



C21.02

Application Completes: Sections I, II, III (optional), IV, VI, and VII

I. IDENTIFICATION

1. Proposed Work Site at: 2520 Old Hopper Ave
2. Name of Owner in Fee: Pat Bottazzi Tel. (732) 477-1230
Address PO Box 4359 Brick NJ 08723
street municipality zip code
3. Ownership in Fee: Public Private ✓
4. Principal Contractor: Dickson Electric Tel. (732) 920-6441
Address 347 Drum Point Road Brick NJ 08723
- License No. OR, if new home, Builder Reg. No. 8392 Exp. Date
- Federal Employee No. 222707689 FAX: (732) 920-
5. Architect or Engineer Tel. ()
Address
6. Responsible Person in Charge of Work James Dickson
Tel. (732) 920-6441 FAX (732) 920-2944

600 Amp Service

V. FEE SUMMARY (for office use only)

- | | | | | |
|-----|-----------------------------------|----|------|------|
| 1. | Building | \$ | 100 | 160 |
| 2. | Electrical | | | |
| 3. | Plumbing | | | |
| 4. | Fire Protection | | | |
| 5. | Elevator Devices | | | |
| 6. | Subtotal | \$ | | |
| 7. | Less 20% for
State Plan Review | | | |
| 8. | Subtotal | \$ | 3 | 7 |
| 9. | DCA Training Fee | | | |
| 10. | Subtotal | | | |
| 11. | Cert. of Occupancy | | | |
| 12. | Other | | | |
| 13. | TOTAL | \$ | 103- | 167- |

VI. BUILDING/SITE CHARACTERISTICS

1. Number of Stories _____
2. Height of Structure _____ ft.
3. Area — Largest Floor _____ sq. ft.
- 4: New Building Area _____ sq. ft.
5. Volume of New Structure _____ cu. ft.
6. Construction Classification _____
7. Total Land Area Disturbed _____ sq. ft.
8. Flood Hazard Zone _____
9. Base Flood Elevation _____ ft.
10. Wetlands yes _____
 no _____
11. Max. Live Load _____
12. Max. Occupancy Load _____

(office use only)

II. PROPOSED WORK

1. ☐ Minor Work
2. ☐ New Building
3. ☐ Addition
4. ☐ Alteration
5. ☐ Fire Protection
6. ☐ Plumbing
7. ☒ Electrical
8. ☐ Elevator Devices
9. ☐ Asbestos Abat. Subch. 8
10. ☐ Lead Hazard Abatement
11. ☐ Demolition

TOTAL COSTS

Est. Cost

OPTIONAL (for office use only)[illegible]

III. DO YOU WANT: (optional)

1. ☐ Partial Releases
2. ☐ Prototype Processing

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

1. ☐ Elevators/Escalators/Lifts/
Dumbwaiters/Moving Walks
2. ☐ High Pressure Boilers
3. ☐ Pressure Vessels
4. ☐ Refrigeration Systems
5. ☐ Cross-Connections/Backflow Preventers
6. ☐ Hazardous Uses/Places of Assembly
7. ☐ Sprinklers
8. ☐ Smoke Control Systems in Open Wells
9. ☐ Underground Storage Tanks

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL

1. ☐ Hotels (R-1)
2. ☐ Multi-Family (R-2)
3. ☐ Two-Family (R-3) BOCA
4. ☐ Two-Family (R-4) CABO
5. ☐ One-Family (R-3) BOCA
6. ☐ One-Family (R-4) CABO

No. of dwelling units:

Before Construction

After Construction

Net Gain or Loss

B. NON-RESIDENTIAL

1. State Specific Use:
2. Use Group:
3. Change in Use Group, Indicate Former:



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 3/3/2008
Control Number _____
Permit Number 04-0842
Permit Issue Date 3/19/2004
Certificate Number 04-0842

Certificate

Construction Code Division

(Certificate of Approval)

Identification

Work Site Location: 2528 OLD HOOPER AVE SERVICE, NJ Block: 549 Lot: 5 Qual: _____
Owner in Fee: BOTTAZZI, PAT
Owner Address: PO BOX 4359 BRICK NJ -
Telephone: 732/477-1230
Contractor _____
Address _____
Telephone: _____ Fax: _____
License Number or Builders Registration Number: _____ Federal Emp. Number: _____

