MILBANK Commercial Pedestals

CP3B "SL" Series

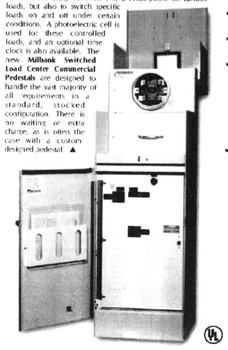
Switched Load Center Series

1Ø 3 wire 120/240 or 208Y/120 volt

Typical applications: Traffic signal, parking lot, highway, & athletic field lighting

Milbank commercial pedestals provide a low-cost, effective alternative to the post-and-strut method of providing site power. No longer will a separate meter section, main disconnect, load center and all the nipples, conduit, wire and labor to connect them be required. These units have a single cabinet with all the required utility terminations, meter sockets with test/bypass provisions, main breakers and customer sections. They are factory wired and UL listed as Industrial Control Equipment (File E113855).

Most commercial pedestals are "custom designed" to provide power for various loads. "SL" Series Commercial Pedestals are designed to not only provide power for various loads, but also to switch specific loads on and off under certain conditions. A photoelectric cell is used for those controlled loads, and an optional time clock is also available. The new **Milbank Switched Load Center Commercial Pedestals** are designed to handle the vast majority of all requirements in a standard, stocked configuration. There is no waiting or extra charge, as is often the case with a custom designed pedestal. ▲



Features:

These units include everything required for remote site service:

- NEMA 3R construction
- Expandable – Load centers allow for future expansion without costly modifications
- All units feature 200 amp meter socket with optional field-installable fifth terminal kit available
- 22K ampere interrupting capacity (KAIC) standard
- Optional mounting base can be embedded in concrete for fast, easy installation
- Separate sealable and lockable utility termination section
- Separate sealable and lockable metering section with the option of:

EITHER

- Milbank ring-type socket with test / bypass blocks (conforms to EUSERC 368)

OR

- Milbank heavy duty ringless socket with lever bypass
- A separate sealable and lockable customer section with:
  - Control circuit including:
    - PE receptacle, Lexan® window and glare shield
    - Hand-Off-Auto (HOA) switch
    - Contactor controlling a 16-circuit load center for controlled loads
    - Pre-mounted DIN rail and pre-wired connector to add an optional "plug and play" time clock kit
    - A circuit directory to document configuration
  - A load center for "always on" loads that includes
    - Main circuit breaker
    - Control power circuit breaker
    - Switched load center main breaker
    - Nine (200 amp model) or twelve (100 amp model) blank breaker spaces
    - A circuit directory to document configuration

CP3B "SL" Series
Stocking Information & Wiring Diagram

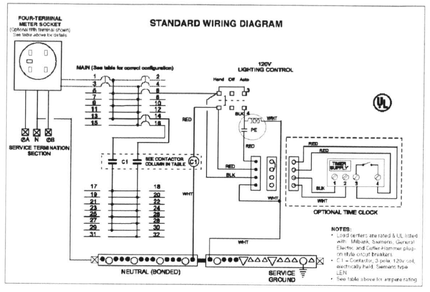
MILBANK

AVAILABLE FOR IMMEDIATE DELIVERY:

CATALOG NUMBER	OPTIONAL FIFTH TERMINAL KIT	MAIN CB AMPS	MAIN CB SPACES	CONTACTOR AMPERAGE	METER SOCKET TYPE
CP3B1110A22SL1	105J	100	(1,3)	60	Ring-type meter socket with test / bypass blocks
CP3B1210A22SL1	105J	200	(1,2,3,4)	100	Ring-type meter socket with test / bypass blocks
CP3B5110A22SL1	K3865	100	(1,3)	60	Ringless heavy duty meter socket with lever bypass
CP3B5210A22SL1	K3865	200	(1,2,3,4)	100	Ringless heavy duty meter socket with lever bypass

