



State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
PSH90063

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
ROBERTA WAGNER 304-558-0067

RFQ COPY

TYPE NAME/ADDRESS HERE

Fort Henry Realty Inc. dba
Advanced Communications Co.
2744 Eoff St.
Wheeling, WV 26003

HEALTH AND HUMAN RESOURCES
PINECREST HOSPITAL
105 SOUTH EISENHOWER DRIVE

BECKLEY, WV
25801

304-256-6614

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
11/25/2008				

BID OPENING DATE:

01/08/2009

BID OPENING TIME

01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	5 EA			936-73	\$2,191.54	\$10,957.70
***** BID BOND AND PURCHASING AFFIDAVIT REQUIRED WITH BID SUBMISSION ***** MANDATORY PRE-BID MEETING ON 12/16/2008 AT 10:00 AM IN ROOM #B109 AT PINECREST HOSPITAL LOCATED AT 105 E EISENHOWER DRIVE, BECKLEY, WV 25801 *****						
DIGITAL VIDEO RECORDERS PER SPECIFICATIONS						
INQUIRIES: WRITTEN QUESTIONS SHALL BE ACCEPTED THROUGH CLOSE OF BUSINESS ON 12/18/2008. QUESTIONS MAY BE SENT VIA USPS, FAX, COURIER OR E-MAIL IN ORDER TO ASSURE NO VENDOR RECEIVES AN UNFAIR ADVANTAGE, NO SUBSTANTIVE QUESTIONS WILL BE ANSWERED ORALLY IF POSSIBLE, E-MAIL QUESTIONS ARE PREFERRED. ADDRESS INQUIRIES TO: ROBERTA WAGNER DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25311 FAX: 304-558-4112 E-MAIL: ROBERTA.A.WAGNER@WV.GOV						

RECEIVED

2009 JAN 14 A 11:24

PURCHASING DIVISION
STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
	304-233-3000	1-13-09
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
President/Owner	550673459	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
14. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
15. **WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT:** If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in case of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130



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11/25/2008						
BID OPENING DATE: 01/08/2009		BID OPENING TIME 01:30PM				
LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>THE MODEL/BRAND/SPECIFICATIONS NAMED HEREIN ESTABLISH THE ACCEPTABLE LEVEL OF QUALITY ONLY AND ARE NOT INTENDED TO REFLECT A PREFERENCE OR FAVOR ANY PARTICULAR BRAND OR VENDOR. VENDORS WHO ARE BIDDING ALTERNATES SHOULD SO STATE AND INCLUDE PERTINENT LITERATURE AND SPECIFICATIONS. FAILURE TO PROVIDE INFORMATION FOR ANY ALTERNATES MAY BE GROUNDS FOR REJECTION OF THE BID. THE STATE RESERVES THE RIGHT TO WAIVE MINOR IRREGULARITIES IN BIDS OR SPECIFICATIONS IN ACCORDANCE WITH SECTION 148-1-4(F) OF THE WEST VIRGINIA LEGISLATIVE RULES AND REGULATIONS EXHIBIT 5</p> <p>WEST VIRGINIA CODE 21-1D-5 PROVIDES THAT: ANY SOLICITATION FOR A PUBLIC IMPROVEMENT CONSTRUCTION CONTRACT REQUIRES EACH VENDOR THAT SUBMITS A BID FOR THE WORK TO SUBMIT AT THE SAME TIME AN AFFIDAVIT OF COMPLIANCE WITH THE BID. THE ENCLOSED PURCHASING AFFIDAVIT MUST BE SIGNED AND SUBMITTED WITH THE BID AS EVIDENCE OF THE VENDOR'S COMPLIANCE WITH THE PROVISIONS OF ARTICLE 1D, CHAPTER 21 OF THE WEST VIRGINIA CODE. FAILURE TO SUBMIT THE SIGNED PURCHASING AFFIDAVIT WITH THE BID SHALL RESULT IN DISQUALIFICATION OF SUCH BID.</p> <p>NOTICE TO PROCEED: THIS CONTRACT IS TO BE PERFORMED WITHIN 60 CALENDAR DAYS AFTER THE NOTICE TO PROCEED IS RECEIVED. UNLESS OTHERWISE SPECIFIED, THE FULLY EXECUTED PURCHASE ORDER WILL BE CONSIDERED NOTICE TO PROCEED.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE</p>						
SEE REVERSE SIDE FOR TERMS AND CONDITIONS						
SIGNATURE		TELEPHONE		DATE		
		304-233-3000		1-13-09		
TITLE		F.E.I.N.		ADDRESS CHANGES TO BE NOTED ABOVE		
President/Owner		550673459				

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RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE MATERIALS OR WORKMANSHIP SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM WITH THE SPECIFICATIONS OF THE BID AND CONTRACT HERE IN.						
WAGE RATES: THE CONTRACTOR OR SUBCONTRACTOR SHALL PAY THE HIGHER OF THE U.S. DEPARTMENT OF LABOR MINIMUM WAGE RATES AS ESTABLISHED FOR RALEIGH COUNTY, PURSUANT TO WEST VIRGINIA CODE 21-5A, ET, SEQ. (PREVAILING WAGE RATES APPLY TO THIS PROJECT)						
ARBITRATION: ANY REFERENCES MADE TO ARBITRATION OR INTEREST FOR PAYMENTS DUE (EXCEPT FOR ANY INTEREST REQUIRED BY STATE LAW) CONTAINED IN THIS CONTRACT OR IN ANY AMERICAN INSTITUTE OF ARCHITECTS DOCUMENTS PERTAINING TO THIS CONTRACT ARE HEREBY DELETED.						
WORKERS' COMPENSATION: VENDOR IS REQUIRED TO PROVIDE A CERTIFICATE FROM WORKERS' COMPENSATION IF SUCCESSFUL						
ALL OF THE ITEMS CHECKED BELOW WILL BE A REQUIREMENT OF THIS CONTRACT:						
(XX) INSURANCE: SUCCESSFUL VENDOR SHALL FURNISH PROOF OF COMMERCIAL GENERAL LIABILITY INSURANCE PRIOR TO ISSUANCE OF CONTRACT UNLESS OTHERWISE SPECIFIED IN THE BID DOCUMENTS, THE MINIMUM AMOUNT OF INSURANCE COVERAGE REQUIRED IS \$250,000.						
() BUILDERS RISK INSURANCE: SUCCESSFUL VENDOR SHALL FURNISH PROOF OF BUILDERS RISK - ALL RISK INSURANCE IN AN AMOUNT EQUAL TO 100% OF THE AMOUNT OF THE CONTRACT.						
(XX) BONDS: FIVE PERCENT (5%) OF THE TOTAL AMOUNT OF THE BID PAYABLE TO THE STATE OF WEST VIRGINIA, SHALL B						

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<p>SUBMITTED WITH EACH BID AS A BID BOND. THE SUCCESSFUL BIDDER SHALL ALSO FURNISH A PERFORMANCE BOND AND LABOR/MATERIAL BOND FOR 100% OF THE AMOUNT OF THE CONTRACT. BONDS MAY BE PROVIDED IN THE FORM OF A CERTIFIED CHECK, IRREVOCABLE LETTER OF CREDIT, OR BOND FURNISHED BY A SOLVENT SURETY COMPANY AUTHORIZED TO DO BUSINESS IN THE STATE OF WEST VIRGINIA. A LETTER OF CREDIT SUBMITTED IN LIEU OF A BOND WILL ONLY BE ALLOWED FOR PROJECTS UNDER \$100,000. PERSONAL OR BUSINESS CHECKS ARE NOT ACCEPTABLE IN LIEU OF THE 5% BID BOND, PERFORMANCE BOND, OR LABOR AND MATERIAL BOND.</p> <p>() MAINTENANCE BOND: A TWO (2) YEAR MAINTENANCE BOND COVERING THE ROOFING SYSTEM WILL BE A REQUIREMENT OF THE SUCCESSFUL VENDOR.</p> <p>REV. 11/00</p> <p>EXHIBIT 7</p> <p>DOMESTIC ALUMINUM, GLASS & STEEL IN PUBLIC WORKS PROJECTS</p> <p>IN ACCORDANCE WITH WEST VIRGINIA CODE 5-19-1 ET., SEQ., EVERY CONTRACT FOR CONSTRUCTION, RECONSTRUCTION, ALTERATION, REPAIR, IMPROVEMENT OR MAINTENANCE OF PUBLIC WORKS, WHERE THE COST IS MORE THAN \$50,000 AND, IN THE CASE OF STEEL ONLY, WHERE THE COST OF STEEL IS MORE THAN \$50,000 OR WHERE MORE THAN 10,000 POUNDS OF STEEL ARE REQUIRED, THE STATE WILL ACCEPT ONLY ALUMINUM, GLASS, OR STEEL PRODUCTS PRODUCED IN THE UNITED STATES. IN ADDITION, ITEMS OF MACHINERY OR EQUIPMENT PURCHASED FOR USE AT THE SITE OF PUBLIC WORKS SHALL BE MADE OF DOMESTIC ALUMINUM, GLASS OR STEEL, UNLESS THE COST OF THE PRODUCT IS LESS THAN \$50,000 OR LESS THAN 10,000</p>						

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POUNDS OF STEEL ARE USED IN PUBLIC WORKS PROJECTS.						
FOREIGN MADE ALUMINUM, GLASS OR STEEL PRODUCTS MAY BE ACCEPTED ONLY IF THE COST OF DOMESTIC PRODUCTS IS FOUND TO BE UNREASONABLE. SUCH COST IS UNREASONABLE IF IT IS 20% OR MORE HIGHER THAN THE BID PRICE FOR FOREIGN MADE PRODUCTS. IF THE DOMESTIC ALUMINUM, GLASS OR STEEL PRODUCTS TO BE SUPPLIED OR PRODUCED IN A "SUBSTANTIAL LABOR SURPLUS AREA", AS DEFINED BY THE UNITED STATES DEPARTMENT OF LABOR, FOREIGN PRODUCTS MAY BE SUPPLIED ONLY IF DOMESTIC PRODUCTS ARE 30% OR MORE HIGHER IN PRICE THAN THE FOREIGN MADE PRODUCTS.						
IF, PRIOR TO THE AWARD OF A CONTRACT UNDER THE ABOVE PROVISIONS, THE SPENDING OFFICER OF THE SPENDING UNIT DETERMINES THAT THERE EXISTS A BID FOR LIKE FOREIGN ALUMINUM, GLASS OR STEEL THAT IS REASONABLE AND LOWER THAN THE LOWEST BID DOMESTIC PRODUCTS, THE SPENDING OFFICE MAY REQUEST, IN WRITING, A REEVALUATION AND REDUCTION IN THE LOWEST BID FOR SUCH DOMESTIC PRODUCTS. ALL VENDORS MUST INDICATE IN THEIR BID IF THEY ARE SUPPLYING FOREIGN ALUMINUM, GLASS OR STEEL.						
REV. 3/88						
EXHIBIT 9						
NOTICE FOR ISSUANCE & ACKNOWLEDGEMENT OF CONSTRUCTION PROJECT ADDENDA						
THE ARCHITECT/ENGINEER AND/OR AGENCY SHALL BE REQUIRED TO ABIDE BY THE FOLLOWING SCHEDULE IN ISSUING CONSTRUCTION PROJECT ADDENDA FOR STATE AGENCIES:						
(1) THE ARCHITECT/ENGINEER SHALL PREPARE THE ADDENDUM						

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AND A LIST OF ALL PARTIES THAT HAVE PROCURED DRAWINGS AND SPECIFICATIONS FOR THE PROJECT THE ADDENDUM AND LIST SHALL BE FORWARDED TO THE BUYER IN THE STATE PURCHASING DIVISION. THE ARCHITECT/ENGINEER SHALL ALSO SEND A COPY OF THE ADDENDUM TO THE STATE AGENCY FOR WHICH THE CONTRACT IS ISSUED.						
(2) THE BUYER SHALL SEND THE ADDENDUM TO ALL INTERESTED PARTIES AND, IF NECESSARY, EXTEND THE BID OPENING DATE. ANY ADDENDUM SHOULD BE RECEIVED BY THE BUYER WITHIN FOURTEEN (14) DAYS PRIOR TO THE BID OPENING DATE.						
(3) ALL ADDENDA SHOULD BE FORMALLY ACKNOWLEDGED BY ALL BIDDERS AND SUBMITTED TO THE STATE PURCHASING DIVISION THE SAME RULES AND REGULATIONS THAT APPLY TO THE ORIGINAL BIDDING DOCUMENT SHALL ALSO APPLY TO AN ADDENDUM DOCUMENT. THE ONLY EXCEPTION MAY BE FOR AN ADDENDUM THAT IS ISSUED FOR THE SOLE PURPOSE OF CHANGING A BID OPENING TIME AND/OR DATE.						
REV. 11/96						
EXHIBIT 10						
ADDENDUM ACKNOWLEDGEMENT						
I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.						
ADDENDUM NOS. :						
NO. 1 . . . Yes.						

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LINE	QUANTITY	UOP	CAT NO	ITEMNUMBER	UNIT PRICE	AMOUNT
NO. 2						
NO. 3						
NO. 4						
NO. 5						
I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF THE BIDS.						
VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING						
				SIGNATURE		
Fort Henry Realty Inc. dba Advanced Communications Co.				COMPANY		
1-13-09				DATE		
REV. 11/96						
CONTRACTORS LICENSE						
WEST VIRGINIA STATE CODE 21-11-2 REQUIRES THAT ALL PERSONS DESIRING TO PERFORM CONTRACTING WORK IN THIS STATE MUST BE LICENSED. THE WEST VIRGINIA CONTRACTORS LICENSING BOARD IS EMPOWERED TO ISSUE THE CONTRACTORS LICENSE. APPLICATIONS FOR A CONTRACTORS LICENSE MAY B						

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SIGNATURE 	TELEPHONE 304-233-3000	DATE 1-13-09
TITLE President/Owner	FEIN 550673459	ADDRESS CHANGES TO BE NOTED ABOVE

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<p>MADE BY CONTACTING THE WEST VIRGINIA DIVISION OF LABOR CAPITOL COMPLEX, BUILDING 3, ROOM 319, CHARLESTON, WV 25305. TELEPHONE: (304) 558-7890.</p> <p>WEST VIRGINIA STATE CODE 21-11-11 REQUIRES ANY PROSPECTIVE BIDDER TO INCLUDE THE CONTRACTORS LICENSE NUMBER ON THEIR BID.</p> <p>BIDDER TO COMPLETE:</p> <p>CONTRACTORS NAME: Fort Henry Realty Inc. dba Advanced Communications Co.</p> <p>CONTRACTORS LICENSE NO.: WV013681</p> <p>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FURNISH A COPY OF THEIR CONTRACTORS LICENSE PRIOR TO ISSUANCE OF A PURCHASE ORDER/CONTRACT</p> <p>APPLICABLE LAW</p> <p>THE WEST VIRGINIA STATE CODE, PURCHASING DIVISION RULES AND REGULATIONS, AND THE INFORMATION PROVIDED IN THE "REQUEST FOR QUOTATION" ISSUED BY THE PURCHASING DIVISION IS THE SOLE AUTHORITY GOVERNING THIS PROCUREMENT.</p> <p>ANY INFORMATION PROVIDED IN SPECIFICATION MANUALS, OR ANY OTHER SOURCE, VERBAL OR WRITTEN, WHICH CONTRADICTS OR ALTERS THE INFORMATION PROVIDED FROM THE SOURCES AS DESCRIBED IN THE ABOVE PARAGRAPH IS VOID AND OF NO EFFECT.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATI- CALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER.</p>						
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REV 1/2005						
NOTICE						
A SIGNED BID MUST BE SUBMITTED TO:						
DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130						
PLEASE NOTE: A CONVENIENCE COPY WOULD BE APPRECIATED THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:						
SEALED BID						
BUYER:-----RW/FILE 22-----						
REQ NO :-----PSH90063-----						
BID OPENING DATE:-----1/8/2009-----						
BID OPENING TIME:-----1:30 PM-----						
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:						
-----304-233-9666-----						
PLEASE PRINT OR TYPE NAME OF PERSON TO CONTACT CONCERNING THIS QUOTE: George Thieroff Jr.						
SEE REVERSE SIDE FOR TERMS AND CONDITIONS						
SIGNATURE		TELEPHONE			DATE	
		304-233-3000			1-13-09	
TITLE		FEIN			ADDRESS CHANGES TO BE NOTED ABOVE	
President/Owner		550673459				

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
PSH90063

PAGE
10

ADDRESS CORRESPONDENCE TO ATTENTION OF
ROBERTA WAGNER
304-558-0067

RFQ COPY

TYPE NAME/ADDRESS HERE

Fort Henry Realty Inc. dba
Advanced Communications Co.
2744 Eoff Street
Wheeling, WV 26003

HEALTH AND HUMAN RESOURCES
PINECREST HOSPITAL
105 SOUTH EISENHOWER DRIVE

BECKLEY, WV
25801

304-256-6614

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS		
11/25/2008						
BID OPENING DATE: 01/08/2009		BID OPENING TIME 01:30PM				
LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0002	5	EA		936-73	\$246.77	\$1,233.85
	UNINTERRUPTIBLE POWER SUPPLY					
0003	5	EA		936-73	\$147.42	\$737.10
	16 CHANNEL POWER SUPPLY					
0004	53	EA		936-73	\$175.00	\$9,275.00
	SONY SPE-110, OR EQUAL, VANDAL PROOF DOME CAMERA					
0005	10	EA		936-73	\$301.40	\$3,014.00
	Outdoor Day/Night Camera w/Varifocal Lens					

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
	304-233-3000	1-13-09
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
President/Owner	550673459	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
PSH90063

PAGE
11

ADDRESS CORRESPONDENCE TO ATTENTION OF
ROBERTA WAGNER 304-558-0067

RFQ COPY

TYPE NAME/ADDRESS HERE

Fort Henry Realty Inc. dba
Advanced Communications Co.
2744 Eoff Street
Wheeling, WV 26003

HEALTH AND HUMAN RESOURCES
PINECREST HOSPITAL
105 SOUTH EISENHOWER DRIVE

BECKLEY, WV
25801

304-256-6614

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS		
11/25/2008						
BID OPENING DATE: 01/08/2009		BID OPENING TIME 01:30PM				
LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0006	1	JB		936-73	\$12,812.62	\$12,812.62
MOUNTING BRACKETS, CABLE AND CABLE TERMINATIONS WITH						
0007	1	JB		936-73	N/A Included w/ DVR	N/A Included w/ DVR
REQUIRED SOFTWARE FOR SECURITY SYSTEM						
0008	1	JB		936-73	\$29,250.00	\$29,250.00
LABOR COSTS						
0009	1	LS		936-73	\$1,500.00	\$1,500.00
MISCELLANEOUS COSTS						
***** THIS IS THE END OF RFQ PSH90063 ***** TOTAL:						\$68,780.27
SEE REVERSE SIDE FOR TERMS AND CONDITIONS						
SIGNATURE			TELEPHONE		DATE	
			304-233-3000		1-13-09	
TITLE		FEIN		ADDRESS CHANGES TO BE NOTED ABOVE		
President/Owner		550673459				

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

Bid Schedule / Cost Proposal

Quantity	Description	Price for Each	Extended Amount
5 each	Digital Video Recorders per specifications	\$ <u>2,191.54</u>	\$ <u>10,957.70</u>
5 each	Uninterruptible Power Supply	\$ <u>246.77</u>	\$ <u>1,233.85</u>
5 each	16 channel Power Supply	\$ <u>147.42</u>	\$ <u>737.10</u>
53 each	Sony SPE-110 (or equal) vandal proof dome camera with 3.5-8mm auto focusing lens for indoor use	\$ <u>175.00</u>	\$ <u>9,275.00</u>
10 each	Outdoor Day/Night Camera With Varifocal Lens	\$ <u>301.40</u>	\$ <u>3,014.00</u>
1 job	Mounting brackets, cable and cable terminations with a minimum of 3' length, conduit and junction boxes, other miscellaneous hardware and network equipment.	\$ <u>-----</u>	\$ <u>12,812.62</u>
1 job	Required software for security system	N/A \$ <u>Included In DVR</u>	N/A \$ <u>Included In DVR</u>
1 job	Labor costs	\$ <u>-----</u>	\$ <u>29,250.00</u>
All other costs (please specify)		\$ <u>-----</u>	\$ <u>1,500.00</u>
Grand Total		\$ <u>-----</u>	\$ <u>68,780.27</u>

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

VENDOR OWING A DEBT TO THE STATE:

West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

West Virginia Code §21-1D-5 provides that: Any solicitation for a public improvement construction contract shall require each vendor that submits a bid for the work to submit at the same time an affidavit that the vendor has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code. A public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the West Virginia Code may take place before their work on the public improvement is begun

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid

LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and is in compliance with the requirements as stated

Vendor's Name: Fort Henry Realty Inc. dba Advanced Communications Co.