Home Warranty Number: _____

Type of Warranty Plan: ☐ State ☐ Private

Use Group: R-5 Construction Classification: _____

Maximum Live Load: 0 Maximum Occupancy Load: 0

Description of Work/Use: _____

Certificate Comments: _____

☐ Certificate of Occupancy

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☒ Certificate of Approval

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

☐ Certificate of Continued Occupancy

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ Temporary Certificate of Compliance

The following conditions must be met no later than or the owner will be subject to fine or order to vacate: This certificate has an expiration date of:

Conditions to be met:

☐ Certificate of Clearance - Lead Abatement 5:17

This serves notice that based on written certification, lead abatement was performed as per NJAC5:17 to the following extent.

- ☐ Total removal of lead-based paint hazards in scope of work
☐ Partial or limited time period (years); see file

☐ Certificate of Clearance - Asbestos Abatement

This serves notice that based on written certification, asbestos abatement was performed to the following extent.

- ☐ Total removal of asbestos hazards in scope of work
☐ Partial or limited time period (years); see file

☐ Certificate of Compliance

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until

☐ Temporary Certificate of Occupancy

The following conditions must be met no later than: or the owner will be subject to fine or order to vacate: This certificate has an expiration date of:

Conditions to be met:

Construction Official _____

Fee: \$0.00
Check Number: _____
Collected By: _____

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

Update Issued 03/26/2004
Control #
Permit # 04-08421A
Permit Issued 03/19/2004

UCC NEW JERSEY
PERMIT UPDATE

IDENTIFICATION Block 549 Lot 5 Qual

Work Site Location 2528 OLD HOOVER AVE
ADD'L ELECTRICAL WORK
Owner in Fee 80110221, PAI
Address PO BOX 4359
BRICK, NJ
Telephone (732)477-1230
Contractor DICKSON ELECTRIC
Address 347 BRUN POINT RD
BRICK, NJ 08723-6838
Telephone (732)920-6441
Lic. No. of Bldgs. Reg. No. 8392
Federal Emp. No. 22-2707689

Is hereby granted permission to perform the following work:
☐ BUILDING ☐ PLUMBING ☐ LEAD HAZARD ABATEMENT
☒ ELECTRICAL ☐ FIRE PROTECTION ☐ DEMOLITION
☐ ELEVATOR DEVICES ☐ ASBESTOS ABATEMENT ☐ OTHER
(Subchapter 8 only)

DESCRIPTION OF WORK:
4.
MAINBREAKERS IN 4 METER STACK

Estimated Cost of Work \$ 5,000

Construction Official

03/26/2004

U.C.C. F190 (rev. 3/96) NJ UCCARS 5.24E

Date

PAYMENTS (Office Use Only)
Building 0
Electrical 160
Plumbing 0
Fire Protection 0
Elevator Devices 0
Other
DCA State Permit Fee 7
Cert. of Occupancy 0
Other
Total 167
Check No. 15792
Cash
Collected By ERP

03/26/04 11:32AM 000000#7840
**07 SERV.007

#040842
ELECTRIC \$160.00
DCA \$7.00
CHECK \$167.00

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
ELECTRICAL
SUBCODE
TECHNICAL SECTION

Date Received 03/19/2004
Date Issued 01/01/1954
Control #
Permit # 04-0842+A
3/26/04

A. IDENTIFICATION-APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000

Block 549 Lot 5 Qual
Work Site Location 2528 OLD HOOPER AVE
ADD'L ELECTRICAL WORK
Owner in Fee 8011A271, PAT
Address PO BOX 4359
BRICK, NJ
Tele. (332) 477-1230
Contractor DICKSON ELECTRIC
Address 347 DRUM POINT RD
BRICK, NJ 08723-6838
Tele. (332) 920-6441
Lic. No. or Bldrs. Reg. No. 8392
Federal Emp. No. 22-2707689

