DEFINITION: Non Standard Drawings in this Section are to be used to maintain existing services as long as equipment is available. Refer to Section 5 for new services.

Single Phase 2 or 3-Wire Service

STD 6.1  2-Wire 120 V Self-Contained A-Base Meter
STD 6.2  2-Wire 120 V Self-Contained S-Base Meter
STD 6.3  2-Wire 240V Transformer Rated A-Base Meter with 1-3-w C.T.
STD 6.4  2-Wire 240V Transformer Rated A-Base Meter with 1 Donut C.T.
STD 6.5  2 Wire 120 V Transformer Rated S-Base Meter with 1 2-wire C.T. & 1 P.T.
STD 6.6  2-Wire 240 V Transformer Rated S-Base Meter with 1 Donut C.T.
STD 6.7  2-Wire 240 V Transformer Rated A-Base Meter with 2 Donut C.T. (secondaries paralleled)
STD 6.8  2-Wire 120 V Transformer Rated A-Base Meter with 1 2-wire C.T. & 1 P.T.
STD 6.9  3-Wire 240 V Self-Contained A-Base Meter
STD 6.10 3-Wire 240 V Transformer Rated A-Base Meter with 2 2-Wire C.T.’s
STD 6.11 3-Wire 240 V Transformer Rated A-Base Meter with 2 Donut C.T.’s
STD 6.12 3-Wire 240 V Transformer Rated S-Base Meter with 2 Donut C.T.’s

Three Phase 3-Wire Delta Service

STD 6.16 2 Element 240 V or 600 V, Self-Contained P-Base Meter
STD 6.17 2 Element 240 V, Transformer Rated P-Base Meter with 2 2-W C.T.
STD 6.18 2 Element 120 V, Transformer Rated P-Base Meter with 2-2W C.T. & 2 P.T.’s
STD 6.19 2 Element 120 V, Transformer Rated, Panel Mount Quantum 2 2-W C.T.’s & 2 P.T.’s
STD 6.20 2 Element 240 V or 600 V, Self-Contained S-Base Meter
STD 6.21 2 Element 240 V, Transformer Rated S-Base Meter with 2-2W C.T.
STD 6.22 2 Element 120 V, Transformer Rated S-Base Meter with 2 2-W & 2 P.T.’s
STD 6.24 2 Element 120 V, Transformer Rated Panel Mount DS-63 Meter with 2 2-W C.T.’s & 2 P.T.’s
STD 6.25 2 Element 120 V, Transformer Rated Panel Mount D4B - 2F Meter with 2 2-W C.T.’s & 2 P.T.’s
STD 6.53 2 Element, 120v, Transformer-Rated, Panel Mount Ion 8X00 Meter with 2 2-Wire C.T.’s And 2 P.T.’s

3 Phase 4-Wire WYE Services

STD 6.26 2½ Element 120 V or 345 V, Self-contained ED-30 Meter
STD 6.27 2½ Element 120 V or 345 V, Self-contained P Base Meter
STD 6.28 2½ Element 120 V, Transformer Rated P Base Meter with 3 2-W C.T.’s
STD 6.29 2½ Element 120 V, Transformer Rated P Base Meter with 3 2-W C.T.’s & 2 P.T.’s
STD 6.31 2½ Element 120 V, Transformer Rated Panel Mount Quantum Meter with 3 2-W C.T.’s & 2 P.T.’s

3 Phase 4-Wire WYE Services with Delta Bridle for C.T.’s on the Testblock

STD 6.32 2 Element 120 V, Transformer Rated, P-Base Meter with 3 2-W C.T.
STD 6.33 2 Element 120V, Transformer Rated, S-Base Meter with 3 2-W C.T.
STD 6.34 2 Element 120 V, Transformer Rated, P-Base Meter with 3 2-W C.T.’s & 2 P.T.’s
STD 6.35 2 Element 120V, Transformer Rated, S-Base Meter with 3 2-W C.T.’s & 2 P.T.’s

Developed by: Erika Smeltzer
Methodology approved by: Dave Stanford
Network 3-Wire Service

STD 6.36  2 Element 120V Self Contained A-Base Meter

3 Phase 4-Wire Delta Services

STD 6.37  2½ Element 240 V, Self-Contained, S-Base Meter
STD 6.38  2½ Element 240 V, Self-Contained P-Base Meter
STD 6.40  2½ Element 240 V, Transformer Rated P-Base Meter with 3 2-W C.T.’s
*STD 6.41 2 Element 240 V Transformer Rated, S-Base Meter with 1 2-W C.T.’s & 1 3-W C.T.’s
*STD 6.42 2 Element 240 V Transformer Rated, P-Base Meter with 1 2-W C.T.’s & 1 3-W C.T.’s
STD 6.44  2½ Element 240 V, Transformer Rated S-Base Meter with 3 2-W C.T.’s

* Indicates that in some cases, Donut CT was used instead of 3 wire C.T.

