

	<p>Special Eligibility Conditions: WAN Versus LAN Components Lease of Wide Area Network Infrastructure</p>	
<p>Wireless Internet Access (Internet Access)</p>	<p>Description: Wireless Internet access provides connectivity to the Internet via wireless technology.</p> <p>Eligibility: A wireless service that provides Internet Access or Internet-based e-mail to eligible locations is eligible under the same provisions as wired access to the Internet, if the wireless service is the most cost effective means of accessing the Internet or obtaining Internet-based e-mail. Please see the Special Eligibility Condition below for further information.</p> <p>Special Eligibility Conditions: Wireless Components</p>	
<p>Eligibility Requirements for All Internal Connections: Internal connections are components located at the applicant site that are necessary to transport information to classrooms, publicly accessible rooms of a library, and to eligible administrative areas or buildings. Internal Connections include connections within, between or among instructional buildings that comprise a school campus or library branch, but do not include services that extend beyond the school campus or library branch. For further information, see the Special Eligibility Condition for "Eligible Users and Locations" and for "WAN Versus LAN Components."</p> <p>Some products may contain both eligible and ineligible features. In general, funding requests that provide only a single price for both eligible and ineligible features are fully ineligible. However, cost allocation may be used to provide separated pricing for the eligible and ineligible components. However, in limited cases, if such functionality is an integral component part, is not separately priced, and constitutes only an ancillary feature, the full cost of the component can be eligible. For further information in determining whether cost allocation is required, or whether a feature can be considered ancillary, see the Special Eligibility Conditions for "Cost Allocation" and for "Ancillary Use."</p>		

A functional category is provided in parentheses for each Internal Connections entry. A description for these additional categorizations is provided in the Special Eligibility Condition for "Functional Categories for Internal Connections."

Product Type (Function)	Description	Eligibility
Access Point (Data distribution)	<p>Description: An Access Point is a base station in a wireless LAN. Access points are typically stand-alone devices that may plug into an Ethernet hub or server, or may provide a repeater function for wireless networks.</p> <p>Eligibility: An access point provides for wireless networks what cabling provides for wired networks. Therefore, access points are "an essential element in the transmission of information within the school or library." Note, however, that eligibility is based on Internal Connections, i.e., use in a LAN (not a WAN) environment.</p> <p>Special Eligibility Conditions: WAN Versus LAN Components</p>	
Antenna (Interfaces, gateways, antennas)	<p>Description: An antenna is a device for transmitting and/or receiving radio frequency signals.</p> <p>Eligibility: Antennas provided as part of Wireless Local Area Networks (LANs) are eligible for discount if they are separately priced on a contract or are sold separately. Antennas embedded in ineligible equipment, such as computer workstations, and not separately priced on a contract, are not eligible.</p> <p>Antennas used for the receipt of over-the-air radio and television broadcast signals, or radio signals from cable television operators, are not eligible. Antennas used for Wireless Wide Area Networks (WANs) are not eligible as Internal Connections, but may be eligible when leased as a part of Telecommunications Services or</p>	

	<p>for discount. If the ineligible components are not available separately, the full product may be eligible for discount, but only if the conditions for ancillary use apply. Please see the Special Eligibility Condition below for further information.</p> <p>Special Eligibility Conditions: Ancillary Use</p>	
Processor terminator card (Circuit cards/components)	<p>Description: A processor terminator card is a device installed in a multi-processor computer to signal the computer that only one processor is installed.</p> <p>Eligibility: The processor terminator card is eligible if installed in an eligible server.</p>	
Proxy server (Computers)	<p>Description: A proxy server is a device that sits between "trusted clients" (e.g., workstations inside an organization) and "untrusted clients" (e.g., the Internet) and provides security features and oftentimes address translation. To the untrusted clients, communication appears to be taking place with the proxy, even though the communication is passed through, to and from the trusted clients.</p> <p>Eligibility: A proxy server is eligible for discount if it provides basic and reasonable security protections to prevent unauthorized access to the information, software, and systems of an applicant's eligible components.</p>	
Public Address (PA) System (Intercom and voice paging)	<p>Description: A Public Address system allows the user to make announcements through the use of amplifiers and speakers.</p> <p>Eligibility: A Public Address system, which is a stand-alone system and not integral as a bundled component of a PBX, Centrex or key system, is not eligible for discounts.</p>	Not Eligible
PVBX	Description:	

