

SMITH DESIGN GROUP, INC.

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**Medical Suite 300
Build-Out for
Lee's Crossing Medical Mall
LaGrange, Georgia
Architect's Project No. 0912
July 27, 2009**

ADDENDUM NUMBER Two

The Bidding Documents are modified as follows:

PART 1.00 DRAWINGS

1.01. Sheet A8-3

A. Detail 1/*8-3, Writing Ledge, at 42" A.F.F. to be plastic laminate.

1.02. Electrical Sheets

A. See attached 8½" x 11" pages, Add 2-1A thru Add 2-9A, which contain electrical clarifications.

PART 2.00 - PROJECT MANUAL

NO ITEMS INCLUDED

PART 3.00 ADDENDA

NO ITEMS INCLUDED

PART 4.00 APPROVED MANUFACTURERS

NO ITEMS INCLUDED

PART 5.00 ATTACHMENT

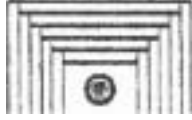
5.01 Pages Add 2-1A thru Add 2-9A, 8½" x 11" dated 7/27/09.

PART 6.00 GENERAL CLARIFICATIONS

NO ITEMS INCLUDED

AD2-1*

END OF ADDENDUM NUMBER TWO



THE MADDOX GROUP PROJECT MEMO

TO: **Skip Smith @ Smith Design Group Inc.**

CC:

REFER: **West Ga. Medical Mall Suite 300 @ LaGrange, GA.
Addenda Items**

MG#: 09-117

File: 9117_Addneda

FROM: **Robert M. Maddox**

Dated: **07/23/09**

1. Skip – The following are the addenda items of which we are presently aware.
2. Electrical Items:
 - a) Fused Switch may be deleted since there will be a breaker in the distribution board.
 - b) Panel location. the panels are shown on the suite, just outside the janitor's closet at the lower side of the drawing.
3. MC Cable Use:
 - a) Refer to E-01 Criteria Item #3 regarding wiring criteria.
 - b) Also note, per symbols & symbol legend that some circuits are Health Care circuits requiring "Medical Grade" devices & wiring.
4. Security System Update:
 - a) Refer to attached updated criteria.
 - b) Security disable / enable keypad is to be located adjacent to the Security Panel.
5. Voice / Data / Broadband Cabling:
 - a) Clarification – A complete system of back-boxes, conduit stub-ups, jacks, coverplates, V/D/B cabinet and all cabling & termination punch-downs is required.
 - b) The data system devices & cabling shall be Cat 6e.
 - c) See attached V/D cabling criteria & TV Broadband criteria.
 - d) Extend two (2) 2 Inch EMT conduits from the V/D cabinet to the Mezz. V/D backboard for cabling use by the tenant. All bends shall be long radius bends.

End of Memo

07/01/09	Lees Crossing Suite 300		
07/17/09	SECURITY SYSTEM SPECIFICATIONS & CRITERIA		
	General Requirments & Coordination		
S-A1	Provide a complet & properly functioning Security System as described herein and by any associated drawing s and documents.		0
S-A2	Provisions shall includes as a minimum, all design, documentation, submittals, equipment and related products, all wiring, supports, installation, programming, start-ups, operator training & system certifications.		0
S-A3	Coordinate with the owner / tenant / operator regarding any monitoring service interfaces prior to the ordering of any materials.		0
S-A4	criteria and related documents are descriptive in nature, indicated layouts are diagrammatic only and it to be coordinated with the actual field conditons, ceiling heiglths, ductwork, piping & work of other trades & the specifics of the product used.		0
	Codes & Industry Standards		
S-B1	The system design, equipment, materials and installation shall comply with the following:		0
S-B2	NFPA, NEC, Local Codes & Authority Having Jurisdiction		0
S-B3	Products shall be UL or ETL Listed & Labeled		0
S-B3	ANSI / TIA / EIA Standards & related FCC & BICSI Standards		0
S-B5	The installer shall be a BICSI Registered Installer & shall submit a copy of the registration.		0
	System Design, Documentation & Submittals		
S-C1	Design & Documentation- This contractor is responsible for preparing a complete & detailed system design showing a to-scale layout of all components, cabling & related work. Completely labeled, with a complete Bill-Of-Materials. The document shall bear the Company Name, Address & Phones #, and the preparers name, contact information.		
S-C2	Submittal - Submit the Design & Documentation, along with complete & labeled cut-sheets on all components for review & coordination use by the owner, contractors and others. Make any necessary adjustments as may be required		0
S-C3	Trade Coordination- Coordinate with any & all other trades that may be affected by the Security System, including but not limited to, Door Provider, Fire- Alarm, Electrical and any other trades.		
S-C4	Record Field Documents (RFD)- Maintain an up-to-date set of RFD indicating any field adjustments, changes and / or corrections. At the project completion update all document and provide hard copies and PDF files to the Owner, Architect, Engineer & General Contractor.		0
	General Products & Material Requirments		
S-D1	All materials shall be new, currently manufactured.		0
S-D2	The complete system shall be provided by a single company to provide unit responsibility for the entire system.		0
S-D4	All material shall be of matching type, class, size, material & rating.		0
S-D5	Fire / smoke seal each penetration of each rated barrier (wall, floor, etc.) to match the barrier rating.		0

