Fire Alarm System Submittal For

The Arc Harnett County Group Home #3

141 East Jackson Street, Coats, NC

PROPOSED EQUIPMENT LIST

PAGE #	QTY	PART #	DESCRIPTION
100	1	V32FB	FACP - Fire Alarm Control Panel - **EXISTING**
200	1	HW-AV-LTE-M	FACT - 4G/LTE Dual Path U.L. Fire Cell Transmitter - **NEW**
200	1	HW-AV-ENC	FACT - Metal Enclosure - **NEW**
795	1	N/A	Warranty

Honeywell

VISTA-32FB ⬅

COMMERCIAL PARTITIONED FIRE AND BURGLARY ALARM CONTROL PANEL

Now UL864 9th Edition Approved ⬅

Designed to integrate seamlessly with CCTV, access control and Honeywell's full range of fire and burglary components, the new VISTA-32FB provides the ultimate protection of life and property. The UL Listed commercial fire and burglary control panel supports up to two partitions and up to 32 zones/points using hardwired, wireless and V-Plex® addressable technologies. A diverse line of Honeywell initiating devices, notification circuits, communication devices, keypads, RF receivers and relays are also supported. The VISTA-32FB has been designed to mount quickly and easily.

FEATURES

- Supports addressable V-Plex access control points using VistaKey (One to Four doors)

- Supports eight hardwired zones, 24 V-Plex addressable points/zones, or 32 wireless points/zones

- Can control two separate areas (partitions) independently

- Stores up to 512 events and can accommodate 75 user codes

- Easily programmed and maintained with newly upgraded Compass Downloader Software

- Automatic smoke detector sensitivity maintenance testing

- Commercial Wireless Fire and Burglary

- Notification Appliance Circuits (two):
  – Programmable
  – Individually silenceable

- Carbon monoxide (CO) zone support (Rev 5 and higher)

- Programmable on-board auxiliary relay

- False alarm reduction features:
  – Exit error logic
  – Exit delay reset
  – Cross zoning
  – Call waiting defeat
  – Recent close report

- Supports commercial hardwired, addressable V-Plex polling loop and wireless zones

- Listed to UL864 9th Edition (Rev 5 and higher)

VISTA-32FB

COMMERCIAL PARTITIONED FIRE AND
BURGLARY ALARM CONTROL PANEL

Honeywell

ADDITIONAL FEATURES

- Hardwired zones
  - Provides nine style B hardwired zones
  - EOLR supervised for Fire and UL burglary installations
  - Supports N.O. or N.C. sensors
  - Individually assignable to one of eight partitions
  - Up to 16 two-wire smoke detectors each on zone one and two (32 total)

- Patented addressable V-Plex polling loop technology
  - Supports up to 24 two-wire V-Plex zones/points
  - Global polling technology for faster processing
  - Supervised by panel
  - Individually assignable to partitions, notification circuit (bell) output or aux relay
  - 4,000 ft. capability without the use of shielded cable
  - Extender/Isolation bus modules

- Two-wire smoke detector zone/group expansion module adds two or four zones
- Eight zone – Class A and B extender module
- Eight zone – Class B extender module
- One zone supervised contact monitor module

- UL Listed wireless expansion
  - Supports up to 32 wireless zones/points using 5881ENHC or 5883H Receiver
  - Supervised by control for check-in signals
  - Tamper protection for transmitters
  - Individually assignable up to eight partitions
  - Supports wireless smoke detectors

- Event reporting

- Local printer for access or VISTA related event

- Up to four doors using VistaKey V-Plex Access Control

- Stored events for one call retrieval

- Communication
  - Panel operation during download
  - Split/Dual Reporting

Applications

The VISTA-32FB control is well suited for a variety of applications as an integrated fire and burglary control. Some of the applications supported are: medical and professional buildings, churches or synagogues, office buildings, schools, strip malls, residences and factory or warehouse environments.

Installation

The VISTA-32FB alarm system has been designed to mount both quickly and easily. It meets all applicable requirements for UL commercial fire and burglary installations.

