200 AMP TO 100 AMP SUB-FEED INSTALLATION

200 AMP MAIN PANEL

100 AMP SUB PANEL

GENERAL NOTE:
ALL ALUMINUM WIRE SHOULD BE
COATED WITH CORROSION
INHIBITOR SOON AFTER THE
INSULATION IS REMOVED. LUGS AND
THREADS SHOULD ALSO BE COATED
TO PREVENT METAL SEIZURE DURING
THE TIGHTENING PROCESS.
LOCKNUTS AND FITTINGS SHOULD BE
TIGHT AND SECURE. ANY KNOCKOUTS
THAT WERE REMOVED BUT NOT USED
MUST BE PLUGGED WITH KO SEALS

GROUNDING CONDUCTOR
TO ENCLOSURE

GROUNDING ELECTRODE CONDUCTOR
IS REQUIRED IF PANEL IS IN
SEPARATE BUILDING!!! SEE
GROUNDING NOTE BELOW.

BLACK = #2 AWG COPPER OR #1 AWG ALUMINUM
RED = #2 AWG COPPER OR #1 AWG ALUMINUM
WHITE = #4 AWG COPPER OR #2 AWG ALUMINUM
GREEN = #8 AWG COPPER OR #6 AWG ALUMINUM
CONSULT WITH YOUR GROVER SALES STAFF
FOR CONDUIT REQUIREMENTS
PERTAINING TO YOUR INSTALLATION

GROUND CONDUCTOR TO BUSHING

WHITE TAPE ON NEUTRAL

IF BONDING STRAP IS NOT PROVIDED WITH PANEL, A BONDING JUMPER MUST BE INSTALLED.

GROUND CONDUCTOR TO ENCLOSURE

SEE GROUNDING NOTE BELOW.

GROUNDING NOTE:
VERIFY GROUNDING REQUIREMENTS WITH YOUR LOCAL GROVER REPRESENTATIVE, LOCAL CODES & THE NEC (ARTICLE 250). ALL AVAILABLE GROUNDING ELECTRODES MUST BE BONDED TOGETHER (CONCRETE ENCASED ELECTRODE, GROUND RODS, UNDERGROUND WATER PIPES).
MINIMUM GROUNDING ELECTRODE CONDUCTOR FOR 200 AMP PANEL TO BE #4 AWG COPPER.
MINIMUM GROUNDING ELECTRODE CONDUCTOR FOR 100 AMP SUB PANEL (IF REQUIRED) TO BE #8 AWG COPPER.

These “How-To-Do-It” sheets have been reviewed in June 2007 by a professional Engineer. If you find a problem, please notify G & G Electric & Plumbing at 1900 NE 78th Street, Ste. 101, Vancouver, Washington 98665