D. TECHNICAL SITE DATA

NO.	SIZE	ITEM	FEE (Office Use Only)
0		Lighting fixtures	
0		Receptacles	
0		Switches	
0		Detectors	
0		Light Poles	
0		Motors-fract HP	
0		Emergency & Exit lights	
0		Communications Points	
0		Alarm Devices/F.A.C. Panel	
0		TOTAL NUMBERS	
0		Pool Permit/With UM Lights	
0		Storable Pool/Spa/Hot Tub	
0		KW Elect Range/Receptacle	
0		KW Oven/Surface Unit	
0		KW Elect Water Heater	
0		KW Elect Dryer/Receptacle	
0		KW Dishwasher	
0		HP Garbage Disposal	
0		KW Central A/C Unit	
0		HP/KW Space Heater/Air Handler	
0		Baseboard Heat	
0		HP Motors 1/4 HP	
0		KW Transformer/Generator	
0		AMP Service	
0		AMP Subpanels	
0		AMP Motor Control Center	
0		KW Elect Sign/Outline Light	
0		Other	
0		Other	

B. ELECTRICAL CHARACTERISTICS
Use Group - Present R-5 Proposed R-5
[] Pole/Pad # [] Temporary [] Other
Building Occupied as Utility Co.
Estimated Cost of Electrical Work \$ 5,000

JOB SUMMARY (Office Use Only)

PLAN REVIEW
☒ No Plans Required
Joint Plan Review Required:
[] Bldg [] Plumb
[] Fire [] Elevator
[] Elect Plans Approved
Date: 3/24/04
Approved By: [Signature]
SUBCODE APPROVAL
[] CO [] CCO [] CA
Date: 2/28/08
Approved By: [Signature]

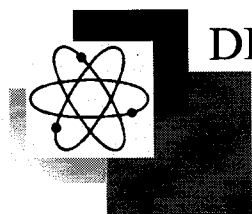
C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Applicant's Signature/Contractor's Seal and Signature
[] Licensed Electrical Contractor [] Exempt Applicant

Paid [] Check #
Collected by:

Administrative Surcharge \$
Minimum Fee \$
TOTAL FEE \$
DCA State Permit Fee \$



DICKSON ELECTRIC, INC. - LIC. # 8392

347 Drum Pt. Rd.

Brick, NJ 08723

Phone: 732.920.6441

Fax: 732.920.2944

Email: dicksonelectric@comcast.net

March 10, 2004

Brick Township Building Department
401 Chambers Bridge Road
Brick, NJ 08723
Attn: Marcel Renson & Tom Olsen

Re: Red Lion Plaza Metering Equipment Change

Tom,

Per your request we are furnishing the available fault current calculations for the above listed project. If you have any questions feel free to contact our offices.

Thank you,

Jim Dickson

Calculations on project are based on following information:

Pole Mount Transformer AIC Rating = 32,000Amps

120v/208v, 3 Phase, 4 Wire, 60Hz

Load: 400A, 120v/208v, 3 Phase, Divided into 4 150A Tenant Branch Circuits

Service Entrance Cable: (4) 350kcmil, copper wire conductor, one cable per phase, 100ft free air (overhead service) from pole to service head & (4) 500kcmil, copper wire conductor, one cable per phase, 20 feet in PVC conduit from service head to metering lugs. Total Length of Service Entrance: 120ft

The fault current as calculated on attached page(s), at the service entrance will be **13,372 Amps**.

Therefore, 22,000 Amps (or greater) fault current main breakers must be installed at this location.

Variable 'C' for 350kcmls copper conductor in non-magnetic conduit = 22,736
Variable 'C' for 500kcmls copper conductor in non-magnetic conduit = 26,706

$$F = \frac{\sqrt{3} * L * I}{N * C * E_{L-L}} = \frac{\sqrt{3} * 100 * 32400}{1 * 22736 * 208} + \frac{\sqrt{3} * 20 * 32400}{1 * 22706 * 208} = 1.4228$$

$$M = \frac{1}{1+F} = \frac{1}{2.4228} = 0.4127$$

Fault Current at Service Entrance
= $M * AFC$

$$= 0.4127 * 32400 = \mathbf{13372 \text{ Amps}}$$



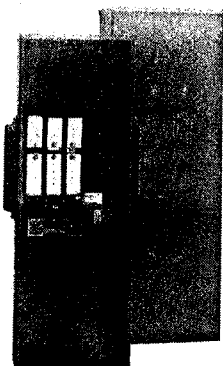
P.O. Box 1228 • Hightstown, NJ 08520
24 Public Road • Monroe Township NJ 08512
(609) 860-8500 • (609) 426-9700 • (732) 972-7717 • FAX (609) 860-1067