Three Phase 4-Wire Service

STD 6.45  2½ Element, 120 V or 345 V, Self-Contained, S-Base Meter
STD 6.46  2½ Element, 120 V, Transformer Rated, S-Base Meter with 3 C.T.’s
STD 6.47  2½ Element, 120 V, Transformer Rated, S-Base Meter with 3 C.T.’s & 2 P.T.’s
STD 6.54  2½ Element 120 V, Transformer-Rated, Panel Mount Ion 8X00 Meter with 3 2-Wire C.T.’s & 2 P.T.’s

Primary Metering

STD 6.48  Three Phase, 2.5 Element Generic
STD 6.49  Three Phase, 2 Element Generic

Parallel Metering

STD 6.50  3 Element
STD 6.51  2.5 Element
STD 6.52  2 Element
CIRCUIT: 1Φ, 2-WIRE, 120V
BILLING MULTIPLIER IS METER MULTIPLIER

Nova Scotia Power Inc.

2-WIRE, 120 VOLT,
SELF-CONTAINED A-BASE METER

APPROVED

DATE 1996-01-01

STD 6.1
CIRCUIT: 1Φ, 2-WIRE, 120V
BILLING MULTIPLIER IS METER MULTIPLIER
CIRCUIT: 1Φ, 3-WIRE, 120/240V, ABOVE 200 AMPS
BILLING MULTIPLIER IS METER MULTIPLIER X CT RATIO
CIRCUIT: 1Φ, 3-WIRE, 120/240V, ABOVE 200 AMPS
TRANSFORMER: 1 CT (DONUT TYPE)
BILLING MULTIPLIER IS 1/2 METER MULTIPLIER * CT RATIO
CIRCUIT: 1Φ, 2 WIRE, ABOVE 240 VOLT.
BILLING MULTIPLIER IS METER MULTIPLIER X P.T. RATIO X C.T. RATIO
CIRCUIT: 1, 3-WIRE, 120/240V, ABOVE 200 AMPS
TRANSFORMER: 1 CT (DONUT TYPE)
BILLING MULTIPLIER IS 1/2 METER MULTIPLIER * CT RATIO

Nova Scotia Power Inc.
METERING STANDARD
2-WIRE, 240 VOLT, TRANSFORMER RATED
S-BASE METER WITH 1 DONUT C.T.
APPROVED
DAVID STANFORD

REV 01 2003-11-03
DATE 1996-01-01
STD 6.6
CIRCUIT: 1 PHASE, 3 WIRE, 120/240 V
BILLING MULTIPLIER IS METER MULTIPLIER X 1/2 C.T. CONNECTED RATIO

Nova Scotia Power Inc.  
2-WIRE, 240 VOLT, TRANSFORMER RATED A-BASE WITH 2 DONUT C.T.'S  
(C.T.'S HAVE SECONDARIES PARALLELED)

APPROVED  DAVID STANFORD

REV 01  2009-05-22

DATE  1985-03-01

STD  6.7
CIRCUIT: 1# 2-WIRE, ABOVE 240V
TRANSFORMER: 1 2-WIRE CT, 1 LINE TO NEUTRAL PT
BILLING MULTIPLIER IS METER MULTIPLIER X CT RATIO X PT RATIO

Nova Scotia Power Inc.
2-WIRE, 120 VOLT, TRANSFORMER RATED
A-BASE METER WITH 1-2 WIRE C.T.
AND 1 P.T.

APPROVED: DAVID STANFORD
DATE: 1996-01-01
STD 6.8
CIRCUIT: 1φ, 3-WIRE, 120/240V, 200 AMPS
BILLING MULTIPLIER IS METER MULTIPLIER
CIRCUIT: 1Φ, 3-WIRE, 120/240V, ABOVE 200 AMPS
TRANSFORMER: 2 2-WIRE CT's (BAR-TYPE)
BILLING MULTIPLIER IS METER MULTIPLIER X CT RATIO

CAUTION
CT CIRCUITS NOT TO BE GROUNDED

3-WIRE, 240 VOLT, TRANSFORMER RATED
A-BASE METER WITH 2 2-WIRE C.T.'S

APPROVED
DAVID STANFORD
DATE 1996-01-01  STD 6.10
CIRCUIT: 1φ, 3-WIRE, 120/240V, ABOVE 200 AMPS
TRANSFORMER: 2 CT's (DONUT TYPE)
BILLING MULTIPLIER IS METER MULTIPLIER X CT
CONNECTED RATIO

CAUTION
CT CIRCUITS
NOT TO BE GROUNDED

Nova Scotia Power Inc.

