



COUNTY OF MENDOCINO
DEPARTMENT OF PLANNING AND BUILDING SERVICES

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GENERATOR CHECKLIST

(2016 CALIFORNIA BUILDING STANDARDS CODE OF REGULATIONS TITLE 24)

All generators must be inspected to verify code compliance, method of installation, and site placement. *Portable/Temporary Generators that are not connected to the structures permanent wiring system do not require a permit.

- (1) Building Permit Application - Form must be filled out completely (see attachment)
- (1) Site Plan - Indicating location of generator, transfer switch, raceway(s), fuel/gas piping, and distance to property line (blank site plan attached)
- (2) Copies of generator manufacturer's installation instructions/specifications (see attachment)
- (2) Copies of transfer switch manufacturer's installation instructions/specifications. (see attachment)
 - (1) Mendocino County Air Quality (AQMD) approval is needed on all generators 50 HP or greater or for **commercial installations**. (see attachment from AQMD)
- (2) Copies of electrical/plumbing plans, which must include the following:
 - ✓ The brand, model, KW-output of generator to be installed (*this information can be obtained from the generator's installation manual*)
 - ✓ The brand, model, and specifications of the transfer switch to be utilized (*this can be obtained from the switch manufacturer*)
 - ✓ Location of generator, transfer switch, raceways, and fuel gas piping to/from the unit, surface or material generator will be mounted or placed on
 - ✓ Size of conductors and size/material of raceway(s) used
 - ✓ Grounding and bonding requirements for separately derived systems
 - ✓ Generators are **not allowed** to be placed in the easement of any property
 - ✓ Placement in a hazardous location is also **not allowed**, maintain required clearances to openings
 - ✓ Size dimensions of the generator (*length, width, height*)
 - ✓ If generator is placed inside a structure, it is required to be listed for interior installations- specify exhaust system and ventilation requirements
 - ✓ Generators shall be equipped with a disconnect for service of equipment
 - ✓ Type of fuel supply for generator
 - ✓ Size and type of fuel gas supply piping used



Planning and Building Services
BUILDING PERMIT APPLICATION

Permit # _____

Accepted By: _____

Date: _____

(Office Use Only)

Only property owners, licensed contractors or agents with written authorization may obtain permits.

MARK ALL THAT APPLY	1. <input type="checkbox"/> RESIDENTIAL <input type="checkbox"/> COMMERCIAL <input type="checkbox"/> AGRICULTURAL <input type="checkbox"/> INDUSTRIAL
	2. <input type="checkbox"/> New <input type="checkbox"/> Addition <input type="checkbox"/> Remodel/Replace <input type="checkbox"/> Demolition
	3. <input type="checkbox"/> Single Family <input type="checkbox"/> Mobile Home <input type="checkbox"/> Grading <input type="checkbox"/> Window Change <input type="checkbox"/> Reroof w/Sheathing <input type="checkbox"/> Electrical <input type="checkbox"/> Other: _____ <input type="checkbox"/> 2-4 Unit Residential <input type="checkbox"/> Manufactured <input type="checkbox"/> Fire Repair <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Photovoltaic <input type="checkbox"/> Class K <input type="checkbox"/> 5+ Unit Residential <input type="checkbox"/> Modular <input type="checkbox"/> Garage/Storage <input type="checkbox"/> Siding <input type="checkbox"/> Mechanical <input type="checkbox"/> Ag Exempt <input type="checkbox"/> Second Residence <input type="checkbox"/> Foundation Only <input type="checkbox"/> Deck/Patio Cover <input type="checkbox"/> Reroof <input type="checkbox"/> Plumbing <input type="checkbox"/> Occupancy Change

