Appendix A - Standard Drawings for Electricity Metering Installations

Important Announcement

Measurement Canada announces the amendment of the Specifications for the Installation and Use of Electricity Meters, Appendix A — Standard Drawings for Electricity Metering Installations (S-E-08). These specifications have been amended to remove legacy drawings depicting meters that contravene bulletin E-24: Policy on Approval and Use of 2½ Element Metering, drawings representing outdated measurement techniques, and drawings of meters that are now obsolete due to their vintage. Please consult Amendment of Measurement Canada Standard Drawings for Electricity Metering Installations for more information.
CIRCUIT : 1-PHASE, 2-WIRE
METER : 1-PHASE, 2-WIRE,
A-BASE, SELF-CONTAINED
TRANSFORMERS : NONE
CIRCUIT: 1-PHASE, 2-WIRE

METER: 1-PHASE, 2-WIRE, S-BASE, SELF-CONTAINED

TRANSFORMERS: NONE
CIRCUIT: 1-PHASE, 2-WIRE
METER: 1-PHASE, 2-WIRE, A-BASE, TRANS-TYPE
TRANSFORMERS: 1 CT & 1 PT

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 1203
APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: 1–PHASE, 2–WIRE
TRANSFORMERS: 1 CT & 1 PT
METER: 1–PHASE, 2–WIRE, A–BASE, TRANS–TYPE

GREEN
RED & WHITE
RED & BLACK

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 1203-1
APPROVED BY: Adnan Rashid
OCTOBER 29, 2011
CIRCUIT: 1-PHASE, 2-WIRE
TRANSFORMERS: 1 CT & 1 PT
METER: 1-PHASE, 2-WIRE, S-BASE, TRANS-TYPE

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008

DWG. NO: 1204
CIRCUIT : 1-PHASE, 2-WIRE
TRANSFORMERS : 1 CT & 1 PT
METER : 1-PHASE, 2-WIRE, S-BASE, TRANS-TYPE

ALTERNATE CONNECTION

RED & WHITE
RED & BLACK

LINE
LOAD

GREEN

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 1204–1

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: 1-PHASE, 2-WIRE
METER: 1-PHASE, 2-WIRE, S-BASE, TRANS-TYPE
TRANSFORMERS: 1 CT & 1 PT

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 1204-2
APPROVED BY: Adnan Rashid
OCTOBER 29, 2011
CIRCUIT : SINGLE-PHASE, 3-WIRE
TRANSFORMERS : NONE
METER : SINGLE-PHASE, 3-WIRE, (TWO 1/2 COILS), A-BASE, SELF-CONTAINED

LINE LOAD

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 1301
APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT : SINGLE-PHASE, 3-WIRE  
METER : SINGLE-PHASE, 3-WIRE, (TWO 1/2 COILS), S-BASE, SELF-CONTAINED  
TRANSFORMERS : NONE
CIRCUIT: SINGLE-PHASE, 3-WIRE
TRANSFORMERS: 1 3-WIRE C.T.
METER: SINGLE-PHASE, 2-WIRE, A-BASE, TRANS-TYPE

RED & WHITE
RED
BLACK
RED & BLACK
GREEN

LINE
LOAD

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 1303
APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: SINGLE-PHASE, 3-WIRE
TRANSFORMERS: 1 3-WIRE C.T.
METER: SINGLE-PHASE, 2-WIRE, A-BASE, TRANS-TYPE

LINE LOAD
RED & WHITE
RED
RED & BLACK
BLACK
GREEN
LOAD

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 1303-1
APPROVED BY: Adnan Rashid
OCTOBER 29, 2011
CIRCUIT : SINGLE-PHASE, 3-WIRE
TRANSFORMERS : 1 3-WIRE C.T.
METER : SINGLE-PHASE, 2-WIRE, S-BASE, TRANS-TYPE

Red & White
Red
Red & Black
Black
Green

LINE
LOAD

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 1304-2
APPROVED BY: Adnan Rashid
OCTOBER 29, 2011
CIRCUIT: SINGLE-PHASE, 3-WIRE

TRANSFORMERS: 1 2-WIRE RING TYPE C.T.