<p>(Video Components)</p>	<p>A PVBX or Private Video Branch Exchange is a video PBX. The PVBX integrates the functionality of a PBX by providing video integrated into the switching matrix of the PVBX. The PVBX acts as a video distribution system linking classrooms and administration as well as traditional PBX methodologies.</p> <p>Eligibility: A PVBX follows the same eligibility requirements as a PBX—in general, it is eligible for discount. See the listing for PBX for detailed eligibility information.</p>	
<p>Racks and Cabinets (None)</p>	<p>Description: A rack is a metal supporting framework for mounting cables, equipment or wires. A cabinet is an enclosure for equipment, terminating cables, connection devices and/or wires.</p> <p>Eligibility: Racks and cabinets are eligible only to the extent that the components they contain are eligible.</p>	
<p>Remote Access Components (Computers)</p>	<p>Description: Remote access components, such as a remote access router or communications server, provide one or more interfaces that allow dial-up or remote access to a network.</p> <p>Eligibility: Components that are capable of providing remote access can be eligible if steps are taken to ensure that only eligible entities, from eligible locations, will have the capability to access them. Remote access cannot be available from homes or other non-school or non-library sites. Applicants are required to provide a signed and dated certification that this condition is met.</p> <p>The required certification is as follows: “The remote access equipment for which I seek discounts either will not be used to provide remote access in the funding year or, if it is to be used remotely, I will take steps to ensure</p>	

	<p>Internet Access category of service (for any service provider). In addition, voice mail equipment may be requested in the Internal Connections category of service. However, end-user products such as answering machines are not eligible for discount.</p>	
<p>Voice over IP (VoIP) Service (Miscellaneous)</p>	<p>Description: Voice over IP (VoIP), IP telephony, and related service offerings all employ a technology to transmit voice conversations over a data network using the Internet Protocol. Similar Internet protocols can be used to provide video services.</p> <p>Eligibility: IP-enabled services are the subject of an open proceeding at the FCC to determine, among other things, whether certain types are telecommunications services. Pending FCC action with respect to specific services, such services are not eligible for funding.</p>	<p>Not Eligible</p>

Title:	Condition:
Ancillary Use	<p>If a product or service includes ineligible functionality, then, in general, the proportionate cost of this functionality must be removed from funding requests through a cost allocation process. However, in certain limited cases, if any ineligible functionality is strictly ancillary to the principle uses of the product or service, the full product or service may be eligible for discounts.</p> <p>The following conditions are considered when evaluating whether ineligible functionality is ancillary: (1) The package represents the most cost-</p>



What every school wants, a PVBX.

Imagine a teacher being able to chat with the principal, watch children playing in the playground, or view and control a movie without leaving the classroom.

A PVBX or Private Video Branch eXchange is a Video PBX or switch. A PVBX links classrooms and offices through a switch matrix. Cameras, Monitors, VCR and other video devices can all be interconnected. (From SLD Erate Eligible Service List)

The PVBX switch is controlled by Web based software. Any Internet capable computer can control the switch. It's very simple and intuitive to use. The switch has 32 inputs and 32 outputs that can all be controlled and connected independently. Up to four PVBX switches can be ganged to build a huge array for a large Campus.

Security is built in, to limit who, how and when the switch can be controlled. There are seven ways the switch can be used in a school environment. Any or all of the modes can happen simultaneously.

