Request for Quotes (RFQ) For Standby Generator Installation
Town of Weathersfield Vermont

1. ANOUNCMENT

1.1 The Town of Weathersfield is accepting quotes from contractors to purchase & install a standby generator at Martin Memorial Hall. The work is to be performed Spring/Summer 2023. Estimates are due by November 9, 2022, at 3pm. Site visits can be scheduled upon request. Contact Brandon Gulnick at (802) 230-5765 OR townmanager@weathersfield.org to schedule a site visit.

2. ESTIMATE SPECIFICATIONS

Below is a detailed spec for the generator unit. This project includes the installation of a generator at Martin Memorial Hall.

Attachment A – Existing Service Conduit & Transfer Switch Placement
Attachment B – Outdoor Route
Attachment C - Fresh air intake to Boiler Room.
Attachment D – Generator Placement
Attachment E - 1-line electrical drawing.

The Town will complete the digging and supply the fuel. Installing the concrete pad is the contractor's responsibility.

2.1 Stationary Emergency-Standby rated

a. 35 kW rating, wired for 120/240 VAC single phase, 60 Hz
b. Brushless Excitation
c. MLCB, 80% rated thermal-magnetic
    i. 175 Amp
d. LP Vapor fuel system
e. Level 1 Acoustic Enclosure, Steel
    i. Industrial Grey Baked-On Powder Coat Finish
f. EPA Certified
    i. cETLus
g. Power Zone Pro Digital Control Panel for Single Generators
h. Meets NFPA 99 and 110 requirements
i. Temp Range -40 to +60 degrees C
j. Humidity 2 – 95% (Non Condensing)
k. UL6200
l. C-ETL-US
m. CE

n. IEC801 (Radiated Emissions, Susceptibility, and Surge Immunity)
o. 4.3" Resistive Color Touchscreen
    i. Webserver (via Power Zone Gateway using ethernet)
    ii. IP65 (front)
    iii. Auto/Manual/Off key switch, Alarm Indication, Not in Auto Indication, audible alarm, emergency stop switch

p. Dual Core Digital Microprocessor
    i. RS485, Ethernet and CANbus ports
q. All engine sensors are 4-20ma for minimal interference
    i. Sensors: Oil Pressure, optional Oil Temp, Coolant Temp and Level, Fuel Level/Pressure (where applicable), Engine Speed, DC Battery Voltage, Run-time Hours, Generator Voltages, Amps, Frequency, Power, Power Factor
    ii. Alarm Status: Low or High AC Voltage, Low or High Battery Voltage, Low or High Frequency, Pre-low or Low Oil Pressure, Pre-high or High Oil Temp (optional), Low Water Level and Temp, Pre-high or High Engine Temp, High, Low, and Critical-low Fuel Level/Pressure (where applicable), Overcrank, Over and Under Speed, Unit Not in Automatic
    iii. Programmable I/O
    iv. Built-in PLC for special applications
r. Engine function monitoring and control:
    i. Full range standby operation; programmable auto crank, Emergency Stop, Auto-Off-Manual switch
    ii. Isochronous Governor
        1. 0.25% digital frequency regulation with: soft-start ramping - adjustable, gain - adjustable, overshoot limit - adjustable
    iii. 3 Phase RMS Voltage Sensing
        1. +/-0.5% digital voltage regulation with: soft-start voltage ramping - adjustable, loss of sensing protection - adjustable, negative power limit - adjustable, Hi/Lo voltage limit - adjustable, V/F slope and gain - adjustable, fault protection
    iv. Service reminders, trending, fault history (alarm log)
    v. I2T function for full generator protection
    vi. Selectable low-speed exercise
    vii. 2-wire start controls for any 2-wire transfer switch
s. Remote Emergency Stop Switch, Break-Glass, shipped loose
t. 110 AH, 925 CCA Group 31 Battery, with rack, installed
u. Block Heater, 1500 watt
v. Std Heavy Duty Air Cleaner
w. Battery Charger, 10 Amp, NFPA 110 compliant, installed
x. 120V GFCI and 240V Outlet
y. Critical Grade Silencer
z. Std set of 3 Manuals
aa. Standard 2-Year Limited Warranty

bb. SG0035AG264.5V18SBSYA

2.2 **Transfer Switch TX Series**

A. 300 Amp, 2 pole, 120/240 VAC single phase, 60 Hz, with 2-Wire Start Circuit
   1. Utility Voltage Sensing Controls:
      A. Adjustable Drop-out and Pick-up
      B. Adjustable Utility Interrupt Delay

