

AIA[®] Document G701™ – 2017

Change Order

PROJECT: <i>(Name and address)</i> 2211 - New Chilmark Fire Station and new Tri-Town EMS Headquarters Middle Road Chilmark, MA 02535	CONTRACT INFORMATION: Contract For: General Construction Date:	CHANGE ORDER INFORMATION: Change Order Number: 001 Date: March 30, 2022
OWNER: <i>(Name and address)</i> Town of Chilmark 401 Middle Road Chilmark, MA 02535	ARCHITECT: <i>(Name and address)</i> Keenan + Kenny Architects, Ltd. 189 Main Street Falmouth, MA 02540	CONTRACTOR: <i>(Name and address)</i> Dellbrook JKS 859 Willard Street Quincy, MA 02169

THE CONTRACT IS CHANGED AS FOLLOWS:

(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Directives.)



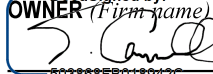
Change Order #1	
COR 001 HVAC Filed Sub-bid - Alternate Bid Acceptance.....	\$ 87,185.05
COR 002 BDA System Deletion	\$ -51,821.54
	<u>\$ 35,363.51</u>

The original Guaranteed Maximum Price was	\$ 10,661,405.00
The net change by previously authorized Change Orders	\$ 0.00
The Guaranteed Maximum Price prior to this Change Order was	\$ 10,661,405.00
The Guaranteed Maximum Price will be increased by this Change Order in the amount of	\$ 35,363.51
The new Guaranteed Maximum Price including this Change Order will be	<u>\$ 10,696,768.51</u>


The Contract Time will be increased by Zero (0) days.
The new date of Substantial Completion will be

NOTE: This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

Keenan + Kenny Architects, Ltd. ARCHITECT <i>(Firm name)</i>  SIGNATURE John Keenan PRINTED NAME AND TITLE 4/22/2022 DATE	Dellbrook JKS CONTRACTOR <i>(Firm name)</i>  SIGNATURE Craig Gabri, Project Executive PRINTED NAME AND TITLE 4/22/2022 DATE	Town of Chilmark OWNER <i>(Firm name)</i>  SIGNATURE Timothy Carroll, Town Administrator PRINTED NAME AND TITLE 4/22/2022 DATE
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Certification of Appropriation under M.G.L., c.44, s.31C: Adequate funding in an amount sufficient to cover the total cost of this Change Order is available as certified by the auditor, accountant, or other officer of the town having similar duties.

Ellen Biskis
Name/Position
Signature: 
Date: 4/28/2022



15 Research Road
 East Falmouth, MA 02536
 Ph : (508) 540-6226

Change Request

To: John Keenan
 Keenan + Kenny Architects, Ltd
 189 Main Street, Suite 2A
 Falmouth, MA 02540
 Ph: 508-540-0075 Fax: 508-540-0079

Number: COR 001
Date: 3/24/22
Job: 20-22-0011 Chilmark Fire Station & EMS
Phone:

Description: HVAC Filed Sub-bid- Alternate Bid Acceptance

We are pleased to offer the following specifications and pricing to make the following changes:

Description	Price																				
Due to the accepted bid-protest, Dellbrook JKS will be contracting with the 2nd lowest bidder, Apex. This requires an increase to the total contract value.	81,600																				
<table style="width: 100%; border: none;"> <tr> <td style="width: 40%;"></td> <td style="width: 10%; text-align: right;">Subtotal:</td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: right;">\$81,600</td> </tr> <tr> <td style="text-align: right;">OH&P</td> <td style="text-align: right;">\$81,600</td> <td style="text-align: right;">5%</td> <td style="text-align: right;">\$4,080</td> </tr> <tr> <td style="text-align: right;">Liability Insurance</td> <td style="text-align: right;">\$85,680</td> <td style="text-align: right;">1%</td> <td style="text-align: right;">\$1,028</td> </tr> <tr> <td style="text-align: right;">P&P Bond</td> <td style="text-align: right;">\$86,708</td> <td style="text-align: right;">1%</td> <td style="text-align: right;">\$477</td> </tr> <tr> <td></td> <td style="text-align: right;">Total:</td> <td></td> <td style="text-align: right;">\$87,185</td> </tr> </table>			Subtotal:		\$81,600	OH&P	\$81,600	5%	\$4,080	Liability Insurance	\$85,680	1%	\$1,028	P&P Bond	\$86,708	1%	\$477		Total:		\$87,185
	Subtotal:		\$81,600																		
OH&P	\$81,600	5%	\$4,080																		
Liability Insurance	\$85,680	1%	\$1,028																		
P&P Bond	\$86,708	1%	\$477																		
	Total:		\$87,185																		

