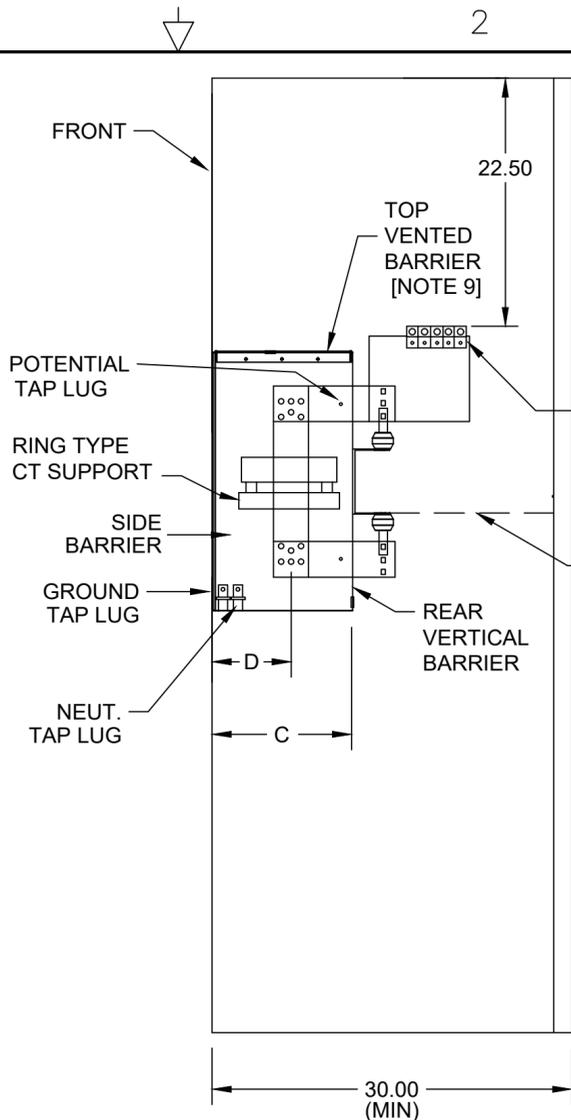
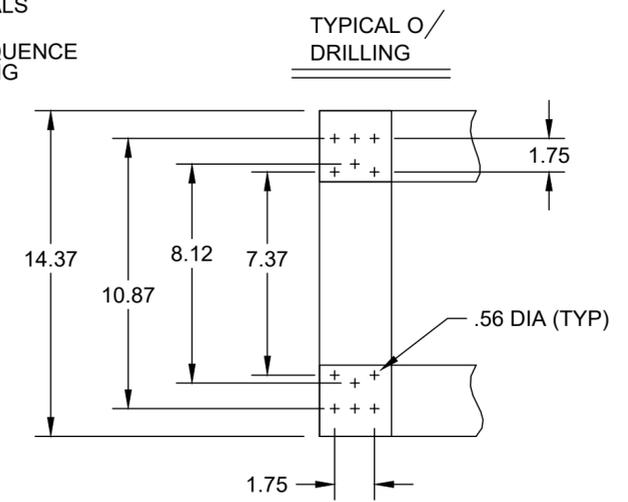


| AMPERES | W | A | B | C | D |
|-------------|-------|-------|------|-------|-------|
| 1600A-2500A | 36.00 | 9.00 | 6.50 | 12.43 | 6.94 |
| 3000A-4000A | 45.00 | 11.75 | 8.25 | 16.43 | 10.12 |



| STANDARD INCOMING TERMINALS | |
|-----------------------------|----------------|
| AMPERES | CABLE RANGE |
| 1600 | (6) #2-500MCM |
| 2000 | (7) #2-500MCM |
| 2500 | (8) #2-500MCM |
| 3000 | (10) #2-500MCM |
| 4000 | (13) #2-500MCM |



NOTES

- #10 AWG CABLE WILL BE SUPPLIED TO THE GROUND TAP FROM THE STRUCTURE GROUND BUS BY THE MANUFACTURER. GROUND TAP ACCEPTS #10 AWG.
- CABLE WILL BE SUPPLIED TO THE NEUTRAL TAP FROM THE STRUCTURE NEUTRAL BY THE MANUFACTURER.
- INCOMING TERMINALS ARE SUPPLIED. REF. TABLE FOR THE STANDARD SIZES.
- DOUBLE HINGED DOORS WITH PROVISIONS FOR PADLOCKING ON CT & PT COMPARTMENT.
- TIN PLATED ALUM. BUS IS STANDARD AND COPPER OR SILVER PLATED COPPER IS OPTIONAL.
- #10-32 TAPPED HOLE WITH LUG FOR POTENTIAL METERING, AND DRILLING FOR JUMPER STUDS ARE PROVIDED.
- UP TO 2500A 36W MINIMUM, DEPTH IS 30D
3000A / 4000A 45W MINIMUM, DEPTH IS 36D
- 0.75" HOLE IN POLY BARRIER BETWEEN CT AND PT COMPARTMENT FOR ROUTING WIRING.
- BARRIER MADE OF GLASS POLYESTER WHEN PT COMPARTMENT IS PRESENT.
- "AMEREN UTILITY METERING" STICK-ON MICARTA NAMEPLATE AFFIXED TO OUTSIDE AND INSIDE OF CT COMPARTMENT DOOR.