B. Adjustable Logic Controls:
   A. Minimum Standby Voltage
   B. Minimum Standby Frequency
   C. Engine Warmup
   D. Return to Utility
   E. Engine Cooldown
   F. Transfer on Exercise

C. 3 Owner's Manuals
D. Double Set of Form C Aux Cont
E. IBC Seismic Certified
F. CSA - C22.2 No.178
G. UL Listed 1008 by ETL
H. Controller Cover, Padlockable, Black
I. NEMA 1 Enclosure
J. Non Service Entrance Rated
K. In Phase Only Transfer
L. Standard two year basic warranty
M. Quantity 1 - Generac Commercial Gas Series generator set
N. TX611NN0300A2AN

2.3 The Contractor shall furnish all labor and equipment and ancillary services necessary to perform the generator installation project, with the exception of digging.

2.4 Work shall be completed before July 31, 2023

3. INDEMNIFICATION AND INSURANCE

3.1 The chosen contractor shall comply with the following requirements

3.2 The contractor agrees to defend and save harmless the Town of Weathersfield, its officers, agents and employees against all claims, demands, payments, suits, actions, recovery, and judgments of every kind and description arising out of the performance of the Agreement, including personal injury or property damage brought or recovered against it by reason of any negligent action or omission of the consultant, its agents, or employees and with respect to the degree to which the Town is free from negligence on the part of itself, its employees and agents.

3.2.1 General Liability-$1,000,000 per occurrence

3.2.2 Property Damage-$1,000,000 per occurrence

3.2.3 Personal Injury-$1,000,000 per occurrence

3.2.4 Automotive Liability-$500,000 per occurrence
3.2.5 Worker's Compensation-Statutory Requirement

4. INSTRUCTIONS

4.1 Proposals shall be typewritten or written in ink. Officials of corporations shall designate their official title; partners or sole owners shall so state giving the names of all interested parties. The person signing the estimate shall initial all corrections or erasures.

4.2 Estimates shall be submitted on the one-page "Estimate Response Form" provided and must be signed by an authorized representative.

4.3 In submitting the estimates the contractor agrees that acceptance of any estimate by the Town of Weathersfield within 90 calendar days constitute a contract. No work shall be started until a purchase order has been approved by the Town Manager and a Notice to Proceed has been given.

4.4 Discounts for immediate payment or credit terms where offered will not be a factor in the determination of the lowest responsible contractor. Payment terms by the Town will be cash, less any applicable discounts, to be paid within 30 days of the completion of the work by the contractor and formal acceptance by the Town.

4.5 Deviations from these estimate specifications are permitted only as separate estimates provided they are submitted as alternate proposals accompanying a conforming estimate.

4.6 Selection criteria: This estimate shall be awarded to the Contractor whose estimate represents the best value to the Town of Weathersfield.

4.7 All estimates shall include the following

4.7.1 Contractors name, address, and phone number
4.7.2 List of similar works performed
4.7.3 Lump Sum Project Cost
4.7.4 Estimated Completion Date

4.8 Questions relating to these specifications may be directed to Brandon Gulnick, Town Manager of the Town of Weathersfield:
(802) 674-2626 or townmanager@weathersfield.org

4.9 Interested contractors shall submit an original and one copy of their estimate to the Town of Weathersfield: Generator Installation Project. Estimates may be emailed, hand delivered, or mailed. If mailed, please ensure enough time to be received by the estimate due date. Post marks not accepted.

Town Manager
Town of Weathersfield
5259 Route 5
P.O. Box 550
Ascutney, VT 05030

5. THE TOWN RESERVES THE RIGHT:

5.1 to accept or reject any or all estimates in whole or in part and to accept other than the lowest price proposal.
5.2 to amend, modify, or withdraw this Request for Quote
5.3 to require supplemental statements or information from proposers
5.4 to extend the deadline for responses to this Request for Estimates
5.5 to waive or correct any irregularities in estimates received
5.6 to negotiate separately with competing contractors.
5.7 to inspect and/or test a stockpiled sample of the proposed gravel product (if available) before awarding the estimate.
5.8 to award the estimate deemed in the best interest of the Town

6. CALENDAR

6.1 RFQ posted: October 28, 2022
6.2 Site Visit: Upon request
6.3 Estimates Due: November 9, 2023, by 3pm.
6.4 Contractor Notification: November 21, 2023