The total amount to provide this work is

Submitted by: DELLBROOK CONSTRUCTION LLC

Approved by: _____
 Date: _____

Contracting Inc. 2: \$0.00
 21 Old Farm Road
 Wayland, MA 01778

21 00 00 Fire Protection Sub Bid Date: Tuesday, February 08, 2022 12:00 PM

SUB BID STATUS:
 Official

Bidder	Base Bid	Alternates	Bid Restricted to:	Bidders Excluded from using this bid:
Yankee Sprinkler Co., Inc. 612 Plymouth Street East Bridgewater, MA 02333	\$439,000.00	1: \$0.00 2: \$0.00		
Delta Mechanical Contractors, LLC 44 Wilclar St. Warwick, RI 02886	\$519,900.00	1: \$0.00 2: \$0.00		
Carlisle Engineering, Inc. 132 Brookside Ave. Jamaica Plain, MA 02130	\$771,800.00	1: \$0.00 2: \$0.00		
Rustic Fire Protection 320 West Main Street Norton, MA 02766	\$801,500.00	1: \$0.00 2: \$0.00		

22 00 00 Plumbing Sub Bid Date: Tuesday, February 08, 2022 12:00 PM

SUB BID STATUS:
 Official

Bidder	Base Bid	Alternates	Bid Restricted to:	Bidders Excluded from using this bid:
Delta Mechanical Contractors, LLC 44 Wilclar St. Warwick, RI 02886	\$903,600.00	1: \$0.00 2: \$0.00		
Araujo Bros. Plumbing, Inc. PO Box 50225 New Bedford, MA 02745	\$1,367,000.00	1: \$0.00 2: \$0.00		

23 00 00 HVAC Sub Bid Date: Tuesday, February 08, 2022 12:00 PM

SUB BID STATUS:
 Official

Bidder	Base Bid	Alternates	Bid Restricted to:	Bidders Excluded from using this bid:
Delta Mechanical Contractors, LLC 44 Wilclar St. Warwick, RI 02886	\$1,073,100.00	1: \$0.00 2: \$0.00		
Apex Corp 56 Charles St Abington, MA 02351	\$1,154,700.00	1: \$0.00 2: \$0.00		

26 00 00 Electrical Sub Bid Date: Tuesday, February 08, 2022 12:00 PM

SUB BID STATUS:
 Official



15 Research Road
 East Falmouth, MA 02536
 Ph : (508) 540-6226

Change Request

To: John Keenan
 Keenan + Kenny Architects, Ltd
 189 Main Street, Suite 2A
 Falmouth, MA 02540
 Ph: 508-540-0075 Fax: 508-540-0079

Number: COR 002
Date: 3/29/22
Job: 20-22-0011 Chilmark Fire Station & EMS
Phone:

Description: BDA System Deletion

We are pleased to offer the following specifications and pricing to make the following changes:

Description	Price
American Electrical Change Proposal # 1- Deletion of BDA System and related components as outlined in the proposal.	(50,927)
Subtotal:	
OH&P	(50,927) \$0
Liability Insurance	(50,927) 1% \$(611)
P&P Bond	(51,538) 1% \$(283)
Total:	\$(51,822)

The total amount to provide this work is \$(51,822)

Submitted by: DELLBROOK CONSTRUCTION LLC

Approved by: _____
 Date: _____



Change Order

CP #01 (Delete BDA)

American Electrical Construction, Inc.

180 South Meadow Road
Plymouth, MA 02360
Phone: 508-747-5600
Website: www.americanelectricalconstruction.com

Dellbrook/JKS
859 Willaerd Street
Quincy, MA 02169

29 March 2022
Chilmark, Fire Station & EMS HQ

3 Menemsha Cross Road
Chilmark, MA 02535

Attention: Tom Shevory

Re: Change Order CP #01 for: Chilmark, Fire Station & EMS HQ Dellbrook/JKS Project #2211

Mr. Thomas Shevory
Project Manager
15 Research Road
Unit #4440
East Falmouth, MA 02536

RE: Dellbrook/JKS Project 2211 - AEC Project 22-01 - Chilmark Fire & EMS

Dear Mr. Shevory:

American Electrical Construction, Inc. (AEC) proposes to modify our contract to perform the following lump sum revisions to our work per our enclosed detailed backup. As built costs are not included in this proposal.