ADO2-2A
7/29/09

07/01/09	Lees Crossing Suite 300		
07/17/09	SECURITY SYSTEM SPECIFICATIONS & CRITERIA		
	General Requirements & Coordination		
S-A1	Provide a complete & properly functioning Security System as described herein and by any associated drawings and documents.		0
S-A2	Provisions shall include as a minimum, all design, documentation, submittals, equipment and related products, all wiring, supports, installation, programming, start-ups, operator training & system certifications.		0
S-A3	Coordinate with the owner / tenant / operator regarding any monitoring service interfaces prior to the ordering of any materials.		0
S-A4	This criteria and related documents are descriptive in nature, indicated layouts are diagrammatic only and it to be coordinated with the actual field conditions, ceiling heights, ductwork, piping & work of other trades & the specifics of the product used.		0
	Codes & Industry Standards		
S-B1	The system design, equipment, materials and installation shall comply with the following:		0
S-B2	NFPA, NEC, Local Codes & Authority Having Jurisdiction		0
S-B3	Products shall be UL or ETL Listed & Labeled		0
S-B3	ANSI / TIA / EIA Standards & related FCC & BICSI Standards		0
S-B5	The installer shall be a BICSI Registered Installer & shall submit a copy of the registration.		0
	System Design, Documentation & Submittals		
S-C1	Design & Documentation- This contractor is responsible for preparing a complete & detailed system design showing a to-scale layout of all components, cabling & related work. Completely labeled, with a complete Bill-Of-Materials. The document shall bear the Company Name, Address & Phones #, and the preparers name, contact information.		0
S-C2	Submittal - Submit the Design & Documentation, along with complete & labeled cut-sheets on all components for review & coordination use by the owner, contractors and others. Make any necessary adjustments as may be required		0
S-C3	Trade Coordination- Coordinate with any & all other trades that may be affected by the Security System, including but not limited to, Door Provider, Fire- Alarm, Electrical and any other trades.		
S-C4	Record Field Documents (RFD)- Maintain an up-to-date set of RFD indicating any field adjustments, changes and / or corrections. At the project completion update all document and provide hard copies and PDF files to the Owner, Architect, Engineer & General Contractor.		0
	General Products & Material Requirements		
S-D1	All materials shall be new, currently manufactured.		0
S-D2	The complete system shall be provided by a single company to provide unit responsibility for the entire system.		
S-D4	All material shall be of matching type, class, size, material & rating.		0
S-D5	Fire / smoke seal each penetration of each rated barrier (wall, floor, etc.) to match the barrier rating.		0

ADO2-2A
7/29/09

S-D5	This contractor is responsible for providing any and all necessary cable & equipment support and protection systems that may be shown or otherwise required. Should another contractor be providing any or all raceways and support system for this contractors use, this contractor is responsible for coordinating & working with the other contractor(s).	0
System Provider		
S-E1	This criteria is based on the products of Columbus Fire & Safety (706-323-8010)	0
S-E2	The System Provider shall be an authorized & trained agent of the Manufacturer's product they supply.	0
S-E3	The System Provider shall provide all material, products, cabling and related, as well as all design, documentation & field installation support services, start-up, training and warranty.	
S-E4	The installer & manufacturer shall provide a complete Five (5) year warranty on the system's labor, materials & performance.	
S-E5	System & Product by others providing the same characteristics, performance & ratings may be submitted at Bid Date & Time, including a complete material submittal, as Add / Deduct to the Base Manufacturer for consideration by the owner.	
System Control & Monitoring Alarm Panel		
S-F1	Provide a central monitoring panel providing master control of all related components. NAPCO GEMINI 801 SEIRES	0
S-F2	The panel shall be flush or surface mounted as prescribed, with hinged & locking front cover.	0
S-F3	The panel shall, with all related components shall be U.L. labeled and installed the U.L. listing.	
S-F4	Provide a 120V to D.C. Low-Voltage power source, rated at least for 125% of the total load.	
S-F5	Provide battery back-up, with automatic charger. Battery shall be capable of operating the entire system for a minimum of 24 hours.	
S-F6	Provide a dialer, that upon alarm, will automatically deliver a pre-recorded message to up to five phone numbers.	
S-F7	The panel shall monitor all wiring and devices for continuity and proper operation. Any derangement of the wiring or devices shall initiate a audible & visual trouble signal at the panel.	
S-F8	The panel shall be equipped with a Test feature that upon activation initiate a full system test.	0
S-F9	The system shall Two Line Numeric Display Backlit Keypad. NAPCO GEMINI GEM-RP8LCD	
S-F9	The system shall produce an audible and visual alarm signals when system detects and alarm condition. The system shall be provided with a feature to allow the devices to be silenced without resetting the alarm condition. This feature shall also power remote audible and visual alarm devices.	
System Devices		
S-G1	(AS) Access Station- Provide outdoor, wet-location, vandal resistant, combination key-pad / proximity reader for entering access codes. PROX-PAD PLUS	0
S-G2	(DC) Door Contacts - Door contacts shall monitor a door's position and report when a door is opened. Contacts shall be a door frame flush mounted device with wiring concealed in the door frame. Coordinate with the door provider for proper interface.	0