3-WIRE, 240 VOLT, TRANSFORMER RATED
A-BASE METER WITH 2 DONUT C.T.'s

APPROVED: DAVID STANFORD
DATE: 1996-01-01

STD 6.11
CIRCUIT: 1Ø, 3-WIRE, 120/240V, ABOVE 200 AMPS
TRANSFORMER: 2 CT’s (DONUT TYPE)
BILLING MULTIPLIER IS METER MULTIPLIER X CT
CONNECTED RATIO

CAUTION
CT CIRCUITS
NOT TO BE GROUNDED
CIRCUIT: 3φ, 3-WIRE Δ, 240V OR 600V, 100A MAX
BILLING MULTIPLIER IS METER MULTIPLIER
CIRCUIT: 3φ, 3-WIRE Δ, 240V ABOVE 200A
TRANSFORMER: 2 2-WIRE CT's
BILLING MULTIPLIER IS METER
MULTIPLIER X CT RATIO

Nova Scotia Power Inc.
METERING STANDARD

2 ELEMENT, 240V, TRANSFORMER-RATED,
P-BASE METER WITH 2 2-WIRE C.T.'S

APPROVED
DAVID STANFORD
DATE 1996-01-01 STD 6.17
CIRCUIT: 3φ, 3-WIRE Δ, ABOVE 240V AND 200A
TRANSFORMER: 2 2-WIRE CT’s & 2 PT’s

BILLING MULTIPLIER IS METER
MULTIPLIER X CT RATIO
X PT RATIO

Nova Scotia Power Inc.  
METERING STANDARD

2 ELEMENT, 120V,
TRANSFORMER-RATED P-BASE METER
WITH 2 2-WIRE C.T.’s & 2 P.T.’s

APPROVED  
DAVID STANFORD

DATE  
1996-01-01  STD 6.18
NON-STANDARD METER DRAWINGS

CIRCUIT: 3φ, 3-WIRE Δ, ABOVE 240V, AND 200A
TRANSFORMER: 2 2-WIRE CT's & 2 PT's

BILLING MULTIPLIER IS
METER MULTIPLIER
X CT RATIO X PT RATIO

DATE: 1996-01-01

STD 6.19
CIRCUIT: 3φ, 3-WIRE Δ, 240V, 200A MAX, 600V, 200A MAX
NOTE: ENSURE 5th JAW IS IN 9 O’CLOCK POSITION
BILLING MULTIPLIER IS METER MULTIPLIER
CIRCUIT: 3φ, 3-WIRE Δ, 240V ABOVE 200A
TRANSFORMER: 2 2-WIRE CT's

BILLING MULTIPLIER IS METER MULTIPLIER X CT RATIO

NOVA SCOTIA POWER INC.

2-ELEMENT 240V, TRANSFORMER RATED S-BASE METER WITH 2-2W CT

APPROVED
DAVID STANFORD

DATE 1996-01-01 STD 6.21
CIRCUIT: 3Φ, 3-WIRE Δ, ABOVE 240V AND 200A
TRANSFORMER: 2 2-WIRE CT’s, 2 PT’s

BILLING MULTIPLIER IS METER
MULTIPLIER X CT RATIO
X PT RATIO

NON-STANDARD METER DRAWINGS

Date: December 22, 2003

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Reference: MS 6.0
Rev.: 1

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NON-STANDARD METER DRAWINGS

REAR VIEW

METER VECTORS

Circuit: 3φ, 3-WIRE Δ, ABOVE 240V, 200A
Transformer: 2 2-WIRE CT's & 2 PT's
Billing Multiplier is meter
Multiplier x CT ratio
X PT ratio

Nova Scotia Power Inc. METERING STANDARD
2 ELEMENT, 120V, TRANSFORMER-RATED,
Panel Mount DS-63 Meter
With 2 2-WIRE C.T.'s & 2 P.T.'s
Approved: DAVID STANFORD
Date: 1996-01-01 STD 6.24

