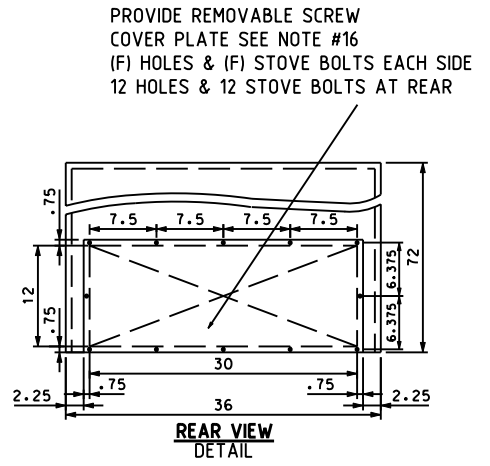
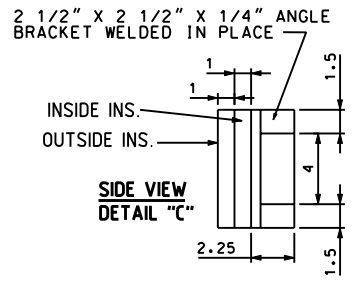
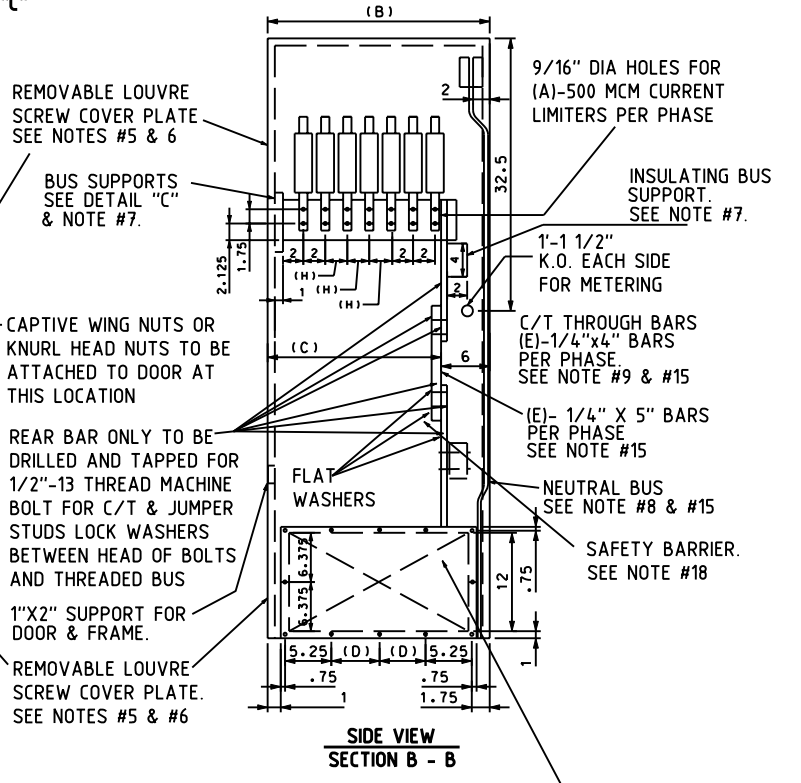