Accessories	Description
CP-TCTD	7-day time clock kit
CP-TC24H	24-hour time clock kit
CP-TCWIRE	Male four-pin connector and wiring harness for use with time clocks other than above
105J	Fifth terminal kit for use with ring-type meter sockets
K3865	Fifth terminal kit for use with ringless meter sockets
CP-16PDMNT-CALT	Pedestal mounting base (includes mounting hardware)
CP-ABK58	Anchor bolt kit (includes four 5/8 - 11 x 18" anchor bolts)

STANDARD WIRING DIAGRAM



MILBANK
CP3B "SL" Series Specifications

Commercial Pedestal:

The service pedestal provided shall be Milbank type (**Catalog Number**).

The pedestal shall be of NEMA type 3R rainproof construction and shall be "Listed as "Enclosed Industrial Control Equipment" (UL 508). External construction shall comply with UL50 requirements and shall be of galvanized steel with light green #14672 Federal Specification 595 polyurethane industrial grade powder paint of 1.7 mil minimum thickness. Internal construction shall be galvanized steel and 1.7 mil minimum thickness polyurethane industrial grade powder coat paint or bare aluminum. All external fasteners, rivets, screws and bolts shall be stainless steel. No fasteners except stainless screws shall be removable by external access. Hinges shall be stainless steel and of the continuous piano hinge type.

The pedestal mounting bolts shall not be externally visible or accessible.

The pedestal shall be offered with an optional base designed to be embedded in concrete. Either pedestal mounting base or anchor bolt kit is required for installation.

The service pedestal must have separate isolated sections for metering equipment, utility termination and customer equipment. The metering section must be pad-lockable and sealable and have a hinged outer door, hood with an integral hinged polycarbonate sealable window for access to demand meters. An external nameplate shall be permanently attached to the hood. A stainless steel handle shall be provided on the front exterior of the hood.

The utility termination section must be pad-lockable and sealable and shall have a stainless steel handle provided on a lift-off cover. Sufficient clearance shall be provided for a 4-inch diameter conduit for utility cables. Utility landing lugs shall be UL listed and shall accommodate #6 – 350 kcmil conductors.

The customer compartment door must be pad-lockable and shall have provisions to hold the door in an open position. A print pocket on the inside of the door shall hold all wiring schematics and instructions in a clear, weather-proof sleeve. Required UL labeling shall be located on the inside of the customer door. Distribution and control equipment shall be behind an internal dead-front door with a quarter-turn retaining latch and be hinged to open more than 90 degrees. The deadfront door shall be hinged on the same side as the customer section door.

All distribution and control equipment shall be factory wired using 600 volt wire sized to NEC and UL requirements.

The service pedestal shall be rated **120/240** volt **1Ø 3 Wire** or **208Y/120** volt 1Ø 3 Wire.

Utility requirements for this equipment vary. Always consult the servicing utility for their requirements before ordering or installing this equipment.

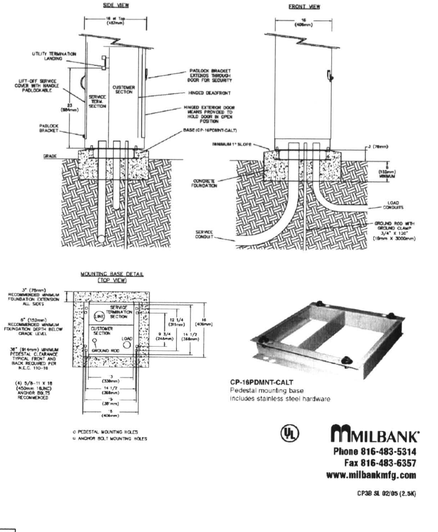
The service pedestal shall be provided with the following equipment:

- A 200 amp **Meter Socket Type** that can be equipped with optional field-installable fifth terminal kit.
- A **Main CB** amp main circuit breaker that plugs onto a 16-circuit unswitched load center. This breaker shall be identified by an engraved plaque.
- The service pedestal shall be rated for operation at **KAIC** amps interrupting capacity. The provided documentation shall list circuit breaker combinations to be used for de-rated operation.
- A 16-circuit load center with all copper bus for loads not to be switched by a photoelectric cell un-switched load center. This load center shall be listed and labeled to accept Milbank, Siemens, Cutler-Hammer and General Electric plug-on circuit breakers.
- A 15 amp plug-on circuit breaker installed on the unswitched load center for providing power and protection for control circuits. This breaker shall be identified by an engraved plaque.
- A pre-wired twist lock photoelectric cell receptacle
- A polycarbonate photoelectric window and a glare shield
- Wiring and connector provisions to add an optional 24-hour or 7-day time clock circuit. Incorporation of the time clock circuit shall be accomplished through a pre-wired connector assembly and shall not require any cutting or stripping of wires or the use of any tools.
- A rotary switch, labeled "Hand-Off-Auto," located inside the exterior door and accessible at the customer section deadfront. This switch shall energize all controlled loads in the "Hand" position, disable all controlled loads in the "Off" position, and permit operation of all controlled loads by the photoelectric cell and time clock, if used, in the "Auto" position.
- A **Contactor** amp plug-on circuit breaker installed on the un-switched load center to provide power and protection for contactor-controlled circuits. This breaker shall be identified by an engraved plaque.
- A **Contactor** amp 3 pole electrically held lighting contactor with 120 volt AC coil. Siemens type LTN to control power to switched loads.
- A 16-circuit load center with all copper bus for loads to be switched by a photoelectric cell switched load center. This load center shall be rated and labeled to accept Milbank, Siemens, Cutler-Hammer and General Electric plug-on circuit breakers.

CP3B "SL" Series
Installation

MILBANK

TYPICAL CONSTRUCTION & INSTALLATION DETAILS



CP-16PDMNT-CALT
Pedestal mounting base
includes stainless steel hardware

MILBANK
Phone 816-483-5314
Fax 816-483-6357
www.milbankmfg.com

CP3B SL 02/05 (2.5K)

REV: 8-8-06

Explanation of Underground Service Pedestal Model Numbers:

CP2B
CP3A
CP3B

1	2	3	4	5	6											
4	1	1	1	2	A	2	2	S	L	C	P	[ ]	–	[ ]	TC7D

1. Meter Sockets

0 = No sockets
1 = 1 ring type socket with test bypass provision
2 = 2 ring type sockets with test bypass provision
3 = 1 ring type socket with 1 w/out test bypass provision
4 = 1 ring type socket w/out test bypass provision
5 = 2 ringless socket with lever test bypass provision
6 = 2 ringless sockets with lever test bypass provision
7 = 1 ringless socket w/out bypass provision
8 = 1 finish meter with manual bypass provision
9 = 1 ringless socket with horn bypass provision

2. Amperage

0 = No sealing
1 = 100amps
2 = 200amps
3 = 125amps
4 = 400amps (Non EUSERC)

3. System Voltage

0 = 120V, 1Ø, 2W (4 Jaw)
1 = 120/240V, 1Ø, 3W (4 Jaw)
2 = 208Y/120V, 1Ø, 3W (4 Jaw = 105J)
3 = 240/480V, 1Ø, 3W (4 Jaw)
4 = 480Y/277V, 1Ø, 3W (4 Jaw = 105J)
5 = 208Y/120V, 3Ø, 4W (7 Jaw)
6 = 240/120V, 3Ø, 4W (7 Jaw)
7 = 240/J, 3Ø, 3W (9 Jaw)
8 = 480Y/277V, 3Ø, 4W (7 Jaw)
9 = 480J/J, 3Ø, 3W (9 Jaw)
A = No meter
B = 600J/347V, 3Ø, 4W (7 Jaw)
C = 600J/J, 3Ø, 3W (9 Jaw)
D = 3H240/J, 1Ø, 3W (9 Jaw)
E = 480Y, 1Ø, 2W (4 Jaw)

