

# *Appendix B*

## *Exhibits, Figures and Illustrations*

## Exhibit 1

### SWBT Standard Interconnection Arrangement Panels and Blocks

CIPP POWER PANEL PECO II P/N 6170085P	7" HIGH
CIPP POWER PANEL PECO II P/N 6170085P	7" HIGH
FILLER PANEL W/ LABEL	2" HIGH
DIGITAL INTERCONNECTION (DS1) 84 PORT ADC DD1-31151	4" HIGH
FILLER PANEL W/ LABEL	2" HIGH
DIGITAL INTERCONNECTION (DS1) 84 PORT ADC DD1-31151	4" HIGH
FILLER PANEL W/ LABEL	2" HIGH
DIGITAL INTERCONNECTION (DS1) 84 PORT ADC DD1-31151	4" HIGH
FILLER PANEL W/ LABEL	2" HIGH
VF/DSL DS0 PANEL (500 PAIRS) ADC QCP-W10X20-5	6" HIGH
VF/DSL DS0 PANEL (500 PAIRS) ADC QCP-W10X20-5	6" HIGH
VF/DSL DS0 PANEL (500 PAIRS) ADC QCP-W10X20-5	6" HIGH
FIBER OPTIC TERM PANEL (12 FIBER PAIRS) SIECOR LDC-CMH-072	7" HIGH
DS3 PANEL (24 PORTS) ADC D3C-234001	4" HIGH
DS3 PANEL (24 PORTS) ADC D3C-234001	4" HIGH
FILLER PANEL W/ LABEL	2" HIGH

SWBT Provided Interconnect Bay Example

## Exhibit 2

### Example – Collocator Equipment Bay Front Elevation

CIPP POWER PANEL PECO II P/N 6170085P (SWBT PROVIDED)	7" HIGH
CIPP POWER PANEL PECO II P/N 6170085P (SWBT PROVIDED)	7" HIGH
FILLER PANEL W/ LABEL (VENDOR)	2" HIGH
DIGITAL INTERCONNECTION (DS1) 84 PORT (VENDOR PROVIDED)	4" HIGH
FILLER PANEL W/ LABEL (VENDOR)	2" HIGH
DIGITAL INTERCONNECTION (DS1) 84 PORT (VENDOR PROVIDED)	4" HIGH
FILLER PANEL W/ LABEL	2" HIGH
DIGITAL INTERCONNECTION (DS1) 84 PORT (VENDOR PROVIDED)	4" HIGH
FILLER PANEL W/ LABEL (VENDOR)	2" HIGH
VF/DSL DS0 PANEL (500 PAIRS) (VENDOR PROVIDED)	6" HIGH
VF/DSL DS0 PANEL (500 PAIRS) (VENDOR PROVIDED)	6" HIGH
VF/DSL DS0 PANEL (500 PAIRS) (VENDOR PROVIDED)	6" HIGH
FIBER OPTIC TERM PANEL (12 FIBER PAIRS) (VENDOR PROVIDED)	7" HIGH
DS3 PANEL (24 PORTS) (VENDOR PROVIDED)	4" HIGH
DS3 PANEL (24 PORTS) (VENDOR PROVIDED)	4" HIGH
FILLER PANEL W/ LABEL (VENDOR)	2" HIGH

Vendor Provided Interconnect Bay

**Exhibit 3**  
**SWBT STANDARD INTERCONNECT PANEL/BLOCK FRAME**  
**COMPONENTS**

DESCRIPTION	
<b>INTERCONNECT BAY FRAMEWORK (Unequal Flange Eqpt Rack)</b>	
<b>OPTION 1A</b>	
Consists of One (1) seven foot (7'-0") Collocator's Interconnect bay framework equipped with (E/W) a 5 inch front guard rail and a 2 inch rear guard rail, zone 4 anchors, bay ground lead assembly, rear cable brackets and other cable management accessories.	
<b>OPTION 1B</b>	
Consists of one NEBS Compliant lockable Collocator's Interconnect Cabinet with integral 7 foot bay framework with all miscellaneous cable management accessories.	
<b>COLLOCATOR'S INTERCONNECT BAY POWER</b>	
Each Configuration will require a Option 2A and one of the following: Option 2B, 2C, 2D, 2E, or 2F.	
<b>OPTION 2A</b>	
E/W: (2) 0 - 60 DC-type fuse blocks (1) switchable ammeter for Load A & B (1) 10 position GMT fuse block assemblies (2) 100 amp shunts for remote monitoring (1) two hole discharge ground bar assembly (1) fuse alarm PWB with relay for connecting to C.O. alarms, form C contacts and LED for Load A & B (1) Spare fuse holder Mounted on a panel to be mounted in a 23 inch relay rack. Height of panel is 6 inches.	