SPECIFICATIONS

Electrical

- Primary power: 18VAC @ 72VA ADEMCO No. 1451

- Quiescent current draw: 300mA

- Backup battery:
  – 12VDC, 7AH min to 34.4AH max
  – Lead acid battery (gel type)

- Alarm power: 12VDC, 1.7A max for each notification (bell) circuit output

- Aux. standby pwr: 12VDC, 1A max

- Total power: 2.3A at 12VDC, 3.4A at 24VDC from all sources

- 24 hours with 1A standby load

Fusing

- Battery input, aux. and notification (bell) circuit outputs are protected using PTC circuit protectors. All outputs are power limited.

Main Dialer

- Line seize: Double Pole

- Ringer equiv.: 0.7B

- Formats: ADEMCO Low Speed, ADEMCO 4+2 Express, ADEMCO High Speed, ADEMCO Contact ID, Sescoa and Radionics

Cabinet dimensions

- 14.5" H X 12.5" W X 3" D

Environmental

- Storage temp: 14° F to 158° F (-10° C to 70° C)

- Operating temp: 32° F to 122° F (0° C to 50° C)

- Humidity: 85% RH

- EMI: Meets or exceeds the following requirements:
  – FCC Part 15, Class B Device
  – FCC Part 68
  – IEC EMC Directive

Agency Listings

- FCC Part 15, Class B; FCC Part 68

- UL864/NFPA 72, Central Station and Remote Station (Fire)

- UL609 Local Mercantile Premises/Mercantile Safe & Vault

- UL365 police station connected burglar alarm

- UL610 Central Station Burglar Alarm

- California State Fire Marshal

- FM

- CAN/ULC S304 – Central and Monitoring Station Burglar Alarm Unit

- CAN/ULC S527 – Central Unit for Fire Alarm Systems

- CAN/ULC S303 – Local Burglar Alarm Unit

- CAN/ULC S525 – Audible Signal Appliances

VISTA-32FB
COMMERCIAL PARTITIONED FIRE AND BURGLARY ALARM CONTROL PANEL

COMPATIBLE DEVICES

Auxiliary Devices
- 4204 – Relay Module, four form C contacts
- 4204CF – Two supervised output circuits
- 5140DLM – Supervised Dialer
- 5881ENHC – RF Receiver
- 5883H – RF Receiver
- 6160CR-2 – Red Alpha Keypad ◄
- 6160 – Burglary Keypad
- 6220S – System printer used with 4100SM serial module

Two-Wire Smoke Detectors
Conventional
- System Sensor ◄
- ESL
- DSC

Horn/Strobes
- System Sensor
- Wheelock
- Gentex

Manual Pull Stations
- 5140MPS-1
- 5140MPS-2

V-Plex (Addressable) Devices
- 4101SN Relay Zone Module
- 4190SN Remote Point Module – two zones

- 4190WH
- 4193SN Two Zone Serial Interface Module
- 4208U Loop Expansion Module – eight zones
- 4208SNF Eight Zone/2 Class A/6 Class B Expander Module
- 4293SN One Zone Serial Interface Module
- 4297 Isolator/Extender Module
- V-Plex VSI Isolator Module

V-Plex Smoke Detectors
- 5193SD
- 5193SDT

V-Plex Passive Infrared Detectors
- 998MX
- IS2500SN
- DT7500SN
- QUEST2260SN

V-Plex Contacts
- 4194WH
- 4939SN-WH
- 4944SN-WH
- 4959SN

V-Plex Glassbreak Detectors
- FG1625SN

AlarmNet Communicators
- 7545i-ENT – Internet/Intranet Communicator
- 7845GSM – Digital Cellular Communicator
- 7845i-GSM – Internet and Digital Cellular Communicator

Access Control
- VistaKey V-Plex (addressable) Access Control
- VistaKey-SK Starter Kit
- VistaKey-EX Expansion Kit

Commercial Wireless Devices
- 5808W3 – Photoelectronic Smoke/Heat Detector
- 5806W3 – Photoelectric Smoke Detector
- 5809 – Wireless Heat Detector
- 5817CB – Wireless Commercial Transmitter
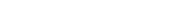- 5869 – Hold-Up Transmitter
- 5881ENHC – RF Receiver
- 5883H – RF Receiver

Product specifications subject to change.