S-G3	(OD) Over Head Door Contacts - Door contacts shall monitor a door's position and report when a door is opened. Contacts shall be weather-proof, heavy duty type, floor mounted, with flexible metal wiring cable. Coordinate with the door provider for proper interface.	0
S-G4	(MD) Motion Detector - Provide ceiling / wall mounted type motion detectors with indicator showing when devices are active. Passive infrared & microwave sensing, pet/ draft/ insect immunity, temperature compensated. DETECTION SYSTEMS DS8201 / DS8351	0
S-G5	(SD) Signal Device - Provide matching remote audible & visual signaling device(s) for alarm condition signal distribution. Dual Tone, 30 Watt Siren ATW SECURITY DS-508	
Other Non-System Devices		
S-H1	(DR) Door Release Button(Push-To-Exit) - Provide matching Push-To-Oper., flush wall mounted push-button station(s) to release door latches. Verify compatible electrical ratings & characteristics with door latches. ALARMS CONTROLS CORP. MODEL TW-2	0
S-H2	(DL) Door Latch - Provide electrically operated door latch(es) to secure door from unauthorized entry. Latch shall be connected to Door Release Push-Buttons. Interface with Fire-Alarm system to release doors upon activation of the Fire Alarm system.	0
S-H3	(DH) Door Holder / Mag Lock - Provide magnetic type door holder to secure door from unauthorized entry. 600 Lb. holding force, dual voltage. MAGNACARE M32 Series complete with all related mounting hardware. Connect to related Door Release Push-Button station(s). Interface with Fire-Alarm system to release door(s) upon activation of the Fire Alarm system.	0
System Installation, Testing & Certification		
S-I01	The manufacturer's authorized & trained agent shall include & provide field support.	0
S-I02	Provide complete & proper cable & equipment support system(s) including fire & smoke stops.	0
S-I03	Provide proper bonding & grounding of all cabling, components, wiring & related items.	0
S-I04	Tag & label all cabling, connections, termination and related items.	0
S-I05	Cables shall be installed in continuous lengths from origin to destination (no splices or taps).	0
S-I06	The manufacturer's authorized & trained agent shall verify the proper installation of their products.	0
S-I07	Test all cables and termination hardware for proper performance.	0
S-I08	Any defects shall be corrected and re-tested.	0
S-I09	Document the complete system operation. Provide all system programming, including owners/ tenant preferences, pass words, access codes and operation schedules.	0
S-I10	Provide complete training of the Owner's / Tenant designated operations personnel. Provide phone & on line follow-up support for up to one year from system completion.	
S-I11	Provide a complete & bound set of installed documentation including, but not limited to, record field drawings, submittal data, copies of permits, sign-offs, test results and any related operating & maintenance instructions.	0
Maddox Group Inc. - July 2009-B3		
END OF VOICE / DATA CABLING SYSTEM SPECS & CRITERIA		