1600-4000A

WILL ACCEPT THE FOLLOWING WINDOW STYLE C.T.'s
PRIMARY BAR IS SUPPLIED BY EATON

| | | | |
|-----|--------|-------|-------|
| ABB | G.E. | ITRON | ASTRA |
| CLC | JCS-O | R6L | AC |
| | JAD-O | | AD |
| | JAD-OC | | |
| | JAH-O | | |
| | JAF-O | | |

WILL ACCEPT THE FOLLOWING C.T.'S IN A 45W STRUCTURE

| | | | |
|-----|--------|-------|-------|
| ABB | G.E. | ITRON | ASTRA |
| CLE | JAD-O | R6L | ACL |
| | JAD-OC | | |
| | JCB-O | | |
| | JCD-O | | |
| | JCP-O | | |

REF TO DRAWING 5078A01 FOR TOLERANCES.

TOP INCOMING 1600-4000A, 208Y/120V

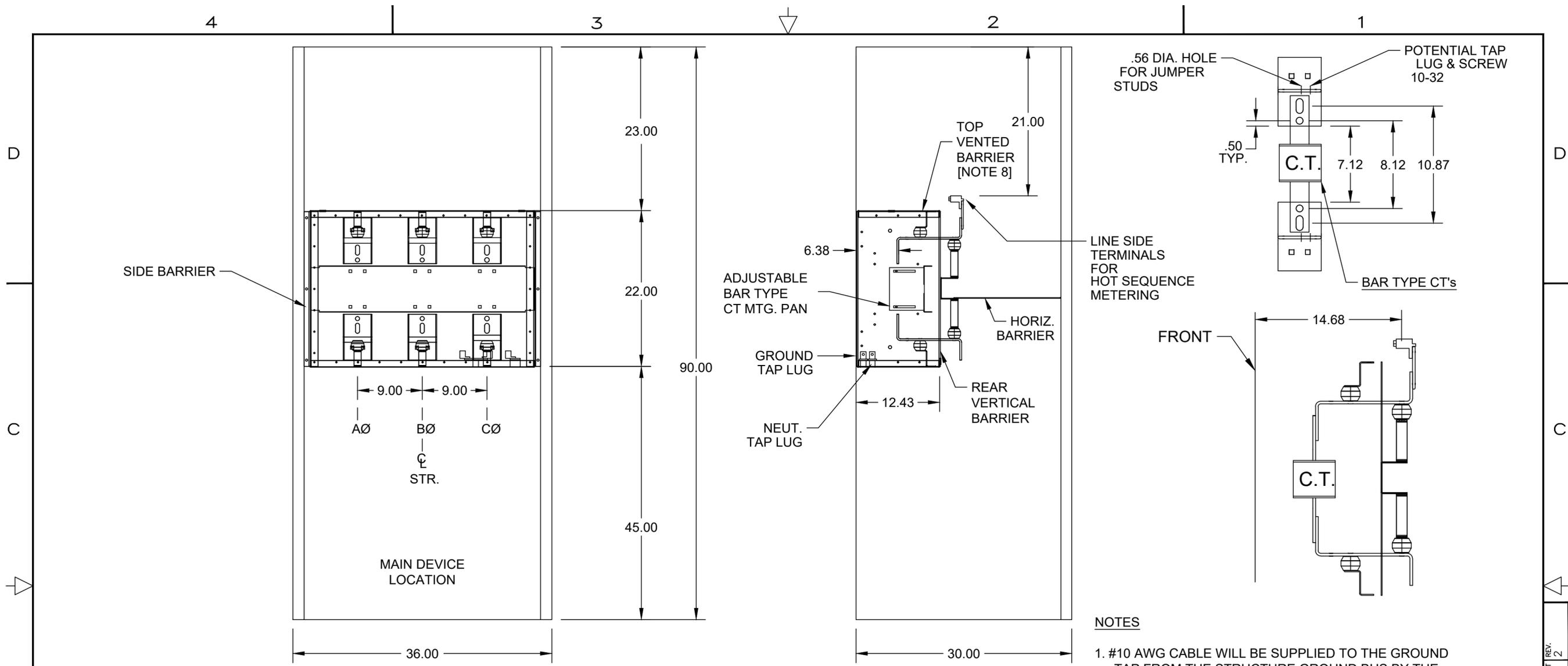
| REVISION | DATE | BY |
|----------|----------------|----|
| 1 | | |
| 2 | CO-0227600 | |
| | HMC 03/15/2022 | |
| | RBH 03/15/2022 | |
| | NOTES ALIGNED. | |

