

SINGLE LINE REPRESENTATION

ISOMETRIC REPRESENTATION

DIAGRAM NOTES:

1. CUSTOMERS GENERATOR, CONNECTIONS TO BE MADE BY A LICENSED ELECTRICIAN FROM GENERATOR TO BREAK SWITCH. TO PREVENT THE GENERATOR FROM BACK FEEDING INTO THE EED ELECTRICAL GRID.
2. BREAK SWITCH WITH FUSED PROTECTIVE EQUIPMENT REQUIRED. (YOU MUST BREAK ALL CONDUCTORS). SEE ENLARGED DETAIL M8-9B FOR WHOLE HOME OR M8-9C FOR SUB PANEL METHODOLOGY.
3. METER BASE AND ELECTRIC METER.
4. MAIN POWER PANEL.

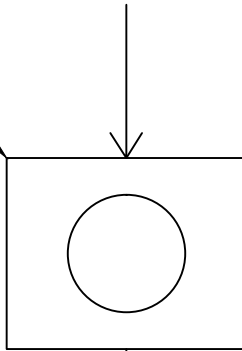
GENERAL NOTES.

1. ALL CONNECTIONS TO BE MADE BY LICENSED ELECTRICIAN.
2. ALL WORK MUST BE INSPECTED BY STATE ELECTRICAL INSPECTOR.

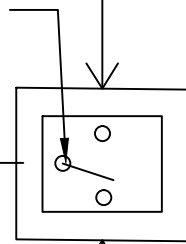
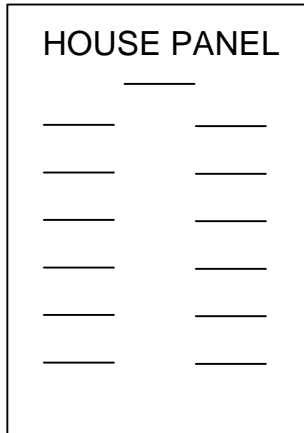
COMPANY: <b>ELIZABETHTON ELECTRIC DEPARTMENT</b>					<b>M8-9</b>
DETAIL NAME: RESIDENTIAL GENERATOR CONNECTION MATERIALS TO BE SUPPLIED BY BUILDER/OWNER					
DRAWN BY: J.E.S.	CHECKED BY:	DATE: 07/01/2010	PURPOSE: ASSEMBLY DETAIL	SCALE: N.T.S.	PAGE: 9 OF PAGES: 11

FEED FROM ELECTRIC UTILITY

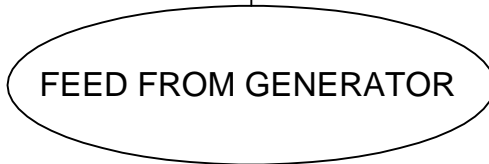
METER BASE



POSITION BREAK SWITCH WITH FUSED PROTECTIVE DEVICE SIZE MATCH TO YOUR SERVICE..



FEED FROM GENERATOR



NOTE:  
TRANSFER SWITCH TO BE; AS NOTED BELOW OR EQUIVELANT.

SWITCHES MANUFACTURED BY MIDWEST.

FOR 100 AMP MAIN AND 100 AMP STANDBY.  
#GS1101B12UL.

FOR 200 AMP MAIN AND 100 AMP STANDBY.  
#GS1201B20UL.

FOR 200 AMP MAIN AND 200 AMP STANDBY.  
# GS1202B20UL.

NOTE:

1. ALL CONDUCTORS FROM A GENERATOR MUST CONNECT THROUGH A TRANSFER SWITCH.
2. ALL CONDUCTORS MUST BE BROKEN AND CONNECTED TO THE TRANSFER SWITCH.
3. A QUALIFIED ELECTRICIAN SHOULD INSTALL THIS TYPE SWITCH.
4. THE STATE ELECTRICAL INSPECTOR SHOULD INSPECT THE INSTALLATION.
5. SWITCH MAY BE A MANUALLY OPERATED OR AUTOMATIC.

COMPANY:

**ELIZABETHTON ELECTRIC DEPARTMENT**

DETAIL NAME:

**RESIDENTIAL GENERATOR WHOLE HOME TRANSFER SWITCH.  
ENLARGED DETAIL OF TRANSFER SWITCH**

**M8-9B**

DRAWN BY:

J.E.S.

