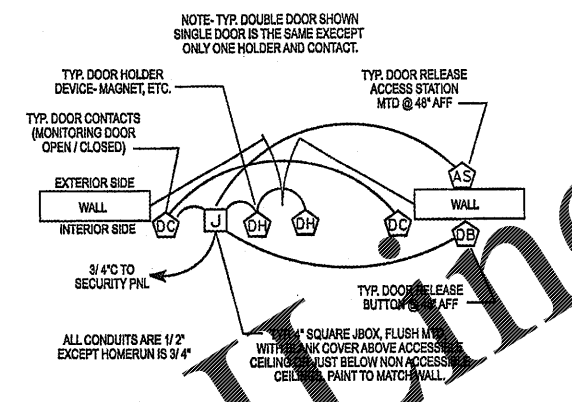


1 TV COAX DISTRIBUTION RISER DIAGRAM
E-2 SCALE: NONE



3 DOOR ACCESS & CONTROL DETAIL
NOT TO SCALE TYPICAL EACH UNIT

PA SOUND SYSTEM CRITERIA		REV
PA SOUND DISTRIBUTION SYSTEMS		
1	GENERAL ITEMS, SUBMITTALS & DOCUMENTATION	
1A	THIS PROJECT INVOLVES PROVIDING PUBLIC ADDRESS AUDIO SOUND SYSTEM AND RELATED COMPONENTS TO PROVIDE SOUND DISTRIBUTION AT LOCATION AS SHOWN ON THE DOCUMENTS	
1B	THIS PA SYSTEM INCLUDES BUT IS NOT LIMITED TO PROVIDING COMPLETE AND PROPERLY FUNCTIONING PA AUDIO SOUND SYSTEM INCLUDING SPEAKERS, AMPLIFIERS & MIXERS, INPUT COMPONENTS, WIRING & RELATED COMPONENTS, START-UP, CHECK-OUT & CERTIFICATION, MANUALS, TRAINING OF OWNER'S PERSONNEL	
1C	THIS SOUND DISTRIBUTION SYSTEM DESIGN IS BASED ON 70 VOLT DISTRIBUTION SYSTEM	
1D	THE CONTRACTOR SHALL UTILIZE THE DESIGN SERVICE OF THE FACTORY AUTHORIZED SYSTEM VENDOR TO OBTAIN THE COMPLETE AND PROPER SYSTEM DESIGN, LAYOUT(S), FUNCTION, INTEROPERABILITY WITH SYSTEMS OF OTHER TRADES, WIRING & OPERATION, AS REQUIRED BY THE PROJECT DOCUMENTS	
2	MANUFACTURERS:	
2A	THE COMPLETE SYSTEM SHALL BE PROVIDED BY A SINGLE VENDOR / INSTALLER WHO SHALL HAVE UNIT RESPONSIBILITY FOR THE ENTIRE SYSTEM. THE VENDOR SHALL BE A FACTORY AUTHORIZED AGENT OF THE MANUFACTURER AND SHALL PROVIDE EVIDENCE THERE TO.	
3	COMPONENTS - AMPLIFIER / MIXER DESIGN BASED ON - BOGEN POWER VECTOR WV150 SERIES	
4	COMPONENTS - SPEAKERS CEILING TYPE DESIGN BASED ON - BOGEN SB6725GBU SERIES	
5	COMPONENTS - SPEAKERS HORN TYPE DESIGN BASED ON - BOGEN SPT15A SERIES	
6	COMPONENTS - MICROPHONES & JACKS	
6A	MICROPHONE DESK TYPE - PROVIDE PRE-ASSEMBLED, READY TO USE DESK TYPE MICROPHONE, CARDIOID PICKUP PATTERN, PUSH TO TALK OPERATION WITH LOCKING MECHANISM, COMPLETE WITH 15 FT. CORD SET. (PROVIDE TWO)	
7	SYSTEM INSTALLATION	
7A	CONCEAL ALL WIRING IN FINISHED AREAS, UNLESS SPECIFICALLY NOTED OTHERWISE. WIRING IN AREAS WHERE IT IS EXPOSED TO VIEW (I.E. UNFINISHED AREAS, WAREHOUSE, INDUSTRIAL, ETC) ALL CABLING SHALL BE IN EMT CONDUITS (MINIMUM) WITH MATCHING BOXES, FITTING AND HARDWARE.	
8	SYSTEM TEST, VERIFICATION, DOCUMENTATION & SERVICE	
8A	THE MANUFACTURER'S FACTORY AUTHORIZED & TRAINED REPRESENTATIVE SHALL PROVIDE A TOTAL SYSTEM CHECK-OUT (OF EVERY DEVICE) AND TESTING, AND SHALL SEND WRITTEN VERIFICATION OF THE SYSTEM(S) PROPER OPERATION TO THE OWNER, ARCHITECT, ENGINEER AND FIRE MARSHAL.	
8B	PROVIDE OWNER WITH UP TO ONE FULL DAY OF ON-SITE OPERATION AND MAINTENANCE TRAINING.	
END OF SOUND DISTRIBUTION SYSTEMS		