METER: SINGLE-PHASE, 2-WIRE, S-BASE, TRANS-TYPE

LINE LOAD

RED
RED & WHITE
RED & BLACK
BLACK
GREEN
MULT 1/2

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 1305

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: SINGLE-PHASE, 3-WIRE
TRANSFORMERS: 1 2-WIRE RING TYPE C.T.
METER: SINGLE-PHASE, 2-WIRE, S-BASE, TRANS-TYPE

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid
OCTOBER 29, 2011

DWG. NO: 1305-1
CIRCUIT : SINGLE–PHASE, 3–WIRE
TRANSFORMERS : 1 2–WIRE RING TYPE C.T.
METER : SINGLE–PHASE, 2–WIRE, A–BASE, TRANS–TYPE

RED & WHITE
RED
BLACK
RED & BLACK
BLACK
GREEN

LINE LOAD

MULT 1/2

CIRCUIT : SINGLE–PHASE, 3–WIRE
METER : SINGLE–PHASE, 2–WIRE, A–BASE, TRANS–TYPE
TRANSFORMERS : 1 2–WIRE RING TYPE C.T.
CIRCUIT : SINGLE-PHASE, 3-WIRE
TRANSFORMERS : 1 2-WIRE RING TYPE C.T.
METER : SINGLE-PHASE, 2-WIRE, A-BASE, TRANS-TYPE

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 1306-1
APPROVED BY: Adnan Rashid
OCTOBER 29, 2011
CIRCUIT: SINGLE-PHASE, 3-WIRE
METER: SINGLE-PHASE, 3-WIRE, (TWO 1/2 COILS), A-BASE, TRANS-TYPE
TRANSFORMERS: 2 2-WIRE C.T.

RED & WHITE
BLACK
RED
YELLOW & BLACK
GREEN
YELLOW & WHITE
RED & BLACK

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 1307
APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: SINGLE-PHASE, 3-WIRE
TRANSFORMERS: 2 2-WIRE C.T.
METER: SINGLE-PHASE, 3-WIRE, (TWO 1/2 COILS), A-BASE, TRANS-TYPE

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid
OCTOBER 29, 2011

CIRCUIT : SINGLE-PHASE, 3-WIRE
METER : SINGLE-PHASE, 3-WIRE, (TWO 1/2 COILS), A-BASE, TRANS-TYPE
TRANSFORMERS : 2 2-WIRE C.T.
CIRCUIT: SINGLE-PHASE, 3-WIRE
TRANSFORMERS: 2 2-WIRE C.T.
METER: SINGLE-PHASE, 3-WIRE, (TWO 1/2 COILS), S-BASE, TRANS-TYPE

LINE LOAD

RED & WHITE

RED

BLACK

LOAD

GREEN

YELLOW & BLACK

RED & BLACK

YELLOW & WHITE

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008

DWG. NO: 1308
CIRCUIT: SINGLE-PHASE, 3-WIRE
TRANSFORMERS: 2 2-WIRE C.T.
METER: SINGLE-PHASE, 3-WIRE, (TWO 1/2 COILS), S-BASE, TRANS-TYPE

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 1308-1
APPROVED BY: Adnan Rashid
OCTOBER 29, 2011
CIRCUIT : SINGLE-PHASE, 3-WIRE
TRANSFORMERS : 2 2-WIRE C.T.
METER : SINGLE-PHASE, 2-WIRE, A-BASE, TRANS-TYPE

LINE LOAD
RED & WHITE
BLACK
RED
GREEN
RED & BLACK
YELLOW & BLACK
YELLOW & WHITE
LOAD

CIRCUIT : SINGLE-PHASE, 3-WIRE
METER : SINGLE-PHASE, 2-WIRE, A-BASE, TRANS-TYPE
TRANSFORMERS : 2 2-WIRE C.T.