Seven Reasons You Should Have A PVBX

1. Point to Point Connections

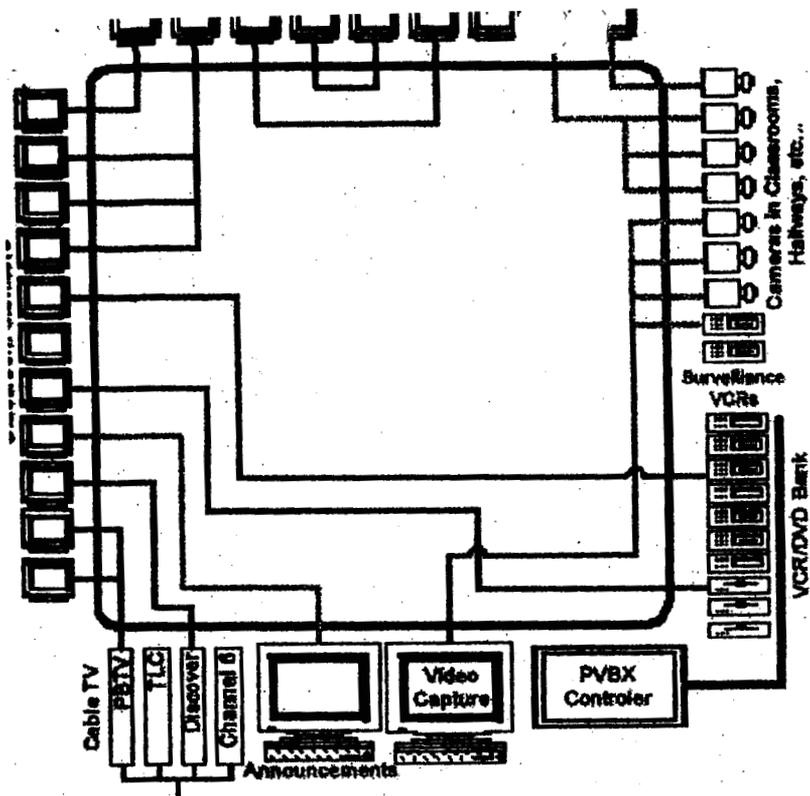
Any camera can be connected to any monitor or group of monitors. The camera-monitor connections are made inside the PVBX switch and controlled by any network PC using simple web based software.

Any two rooms can be connected. Multiple rooms can be connected to a single camera for announcements. Examples might be; video connection between teachers in classrooms or the superintendent making an announcement to high school classrooms or every classroom and office in the system.

2. Surveillance

Surveillance is a powerful tool in detecting and solving theft, vandalism and misbehavior. Any camera or sequence of cameras can be recorded or viewed at any monitor with security clearance.

Camera sequences can be customized to automatically recorded at preset times, view and record parking lots and hallways at night and record assembly areas during school hours.



3. Multimedia

VCR and tapes wheeled on carts from classroom to classroom are time consuming to setup and easily tampered with or stolen.

Now you can centrally locate all your media. The sixteen-shelf rack that holds the PVBX and players is typically located in the Library or Media Center.

Any video device can be watched in any classroom. Stop, play, pause, forward and rewind functions are controlled by the classroom PC without the need for a separate remote control.

Add VCRs, DVDs, DSSs, Cable Boxes and other media devices. Thousands of device control codes available, plus the ability to learn new ones.

A pick list on the library PC shows the librarian what media to load ahead of time.

4. Video Capture

Watch the parking lot or classroom over the internet. Any camera or sequence of cameras can be connected to a video capture PC through the PVBX. The capture card converts the camera signal into a format suitable for viewing on a PC. This PC is connected to your network and the Internet. The camera output can now be seen on any PC on your network or Internet. You will need a Pentium PC or better with an inexpensive video capture card.

5. Announcements

Turn every school monitor into a message center. Display lunch menus, important events, even show a video clip of last Fridays winning touchdown with audio.