This is a lump sum forward looking estimate of the above-noted change to our scope of work. This estimate represents a price we are willing to accept to assume the cost risk of this change to our ongoing work given the information provided to us. The labor and material prices contained in this proposal are based upon vendor/sub-contractor quotes (if noted) and/or electrical industry pricing guides such as NECA, Trade Service, or R.S. Means, which guides are widely used and accepted in the construction industry to facilitate timely and consistent change order pricing. This estimate is offered for your review, approval and acceptance.

The value included in this proposal does not include any amounts for extended contract duration, overtime, changes in the sequence of work, acceleration, disruptions, interference and/or impacts, and the right is expressly reserved to recover any and all of these related items prior to any final settlement of this contract. The working relationship between your company and ours shall be in accordance with our mutually agreed to contract form.

AEC reserves the right to void this proposal after thirty (30) days from the date above.

If you have any questions regarding the above, please do not hesitate to contact me at (508) 747-5600 or mmaher@americanelectricalconstruction.com.

Very Truly Yours,

Matthew J. Maher
Project Manager

AMERICAN ELECTRICAL CONSTRUCTION, INC.

We reserve the right to correct this quote for errors and or omissions. All wiring to meet the requirements of the 2020 National Electrical Code.

Pricing:
For the Sum of \$-50,926.96



Change Order

CP #01 (Delete BDA)

American Electrical Construction, Inc.

180 South Meadow Road

Plymouth, MA 02360

Phone: 508-747-5600

Website: www.americanelectricalconstruction.com

The Change Order expires on 25-Apr-22.

We request an additional 0 days be added to the completion date of the project.

Sincerely,

Robert Sullivan

American Electrical Construction, Inc.

Job ID: 22-01-03
Project: Chilmark, Fire Station & EMS HQ
 3 Menemsha Cross Road



Chilmark MA 02535

CO: CP #01: CP #01 (Delete BDA)

Change Order Summary

25 Mar 2022 13:56:20

Bid Name: CP #01 (DELETE BDA)

Drawing	Phase	Quote \$	Material \$	Equip \$	SubCon \$	Labor Hrs
	UNASSIGNED QES	-50,926.96	0.00	0.00	0.00	0.00
Sheet Totals:		-50,926.96	0.00	0.00	0.00	0.00
Tax:		0.00	0.00	0.00	0.00	

Bid Notes:

Deletion of BDA at Fire Station and EMS Station.

TAX RATES

Material:	0.0000%
Quote:	0.0000%
Labor:	0.0000%
Equipment:	0.0000%
Subcontract:	0.0000%
Job:	0.0000%

MISCELLANEOUS

Avg. Lbr. Rate (Cost):	0.00
Avg. Lbr. Rate (Bid):	0.00
Total Square Feet:	1.00
Cost Per Sq. Ft.:	-50,926.96
Labor \$ Per Sq. Ft.:	0.00
Labor Hrs Per Sq. Ft.:	0.00
Quantity of Units:	1.00
Cost Per Unit:	-50,926.96
Calc. Adjustment:	0.00%

Sub Total (Quo/Mat/Equip/Sub):	-50,926.96	
Sales Tax:	0.00	
Sub Total:	-50,926.96	-50,926.96
Direct Labor \$:		0.00
Indirect Labor \$:		0.00
Labor Escalation:		0.00
Labor Tax:		0.00
Direct Job Costs (0.00%):		0.00
Prime Cost:		-50,926.96
Overhead (Avg. 0.00%):		0.00
Net Cost:		-50,926.96
Profit (Avg. 0.00%):		0.00
Job Tax:		0.00
Bond (0.0000%):		0.00
Lump Sum:		0.00
Selling Price:		-50,926.96

LABOR ADJUST											
ESTIMATED HOURS	ELECTRICAL	MACH-OPERA TOR	LOW VOLTAGE	Labor Class 4	Labor Class 5	Labor Class 6	Labor Class 7	Labor Class 8	Labor Class 9	Labor Class 10	Labor Class 11
REGULAR	--	--	--	--	--	--	--	--	--	--	--
OVERTIME	--	--	--	--	--	--	--	--	--	--	--
SHIFT-2	--	--	--	--	--	--	--	--	--	--	--
SHIFT-3	--	--	--	--	--	--	--	--	--	--	--
DOUBLE TIME	--	--	--	--	--	--	--	--	--	--	--
ESTIMATED HOURS:	--	--	--	--	--	--	--	--	--	--	--
LOSS LBR ADJ:	--	--	--	--	--	--	--	--	--	--	--
CALCULATED HRS											
REGULAR	--	--	--	--	--	--	--	--	--	--	--
OVERTIME	--	--	--	--	--	--	--	--	--	--	--
SHIFT-2	--	--	--	--	--	--	--	--	--	--	--
SHIFT-3	--	--	--	--	--	--	--	--	--	--	--
DOUBLE TIME	--	--	--	--	--	--	--	--	--	--	--
TOTAL ADJ LABOR:	--	--	--	--	--	--	--	--	--	--	--
TOTAL ADJUSTED LABOR HOURS:											0.00

