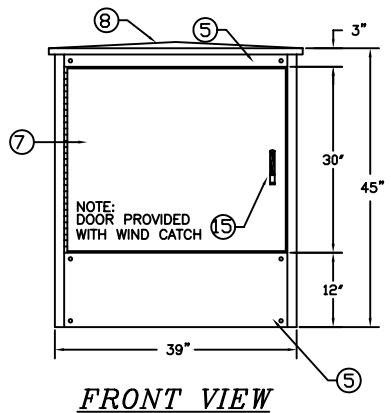
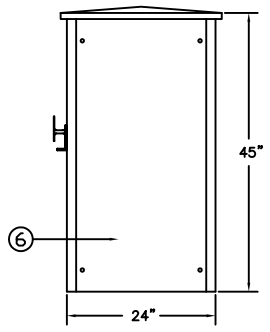
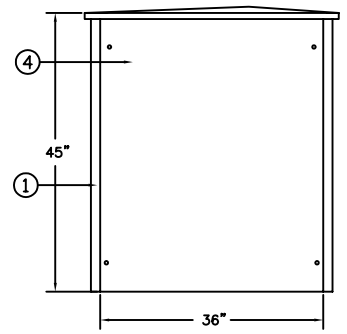


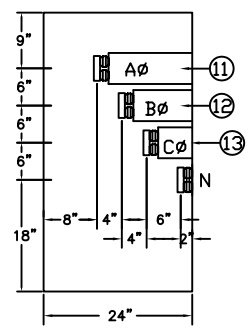
FRONT VIEW



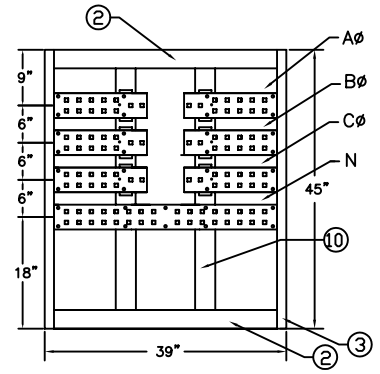
SIDE VIEW



BACK VIEW

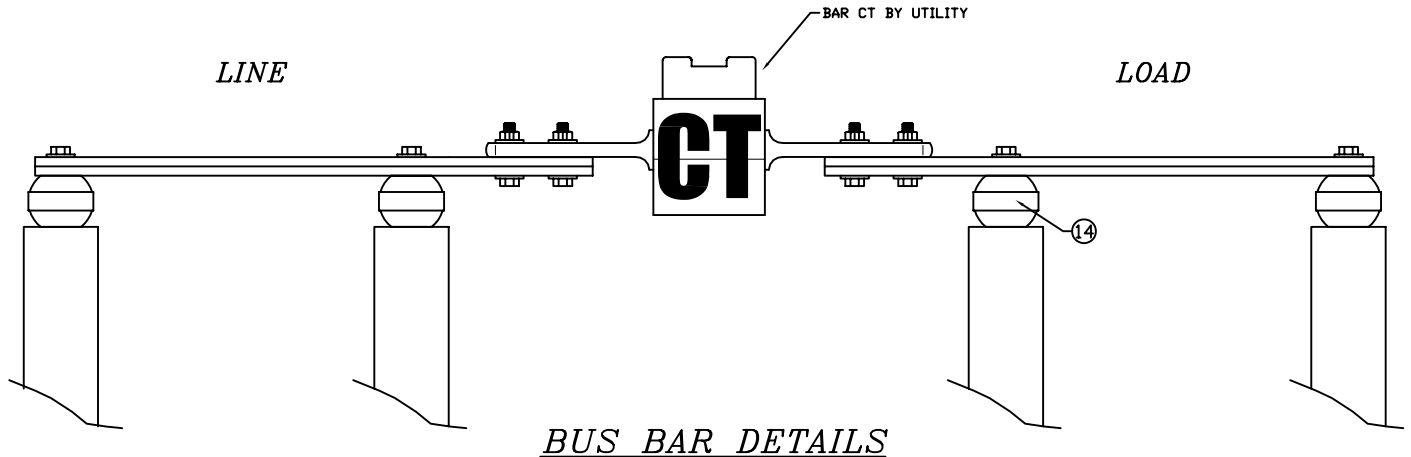


SECTION VIEW A–A

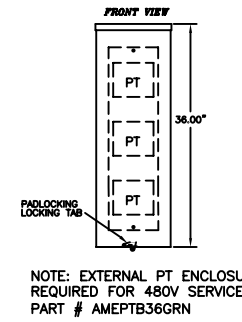


SECTION VIEW B–B

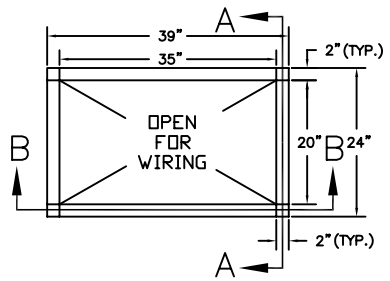
ITEM	QTY	CATALOG NUMBER	DESCRIPTION	SUPPLIER
1	4	FUF45	45" UPRIGHT FRAME MEMBER	AMP
2	5	FFM37	FRONT FRAME MEMBER	AMP
3	4	FSM22	SIDE FRAME MEMBER	AMP
4	1	FFP3645	BACK FILLER PLATE	AMP
5	2	FFP3603F	FILLER PLATE	AMP
6	2	FSP2145	SIDE FILLER PLATE	AMP
7	1	FFP3639H	HINGED DOOR	AMP