Any PC with a computer to TV converter can display Power Point presentations, Word documents, video clips or anything you can generate with a computer into a format viewable on a TV. The PVBX can display the results to any monitor or group of monitors at preset times of the day.

6. TV Access

The PVBX can limit what cable channels are available on any TV monitor in the system.

Channel modulators connected to the cable TV input strip each channel you want available. For example if you want, The Discovery Channel, TLC, PBS, and local channel 6 as the accessible channels. Then four modulators would separate these channels from the cable TV and connected them to four separate PVBX inputs. PC control of the PVBX can set which channels are available at each classroom and office.

7. Emergency Mode

Select Emergency mode and the classroom's camera is automatically connected to a predetermined group of monitors and even recorded on a surveillance VCR.

Gives the Superintendent, Principal, Medical and Security Staff the ability to react faster to an emergency.

**We can give you a hands on demonstration of the entire system,
using the web and windows media streaming.
Call 1-800-253-4001 to arrange a live demonstration.**

Get up to 90% off this E-rate Eligible Service

The PVBX switch is an E-rate item for funding Year 6. Get up to a 90% discount by applying before January 2003. Your discount is set by the percentage of free and reduced lunches you provide. Cost for a complete system varies with the number of monitors, cameras and equipment you already own. E-rate discounts apply to the switch, cabling and rack.

Click For More Information:

**[Cabling Information](#) | [PVBX Specifications](#) | [Software Overview](#)
[PVBX Pricing](#) | [E-Rate Eligibility](#) | [Sample Quotes](#)**

**Call 1-800-253-4001
or e-mail: info@pvbxswitch.com
for any questions or help.**

Innovative Technology, Over twenty years helping schools

Established in 1981, Innovative Technology, Ltd. (ITL) has grown with the industry in providing service and solutions for personal computers, networks, cabling, internet, and custom programming. Our customers range from business to schools to municipalities. If you would like to know more about our company, or to find out what other services we provide please contact us.

District wiring

UTC

**1. Lab- 28 lines need to be patched down
Cajun 10.1.13.1 has ports 2 & 4 available.
Cajuns 10.1.13.2, 10.1.13.3, and 10.1.13.4
each have ports 2, 3 & 4 available. [11 ports open total]**

**2. Downstairs in Library
7 lines need to be patched down
4 ports available**

NJ

**1. Upstairs Room 11
82 lines drawn only 19 patched down
* more equipment is needed.**

**2. Downstairs
3 lines need to be patched down.. 15 ports are available**

IND

**31 lines need to be patched down
11 ports available**

MLK

**1. Lab-small stack
Cajun 10.1.11.200.1 no activity on P115 or P116
Cajuns 10.1.11.5, 10.1.11.6 and 10.1.11.7 all have
ports 2, 3 & 4 available but are on common V-Lan**

**2. Lab- Big stack
4 Gray wires unplugged.
Cajuns 10.1.11.2 and 10.1.11.3 have ports 2, 3, & 4 avail**

**3. Downstairs
12 gray wires unplugged
13 ports available**

**OHIO- OK
Brighton-OK**

TEX

26 lines need to be patched down. no ports available

Richmond

6 lines need to be patched down. Many ports available

Chelsea

1. Original needs 2 patched down and 2 ports are available

2. New Addition

30 lines need to be patched down

*** No Cajun present**

High School

1. C100-wing

32 lines need to be patched down

52 wires need to be patched down

2. B200-wing

3 lines need to be patched down

Cajuns 10.1.12.23 and 10.1.12.24 have ports 2,3 &4 available

3. G200-wing

98 lines need to be patched down

4. H200-wing

89 lines need to be patched down

***2 wires in back not attached to patch panel**

5. J-wing OK

6. G100-wing

23 lines need to be patched down

Old network wires Cat4 are hanging on wall not in use.

7. G-wing Main Office

Some gray wires are unplugged.

Some Cat4 wires are plugged and some are unplugged?