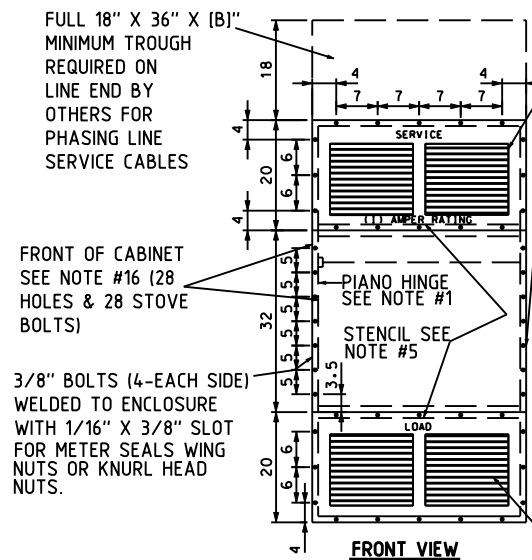
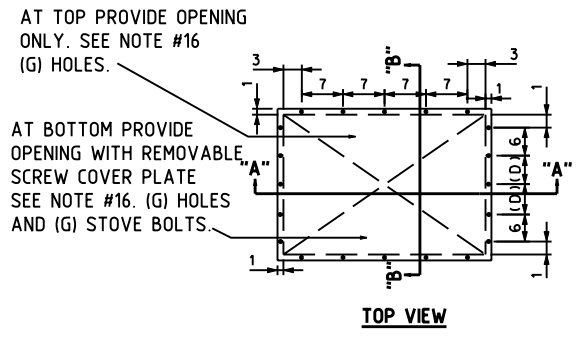
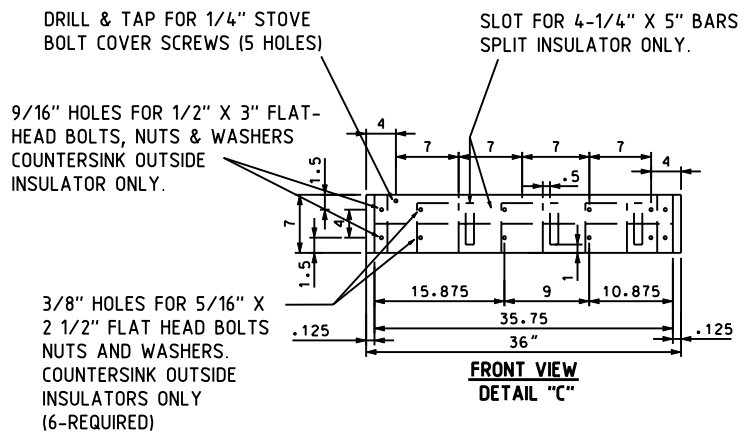