DIRECT LABOR							
Labor Class	Job Description	Labor Type	Crew	Rate	Man Hours	Extension	
						\$0.00	
AVERAGE DIRECT LABOR RATE:		\$0.00		TOTAL DIRECT LABOR:			\$0.00

INDIRECT LABOR			
Labor Description	Hours	Rate	Ext \$
TOTAL INDIRECT LABOR:			\$0.00

DIRECT LABOR TOTAL:	0.00
INDIRECT LABOR TOTAL:	0.00
LABOR ESCALATION:	0.00
LABOR \$ ADJUSTMENT:	0.00
LABOR TAX:	0.00
LABOR TOTAL:	\$0.00
MATERIAL:	0.00
MATERIAL ESCALATION:	0.00
MATERIAL ADJUSTMENT:	0.00
MATERIAL TAX:	0.00
MATERIAL TOTAL:	\$0.00

QUOTES		
Component	Vendor	Amount
BDA SYSTEM	01-06	-25,463.48
BDA SYSTEM	01-06	-25,463.48

Bid Summary Sheet: Chilmark, Fire Station & EMS HQ

25 Mar 2022 1:56PM

QUOTED MATERIAL:	-50,926.96
ADJUSTMENT:	0.00
QUOTE TAX:	0.00
QUOTED MATERIAL TOTAL:	-\$50,926.96

SUBCONTRACTS

Component	Vendor	Amount

SUBCONTRACTS:	0.00
ADJUSTMENT:	0.00
SUBCONTRACT TAX:	0.00
SUBCONTRACTS TOTAL:	\$0.00

EQUIPMENT

Component	Vendor	Amount

EQUIPMENT:	0.00
ADJUSTMENT:	0.00
EQUIPMENT TAX:	0.00
EQUIPMENT TOTAL:	\$0.00

DIRECT JOB COSTS

Description	Dollars

TOTAL DIRECT JOB COSTS:	\$0.00
JOB COST w/NO OVERHEAD:	-\$50,926.96

OVERHEAD

MATERIAL OVERHEAD:(0% markup)	0.00
QUOTES OVERHEAD:(0% markup)	0.00
LABOR OVERHEAD:(0% markup)	0.00
SUBCONTRACTS OVERHEAD:(0% markup)	0.00
EQUIPMENT OVERHEAD:(0% markup)	0.00
DJC OVERHEAD:(0% markup)	0.00

TOTAL OVERHEAD:	\$0.00
JOB COST w/OVERHEAD:	-\$50,926.96

PROFIT

MATERIAL PROFIT:(0% markup)	0.00
QUOTES PROFIT:(0% markup)	0.00
LABOR PROFIT:(0% markup)	0.00
SUBCONTRACTS PROFIT:(0% markup)	0.00
EQUIPMENT PROFIT:(0% markup)	0.00
DJC PROFIT:(0% markup)	0.00

TOTAL PROFIT:	\$0.00
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MISCELLANEOUS

JOB TAX:	0.00
BOND:	0.00

MISCELLANEOUS TOTAL: 0.00

LUMP SUM

LUMP SUM 1:	0.00
LUMP SUM 2:	0.00
LUMP SUM 3:	0.00
LUMP SUM 4:	0.00

LUMP SUM TOTAL: 0.00

BID TOTAL: **-\$50,926.96**



Quotation

Bear Communications, Inc. dba Comtronics, a BearCom Company
 1230 Furnace Brook Parkway
 Quincy, MA 02169
 617-770-0212 (P) 617-770-0429 (F)

Date : 3/25/2022

Quotation Number : 45958 - 0

Department : BDA 3529

Quotation For : American Electrical

Phone : 508-747-5600

Attention : Bob Sullivan
 rsullivan@americanelectricalconstruction.com

Fax : 508-747-5601

Invoice To: American Electrical
 Construction, Inc.
 180C South Meadow Road
 Plymouth, MA 02360