8. E100-wing

61 lines need to be patched down

35 ports are available

Notes about OCS email. Compiled from Dorothy.

1. need to be able to attach to a "Notice".

2. There are duplicates in the addresses.

3. Need for separate mailing lists or groups.

Right now there are Teachers, Students and Administrators on the list so you can't just send an email to all teachers without going down the list and selecting each one.

4. Doesn't show list of all emails sent to verify if each teacher was sent a copy.

UPTOWN COMPLEX

A. Lab

1. Cajun P120 X120F2 10.1.13.1

24 Copper ports - 22 in use

2 Fiber ports - 1 in use

2. Cajun P120 X120T8 10.1.13.2

32 Copper ports - 29 in use

3. Cajun P120 X120F2 10.1.13.3

24 Copper ports - 21 in use

2 Fiber ports - 1 in use

4. Cajun P120 X120T8 10.1.13.4

32 Copper ports - 29 in use

P120 #1 & 2 are crossed over

P120 #3 & 4 are crossed over

SUMMARY

124 Blue RUNS in back

4 Cross overs

1 Computer linked to P120 port

1 Line runs to a P115 in lab

130 Ports needed

112 Copper ports available

18 Short

UPTOWN COMPLEX

B. Library Closet

1. Cajun P550 M5501R-SUP Console port in use
10.250.13.255/24

2. M5504-1000LX-F 4 Fiber ports 2 in use yellow & white

3. M5510-100FX 10 Fiber ports 2 in use gray & white

4. Blank

5. Blank

6. M5520-100TX 20 Copper ports 19 in use

7. M5520-100TX 20 Copper ports 17 in use

SUMMARY

41 Runs in back

2 to server

43

40 copper ports

3 short

NEW JERSEY AVE.

A. 2nd Floor Room 11

1. Cajun P120 X120F2
24 Copper ports - 20 in use
2 Fiber ports - 1 in use

SUMMARY

82 Runs in back

24 Copper ports available

58 Short

B. 1st Floor Closet

1. Cajun P550 M5501R-SUP Console port in use
10.250.20.254/24

2. M5504-1000LX-F 4 Fiber ports 2 in use yellow & white

3. M5510-100FX 10 Fiber ports 1 in use gray & white

4. Blank

5. Blank

6. M5520-100TX 20 Copper ports 16 in use

7. M5520-100TX 20 Copper ports 7 in use

SUMMARY

24 Runs in back

2 to server

26

40 Copper ports Available

14 Extra

Subject: MLK pg1

INDIANA AVE.

A. Truancy

1. Cajun P550 M5501R-SUP No port in use
10.250.15.254/24

2. M5504-1000LX-F 4 Fiber ports 2 in use yellow & white

3. M5520-100TX 20 Copper ports 18 in use

4. M5520-100TX 20 Copper ports 16 in use

5. M5520-100TX 20 Copper ports 20 in use

6. M5520-100TX 20 Copper ports 14 in use

7. Blank

SUMMARY

97 Runs in back
2 to server
99
80 Copper ports Available
19 Short
MLK

A. Lab -- short stack-- old network

1. Cajun P120 X120T8 10.1.11.5
32 Copper ports - 30 in use
2. Cajun P120 X120T8 10.1.11.6
32 Copper ports - 29 in use
3. Cajun P120 X120T8 10.1.11.7
32 Copper ports - 29 in use
4. Cajun P120 X120F2 10.1.11.8
24 Copper ports - 24 in use
2 Fiber ports - 1 in use gray & white
5. Cajun P116T 10.11.200.1
16 Copper ports - all in use
6. Cajun P115G
24 Copper ports - all in use

Summary

P120 #1, 2 & 3 are crossed over to P120 #4
P115 #6 is crossed over to P120 #4 also.

A few ports many need to be reassigned but overall--OK.