DRAWN: AVI	DVLPED: CEG	DATE: 6-2-65	REVIEWED: JKP	DATE: 5-28-08	APPRVD: MDW	DATE: 5-28-08	NEXT REVIEW: 01-11	REV: B
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POWER DISTRIBUTION STANDARDS

3 PHASE METERING C/T CABINET
1500 & 3000 AMPERE CONTINUOUS RATING



SCHEDULE OF VARIABLES

[I] AMP RATING	[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]
1500	8	14	8	0	2	8	16	0
3000	14	24	18	5	4	12	18	2

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NOTES:

1. THE CABINET IS TO BE 10 U.S.S. GAUGE STEEL. THE JOINTS AND SEAMS SHALL BE WELDED. ALL STEEL PARTS TO BE FINISHED GRAY. PIANO HINGE IS TO HAVE A CAPTIVE HINGE PIN SO THAT CABINET CAN BE REVERSED FOR THE LINE AT THE THE BOTTOM & THE DOOR MAY OPEN TO THE LEFT OR TO THE RIGHT.
2. THE CABINET IS TO BE CONSTRUCTED OF 3/16" X 1" ANGLE IRON. THE FRAME IS TO BE DESIGNED OF EQUIVALENT STRENGTH.
3. THE PLAN OF THE BOTTOM IS TO BE IDENTICAL WITH THE PLAN OF TOP EXCEPT AS SHOWN.
4. THE DIMENSIONS SHOWN ARE THE INSIDE DIMENSIONS OF THE CABINET ENCLOSURE.
5. THE SCREW HOLE LOUVRE COVER PLATES ARE TO BE SYMMETRICAL SO THAT PLATES MAY BE INVERTED WHEN CABINET IS INVERTED. STENCIL WITH 3/4" LETTERING AS SHOWN ON FRONT VIEW.
6. THE LOUVRES ARE TO PROJECT AT LEAST 1/8" AND SHALL BE COVERED WITH 14 MESH INSECT SCREEN.
7. THE INSULATING SUPPORTS SHALL BE NON-CONDUCTIVE AND MOUNTED ON METAL BRACKETS WELDED TO THE CABINET.
8. PROVIDE NON-INSULATED NEUTRAL BUS BARS (4" X 1/4") DRILLED AND MOUNTED AS SHOWN. MOUNTING STUDS AND BOTTOM SUPPORT WELDED IN PLACE. 1-BAR FOR 1500 A & 2-BARS FOR 3000 A CABINET.
9. COPPER THROUGH BARS FOR THROUGH TYPE C/T'S ARE TO BE FURNISHED AS STANDARD EQUIPMENT BY THE MANUFACTURER. (8)5/8" HOLES & (2) 5/16" HOLES FOR EACH BAR AS SHOWN.
10. ALL BOLTS, SCREWS, STUDS, NUTS & WASHERS TO BE 300 GRADE STAINLESS STEEL, SILICON BRONZE OR CADMIUM PLATED STEEL.
11. ADDITIONAL LOAD TERMINAL PLATES AND ALL LOAD LUGS ARE TO BE FURNISHED BY CUSTOMER.
12. ALL CURRENT TRANSFORMERS, CURRENT LIMITERS, AND HYLUGS ARE TO BE FURNISHED BY PHI.
13. THE MANUFACTURER IS TO PLACE TEMPORARY NON-CONDUCTING SUPPORTS UNDER AND OVER THE NON-CONDUCTIVE BARS AS REQUIRED TO PREVENT DAMAGE TO THE BARS DURING TRANSPORTATION.
14. ALL BOLTS TO BE 1/2" HEX. HEAD & ALL BOLT HOLES ARE TO BE 9/16" UNLESS OTHERWISE STATED.
15. ALUMINUM OR COPPER BUS BARS ARE ACCEPTABLE, BUT THE THROUGH BARS MUST BE COPPER.
16. DRILL AND TAP CABINET ONLY FOR 1/4" X 3/8" LONG ROUND HEAD STOVE BOLTS FOR REMOVABLE SCREW COVER PLATES.
17. MINIMUM LINE TROUGH IS 18" X 36" X B, REQUIRED BY OTHERS TO PROVIDE MIN 36" CLEARANCE FOR CABLE PHASING.
18. THE INSULATING SAFETY BARRIER MUST BE INSTALLED AT THE BOTTOM OF THE CABINET LOCATED ABOVE THE LANDING BAR WITH TWO INCH CLEARANCE AWAY FROM THE VERTICAL BUS.
19. CT CABINETS SHALL BE BUILT ACCORDING TO UL 891 REQUIREMENTS.
20. ALL DIMENSION ARE IN INCHES.
21. THE CUSTOMER IS TO PROVIDE OXIDE INHIBITOR GREASE. TO BE APPLIED WHERE THE ALUMINUM BUS BAR CONNECTS TO THE COPPER THROUGH BAR.
22. SEE DRAWING 5-5-0606 FOR TYPICAL DETAIL FOR CURRENT TRANSFORMER MOUNTING.
23. THE WING NUT LATCH FOR PADLOCK TYPE METER SEALS SHOULD BE A 3/8" X 1 1/2" FULL THREADED STANDARD COURSE BOLT. ON THE INSIDE OF THE CABINET, A SPLIT WASHER SHOULD BE SANDWICHED BETWEEN THE HEAD OF A BOLT AND A NUT WHICH IS WELDED TO THE CABINET. ON THE OUTSIDE, IT SHALL BE EXPOSED 3/4" WITH 1/16" X 3/8" SLOT FOR SEAL SHACKLE AND A WING NUT.

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POWER
DISTRIBUTION
STANDARDS

3 PHASE METERING C/T CABINET
1500 & 3000 AMPERE CONTINUOUS RATING