Project Address: _____ APN: _____

Driving Directions: _____

Complete scope of work: _____

Valuation: \$ _____

	Existing	Proposed	
<u>Residential</u>			<u>Grading</u> <input type="checkbox"/> YES <input type="checkbox"/> NO
<input type="checkbox"/> Living Area		sf	Cut _____ (cy) Fill _____ (cy) Slope _____
<input type="checkbox"/> Garage/Storage		sf	Area of disturbance _____ (sf)
<input type="checkbox"/> Deck		sf	<u>Utilities</u>
<input type="checkbox"/> Porch		sf	<input type="checkbox"/> Well <input type="checkbox"/> Septic <input type="checkbox"/> Public: _____
<input type="checkbox"/> Carport		sf	<u>Will you or your contractor perform any of the following?</u>
<input type="checkbox"/> Remodel		sf	<input type="checkbox"/> Construct/upgrade a fence?
<input type="checkbox"/> Other: _____		sf	<input type="checkbox"/> Construct/upgrade driveway?
<u>Commercial/Industrial</u>			<input type="checkbox"/> Construct new road or upgrade an existing approach?
<input type="checkbox"/> Office		sf	<input type="checkbox"/> Install/replace culvert in roadside ditch?
<input type="checkbox"/> Medical		sf	<input type="checkbox"/> Install utilities/services in County Right-of-Way?
<input type="checkbox"/> Retail		sf	<input type="checkbox"/> Trim/remove any trees within County Right-of-Way?
<input type="checkbox"/> Restaurant		sf	<input type="checkbox"/> Will not be performing any of the above actions.
<input type="checkbox"/> Warehouse		sf	<u>Are there any other buildings on the site? If so, please describe:</u>
<input type="checkbox"/> Other: _____		sf	_____
<u>Agricultural</u>			<u>Are there any other adjoining properties owned? If so, list APN's:</u>
<input type="checkbox"/> Other: _____		sf	_____
Size of Structure: _____ sf			_____
Total # of Bedrooms: _____ Existing _____ Proposed			_____
If Mobile Home, Year: _____ Make: _____			_____
Model: _____ Serial #: _____			_____

Applicant Information: Please check the appropriate box for the primary contact

- PROPERTY OWNER AGENT CONTRACTOR
 OWNER/BUILDER? *Proof of Ownership will be required

Property Owner Name: _____ Phone: _____ Email: _____

Address: _____

Agent Name: _____ Phone: _____ Email: _____

Address: _____

Contractor Name: _____ Phone: _____ Email: _____

Address: _____ License # & Class: _____

Waste Management-Recycling Plan

- Yes -I understand that a Construction Waste Management Plan is required for all construction permits of 1,000 sf or more and all demolition permits. 50% diversion of your waste may be required.

LICENSED CONTRACTOR DECLARATION: I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Date: _____ Contractor Signature: _____

OWNER/BUILDER DECLARATION: I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code: Any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500).)

I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).

I, as owner of the property, or my employees with wages as their sole compensation, will do () all of OR () portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built or improved for the purpose of sale.).

I am exempt from licensure under the Contractors' State License Law for the following reason: _____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: <http://www.leginfo.ca.gov/calaw.html>.

Date: _____ Owner Signature: _____

WORKER S' COMPENSATION DECLARATION: *Please read carefully and check the applicable statement below:*

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are: Carrier _____ Policy No _____ Expiration Date _____
Name of Agent _____ Phone Number _____

I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. Policy Number _____

CONSTRUCTION LENDING AGENCY:

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code). N/A

Lender's Name _____

Lender's Address _____

By my signature below, I certify to the following: I am () a California licensed contractor or () the property owner* or () authorized to act on the property owner's behalf**. I have read this construction permit application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction. I authorize representatives of this city or county to enter the above-identified property for inspection purposes.