4. Service/Main Disconnect

0 = No Main (max 6 disconnect per unit)
1 = (1) Circuit Breaker Main
2 = (2) Circuit Breaker Service Disconnects
3 = (1) T-Fuse Switch Main
4 = (2) Circuit Breaker Service Disconnects
5 =
6 = (1) 4-Pole Main (100A Max.)
7 =
8 = (1) 4-Pole 100A / (1) 2-Pole 100A
A =
B = (2) Circuit Breaker Service Disconnects with Interlock
C = (2) T-Fuse Switch Service Disconnects

5. Distribution Interior

(loadcenters use plug-in style; panelboards use bolt-on style)

A = (2) 4 circuit loadcenters metered, (1) 8 circuit loadcenter unmetered
B = (1) 8 circuit panelboard
C = (1) 24 circuit panelboard
D = (1) 42 circuit panelboard (enclosure types 14 & 4 only)
E = (1) 30 circuit panelboard
F = (1) 16 circuit panelboard
G = (1) 20 circuit panelboard
H = (1) 32 circuit loadcenter
J = No breaker and no branch breakers (Main Only)
K = (1) 4 circuit loadcenter metered, (1)4 circuit loadcenter unmetered
L = Distribution blocks(s) Only
M =
N = Metered and unmetered lug-only breakers
P = Metered lug-only breakers
R = (1) 8 circuit metered, (1) 8 circuit unmetered, (1) 12 circuit metered
T = (1) 8 circuit load center
U = (1) Metered lug-only breaker (Type A)
V = (1) Metered plug-on breaker interior
W = (2) 8 circuit plug-on breaker interior
X = Main (Standard)
Y = (1) 42 circuit load center (Min 30" tall bead front)
Z = (1) 8 circuit loadcenter metered, (1) 8 circuit loadcenter unmetered
2 = (2) 8 circuit loadcenters
3 = (2) 12 circuit loadcenters
4 = (1) 12 circuit loadcenter and (1)8 circuit loadcenter
5 = (1) 16 circuit loadcenter
6 = Lug-only Main & Branch Breakers only
7 = (1) 8 circuit loadcenter, (1) 16 circuit loadcenter
8 = (1) 16 circuit loadcenter
9 = (1) 24 circuit loadcenter
0 = (2) 16 circuit loadcenters

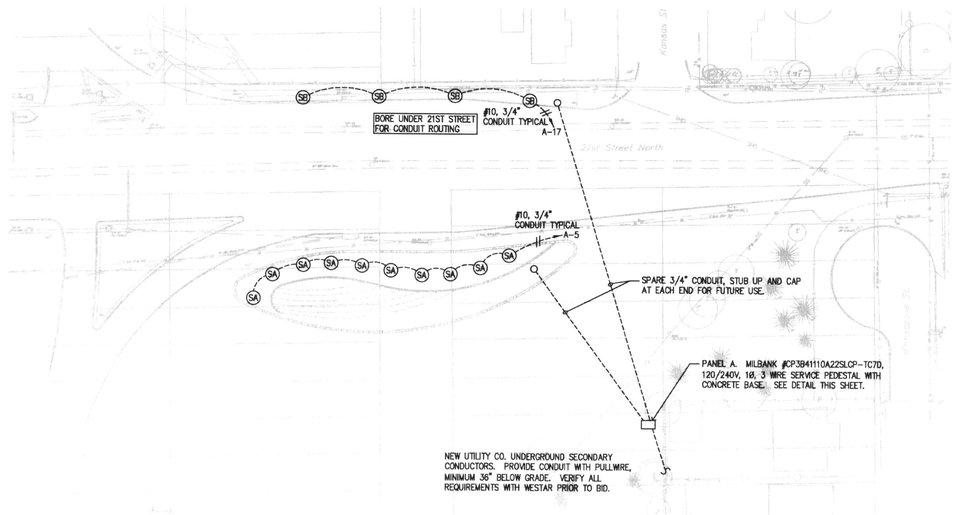
CL = Copper neutral
CS = Cold Sequence
CT = Caltrans
DP = Dayton Power & Electric
EM = Electrico Midwest
KC = Kansas City
KD = Kansas DOT
LV = Las Vegas
MO = MO DOT
PG = Pacific Gas
PR = Prairie Rural Sealing
TX = Texas DOT
(If planned by pedestal type A, C, D or T)
SLX = Switched Load
SPx = Specials
(x = Sequential Number)
Additional suffixes may be used for un-metered purposes.