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CIRCUIT: 3Φ, 3-WIRE Δ, ABOVE 240V
TRANSFORMER: 2 2-WIRE CT’s & 2 PT’s
BILLING MULTIPLIER IS METER
MULTIPLIER X CT RATIO
X PT RATIO

Nova Scotia Power Inc.
METERING STANDARD
2 ELEMENT, 120V, TRANSFORMER-RATED,
/PANEL MOUNT D4B-2F METER
WITH 2 2-WIRE C.T.’s & 2 P.T.’s

APPROVED
DAVID STANFORD
DATE 1996-01-01 STD 6.25
CIRCUIT: 3 φ, 4 WIRE Y, 120/208V OR 347/600V, 100A MAX
BILLING MULTIPLIER IS METER MULTIPLIER

2½ ELEMENT, 120 VOLT OR 345 VOLT, SELF-CONTAINED ED-30 METER

APPROVED: DAVID STANFORD
DATE 1996-01-01 STD 6.26
CIRCUIT: 3Φ, 4 WIRE Y, 120/208V OR 347/600V, 100A MAX

BILLING MULTIPLIER IS METER MULTIPLIER

Nova Scotia Power Inc.
CIRCUIT: 3φ, 4 wire Y, 120/208V, ABOVE 200A
TRANSFORMER: 3 2-wire CT'S

BILLING MULTIPLIER IS METER MULTIPLIER X CT RATIO

NOTE: DELTA STRAPS ON TEST SWITCH MUST BE REMOVED IF OLD TYPE TEST SWITCH IS USED.

2½ ELEMENT, 120V TRANSFORMER RATED P-BASE METER WITH 3-2 WIRE CT'S

APPROVED
DAVID STANFORD
DATE 1996-01-01

STD 6.28
NON-STANDARD METER DRAWINGS

CIRCUIT: 3Φ, 4 WIRE Y, 120/208V AND ABOVE 200A
TRANSFORMER: 3 2-WIRE CT’S,
BILLING MULTIPLIER IS METER MULTIPLIER X CT X PT RATIO

NOTE:
FOR EXISTING METERING ONLY
NOT FOR KVA METERING.

Nova Scotia Power Inc.

2 ELEMENT, 120V TRANSFORMER RATED
P-BASE METER WITH 3-2 WIRE CT’S

APPROVED: DAVID STANFORD
DATE: 1996-01-01 | STD 6.32
CIRCUIT: 3φ, 4-WIRE Y, 120/208V, ABOVE 200A
TRANSFORMER: 3 2-WIRE CT’s (BAR-TYPE)

BILLING MULTIPLIER IS
METER MULTIPLIER X CT RATIO

NOTE: FOR EXISTING METERING ONLY
NOT FOR KVA METERING
CIRCUIT: 3 φ 4 WIRE Y, ABOVE 208V AND 200A
TRANSFORMER: 3 2-WIRE CT'S, 2 PT'S

BILLING MULTIPLIER IS METER
MULTIPLIER X CT RATIO X PT RATIO

NOTE: FOR EXISTING METERING ONLY
NOT FOR KVA METERING

Nova Scotia Power Inc. MEETING STANDARD
2 ELEMENT, 120V TRANSFORMER RATED P-BASE METER WITH 3-2 WIRE CT'S & 2 PT'S
APPROVED DAVID STANFORD
DATE 1996-01-01 STD 6.34
NON-STANDARD METER DRAWINGS

Date: December 22, 2003

CIRCUIT: 3 φ, 4 WIRE Y, ABOVE 208V AND 200A
TRANSFORMER: 3 2-WIRE CT'S, 2 PT'S
BILLING MULTIPLIER IS METER
MULTIPLIER X CT RATIO X PT RATIO
NOTE: FOR EXISTING METERING ONLY
NOT FOR KVA METERING

Nova Scotia Power Inc.

METERING STANDARD

2 ELEMENT, 120V TRANSFORMER RATED
S-BASE METER
WITH 3-2 WIRE CT'S & 2 PT'S

APPROVED
DAVID STANFORD

DATE 1996-01-01 STD 6.35
CIRCUIT: NETWORK (3-WIRE, 2φ) 120/208V, 100A MAX
BILLING MULTIPLIER IS METER MULTIPLIER
CIRCUIT: 3φ, 4-wire Δ, 240V, neutral is midpoint of B–C transformer
Transformer: none