Ship To: Tri-Town EMS HQ
 399 Middle Road
 Chilmark, MA 02535

Salesperson	Terms	Quote Valid To	Shipping Date	Shipping Via
Sara Ozberak		4/18/2022		

Comments or Special Instructions Tri-Town EMS HQ BDA # 3529

Quantity	Description	Unit Price	Amount
	<p>Pricing for 20' of Two Hour Fire Rated cable for the Donor Antenna to meet NFPA 72 requirements is included within this proposal.</p> <p>It is important to note that due to the size of the facility, it is impossible to amplify all the required frequencies with sufficient isolation. Therefore, the proposed system will amplify the Fire Operations and Police Dispatch frequencies only.</p> <p>Per the AHJ, a waiver and approval to amplify some of the required frequencies will need to be obtained by the Fire Chief before implementing the system.</p> <p>Additionally, the AHJ requires that an RF Survey be performed to verify if a system is needed once the building is constructed and water tight.</p> <p>Please refer to Quote #45963 for RF Survey pricing.</p> <p>=====</p> <p>BDA HEAD END EQUIPMENT</p> <p>=====</p> <p>ALL PARTS LISTED BELOW COMPRISING HEAD END</p>		
1.00	<p>DIGITAL SIGNAL BOOSTER.VHF 136-174MHz, NFPA, Class A, UL2524 Chilmark 155.4375 / 159.1950 Dukes County Fire Operations 156.2175 / 159.3525 Dukes County Police Dispatch - Operations</p>	\$10500.00	\$ 10,500.00
1.00	<p>NFPA Compliant BDA Power Supply, Charger with Battery Enclosure & Batteries</p>	\$3500.00	\$ 3,500.00





Quotation

Bear Communications, Inc. dba Comtronics, a BearCom Company
 1230 Furnace Brook Parkway
 Quincy, MA 02169
 617-770-0212 (P) 617-770-0429 (F)

Date : 3/25/2022
Quotation Number : 45958 - 0
 Department : BDA 3529

Quantity	Description	Unit Price	Amount
	=====		
	2 HOUR FIRE RATED CABLE & ASSOCIATED COMPONENTS		
	=====		
20.00	Cable, 1/2" 2-Hour Burn	\$80.00	\$ 1,600.00
2.00	RFS - Female OMNI FIT for	\$27.49	\$ 54.98
1.00	Tube, Heat Shrink	\$22.50	\$ 22.50
1.00	Hanger, Non-Insulated, 1/2"	\$40.00	\$ 40.00
	=====		
	DONOR ANTENNA EQUIPMENT		
	=====		
1.00	ALL COMPONENTS LISTED BELOW FOR DONOR: VHF Donor Antenna Lightning Arrestor	\$646.00	\$ 646.00
	=====		
	DEDICATED BDA SECONDARY ALARM PANE MEETS NFPA CODE 24.5.6.2 (2) WIRE VERSION		
	=====		
1.00	Dedicated Monitoring Panel (DMP) Remote Box Assembly & DMP Remote Cover Assembly Kit with touch screen, Incident Reporting, wall or flush mount option	\$900.00	\$ 900.00
	=====		
	DISTRIBUTED ANTENNA SYSTEM		
	=====		
1.00	ALL COMPONENTS LISTED BELOW FOR DAS Includes: 200' 1/2" Standard Plenum Cable 2 Omni Antennas 1 Splitters 6 Connectors	\$500.00	\$ 500.00
	=====		
	TERMINATIONS, PROJECT MANAGEMENT, WARRANTY		
	=====		
1.00	Engineering, Design, Submittals, Permitting	\$2200.00	\$ 2,200.00
1.00	Termination, Optimization, Testing, walk thru with Fire Dept., As Built Documentation	\$5500.00	\$ 5,500.00
1.00	BDA, First Yr 24/7 Warr Srvs	\$0.00	\$ -
0.00	Optional Two Year Extended Warranty	\$1350.00	\$ -





Quotation

Bear Communications, Inc. dba Comtronics, a BearCom Company
 1230 Furnace Brook Parkway
 Quincy, MA 02169
 617-770-0212 (P) 617-770-0429 (F)

Date : 3/25/2022

Quotation Number : 45958 - 0

Department : BDA 3529

Unless detailed otherwise in a line item above, the following Services, Exclusions and Provisions apply.

