

SAN JUAN COUNTY BUILDING DEPARTMENT

ELECTRIC SERVICE

ENGINEERED DRAWINGS REQUIRED

100 KVA

SINGLE PHASE	120/240 V	MAX 417 AMPS
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225 KVA

THREE PHASE	120/208 V	MAX 625 AMPS
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THREE PHASE	120/240 V	MAX 542 AMPS
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THREE PHASE	480 V AND 277/480 V	MAX 271 AMPS
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CALCS

100,000/240=416.66 AMPS	120/240 V	SINGLE PHASE
225,000/(208)(1.73)=625.28 AMPS	120/208 V	THREE PHASE
225,000/(240)(1.73)=541.91 AMPS	120/240 V	THREE PHASE
225,000/(480)(1.73)=270.95 AMPS	277/480 AND 480 V	THREE PHASE