ORDERING

VISTA-32FB	Commercial Fire and Partitioned Burglary Alarm Platform
V32FB-9	UL864 Rev 9 Version (Rev 5 and higher) ◄

Honeywell

HW–AV–LTE–M CLSS PATHWAY

Connected Life Safety Services (CLSS) Dual–Path LTE Communicator with Dial Capture Interface

The Honeywell® CLSS Pathway is a differentiated communications platform with dual support for AT&T® and Verizon® and integrated features powered by the CLSS Cloud.

The CLSS Pathway combines dial capture functionality with the powerful capabilities of Honeywell's CLSS Cloud. It represents the latest alarm communications technology for the fire industry. The CLSS Pathway allows data transmission by utilizing LTE CAT-M1 networks, serving as a bridge between the fire system and the CLSS Cloud.

This device provides a single site-to-cloud path ensuring all CLSS Cloud services use the same audited and monitored method to access the on-premises life safety system.

HONEYWELL CONNECTED LIFE SAFETY SERVICES (CLSS)

Honeywell CLSS is an innovative, all-in-one cloud platform that enables systems integrators and facilities managers to deliver an enhanced fire safety service, while maximizing the performance efficiencies offered by Honeywell's trusted detection and alarm systems. The CLSS platform enables users to:

- Get a "bird's eye" view of all accounts
- Obtain real-time information on event generation, enabling diagnosis before dispatch
- Conduct tests and inspections using a mobile app (available in select markets)
- Provide end users with multi-site asset information and event alerts

DUAL AT&T AND VERIZON SUPPORT

Equipped with dual SIM cards, the CLSS Pathway supports both AT&T and Verizon networks. When first powered on, the communicator selects the strongest signal. If either path is not available, the device provides redundant paths for the cellular signal.

SIMPLIFIED INSTALLATION

The CLSS Pathway is commissioned via the CLSS mobile app and CLSS Site Manager interface, which also allow for additional remote visibility.

Connection and mounting is simplified using the enclosure kit. The CLSS Pathway is compatible with any fire alarm dialer using Contact ID format and automatically recognizes the format when powered up. Any number can be programmed into the panel phone numbers. Installers can select the central station service they wish to use from a list of approved central station providers. Only account numbers assigned by the central station must be programmed and the dialer selected for tone dialing output.

Metal enclosure (HW-AV-ENC) for housing CLSS Pathway (HW-AV-LTE-M)

FEATURES AND BENEFITS

- Integration with CLSS enables monitoring of event transmission data & management of device inventory from the CLSS mobile app and web portal (available only when using point-based reporting)
- Meets UL 864 requirements for sole primary or backup path communications
- High reliability due to multiple transmission channels (LTE CAT-M1/LAN) and redundant servers
- Universal Panel Compatibility - Dial capture interface supporting Contact ID

- Four supervised inputs for non-dialer panels
- Unique "M1" Network is 5G ready, providing deep signal penetration that allows operation within buildings
- Remote firmware updates
- CLSS mobile app supports push and email notifications
- Monitors event transmission data & manages device inventory from the CLSS mobile app and web portal
- Exceptional Redundancy - Dual-SIM device picks the strongest signal from AT&T or

Verizon. If one network becomes unavailable, the communicator connects to the other network
- Powered directly by a 24-volt DC fire alarm power supply. No need for additional batteries, transformer, or power supply
- Connection monitoring - adjustable fault reporting time as low as 20 seconds
- Web-based software and smartphone app for device configuration and administration.

Honeywell

HW-AV-LTE-M **TECHNICAL SPECIFICATIONS**

Characteristics	Imperial Unit	Metric Unit
Electrical		
Supply Voltage	+12 to +29 VDC	
Power Consumption	• Standby: 60 mA • Peak: 200 mA	
Frequency	LTE CAT-M1 700/850/1700/1900/2100 MHz	
Environment		
Operating Temperature	32°F to 120°F	0°C to 49°C
Relative humidity:	1% to 85% Non-condensing	
Physical		
Dimensions	3.54" L x 2.48" W x 1.26" D	90 mm L x 63 mm W x 32 mm D
Weight (without antenna)	2.56 oz	72.57 gm
RoHS	Yes	
Network Providers		
• AT&T, North America • Verizon, North America • Other provider in the area networks		

AGENCY LISTINGS AND APPROVALS

The listings and approvals below apply to the HW-AV-LTE-M Communicator. In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Contact Honeywell for the latest listings.