DESCRIPTION	
<b>OPTION 2B (20 AMP LOAD for 40 AMP TOTAL)</b>	
One Model 6170021-P Peco II Power Panel, consisting of a two-load distribution panel. (3) 30 Amp Fuses	
<b>OPTION 2C (40 AMP LOAD for 80 AMP TOTAL)</b>	
One Model 6170021-P Peco II Power Panel, consisting of a two-load distribution panel. (3) 60 Amp Fuses.	
<b>OPTION 2D (50 AMP LOAD for 100 AMP TOTAL)</b>	
One Model 6170021-P Peco II Power Panel, consisting of a two-load distribution panel. (3) 60 Amp Fuses.	
<b>OPTION 2E (100 AMP LOAD for 200 AMP TOTAL)</b>	
Two Model 6170021-P Peco II Power Panels, consisting of a two-load distribution panel (x2). (6) 60 Amp Fuses.	
<b>OPTION 2F (200 AMP LOAD for 400 AMP TOTAL)</b>	
Four Model 6170021-P Peco II Power Panels, consisting of a two-load distribution panel (x4). (12) 60 Amp Fuses.	
<b>DS1 TERMINATIONS</b>	
<b>OPTION 3</b>	
(1) 84 circuit ADC DD1-31151, Digital Interconnect Type Panel, E/W 5 Movable Test Jacks for interconnecting SWBT's equipment to the Interconnector's equipment	
<b>DS3 TERMINATIONS</b>	
<b>OPTION 4</b>	
(1) 24-module ADC package, D3C-234001 Chassis and D3M-BM2001 Modules for DSX-3 type panel, for interconnecting SWBT's DS3/STS1 to the Interconnector's equipment. Rear-Rear connections with dual monitor (both directions on front side)	

DESCRIPTION	
<b>VG TERMINATIONS &amp;/OR TIMING LEADS</b>	
<b>OPTION 5A</b> (Material required for Voice Grade & timing circuits)	
(1) Tie pair mounting bracket	
(1) Transition bracket	
<b>OPTION 5B</b> (VG Blocks)	
(1) ADC QCP-W10X20-5 provides for 500 cable pairs in five 100 pair blocks placed on a single 6" high panel. Each block has an independent group and will permit cabling or ADSL/xDSL technologies in addition to VG/DS0 services. Can be used in multiple panel arrangements up to 7000 pairs per seven-foot Collocator's Interconnect bay.	
<b>OPTION 5C</b>	
(1) Filler Panel Assembly (# determined by empty block positions)	
<b>OPTION 5D</b> (Timing Blocks - two (2) max. per Collocator's Interconnect frame)	
(2) Timing blocks (red) for 50 two wire circuits each (100 total)	
<b>FIBER TERMINATIONS</b>	
<b>OPTION 6A</b> (Fiber Distributing Frame Panel)	
(1) Siecor LDC-CMH-072 panel which supports 6 rings (12 modules per panel).	
<b>OPTION 6B</b>	
(1) Siecor Dual Module 1x2 90/10 ST-UPC Splitters supports one fiber pair, two required for one ring (primary and protect), LDC-21B-B-61-SB.	
<b>OPTION 6C</b>	
(1) Siecor Terminator Plug, ST-UPC per fiber lead, two per fiber pair on Monitor Jacks	
<b>TESTING EQUIPMENT &amp; MISC.</b>	

**COLLOCATOR'S INTERCONNECT FRAME COMPONENTS (CONT'D)**

<b>TESTING EQUIPMENT &amp; MISC. (CONT'D)</b>	
<b>DS1 TESTING KIT</b>	
<b>OPTION 8</b> ADC DD1-100005 Jack Access Card. (Within existing panel there are 5 movable Jack Access Cards in the panel). Additional cards allow Bantam jack access for intrusive bi-directional testing.	

## **SWBT Provided Collocation Cabinet**

### **I. Cabinet Description**

Collocation cabinets are described as equipment framework constructed of a structural assembly enclosed by sidepanels and doors. Cabinet structure is fabricated with corner steel members welded or bolted to a steel base and top. Side sheetmetal panels are fastened to structural frame when used as stand alone unit or panels may be removed when cabinets are installed side by side. Front and rear doors are fastened to the frame with reversible hinges. Collocation cabinets are designed in modular fashion to permit a number of configurations for specific applications. Equipment mounting details include movable mounting rails that adjust horizontally forward and backward