8	1	FT3924	ROOF WITH CROSS HATCH	AMP
9	6	FSCTMB	CT MOUNTING BKT.	AMP
10	2	FSBSC	BUS SUPPORT CHANNEL	AMP
11	4	FBMA	Aø BUS BAR STAND–OFF	AMP
12	4	FBMB	Bø BUS BAR STAND–OFF	AMP
13	4	FBMC	Cø BUS BAR STAND–OFF	AMP
14	32	R–1000GR1	STAND–OFF INSULATOR	RICH PLASTIC
15	1	72A/2500–50	PADLOCKABLE HANDLE WITH 3–POINT LATCH	AUSTIN
16				
17				
18				
19				
20				



BUS BAR DETAILS

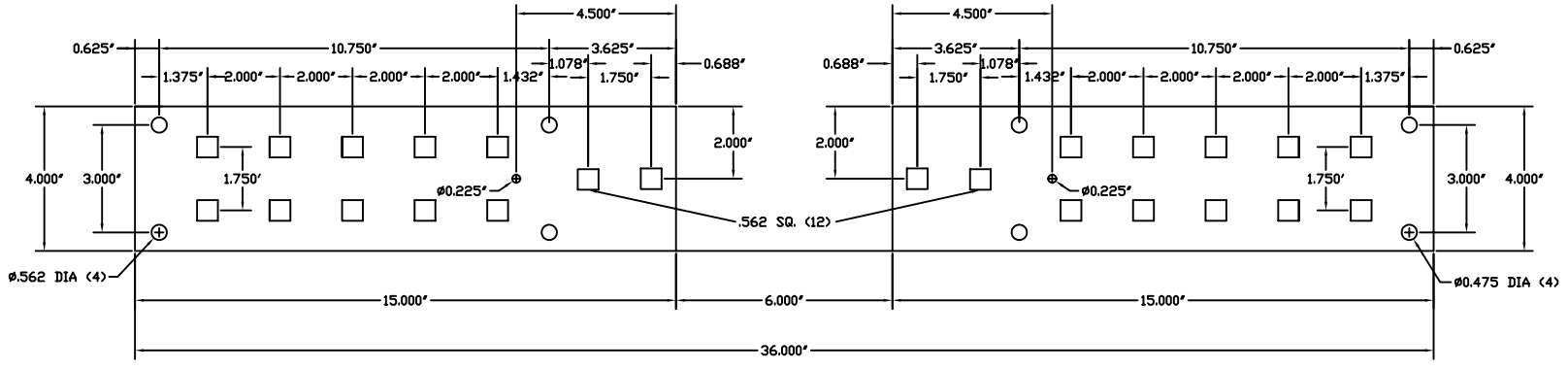


NOTE: EXTERNAL PT ENCLOSURE
REQUIRED FOR 480V SERVICES
PART # AMEPTB36GRN

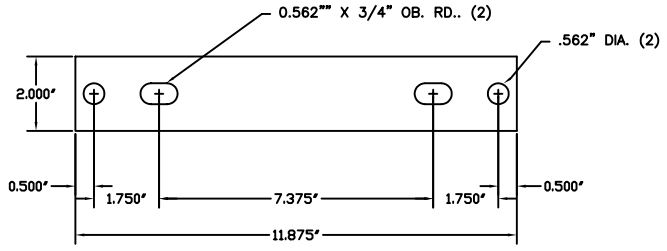


BOTTOM VIEW

ALUMINUM BUS	4" AL			COPPER BUS	4" CU			REQ. LINKS	
AMP RATING	QUAN.	IN^2	A/IN^2	AMP RATING	QUAN.	IN^2	A/IN^2	AL. 1/4" x 2"	
800	1	1	800	800	1	1	800	2	