MEASUREMENT CANADA STANDARD DRAWING

DWG. NO: 1309
APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: SINGLE-PHASE, 3-WIRE

TRANSFORMERS: 2 2-WIRE C.T.

METER: SINGLE-PHASE, 2-WIRE, A-BASE, TRANS-TYPE

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid
OCTOBER 29, 2011

DWG. NO: 1309-1
CIRCUIT : SINGLE-PHASE, 3-WIRE
TRANSFORMERS : 2 2-WIRE C.T.
METER : SINGLE-PHASE, 2-WIRE, A-BASE, TRANS-TYPE

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 1309-2
APPROVED BY: Adnan Rashid
OCTOBER 29, 2011
CIRCUIT: SINGLE-PHASE, 3-WIRE
METER: SINGLE-PHASE, 2-WIRE, S-BASE, TRANS-TYPE
TRANSFORMERS: 2 2-WIRE C.T.

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008

MULT 1/2
CIRCUIT : SINGLE–PHASE, 3–WIRE
TRANSFORMERS : 2 2–WIRE C.T.
METER : SINGLE–PHASE, 2–WIRE, S–BASE, TRANS–TYPE

LINE LOAD

RED & WHITE
RED & BLACK
RED & WHITE
RED & BLACK
RED & WHITE
RED & BLACK

MEASUREMENT CANADA
STANDARD DRAWING
APPROVED BY: Adnan Rashid
OCTOBER 29, 2011

MULT 1/2

Dwg. No: 1310-1

Yellow & White
Yellow & Black
Yellow & Black
Green
CIRCUIT: SINGLE-PHASE, 3-WIRE
TRANSFORMERS: 2 2-WIRE C.T.
METER: 2-ELEMENT, VERTICAL, A-BASE, TRANS-TYPE

RED
WHITE
BLACK
RED & WHITE

RED & BLACK
YELLOW & BLACK
RED & BLACK
YELLOW & WHITE

LINE
LOAD

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 1311
APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: SINGLE-PHASE, 3-WIRE
TRANSFORMERS: 2 2-WIRE C.T.
METER: 2-ELEMENT, VERTICAL, A-BASE, TRANS-TYPE

Circuit Diagram:
- Red
- White
- Black
- Red & White
- Red & Black
- Yellow & White
- Yellow & Black
- Green
- Line
- Load

Measurement Canada Standard Drawing
Approved By: Adnan Rashid
OCTOBER 29, 2011
CIRCUIT : SINGLE-PHASE, 3-WIRE
TRANSFORMERS : 2 2-WIRE C.T.
METER : 2-ELEMENT, S-BASE, TRANS-TYPE

LINE LOAD
RED
WHITE
BLACK
RED & WHITE

YELLOW & BLACK
RED & BLACK
YELLOW & WHITE
GREEN

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 1312-1

APPROVED BY: Adnan Rashid
OCTOBER 29, 2011
CIRCUIT: 3-PHASE, 3-WIRE, Δ
METER: 2-ELEMENT, VERTICAL, A-BASE, SELF-CONTAINED
TRANSFORMERS: NONE

LINE LOAD

A
B
C

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3301
APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: 3-PHASE, 3-WIRE, Δ
METER: 2-ELEMENT, S-BASE, SELF-CONTAINED
TRANSFORMERS: NONE

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT : 3-PHASE, 3-WIRE, \( \Delta \)
METER : 2-ELEMENT, VERTICAL, A-BASE, TRANS-TYPE
TRANSFORMERS : 2 C.T.

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3307
APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT : 3-PHASE, 3-WIRE, \( \Delta \)
METER : 2-ELEMENT, S-BASE, TRANS-TYPE
TRANSFORMERS : 2 C.T.