Authorized Signature: 

Date: 1-13-09

JAN. 2 2009 11:44AM

WV DIV OF PURCH



State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Request for Quotation

NO 5367

P. 1/9

RFQ NUMBER

PSH90063

1

ADDRESS CORRESPONDENCE TO ATTENTION OF

ROBERTA WAGNER
304-558-0067

RFQ COPY

TYPE NAME/ADDRESS HERE

Advanced Communication S
Attn: Roy Hayhurst

HEALTH AND HUMAN RESOURCES
PINECREST HOSPITAL
105 SOUTH EISENHOWER DRIVE

BECKLEY, WV
25801

304-256-6614

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
01/02/2009				

BID OPENING DATE:

01/15/2009

BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>ADDENDUM NO. 1</p> <p>1. TO MOVE BID DATE OPENING FROM 1/8/9 TO 1/15/9.</p> <p>2. TO CHANGE QUANTITIES:</p> <p>ITEM 3.2.1-A TOTAL OF FIVE (5) DIGITAL VIDEO RECORDERS (DVR) WILL BE REQUIRED. (THIS WAS CHANGED FROM EIGHT (8) DVR'S THAT WAS LISTED IN THE ORIGINAL SPECIFICATIONS.)</p> <p>ITEM 3.7.2-FIVE (5) 16 CHANNEL POWER SUPPLIES WILL BE REQUIRED. (THIS WAS CHANGED FROM EIGHT (8) 16 CHANNEL POWER SUPPLIES THAT WAS LISTED IN THE ORIGINAL SPECIFICATIONS.)</p> <p>3. QUESTIONS AND ANSWERS ATTACHED.</p> <p>4. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID.</p> <p>EXHIBIT 10</p> <p>REQUISITION NO.: PSH90063</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S:</p> <p>NO. 1 YES</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE

TELEPHONE

DATE

304-233-3000

1-13-09

TITLE

FERN

ADDRESS CHANGES TO BE NOTED ABOVE

President/Owner

550673459

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

JAN 2 2009 11:45AM

WV DIV OF PURCH

NO 5367

P 2/9



State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

request for Quotation

RFQ NUMBER

PSH90063

PAGE

2

ADDRESS CORRESPONDENCE TO OR INTENTION OF

ROBERTA WAGNER
304-558-0067

RFQ COPY

TYPE NAME/ADDRESS HERE

Fort Henry Realty Inc. dba
Advanced Communications Co.
2744 Eoff Street
Wheeling, WV 26003

HEALTH AND HUMAN RESOURCES
PINECREST HOSPITAL
105 SOUTH EISENHOWER DRIVE

BECKLEY, WV
25801

304-256-6614


DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
01/02/2009				

BID OPENING DATE:


01/15/2009

BID OPENING TIME

01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
NO. 2						
NO. 3						
NO. 4						
NO. 5						
I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.						
VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.						
 SIGNATURE Fort Henry Realty Inc. dba Advanced Communications Co.... COMPANY 1-13-09 DATE						
REV. 11/96						
END OF ADDENDUM NO. 1						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
	304-233-3000	1-13-09
TITLE	FAX	ADDRESS CHANGES TO BE NOTED ABOVE
President/Owner	550673459	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

BID BOND

Fort Henry Realty Inc. DBA
Advanced Communications Co

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned _____
of Wheeling WV, _____, as Principal, and Erie Insurance P&C Co.
of Erie PA, _____, a corporation organized and existing under the laws of the State of _____
PA with its principal office in the City of Erie as Surety, are held and firmly bound unto the State
of West Virginia, as Obligatee, in the penal sum of 5% of bid (\$ 3,440.00) for the payment of which,
well and truly to be made, we jointly and severally bind ourselves, our heirs, administrators, executors, successors and assigns

The Condition of the above obligation is such that whereas the Principal has submitted to the Purchasing Section of the
Department of Administration a certain bid or proposal, attached hereto and made a part hereof, to enter into a contract in writing for
Video surveillance system at Pinecrest Hospital

NOW THEREFORE,

- (a) If said bid shall be rejected, or
(b) If said bid shall be accepted and the Principal shall enter into a contract in accordance with the bid or proposal attached
hereto and shall furnish any other bonds and insurance required by the bid or proposal, and shall in all other respects perform the
agreement created by the acceptance of said bid, then this obligation shall be null and void, otherwise this obligation shall remain in full
force and effect. It is expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event,
exceed the penal amount of this obligation as herein stated

The Surety, for the value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no
way impaired or affected by any extension of the time within which the Obligatee may accept such bid, and said Surety does hereby
waive notice of any such extension

IN WITNESS WHEREOF, Principal and Surety have hereunto set their hands and seals, and such of them as are corporations
have caused their corporate seals to be affixed hereunto and these presents to be signed by their proper officers, this
13th day of January, 2009

Principal Corporate Seal

Fort Henry Realty, Inc. DBA
Advanced Communications Co.

(Name of Principal)
By Guy V. Thieroff
(Must be President or
Vice President)
President
(Title)

Surety Corporate Seal

Erie Insurance Property & Casualty
(Name of Surety) Company

John Billie
Attorney-in-Fact

IMPORTANT - Surety executing bonds must be licensed in West Virginia to transact surety insurance. Raised corporate seals
must be affixed, a power of attorney must be attached.



ERIE
INSURANCE
GROUP

ERIE INSURANCE
PROPERTY & CASUALTY COMPANY
ERIE, PA 16530
POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That the ERIE INSURANCE PROPERTY & CASUALTY COMPANY, a corporation duly organized under the laws of the Commonwealth of Pennsylvania, does hereby make, constitute and appoint -----

----- John Billie and Joyce Wright -----

individually, its true and lawful Attorney-in-Fact, to make, execute, seal and deliver for and on its behalf, and as its act and deed: any and all bonds and undertakings of suretyship, -----

----- each in a penalty not to exceed the sum of five hundred thousand dollars (\$500,000 00). -----

And to bind the ERIE INSURANCE PROPERTY & CASUALTY COMPANY thereby as fully and to the same extent as if such bonds and undertakings and other writings obligatory in the nature thereof were signed by the appropriate officer of the ERIE INSURANCE PROPERTY & CASUALTY COMPANY and sealed and attested by one other of such officers, and hereby ratifies and confirms all that its said Attorney(s)-in-Fact may do in pursuance hereof.

The Power of Attorney is granted under and by authority of the following Resolution adopted by unanimous consent of the Board of Directors of ERIE INSURANCE PROPERTY & CASUALTY COMPANY on the 10th day of April, 1996 and said Resolution has not been amended or repealed:

"Resolved, that the President, or any Senior Vice President or Vice President shall have power and authority to: (a) Appoint Attorney(s)-in-Fact and to authorize them to execute on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and, (b) To remove any such Attorney-in-Fact at any time and revoke the power and authority given to him; and

Resolved, that Attorney(s)-in-Fact shall have power and authority, subject to the terms and limitations of the Power of Attorney issued to them, to execute and deliver on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof. The corporate seal is not necessary for the validity of any bonds and undertakings, recognizances, contract of indemnity and other writings obligatory in the nature thereof."

This Power of Attorney is signed and sealed by facsimiles under and by virtue of the following Resolution adopted by the unanimous consent of the Board of Directors of ERIE INSURANCE PROPERTY & CASUALTY COMPANY and said Resolution has not been amended or repealed:

"Resolved, that the signature of Stephen A. Milne, as President and Chief Executive Officer of the Company, and the Seal of the Company may be affixed by the following facsimiles on any Limited Power of Attorney for the execution of bonds, undertakings, recognizances, contracts and other writings in the nature thereof, and the signature of J. R. Van Gorder, as Secretary of the Company, and the Seal of the Company may also be affixed by the following facsimiles to any certificate of any such Limited Power of Attorney and only under such circumstances, shall said facsimiles be valid and binding on the Company."

IN WITNESS WHEREOF, the ERIE INSURANCE PROPERTY & CASUALTY COMPANY has caused these presents to be signed by its President and Chief Executive Officer, and its corporate seal to be hereto affixed this 12th day of June, 2000



Stephen A. Milne
President and Chief Executive Officer

STATE OF PENNSYLVANIA } ss
COUNTY OF ERIE

On this 12th day of June, A D 2000, before me personally came Stephen A. Milne, to me known, who being by me duly sworn, did depose and say: that he is President and Chief Executive Officer of ERIE INSURANCE PROPERTY & CASUALTY COMPANY, the corporation described in and which executed the above instrument; that he knows the Seal of said corporation; that the Seal affixed to the said instrument is such corporate Seal; that it was so affixed by order of the Board of Directors of said corporation and that he signed his name thereto by like order.



My commission expires June 27, 2004
Notary Public

CERTIFICATE

I, J. R. Van Gorder, as Secretary of the ERIE INSURANCE PROPERTY & CASUALTY COMPANY, do hereby certify that the original POWER OF ATTORNEY, of which the foregoing is a full, true and correct copy, is still in full force and effect as of the date below.

In witness whereof, I have hereunto subscribed my name and affixed corporate Seal of the Company by facsimiles pursuant to the action of the Board of Directors of the Company,



J. R. Van Gorder, Secretary

this 13th day of January 2009

Corporate Headquarters
2744 Eoff Street
P.O. Box 6650
Wheeling, WV 26003
Phone: (304) 233-3000
Fax: (304) 233-9666



WV Lic # WV013681

BRANCH OFFICES
Beckley, WV
St. Albans, WV
Charleston, WV
Parkersburg WV
Greensburg, PA

JANUARY 12, 2009

PROPOSAL SUBMITTED TO: **HEALTH AND HUMAN RESOURCES
PINECREST HOSPITAL**
Attn: Roberta Wagner
105 South Eisenhower Drive
Beckley, WV 25801

INSTALL EQUIPMENT AT: Same

ARM ELECTRONICS VIDEO SURVEILLANCE SYSTEM:

	<u>Unit</u>	<u>Price:</u>	<u>Total:</u>
(53) C540MDVAIP 1/3" Indoor Color Dome Vandal Proof Cameras		\$175.00	\$9,275.00
(10) CX550DN Outdoor 1/3" Color Day/Night Camera		\$239.15	\$2,391.50
(10) VL550AI 1/3" Varifocal Auto Iris Lens 5-50MM		\$62.25	\$622.50
(10) OCH2 Outdoor Camera Housing w/ Heater & Blower		\$31.65	\$316.50
(10) OCHWMT Wall Mount Housing For Outdoor Camera		\$16.37	\$163.70
(5) AC1641UL 16 Camera Power Supply		\$147.42	\$737.10
(5) 103004259-5591 1440 UPS Battery Backup		\$246.77	\$1,233.85
(5) DVR161000CD120 16 Channel 1TB DVR		\$2,191.54	\$10,957.70
(1200) Feet of 1/2" EMT Conduit		\$0.24 ft.	\$288.00
(20) 54151A 4" Octagon Boxes		\$71.60	\$1,432.00
(24) TC121A Set Screw Connectors		\$16.69	\$400.56
(120) TK121A Set Screw Coupling		\$19.08	\$2,289.60
(400) TS101 One Hole Snap Straps		\$6.20	\$2,480.00
(2) Boxes Of Category 5 Plenum Cable		\$215.77	\$431.54
(126) BNCCRIMP BNC Connectors		\$1.02	\$128.52
(10) 221125 boxes of RG59 Siamese Plenum Cable		\$485.72	\$4,857.20
(10) Pounds Of 3M Fire Stop		\$2.50	\$25.00
Labor			\$29,250.00
Miscellaneous			\$1,500.00

TOTAL COST FOR THE ABOVE:

\$68,780.27

Price Above Includes The Following:

► 1-Year Warranty

"Providing Communication Solutions For Your Business"

Corporate Headquarters
2744 Eoff Street
P.O. Box 6650
Wheeling, WV 26003
Phone: (304) 233-3000
Fax: (304) 233-9666



WV Lic # WV013681

BRANCH OFFICES
Beckley, WV
St Albans, WV
Charleston, WV
Parkersburg, WV
Greensburg PA

HEALTH AND HUMAN RESOURCES
"Pinecrest Hospital"

Installation Plan:

Should Advanced Communications Company be the successful bidder, our installation plans is as follows:

With receipt of Purchase Order Advanced Communications Company will place its order with all vendors involved with this project. We should allow three weeks for complete delivery of needed equipment.

Upon receipt of equipment Advanced Communicaitons Company will start installation of equipment on 1st floor and basement areas working up to the upper floors.

Upon completion we will have a walk thru with staff & provide a training session for information system personnel.

Length of project is estimated at 120 days

Drawing in this document are representative of how the basic installation will be achieved

Locations of DVR's may vary due to construction issues and the number of camera's assigned to individual DVR's.

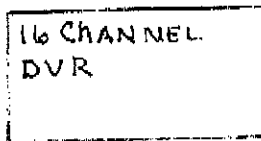
Drawings legend:



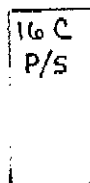
C540MDVAIVP Indoor Dome Camera



CX550DN Outdoor Cameras with VL550AI Lens
OCH2 Heater
OCHWT Wall Mount



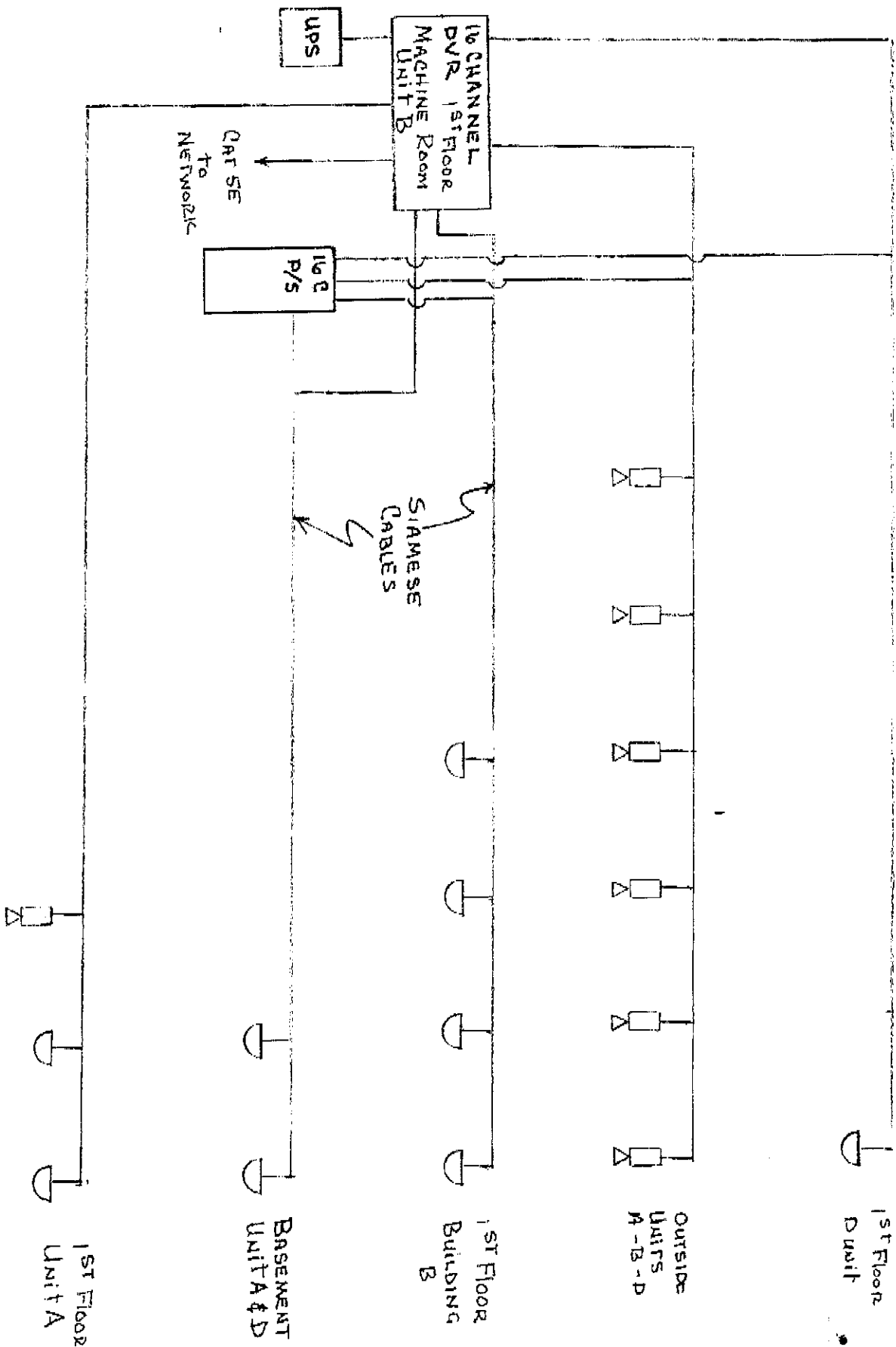
DVR DVR161000CD120

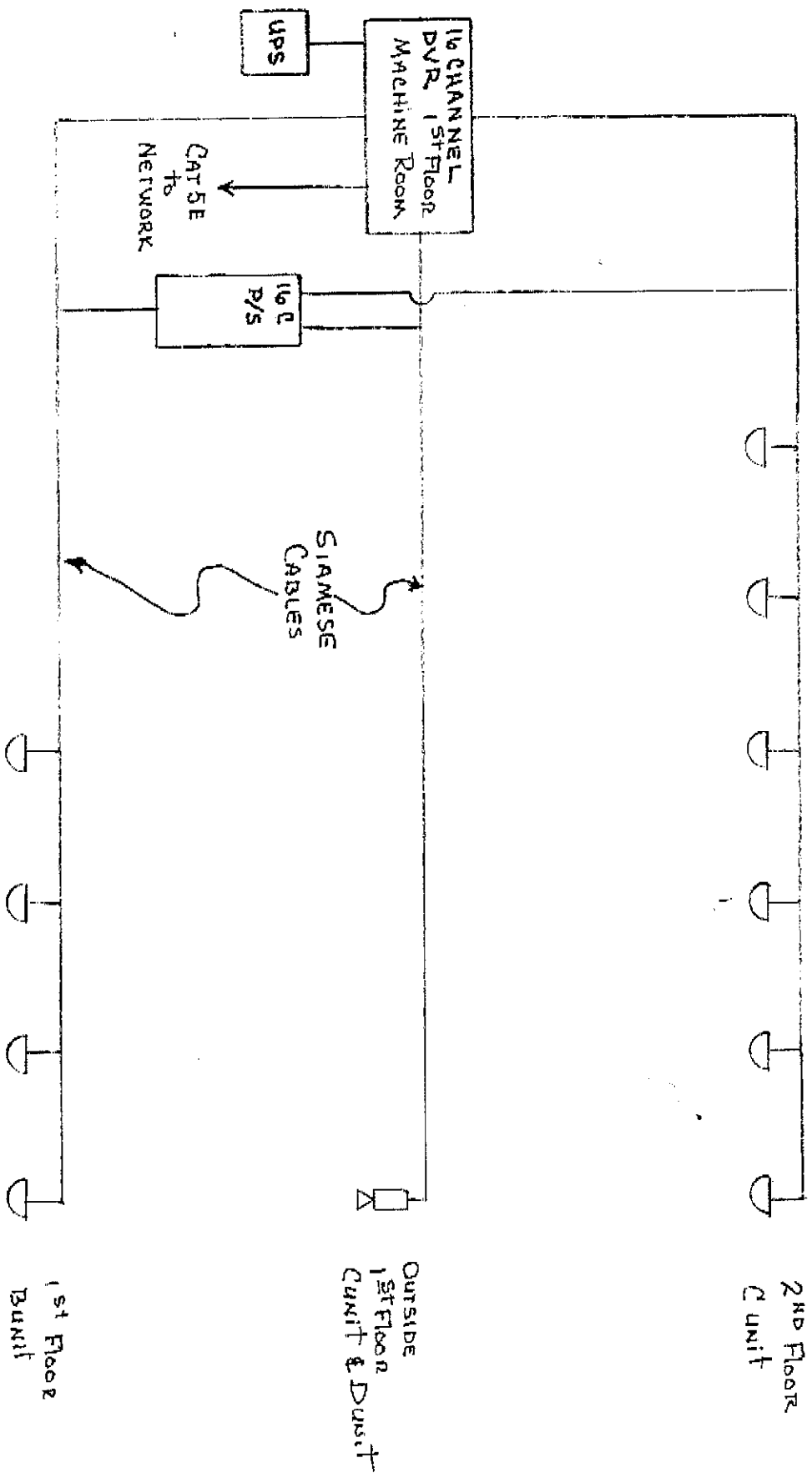


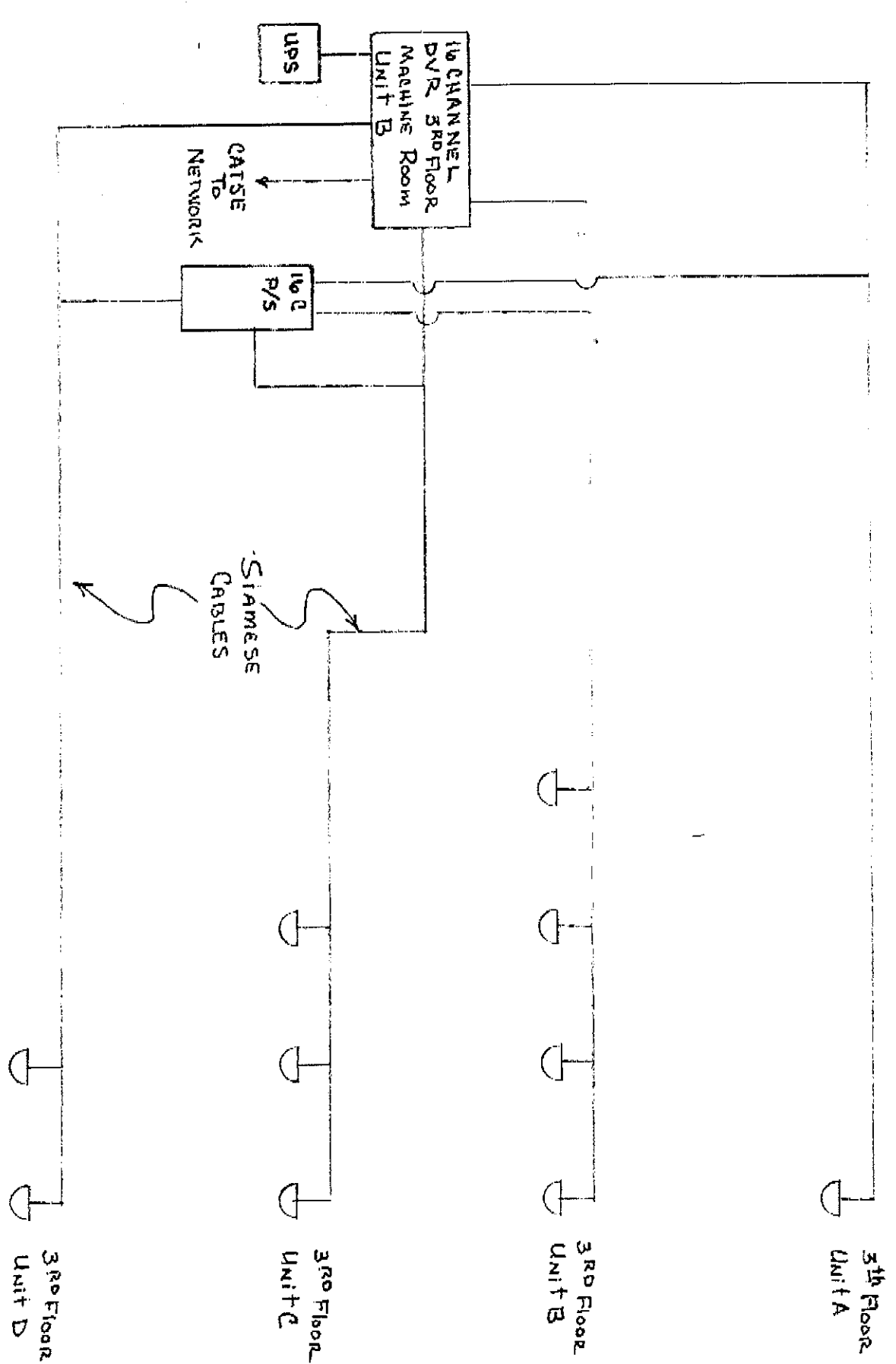
AC1641UL Power Supply

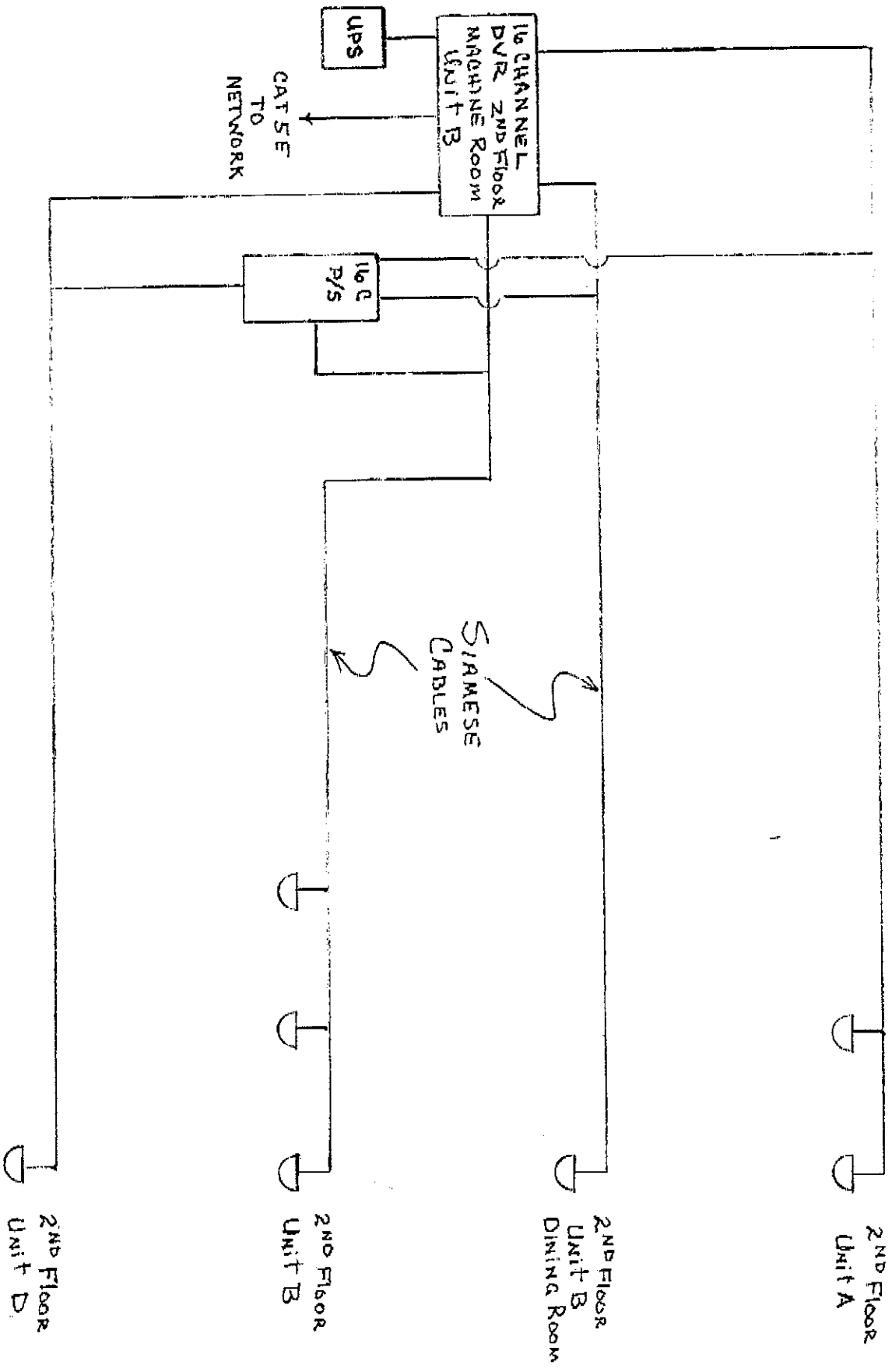


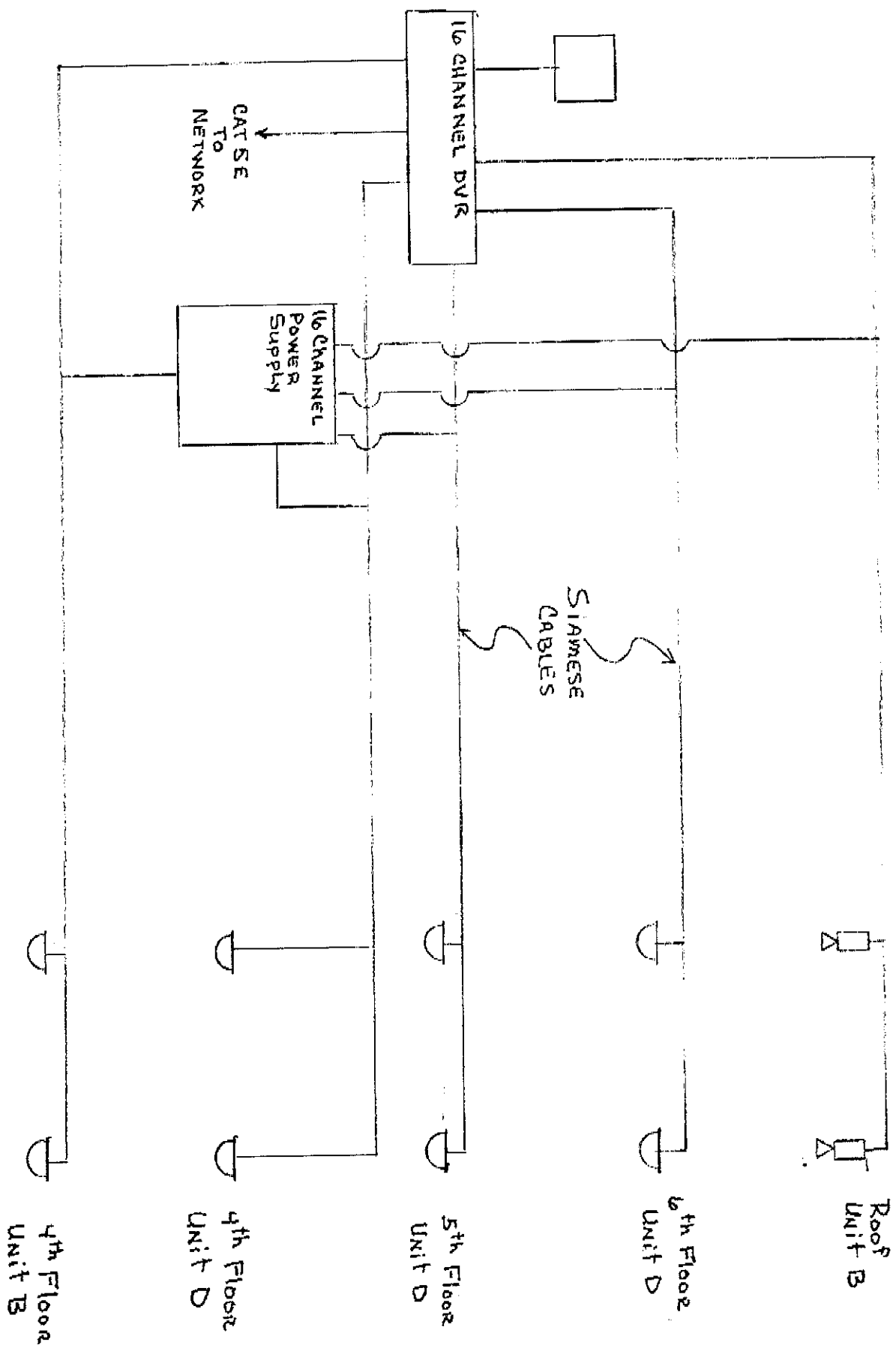
10300042959-5591 Battery Backup





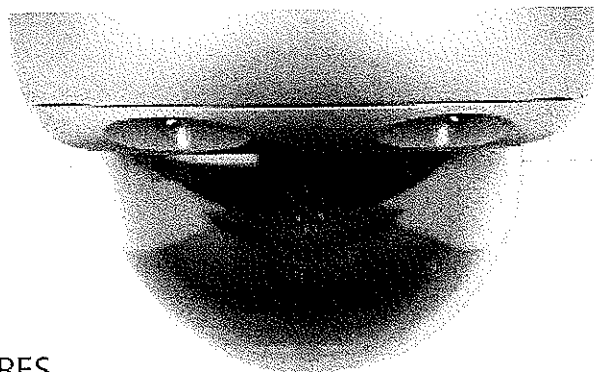






C540MDVAIVP

COLOR VARI-FOCAL VANDAL DOME CAMERA



PRODUCT FEATURES

- 540 LINES OF RESOLUTION
- VARI-FOCAL AUTO-IRIS LENS
- DUAL VOLTAGE POWER
- 3-AXIS DOME CAMERA

SPECIFICATIONS

TYPE	COLOR
POWER	12VDC/24VAC
FORMAT	NTSC
SYNC SYSTEM	LINE LOCKED
IMAGE PICK-UP	1/3" COLOR CCD
SCANNING SYSTEM	2:1 INTERLACE
VIDEO OUTPUT	BNC, 1 VP-P, 75 OHMS
MIN. ILLUMINATION	0.7 LUX @ F1.2 (AGC OFF)
RESOLUTION	540 TV LINES
BACKLIGHT	YES
ELECTRONIC SHUTTER	1/60 - 1/100,000 S
WHITE BALANCE	AUTO
LENS	VARIFOCAL AUTO IRIS LENS
AGC	YES
S/N RATIO	>48DB
TEMP	14F - 122F
WEIGHT	1.98 LBS

FIXED CAMERAS

RECOMMENDED ACCESSORIES

VPMDWMT

VANDAL DOME WALL MOUNT

OTHER MODELS AVAILABLE

C540MD2VAIVP (2 6-6MM LENS)

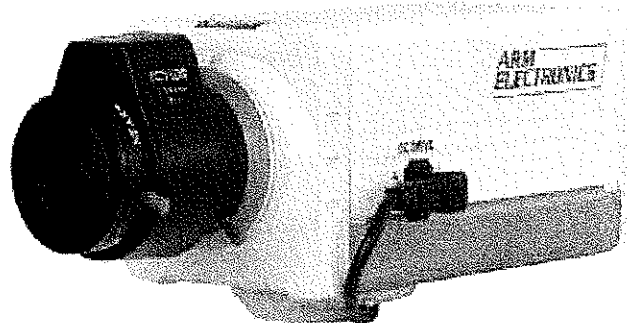
C540MD9VAIVP (9-22MM LENS)

ARM Electronics
8860 Industrial Avenue, Suite 140 Roseville CA 95678
Toll Free: 888 771 4544 Phone: 916.787 1100
www.armelectronics.com sales@armelectronics.com

**ARM
ELECTRONICS**

CX550DN

DAY/NIGHT HIGH RESOLUTION PROFESSIONAL CAMERA



PRODUCT FEATURES

- 550 LINES OF RESOLUTION
- DUAL VOLTAGE POWER
- LENS SOLD SEPARATELY
- EX-VIEW CHIPSET
- TRUE DAY/NIGHT CUT FILTER

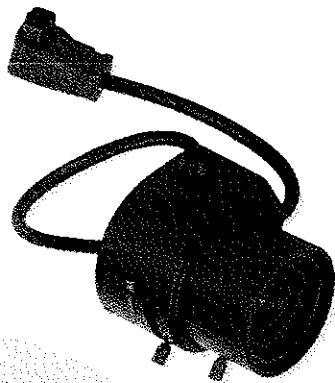
SPECIFICATIONS

TYPE	DAY/NIGHT
POWER	12VDC/24VAC
FORMAT	NTSC
PICK-UP DEVICE	1/3" COLOR EXVIEW CCD
RESOLUTION	550 TV LINES
MIN. ILLUM.	0.03 LUX @ F1.4
MIN. ILLUM. DN	0.003 LUX @ F1.4
CUT FILTER	MECHANICAL
ELEC. SHUTTER	1/60-1/100,000 S
S/N RATIO	>48DB
SCANNING SYSTEM	2:1 INTERLACE
PICTURE ELEMENTS	768 X 494
AUTO IRIS LENS	DC DRIVE
VIDEO OUTPUT	BNC, 1 VP-P, 75 OHMS
GAMMA	0.45
BACK LIGHT	YES
DIMENSIONS (WXHxD)	2.4" X 2.6" X 5"
WEIGHT	1.76 LBS

FIXED CAMERAS

ARM Electronics
8860 Industrial Avenue Suite 140 ■ Roseville CA 95678
Toll Free: 888.771.4544 ■ Phone: 916.787.1100
www.armelectronics.com ■ sales@armelectronics.com

**ARM
ELECTRONICS**



MANUAL/AUTO-IRIS VARIFOCA LENSES

VL358MI

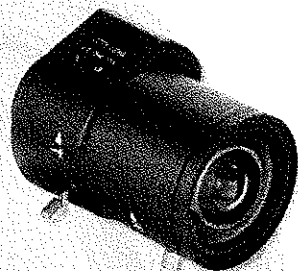
3.5-8mm MANUAL IRIS LENS

VL358AI

3.5-8mm AUTO IRIS LENS

SPECIFICATIONS

TYPE	VARIFOCA LENS
FOCAL LENGTH	3.5-8mm
APERTURE	1:1.4
MOUNT	CS
IRIS	MANUAL, DC AUTO
DIMENSIONS	1.3" x 1.7"
WEIGHT	14 LBS



VL2812MI

2.8-12mm MANUAL IRIS LENS

VL2812AI

2.8-12mm AUTO IRIS LENS

SPECIFICATIONS

TYPE	VARIFOCA LENS
FOCAL LENGTH	2.8-12mm
APERTURE	1:1.4
MOUNT	CS
IRIS	MANUAL, DC AUTO
DIMENSIONS	1.57" x 2.2"
WEIGHT	14 LBS