LIGHT FIXTURE SCHEDULE

ICE

FIXT LTR	MANUFACTURER	CATALOG NUMBER	LAMPS NO.	LAMPS TYPE	FIXT. VOLT.	FINISH	MOUNTING	REMARKS
SB	SUN VALLEY LIGHTING	1–LCLS–TYPE III,175W MH,CS–3327–REV 6 208Y, STANDARD FINISH CS–3327	1	175W MH	208	BLACK	POLE	
SA	KIM	CFL1–50MH120–BL–P–JBR3	1	50W MH	120	STANDARD	IN GROUND J–BOX	

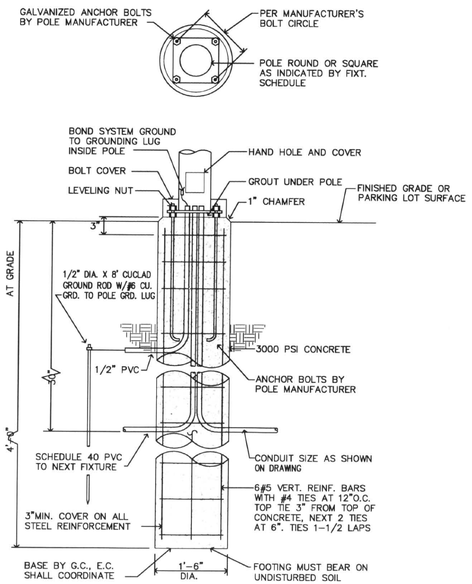
PANEL A
MILBANK LIGHTING CONTROL PEDESTAL WITH 1 UNSWITCHED AND 1 SWITCHED 8 CIRCUIT LOAD CENTER. UNSWITCHED LOAD CENTER TO HAVE (2) 20/1 BREAKERS AND SWITCHED LOAD CENTER TO HAVE (2) 20/2 AND (1) 20/1 BREAKERS. PROVIDE UNIT WITH PHOTOCELL AND 7 DAY TIMECLOCK. VERIFY ALL REQUIREMENTS WITH MANUFACTURER AND WESTAR PRIOR TO BID. PROVIDE CONCRETE BASE AND MOUNTING PER MANUFACTURER'S RECOMMENDATIONS.



ELECTRICAL SITE PLAN

SCALE: 1" = 20'

NORTH



POLE BASE DETAIL

N.T.S.

PRINTED JOHN V. MAIER 11701 10-7-08 KANSAS PROFESSIONAL ENGINEER

08116.00–041

Integrated Consulting Engineers, Inc.
2604 W 9th St • Ste. 160 • Wichita, KS 67203
316.264.3585 • 316.264.3948 • icengineers.net

21st STREET STREETSCAPE- I-135 TO GROVE

ELECTRICAL SITE PLAN

WICHITA, KANSAS

Ruggles & Bohm, P.A.
Engineering, Surveying, Land Planning
924 North Main
Wichita, Kansas 67203
www.rbkansas.com
(316) 264-8008
(316) 264-4621 fax
E-mail: info@rbkansas.com

DESIGN	ICE
DRAWN	ICE
REVIEW	ICE
UTILITY	ICE
DATE	October 2008

DRAWING FILE

PROJECT NUMBER 472–84728

RB JOB 32780

SHEET E1 OF 16