CHECKED BY:

08/01/2011

PURPOSE:

ASSEMBLY DETAIL

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BREAKER TO FEED  
SUB PANEL SIZE  
TO CARRY LOAD  
FOR SUBPANEL

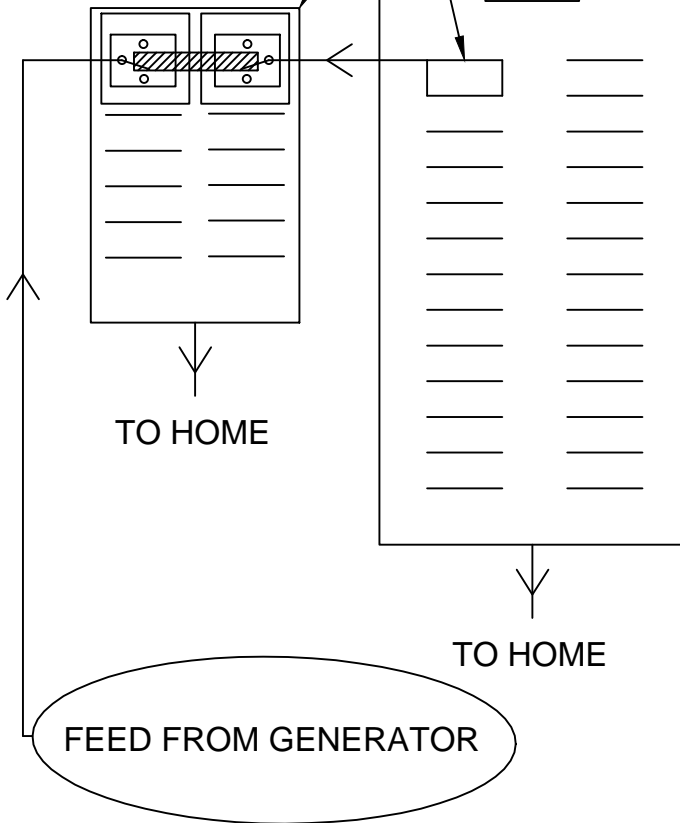
STANDBY POWER  
INTERLOCK IN  
SUBPANEL SIZE  
PER LOAD IN  
SUBPANEL

FEED FROM ELECTRIC UTILITY

METER BASE

HOUSE  
PANEL

MAIN



NOTE:  
STANDBY POWER INTERLOCK TO  
BE; BY SIEMENS OR EQUIVELANT.

SUBPANEL #E0816ML1125 F OR S

BREAKERS SIZE AS REQUIRED  
DOUBLE 20 NOTED 2 EACH.  
# Q220 IN SUBPANEL.

STANDBY POWER INTERLOCK  
#ECSBPK01.

OTHER ACCEPTABLE TYPES OF  
LOCKS AND SIZES MAY BE VIEWED  
AT: [http://www.sea.siemens.com/us/SiteCollectionDocuments/Other/1\\_10/5/RPSA-ELEC1-0805.pdf](http://www.sea.siemens.com/us/SiteCollectionDocuments/Other/1_10/5/RPSA-ELEC1-0805.pdf)

NOTE:

1. ALL CONDUCTORS FROM A GENERATOR MUST CONNECT THROUGH THE SUBPANEL AND BE CONNECTED TO SWITCHES CONNECTED BY A STANDBY POWER INTERLOCK DEVICE. THIS IS TO PREVENT BACK FEED TO ELECTRICAL GRID.
2. A QUALIFIED ELECTRICIAN SHOULD INSTALL THIS TYPE SWITCH.
3. THE STATE ELECTRICAL INSPECTOR SHOULD INSPECT THE INSTALLATION.
4. SWITCH MAY BE MANUALLY OPERATED OR AUTOMATIC.

COMPANY:

**ELIZABETHTON ELECTRIC DEPARTMENT**

DETAIL NAME:

RESIDENTIAL GENERATOR CONNECTION TO SUBPANNEL IN HOME  
ENLARGED DETAIL OF BREAK SWITCH IN SUBPANEL.

**M8-9C**

DRAWN BY:

J.E.S.

CHECKED BY: DATE:

08/01/2011

PURPOSE:

ASSEMBLY DETAIL

SCALE:

N.T.S.

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