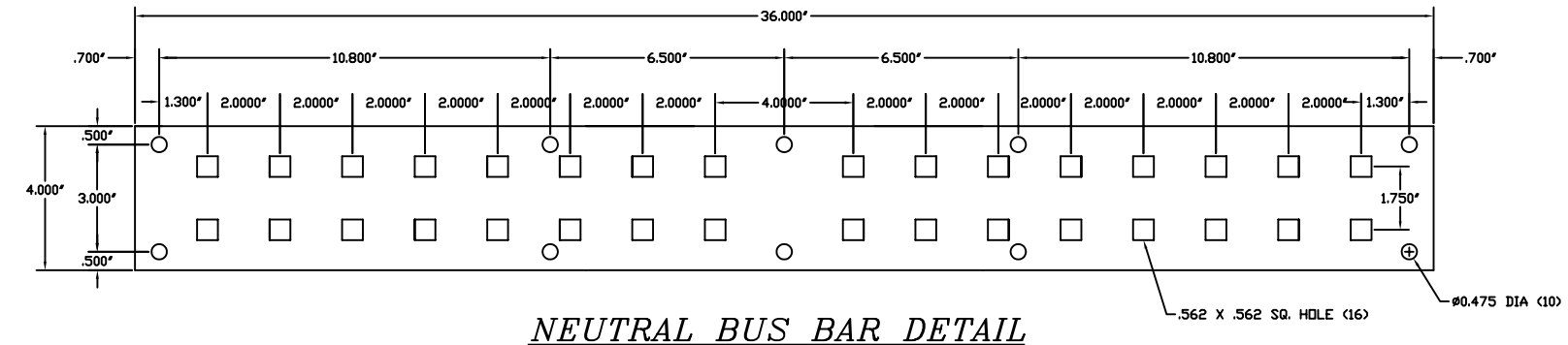


ø BUS LAYOUT DETAIL

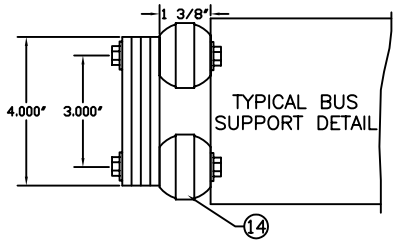


"BAR TYPE CT SPACER"

14 GA GALV. FOR SHIPPING PURPOSES ONLY!



NEUTRAL BUS BAR DETAIL



SPECIFICATIONS

- **CABINET** is free standing NEMA 3R. Frame is 12 gauge steel galvanized steel bolted together and include leveling provisions. All side plates are pan formed galvanized steel and are bolted to the frame with tamper–resistaint zinc plated bolts. Enclosure is primed and painted transformer green enamel.
- **SUPPORTING STRUCTURE** for bus bars is bolted to framework such as that any phase bar can be relocated vertically as required to meet job requirements.
- **BUS BARS** are electrical grade plated aluminum # 6101T65 per ASTM specifictions # B317 supported on 17" centers using double glastic insulators Copper bus available on special order. Current density is 750A/square inch maximum for Aluminum bus and 1000A/square inch maximum for Copper bus. Each bus bar is punched with 16 sets of 9/16" square holes on 2" horizontally and 1 3/4"centers vertically.
- **RATINGS** are 800A, 1000A, & 1200A, at 600V maximum 3ø–4W, 3ø–3W, 1ø–3W. All cabinets with single bus bar configurations (800A CU.) shall be braced for 50,000A RMS amperes short circuit current rating. All multiple bus bars configuration shall be braced for 85,000A RMS amperes short circuit current rating.
- **CONNECTORS** in a range of #2 to 750 MCM are available in set screw type or compression type for field or factory installation. Connectors will be factory installed on right side of bus unless otherwise specified. Up to (12) – 750MCM or (24) – 250MCM conductors can be installed on each side, per bar.
- **PT ENCLOSURE required for 480/277 volt installations, use part #PTB36 VT**
- **MEETS STANDARDS**
  - ETL listed and labled conforms to U.L standard 1773 termination boxes
  - Conforms to NEMA standards
  - Meets National Electrical Code requirements
  - Meets Power Company requirements

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REV.	BY	DATE
ECP		07/06/12

JOB NAME: MN POWER UTILITY APPROVAL DRAWING SERVICE CONNECTION CABINET

TITLE: SERVICE CONNECTION CABINET ' SCC ' W/CT PROVISION 800 AMP

CUSTOMER: MN POWER

DRAWN BY: ECP | DATE: 03/13/12 | DO NOT SCALE DRAWING

APPROVED BY: | DATE: | SCALE: NTS

CUSTOMER NUMBER: .

AMERICAN MIDWEST POWER
3131 VICKSBURG LANE
MINNEAPOLIS, MINNESOTA 55447
P.O. BOX 47036
PHONE (763) 551–1555 FAX (763) 551–9275

DRAWING NUMBER: MNP SCC8–4CT

SHEET: 1 OF 1

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