TV COAX DISTB SYSTEM CRITERIA	
APARTMENT	
TV COAXIAL DISTRIBUTION SYSTEM SPECIFICATIONS	
1.	GENERAL ITEMS: A) This Scope-Of-Work consist of providing a Coaxial Distribution System for the distribution of SUB / VHF / CATV / UHF band signals. This work shall include, but not be limited to, the related raceway systems, wall boxes, coax cables, wall taps with coverplates, labeling & tagging, and related components. The Head-End equipment will be provided & installed by the owner, and is not a part of this contract. B) The contractor shall utilize the design service of the factory authorized system vendor to obtain the proper system layout(s), function, wiring & operation, as required by the project specification, drawings, prevailing codes and owner's requirements. C) Coordinate with all other trades for the proper coordination and interfacing with their work, systems & control(s). D) Submit complete product data including all devices, wiring and related items. All wiring & connection shall be labeled and identified. Submit plans and related data to other related trades and vendors for proper coordination. Submit the name and phone number of the manufacturer, vendor, or the individual who prepared the drawings & NECIT certification. Submit complete product data on each component.
2.	MANUFACTURERS: A) All components shall be of the same manufacturer to provide unit responsibility and uniformity of operation & performance. The vendor shall be a factory authorized agent of the manufacturer, and shall provide evidence there to. B) Provide a 1-year, on-site, parts & labor warranty for the complete system. C) Acceptable manufacturer(s) are: Blonder Tongue Laboratories Inc. D) Other manufacturer by 15-day prior approval with complete submittal only.
3.	CODES & STANDARDS: A) The system design, equipment & material, function & operation shall comply with - National Fire Protection Association Standards; National Electrical Code; Underwriters Laboratory Labeled; Standards; Local Codes & Authority Having Jurisdiction
4.	COAX CABLE: A) Provide conduit raceway for all cabling. All bends shall be long radius bends (10 times diameter). B) Drop Cable - RG-6, low loss.
5.	WALL TAPS: A) Provide wall-mounted backbox for each tap. B) Provide matching coverplate for each tap, labeled on backside with room #. C) Single Tap(s) - "G / F" style connector, single tap wall plate on metal mounting strap, 75 Ohm impedance, 4dB RF isolation, BT Versatap TP-GF-FT Series D) Feed Thru Tap(s) - "G / F" style connector, feed-thru type tap wall plate on metal mounting strap, 75 Ohm impedance, 4dB RF isolation, BT Versatap 5669 Series
6.	SYSTEM INSTALLATION: A) All wiring shall be installed in conduit or UL Listed system cable. B) All boxes, mountings & supports shall be labeled and approved for the purpose. C) All cabling shall meet NEC 820 & NFPA requirements. D) All devices shall be mounted and installed in accordance with the applicable codes & ADA. E) Color code, number & label all wiring & conductors per point-to-point wiring diagram.
7.	SYSTEM TEST & VERIFICATION: A) The manufacturer's factory authorized & trained representative shall provide installation support. B) The system shall be fully tested in the presence of the owner's representative(s).
END OF TV COAX DISTRIBUTION SPECIFICATIONS	