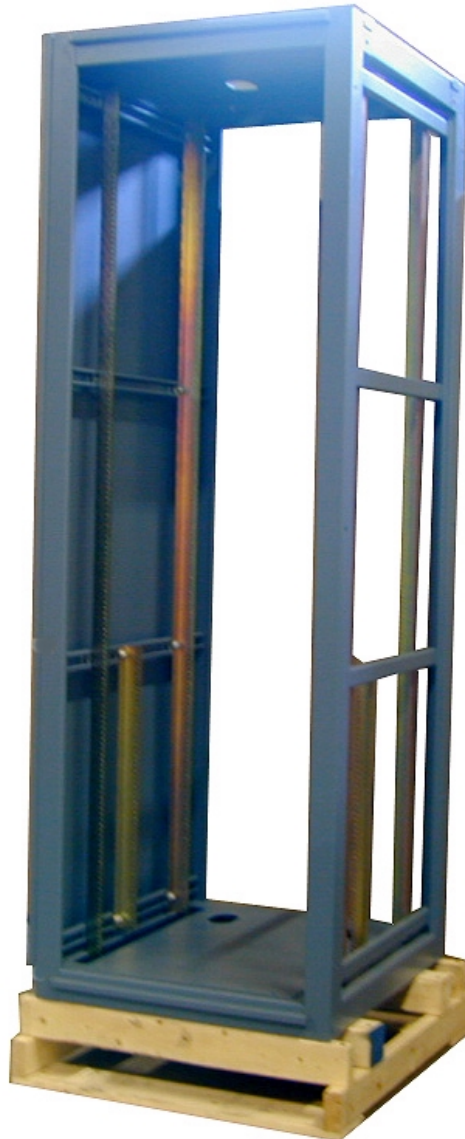
Collocation cabinets are designed to be installed in equipment areas on the building floor and secured to the floor with concrete anchors or when located on top of a raised floor system are secured with threaded rods to the building floor. No overhead securing is required or recommended. Cables may be routed into the cabinet from overhead or from under the floor as required.

Collocation cabinets are utilized in place of open frameworks such as unequal flange or network bay frames when greater security is desired or products housed are larger than what can be placed in open frameworks. Collocation cabinets will be provided with lockable doors.



**Figure 1**

**7' Collocation Cabinet  
(Shown with internal mounting rails and without doors and one side panel)**



**Figure 2**

**7' Collocation Cabinet  
(Shown with louvered door and lock)**



**Figure 3**

**7' Collocation Cabinet  
(Shown with doors, side panels and internal mounting rails)**



## II. Engineering Considerations

Collocation cabinet dimensions are deeper and wider than open equipment framework and require greater floor space. Additional floor space will be necessary in front and rear aisles for door swing clearance. Collocation cabinets may require establishing equipment lineups exclusively for cabinets of similar dimensions and their aisle needs. Collocation cabinets provided by SBC will occupy either 28 inches or 32 inches depth and 28-1/2 inches width. Minimum aisle requirements for door swing will be 26 inches. Usual dimensions for open framework is 12 inches depth and 26 inches width. **This adheres to the standard spacing for a Cabinet area which is reflected within a 36" by 36" footprint area.**

Cable management details for Collocation cabinet applications may require providing cable rack arrangements more appropriate for cabinet cable entry locations. Cabinets will have cable openings at top of cabinets accessible by removing a cover plate. Openings have been prearranged to be located 4-1/2 inches from front of cabinet. Cables fed into cabinet from overhead cable racks will be brought down unsupported until reaching inside the cabinet. At that point, the cables may be secured to side railings inside the cabinet. Cable should not run unsecured for length greater than 3 feet distance.

Equipment to be mounted in Collocation cabinet shall be secured to vertical mounting rails provided inside cabinet. One pair of rails will be positioned in the front of the cabinet and another pair further towards the rear. Each set of rails are adjustable horizontally for forward or backward positioning. Rails are moved to accommodate depth of mounted equipment. Mounted equipment that are deeper than 12 inches should have two sets of mounting brackets for securing equipment to front and rear rails. Optional equipment trays attached to rails may also be used to mount equipment if brackets are not available. Mounting rails are drilled and tapped for 12-24 mounting screws.

For applications in "High Seismic Risk" (Zones 3,4) locations Collocation cabinet designed for the severe environment shall be applied. Zone 4 cabinets are available for these applications. Zone 4 cabinets may also be used in "Low Seismic Risk" locations where stronger cabinet may be necessary. Maximum equipment weight to be installed in all cabinets shall not exceed 500 pounds.

## II. Installation Considerations

This product has the following installation considerations:

All cabinets shall be installed direct to building floor and secured with floor anchors. Cabinets are provided with casters for moving unit into room but should not be left on casters when equipment is placed into service. Casters shall be removed and cabinet leveled with corner leveling screws before securing. In general, for "low seismic risk" locations Collocation cabinets shall be secured with four Hilti 1/2" HDI concrete anchors. For "high seismic risk" locations Collocation cabinets shall have leveling screws removed and then secured to building floor with four Hilti 12mm HSL concrete anchors.

**III. Cabinet Specifications**

7' Height , 32" deep Cabinet includes:

Main Frame, made from C4 welded construction.

Overall dimensions 28.5"w x 32"d x 90" h (Inside dimensions 23.5" w. x 84"h.).

2 pairs 84" mounting rails, drilled and tapped 12-24 on both sides, yellow zinc plated.

1 pair 21" mounting rails, yellow zinc plated.

2 side panels, removable from the outside.

2 metal doors, louvered top and bottom 2" each with recessed handle and lock

Set of casters, black hard rubber, 1100lbs. Capacity, 2 w/wheel lock, 2 w/o lock.

One set leveling feet.

Cabinet top to include 3 fan cutouts with cover plates and 2 slots 4" x 2.5", located 4.5" from front of cabinet.

Removable base plate with 2 slots aligned with top slots.

**Options:**

Plexiglass door with handle and lock for 84" cabinet.

Additional mounting rails