NOTE:
For existing installations only

21/2 ELEMENT 240V,
Self contained S-base meter

APPROVED: DAVID STANFORD
DATE: 1996-01-01  STD 6.37

NON-STANDARD METER DRAWINGS

Reference:
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CIRCUIT: 3 φ, 4 WIRE Δ, 120V, NEUTRAL IS MIDPOINT OF B-C TRANSFORMER
TRANSFORMER: NONE

NOTE:
FOR EXISTING INSTALLATIONS ONLY
CIRCUIT: 3φ, 4-WIRE Δ, 240V, neutral is midpoint of B-C transformer transformer: 3 2-wire CT's, above 200A

NOTE: FOR EXISTING INSTALLATIONS ONLY
CIRCUIT: 3φ, 4-WIRE Δ, 240V, NEUTRAL IS MIDPOINT OF B-C TRANSFORMER
TRANSFORMER: 1 2-WIRE CT AND 1 3-WIRE CT (SAME RATIO)

NOTE:
FOR EXISTING INSTALLATIONS ONLY

Nova Scotia Power Inc.
Halifax, Nova Scotia, Canada

2 ELEMENT, 240V TRANSFORMER RATED
S-BASE METER WITH
1-2 WIRE CT & 1-3 WIRE CT

APPROVED
DAVID STANFORD

DATE 1996-01-01 STD 6.41
CIRCUIT: 3Φ, 4-WIRE Δ, 240V, NEUTRAL IS MIDPOINT OF B-C TRANSFORMER
TRANSFORMER: 1 2-WIRE CT AND 1 3-WIRE CT (SAME RATIO)

NOTE:
FOR EXISTING INSTALLATIONS ONLY
CIRCUIT: 3φ, 4-WIRE Δ, 240V, NEUTRAL IS MIDPOINT OF B-C TRANSFORMER TRANSFORMER: 3 2-WIRE CT'S, ABOVE 200A

NOTE:
FOR EXISTING INSTALLATIONS ONLY

2½ ELEMENT 240V, TRANSFORMER RATED S-BASE METER WITH 3-2WIRE CT'S

NOVA SCOTIA POWER INC. METERING STANDARD

APPROVED: DAVID STANFORD
DATE: 1996-01-01 STD 6.44
CIRCUIT: 3Φ, 4-WIRE Y, 120/208V, 200 AMPS MAX OR 347/600V 200. AMPS MAX

BILLING MULTIPLIER IS METER MULTIPLIER

NOTES:
1. DISCONNECT MUST BE ADJACENT TO OR INTEGRAL WITH THE METER BASE.
CIRCUIT: 3φ, 4-WIRE Y, 120/208V, ABOVE 200 AMPS
TRANSFORMER: 3 2-WIRE CT's
BILLING MULTIPLIER IS METER MULTIPLIER X CT RATIO

INSTALL EXTERNAL JUMPER
DOTTED LINES INDICATE INTERNAL CONNECTIONS IN METER BASE

METER VECTORS

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NON-STANDARD METER DRAWINGS

Reference: MS 6.0
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CIRCUIT: 3φ, 4-WIRE Y, ABOVE 208V, AND 200 AMPS
TRANSFORMER: 3 2-WIRE CT's
AND 2 PT's
BILLING MULTIPLIER IS METER
MULTIPLIER X CT RATIO X PT
RATIO

INSTALL EXTERNAL JUMPER

DOTTED LINES INDICATE INTERNAL CONNECTIONS IN METER BASE

METER VECTORS

E_{AN}

-I_B

E_{ON}

I_A

I_A

LINE
LOAD

2½ ELEMENT, 120V, TRANSFORMER RATED
S-BASE METER WITH
3 C.T.'s & 2 P.T.'s

APPROVED
PAUL MILLER

REV
02

DATE
1996-01-01

STD 6.47

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NOTE:
1. OPEN CT SHORTING LINKS AFTER METER IS CONNECTED AND BEFORE ENERGIZATION OCCURS.
NOTE:
1. OPEN CT SHORTING LINKS AFTER METER IS CONNECTED AND BEFORE ENERGIZATION OCCURS.
CIRCUIT: 3 φ, 4 WIRE Y, ABOVE 208V AND 200A
TRANSFORMER: 3 2-WIRE CT’S, 3 PT’S
BILLING MULTIPLIER IS METER MULTIPLIER X CT X PT RATIO

Nova Scotia Power Inc. METERING STANDARD
2 ELEMENT, 120V, TRANSFORMER-RATED, PANEL MOUNT ON 8X00 METER WITH 2 2-WIRE C.T.’s & 2 P.T.’s
APPROVED DAVE STANFORD
DATE 2009-05-22 STD 6.53