

ELECTRICAL UTILITY SQUARE FOOT LOAD SUMMARY

Project Name: VAMC San Juan

Project Number: 003630.19



Gross Building Area: 52,000

REVISED: 02/14

BUILDING LOAD TYPE	AREA (SQ.FT.)	UNIT LOAD (VA / SQ.FT.)	LOAD (kVA)	CONNECTED LOAD (kVA)	DESIGN FACTOR (%)	DESIGN LOAD (kVA)	DESIGN UNIT LOAD (VA / SQ.FT.)
LIGHTING (Dormatory)	12,500	1.0		13	100%	13	1.0
RECEPTACLES (Dormatory)	12,500	2.0		25	NOTE 1	18	1.4
HVAC VENTILATION (Dormatory)	12,500	3.0		38	100%	38	3.0
HVAC AC (Dormatory)	12,500	4.0		50	100%	50	4.0
LIGHTING (Medical Office Building)	33,750	1.0		34	100%	34	1.0
RECEPTACLES (Medical Office Building)	33,750	2.0		68	NOTE 1	39	1.1
HVAC VENTILATION (Medical Office Building)	33,750	3.0		101	100%	101	3.0
HVAC AC (Medical Office Building)	33,750	4.0		135	100%	135	4.0
MISC. EQUIP. PROCESS LOAD (Medical Office Building)	33,750	0.5		17	75%	13	0.4
LIGHTING (Kitchen/Dining)	5,750	1.0		6	100%	6	1.0
RECEPTACLES (Kitchen/Dining)	5,750	2.0		12	NOTE 1	11	1.9
HVAC VENTILATION (Kitchen/Dining)	5,750	3.0		17	100%	17	3.0
HVAC AC (Kitchen/Dining)	5,750	4.0		23	100%	23	4.0
MISC. EQUIP. PROCESS LOAD (Kitchen/Dining)	-	-		275	100%	275	-
LIGHTING (Covered Walkway/Patio)	6,000	1.0		6	100%	6	1.0
LIGHTING (Site Lighting)	-	-		25	100%	25	-
OUTBUILDINGS(Guard House(s), Green House)	-	-		70	100%	70	
FIRE PUMP (50Hp)	-	-		50	100%	50	-
SUB TOTAL				963		922	17.7
FUTURE GROWTH (%)						10%	10%
TOTAL						1014	19.5

Notes:

1. 100% design load for first 10KVA and 50% design load for remainder over 10KVA per NEC 220.44.