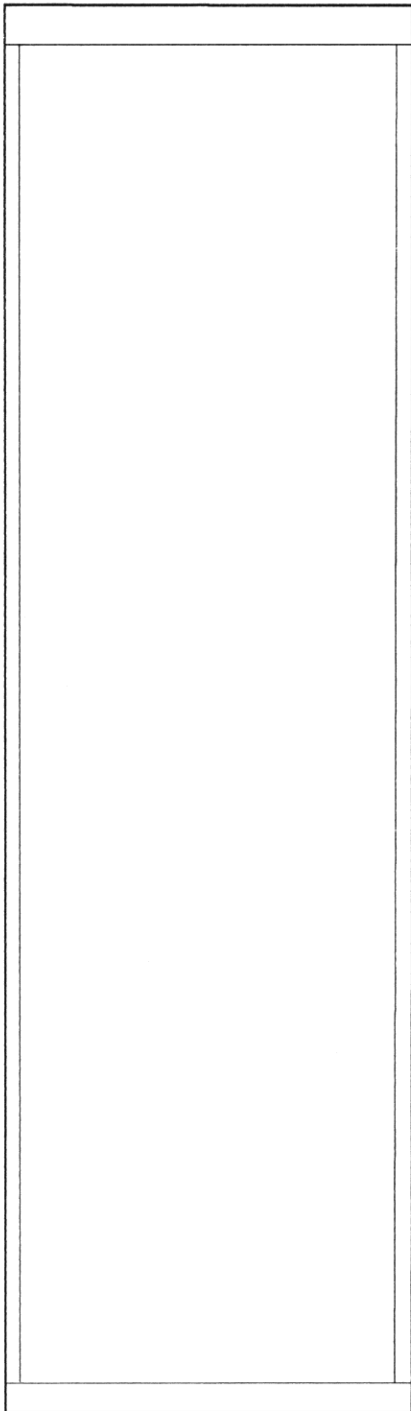

Appendix B. Planning Forms

- Rack Inventory Chart
- IBM 8230 Cabling Chart
- IBM 8228 Cabling Chart
- IBM 8218 Cabling Chart
- IBM 8219 Cabling Chart
- IBM 8220 Cabling Chart
- Ring Sequence Chart
- Physical Location to Adapter Address Locator Chart
- Adapter Address to Physical Location Locator Chart
- Network Ordering Worksheet
- Rack Inventory Chart Template (in back cover pocket).

Make as many copies of these charts as you need to plan your network. Save the blank originals for later copies.

You are hereby authorized to copy pages B-2 through B-11 only.

Rack Inventory Chart



Wiring closet number _____
Rack number _____
Date _____
Planner's initials _____

Instructions

Fill out a Rack Inventory Chart for each equipment rack.

1. Enter the wiring closet location number, the equipment rack identification number, and the planner's initials.
2. Using the template for the Rack Inventory Chart that came with this manual, draw an outline of each component that will be installed in the rack.
3. The slots at the bottom of the distribution panel template are used only for the lowermost distribution panel in a rack. The slots indicate that there are 38.1 mm (1-1/2 in.) between that panel and the next unit in the rack.
4. Write the unit identification number and component type on each component on the chart.

Example:

	21
	22
0010	(MSAU)
0011	(MSAU)
0012	(MSAU)

Section 1 Identification

Unit Number Date

Check Appropriate Box

- | | | |
|-----------------|--|---|
| Ring Data Rate | <input type="checkbox"/> 4Mbps | <input type="checkbox"/> 16Mbps |
| Lobe Cable Type | <input type="checkbox"/> Unshielded Twisted Pair | <input type="checkbox"/> Data Grade Media |
| Voltage Setting | <input type="checkbox"/> 115v | <input type="checkbox"/> 230v |
| RI Module | <input type="checkbox"/> Copper | <input type="checkbox"/> Optical Fiber |
| RO Module | <input type="checkbox"/> Copper | <input type="checkbox"/> Optical Fiber |
| | <input type="checkbox"/> Media Filter | <input type="checkbox"/> Wrap Plug |

Physical Location

Building Number
Wiring Closet
Rack Number
Ring Number

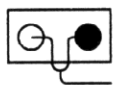
Addresses

PO Address
PI Address
S Address

Section 2 Ring Connections

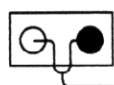
A. Connect RI of this 8230 to:

(Copper RI)
(Optical Fiber RI)
Orange
Black



B. Connect RO of this 8230 to:

(Copper RO)
(Optical Fiber RO)
Orange
Black



Section 3 Lobe Attachment Module Connections

Number of Lobe Attachment Modules Connected to this IBM 8230

IBM 8230 Cabling Chart cont.