BDA Professional & Technical Services to be Supplied:

- Comtronics-Bearcom supplies Parts and Smarts to RF Related items only.
- Comtronics-Bearcom will -
 - Obtain BDA permit from Fire Dept. with EC supplied information
 - Except Worcester where either the EC or GC will obtain the permit.
 - Provide detailed technical submittals prepared with iBwave Design Software
 - by in-house Certified iBwave designers
 - Provide on-site system design & engineering service throughout the project
 - Provide in-house ETA Certified techs to mount, terminate antennas
 - Provide system commissioning by in-house ETA Sr. Certified techs
 - Provide soft copies of O&M manuals & As-Built docs for GC & FD Dept.
 - Coordinate final testing with the fire department for BDA system sign off

Exclusions of Services & Parts:

- Electrical Permit – Comtronics is NOT a licensed electrical contractor
- Engineered stamped drawings
- 3rd party testing and documentation
- Fire alarm cable
- Fire alarm panel hardware or modules
- Fiber cables, patch panels, modules, etc and testing
- Building related construction materials and fire stopping including
 - 2-Hour Fire-Rated pathways and enclosures
 - A 2-Hour Fire Rated Coax Cable can be quoted upon request
 - A document showing 2-Hour Fire-Rating requirements is available upon request
- Rental of specialized lift or platforms to access any items above 7ft
- IP network requirements, if needed, are understood and agreed to by the owner's IT personnel.
- HEPA tents, if required, must be supplied by the owner(s).
- Hard copies, of all documentation including O&M manuals. Only electronic copies will be supplied.

Quotation Provisions:

- Final pricing confirmed and provided per actual RF Site Survey
 - Survey to be performed once the structure has a roof, walls, windows, and sheetrock installed
- Contractor shall notify Comtronics-BearCom in advance to arrange RF Site Survey
- Proposal estimate based on -
 - Vertical ½" Plenum cable installed from roof to lowest level of the building
 - Horizontal plenum Cable run on all sub-levels in supplied design and ground floor
- Massachusetts State sales tax is applicable unless the end-user is a tax-exempt entity.
- Comtronics proposal does not include training unless specifically itemized.
- All work is proposed during normal business hours, 7:00 am through 4:00 pm Monday through Friday.
 - Afterhours & weekend labor will be added to the final invoice
- Prevailing wage is not included;
 - Comtronics must be notified before accepting this proposal
- Battery back system quoted meets the requirements of NPFA 72 section 24.5.2.5.2* Secondary Power Source option,
 - A storage battery dedicated to the system with at least 12 hours of 100 percent system operation capacity
 - In accordance with 10.6.10.
 - All other power requirements must be supplied by the building as necessary
- If software-simulated radio coverage prediction heat maps are required, then CAD files must be supplied.



Quotation

Bear Communications, Inc. dba Comtronics, a BearCom Company
 1230 Furnace Brook Parkway
 Quincy, MA 02169
 617-770-0212 (P) 617-770-0429 (F)

Date : 3/25/2022
Quotation Number : 45958 - 0
 Department : BDA 3529

- All documentation including O&M manuals will be supplied electronically via PDF
- No Hard "Printed" copies will be supplied

BDA Ordering

Industry-wide we are experiencing major delays with BDA manufacturers. Lead times on BDA units are exceptionally longer than usual.
 Standard practice is to wait until we receive approval of the submittal from the GC and AHJ to order the BDA as the submittal details the RF frequencies the BDA will amplify. Waiting for the submittal feedback allows us to make changes to the BDA before we place the order to our manufacture to ensure additional frequencies are not required compared to the original RFP.
 If additional frequencies are required a change order may be issued.
 Every effort is made to ensure frequency are accurate when quoted, however, some circumstances are beyond BearCom's control.

Unless noted below the BDA unit will not be ordered till the submittal is approved
 Please sign here to order the BDA unit **now** per the frequencies on this quote.

Signature _____

Attached to the associated email please see BDA installation Scope Of Work summary.
 Detailed version available upon request. Please contact us with any questions.

Authorized Signature: _____
Date : _____
P.O. Number : _____

	\$25,463.48
Tax Rate	0.00 %
Sales Tax	\$0.00
Shipping and Handling	\$0.00
TOTAL	\$25,463.48

Standard Bearcom Terms and Conditions apply.
 See attached document and contact us with any questions.

Please make all checks payable to: Bear Communications, Inc. dba Comtronics, a BearCom Company
 If you have any questions concerning this quote, please call Sara Ozberak

THANK YOU FOR YOUR BUSINESS !!!