METERING REPLACEMENT SUBMITTALS
FOR:

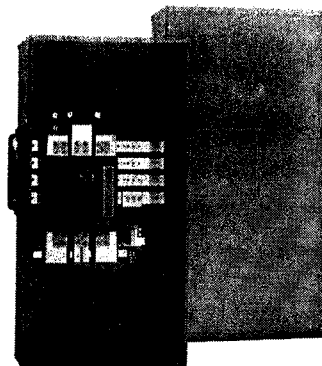
RED LION PLAZA, BRICK, N.J.

PREPARED FOR:

DICKSON ELECTRIC



EZM3600FS



EZM31600CB

3Ø4W EZ METER-PAK Meter Centers — UL Listed

Select EZM Meter Center Short Circuit Current Rating RMS Symmetrical Amperes from table on page 2-13. Using this table as a reference, make the following selections:

- ① Select Three Phase EZM Main Device below with an equal or higher short circuit rating than the application.
- ② Select EZM Three Phase Branch units from page 2-11.
- ③ Select 2-Pole, Type QO, Q2M or QE-VH, or 3-Pole, Type QE-VH Branch Circuit Breakers through 200 Amperes, page 2-12.
- ④ Select Accessories as required, page 2-12.
- ⑤ Dimensions, page 2-14.

① Main Devices — NEMA Type 3R Construction

System Type	Ampere Rating	Overhead/Underground Feed				Underground Feed Only			
		Catalog Number	Width	Price	Line Side Lug and Wire Sizes For Aluminum or Copper Conductors Qty. per Phase and Neutral (Factory Installed)	Catalog Number Meets EUSERC Standards	Width	Price	Factory Installed Lug Landings For Use with Crimp-Type Lugs (2-Hole Mounting) Qty. per Phase and Neutral▲

65,000 RMS Symmetrical Ampere Short Circuit Current Rating

3Ø IN Main Circuit Breakers

3Ø4W 208 Y/120 Vac or 240/120 Vac Delta	400	EZM3400CB	18.66	\$ 4203.	(1) 1-600 kcmil or (2) 1-250 kcmil	EZM3400CBU	20.46	\$ 4557.	1 (Order Lugs Separately)
	600	EZM3600CB	18.66	6506.	(3) 3/0-500 kcmil	EZM3600CBU	26.19	6861.	2 (Order Lugs Separately)
	800	EZM3800CB	18.66	8557.	(3) 3/0-500 kcmil	EZM3800CBU	26.19	8962.	2 (Order Lugs Separately)
	1000	EZM31000CB	18.66	10810.	(3) 3/0-500 kcmil	EZM31000CBU	34.19	11392.	3 (Order Lugs Separately)
	1200	EZM31200CB	30.19	14684.	(4) 1/0-750 kcmil	EZM31200CBU	34.19	15443.	3 (Order Lugs Separately)
	1600	EZM31600CB	30.19	22405.	(6) 1/0-750 kcmil	...	...	...	...

100,000 RMS Symmetrical Ampere Short Circuit Current Rating

3Ø IN Main Circuit Breakers

3Ø4W 208 Y/120 Vac or 240/120 Vac Delta	1000	...	...	...	...	EZM31000CBU	34.00	11392.	...
	1200	...	...	...	...	EZM31200CBU	34.00	15443.	...