| DRAFTER/DESIGNER | DATE |
|------------------|----------|
| YJ | 01/13/22 |
| APPD | DATE |
| RH | 01/13/22 |
| APPD | DATE |

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**Ameren Approved Switchboard - Eaton/Cutler Hammer CT/PT Compartment
208Y/120V, 1201 - 4000A Overhead Feed
Reference: Eaton #43C1731 (Sheet 1 of 4)**



WILL ACCEPT THE FOLLOWING PRIMARY BAR-TYPE CURRENT TRANSFORMERS.
PRIMARY BAR IS NOT SUPPLIED BY EATON

| ABB | G.E. | ITRON | ASTRA |
|-----|--------|-------|-------|
| CBH | JAK-O | R6B | AA |
| CBT | JAK-OC | R6BA | AB |
| CMF | JCM-O | R6BM | TA |
| CSF | JCT-O | | TAB |
| | JCW-O | | TCB |
| | | | TCW |

800-1200A

STANDARD INCOMING TERMINALS

| AMPERES | CABLE RANGE |
|---------|---------------|
| 400 | (2) #2-500MCM |
| 600 | (2) #2-500MCM |
| 800 | (3) #2-500MCM |
| 1000 | (4) #2-500MCM |
| 1200 | (4) #2-500MCM |

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- BARRIER MADE OF GLASS POLYESTER WHEN PT COMPARTMENT IS PRESENT.

TOP INCOMING 800-1200A, 208Y/120V

**Ameren Approved Switchboard - Eaton/Cutler Hammer CT/PT Compartment
208Y/120V, 800 - 1200A Overhead Feed
Reference: Eaton #43C1731 (Sheet 2 of 4)**