Quotation

Bear Communications, Inc. dba Comtronics, a BearCom Company
 1230 Furnace Brook Parkway
 Quincy, MA 02169
 617-770-0212 (P) 617-770-0429 (F)

Date : 3/25/2022

Quotation Number : 45957 - 0

Department : BDA 3528

Quotation For : American Electrical

Phone : 508-747-5600

Attention : Bob Sullivan
 rsullivan@americanelectricalconstruction.com

Fax : 508-747-5601

Invoice To: American Electrical
 Construction, Inc.
 180C South Meadow Road
 Plymouth, MA 02360

Ship To: Chilmark Fire Station
 Menemsha Road
 Chilmark, MA 02535

Salesperson	Terms	Quote Valid To	Shipping Date	Shipping Via
Sara Ozberak		4/18/2022		

Comments or Special Instructions Chilmark Fire Station BDA # 3528

Quantity	Description	Unit Price	Amount
	<p>Pricing for 20' of Two Hour Fire Rated cable for the Donor Antenna to meet NFPA 72 requirements is included within this proposal.</p> <p>It is important to note that due to the size of the facility, it is impossible to amplify all the required frequencies with sufficient isolation. Therefore, the proposed system will amplify the Fire Operations and Police Dispatch frequencies only.</p> <p>Per the AHJ, a waiver and approval to amplify some of the required frequencies will need to be obtained by the Fire Chief before implementing the system.</p> <p>Additionally, the AHJ requires that an RF Survey be performed to verify if a system is needed once the building is constructed and water tight.</p> <p>Please refer to Quote #45962 for RF Survey pricing.</p> <p>=====</p> <p>BDA HEAD END EQUIPMENT</p> <p>=====</p> <p>ALL PARTS LISTED BELOW COMPRISING HEAD END</p>		
1.00	DIGITAL SIGNAL BOOSTER.VHF 136-174MHz, NFPA, Class A, UL2524 Chilmark 155.4375 / 159.1950 Dukes County Fire Operations 156.2175 / 159.3525 Dukes County Police Dispatch - Operations	\$10500.00	\$ 10,500.00
1.00	NFPA Compliant BDA Power Supply, Charger with Battery Enclosure & Batteries	\$3500.00	\$ 3,500.00





Quotation

Bear Communications, Inc. dba Comtronics, a BearCom Company
 1230 Furnace Brook Parkway
 Quincy, MA 02169
 617-770-0212 (P) 617-770-0429 (F)

Date : 3/25/2022
 Quotation Number : 45957 - 0
 Department : BDA 3528

Quantity	Description	Unit Price	Amount
	=====		
	2 HOUR FIRE RATED CABLE & ASSOCIATED COMPONENTS		
	=====		
20.00	Cable, 1/2" 2-Hour Burn	\$80.00	\$ 1,600.00
2.00	RFS - Female OMNI FIT for	\$27.49	\$ 54.98
1.00	Tube, Heat Shrink	\$22.50	\$ 22.50
1.00	Hanger, Non-Insulated, 1/2"	\$40.00	\$ 40.00
	=====		
	DONOR ANTENNA EQUIPMENT		
	=====		
1.00	ALL COMPONENTS LISTED BELOW FOR DONOR: VHF Donor Antenna Lightning Arrestor	\$646.00	\$ 646.00
	=====		
	DEDICATED BDA SECONDARY ALARM PANE MEETS NFPA CODE 24.5.6.2 (2) WIRE VERSION		
	=====		
1.00	Dedicated Monitoring Panel (DMP) Remote Box Assembly & DMP Remote Cover Assembly Kit with touch screen, Incident Reporting, wall or flush mount option	\$900.00	\$ 900.00
	=====		
	DISTRIBUTED ANTENNA SYSTEM		
	=====		
1.00	ALL COMPONENTS LISTED BELOW FOR DAS Includes: 200' 1/2" Standard Plenum Cable 2 Omni Antennas 1 Splitters 6 Connectors	\$500.00	\$ 500.00
	=====		
	TERMINATIONS, PROJECT MANAGEMENT, WARRANTY		
	=====		
1.00	Engineering, Design, Submittals, Permitting	\$2200.00	\$ 2,200.00
1.00	Termination, Optimization, Testing, walk thru with Fire Dept., As Built Documentation	\$5500.00	\$ 5,500.00
1.00	BDA, First Yr 24/7 Warr Srvs	\$0.00	\$ -
0.00	Optional Two Year Extended Warranty	\$1350.00	\$ -





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Unless detailed otherwise in a line item above, the following Services, Exclusions and Provisions apply.