Unit # _____
Page 2 of 2

LAM 1

Receptacle	1	2	3	4	5	6	7	8	9	10
Connect To:										
Device										
Receptacle	11	12	13	14	15	16	17	18	19	20
Connect To:										
Device										

LAM 2

Receptacle	1	2	3	4	5	6	7	8	9	10
Connect To:										
Device										
Receptacle	11	12	13	14	15	16	17	18	19	20
Connect To:										
Device										

LAM 3

Receptacle	1	2	3	4	5	6	7	8	9	10
Connect To:										
Device										
Receptacle	11	12	13	14	15	16	17	18	19	20
Connect To:										
Device										

LAM 4

Receptacle	1	2	3	4	5	6	7	8	9	10
Connect To:										
Device										
Receptacle	11	12	13	14	15	16	17	18	19	20
Connect To:										
Device										

IBM 8228 Cabling Chart

Date _____

Section 1 Identification

Unit Number _____	Building Location _____	Rack-mounted <input type="checkbox"/>	Ring _____
		Wall-mounted <input type="checkbox"/>	

Section 2 Receptacle Connections

Receptacle	1	2	3	4	5	6	7	8
Connect to:								

Device								
--------	--	--	--	--	--	--	--	--

Section 3 Ring Connections

A. Connect RI of this 8228 to: _____
B. Connect RO of this 8228 to: _____

IBM 8218 Cabling Chart

Section 1

Date _____

Ring _____

_____ Unit Number _____

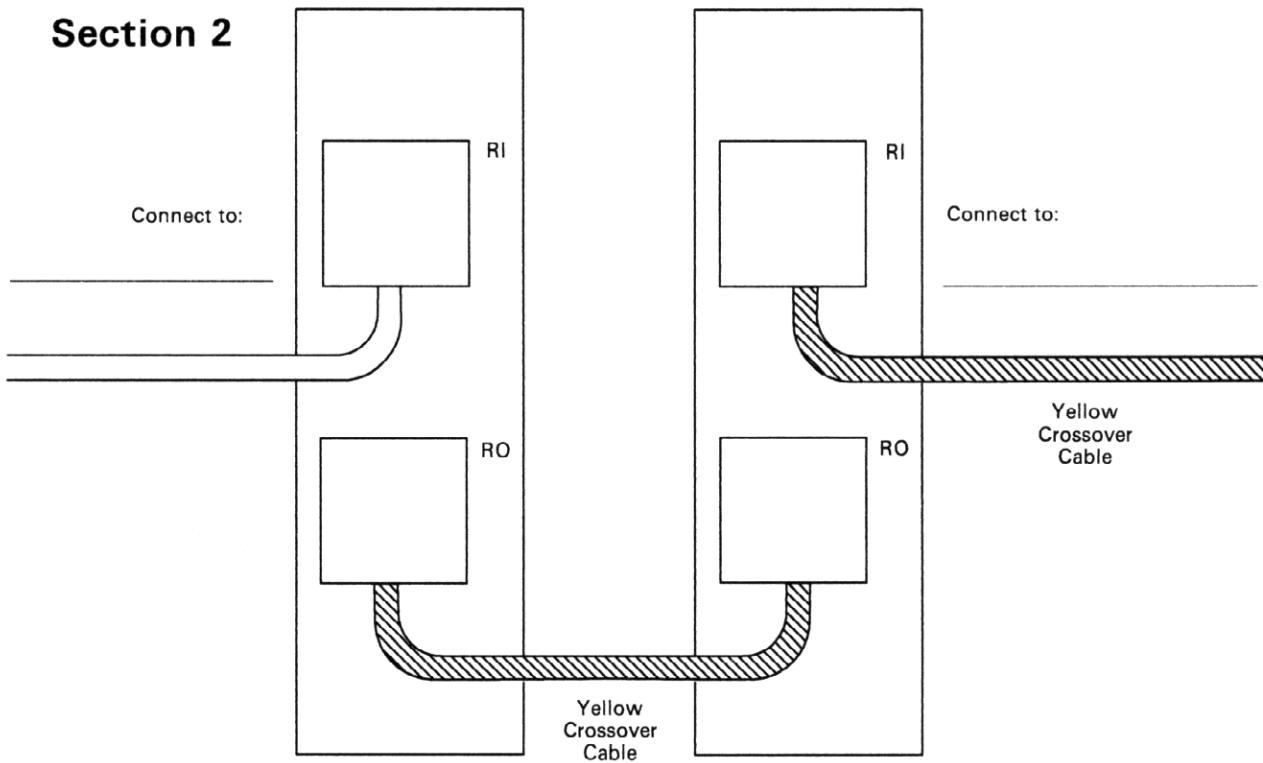
Building _____

Location _____

Rack-Mounted

Wall-Mounted

Section 2



IBM 8219 Cabling Chart

Section 1

Date _____

Ring _____

Unit Number _____

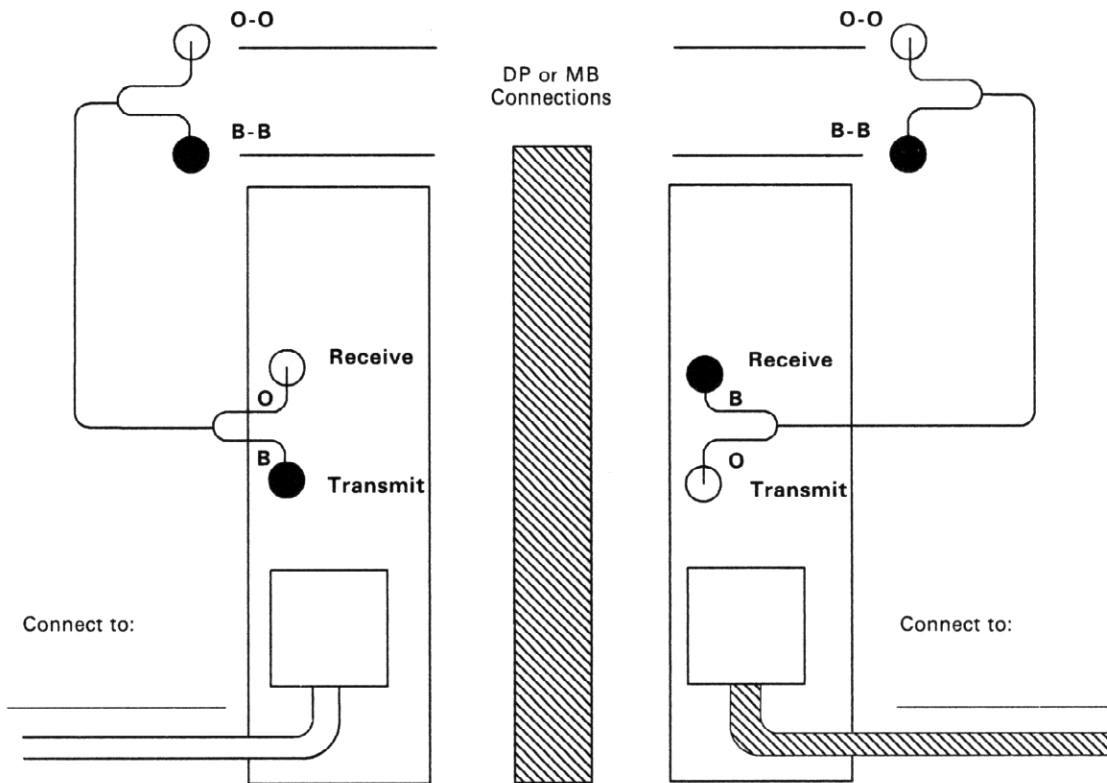
Building _____

Location _____

Rack-Mounted

Section 2

Wall-Mounted



- Yellow Crossover Cable or Patch Cable

- B = Black
- O = Orange
- MB = Optical Fiber Cable Mounting Bracket
- DP = Distribution Panel