TOWN OF WEATHERSFIELD, VERMONT
RFQ RESPONSE FORM
REQUEST FOR QUOTE – GENERATOR INSTALLATION PROJECT

Company Name:	
Address:	
Email Address	
Phone Number	

List similar work performing roadside mowing for towns contractor has successfully completed. Provide names and phone numbers of references. (attach separate sheet if necessary)

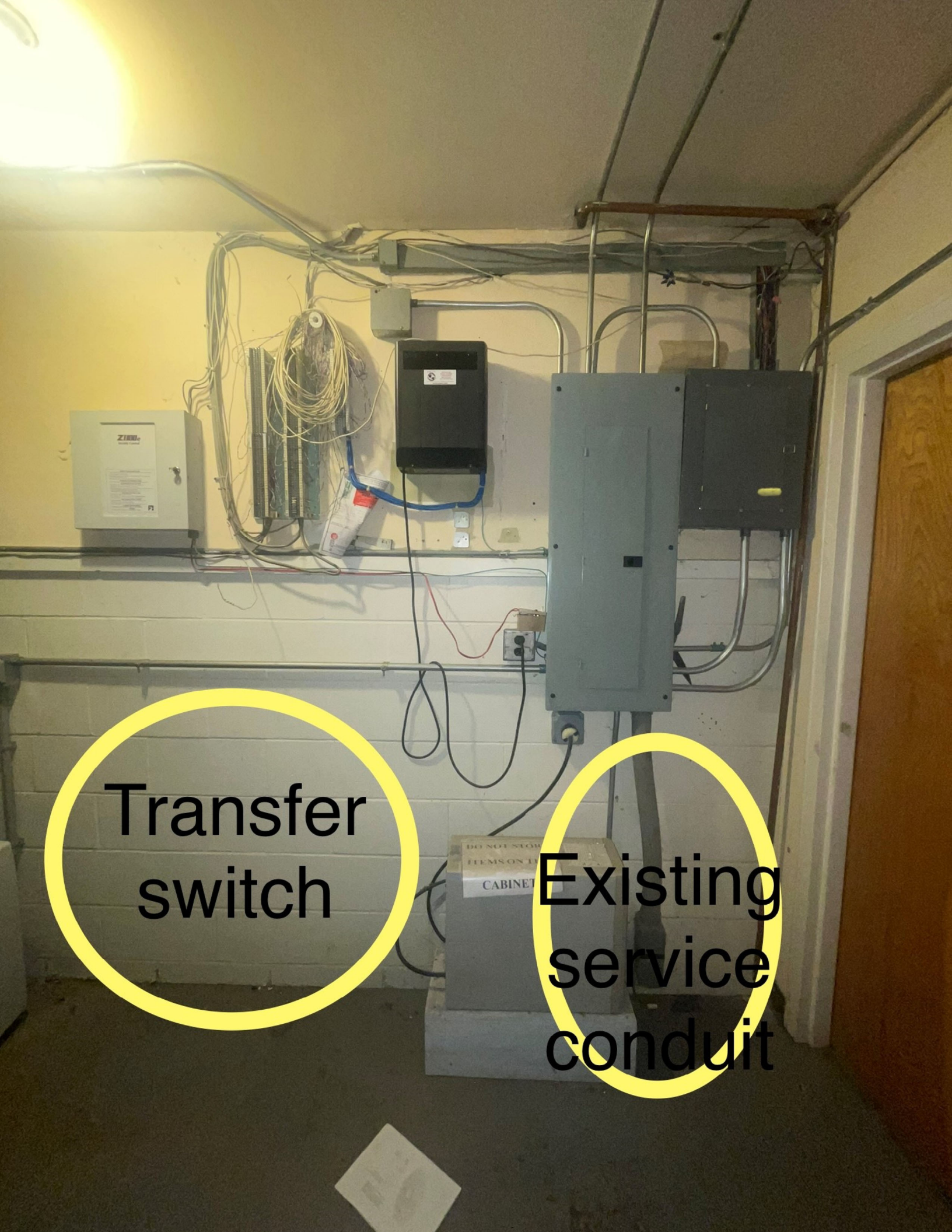
Lump Sum Project Cost $_____

Estimated Completion Date (+/- 30 days) _____

The undersigned, having familiarized himself/herself with the project, hereby proposes to furnish all labor and equipment and ancillary services required to perform the generator installation project.