3Ø IN Main Fusible Switches — Requires 300 Vac Class T Fuses (Order Separately)

3Ø4W 208 Y/120 Vac or 240/120 Vac Delta	400	EZM3400FS	18.66	2835.	(1) 1-600 kcmil or (2) 1-250 kcmil	EZM3400FSU	20.46	4430.	1 (Order Lugs Separately)
	600	EZM3600FS	18.66	5316.	(3) 3/0-500 kcmil	EZM3600FSU	26.19	7215.	2 (Order Lugs Separately)
	800	EZM3800FS	18.66	7342.	(3) 3/0-500 kcmil	EZM3800FSU	26.19	9620.	2 (Order Lugs Separately)

3Ø IN Main Lugs Terminal Boxes

3Ø4W 208 Y/120 Vac or 240/120 Vac Delta	400	EZM3400TB◇	18.66	481.	(2) 3/0-500 kcmil	...	...	...	...
	800	EZM3800TB◇	18.66	886.	(4) 3/0-500 kcmil	...	...	...	...
	1600	EZM31600TB◇	30.19	2557.	(6) 2/0-600 kcmil	...	...	...	...

▲ For mechanical lugs (3/0 to 600 kcmil) order kit catalog number CMEK4, Price \$87.00 (DE4A). Kit includes 4 lugs only. Multiple kits may be required, consult factory. For crimp-type lugs refer to Anderson Electrical Connector Products Catalog AEC-40.

■ Has a 100,000 RMS Symmetrical Ampere Short Circuit Current Rating.

◇ Has a 100,000 RMS Symmetrical Short Circuit Current Rating when protected by Class R (600 A Max.) or Class T (800 A Max.) fuses. For other short circuit current ratings refer to table on page 2-13.

For additional information, reference Catalog Number 4100CT9801.



3Ø4W EZ Meter-Pak Meter Centers — UL Listed

② Branch Devices — NEMA Type 3R Construction
125 A Maximum Branch Devices — Main Cross Bus Rated 800 Amperes.*

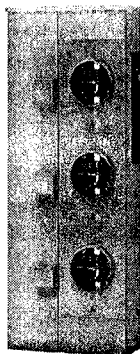
System Type	Number of Meter Sockets	Ring Type†† (Order QO Circuit Breakers Separately)			Ringless Type (Order QO Circuit Breakers Separately)			Ringless Type with Horn Bypass (Order QO Circuit Breakers Separately)		
		Catalog Number	Width	Price	Catalog Number	Width	Price	Catalog Number	Width	Price
3Ø IN – 1Ø3W OUT										
3Ø4W	3	EZM313125	12.25	\$ 987.	EZMR313125	12.25	\$ 987.	EZMH313125	12.25	\$1190.
208 Y/120 Vac	4	EZM314125	12.25	1291.	EZMR314125	12.25	1294.	EZMH314125	12.25	1570.
5-Jaw Meter Socket	5	EZM315125	12.25	1646.	EZMR315125	12.25	1646.	EZMH315125	12.25	1975.
2-Pole Branch	6	EZM316125	12.25	1899.	EZMR316125	12.25	1899.	EZMH316125	12.25	2405.

200 A Maximum Branch Devices — Main Cross Bus Rated 800 Amperes.*

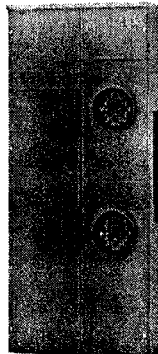
System Type	Number of Meter Sockets	Ring Type†† (Order Q2M Circuit Breakers Separately)			Ringless Type (Order Q2M Circuit Breakers Separately)			Ringless Type with Horn Bypass (Order Q2M Circuit Breakers Separately)		
		Catalog Number	Width	Price	Catalog Number	Width	Price	Catalog Number	Width	Price
3Ø IN – 1Ø3W OUT										
3Ø4W	2	EZM312200	17.38	\$1443.	EZMR312200	17.38	\$1443.	EZMH312200	17.38	\$1570.
208 Y/120 Vac	3	EZM313200	17.38	1772.	EZMR313200	17.38	1772.	EZMH313200	17.38	1975.
5-Jaw Meter Socket	4	EZM314200	17.38	2380.	EZMR314200	17.38	2380.	EZMH314200	17.38	2633.
2-Pole Branch										