4

3

2

1

D

D

C

C

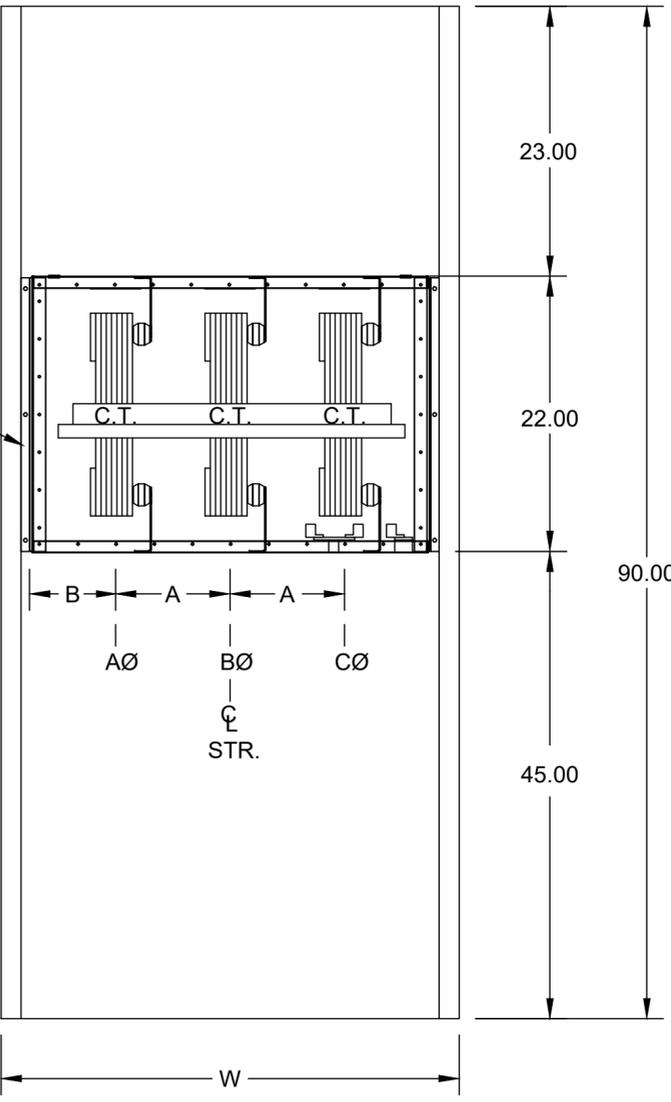
B

B

A

A

SIDE BARRIER



FRONT

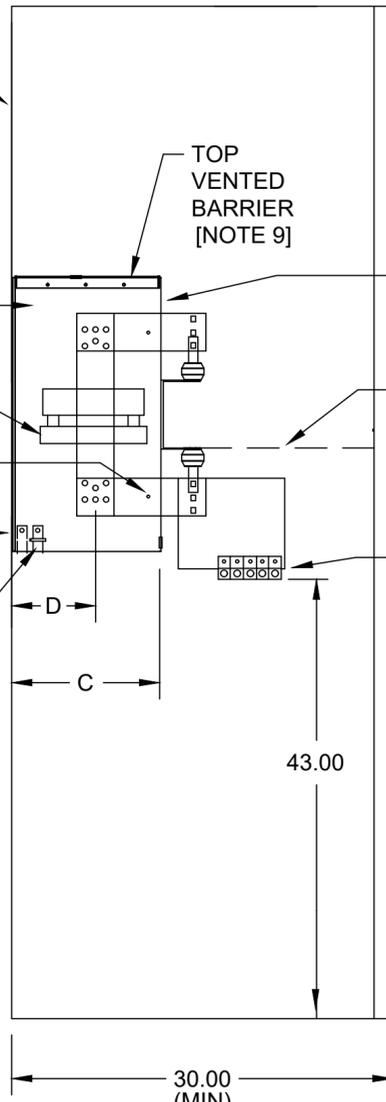
SIDE BARRIER

RING TYPE CT SUPPORT

POTENTIAL TAP LUG

GROUND TAP LUG

NEUT. TAP LUG



TOP VENTED BARRIER [NOTE 9]

REAR VERTICAL BARRIER

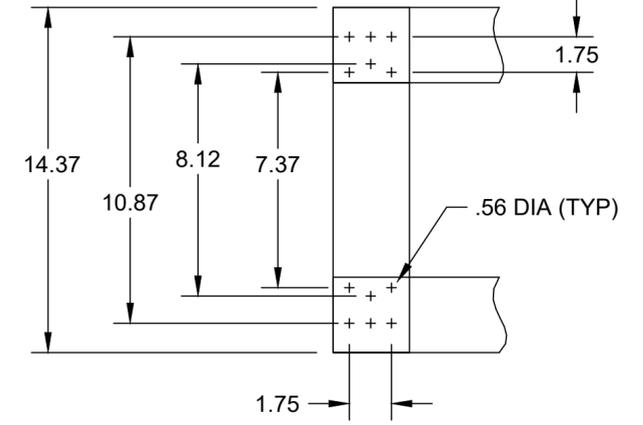
REAR ISOLATION BARRIER

LINE SIDE TERMINALS FOR HOT SEQUENCE METERING

STANDARD INCOMING TERMINALS

| AMPERES | CABLE RANGE |
|---------|----------------|
| 1600 | (6) #2-500MCM |
| 2000 | (7) #2-500MCM |
| 2500 | (8) #2-500MCM |
| 3000 | (10) #2-500MCM |
| 4000 | (13) #2-500MCM |

TYPICAL O/ DRILLING



| AMPERES | W | A | B | C | D |
|-------------|-------|-------|------|-------|-------|
| 1600A-2500A | 36.00 | 9.00 | 6.50 | 12.43 | 6.94 |
| 3000A-4000A | 45.00 | 11.75 | 8.25 | 16.43 | 10.12 |

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WILL ACCEPT THE FOLLOWING WINDOW STYLE C.T.'s PRIMARY BAR IS SUPPLIED BY EATON

| ABB | G.E. | ITRON | ASTRA |
|-----|--|-------|----------|
| CLC | JCS-O JAD-O JAD-OC JAH-O JAF-O | R6L | AC AD |

WILL ACCEPT THE FOLLOWING C.T.'S IN A 45W STRUCTURE

| ABB | G.E. | ITRON | ASTRA |
|-----|--|-------|-------|
| CLE | JAD-O JAD-OC JCB-O JCD-O JCP-O | R6L | ACL |

1600-4000A

Ameren Approved Switchboard - Eaton/Cutler Hammer CT Compartment
208Y/120V, 1201 - 4000A Underground Feed
Reference: Eaton #43C1731 (Sheet 3 of 4)