Signature: _____ Date: _____

Attachment A
[Existing Service Conduit & Transfer Switch Placement]


Transfer switch
Existing service conduit

Attachment B
[Outdoor Route]


Route to get outdoors

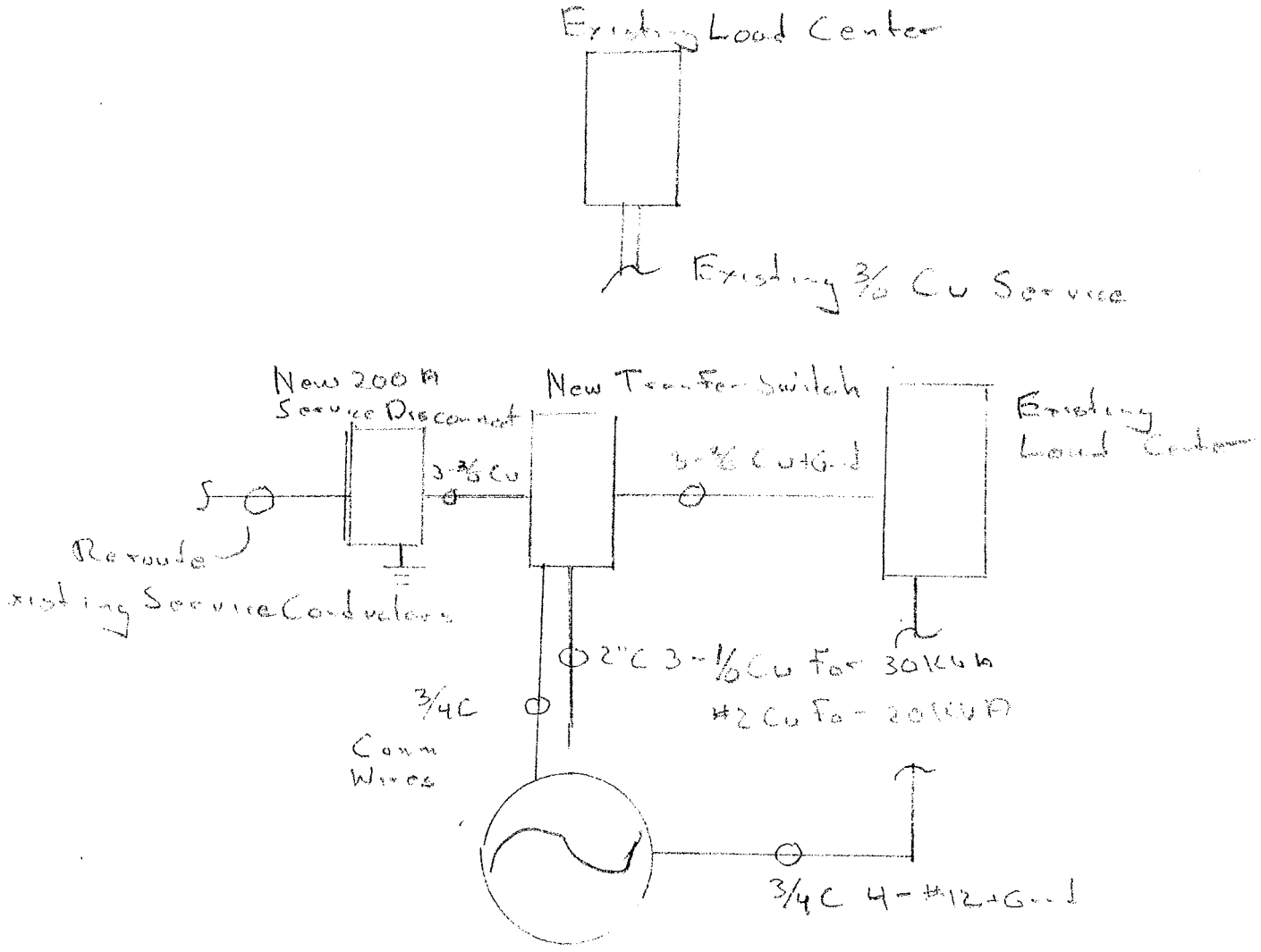
Attachment C
[Fresh air intake to Boiler Room]


Fresh air intake to boiler room

Attachment D
[Generator Placement]


Generator location

Attachment E
[1-line electrical drawing]


Existing Load Center
Existing 3/0 Cu Service
New 200 A
Service Disconnect
New Transfer Switch
Existing
Load Center
3-3/0 Cu
3-3/0 Cu+G...
Reroute
existing Service Conductors
2"C 3-1/0 Cu for 30KVA
#2 Cu for 20KVA
3/4C
Comm
Wires
3/4C 4-#12+G...