



Sam Brown

Verified by: Sam Brown
Supervising Electrician
Chicago #SE123456

CONTRACTOR
Superior Electrical Chicago License # ECC12345
Contact: Sam Brown Phone: 773-333-1234 Email: sbrown@sup-el.com

ELECTRICAL DRAWING	
ADDRESS	100 E 100th St, Chicago IL 60600
CLIENT	100th Street Apartments LLC
SCOPE	Electrical service replacement 400 A 120/240 Replace feeders Replace grounding system

REVISIONS		
REV.	DATE	DESCRIPTION
0	6/24/2024	Issue for permit

LOAD CALCULATION

General Lighting Load	6,686 sqft x 3VA	20,058 VA
Small Appliance Load	1,500 VA x 2 x 4	12,000 VA
Laundry Load	1,500 VA x 1 x 4	6,000 VA
	TOTAL	38,058 VA

First 3,000 VA at 100%	3,000 VA x 100%	3,000 VA
Remaining at 35%	35,058 x 35%	12,270 VA
Dishwasher	1,500 VA x 4	6,000 VA
AC Unit x 3	5,000 VA x 3	15,000 VA
AC Unit x 1	4,000 VA x 1	4,000 VA
25% of largest motor	5,000 VA x 25%	1,250 VA

TOTAL VA	41,520 VA	41,520 VA x 1.25
TOTAL AMPS	216 AMPS	400 AMP service required

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