TIME LIMITATIONS OF APPLICATION: *An application for a permit for any proposed work shall be deemed to have been abandoned 1 year after the date of filing, unless a permit has been issued. The destruction of documents may occur 180 days after application expiration date.*

Date: _____ SIGNATURE OF APPLICANT: _____

* Requires Separate Owner Verification



Plot Plan Requirements

Your application for a building permit must include 1 copy of an 8½" x 11" Plot Plan. (Larger paper size (up to 11x17) may be accepted upon approval). The information shown on the plot plan should be legible, drawn to scale if possible and must show the following:

1. Property Owner's Name, Job Address, and Assessor's Parcel Number(s).
2. Legal Parcel Configuration clearly shown with all property boundaries, dimensions and acreage (must include all Assessors' Parcel Numbers).
3. Adjacent streets both public and private and any access easements.
4. Distance from centerline of any public/private roadway to property line.
5. North Arrow and scale if applicable.
6. Proposed structure or addition including distance from property lines and other structures (i.e. Proposed Single Family Residence, Proposed Garage etc...)
7. All Existing structures clearly labeled and distances from property lines (i.e. Existing Garage, Existing Barn etc...)
8. Driveways, Parking and Loading areas. Parking space size and setbacks from property lines must be shown for all commercial/industrial parking.
9. Existing and proposed septic systems/leach fields and wells, including distances from structures.
10. Easements and Utility lines (power, sewer, water, access etc...)
11. Fences, retaining walls.
12. Lakes, ponds or streams to be identified with names if appropriate. Setbacks from watercourse to proposed project.
13. Location of Floodplain/Floodway.
14. Location of any Signs and distances to property lines for commercial/industrial uses.

Plot Plans, which may not be acceptable:

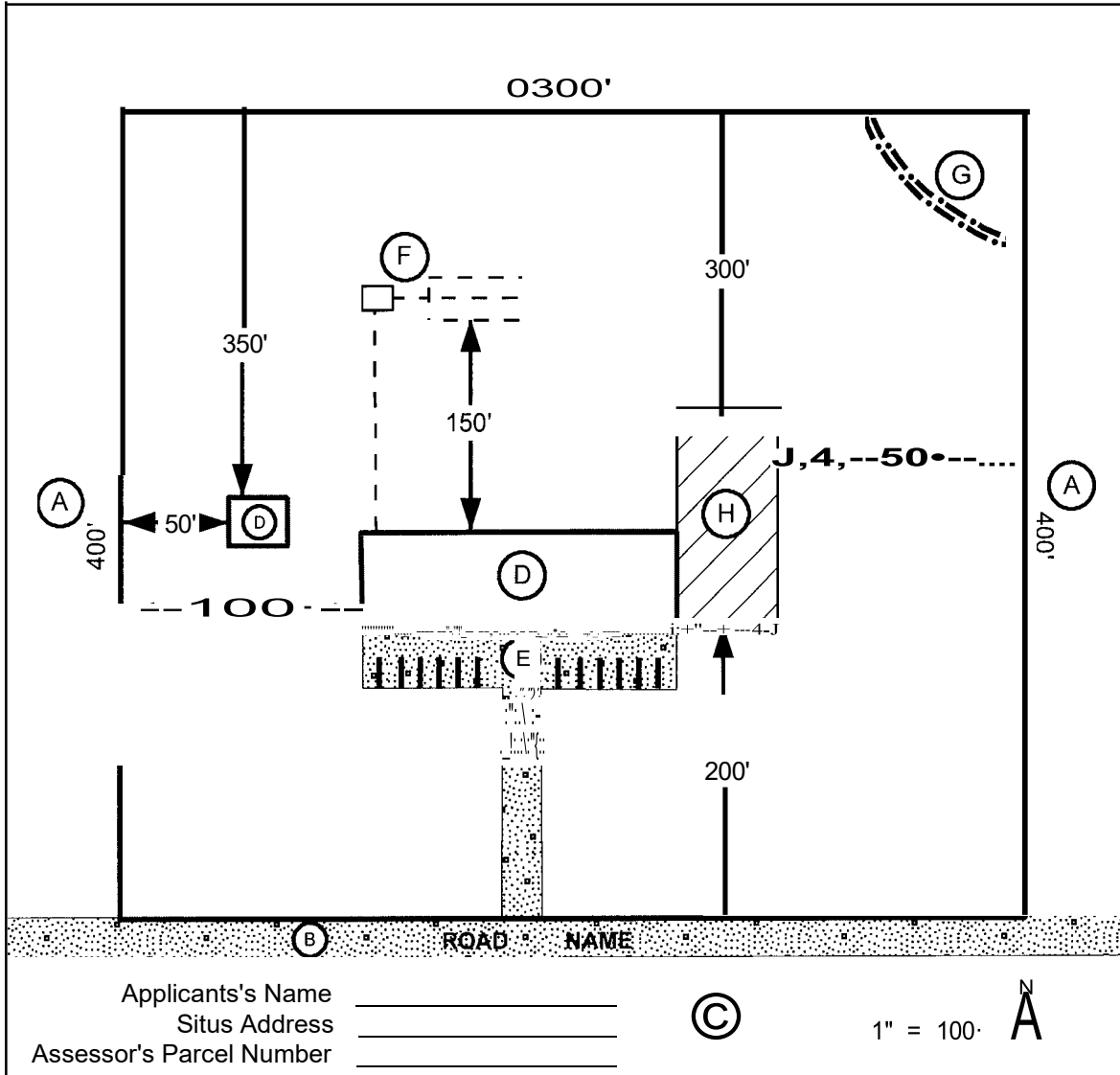
- a. Copies from the CDF application
- b. Portions of larger scaled plot plans
- c. Copies of plot plans used for previously approved building permits (plans which may include whited out areas, previous approval signatures, and illegible notations).