BDA Professional & Technical Services to be Supplied:

- Comtronics-Bearcom supplies Parts and Smarts to RF Related items only.
- Comtronics-Bearcom will -
 - Obtain BDA permit from Fire Dept. with EC supplied information
 - Except Worcester where either the EC or GC will obtain the permit.
 - Provide detailed technical submittals prepared with iBwave Design Software
 - by in-house Certified iBwave designers
 - Provide on-site system design & engineering service throughout the project
 - Provide in-house ETA Certified techs to mount, terminate antennas
 - Provide system commissioning by in-house ETA Sr. Certified techs
 - Provide soft copies of O&M manuals & As-Built docs for GC & FD Dept.
 - Coordinate final testing with the fire department for BDA system sign off

Exclusions of Services & Parts:

- Electrical Permit – Comtronics is NOT a licensed electrical contractor
- Engineered stamped drawings
- 3rd party testing and documentation
- Fire alarm cable
- Fire alarm panel hardware or modules
- Fiber cables, patch panels, modules, etc and testing
- Building related construction materials and fire stopping including
 - 2-Hour Fire-Rated pathways and enclosures
 - A 2-Hour Fire Rated Coax Cable can be quoted upon request
 - A document showing 2-Hour Fire-Rating requirements is available upon request
- Rental of specialized lift or platforms to access any items above 7ft
- IP network requirements, if needed, are understood and agreed to by the owner's IT personnel.
- HEPA tents, if required, must be supplied by the owner(s).
- Hard copies, of all documentation including O&M manuals. Only electronic copies will be supplied.

Quotation Provisions:

- Final pricing confirmed and provided per actual RF Site Survey
 - Survey to be performed once the structure has a roof, walls, windows, and sheetrock installed
- Contractor shall notify Comtronics-BearCom in advance to arrange RF Site Survey
- Proposal estimate based on -
 - Vertical ½" Plenum cable installed from roof to lowest level of the building
 - Horizontal plenum Cable run on all sub-levels in supplied design and ground floor
- Massachusetts State sales tax is applicable unless the end-user is a tax-exempt entity.
- Comtronics proposal does not include training unless specifically itemized.
- All work is proposed during normal business hours, 7:00 am through 4:00 pm Monday through Friday.
 - Afterhours & weekend labor will be added to the final invoice
- Prevailing wage is not included;
 - Comtronics must be notified before accepting this proposal
- Battery back system quoted meets the requirements of NPFA 72 section 24.5.2.5.2* Secondary Power Source option,
 - A storage battery dedicated to the system with at least 12 hours of 100 percent system operation capacity
 - In accordance with 10.6.10.
 - All other power requirements must be supplied by the building as necessary
- If software-simulated radio coverage prediction heat maps are required, then CAD files must be supplied.



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- All documentation including O&M manuals will be supplied electronically via PDF
- No Hard "Printed" copies will be supplied

BDA Ordering

Industry-wide we are experiencing major delays with BDA manufacturers. Lead times on BDA units are exceptionally longer than usual.
 Standard practice is to wait until we receive approval of the submittal from the GC and AHJ to order the BDA as the submittal details the RF frequencies the BDA will amplify. Waiting for the submittal feedback allows us to make changes to the BDA before we place the order to our manufacture to ensure additional frequencies are not required compared to the original RFP.
 If additional frequencies are required a change order may be issued.
 Every effort is made to ensure frequency are accurate when quoted, however, some circumstances are beyond BearCom's control.

Unless noted below the BDA unit will not be ordered till the submittal is approved
 Please sign here to order the BDA unit **now** per the frequencies on this quote.

Signature _____

Attached to the associated email please see BDA installation Scope Of Work summary.
 Detailed version available upon request. Please contact us with any questions.

Authorized Signature:	_____
Date :	_____
P.O. Number :	_____

	\$25,463.48
Tax Rate	0.00 %
Sales Tax	\$0.00
Shipping and Handling	\$0.00
TOTAL	\$25,463.48

Standard Bearcom Terms and Conditions apply.
 See attached document and contact us with any questions.

Please make all checks payable to: Bear Communications, Inc. dba Comtronics, a BearCom Company
 If you have any questions concerning this quote, please call Sara Ozberak

THANK YOU FOR YOUR BUSINESS !!!

