



Date: _____

INSPECTIONS DEPARTMENT
AVAILABLE FAULT CURRENT CALCULATION INFORMATION FORM

Electrical Contractor: _____

Street Address: _____ **City:** _____ **State:** _____ **Zip:** _____

The following information is requested to determine the electrical equipment installation at: **(Electrical Permit # & Project Address Below)**

Electrical Permit #

Project Address: _____

Is in compliance with the National Electrical Code® as it relates to available short-circuit currents and interrupting ratings. **See Sections 110.9, 110.10, 110.22, 240.2, 240.86, 110.24**

Note:

This form is to be completed and returned to the Building Inspection Department for approval at plan review before a permit will be issued.

****A COPY OF THIS FORM MUST BE ONSITE AT THE TIME OF SERVICE INSPECTION****

THE FOLLOWING INFORMATION IS TO BE SUPPLIED BY THE ELECTRICAL CONTRACTOR OR OTHER RESPONSIBLE PARTY:

TRANSFORMER KVA: _____ IMPEDANCE: _____ % SECONDARY VOLTAGE: _____

Available Fault Current _____

FULLY RATED SYSTEM

SERIES RATED SYSTEM

- Series rated systems require component protection data sheets (fuse / breaker or breaker / breaker) Series rated systems require field markings by the installer at the service equipment and each downstream panelboard.

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FROM TRANSFORMER TO AUXILIARY GUTTER / TAP CAN / METER

TYPE OF CONDUCTORS COPPER ALUMINUM SIZE OF CONDUCTORS: _____
LENGTH OF CONDUCTORS FROM TRANSFORMER TO AUXILIARY GUTTER: _____

TYPE OF CONDUIT NONMAGETIC STEEL
NUMBER OF CONDUCTORS PER PHASE: _____ Available Fault Current _____

FROM AUXILIARY GUTTER / TAP CAN / METER TO THE SERVICE DISCONNECT

TYPE OF CONDUCTORS COPPER ALUMINUM SIZE OF CONDUCTORS: _____
LENGTH OF CONDUCTORS FROM TRANSFORMER/ TAP CAN TO AUXILIARY GUTTER: _____ ft

TYPE OF CONDUIT METALLIC NON-METALLIC
NUMBER OF CONDUCTORS PER PHASE: _____ Available Fault Current _____

FROM THE SERVICE DISCONNECT TO THE PANEL

TYPE OF CONDUCTORS COPPER ALUMINUM SIZE OF CONDUCTORS: _____
LENGTH OF CONDUCTORS FROM THE DISCONNECT TO THE PANEL: _____ ft

TYPE OF CONDUIT METALLIC NON-METALLIC
NUMBER OF CONDUCTORS PER PHASE: _____ Available Fault Current _____

FROM PANEL #1 TO PANEL # 2

TYPE OF CONDUCTORS COPPER ALUMINUM SIZE OF CONDUCTORS: _____
LENGTH OF CONDUCTORS FROM THE 1ST PANEL TO THE 2ND PANEL: _____

TYPE OF CONDUIT METALLIC NON-METALLIC
NUMBER OF CONDUCTORS PER PHASE: _____ Available Fault Current _____

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FROM PANEL # TO PANEL #

TYPE OF CONDUCTORS COPPER ALUMINUM SIZE OF CONDUCTORS: _____

LENGTH OF CONDUCTORS FROM THE 1ST PANEL TO THE 2ND PANEL: _____ft

TYPE OF CONDUIT METALLIC NON-METALLIC

NUMBER OF CONDUCTORS PER PHASE: _____ Available Fault Current _____

Data Sheet For Fully Rated or Series Rated Systems

| Item | Location of Short Circuit Current | Short-Circuit Current | Overcurrent Device Ampere Rating | Overcurrent Device Interrupting Rating |
|------|---|-----------------------|----------------------------------|--|
| 1 | At Transformer Secondary Terminals (Infinite Primary) | | NA | NA |
| | At the Tap Can or Wireway | | NA | NA |
| 2 | On Line side of Main Service Equipment | | | |
| 3 | At Panel _____ | | | |
| 4 | At Panel _____ | | | |
| 5 | At Panel _____ | | | |
| 6 | At Panel _____ | | | |
| 7 | At Panel _____ | | | |

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SERVICE DISCONNECT TYPE _____ FUSE BREAKER

FUSE TYPE OR BREAKER TYPE _____

FUSE SIZE OR BREAKER SIZE _____

AIC RATING OF FUSE OR BREAKER _____

PANEL TYPE _____

PANELBOARD(S) MAIN BREAKER MLO

MAIN BREAKER SIZE _____

MAIN BREAKER AIC RATING _____

BRANCH BREAKER AIC RATING _____

The undersigned is responsible for all values given and must be the Master Electrician for the Electrical Contracting Company or the Electrical Engineer of record for the project.

Print Name: _____ Date: _____

Signature: _____ TDLR License # _____

Contact Phone Number _____

Contact Email _____

The information provided in this form is for meeting the NEC 110.24 Available Fault Current

Please Email a copy of this form to the Electrical Division:

Chief Electrical Inspector - Robert Chatham- rchatham@cityofirving.org

James Hathorn- jhathorn@cityofirving.org

Marino Enriquez- menriquez@cityofirving.org

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