Failure to include any of the required information may result in the rejection of your application, in the delay of processing your building permit application or invalidate your approved building permit.

You may wish to use the Plot Plan Form supplied with your building permit application for your convenience.

See other Side for Sample Plot Plan

SAMPLE PLOT PLAN



- A. Parcel Shape and Dimensions.
- 8. Adjacent Streets.
- C. North Arrow and Scale.
- D. Existing Buildings including distance from property lines.
- E. Driveways, Parking and Loading Areas.
- F. Existing and proposed septic system and wells including distances from structures.
- G. Easements and Utility Lines (power, sewer, water, etc.).
- H. Proposed structure or addition including distance from property lines.

PLOT PLAN



COUNTY
OF
Mendocino

APPLICATION# _____

JOB ADDRESS: _____ CITY OR TOWN: _____

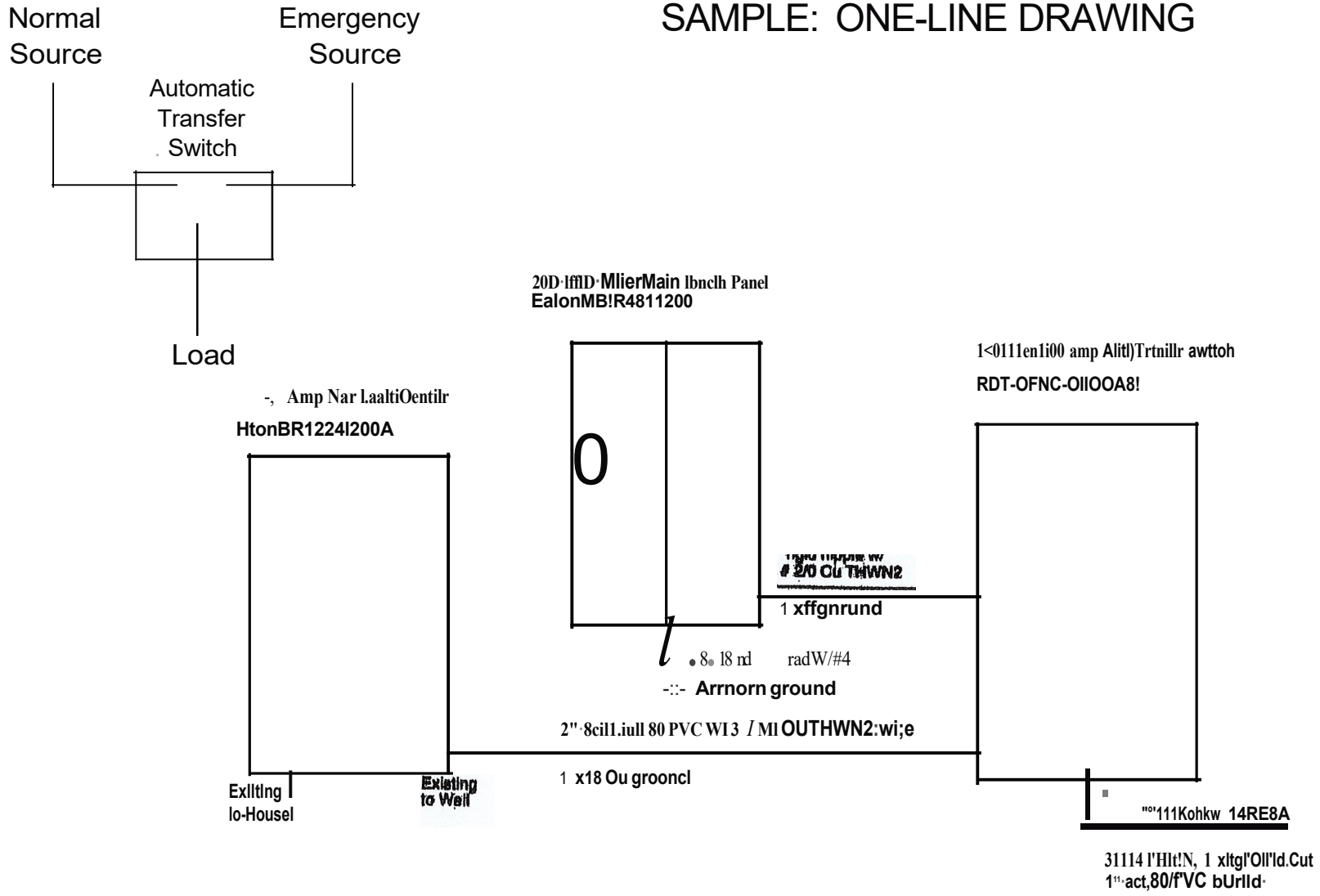
ASSESSOR'S PARCEL #: _____ PROPERTY OWNER'S NAME: _____

SHOW ALL BUILDINGS, STRUCTURES, SEPTIC TANKS AND LEACH FIELDS, WELLS, STREAMS, LAKES, ROADS, STREETS, ALLEYS, RETAINING WALLS, FENCES, EASEMENTS, POWER POLES, AND ANY OTHER IMPROVEMENTS AND INDICATE ALL DISTANCES BETWEEN. SPECIFY WHETHER EXISTING OR PROPOSED. INDICATE ORIENTATION WITH A NORTH ARROW.

Automatic transfer switch - ATS

An automatic transfer switch is defined as **"self-acting equipment for transferring one or more load conductor connections from one power source to another"**. The automatic transfer switch is the most common means of transferring critical loads to the emergency / standby power supply.

SAMPLE: ONE-LINE DRAWING



200 Amp Main Inbch Panel
 HtonBR12241200A
 1<0111en100 amp Alitl)Trnlllr awttoh
 RDT-OFNC-01100A8!

< To Wilits and Baechtcl Road

East Hill Rd

New Concrete Bridge

Turn light at mail box group with 1893 being the most visible.

Spur of East Hill Road

North

< Lois Lane

Approx. 150' to prop line

LPG Tank

150' to prop line +/-

10'

Gen.