EZM314125



EZMR333200



EZML312400

200 A Maximum Commercial Branch Devices — Main Cross Bus Rated 1200 Amperes.

System Type	Number of Meter Sockets	Ringless Type Meter Socket with Lever Bypass and Jaw Release (Order QE-VH Circuit Breakers Separately)		
		Catalog Number	Width	Price
3Ø IN – 1Ø3W OUT				
3Ø4W	2	EZML312200	19.44	\$2709.
208 Y/120 Vac	3	EZML313200	19.44	4076.
5-Jaw Meter Socket	4	EZML314200	19.44	5544.
2-Pole Branch				

3Ø IN – 3Ø OUT

System Type	Number of Meter Sockets	Ringless Type without Bypass (Order QE-VH Circuit Breakers Separately)			Ringless Type with Lever Bypass and Jaw Release (Order QE-VH Circuit Breakers Separately)		
		Catalog Number	Width	Price	Catalog Number	Width	Price
3Ø4W 240/120 Vac Delta or 208 Y/120 Vac	1	...	...	...	EZML331200	19.44	\$1772.
7-Jaw Meter Socket	2	EZMR332200	19.44	\$2975.	EZML332200	19.44	3241.
3-Pole Branch	3	EZMR333200	19.44	4658.	EZML333200	19.44	4949.
	4	EZMR334200	19.44	6456.	EZML334200	19.44	6772.

400 A Maximum Commercial Branch Device — Main Cross Bus Rated 1200 Amperes.

System Type	Number of Meter Sockets	Ringless Type with Lever Bypass and Jaw Release – 400 A LAL Branch Circuit Breaker Included Factory Installed		
		Catalog Number	Width	Price
3Ø IN – 1Ø3W OUT				
3Ø4W 240/120 Vac Delta or 208 Y/120 Vac 5-Jaw Meter Socket 2-Pole Branch	1	EZML311400	23.21	\$3797.
	2	EZML312400	23.21	7595.

3Ø IN – 3Ø OUT

System Type	Number of Meter Sockets	Ringless Type with Lever Bypass and Jaw Release — 400 A LAL Branch Circuit Breaker Included Factory Installed		
		Catalog Number	Width	Price
3Ø4W 240/120 Vac Delta or 208 Y/120 Vac	1	EZML331400▲	23.21	\$4430.
7-Jaw Meter Socket	2	EZML332400▲	23.21	8861.
3-Pole Branch				

†† Snap-On Aluminum Sealing Rings supplied as standard.

▲ Device has limited short circuit current rating, refer to page 2-13.

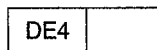
◇ Supplied with Class 320 meter socket.

◆ For 1200 A main cross bus, add suffix "X" to catalog number. Example: EZMR313125X. Add \$140. per device.

For additional information, reference Catalog Number 4100CT9801.



3/00



Discount
Schedule

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2-11

Selection Information

- Review Local Utility requirements to ensure that metering equipment meets their standards.
- Check Local Utility to determine available fault current at the meter center.
- Using the SCCR table:
 - Select Meter Center configuration, Main Lugs only (6-Subdivision Rule), or Remote Main, Main Breaker, or Main Fusible Switch.
 - Read down to select SCCR equal to, or greater than desired rating.
 - Read across to select EZM Main Device type.
 - Continue Reading across to select Branch Unit Tenant Circuit Breaker type
- With information obtained from Step 3, turn to appropriate selection/pricing pages to determine catalog numbers for Main Device, Branch Units, and Tenant Circuit Breakers to complete meter center.
- Refer to "Square D Certified Ratings" table to determine suitable downstream Load Centers or Panelboards.

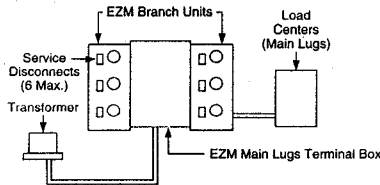


Figure 1

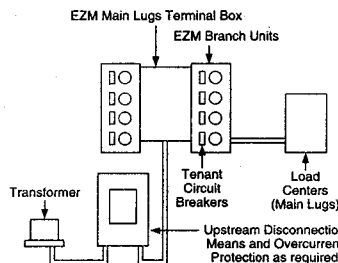


Figure 2

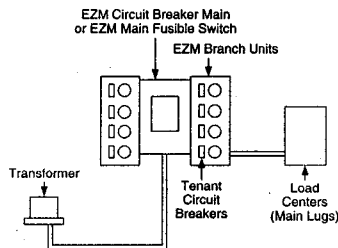


Figure 3

Square D Certified Ratings

For Load Centers or Panelboards installed downstream from any UL Listed EZM Meter Center applied on a system capable of delivering greater than 10,000 RMS Symmetrical Amperes. Requires a minimum of 20 feet of cable between Meter Center and downstream Load Center or Panelboard. All ratings verified by actual Square D tests.