VL550MI

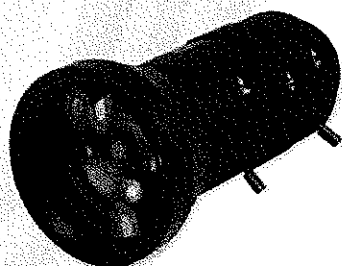
5-50mm MANUAL IRIS LENS

VL550AI

5-50mm AUTO IRIS LENS

SPECIFICATIONS

TYPE	VARIFOCA LENS
FOCAL LENGTH	5-50mm
APERTURE	1:1.4
MOUNT	CS
IRIS	MANUAL, DC AUTO
DIMENSIONS	1.5" x 3.5"
WEIGHT	29 LBS



VL5100MI

5-100mm MANUAL IRIS LENS

VL5100AI

5-100mm AUTO IRIS LENS

SPECIFICATIONS

TYPE	VARIFOCA LENS
FOCAL LENGTH	5-100mm
APERTURE	1:1.8
MOUNT	CS
IRIS	MANUAL, DC AUTO
DIMENSIONS	1.9" x 4.3"
WEIGHT	47 LBS

auto or
manual **iris**

varifocal

OUTDOOR CAMERA HOUSING OCH1

PRODUCT FEATURES

- LOCKABLE CLASP
- WEATHERPROOF

SPECIFICATIONS

CONSTRUCTION	HEAVY-DUTY ALUMINUM
FINISH	BEIGE
DIMENSION	13" x 5.2" x 4.1"
MAX CAMERA SIZE	3.93" W x 3.14" H x 11.81" L
WEIGHT	3.5 LBS

HOUSING WITH HEATER/ BLOWER OCH2

PRODUCT FEATURES

- 24VDC HEATER/ BLOWER
- LOCKABLE CLASP
- WEATHERPROOF

HOUSING WITH 75' IR AND HEATER/BLOWER OCHIR75

PRODUCT FEATURES

- 12VDC HEATER/ BLOWER
- LOCKABLE CLASP
- WEATHERPROOF
- IR RANGE OF 75FT

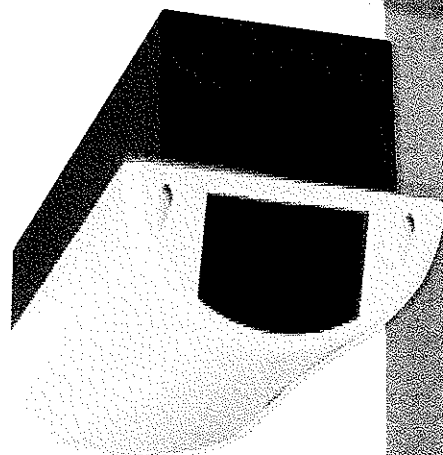
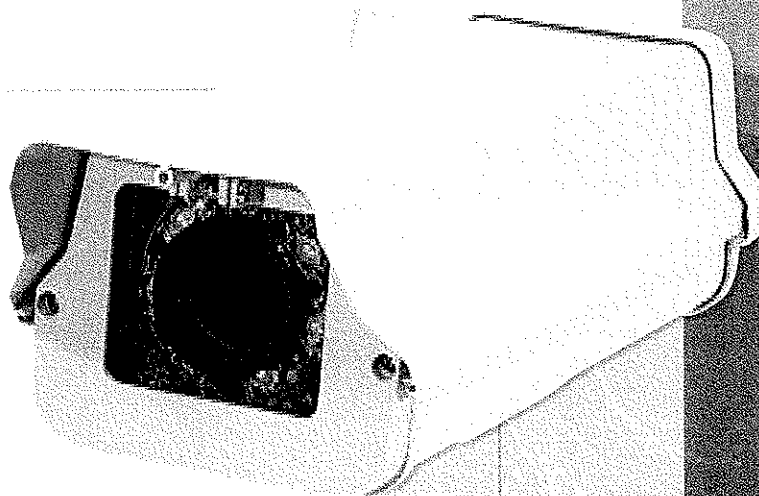
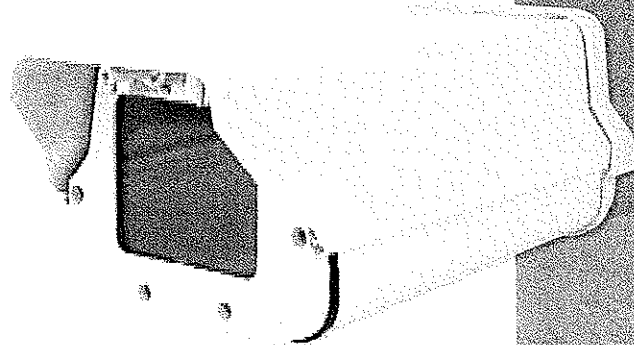
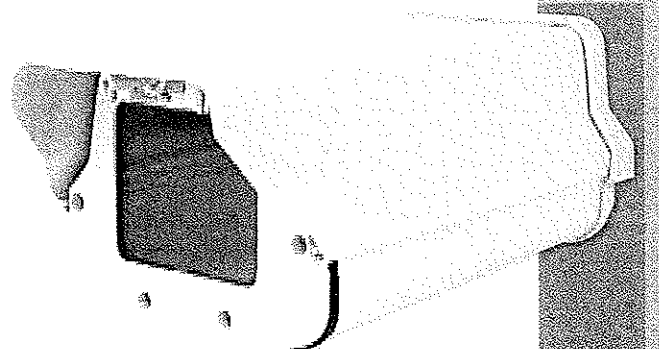
INDOOR WEDGE CAMERA HOUSING ICHWEDGE

PRODUCT FEATURES

- IDEAL FOR DROP CEILING APPLICATIONS
- MOUNTING HARDWARE INCLUDED

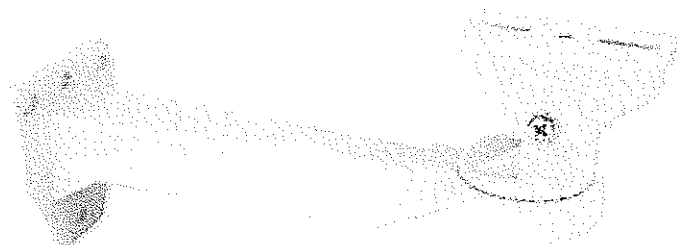
SPECIFICATIONS

CONSTRUCTION	HEAVY-DUTY ALUMINUM
FINISH	BEIGE
DIMENSION	4.92" W x 3.93" H x 13.18" D
MAX CAMERA SIZE	3.93" W x 2.75" H x 11.02" L
WEIGHT	3.35 LBS



OCHWMT

WALL MOUNT FOR OCH CAMERA HOUSING



PRODUCT FEATURES

- WEATHERPROOF
- USE WITH OCH1, OCH2, AND OCHIR75

SPECIFICATIONS

MAX LOAD	12 LBS
CONSTRUCTION	ALUMINUM
FINISH	BEIGE
DIMENSION	11.2"
SIZE BASE	3.8" X 3.3"
WEIGHT	1.8 LBS
SWIVEL ANGLE	360°
TILT ANGLE	90°

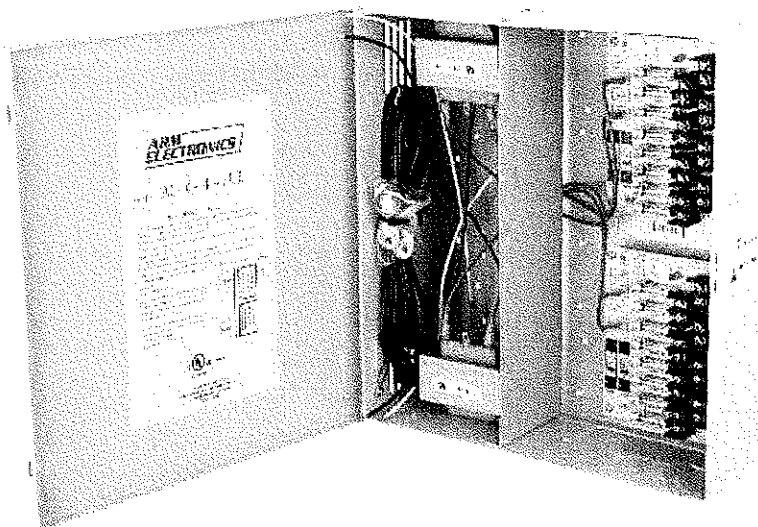
PERIPHERAL DEVICES

ARM Electronics
8860 Industrial Avenue Suite 140 ■ Roseville CA 95678
Toll Free: 888 771 4544 ■ Phone: 916 787 1100
www.armelectronics.com ■ sales@armelectronics.com

ARM
ELECTRONICS

AC1641UL

16 CAMERA 24VAC POWER SUPPLY



PRODUCT FEATURES

- PTC PROTECTED
- INCLUDES ELECTRONIC FUSES
- MEETS CLASS 2 REQUIREMENTS
- UL LISTED

SPECIFICATIONS

AMPERAGE	15 AMP
MAX CURRENT/CHANNEL	940mA
VOLTAGE AMPS	100

ACCESSORIES/PROBLEM SOLVERS

ARM Electronics
8860 Industrial Avenue Suite 140 ☐ Roseville CA 95678
Toll Free: 888 771 4544 ☐ Phone: 916 787 1100
www.armelectronics.com ☐ sales@armelectronics.com

**ARM
ELECTRONICS**

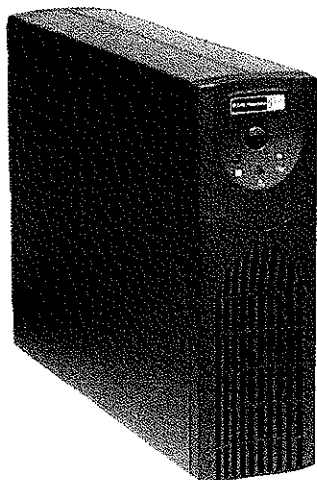
EAT•N

Powerware

Powerware® 5110 UPS Uninterruptible Power System

Product Focus

500-1500 VA power protection for PC,
telephone and networking equipment



Features

- Protect the integrity of your data and applications by shielding electronic equipment from power outages, surges, sags, brownouts, and overvoltage conditions
- Save space with a compact design that can be deployed as a tower, under a computer monitor, or in a rack
- Protect loads on eight outlets—four with surge suppression and battery backup, four with surge suppression only
- Deliver consistent, clean output with automatic voltage regulation (AVR) that doesn't drain battery power
- Extend UPS service life with user-replaceable batteries
- Protect networked equipment from "back door" power surges coming through LAN or telephone lines
- Stay informed of power problems and battery conditions with audible alarms and remote alarm notification via e-mail, pager, the Web, or SNMP
- Deliver short-term mobile power with start-on-battery capability
- USB port and cables are standard
- Rest easy with a two-year limited warranty, five-year pro-rated warranty, and \$150,000 load protection guarantee (US and Canada). Optional multi-year Gold Plan service is available to provide repair and replacement coverage that goes beyond the provisions of the limited warranty.

Product Snapshot

Power Rating:	500–1500 VA
Voltage:	120V and 230V
Frequency:	50 Hz and 60 Hz auto-sensing
Configuration:	Plug-and-play tower, under monitor or 2U rackmount
Topology:	Line-interactive

As much as business depends on electric power, public utility power is anything but dependable. By law, public utilities do not have to supply computer-grade power. That's bad news in an age when sensitive computer systems form the core of virtually all business functions. Advances in processing capacity and miniaturization make these systems more susceptible than ever to power fluctuations—and make system crashes and data losses more costly than ever.

According to National Power Laboratories (NPL) and the Electric Power Research Institute, the typical power customer location can experience an average of 24 power disturbances each month, costing the US economy \$119 billion to \$188 billion every year.

You don't have to be a part of those statistics. Effective protection is here at a very attractive price.

Introducing the Powerware 5110 UPS

The Powerware 5110 uninterruptible power system (UPS) provides a layer of defense between your equipment and raw utility power. This line-interactive UPS constantly safeguards your systems from power outages, surges, sags, brownouts, and overvoltage conditions—and provides varying degrees of protection from other power problems as well. If utility power is interrupted, even briefly, the Powerware 5110 UPS transfers to battery power.

Affordable protection for small to medium organizations

Incorporating more than 40 years of UPS design experience, the Powerware 5110 UPS provides cost-effective power management, backup power, and power quality for office

workstations, PBX or key telephone systems, servers, small network nodes, point-of-sale systems, and computer peripheral devices. This UPS is ideal for any small- to mid-sized business or institutional setting where reliable power must be provided at an affordable price.

Automatic Voltage Regulation (AVR)—clean power without draining the battery

The Powerware 5110 UPS uses AVR to smooth out wide fluctuations in input voltage. If input voltage varies as much as 25 percent over or 23 percent under nominal voltage—which can easily happen when running on generator power or in severe environments—the Powerware 5110 UPS accepts this inconsistent voltage and delivers clean, consistent output for protected equipment.

AVR enables you to work through even the most frequent brownouts and power sags.

Unlike typical line-interactive systems, the Powerware 5110 UPS does not switch back and forth to battery power to accomplish this voltage regulation—which would shorten battery life and increase battery replacement costs. As a result, battery power is conserved for when you really need it.

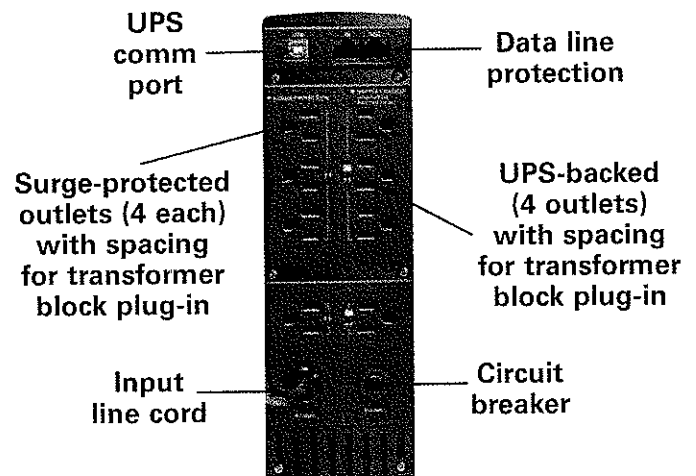
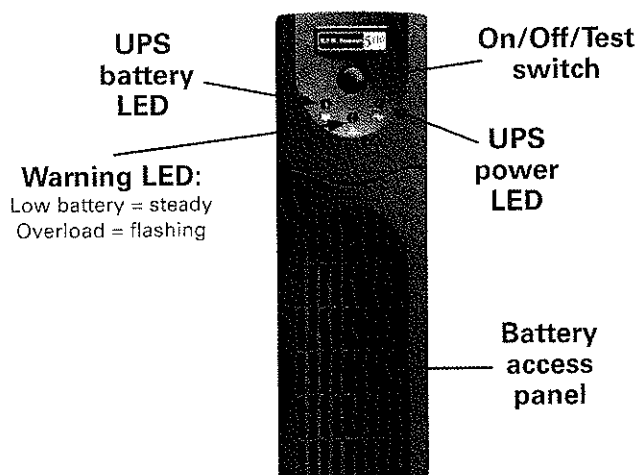
Eight outlets in a low-profile tower or rackmount package

The Powerware 5110 UPS occupies a small footprint—about the size of a dictionary for low-power units (500–700 VA) or a sleek tower for higher-rated models (1000–1500 VA). This tower package fits easily under a monitor or can be rackmounted in only 2U of rack space.

The cost-effective design features eight outlets: four with surge protection and battery backup and four with surge protection only. You can plug less critical equipment, such as printers or monitors, into surge-protection-only outlets that do not drain battery power.

Protection for data lines

Incoming power lines aren't the only source of damaging surges. Power also travels across network links, such as LANs and telephone lines. The Powerware 5110 UPS uses an integral network transient protector to safeguard network-connected equipment—such as fax machines, modems, or electronic telephones—from "back door" power surges coming through network or phone wiring.



The Powerware 5110 UPS delivers confidence—confidence that your vital business equipment is protected and confidence that Eaton will be there with you for the long term.

Short-term power for mobile applications

The Powerware 5110 UPS supports start-on-battery capability, which means you can unplug the UPS from utility power, then restart and run it from battery power elsewhere. This capability offers tremendous flexibility for short-term powering needs, such as in mobile offices or service vans.

User-replaceable batteries for extended service life

Many UPS products in this range are useful only up to the service life of their batteries. When the battery fails, the unit is worthless. Not so with the Powerware 5110 UPS. You can replace the batteries yourself—a simple process that can be performed by easy access through the front panel. When the audible alarm indicates that batteries need replacing, you can safely and easily install supplied batteries and remove

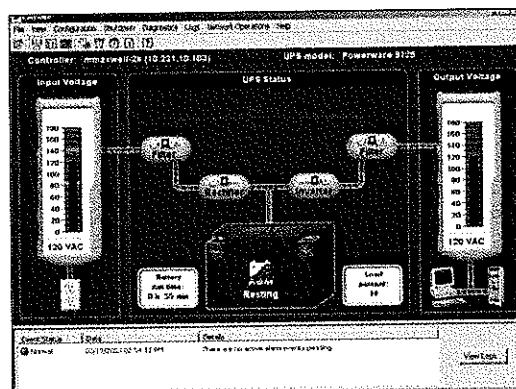
the old batteries for proper disposal and recycling. You can also choose to return the entire unit for repair or battery replacement under our warranty and service programs.

Easy-to-understand LEDs and audible alarms

You never have to guess about the status and condition of your Powerware 5110 UPS. Simple LED indicators and audible alarms warn of power problems and low battery conditions. The Battery LED illuminates when the UPS is operating on battery power. The Warning LED turns on when the battery is low and flashes under overload conditions.

Remote UPS monitoring from anywhere

You don't have to be within sight of the UPS to stay informed. You can connect the Powerware 5110 UPS to a network using the built-in USB



port, and monitor its working status. The UPS comes with Powerware LanSafe™ software, free of charge. This UPS management software gives you control and visibility over all your UPSs, using an intuitive, graphical interface.

Warranty coverage with load protection guarantee

Rest easy with industry-leading protection from Eaton. The Powerware 5110 UPS is backed by a two-year limited warranty, a ten-year pro-rated warranty,

and a \$150,000 load protection guarantee. We're that confident of the performance and reliability of the Powerware 5110 UPS.

To find out more about how the Powerware 5110 UPS can protect your critical equipment, applications, and data:

www.powerware.com
800-356-5794

BATTERY RUNTIMES (IN MINUTES)

VA	50W	100W	150W	200W	250W	350W	400W	500W	600W	700W	800W	900W
500	43	17	11	6	4							
700	53	30	14	9	7	4	3					
1000	X	64	X	28	X	X	12	8	5			
1500	X	74	X	35	X	X	14	10	7	6	5	4

This guide provides typical application information. Battery run times are approximate and may vary with equipment configuration, battery age, temperature, etc.