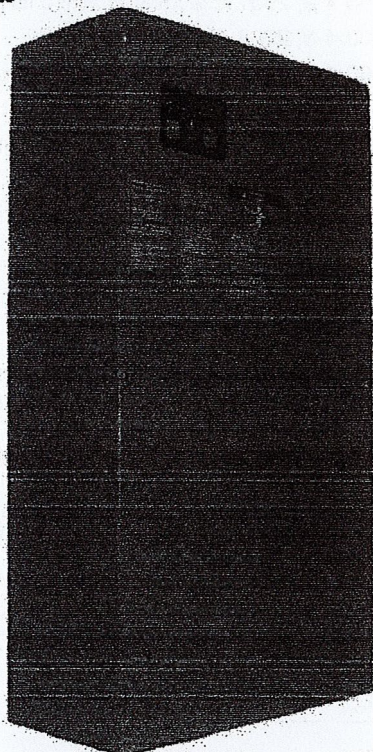
pump house

New service equip. location

Approx 200' to prop line

1993 East Hill Road

House



Standard Features

- UL listed
 - o Models with load centers, UL 67 listed, file #E251086
 - o Models without load centers, UL 1008 listed, file # 58962
- cUL listed
 - o 100 and 200 amp models with load centers, file #E251086
- CSA certification available, file #LR58301 (not applicable to service entrance or load center models)
- 220/240 VAC, 50/60 Hz (selectable)
- 100, 200, and 400 amp models available
- Two-pole, single-phase open-transition transfer switch
- Contactor electrically and mechanically interlocked
- 100/200 amp throw inherently interlocked design
- Solid neutral
- Contactor manually operable for maintenance purposes
- Single main terminals
- AH-models are 100% equipment rated and can be applied at the rated current without derating
- 100 and 200 amp models available with or without prewired Square D type QO load center
 - o 100 amp load center models use up to 16 circuit breakers (up to 8 tandem breakers for a maximum of 24 circuits)
 - o 200 amp load center models use up to 24 circuit breakers
 - o 200 amp service entrance model with 42-circuit breaker load center is available
- Two enclosures available
 - o NEMA Type 1 steel ANSI 49 gray enclosure for indoor installation. 100 amp and 200 amp models with load centers can be recess-mounted between wall studs (not service entrance 100/200 model).
 - o NEMA Type 3R corrosion-resistant aluminum ANSI 49 gray padlockable enclosure. Approved for indoor or outdoor installation.
- Five-year limited warranty
- See page 6 for available accessories

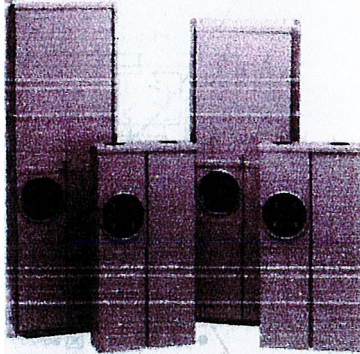
MPAC-soo controller Features

- Active management with easy international
- Remote available and contactor position indicators
- LED indication of system faults
 - o Failure to acquire standby source
 - o Failure to transfer
 - o Auxiliary switch fault
- Common fault contact: latches closed on system faults shown above
- Engine start contact: provides contact closure to start the generator set
- Load control contact: allows 5-minute delay in startup of selected loads
- Test button (with or without load)
- Exercise set button
 - o Weekly 20-minute generator set exercise
 - o With or without load
- Single-phase voltage sensing on both sources, $\pm 5\%$
- Line-to-line frequency sensing, $\pm 2\%$
- Fixed time delays

Service Entrance Model Features

- 200 and 400 amp service entrance rated automatic transfer switches available
- Service disconnect circuit breaker on the normal (utility) source (80% rated)
- NEMA 3R aluminum ANSI 49 gray enclosure
- Circuit breaker for generator set battery charger
- See page 5 for available SE model accessories

Meets EUSERC Requirements Service Entrance Devices 100 - 225 Amperes



Meet. EUSERC Requirements Service Entrance Devices 100-225 Amperes

Product Description

A new line of Cutler-Hammer West Coast/EUSERC Meter Breaker units. The new EUSERC devices complement the existing standard meter breaker devices. Customers who are interested in the complete meter breaker line of products can refer to Technical Data 1031F.01.1E