Yellow Crossover Cable

IBM 8220 Cabling Chart

Section 1

Date _____

Ring # _____

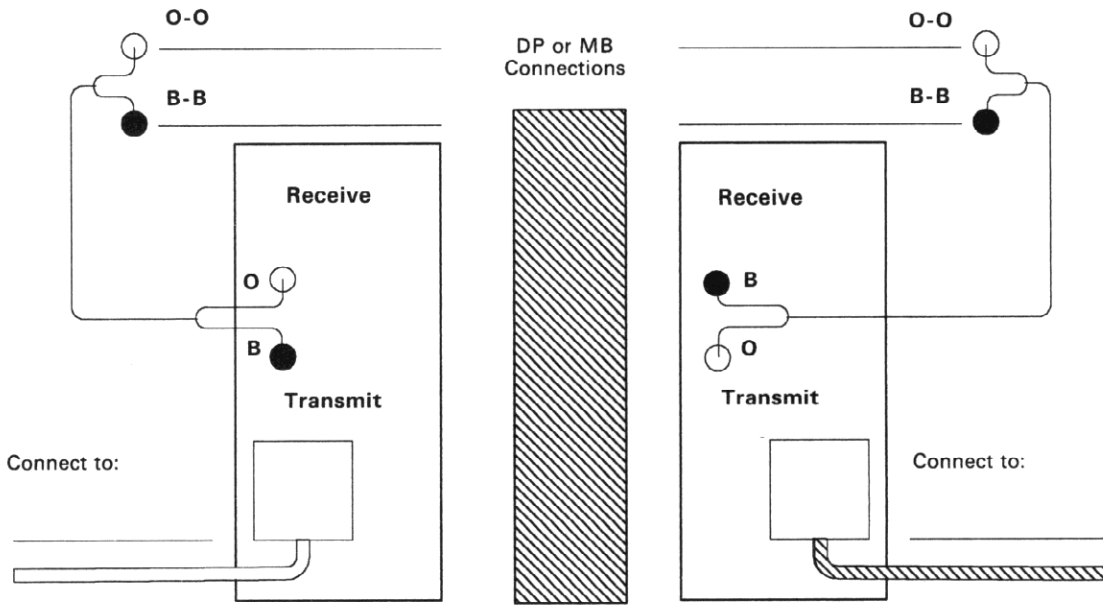
Ring Data Rate 4 16

RI	RI/RO Switch Settings	RO
_____	Unit Number	_____
_____	Building	_____
_____	Location	_____
_____	Address	_____

Rack-Mounted

Section 2

Wall-Mounted



Yellow Crossover Cable or Patch Cable

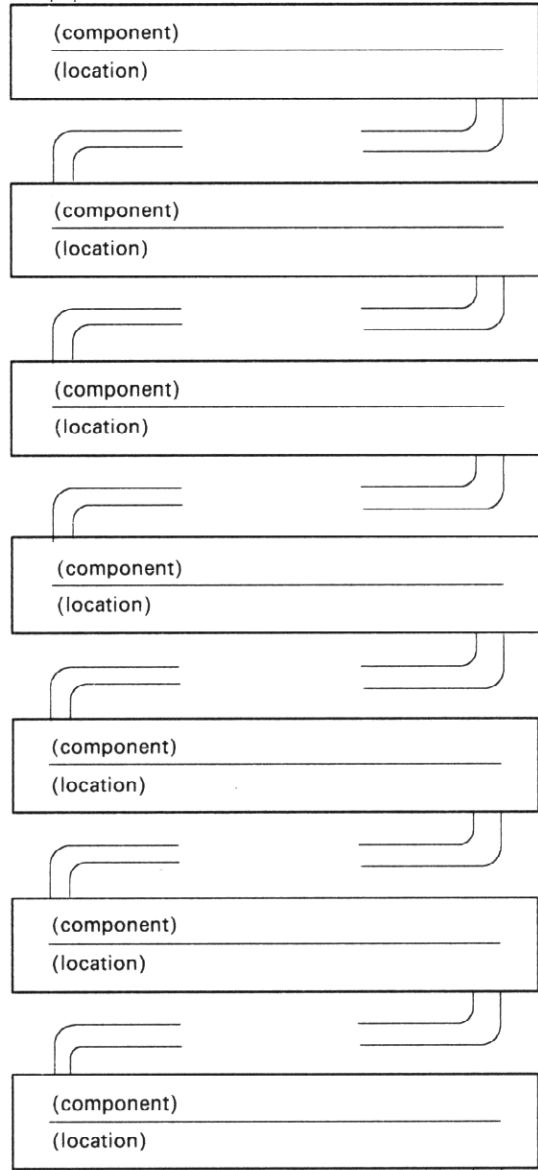
B = Black
 O = Orange
 MB = Optical Fiber Cable Mounting Bracket
 DP = Distribution Panel

Yellow Crossover Cable

Ring Sequence Chart

Ring Number _____ Ring Data Rate 4 16 Page _____ of _____

cable from _____ Date _____
 on page _____



cable to _____
 on page _____

Suggested Abbreviations:

DP - Distribution Panel
 P - Patch Cable
 YCP - (Yellow) Crossover Patch Cable
 OFP - Optical Fiber Patch Cable