DOOR ENTRY SYSTEM	
APARTMENT	
DOOR MONITORING & ACCESS RACEWAY SYSTEM	
1.	GENERAL ITEMS: A) This Scope-Of-Work consist of providing raceways for use by the owners security system vendor / installer for the monitoring & securing of building entry & other doors. B) Provide for conduits / raceways & backboxes, with pull strings, for use by others. C) Coordinate with all other trades for the proper coordination and interfacing with their work, systems & control(s). Specifically the door hardware & security vendor / installer.
2.	SYSTEM INSTALLATION: A) All wiring shall be installed in conduit. B) All boxes, mountings & supports shall be labeled and approved for the purpose. C) All cabling shall meet NEC 820 & NFPA requirements. D) Label all boxes & raceways to match reference drawings, and any security drawings.
END OF DOOR MONITORING & ACCESS RACEWAY SYSTEM	

SECURITY ALARM SYSTEM	
SYMBOL	MTG. HTG
AS	48" AFF ACCESS STATION- FLUSH MOUNTED BACKBOX 4" SO. BOX W/ 1-GANG COVER, FLUSH MTD. 3/4" C UP TO JBOX OR SECURITY PNL AS REQUIRED
DC	NA DOOR MONITORING CONTACTS- VERIFY MTD TOP OF DOOR FRAME 3/4" C FROM DOOR FRAME TO JBOX OR SECURITY PNL. FLEX IN WALL TO DOOR FRAME. LEAVE PULL STRING
DB	48" AFF DOOR RELEASE BUTTON 4" SO. JBOX W/ 1-GANG COVER, FLUSH MOUNTED 3/4" C UP TO JBOX OR SECURITY PNL AS REQUIRED
DR	NA DOOR RELEASE DEVICE- VERIFY REQUIREMENTS 3/4" C FROM DOOR FRAME TO JBOX OR SECURITY PNL. FLEX IN WALL TO DOOR FRAME. LEAVE PULL STRING
DD	18" AFF OVERHEAD DOOR ALARM CONTACTS 4" SO. AT BASE OF DOOR. & 3/4" C TO SECURITY PANEL LEAVE PULL STRING
PB	48" AFF PANIC ALARM BUTTON- VERIFY REQUIREMENTS 4" SO. JBOX W/ 1-GANG COVER, FLUSH MOUNTED 3/4" C UP TO JBOX OR SECURITY PNL AS REQUIRED
DH	PER SPEC DOOR HOLD OPEN / RELEASE DEVICE 4" SO. JBOX ABOVE CLG. & 3/4" C TO SECURITY PANEL FLEX IN WALL TO DOOR FRAME. LEAVE PULL STRING
CV	PER SPEC CLOSED CIRCUIT SECURITY CAMERA 4" SO. JBOX ABOVE CLG. & 3/4" C TO SECURITY PANEL FLEX IN WALL TO CAMERA POSITION, LEAVE PULL STRING
NOTES ALL CABLE TRAY, CONDUIT, BOXES, PULL STRINGS BY E.C. ALL HARDWARE, CABLING, COVERS & INSALLATION BY OWNERS VENDOR.	

ARCHITECT'S STAMP
STATE OF GEORGIA
OSWALD SMITH
7575
REGISTERED ARCHITECT
SIGNATURE REQUIRED
SMITH DESIGN GROUP, INC.
20 WEST HUNTERSON STREET
LAGRANGE, GEORGIA 30240
706-882-5511 www.SDGarch.net

REVISIONS	
DATE	DESCRIPTION

PROJECT:
VERNON ROAD FIRE STATION
VERNON ROAD
LAGRANGE GEORGIA

TITLE:
SYSTEM RISER DISTRIBUTION

MODIFIED DATE:	JOB NO: 1731
ISSUED DATE: FOR BID AND PERMIT 07 MAY 2018	SHEET: E-2

Order Plans