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3308
APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT : 3-PHASE, 3-WIRE, \( \Delta \)
METER : 2-ELEMENT, HORIZONTAL, P BASE, TRANS-TYPE WITH PULSE INITIATOR
TRANSFORMERS : 2 C.T., 2 P.T.

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3310–1

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: 3-PHASE, 3-WIRE, Δ
METER: 2-ELEMENT, VERTICAL, A-BASE, TRANS-TYPE
TRANSFORMERS: 2 C.T., 2 P.T.

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3311
APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: 3-PHASE, 3-WIRE, Δ
METER: 2-ELEMENT, S-BASE, TRANS-TYPE
TRANSFORMERS: 2 C.T., 2 P.T., 2 AUXILIARY P.T., 2 AUXILIARY C.T.

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008

DWG. NO: 3312–1
CIRCUIT : 3–WIRE NETWORK FROM 3–PHASE, 4–WIRE, Y, (A & C LINES)

METER : 2–ELEMENT NETWORK, VERTICAL, A–BASE, SELF–CONTAINED

TRANSFORMERS : NONE
CIRCUIT: 3–WIRE NETWORK FROM 3–PHASE, 4–WIRE, Y, (A & C LINES)
TRANSFORMERS: NONE
METER: 2–ELEMENT NETWORK, S–BASE, SELF–CONTAINED

A LINE LOAD

WHITE

METER VECTORS

EAN

ENC

Ia

Ic

Ica

MCN

EAN

SEPTEMBER 2, 2008

DWG. NO: 3319

APPROVED BY: Adnan Rashid

MEASUREMENT CANADA
STANDARD DRAWING

SEPTEMBER 2, 2008

TRANSFORMERS: NONE
CIRCUIT: 3–WIRE NETWORK FROM 3–PHASE, 4–WIRE, Y (A & C LINES)
TRANSFORMERS: 2 C.T.
METER: 2–ELEMENT NETWORK, VERTICAL, A–BASE, TRANS–TYPE

LOAD

BLUE
WHITE
RED
A LINE
N
C

MEASUREMENT CANADA
STANDARD DRAWING

CIRCUIT: 3–WIRE NETWORK FROM 3–PHASE, 4–WIRE, Y (A & C LINES)
METER: 2–ELEMENT NETWORK, VERTICAL, A–BASE, TRANS–TYPE
TRANSFORMERS: 2 C.T.

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3322
APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: 3-WIRE NETWORK FROM 3-PHASE, 4-WIRE Y (A & C LINES)

METER: 2-ELEMENT NETWORK, S-BASE, TRANS-TYPE

TRANSFORMERS: 2 C.T.

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008

DWG. NO: 3323
CIRCUIT: 4-WIRE, Y
METER: 2-ELEMENT
TRANSFORMERS: 3 C.T.

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008

DWG. NO: 3400-D1
CIRCUIT : 4–WIRE, Y
METER : 2–ELEMENT
TRANSFORMERS : 3 C.T.
CIRCUIT: 4-WIRE, Y
METER: 2-ELEMENT
TRANSFORMERS: 3 C.T.
CIRCUIT : 4–WIRE, Y
METER : 2–ELEMENT
TRANSFORMERS : 3 C.T.
CIRCUIT: 3-PHASE, 4-WIRE Y
METER: 3-ELEMENT, VERTICAL A-BASE, SELF-CONTAINED
TRANSFORMERS: NONE

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: 3-PHASE, 4-WIRE Y
METER: 2-ELEMENT, VERTICAL, A-BASE, TRANS-TYPE
TRANSFORMERS: 3 C.T.

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3407
APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: 3-PHASE, 4-WIRE Y
METER: 2-ELEMENT, S-BASE, TRANS-TYPE
TRANSFORMERS: 3 C.T.
CIRCUIT: 3-PHASE, 4-WIRE Y
METER: 2-ELEMENT, VERTICAL, A-BASE, TRANS-TYPE
TRANSFORMERS: 3 C.T., 2 P.T.