Subject: MLK pg2

MLK

B. Lab -- Big stack

4. M5504-1000LX-F 4 Fiber ports 3 in use yellow & white

5. M5510-100FX 10 Fiber ports 5 in use gray & white
2 ports only have white plugged in.

6. M5520-100TX 20 Copper ports 12 in use

7. M5520-100TX 20 Copper ports 18 in use

#2

1. Cajun P550 M5501R-SUP no plugs in use
10.250.254.254/24

2. M5504-1000SLX-F 4 Fiber ports All in use yellow & white

3. M5504-1000LX-F 4 Fiber ports All in use yellow & white

4. M5504-1000LX-F 4 Fiber ports All in use yellow & white

5. M5510-100FX 10 Fiber ports 2 in use gray & white

6. M5520-100TX 20 Copper ports 19 in use

7. M5520-100TX 20 Copper ports 17 in use

SUMMARY

74 Runs in back

2 to server

76

80 Copper ports Available

4 Extra

Subject: Ohio

OHIO AVE.

A. Main Office

1. Cajun P550 M5501R-SUP Console port in use
10.250.19.254

2. M5504-1000LX-F 4 Fiber ports 2 in use yellow & white

3. M5510-100FX 10 Fiber ports 1 in use gray & white
4. M5520-100TX 20 Copper ports 18 in use
5. M5520-100TX 20 Copper ports All in use
6. M5520-100TX 20 Copper ports 18 in use
7. M5520-100TX 20 Copper ports 6 in use

SUMMARY

58 Runs in back
5 to server & miscellaneous
63
80 copper ports
17 Extra

B. 2nd Floor

1. Cajun P120 X120F2 10.1.19.1
24 Copper ports - 21 in use
2 Fiber ports - 1 in use gray & white
2. Cajun P120 X120T8 10.1.19.2
32 Copper ports - 25 in use

SUMMARY

64 Runs in back
2 to server
66
56 copper ports
10 short

Subject: Brighton

BRIGHTON AVE.

A. First Floor

1. Cajun P550 M5501R-SUP Console port in use
10.250.17.254

2. M5504-1000LX-F 4 Fiber ports 2 in use yellow & white

3. M5520-100TX 20 Copper ports 18 in use

4. M5520-100TX 20 Copper ports 11 in use

5. Blank

6. Blank

7. Blank

SUMMARY

27 Runs in back

2 to server

29

40 copper ports

11 Extra

B. 2nd Floor Room 12

1. Cajun P120 Switch- not powered on***

24 Copper ports

2 Fiber ports not in use

SUMMARY

57 Runs in back

24 copper ports

33 Short

Subject: Brighton

BRIGHTON AVE.

A. First Floor

1. Cajun P550 M5501R-SUP Console port in use
10.250.17.254

2. M5504-1000LX-F 4 Fiber ports 2 in use yellow & white

3. M5520-100TX 20 Copper ports 18 in use

4. M5520-100TX 20 Copper ports 11 in use

5. Blank

6. Blank

7. Blank

SUMMARY

27 Runs in back

2 to server

29

40 copper ports

11 Extra

B. 2nd Floor Room 12

1. Cajun P120 Switch- not powered on***

24 Copper ports

2 Fiber ports not in use

SUMMARY

57 Runs in back

24 copper ports

33 Short

Subject: Brighton

BRIGHTON AVE.

A. First Floor

1. Cajun P550 M5501R-SUP Console port in use
10.250.17.254

2. M5504-1000LX-F 4 Fiber ports 2 in use yellow & white

3. M5520-100TX 20 Copper ports 18 in use

4. M5520-100TX 20 Copper ports 11 in use

5. Blank

6. Blank

7. Blank

SUMMARY

27 Runs in back

2 to server

29

40 copper ports

11 Extra

B. 2nd Floor Room 12

1. Cajun P120 Switch- not powered on***

24 Copper ports

2 Fiber ports not in use

SUMMARY

57 Runs in back

24 copper ports

33 Short

Subject: Richmond

RICHMOND AVE.