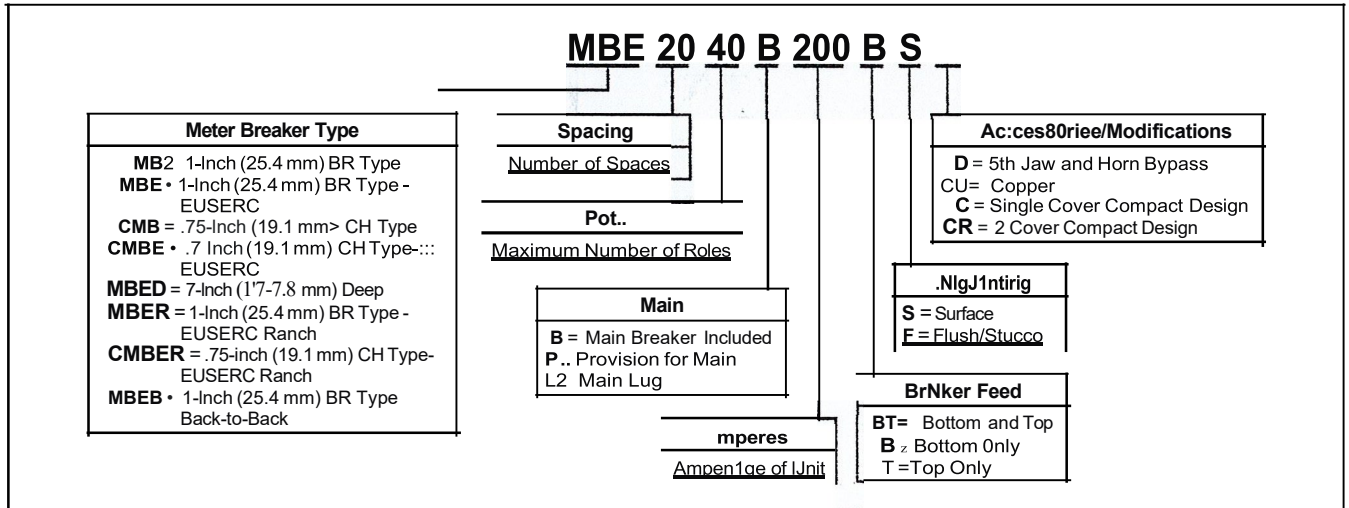
Features, Benefits and Functions

- Single-phase, 3-wire, 120/240 volt, 10,000 AIC.
- Larger 300 kcmil lugs and additional knockouts for ease of installation.
- Box type main lugs are included.
- Factory installed neutrals.
- Hub provisions on top endwall. If hubs are required, order uosn type hubs.
- Ring type sockets are provided with a sealing ring.
- Padlock able device cpyers provi(:Je an additional measure of security, and help prevent tampering..
- Most units have center keyhole for easy one-person installation.
- Clip-light™ socket has reduced connections. This offers fewer hot spots and improves saqk t integrity.
- NEMA 3R rainproof construction.

SAMPLE ONLY

Product Selection

Table 5-47. Catalog Numbering System (Applies to Naw Designs Only)



BARBARA A. MOED, PG
Air Pollution Control Officer

DONNA M. ROBERTS NASH
Air Quality Program Manager



306 East Gobbi Street
Ukiah, California 95482
(707) 463-4354 Fax: 463-5707
mcaqmd@mendocinocounty.org
www.mendoair.org

Mendocino County Air Quality Management District

Mendocino County Air Quality Management District Advisory Regarding Installation of Emergency Backup Generators

Information regarding new installations emergency backup generators in the event of Public Safety Power Shutoff (PSPS):

Air Quality Permits are required for:

- ✓ Diesel Powered Units 50 Hp or greater, or multiple less than 50 Hp engines totaling 90 Hp or greater when combined;
- ✓ Gasoline, Natural Gas or Propane Powered Units – 250 Hp or greater.
- ✓ Engines registered in the state PERP Program will require a permit from the District prior to being installed at a stationary location.

Applications are available on the District's Website at www.mendoair.org or to request an application call the District office at 707/463-4354 or email to MCAQMD@mendocinocounty.org.

Application Information Required:

- A completed Application Cover Sheet ; and
- A completed Application; including;
 - A detailed description of proposed equipment
 - Attach Engine Tier Certification or CARB Executive Order (Diesel powered engines 50 Hp or greater must meet Particulate Matter (PM) Emissions Standards of 0.20 g/bhp-hr.)
 - Proposed use; (Emergency Backup Power, Voluntary Off-Grid Power, etc.)
 - Facility and Process Diagrams, and
 - Specific location of the equipment on the site.
- Fees are not due at the time of application.