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3409
APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: 3-PHASE, 4-WIRE Y

TRANSFORMERS: 3 C.T.

NOTE: See DWG.3451 for alternative connections

METER: 2 1/2 ELEMENT, VERTICAL, A-BASE, TRANS-TYPE

Dwg. No: 3412

Approved by: Adnan Rashid

September 2, 2008
CIRCUIT: 3-PHASE, 4-WIRE Y

TRANSFORMERS: 3 C.T., 2 P.T.

NOTE: See DWG.3452 for alternative connections

METER: 2 1/2 ELEMENT, VERTICAL, A-BASE, TRANS-TYPE

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid

SEPTEMBER 2, 2008

DWG. NO: 3413
CIRCUIT: 3-PHASE, 4-WIRE Y

TRANSFORMERS: 3 C.T.

NOTE: See DWG.3453 for alternative connections

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3414

APPROVED BY: Adnan Rashid

SEPTEMBER 2, 2008
CIRCUIT: 3-PHASE, 4-WIRE Y
TRANSFORMERS: 3 C.T., 2 P.T.
NOTE: See DWG.3454 for alternative connections

METER: 2 1/2 ELEMENT, S-BASE, TRANS-TYPE

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008

DWG. NO: 3415
CIRCUIT: 3-PHASE, 4-WIRE Y
TRANSFORMERS: 3 C.T.
NOTE: See DWG.3455 for alternative connections

METER: 3-ELEMENT, VERTICAL
A-BASE, TRANS-TYPE

WHITE
BLUE
YELLOW
RED

GREEN
RED & WHITE
YELLOW & WHITE
BLUE & WHITE
WHITE

LOAD

E CN I c
I a
I b
E AN
E BN

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008

DWG. NO: 3416
CIRCUIT: 3-PHASE, 4-WIRE Y

METER: 3-ELEMENT, S-BASE, TRANS-TYPE

TRANSFORMERS: 3 C.T.

NOTE: See DWG.3456 for alternative connections

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3417

APPROVED BY: Adnan Rashid

SEPTEMBER 2, 2008
CIRCUIT: 3-PHASE, 4-WIRE Y

TRANSFORMERS: 3 C.T., 3 P.T.

NOTE: See DWG.3457 for alternative connections

METER: 3-ELEMENT, VERTICAL, A-BASE, TRANS-TYPE

LOAD

WHITE
BLUE
YELLOW
RED

GREEN
RED & WHITE
YELLOW & WHITE
BLUE & WHITE
WHITE

E AN
E CN
I_a
I_b
I_c
E BN

METER VECTORS

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008

DWG. NO: 3418
CIRCUIT : 3-PHASE, 4 WIRE, Y
TRANSFORMERS : 3 C.T., 3 P.T.
NOTE: See DWG.3458 for alternative connections

METER : 3-ELEMENT, S-BASE, TRANS-TYPE

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: 3-PHASE, 4 WIRE △, NEUTRAL IS MID-POINT OF B-C TRANSFORMER

METER: 3-ELEMENT, △, VERTICAL, A-BASE, SELF-CONTAINED

TRANSFORMERS: NONE

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008

DWG. NO: 3431
CIRCUIT: 3-PHASE, 4 WIRE ∆, NEUTRAL IS MID-POINT OF B-C TRANSFORMER

METER: 3-ELEMENT, ∆, S-BASE, SELF-CONTAINED

TRANSFORMERS: NONE

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3432

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT : 3-PHASE, 4 WIRE Δ, NEUTRAL IS MID-POINT OF B-C TRANSFORMER

TRANSFORMERS : 3 C.T., “B” AND “C” HAVE DOUBLE THE RATIO OF “A”