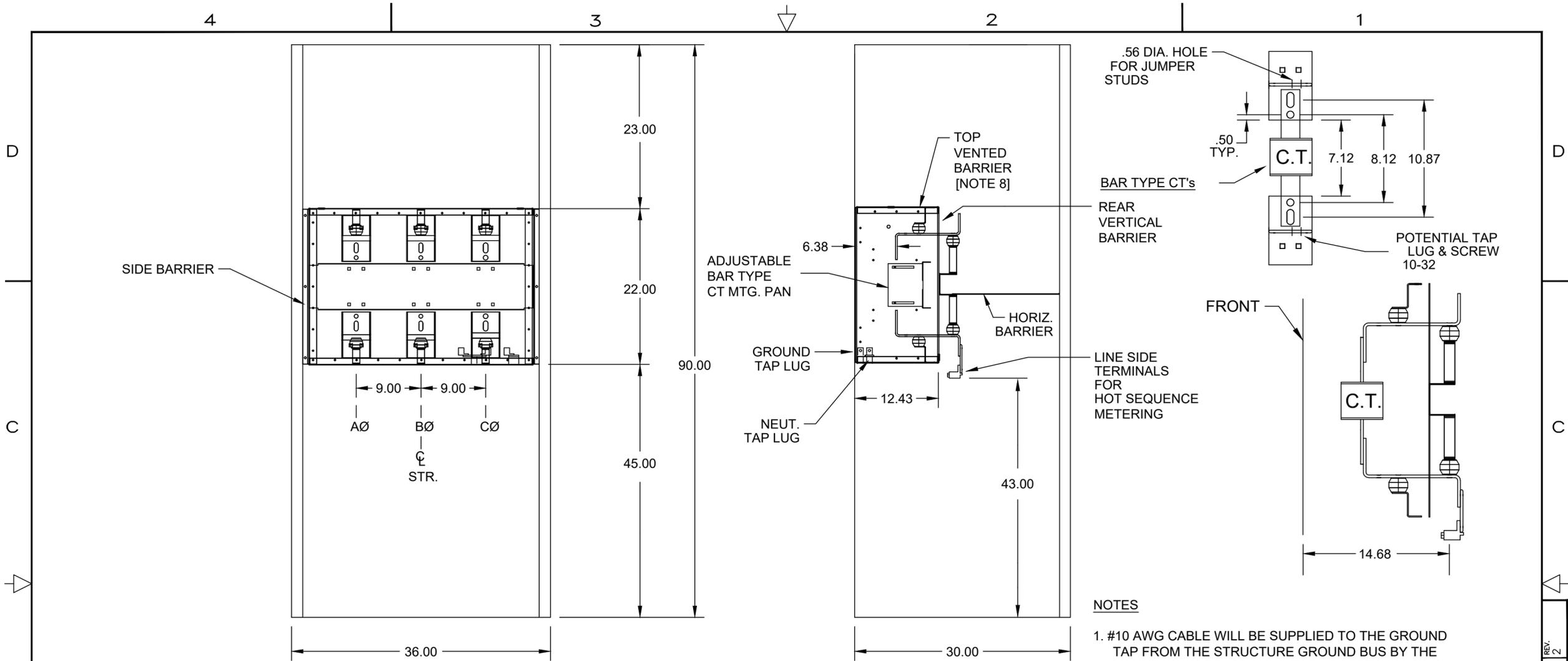
4

3

2

1

DWG. NO. 43C1731 SHEET 3 REV. 2



WILL ACCEPT THE FOLLOWING PRIMARY BAR-TYPE CURRENT TRANSFORMERS.
PRIMARY BAR IS NOT SUPPLIED BY EATON

| ABB | G.E. | ITRON | ASTRA |
|-----|--------|-------|-------|
| CBH | JAK-O | R6B | AA |
| CBT | JAK-OC | R6BA | AB |
| CMF | JCM-O | R6BM | TA |
| CSF | JCT-O | | TAB |
| | JCW-O | | TCB |
| | | | TCW |

800-1200A

STANDARD INCOMING TERMINALS

| AMPERES | CABLE RANGE |
|---------|---------------|
| 400 | (2) #2-500MCM |
| 600 | (2) #2-500MCM |
| 800 | (3) #2-500MCM |
| 1000 | (4) #2-500MCM |
| 1200 | (4) #2-500MCM |

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BOTTOM INCOMING 800-1200A 208Y/120V

**Ameren Approved Switchboard - Eaton/Cutler Hammer CT Compartment
208Y/120V, 800 - 1200A Underground Feed
Reference: Eaton #43C1731 (Sheet 4 of 4)**