Powerware 5110 Technical Specifications

MODEL NUMBER	PW 5110 500	PW 5110 700	PW 5110 1000	PW 5110 1500
Part numbers	103004256-5501	103004257-5501	103004258-5501	103004259-5501

MODEL NUMBER	PW 5110 500i	PW 5110 700i	PW 5110 1000i	PW 5110 1500i
Part numbers	103004261-5501	103004262-5501	103004263-5501	103004264-5501

Capacity	500VA / 300W	700VA / 420W	1000VA/ 600W	1440VA/ 900W
Dimensions (HxWxD)	10.2x10.6x3.4 in	10.2x10.6x3.4 in	15.1x10.6x3.4 in	15.1x10.6x3.4 in
Unit weight	12.1lb/13.4lb	15.2lb/16.5lb	28.0lb/29.1lb	29.1lb/30.2lb
Input connections	6' Line cord with 90 deg.5-15P / IEC C14 inlet, 1.8 meter line patch cord IEC to IEC			
Output connections	8 Outlets (4 battery backup & surge protection; 4 surge protection only) 5-15R IECC 13			

OPERATION

Input voltage range	0-180Vac/0-300Vac
Output voltage range	Nominal -23% to +25%
On battery output voltage	Nominal -12% to +10%
Frequency	50/60 Hz auto sensing
Lighting / surge protection	120v models 320 joules; 230v models 476 joules
Safety	UL 1778, designed to meet UL497A, CAN/CSA0C22.2 No107.1/IEC 62040-1-1: CE low voltage directive
EMI	FCC Class B/IEC 62040-2, EN55022: Class B: CE EMC directive
Transfer time to battery/AC	2-6 msec. typical
Battery type	Sealed, maintenance free lead-acid battery
Typical backup time	3 minutes at full rated load
Internet / phone / fax protection	RJ11/RJ45
Short circuit protection	Circuit breaker
Communication port	USB

ENVIRONMENTAL

Operation temperature	0°C ~ 40°C
Operation relative humidity	0 to 95% non-condensing
Storage temperature	-15°C ~ 50°C

SOFTWARE

Powerware LanSafe Software is included free of charge.

SERVICE PLANS

POWERWARE PRODUCT	LENGTH OF SERVICE	GOLD PLAN PART NUMBER
5110 500-1500VA	3 YR	3XXGX5100XALLCX
5110 500-1500VA	5 YR	5XXGX5100XALLCX

REPLACEMENT BATTERIES

MODEL NUMBER	PART NUMBER	DESCRIPTION
PW5110 500VA	106711159-001	BATT. KIT 500VA PW5110
PW5110 700VA	106711160-001	BATT. KIT 700VA PW5110
PW 5110 1000VA	106711161-001	BATT. KIT 1000VA PW5110
PW5110 1500VA	106711162-001	BATT. KIT 1500VA PW5110

UNITED STATES
8609 Six Forks Road
Raleigh, NC 27615 U.S.A
Toll Free: 1.800.356.5794
or 919.872.3020

www.powerware.com

CANADA
Ontario: 416.798.0112
Toll Free: 1.800.461.9166

LATIN AMERICA
Argentina: 54.11.4343.6323
Brazil: 55.11.3616.8500
México: 52.55.5488.5252

EUROPE/MIDDLE EAST/AFRICA
Denmark: 45.3686.7910
Finland: 358.94.52.661
France: 33.1.6012.7400
Germany: 49.0.7841.604.0
Italy: 39.02.66.04.05.40
Norway: 47.23.03.65.50
Sweden: 46.8.598.940.00
United Kingdom: 44.1753.608.700

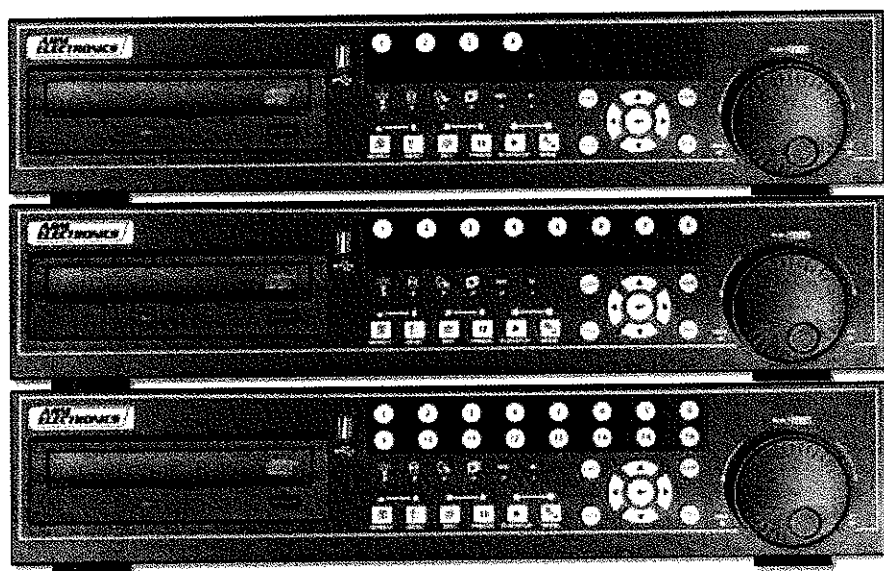
ASIA PACIFIC
Australia/NZ: 61.2.9693.9366
China: 86.21.6361.5599
HK/Korea/Taiwan: 852.2745.6682
India: 91.11.2649.9414 to 18
Singapore/SEA: 65.6825.1668

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August 2007

EAT•N

Powerware



DVRCD SERIES

MPEG-4
NETWORKABLE
DVR WITH
CD-R/W

SPECIFICATIONS

VIDEO FORMAT	NTSC
SPLIT SCREEN	YES
VIDEO INPUT	BNC x 4, BNC x 8, BNC x 16
LOOPING	YES
VIDEO OUTPUT	BNC x 2 (MASTER & CALL) VGA x 1, S-VIDEO x 1
COMPRESSION	MPEG-4
RESOLUTION	720 x 480, 720 x 240, 360 x 240
AUDIO	1 IN/1 OUT
RECORDING SPEED	UP TO 480 FRAMES PER SEC
STORAGE	INTERNAL HDD S
ARCHIVE	CD-R/W, NETWORK, USB
WEB INTERFACE	IE BROWSER
MOTION RECORDING	YES
ALARM INPUT/OUTPUT	UP TO 16 IN/3 OUT
PTZ CONTROL	RS-485
PASSWORD	YES
POWER INPUT	110VAC

SECURITY SIMPLIFIED

Making it Easy to
Get the Job Done

PRODUCT FEATURES

- UP TO 480 FPS RECORDING
- UP TO 2.25 TB STORAGE
- TRIPLEX OPERATION
- JOG SHUTTLE
- PTZ CONTROL

HD SIZE	4 CHANNEL 120FPS	8 CHANNEL 120FPS	16 CHANNEL 120 FPS	16 CHANNEL 480 FPS
160GB	DVR4160CD120	DVR8160CD120	DVR16160CD120	DVR16160CD480
250GB	DVR4250CD120	DVR8250CD120	DVR16250CD120	DVR16250CD480
320GB	DVR4320CD120	DVR8320CD120	DVR16320CD120	DVR16320CD480
500GB	DVR4500CD120	DVR8500CD120	DVR16500CD120	DVR16500CD480
640GB	DVR4640CD120	DVR8640CD120	DVR16640CD120	DVR16640CD480
1.0TB	DVR41000CD120	DVR81000CD120	DVR161000CD120	DVR161000CD480
1.5TB	DVR41500CD120	DVR81500CD120	DVR161500CD120	DVR161500CD480
2.25TB	DVR42250CD120	DVR82250CD120	DVR162250CD120	DVR162250CD480

WIREMOLD

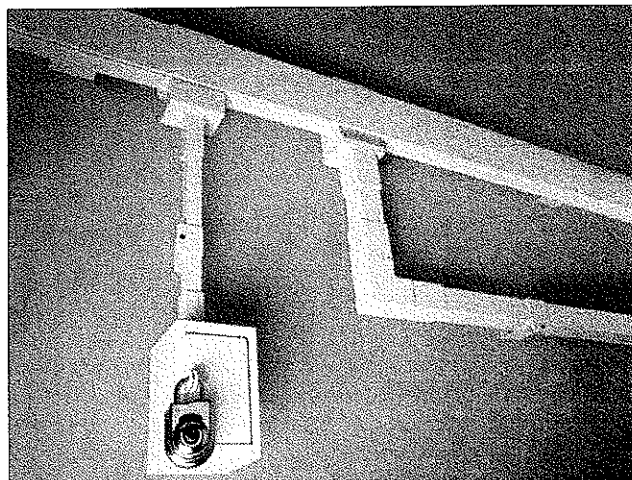
legrand®

Data-Fense™ Secure Raceway System

Enhanced Protection of Critical Networks *For Government, Financial Institutions, and R&D Facilities*

Information technology professionals in the Department of Defense, government agencies, corporations, R&D facilities, and financial institutions agree that enhanced physical security of wire and cable management systems is crucial to the overall reliability of high assurance networks. Within the government, physical security of classified networks is typically accomplished using a hardened carrier Protective Distribution System (PDS) for use as a protected pathway for these critical data networks.

The Data-Fense® Secure Raceway System from Wiremold/Legrand is designed to address the primary objectives: provide a modular, scalable raceway design that provides enhanced aesthetics above and beyond EMT, minimize the deployment cost and complexity for secure networks or SCIF facilities, and enhance the security of and ability to defend high assurance networks through multiple classification areas.



Data-Fense Secure Raceway System with a DOD approved lock provides security and protection for high assurance networks

Features & Benefits

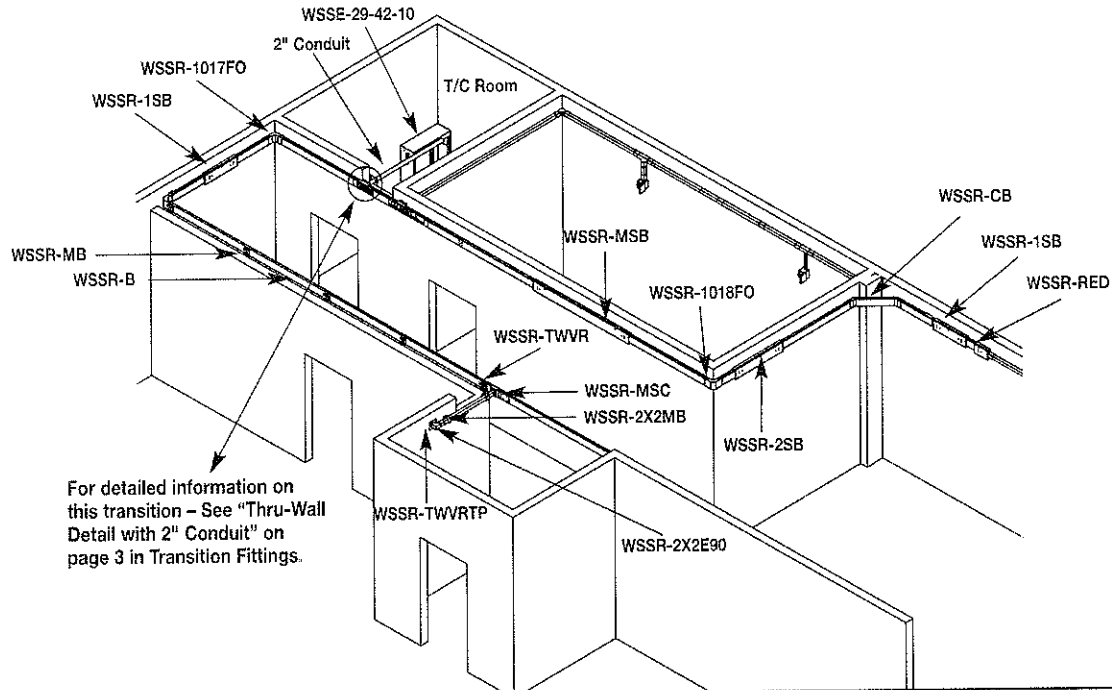
- **Structurally locking base and cover design.** Superior protection against overt, covert, and surreptitious attacks. Eliminates the need for distributed locking mechanisms.
- **Seams located on the front of the raceway.** Improves visual detection of attempts to penetrate the raceway along the base or cover. Speeds system inspections.
- **Mounting brackets offset raceway from wall.** Provides full 360° visual inspection of the raceway system and speeds system inspections.
- **Limited access.** Only access points to the system are through cable pull boxes or access enclosures that are secured by GSA approved hardened padlocks.
- **Fittings overlap.** Raceway covers slide onto base assemblies and overlap the "male-ended" fittings providing additional protection at every seam.
- **Universal fittings.** 2X2 and 1X1 Raceways have universal tee and elbow fittings reducing the number of components needed and speeding installation time.
- **Feeder channels.** In addition to the 4 3/4" x 1 3/4" [121mm x 44mm] raceway, Data-Fense Secure Raceway System also includes two sizes of feeder channels with a full selection of fittings that provide a higher level of system-wide protection, are easier to inspect, and are more aesthetically pleasing than conduit.
- **2" [51mm] bend radius.** All systems retaining 2" [51mm] bend radius compliance for use with multiple cable types.
- **Aesthetically pleasing.** Stocked color is fog white. Custom colors for Data-Fense Secure Raceway System match the colors offered for 4000 Series Raceway.
- **Durable and Secure.** Raceway, channels, fittings and enclosures of the Data-Fense Secure Raceway System are constructed of durable heavy gauge steel that meets hardened carrier Protection Distribution System (PDS) guidelines for use in protective pathways for critical data networks.
- **Factory-welded raceway adapters.** Enclosures have factory-welded raceway adapters which provide more security and speeds inspection time by eliminating the need to open enclosures for inspections.

NOTE: DoD locks, epoxy, and mounting hardware supplied by others. Secure Solutions Raceway System evaluated with Sargent & Greenleaf, DoD lock, and 3M Epoxy. Custom colors available. Consult the factory or your local Wiremold representative.

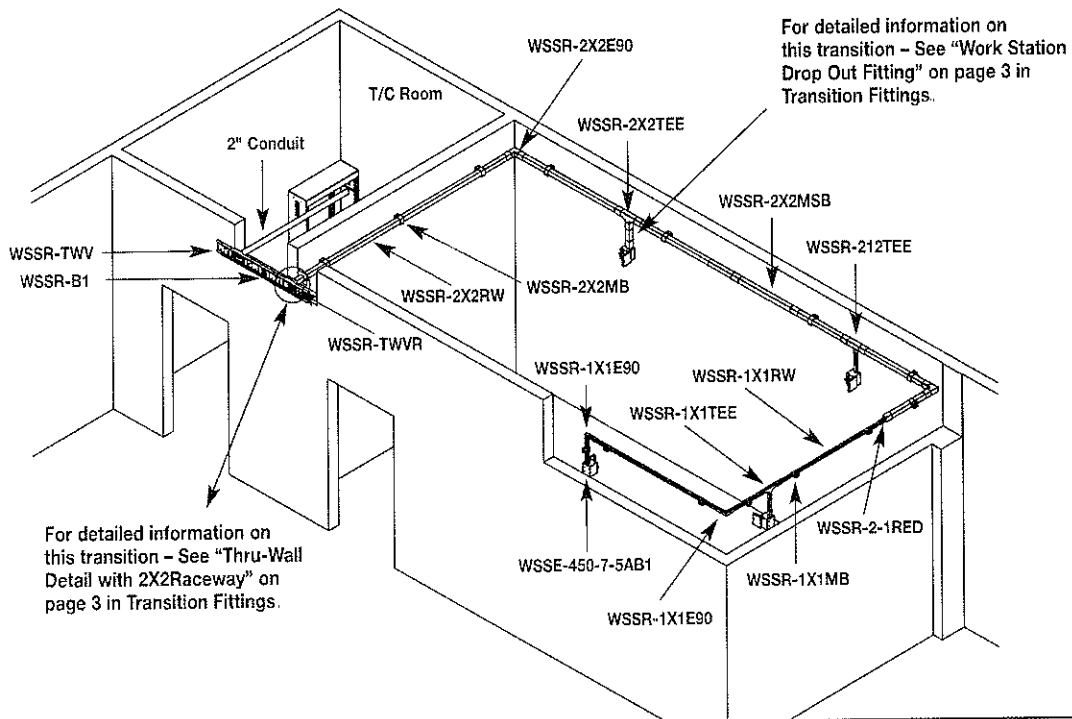
Data-Fense Secure Raceway System Configurability

While the standard product offering of Data-Fense[®] Secure Raceway System will meet the requirements for most installations, custom-designed fittings and options are also available. Consult the factory or your local Wiremold/Legrand representative for more information on the custom options available.

Data-Fense Secure Raceway System Header Layout

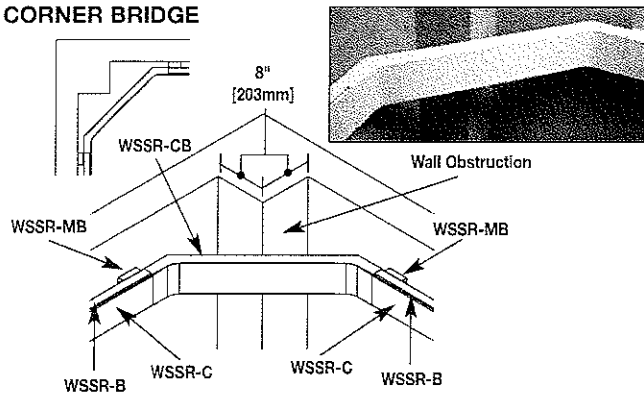


Data-Fense Secure Raceway System Feeder Layout

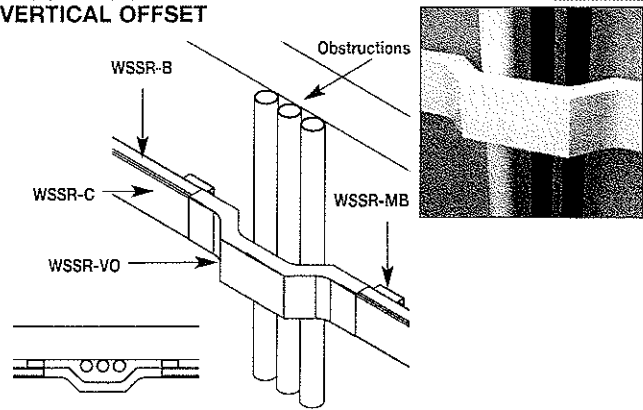


Data-Fense Secure Raceway System Obstacle Avoidance Fittings

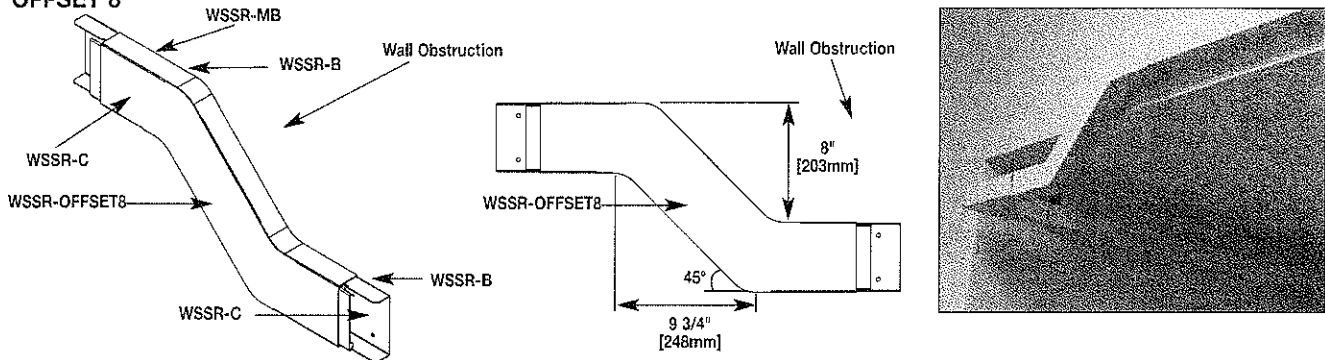
CORNER BRIDGE



VERTICAL OFFSET

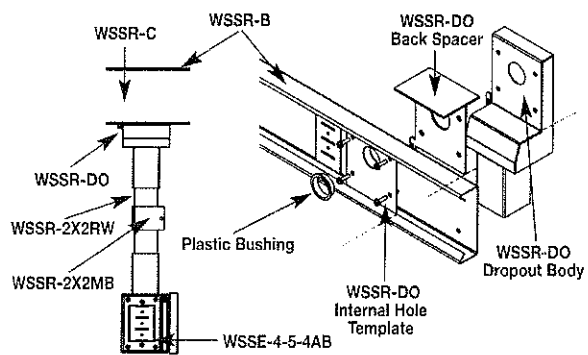


OFFSET 8

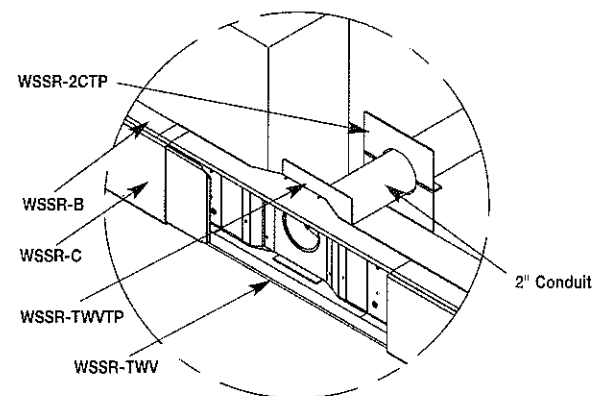


Data-Fense Secure Raceway System Transition Fittings

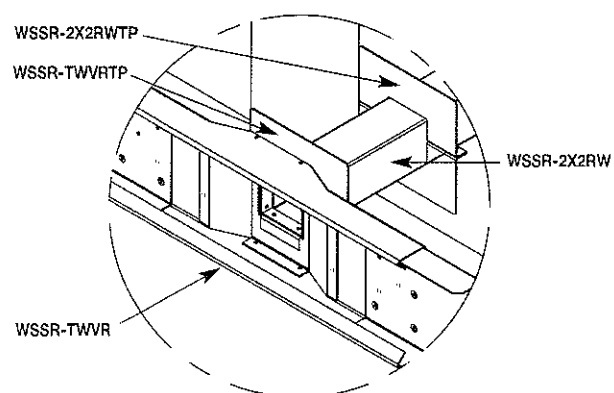
WORKSTATION DROP OUT FITTING



THRU-WALL DETAIL WITH 2" CONDUIT



THRU-WALL DETAIL WITH 2X2 RACEWAY



Data-Fense Secure Raceway System Wire Fill Capacity Charts

NOTE: This product is intended for data and communications only
It is not intended, nor should it be used for power applications