METER : 2-ELEMENT, VERTICAL, A-BASE, TRANS-TYPE

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008

DWG. NO: 3437
CIRCUIT: 3-PHASE, 4 WIRE Δ, NEUTRAL IS MID-POINT OF B-C TRANSFORMER

METER: 2-ELEMENT, S-BASE, TRANS-TYPE

TRANSFORMERS: 3 C.T., “B” AND “C” HAVE DOUBLE THE RATIO OF “A”
CIRCUIT: 3–PHASE, 4 WIRE Δ, NEUTRAL IS MID-POINT OF B–C TRANSFORMER

TRANSFORMERS: 1 3-WIRE C.T. AND 1 2-WIRE C.T. EQUAL RATIO

METER: 2 –ELEMENT, VERTICAL, A–BASE, TRANS–TYPE

MEASUREMENT CANADA STANDARD DRAWING

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008

DWG. NO: 3439
CIRCUIT: 3-PHASE, 4 WIRE Δ, NEUTRAL IS MID-POINT OF B-C TRANSFORMER

TRANSFORMERS: 1 3-WIRE C.T. AND 1 2-WIRE C.T. EQUAL RATIO

METER: 2 ELEMENT Δ, S-BASE, TRANS-TYPE

MEASUREMENT CANADA STANDARD DRAWING

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008

DWG. NO: 3440
CIRCUIT: 3-PHASE, 4 WIRE Δ, NEUTRAL IS MID-POINT OF B–C TRANSFORMER

TRANSFORMERS: 3 C.T.

METER: 3-ELEMENT, VERTICAL, A-BASE, TRANS-TYPE

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3441

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: 3-PHASE, 4 WIRE Δ, NEUTRAL IS MID-POINT OF B–C TRANSFORMER

METER: 3-ELEMENT, S-BASE, TRANS-TYPE

TRANSFORMERS: 3 C.T.
CIRCUIT : 3–PHASE, 4 WIRE Δ. NEUTRAL IS MID–POINT OF B–C TRANSFORMER

METER : 2 1/2–ELEMENT Δ, (TWO 1/2 COILS), P–BASE, TRANS–TYPE

TRANSFORMERS : 3 C.T.

NOTE: See DWG.3444 for alternative connections

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3443

APPROVED BY: Adnan Rashid

SEPTEMBER 2, 2008
CIRCUIT: 3-PHASE, 4 WIRE Δ. NEUTRAL IS MID-POINT OF B–C TRANSFORMER

TRANSFORMERS: 3 C.T.

METER: 2 1/2-ELEMENT Δ, (TWO 1/2 COILS), P-BASE, TRANS-TYPE

NOTE: See DWG.3443 for alternative connections

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3444

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: 3-PHASE, 4 WIRE, Y
METER: 2 1/2-ELEMENT, HORIZONTAL P-BASE, TRANS-TYPE WITH PULSE INITIATOR
TRANSFORMERS: 3 C.T., 2 P.T.

LOAD

YELLOW OR WHITE
BLUE
WHITE
YELLOW OR WHITE
RED

GREEN
RED & WHITE
RED & BLACK
YELLOW & WHITE
YELLOW & BLACK
BLUE & WHITE
BLUE & BLACK

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3450

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: 3-PHASE, 4 WIRE, Y

TRANSFORMERS: 3 C.T.

NOTE: See DWG.3412 for alternative connections

METER: 2 1/2-ELEMENT, VERTICAL, A-BASE, TRANS-TYPE

LOAD
WHITE
BLUE
RED

GREEN
RED & WHITE
RED & BLACK
YELLOW & WHITE
YELLOW & BLACK
BLUE & WHITE
BLUE & BLACK

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3451

APPROVED BY: Adnan Rashid

SEPTEMBER 2, 2008
CIRCUIT: 3-PHASE, 4 WIRE, Y

METER: 2 1/2-ELEMENT, VERTICAL, A-BASE, TRANS-TYPE

TRANSFORMERS: 3 C.T.

NOTE: See DWG.3412 for alternative connections
CIRCUIT : 3-PHASE, 4 WIRE, Y
TRANSFORMERS : 3 C.T., 2 P.T.
NOTE: See DWG.3413 for alternative connections

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3452
APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: 3-PHASE, 4 WIRE, Y

TRANSFORMERS: 3 C.T., 2 P.T.