	Meter Center 125 A and 200 A Branch Units	QO Load Centers or NQOD Panelboards with Branch Circuit Breakers rated 10,000 AIR	HOM Load Centers with Branch Circuit Breakers rated 10,000 AIR
Downstream Single Phase Load Center or Panelboard	QO, QOB - 1-Pole (15 A-70 A) QOT-1-Pole (15 A-70 A) QO-GFI, QOB-GFI-1-Pole (15 A-30 A) QO-AFI, QOB-AFI-1-Pole (15 A-20 A) QO, QOB-2-Pole (15 A-125 A)	QO, QOB - 1-Pole (15 A-70 A) QOT-1-Pole (15 A-70 A) QO-GFI, QOB-GFI-1-Pole (15 A-30 A) QO-AFI, QOB-AFI-1-Pole (15 A-20 A) QO, QOB-2-Pole (15 A-125 A)	HOM-1-Pole (15 A-50 A) HOMT-1-Pole (15 A-20 A) HOM-AFI-1-Pole (15 A-20 A) HOM-GFI-1-Pole (15 A-20 A) HOM-2-Pole (15 A-70 A) HOMT-2-Pole (15 A-30 A)
Downstream Three Phase Load Center or Panelboard	QO, QOB - 1-Pole (15 A-70 A) 2-Pole (15 A-125 A) 3-Pole (15 A-100 A) QO-AFI, QOB-AFI-1-Pole (15 A-20 A) QO-GFI, QOB-GFI-1-Pole (15 A-30 A)	QO, QOB - 1-Pole (15 A-70 A) 2-Pole (15 A-125 A) 3-Pole (15 A-100 A) QO-AFI, QOB-AFI-1-Pole (15 A-20 A) QO-GFI, QOB-GFI-1-Pole (15 A-30 A)	...