4 3/4" [121mm] Raceway Wire Fill Capacities for Communications

CABLE TYPE	CATEGORY/ DESIGNATION	O.D.		40% FILL
		Inches	[mm]	
UNSHIELDED TWISTED PAIR	4-pair, 24 AWG Cat 3	0.190	[4.8]	101
	4-pair, 24 AWG Cat 5e	0.210	[5.3]	83
	4-pair, 24 AWG Cat 6	0.250	[6.3]	58
	4-pair, 24 AWG Cat 6a*	0.354	[9.0]	29
	25-pair, 24 AWG	0.410	[10.4]	21
COAXIAL	RG6/U	0.270	[6.9]	50
FIBER	ZipCord	0.118 x 0.236	[3 x 6]	103
	Round 4 Strand Fiber	0.187	[4.8]	104
	Round 6 Strand Fiber	0.256	[6.5]	55

* Category 6 Augmented cable for 10 gigabit ethernet – max allowed cable diameter per Addendum 11 to ANSI/TIA-568-B.2

2" [51mm] Raceway Wire Fill Capacities for Communications

CABLE TYPE	CATEGORY/ DESIGNATION	O.D.		40% FILL
		Inches	[mm]	
UNSHIELDED TWISTED PAIR	4-pair, 24 AWG Cat 3	0.190	[4.8]	50
	4-pair, 24 AWG Cat 5e	0.210	[5.3]	41
	4-pair, 24 AWG Cat 6	0.250	[6.3]	29
	4-pair, 24 AWG Cat 6a*	0.354	[9.0]	14
	25-pair, 24 AWG	0.410	[10.4]	10
COAXIAL	RG6/U	0.270	[6.9]	25
FIBER	ZipCord	0.118 x 0.236	[3 x 6]	51
	Round 4 Strand Fiber	0.187	[4.8]	52
	Round 6 Strand Fiber	0.256	[6.5]	28

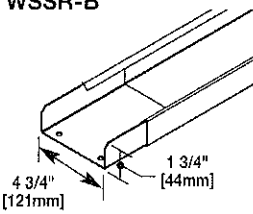
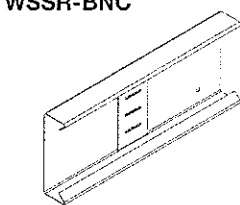
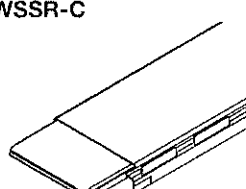

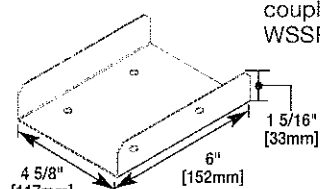
* Category 6 Augmented cable for 10 gigabit ethernet – max allowed cable diameter per Addendum 11 to ANSI/TIA-568-B.2

1" [25mm] Raceway Wire Fill Capacities for Communications

CABLE TYPE	CATEGORY/ DESIGNATION	O.D.		40% FILL
		Inches	[mm]	
UNSHIELDED TWISTED PAIR	4-pair, 24 AWG Cat 3	0.190	[4.8]	11
	4-pair, 24 AWG Cat 5e	0.210	[5.3]	9
	4-pair, 24 AWG Cat 6	0.250	[6.3]	6
	4-pair, 24 AWG Cat 6a*	0.354	[9.0]	3
	25-pair, 24 AWG	0.410	[10.4]	2
COAXIAL	RG6/U	0.270	[6.9]	5
FIBER	ZipCord	0.118 x 0.236	[3 x 6]	12
	Round 4 Strand Fiber	0.187	[4.8]	12
	Round 6 Strand Fiber	0.256	[6.5]	6

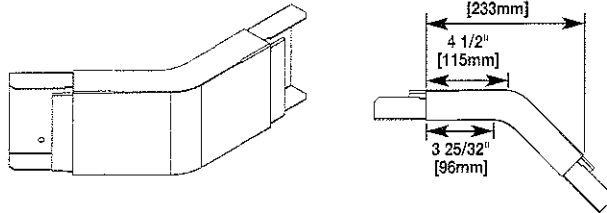
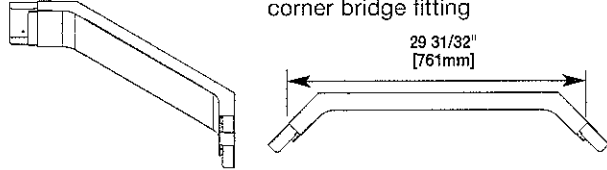
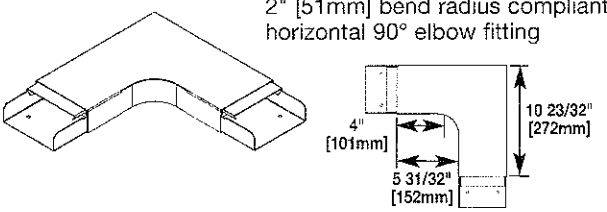
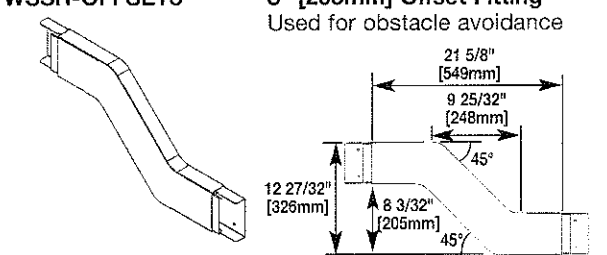
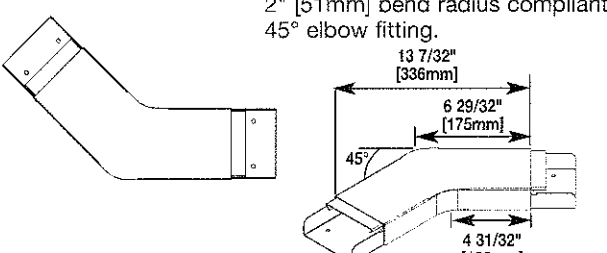
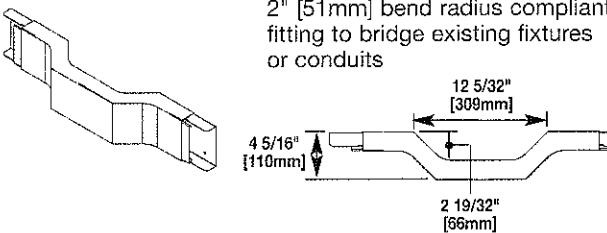
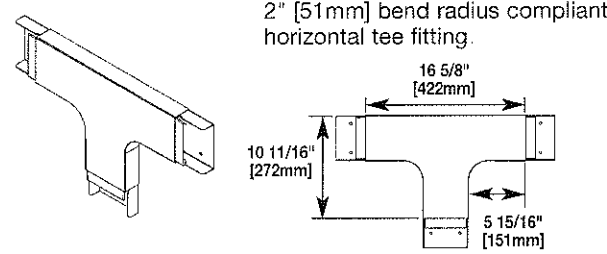
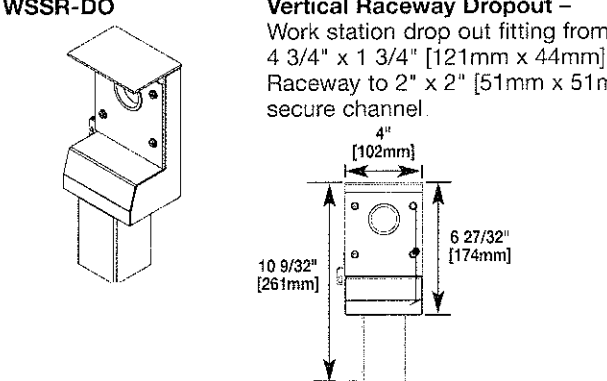
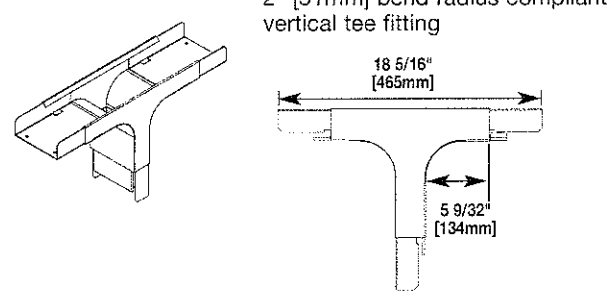
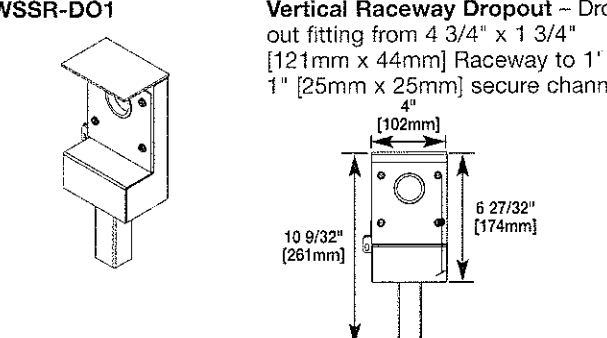
* Category 6 Augmented cable for 10 gigabit ethernet – max allowed cable diameter per Addendum 11 to ANSI/TIA-568-B.2

Data-Fense Secure Raceway System Ordering Information

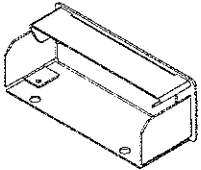
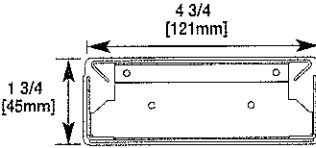
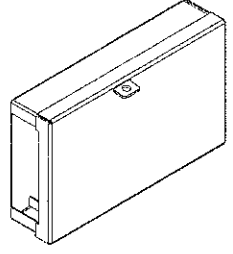
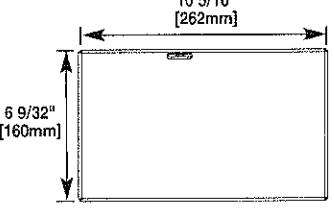
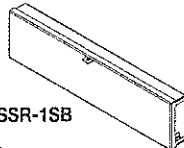
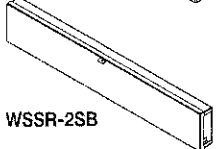
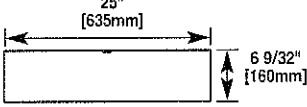
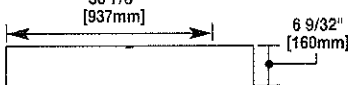
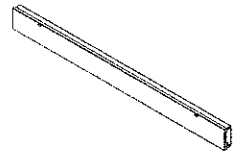
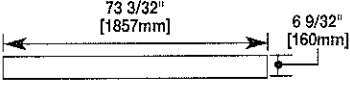
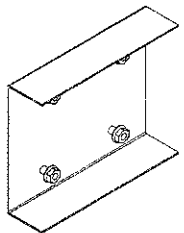
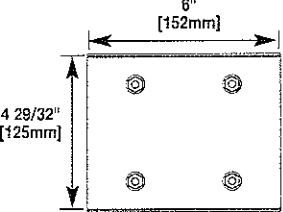
Catalog No./Item	Description/Specifications																		
All components of Data-Fense Secure Raceway System are manufactured from 18 gauge galvalnealed (satin coat) steel.																			
WSSR-B	Raceway Base – Includes welded coupling on one end of each section of base.  <table><tr><th>PART NUMBER</th><th colspan="2">LENGTH</th></tr><tr><th></th><th>Inches</th><th>[mm]</th></tr><tr><td>WSSR-B</td><td>120"</td><td>[3.0m]</td></tr><tr><td>WSSR-B1</td><td>12"</td><td>[305.0mm]</td></tr><tr><td>WSSR-B2</td><td>24"</td><td>[610.0mm]</td></tr><tr><td>WSSR-B5</td><td>60"</td><td>[1.5m]</td></tr></table>	PART NUMBER	LENGTH			Inches	[mm]	WSSR-B	120"	[3.0m]	WSSR-B1	12"	[305.0mm]	WSSR-B2	24"	[610.0mm]	WSSR-B5	60"	[1.5m]
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WSSR-B2	24"	[610.0mm]																	
WSSR-B5	60"	[1.5m]																	
WSSR-BNC	Raceway Base – Base section without welded coupling. For connecting a fitting and a section of base with coupling or between two fittings to avoid field cutting  <table><tr><th>PART NUMBER</th><th colspan="2">LENGTH</th></tr><tr><th></th><th>Inches</th><th>[mm]</th></tr><tr><td>WSSR-BNC</td><td>120"</td><td>[3.0m]</td></tr><tr><td>WSSR-B1NC</td><td>12"</td><td>[305.0mm]</td></tr><tr><td>WSSR-B2NC</td><td>24"</td><td>[610.0mm]</td></tr><tr><td>WSSR-B5NC</td><td>60"</td><td>[1.5m]</td></tr></table>	PART NUMBER	LENGTH			Inches	[mm]	WSSR-BNC	120"	[3.0m]	WSSR-B1NC	12"	[305.0mm]	WSSR-B2NC	24"	[610.0mm]	WSSR-B5NC	60"	[1.5m]
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WSSR-BNC	120"	[3.0m]																	
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WSSR-B2NC	24"	[610.0mm]																	
WSSR-B5NC	60"	[1.5m]																	
WSSR-C	Raceway Cover – Includes welded overlap on one end of each section of cover.  <table><tr><th>PART NUMBER</th><th colspan="2">LENGTH</th></tr><tr><th></th><th>Inches</th><th>[mm]</th></tr><tr><td>WSSR-C</td><td>5'</td><td>[1.5m]</td></tr><tr><td>WSSR-C1</td><td>1'</td><td>[305.0mm]</td></tr><tr><td>WSSR-C2</td><td>2'</td><td>[610.0mm]</td></tr></table>	PART NUMBER	LENGTH			Inches	[mm]	WSSR-C	5'	[1.5m]	WSSR-C1	1'	[305.0mm]	WSSR-C2	2'	[610.0mm]			
PART NUMBER	LENGTH																		
	Inches	[mm]																	
WSSR-C	5'	[1.5m]																	
WSSR-C1	1'	[305.0mm]																	
WSSR-C2	2'	[610.0mm]																	
WSSR-CNO	Raceway Cover – Cover section without welded overlap. For connecting a fitting and a section of cover with coupling or between two fittings to avoid field cutting  <table><tr><th>PART NUMBER</th><th colspan="2">LENGTH</th></tr><tr><th></th><th>Inches</th><th>[mm]</th></tr><tr><td>WSSR-CNO</td><td>5'</td><td>[1.5m]</td></tr><tr><td>WSSR-C1NO</td><td>1'</td><td>[305.0mm]</td></tr><tr><td>WSSR-C2NO</td><td>2'</td><td>[610.0mm]</td></tr></table>	PART NUMBER	LENGTH			Inches	[mm]	WSSR-CNO	5'	[1.5m]	WSSR-C1NO	1'	[305.0mm]	WSSR-C2NO	2'	[610.0mm]			
PART NUMBER	LENGTH																		
	Inches	[mm]																	
WSSR-CNO	5'	[1.5m]																	
WSSR-C1NO	1'	[305.0mm]																	
WSSR-C2NO	2'	[610.0mm]																	
WSSR-CP	Coupling – Used to connect two sections of WSSR-B when two sections meet with no attached coupling or when coupling field cut WSSR-B sections together 																		

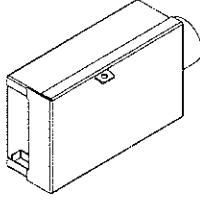
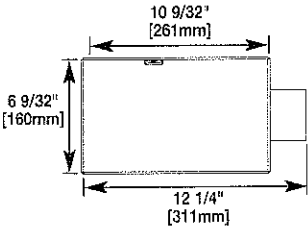
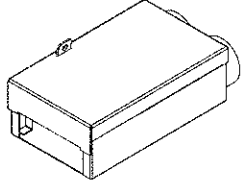
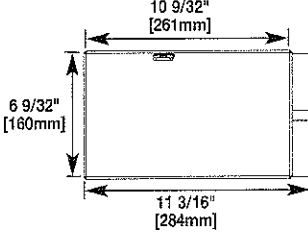
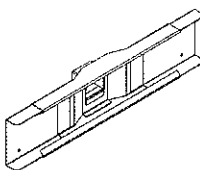
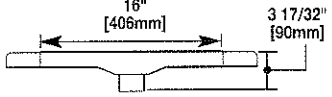
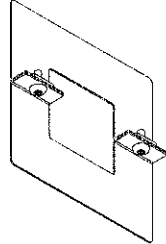
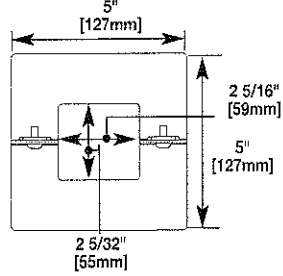
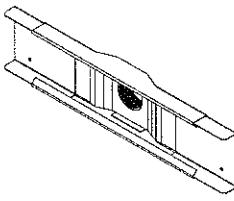
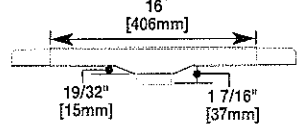
Catalog No./Item	Description/Specifications
WSSR-MB	Mounting Bracket – Used to attach WSSR-B Raceway Base to mounting surface.
WSSR-1017FO	Bend Radius Inside 90° Elbow – 2" [51mm] bend radius compliant inside 90° elbow
WSSR-1017FOR	Inside/Outside Elbow – To transition Data-Fense Secure Raceway System from an inside surface to an outside surface
WSSR-1017FOE45	Bend Radius Inside Elbow – 2" [51mm] bend radius compliant 45° elbow fitting.
WSSR-1018FO	Bend Radius Outside Elbow – 2" [51mm] bend radius compliant outside 90° elbow fitting.