NOTE: See DWG.3413 for alternative connections

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008

DWG. NO: 3452-1
CIRCUIT: 3-PHASE, 4 WIRE, Y

TRANSFORMERS: 3 C.T.

NOTE: See DWG.3414 for alternative connections

METER: 2 1/2-ELEMENT, S-BASE, TRANS-TYPE

MEASUREMENT CANADA
STANDARD DRAWING

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008

DWG. NO: 3453

N

B

C

LOAD

E AN

E CN

-1b

1a

1c

BLUE WHITE RED

RED & WHITE
RED & BLACK
YELLOW & WHITE
YELLOW & BLACK
BLUE & WHITE
BLUE & BLACK

a}

b}

c}

METER VECTORS
CIRCUIT: 3-PHASE, 4 WIRE, Y
TRANSFORMERS: 3 C.T.
NOTE: See DWG.3416 for alternative connections

METER: 3-ELEMENT, VERTICAL, A-BASE, TRANS-TYPE

LOAD
WHITE
BLUE
YELLOW
RED

METER VECTORS

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3455
APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: 3-PHASE, 4 WIRE, Y
TRANSFORMERS: 3 C.T.
NOTE: See DWG.3416 for alternative connections

METER: 3-ELEMENT, VERTICAL, A-BASE, TRANS-TYPE

LOAD:
- WHITE
- BLUE
- YELLOW
- RED

E CN
I c
I a
I b
E BN
E AN

METE VECTORS:
- BLUE & BLACK
- RED & WHITE
- YELLOW & BLACK
- GREEN
- RED & WHITE
- WHITE
- YELLOW & WHITE
- BLUE & WHITE

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3455-1

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
Circuit: 3-phase, 4 wire, Y

Transformers: 3 C.T.

Meter: 3-element, S-base, Trans-type

Note: See DWG.3417 for alternative connections

Measurement Canada
Standard Drawing

Approved by: Adnan Rashid

September 2, 2008

Dwg. No: 3456
CIRCUIT: 3-PHASE, 4 WIRE, Y
TRANSFORMERS: 3 C.T., 3 P.T.
NOTE: See DWG.3418 for alternative connections

METER: 3-ELEMENT, VERTICAL, A-BASE, TRANS-TYPE
METER VECTORS

LOAD

WHITE
BLUE
YELLOW
RED
GREEN
RED & WHITE
RED & BLACK
YELLOW & WHITE
YELLOW & BLACK
BLUE & WHITE
BLUE & BLACK

CIRCUIT: 3-PHASE, 4 WIRE, Y
METER: 3-ELEMENT, VERTICAL, A-BASE, TRANS-TYPE
TRANSFORMERS: 3 C.T., 3 P.T.
NOTE: See DWG.3418 for alternative connections

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3457
APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008
CIRCUIT: 3-PHASE, 4 WIRE, Y
METER: 3-ELEMENT, VERTICAL, A-BASE, TRANS-TYPE
TRANSFORMERS: 3 C.T., 3 P.T.
NOTE: See DWG.3418 for alternative connections
CIRCUIT: 3-PHASE, 4 WIRE, Y
TRANSFORMERS: 3 C.T., 3 P.T.
NOTE: See DWG.3419 for alternative connections

METER: 3-ELEMENT, S-BASE, TRANS-TYPE

LOAD

E AN
E CN
I C
I B
I A
E BN

GREEN
RED & WHITE
RED & BLACK
YELLOW & WHITE
YELLOW & BLACK
BLUE & WHITE
BLUE & BLACK

WHITE
BLUE
YELLOW
RED

A
B
C
N

MEASUREMENT CANADA
STANDARD DRAWING

DWG. NO: 3458

APPROVED BY: Adnan Rashid
SEPTEMBER 2, 2008