELECTRICAL PUMPS ON MOTORS GREATER THAN 5 HP
25.0	<ul style="list-style-type: none"> PICKER MR SYSTEM CONSOLES REMOTE CONSOLES
50.0	<ul style="list-style-type: none"> LASER IMAGERS TELEPHONES X-RAY ELECTRONICS MR EQUIPMENT CABINETS METAL DETECTORS FOR PATIENT SCREENING
100.0	<ul style="list-style-type: none"> OXYGEN MONITOR EMERGENCY RUN-DOWN UNIT
150.0	<ul style="list-style-type: none"> HAND TOOLS SMALL INSTRUMENTS
200.0	<ul style="list-style-type: none"> PENETRATION PANEL

LARGE MOVING FERROMAGNETIC OBJECTS SUCH AS CARS, TRUCKS, ELEVATORS, ETC. IN THE VICINITY OF THE MAGNET CAN AFFECT THE HOMOGENEITY OF THE MAGNETIC FIELD DEPENDING ON DISTANCE AND FREQUENCY OF MOVEMENT. A SITE-SPECIFIC EVALUATION SHALL BE CONDUCTED BY PICKED INTERNATIONAL.

GAUSS PROXIMITY LIMIT CHART