Data-Fense Secure Raceway System Ordering Information (continued)

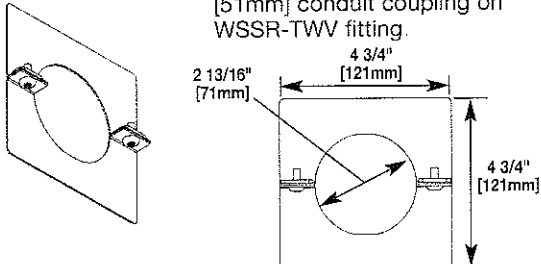
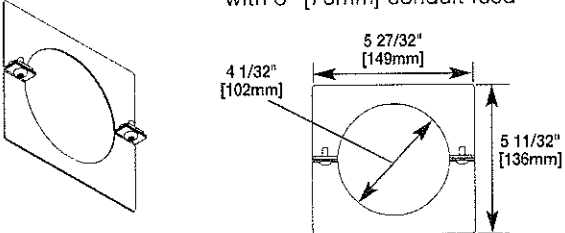
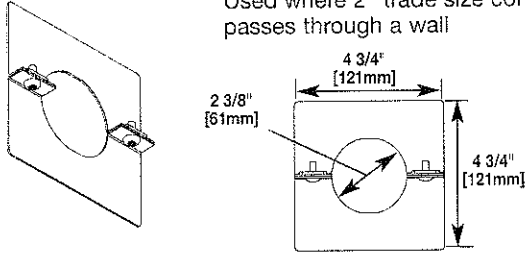
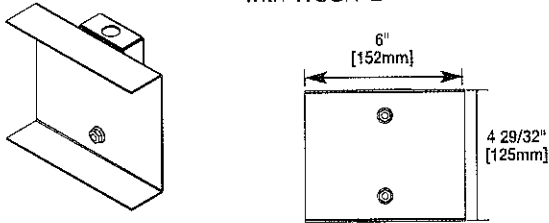
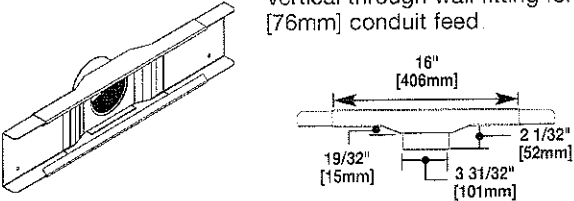
Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
All components of Data-Fense Secure Raceway System are manufactured from 18 gauge galvanized (satin coat) steel.			
WSSR-1018FOE45	Bend Radius Outside Elbow – 2" [51mm] bend radius compliant 45° elbow fitting 	Corner Bridge Fitting – 2" [51mm] bend radius compliant corner bridge fitting 	
WSSR-1011FO	Bend Radius Flat Elbow – 2" [51mm] bend radius compliant horizontal 90° elbow fitting 	8" [205mm] Offset Fitting – Used for obstacle avoidance 	
WSSR-1011FOE45	Bend Radius Flat Elbow – 2" [51mm] bend radius compliant 45° elbow fitting. 	Bend Radius Vertical Offset – 2" [51mm] bend radius compliant fitting to bridge existing fixtures or conduits 	
WSSR-1015FOH	Bend Radius Horizontal Tee – 2" [51mm] bend radius compliant horizontal tee fitting. 	Vertical Raceway Dropout – Work station drop out fitting from 4 3/4" x 1 3/4" [121mm x 44mm] " Raceway to 2" x 2" [51mm x 51mm] secure channel. 	
WSSR-1015FOV	Bend Radius Vertical Tee – 2" [51mm] bend radius compliant vertical tee fitting 	Vertical Raceway Dropout ~ Drop out fitting from 4 3/4" x 1 3/4" [121mm x 44mm] Raceway to 1" x 1" [25mm x 25mm] secure channel. 	

Data-Fense Secure Raceway System Ordering Information (continued)

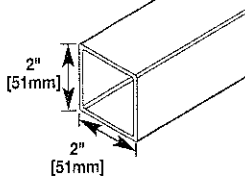
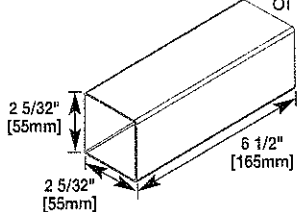
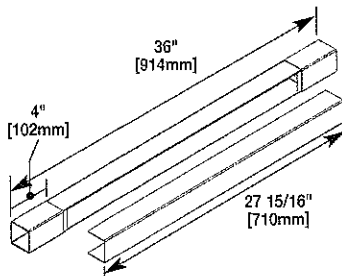
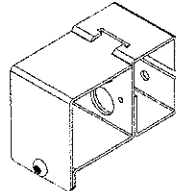
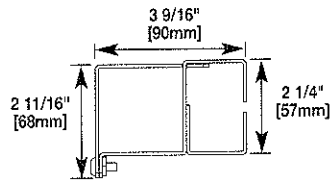
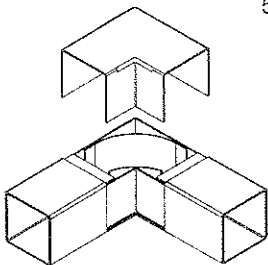
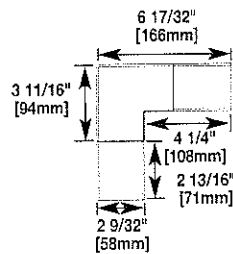
Catalog No./Item	Description/Specifications
All components of Data-Fense Secure Raceway System are manufactured from 18 gauge galvanized (satin coat) steel.	
WSSR-EC	End Cap – Used to close off end of Data-Fense Secure Raceway System  
WSSR-ETERM	End Termination Unit – End termination box.  
WSSR-1SB WSSR-2SB	Cable Access Slack Box – WSSR-1SB is used to install 1' [305mm] covers. WSSR-2SB is used to install 1' [305mm] and 2' [610mm] covers    
WSSR-MSB	Cable Access Midspan Box – WSSR-MSB is used to install 1' [305mm], 2' [610mm], and 5' [1525mm] covers.  
WSSR-MSC	Midspan Coupling – Used to couple raceway sections crossing hallways, where there is no mounting surface available.  

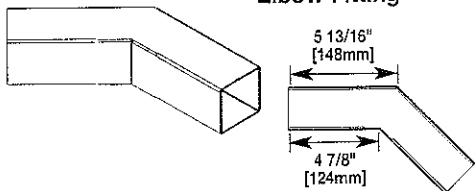
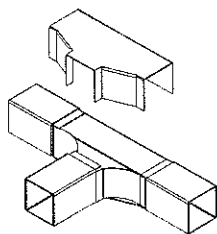
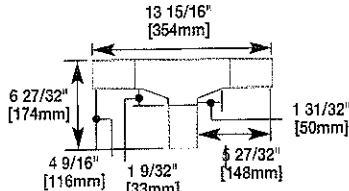
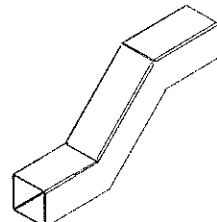
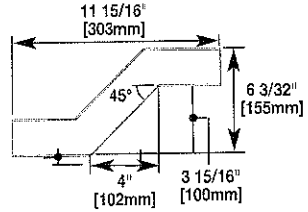
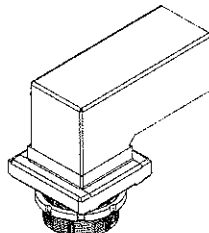
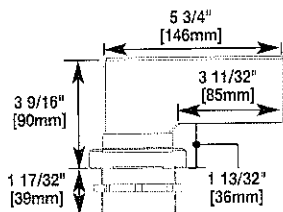
Catalog No./Item	Description/Specifications
WSSR-TWH	Horizontal Thru-Wall Fitting – Used to connect one 2" EMT conduit to 4 3/4" x 1 3/4" [121mm x 44mm] Raceway system.  
WSSR-TWH-2	Horizontal Thru-Wall Fitting – Used to connect two 2" EMT conduits to 4 3/4" x 1 3/4" [121mm x 44mm] Raceway system.  
WSSR-TWVR	Through Wall Fitting – Used to connect one 2" x 2" [51mm x 51mm] Secure Raceway when continuing or feeding system from other side or surface  
WSSR-TWVRTP	Through Wall Trim Plate – Suitable for use with 2" x 2" [51mm x 51mm] Secure Raceway fittings.  
WSSR-TWV	Vertical Thru-Wall Fitting – Used to connect one 2" EMT conduit when continuing or feeding system from other side of surface.  

Data-Fense Secure Raceway System Ordering Information (continued)

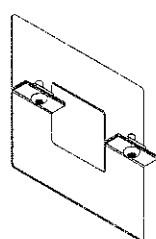
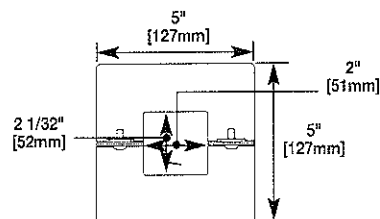
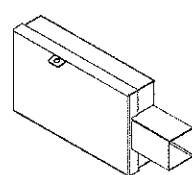
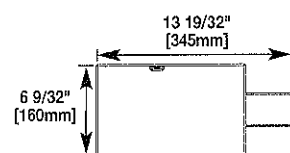
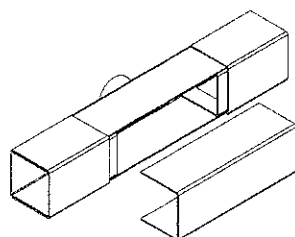
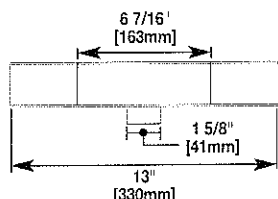
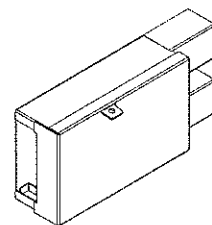
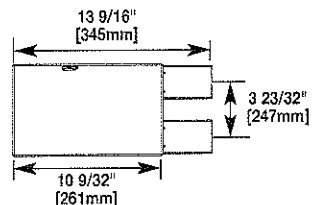
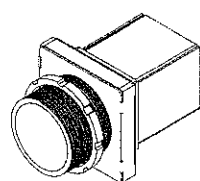
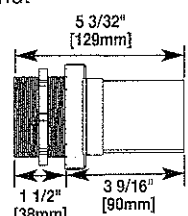
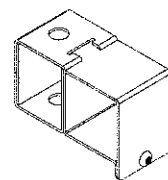
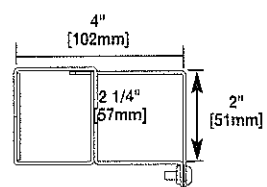
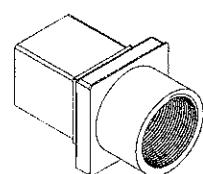
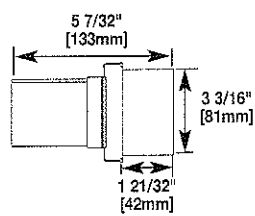
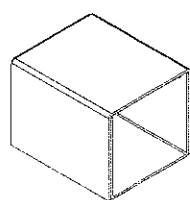
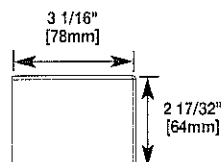
Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
All components of Data-Fense Secure Raceway System are manufactured from 18 gauge galvanized (satin coat) steel.		All components of Data-Fense Secure Raceway System are manufactured from 18 gauge galvanized (satin coat) steel.	
WSSR-TWVTP	<p>Trim Plate – Trim plate for 2" [51mm] conduit coupling on WSSR-TWV fitting.</p> 	WSSR-TWV3TP	<p>Through Wall Trim Plate – For use with 3" [76mm] conduit feed</p> 
WSSR-2CTP	<p>2" Conduit Trim Plate – Used where 2" trade size conduit passes through a wall</p> 	WSSR-TRH	<p>Threaded Rod Hanger – For use with WSSR-B</p> 
WSSR-TWV3	<p>Vertical Through Wall Fitting – Vertical through wall fitting for 3" [76mm] conduit feed.</p> 		

Data-Fense Secure Raceway System 2X2 Raceway Ordering Information

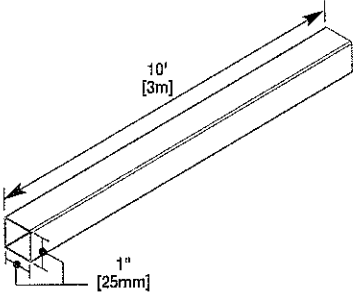
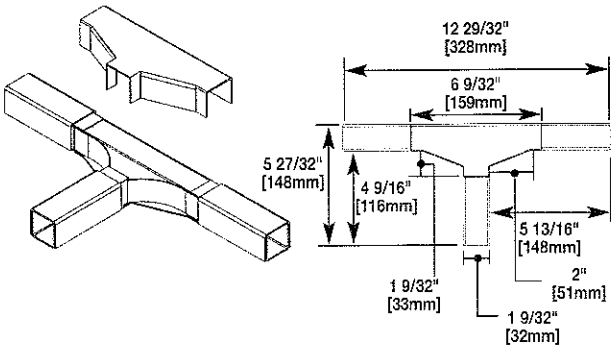
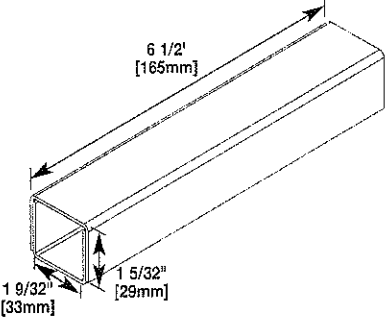
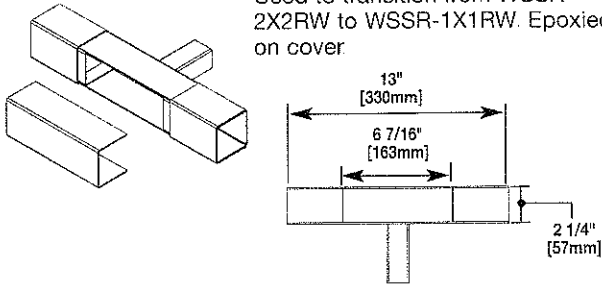
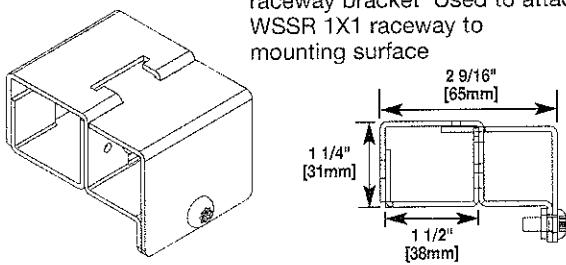
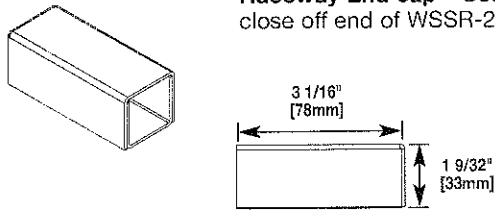
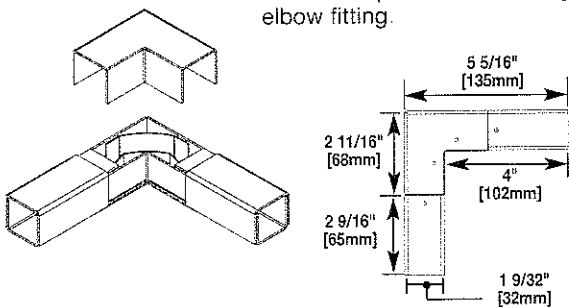
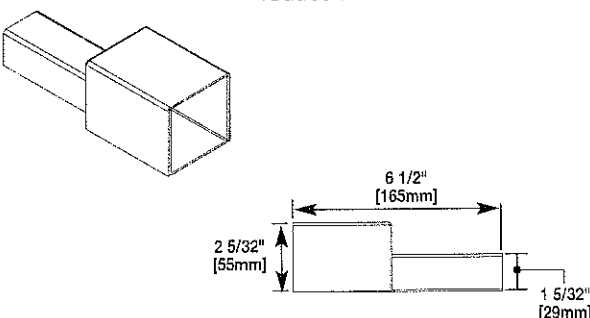
Catalog No./Item	Description/Specifications
Data-Fense Secure Raceway System 2X2 Raceway is manufactured from 16 gauge 409 stainless steel. Components of Data-Fense Secure Raceway System 2X2 Raceway are manufactured from 16 gauge galvanized (satin coat) steel.	
WSSR-2X2RW	2" x 2" Raceway – 2" [51mm] raceway Sold in 10' [3m] lengths. 
WSSR-2X2C	2" x 2" Raceway Coupling – Fitting to join together two sections of WSSR-2X2RW. 
WSSR-2X2SB	Cable Access Slack Box – Used to assist in pulling cables in longer raceway runs 
WSSR-2X2MB	Mounting Bracket – 2" [51mm] raceway bracket. Used to attach WSSR-2X2RW to mounting surface  
WSSR-2X2E90	Universal Elbow – 2" [51mm] bend radius compliant 2" x 2" [51mm x 51mm] raceway elbow fitting  

Catalog No./Item	Description/Specifications
WSSR-2X2E45	Bend Radius Compliant 45° Elbow Fitting – 
WSSR-2X2TEE	Universal Tee Fitting – Used to join sections of WSSR-2X2 Raceway and to connect to cabinets, etc  
WSSR-2X2VO	2X2 Offset Fitting – Used for vertical or horizontal offset. Contact factory for custom offset requirements  
WSSR-2X2CA90	Conduit or Cabinet Connector – Used to connect 2X2 Raceway to cabinets, 2" conduit etc.  

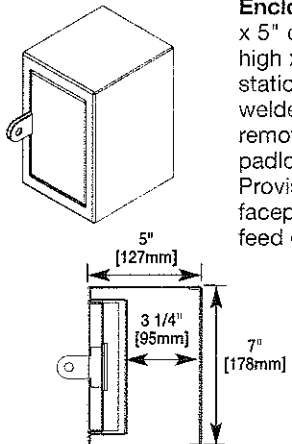
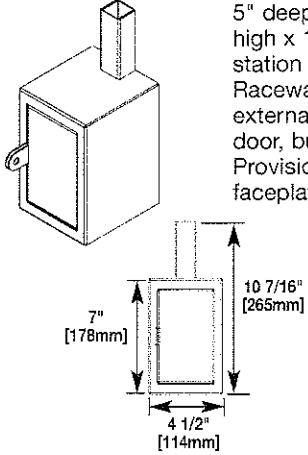
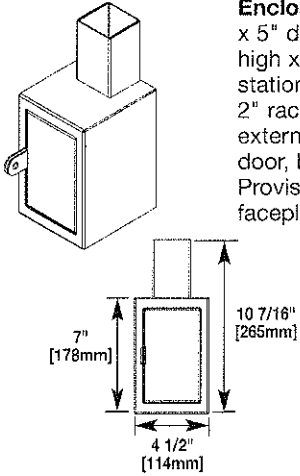
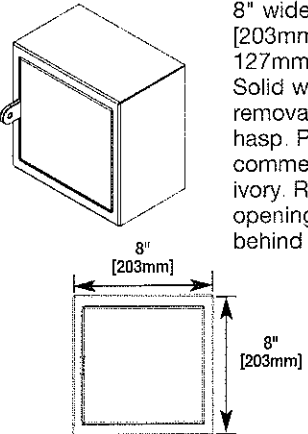
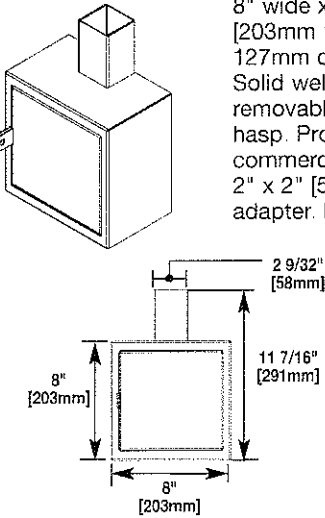
Data-Fense Secure Raceway System 2X2 Raceway Ordering Information (continued)

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
Data-Fense Secure Raceway System 2X2 Raceway is manufactured from 16 gauge 409 stainless steel. Components of Data-Fense Secure Raceway System 2X2 Raceway are manufactured from 16 gauge galvanized (satin coat) steel.		WSSR-2X2RWTP	Raceway Trim Plate – Adapter to connect 2" [51mm] raceway to 2" [51mm] EMT conduit or attach to enclosure. Includes lock nut.
		WSSR-RED	Channel Reducer Fitting – 1 3/4" x 4 3/4" [121mm x 44mm] reduced to 2" x 2" [51mm x 51mm] Raceway.
WSSR-2X2TWV1C	Through Wall Fitting – Used to backfeed system by connecting 1" trade size conduit to WSSR-2X2RW		
		WSSR-4-2SPLIT	2X2 Raceway Split Fitting – Splits 4 3/4" x 1 3/4" [121mm x 44mm] Secure Solution Series Raceway into two 2X2 Raceways.
WSSR-2X2CA	2X2 Raceway Conduit Adapter – Adapter to connect 2" [51mm] raceway to 2" [51mm] EMT conduit or attach to enclosure. Includes lock nut.		
		WSSR-2X2TRH	Threaded Rod Hanger – For supporting 2X2 Raceway where no mounting surface is available. For use with 1/2" or 3/8" threaded rod.
WSSR-2X2CATW	2X2 Raceway Conduit Adapter – Adapter to connect 2" [51mm] raceway to 2" [51mm] EMT conduit for thru-wall applications. Adapter has internal thread that accepts standard conduit reducers.		
		WSSR-2X2EC	Raceway End Cap – Used to close off end of WSSR-2X2 Raceway.
			