A. 1st Floor

1. Cajun P550 M5501R-SUP Console port in use

10.250.14.254

2. M5504-1000LX-F 4 Fiber ports 2 in use yellow & white

3. M5520-100TX 20 Copper ports 18 in use

4. M5520-100TX 20 Copper ports 19 in use

5. M5520-100TX 20 Copper ports All in use

6. M5520-100TX 20 Copper ports 5 in use

7. Blank

SUMMARY

66 Runs in back
2 to server
68
80 copper ports
12 Extra

Subject: Chelsea

CHELSEA HEIGHTS

A. Library Closet

1. Cajun P550 M5501R-SUP Console port in use
10.250.18.254

2. M5502-1000SLX-F 2 Fiber ports 2 in use yellow & white

3. Blank

4. Blank

5. Blank

6. M5520-100TX 20 Copper ports 19 in use

7. M5520-100TX 20 Copper ports 19 in use

SUMMARY

38 Runs in back
2 to server
40
40 copper ports
0 Even

B. New Addition

30 Runs in back
no Cajun equipment present
30 Short

Subject: HS pg1

HIGH SCHOOL

A. Main Office

1. Cajun P550 M5501R-SUP no plugs in use
10.250.12.254/24
2. M5502-1000SLX-F 2 Fiber ports All in use yellow & white
3. M5502-1000SX-F 2 Fiber ports All in use orange
4. M5510-100FX 10 Fiber ports 5 in use gray & white
5. M5510-100FX 10 Fiber ports 5 in use gray & white
6. M5520-100TX 20 Copper ports All in use
7. M5520-100TX 20 Copper ports All in use

SUMMARY

27 Runs in back
5 to server & Misc
32
40 copper ports
8 Extra

This closet is a mess, they ran more gray patch cable than runs in back.

Needs to be organized.

Subject: HS pg2

HIGH SCHOOL B&J

A. B20 closet

1. Cajun P120 X120F2 10.1.12.23
24 Copper ports - 21 in use
2 Fiber ports - 1 in use gray & white
2. Cajun P120 X120T8 10.1.12.24
32 Copper ports - 29 in use

SUMMARY

51 Runs in back
2 Cross-over
53
56 Copper ports Available
3 Extra

B. J-wing

3. Cajun P120 X120T8 10.1.12.12
32 Copper ports - 21 in use

4. Cajun P120 X120F2 10.1.12.13
24 Copper ports - 13 in use
2 Fiber ports - 1 in use gray & white

SUMMARY

32 Runs in back
2 Cross-over
34
56 Copper ports Available
22 Extra

Subject: HS pg3

HIGH SCHOOL

A. C22 Closet

1. Cajun P120 X120F2 10.1.12.14
24 Copper ports - 23 in use
2 Fiber ports - 1 in use gray & white

2. Cajun P120 X120T8 10.1.12.15
32 Copper ports - 29 in use

3. Cajun P120 10.1.12.16
24 Copper ports - 21 in use

4. Cajun P120 X120F2
24 Copper ports - 22 in use
2 Fiber ports - 1 in use gray & white

5. Cajun P120
24 Copper ports - 21 in use

6. Cajun P120
24 Copper ports - 21 in use

SUMMARY

230 Runs in back
8 Cross-over
238
152 Copper ports Available
86 Short

Subject: HS pg4

HIGH SCHOOL

A. C11 Closet

1. Cajun P120 X120F2 10.1.12.5
24 Copper ports - 22 in use
2 Fiber ports - 1 in use gray & white

2. Cajun P120 X120T8 10.1.12.6
32 Copper ports - 29 in use

3. Cajun P120 10.1.12.7
24 Copper ports - 21 in use

SUMMARY

148 Runs in back
4 Cross-over
152
80 Copper ports Available
72 Short

Subject: HS pg5

HIGH SCHOOL

A. F10 Closet

1. Cajun P120 X120F2 10.1.12.1