FP - Faceplate
 MB - Optical Fiber
 Mounting Bracket
 SS - Surge Suppressor

MSAU - IBM 8228 Multistation Access Unit
 RPTR - IBM 8218 Copper Repeater
 OFRPTR - IBM 8219 Optical Fiber Repeater
 OFCVTR - IBM 8220 Optical Fiber Converter
 CAU - IBM 8230 Controlled Access Unit

Network Ordering Worksheet

1.	Rack-mounted IBM 8228 Multistation Access Units	_____	
2.	Wall-mounted IBM 8228 Multistation Access Units	_____	
	Total Number of IBM 8228 Multistation Access Units		_____
	(P/N 6091014)		
3.	Rack-mounted IBM 8218 Copper Repeaters	_____	
4.	Wall-mounted IBM 8218 Copper Repeaters	_____	
	Total Number of IBM 8218 Copper Repeaters		_____
	(P/N 6339532)		
5.	Rack-mounted IBM 8219 Optical Fiber Repeaters	_____	
6.	Wall-mounted IBM 8219 Optical Fiber Repeaters	_____	
	Total Number of IBM 8219 Optical Fiber Repeaters		_____
	(P/N 6339535)		
7.	Rack-mounted IBM 8220 Optical Fiber Converters	_____	
8.	Wall-mounted IBM 8220 Optical Fiber Converters	_____	
	Total Number of IBM 8220 Optical Fiber Converters		_____
9.	IBM 8230 Controlled Access Units		
	Base Units		_____
	Lobe Attachment Modules		_____
	RJ-45 Lobe Attachment Modules		_____
	Optical Fiber Converter Modules		_____
	4 Mbps Media Filters		_____
10.	8-foot Patch Cables (for lobes)	_____	
11.	8-foot Patch Cables (for main ring path)	_____	
12.	Spare 8-foot Patch Cables	_____	
	Total Number of 8-foot Patch Cables		_____
	(P/N 8642551)		
13.	30-foot Patch Cables (for lobes)	_____	
14.	30-foot Patch Cables (for main ring path)	_____	
15.	Spare 75-foot Patch Cables	_____	
	Total Number of 75-foot Patch Cables		_____
	(P/N 8642552)		
16.	75-foot Patch Cables (for lobes)	_____	
17.	75-foot Patch Cables (for main ring path)	_____	
18.	Spare 75-foot Patch Cables	_____	
	Total Number of 75-foot Patch Cables		_____
	(P/N 6339134)		
19.	150-foot Patch Cables (for lobes)	_____	
20.	150-foot Patch Cables (for main ring path)	_____	
21.	Spare 150-foot Patch Cables	_____	
	Total Number of 150-foot Patch Cables		_____
	(P/N 6339135)		
22.	Crossover Patch Cables	_____	
23.	Spare Crossover Patch Cables	_____	
	(IBM Specification 6339137)		_____
24.	Optical Fiber BNC-to-Biconic Patch Cables	_____	
25.	Spare Optical Fiber BNC-to-Biconic Patch Cables	_____	
	Total Number of Optical Fiber BNC-to-Biconic Patch		_____
	Cables		
	(IBM Specification 6165811)		

Network Ordering Worksheet

- | | | | |
|-----|---|-------|-------|
| 26. | 8-foot Optical Fiber Biconic-to-Biconic Patch Cables | _____ | |
| 27. | Spare 8-foot Optical Fiber Biconic-to-Biconic Patch Cables | _____ | |
| | Total Number of 8-foot Optical Fiber Biconic-to-Biconic Patch Cables | | _____ |
| | (IBM Specification 6165812) | | |
| 28. | 45-foot Optical Fiber Biconic-to-Biconic Patch Cables | _____ | |
| 29. | Spare 45-foot Optical Fiber Biconic-to-Biconic Patch Cables | _____ | |
| | Total Number of 45-foot Optical Fiber Biconic-to-Biconic Patch Cables | | _____ |
| | (IBM Specification 6825813) | | |
| 30. | Optical Fiber Dual Socket Mounting Clips | | _____ |
| | (IBM Specification 6165847) | | |
| 31. | Component Housings (one for each wall-mounted IBM 8228) | | _____ |
| | (P/N 6091078) | | |
| 32. | Surface Mounting Brackets (one for each wall-mounted IBM 8218, 8219, or 8220) | | _____ |
| | (P/N 6339140) | | |
| 33. | Rack Mounting Assembly (one for each rack-mounted IBM 8218, 8219, or 8220) | | _____ |
| | (P/N 9339139) | | |