The District will make every effort to process the application within 30 days or less provided all requested information has been submitted. If you have questions please call our office for assistance.

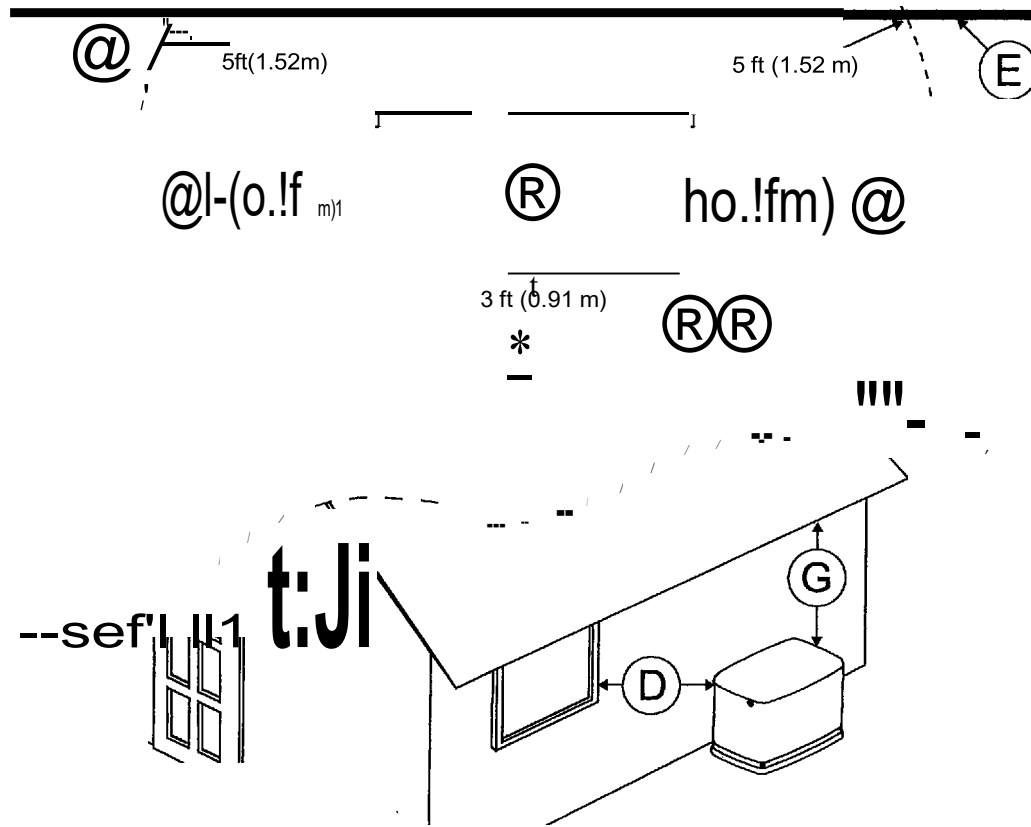


Figure 3-1. Installation Clearances

ID	Description	Comments
A	Top of generator	-
B	Front and end clearance	Minimum clear distances cannot include shrubs, bushes, or trees.
C	Rear clearance	18 in (45.7 cm) minimum clearance per NFPA testing, labeling, and listing, unless state or local codes dictate otherwise.
D	Windows and openings	No operable windows, doors, or openings in the wall are permitted within 5 ft (1.52 m) from any point of the generator.
E	Existing wall	One-hour fire rated walls allow closer placement of the generator set. Confirm before installation.
F	Removable fence	Removable fence panels for servicing cannot be placed less than 3 ft (0.91 m) in front of the generator.
G	Overhead clearance	5 ft (1.52 m) minimum distance from any structure, overhang, or projections from the wall. DO NOT install under wooden decks or structures unless this distance is maintained.