STANDARDS AND CODES

The HW-AV-LTE-M is designed to comply with UL 864 - Control Units and Accessories for Fire Alarm Systems Units

APPROVALS

• ETL Listed
• FCC
• **CSFM:** 7300-1637: 0511

ORDERING INFORMATION

• **HW-AV-LTE-M:** Dual-Path Communicator with Dial Capture Interface only. Includes antenna.
• **HW-AV-ENC:** Enclosure for the CLSS Pathway (HW-AV-LTE-M)

CUSTOMER SUPPLIED EQUIPMENT

Mobile Device for LTE Communicator configuration (either iOS or Android).

Android™ is a trademark of Google, Inc.

AT&T® is a registered trademark of the AT&T Properties, L.P.

Honeywell® is a registered trademark of Honeywell International, Inc.

iOS® is a registered trademark of Cisco Systems Inc. licensed by Apple Inc.

Verizon® is a registered trademark of Verizon Trademark Services LLC.

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

Honeywell International, Inc.
www.fire.honeywell.com

THE FUTURE IS WHAT WE MAKE IT

Honeywell

PATRIOT SYSTEMS LLC
7339-F West Friendly Avenue
Greensboro, North Carolina 27410
Phone 800-371-7166 Fax 336-297-2171
www.patriotsystemsllc.com

SYSTEM WARRANTY

Date:

DRAFT COPY FOR INCLUSION IN SYSTEM SUBMITTAL

Re:

Thank you for allowing Patriot Systems LLC to be part of your team for your facility. The equipment and installation we provided for you are guaranteed to be free from defects in materials and workmanship for a period of one year from the date placed into service.

One full year of required onsite service to keep system(s) in normal operating condition will be provided by Patriot Systems LLC and the manufacturer(s) of the system components at no additional expense to you. This warranty coverage includes all parts, labor and travel to and from the installation location. When applicable any system software including any current revisions will be maintained by Patriot Systems LLC along with other system documentation. The system software will be upgraded when required free of charge if a new version is released during the warranty period. Any revisions of software will be upgraded at no cost to you throughout the life of the system as required to address any operational issues.

In keeping with industry standards, warranty coverage does not apply to damage to any cable, component, or system event caused directly or indirectly by accident, misuse, abuse, vandalism, negligence, water damage, contaminants such as aerosols, concrete or sheetrock dust, paint, brown out conditions, prolonged power outage, lightning or electrical surge, modifications made to any cabling or equipment by anyone other than Patriot Systems LLC's personnel, or damage to any equipment or cabling caused directly or indirectly by the work of other trades or individuals. Damage to conductors or components due to transient voltages (lightning, power surges, etc.) with TVSS devices in place is not covered under warranty due to the fact no TVSS device can assure component protection against every surge event or a lightning direct/ground strike.

Technicians are available by phone and on-site if needed 24/7/365. Our alarm center is staffed around the clock and can contact a technician on call to ensure prompt response. While service is available anytime, warranty work at no additional charge is provided during normal working days/hours. Warranty service provided outside normal business days/hours would be considered billable at prevailing service rates including travel time.

Thanks again for allowing Patriot Systems LLC to serve you and contact me if you have any questions or if I can be of further assistance.

Sincerely,

Darrell Williamson, CEO
Patriot Systems LLC
336-362-5503 (M)
800-371-7166 (O)
darrell@patriotsystemsllc.com

FIRE ALARM • AREA OF RESCUE • SECURITY • ACCESS CONTROL • SOUND & PAGING • NURSE CALL • CCTV • VOICE & DATA
DESIGN/BUILD • NICET IV IN HOUSE • 24 HR SERVICE • INSTALLATION • INSPECTIONS • SERVICE CONTRACTS • CENTRAL MONITORING
Patriot Systems, LLC is a HUB verified Minority Business Enterprise under the WBE classification.