UL Listed Meter Center Short Circuit Current Ratings

Short Circuit Current Rating RMS Symmetrical Amperes	EZM Meter Center Overcurrent Protection Devices	
	Main Device	Tenant Circuit Breakers
EZ METER-PAK (6-Subdivision Rule Applications) – See Figure 1		
10,000	400-1600 A Main Lugs Terminal Box (Tenant Circuit Breakers used as Service Disconnects - 6 maximum)	QO (125 A Max., 2-Pole) Q2M (200 A Max., 2-Pole) QE-VH (200 A Max., 2 or 3-Pole)
18,000		LAL (400 A Max., 2 or 3-Pole)
22,000		QO-VH (125 A Max., 2-Pole) Q2M-VH (200 A Max., 2-Pole) QE-VH (200 A Max., 2 or 3-Pole)
42,000		QOH (125 A Max., 2-Pole) Q2MH (200 A Max., 2-Pole)
EZ METER-PAK – Main Lugs Terminal Box Applications Protected By Remote Main – See Figure 2		
10,000	400-1600 A Main Lugs Terminal Box Must be protected by an Upstream Disconnecting Means rated 10,000 AIR minimum	QO (125 A Max., 2-Pole) Q2M (200 A Max., 2-Pole) QE-VH (200 A Max., 2 or 3-Pole)
18,000		LAL (400 A Max., 2 or 3-Pole)
22,000	400-1600 A Main Lugs Terminal Box Must be protected by a Square D circuit breaker rated 22,000 AIR minimum	QO-VH (125 A Max., 2-Pole) Q2M-VH (200 A Max., 2-Pole) QE-VH (200 A Max., 2 or 3-Pole)
42,000	400-1600 A Main Lugs Terminal Box Must be protected by a Square D circuit breaker rated 42,000 AIR minimum	QO-VH (125 A Max., 2-Pole) Q2M-VH (200 A Max., 2-Pole) QE-VH (200 A Max., 2 or 3-Pole)
65,000	400-1600 A Main Lugs Terminal Box Must be protected by a Square D circuit breaker rated 65,000 AIR minimum	QO-VH (125 A Max., 2-Pole) Q2M-VH (200 A Max., 2-Pole) QE-VH (200 A Max., 2 or 3-Pole)
100,000	400-800 A Main Lugs Terminal Box Must be protected by an Upstream Disconnection Means with Class R (600 A maximum), or 300 V, Class T (800 A maximum) fuses.	QO-VH (125 A Max., 2-Pole) Q2M-VH (200 A Max., 2-Pole) QE-VH (200 A Max., 2 or 3-Pole)
EZ METER-PAK – Main Circuit Breaker Applications – See Figure 3		
10,000	400 A Main Device LH Type circuit breaker. 600–1000 A Main Devices MH Type circuit breaker. 1200–1600 A Main Devices PA Type circuit breaker.	QO (125 A Max., 2-Pole) Q2M (200 A Max., 2-Pole) QE-VH (200 A Max., 2 or 3-Pole)
18,000		LAL (400 A Max., 2 or 3-Pole)
22,000		QO-VH (125 A Max., 2-Pole) Q2M-VH (200 A Max., 2-Pole) QE-VH (200 A Max., 2 or 3-Pole)
42,000		QO-VH (125 A Max., 2-Pole) Q2M-VH (200 A Max., 2-Pole) QE-VH (200 A Max., 2 or 3-Pole)
65,000		QO-VH (125 A Max., 2-Pole) Q2M-VH (200 A Max., 2-Pole) QE-VH (200 A Max., 2 or 3-Pole)
100,000	1000-1200 A Main Devices (suffix CBU) MHF Type circuit breaker.	QO-VH (125 A Max., 2-Pole) Q2M-VH (200 A Max., 2-Pole) QE-VH (200 A Max., 2 or 3-Pole)
EZ METER-PAK – Main Fusible Switch Applications – See Figure 3		
10,000	400-1200 A Main Fusible Switch with 300 V Class T fuses installed.	QO (125 A Max., 2-Pole) Q2M (200 A Max., 2-Pole) QE-VH (200 A Max., 2 or 3-Pole)
18,000		LAL (400 A Max., 2 or 3-Pole)
22,000		QO-VH (125 A Max., 2-Pole) Q2M-VH (200 A Max., 2-Pole) QE-VH (200 A Max., 2 or 3-Pole)
42,000	400-800 A Main Fusible Switch with 300 V Class T fuses installed.	Q2M-VH (200 A Max., 2-Pole)
65,000	400-1200 A Main Fusible Switch with 300 V Class T fuses installed.	QO-VH (125 A Max., 2-Pole) Q2M-VH (150 & 200 A only, 2-Pole) QE-VH (200 A Max., 2 or 3-Pole)
	400-800 A Main Fusible Switch with 300 V Class T fuses installed.	QO-VH (125 A Max., 2-Pole) Q2M-VH (200 A Max., 2-Pole)
100,000	400-1200 A Main Fusible Switch with 300 V Class T fuses installed.	Q2M-VH (150 & 200 A only) QE-VH (200 A Max., 2 or 3-Pole)
	400-800 A Main Fusible Switch with 300 V Class T fuses installed.	QO-VH (125 A Max., 2-Pole) Q2M-VH (200 A Max., 2-Pole) QE-VH (200 A Max., 2 or 3-Pole)



March 5, 2004

Dickson Electric, Inc.
Attn: Chris
347 Drum Point Road
Brick, NJ 08723

Re: Patrick Bottazzi -- Hooper Avenue, Brick/DRN #310718401

Dear Chris:

The electric service characteristics for the above referenced job are 120/208v. The available secondary fault current will be 32,400 fault amps based on our existing overhead bank of 3-75kva transformers, totaling 225kva on pole BT6148BK.

If you have any further questions, I can be reached weekdays 8am-4:30pm at (732) 695-5515.

Sincerely,



Carol A. Migliore
Sr. Layout Technician

CM/jec