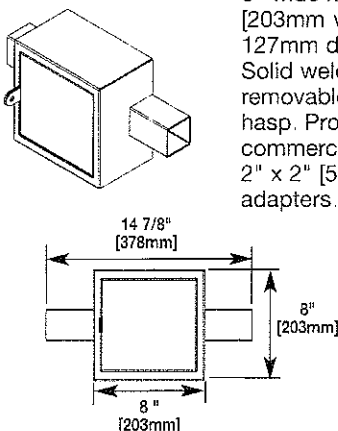
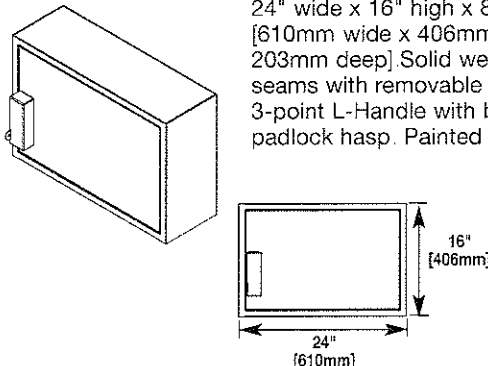
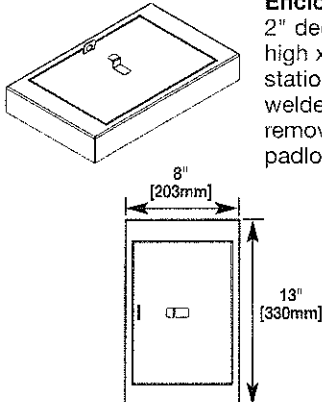
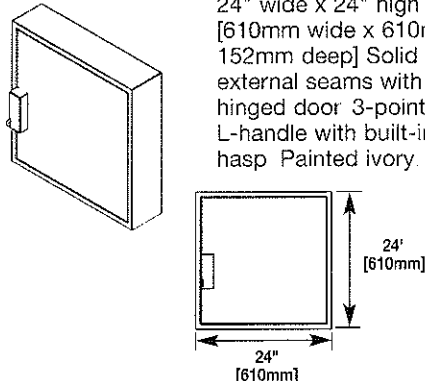
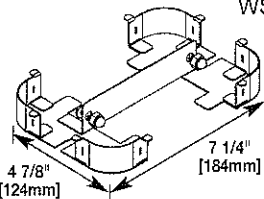
Data-Fense Secure Raceway System 1X1 Raceway Ordering Information (continued)

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
	Data-Fense Secure Raceway System 1X1 Raceway is manufactured from 18 gauge 304 stainless steel. Components of Data-Fense Secure Raceway System 1X1 Raceway are manufactured from 16 gauge galvanized (satin coat) steel.		
WSSR-1X1RW	Raceway – 1" x 1" [25mm x 25mm] raceway. Sold in 10' [3m] lengths 	WSSR-1X1TEE	Universal Tee Fitting – To join two sections of WSSR-1X1RW. 
WSSR-1X1C	Raceway Coupling Fitting – To join two sections of WSSR-1X1RW 	WSSR-212TEE	Universal Transition Fitting – Used to transition from WSSR-2X2RW to WSSR-1X1RW. Epoxied on cover. 
WSSR-1X1MB	Mounting Bracket – 1" [25mm] raceway bracket. Used to attach WSSR 1X1 raceway to mounting surface 	WSSR-1X1EC	1" x 1" [25mm x 25mm] Raceway End cap – Used to close off end of WSSR-2X2RW. 
WSSR-1X1E90	Universal Elbow – 2" bend radius compliant 1X1 raceway elbow fitting. 	WSSR-2-1RED	Reducer Fitting – 2X2 to 1X1 reducer. 

Data-Fense Secure Raceway System Enclosures Ordering Information

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
All the Data-Fense Secure Raceway System Enclosures on this page are manufactured from 16 gauge galvanized (satin coat) steel.			
WSSE-450-7-5	Secure Work Station Access Enclosure – 4 1/2" wide x 7" high x 5" deep [114mm wide x 178mm high x 127mm deep] secure work station access enclosure. Solid welded external seams with removable door with built-in padlock hasp. Painted ivory. Provisions for one commercial faceplate. Requires field-installed feed opening.	WSSE-450-7-5AB1	Secure Work Station Access Enclosure – 4 1/2" wide x 7" high x 5" deep [114mm wide x 178mm high x 127mm deep] secure work station access enclosure with 1X1 Raceway adapter. Solid welded external seams with removable door, built-in padlock hasp. Provision for one commercial faceplate. Painted ivory.
			
WSSE-450-7-5AB	Secure Work Station Access Enclosure – 4 1/2" wide x 7" high x 5" deep [114mm wide x 178mm high x 127mm deep] secure work station access enclosure with 2" x 2" raceway adapter. Solid welded external seams with removable door, built-in padlock hasp. Provisions for one commercial faceplate. Painted ivory.	WSSE-8-8-5	Secure Enclosure – 8" wide x 8" high x 5" deep [203mm wide x 203mm high x 127mm deep] secure enclosure. Solid welded external seams with removable door, built-in padlock hasp. Provisions for two commercial faceplates. Painted ivory. Requires field-installed feed opening 3 1/4" [95mm] depth behind device plate.
			
NOTE: Data-Fense Secure Raceway System Enclosures accommodate the new Ortronics Secure/Keyed pre-polished LC Multimode Connectors.		WSSE-8-8-5AB	
Other enclosure configurations are available. Consult the factory or your local Wiremold representative.		Secure Enclosure – 8" wide x 8" high x 5" deep [203mm wide x 203mm high x 127mm deep] secure enclosure. Solid welded external seams with removable door, built-in padlock hasp. Provisions for two commercial faceplates and one 2" x 2" [51mm x 51mm] raceway adapter. Painted ivory.	
			

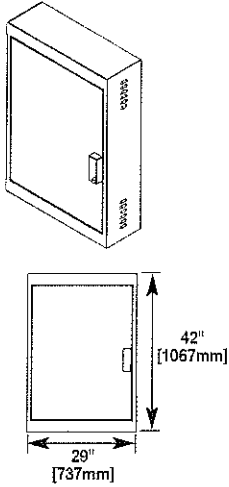
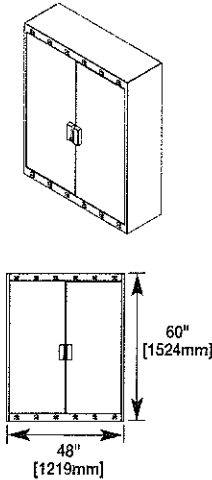
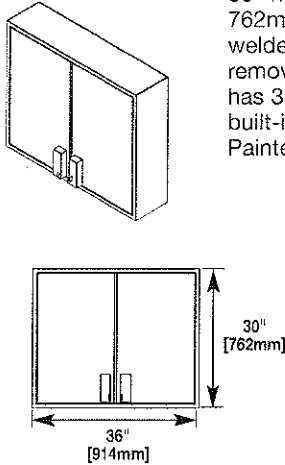

Data-Fense Secure Raceway System Enclosures Ordering Information (continued)

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
All the Data-Fense Secure Raceway System Enclosures on this page are manufactured from 16 gauge galvanized (satin coat) steel.			
WSSE-8-8-5AB-PB	Secure Enclosure Pull Box – 8" wide x 8" high x 5" deep [203mm wide x 203mm high x 127mm deep] secure enclosure. Solid welded external seams with removable door, built-in padlock hasp. Provisions for two commercial faceplates and two 2" x 2" [51mm x 51mm] raceway adapters. Painted ivory	WSSE-24-16-8	Secure Enclosure – 24" wide x 16" high x 8" deep [610mm wide x 406mm high x 203mm deep] Solid welded external seams with removable hinged door. 3-point L-Handle with built-in padlock hasp. Painted ivory
			
WSSE-8-13-2	Secure Work Station Access Enclosure – 8" wide x 13" high x 2" deep [203mm wide x 330mm high x 51mm deep] secure work station access enclosure. Solid welded external seams with removable hinged door with padlock hasp. Painted ivory.	WSSE-24-24-6	Secure Enclosure – 24" wide x 24" high x 6" deep [610mm wide x 610mm high x 152mm deep] Solid welded external seams with removable hinged door. 3-point L-handle with built-in padlock hasp. Painted ivory.
			
WSSE-DTFB	Work Station Desk Top Fiber Loop Bracket – Used with WSSE-8-13-2. Painted ivory		
			

NOTE: Data-Fense Secure Raceway System Enclosures accommodate the new Ortronics Secure/Keyed pre-polished LC Multimode Connectors.

Other enclosure configurations are available. Consult the factory or your local Wiremold representative.

Data-Fense Secure Raceway System Enclosures Ordering Information (continued)

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
All the Data-Fense Secure Raceway System Enclosures on this page are manufactured from 14 gauge galvanized (satin coat) steel.			
WSSE-29-42-10	<p>Secure Enclosure – 29" wide x 42" high x 10" deep [737mm wide x 1067mm high x 254mm deep]. Solid welded external seams, side ventilation louvers. Single removable door has 3-point locking L-Handle with secure handle cover. Painted ivory. Supplied with two 36" [914mm] adjustable shelf standards, one pair of 6" [152mm] shelf brackets, 2 pairs of 4" [102mm] pivoting shelf brackets. All brackets have mounting hole pattern for Ortronics Clarity® 19" [482mm] Patch Panels.</p> 		<p>WSSE-48-60-16</p> <p>Secure Enclosure – 48" wide x 60" high x 16" deep [1219mm wide x 1524mm high x 406mm deep]. Solid welded external seams, front ventilation louvers. Two fixed hinge doors with 3-point locking L-Handles with secure handle covers. Painted ivory. Supplied with two sets of 36" [914mm] adjustable shelf standards, three (3) 18" [457mm] wide x 10" [254mm] deep shelves.</p> 
WSSE-36-30-9	<p>Secure Enclosure – 36" wide x 30" high x 9" deep [914mm wide x 762mm high x 229mm deep]. Solid welded external seams with double removable hinged doors. Each door has 3-point locking L-Handle with built-in padlock hasps. Painted ivory.</p> 		<p>WSSR-PAINT</p> <p>Touch-Up Paint – Touch-up paint to match Data-Fense Secure Raceway System standard Ivory color. Bottle contains 6 ounces of paint.</p> 

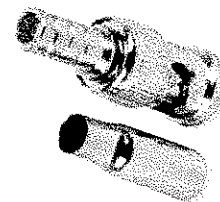
NOTE: Data-Fense Secure Raceway System Enclosures accommodate the new Ortronics Secure/Keyed pre-polished LC Multimode Connectors.

Other enclosure configurations are available. Consult the factory or your local Wiremold representative.

BNC CONNECTORS

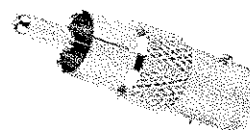
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BNC MALE 2 PIECE CRIMP ADAPTER



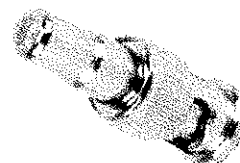
BNCFTORCAM

BNC FEMALE TO RCA MALE ADAPTER



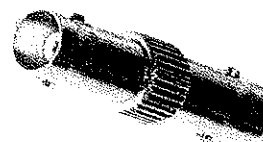
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BNC MALE TO RCA FEMALE ADAPTER



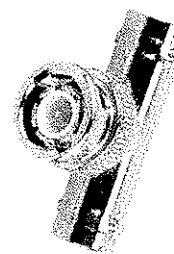
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BNC FEMALE TO FEMALE BNC ADAPTER



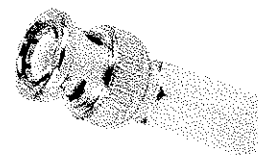
BNCT

BNC MALE TO 2 BNC FEMALE ADAPTERS



BNCTWIST

BNC TWIST ON CONNECTOR



ACCESSORIES/PROBLEM SOLVERS

SPECIFICATIONS

CABLE TYPE	RG59/U
IMPEDANCE	75 ohm
BODY	ZINC
CONTACT	COPPER

ARM Electronics
8860 Industrial Avenue, Suite 140 ☐ Roseville, CA 95678
Toll Free: 888 771 4544 ☐ Phone: 916 787 1100
www.armelectronics.com ☐ sales@armelectronics.com

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CCTV, PLENUM AND SIAMESE PLENUM

PLENUM

General use in air plenums
without conduit for:

- UL listed CL2P and/or CMP
- Natural polymer alloy PVC jacket

- CCTV and Broadcast

CSC # DESCRIPTION	AWG STRAND TYPE	INSULATION	SHIELD MATERIAL	NOM O.D.	NOM ATTEN MHZ db/100	NOM IMP OHMS	NOM VEL OF PROP	NOM CAP pf/ft
221170 MINI	25 SOLID BC	FFEP .078"	95% BC BRAID	.146"	1 .5	75	82%	17.0
					5 1.3			
					10 1.8			
					50 3.6			
221105 RG59/U	20 SOLID BC	FFEP .140"	95% BC BRAID	.202"	100 5.3	75	82%	16.5
					50 1.8			
					100 2.6			
					200 3.8			
220400 RG6/U	18 SOLID BC	FFEP .168"	95% BC BRAID	.238"	400 5.6	75	82%	17.0
					500 5.2			
					700 6.0			
					50 1.5			
220500* RG11/U	14 SOLID BC	FFEP .280"	95% BC BRAID	.348"	100 1.4	75	82%	16.5
					200 2.2			
					400 3.6			
					700 4.6			

* Copolymer jacket



General use in air plenums
without conduit for:

- UL listed CL2P or CMP
- Natural polymer alloy PVC jacket

- CCTV, DC Power & PTZ

CSC # DESCRIPTION	AWG STRAND TYPE	INSULATION	SHIELD MATERIAL	NOM. O.D.	NOM ATTEN MHZ db/100	NOM IMP OHMS	NOM VEL OF PROP	NOM CAP pf/ft
221125 RG59/U 1 Pair**	20	FFEP/.140"	95% BC	202"X	50 1.8	75	78%	16.5
	SOL BC	OD	BRAID	355"	100 2.6			
	18 BC	PVC/.010"	None					
592002 RG59/U 1 Pair**	7/26	THK				75	78%	16.5
	20	FFEP/.140"	95% BC	225"X	50 1.8			
	SOL BC	OD	BRAID	430"	100 2.6			
2 Pair†	18 BC	PVC/.010"	None					
	7/26	THK						
	22 BC	PVC/.010"	Each Pair					
	7/30	THK	Shielded					

** Color Code - Black/Red

† Black/Red - White/Green

SIAMESE PLENUM



Most products available
in boxes or reels
with sequential footage
markings

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Authorized by the

West Virginia Contractor Licensing Board

Number: WV013681

Classification:

SPECIALTY

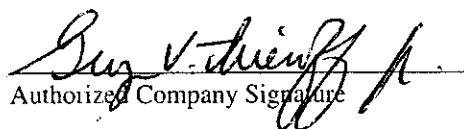
ADVANCED COM CO
PO BOX 6650
WHEELING, WV 26003-0644

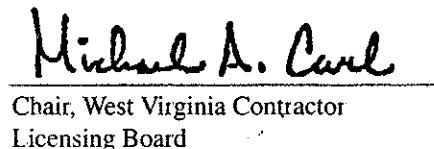
Date Issued

APRIL 27, 2008

Expiration Date

APRIL 27, 2009


Authorized Company Signature


Chair, West Virginia Contractor
Licensing Board

**WEST VIRGINIA
CONTRACTOR
LICENSING
BOARD**

This license, or a copy thereof, must be posted in a conspicuous place at every construction site where work is being performed. This license number must appear in all advertisements, on all bid submissions and on all fully executed and binding contracts. This license cannot be assigned or transferred by licensee. Issued under provisions of West Virginia Code, Chapter 21, Article 11.



**WORKERS COMPENSATION
AND
EMPLOYERS LIABILITY POLICY**

INFORMATION PAGE WC 00 00 01 (A)

RENEWAL OF POLICY NUMBER: WC10036638-04
POLICY NUMBER: WC10036638-05

INSURER: BRICKSTREET MUTUAL INSURANCE COMPANY

1. INSURED:

FORT HENRY REALTY INC

WHEELING/TRI COUNTY SERVS
ADVANCED COMM
P O BOX 6650
WHEELING WV 26003-0644

PRODUCER:

THOMAS PAREE AGENCY INC
PO BOX 797
(304)845-3953
MOUNDSVILLE WV 26041

Insured is a(n) CORPORATION

Other work places and identification numbers are shown in the schedule(s) attached.

2. The policy period is from 08/14/2008 to 08/14/2009 12:01 A M. at the insured's mailing address

3. A. WORKERS COMPENSATION INSURANCE: Part One of the policy applies to the Workers Compensation Law of the state(s) listed here:

WEST VIRGINIA

B. EMPLOYERS LIABILITY INSURANCE: Part Two of the policy applies to work in each state listed in item 3.A. The limits of our liability under Part Two are:

Bodily Injury by Accident:	\$100,000	Each Accident
Bodily Injury by Disease:	\$500,000	Policy Limit
Bodily Injury by Disease:	\$100,000	Each Employee

C. OTHER STATES INSURANCE: Part Three of the policy applies to the states, if any, listed here:

See West Virginia Limited Other States Insurance Endorsement WC 99 03 05

D. This policy includes these endorsements and schedules:

SEE LIST OF ENDORSEMENTS - EXTENSION OF INFORMATION PAGE

4. The premium for this policy will be determined by our Manuals of Rules, Classifications, Rates and Rating Plans. All required information is subject to verification and change by audit to be made in accordance with Part Five of the Policy.

DATE OF ISSUE: 08/14/2008

ISSUING OFFICE: Charleston, WV

PRODUCER: THOMAS PAREE AGENCY INC