

Building: Service Operations Center
Project Number: P2000-014-Bayview

720 drops*4=2880

Traditional cabling method

Description of Materials	QTY	Unit Price	Total Price
WIRE 100 Ohm, UTP, CAT-5 CMP Avg 200' run per 2880	600,000'	\$215.00	\$129,000
FACEPLATES, SINGLE GANGE, 4 PORT	800	\$1.50	\$1,200
MODULAR JACKS, VOICE	1500	\$2.00	\$3,000
MODULAR JACKS, DATA	1500	\$4.00	\$6,000
PATCH PANEL, 24 PORT, CAT-5, T568-A	0	\$0.00	\$0
PATCH PANEL, 48 PORT, CAT-5, T568-A	40	\$200.00	\$8,000
FIBER DISTRIBUTION PANEL, 24 PORT	8	\$450.00	\$3,600
FIBER DISTRIBUTION PANEL, 72 PORT	0	\$1,144.00	\$0
TERMINAL BLOCKS, 100 PAIR	4	\$40.00	\$0
OPTICAL FIBER CABLE, MM 6 STRAND, OFNP	0	\$0.00	\$0
OPTICAL FIBER CABLE, MM 24 STRAND, OFNP	100	\$4.50	\$450
SC DUPLEX OPTICAL FIBER CONNECTOR	200	\$7.50	\$1,500
CATEGORY 5 PATCH CORDS	1000	\$5.00	\$5,000
OPTICAL FIBER PATCH CORDS MM SC/SC	50	\$45.00	\$2,250
100 PAIR 24 AWG, CMR, UTP, CAT-3 BACKBONE CABLE	1000'	\$4.50	\$4,500
RELAY RACKS, 84"X19"	20	\$150.00	\$3,000
TERMINAL BLOCKS, 300 PAIR	32	\$80.00	\$2,560
Cable management Horiz	40	\$45.00	\$1,800
Cable management Vertical	40	\$100.00	\$4,000
TOTAL QUOTE			\$175,860

Average Cable Pull from MDF/IDF-->WS=200'

Material for a MAC average = \$50.00

Description of Materials	QTY	Unit Price	Total Price
WIRE 100 Ohm, UTP, CAT-5 CMP Avg 75' run per 2880	220,000'	\$215.00	\$47,300.00
FACEPLATES, SINGLE GANGE, 4 PORT	800	\$1.50	\$1,200.00
MODULAR JACKS, VOICE	1500	\$2.00	\$3,000.00
MODULAR JACKS, DATA	1500	\$4.00	\$6,000.00
PATCH PANEL, 24 PORT, CAT-5, T568-A	0	\$0.00	\$0.00
PATCH PANEL, 48 PORT, CAT-5, T568-A	50	\$200.00	\$10,000.00
FIBER DISTRIBUTION PANEL, 24 PORT	0	\$450.00	\$0.00
FIBER DISTRIBUTION PANEL, 72 PORT	8	\$1,150.00	\$9,200.00
TERMINAL BLOCKS, 100 PAIR (feed)	62	\$40.00	\$2,500.00
OPTICAL FIBER CABLE, MM 6 STRAND, OFNP	0	\$0.00	\$0.00
OPTICAL FIBER CABLE, MM 24 STRAND, OFNP	100	\$4.50	\$450.00
SC DUPLEX OPTICAL FIBER CONNECTOR	200	\$7.50	\$1,500.00
CATEGORY 5 PATCH CORDS	1000	\$5.00	\$5,000.00
Dual OPTICAL FIBER PATCH CORDS MM SC/SC	100	\$65.00	\$6,500.00
100 PAIR 24 AWG, CMR, UTP, CAT-3 BACKBONE CABLE	5000	\$4.50	\$22,500.00
RELAY RACKS, 84"x19" OPEN	9	\$150.00	\$1,350.00
TERMINAL BLOCKS, 300 PAIR	25	\$80.00	\$2,000.00
CEILING UNITS FOR HUBS AND ROUTERS	24	\$1,150.00	\$27,600.00
CEILING UNITS FOR COPPER TERMINATIONS	16	\$800.00	\$12,800.00
Floor UNITS FOR COPPER TERMINATIONS	1	\$500.00	\$500.00
Furniture unit for copper termination	1	\$400.00	\$400.00
Cable management Horiz	50	\$45.00	\$2,250.00
Cable management Vertical	18	\$100.00	\$1,800.00
TOTAL QUOTE			\$163,850.00

Average Cable Pull from MDF/IDF-->WS=75'

Material for a MAC average = \$25.00

Assumptions:

Optical plenum rated patch cords (doubles) from each hub to switch
 3- 100 pair analog (cat-3) cable between EACH floor-1-->2 & 1-->3
 Each jack has 2 data and 2 voice grade lines using cat-5
 as distribution lines.