

ELECTRICAL DESIGN REVIEW CHECKLIST

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STATUS	NO.	ITEM	APPROVED BY	DATE APPROVED
	1	No electrical rooms is located directly below showers, laboratories, kitchens, dishwashing areas, or other areas where water service is provided. Pipe containing liquids or gases do not pass through electrical rooms, either.		
	2	Design and construction procedures meet compliance.		
	2.a	Requirements for electrical system distribution follow NEC 517-30/517-40 and the Electrical Design Manual.		
	2.b	Requirements for primary and secondary transformation are in compliance with the Electrical Design Manual.		
	2.c	Receptacles are in compliance.		
	2.d	Required raceways for fluoroscopic, radiographic, and deep therapy rooms are in compliance with the Electrical Design Manual.		
	2.e	Raceway systems exist as required in Electrical Design Manual.		
	2.e.1	All wiring is installed in raceways.		
	2.e.2	Underground raceways are encased in concrete.		
	3	Alarms, as well as all nonflammable medical gas and medical-surgical vacuum systems are in compliance with Electrical Design Manual and NFPA 99.		
	3.a	Master alarm panels are installed at telephone switchboard and engineering control center or boiler plant.		
	3.b	Area alarms are provided where medical gas systems are installed.		
	4	Miscellaneous alarms are in compliance with the Electrical Design Manual.		
	5	Electrical sub-metering equipment meets the requirements of the Electrical Design Manual (including sustainability requirements).		
	6	Lightning Protection System is in compliance.		
	7	Fire alarm systems have been constructed in line with the Protection Design Manual.		
	8	Design drawings adhere to technical requirements and style.		
	9	The system is in compliance with the all CAD requirements.		

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