ADD 2-4A
7/29/09

Suite 300 Med. Mall		REV
#	VOICE/ DATA (V/D) CABLING SYSTEM SPECIFICATIONS & CRITERIA	
General Requirments & Coordination		
VD-A1	Provide a complet & properly functioning Voice/ Data (V/D) cabling system, including but not limited to, device jacks & coverplates, cabling system(s), and cross-connect panels..	0
VD-A1	Utility cabling, connections, modems and related hardware, software & programing are the responsiblity of others.	0
	Utility Coordination - Prior to any rough-in, coordinate the service tie-in location and paramters, in writing, with the utility(s). Copy owner with all coordination information.	0
VD-A2	Coordination - The indicated layout is diagrammatic only and it to be coordinated with the actual field conditons, ceiling heights, ductwork, piping & work of other trades & the specifics of the product used.	0
Codes & Industry Standards		
VD-B1	The system design, equipment, materials and installation shall comply with the following:	0
VD-B2	NFPA, NEC, Local Codes & Authority Having Jurisdiction	0
VD-B3	Products shall be UL or ETL Listed & Labeled	0
VD-B4	ANSI / TIA / EIA Standards & related FCC & BISCO Standards	0
VD-B5	The installer shall be a BICSI Registered Installer & shall submit a copy of the registration.	
System Design, Documentation & Submittals		
VD-C1	Design & Documentation- This contractor is responsible for preparing a complete & detailed system design showing a lo-scale layout of all components, cabling & related work. Completely labeled, with a complete Bill-Of-Materials. This shall be prepared by a BICSI Registered Communication Distribution Designer (RCDD). The document shall bear the name, contact information and RCDD documentation information	0
VD-C2	Submittal - Submit the Design & Documentation, along with complete & labeled cut-sheets on all components for review & coordination use by the owner, contractors and others. Make any necessary adjustments as may be required	0
VD-C3	Record Field Documents (RFD)- Maintain an up-to-date set of RFD indicating any field adjustments, changes and / or corrections. At the project completion update all document and provide hard copies and PDF files to the Owner, Architect, Engineer & General Contractor.	0
General Products & Material Requirments		
VD-D1	All materials shall be new, currently manufactured.	0
VD-D2	The complete system shall be provided by a single manufacturer to provide unit responsibility	0
VD-D3	Mixing & matching of components from multiple manufacturers is not allowed.	0
VD-D4	All material shall be of matching type, class, size, material & rating.	0
VD-D5	Fire / smoke seal each penetration of each rated barrier (wall, floor, etc.) to match the barrier rating.	0
		0

Raceways & Support Systems		0
VD-E1	This contractor is responsible for providing any and all necessary cable & equipment support and protection systems that may be shown or otherwise required. Should another contractor be providing any or all raceways and support system for this contractors use, this contractor is responsible for coordinating & working with the other contractor(s).	0
System Manufacturer		0
VD-F1	This criteria is based on the products of Hubbell Premis Wiring System (Base Manufacturer).	0
VD-F2	The manufacturer's authorized & trained agent shall include & provide design, documentation & field installation support services.	0
VD-F3	The installer & manufacturer shall provide a complete twenty-five (25) year warranty on the system's labor, materials & performance.	0
VD-F4	Product of other manufactures providing the same characteristics, performance & ratings may be submitted at Bid Date & Time, including a complete material submittal, as Add / Deduct to the Base Manufacturer for consideration by the owner.	0
System Performance		0
VD-G1	Provide a Category 6 grade system per ANSI/ TIA/ EIA	0
VD-G2	The total installed system shall perform at this level.	0
VD-G3	Cable Terminations (voice & data) shall be TIA T568B configurations	0
Workstation Wall Jacks		0
VD-H1	Provide Workstation Jacks at the location as indicated or otherwise prescribed.	0
VD-H2	Workstation jacks shall be installed in a backbox, typically flush mounted unless specifically noted	0
VD-H3	Workstation jacks shall include a mounting plate with a Voice Jack and Data Jack & matching addressable coverplate. Verify device & coverplate color in writing with owner / tenant.	0
VD-H4	Verify device & coverplate color in writing with owner / tenant. White coverplates with Yellow Voice jacks and Blue data jacks is the default color choice.	0
VD-H5	Voice jacks shall be at the top / left most position and Data jacks at the bottom / right most position	0
VD-H6	Each jack shall be labeled with it's corresponding cabling address. Mark record field drawings to match.	0
Horizontal Workstation Cabling		0
VD-I1	All cabling shall be of matching grade & performance, environmental-air plenum rated 4-Pair UTP 24 WG, CMP.	0
VD-I2	All cabling shall be properly installed & supported via raceways, trays, J-Hooks or other manufacturer approved system(s). Tag & label all cabling per industry standards.	0
VD-I3	Terminate at each cable at the workstation jacks and patch-panel / cross-connect panels.	0
VD-I4	All cabling outer jacket shall match the color of the respective voice or data jack color. All wiring color-coding shall be industry standard.	0

Cross-Connects & Patch Panels		
VD-J1	Provide Cross-Connects & Patch Panels as shown and otherwise prescribed at various closets and distribution locations	0
VD-J2	Cross-Connects & Patch Panels shall have capacity for the total quantity of cables as shown or prescribed plus and additional 20% capacity for future use.	0
VD-J3	Cross- Connects shall be of matching system grade & performance. Mount on wall mounted plywood backboards. Completely labeled to match the record Field Drawings.	0
VD-J4	Patch-Panels shall be of matching system grade & performance. Provide wall and / or free-standing racks and enclosures. Completely labeled to match the record Field Drawings.	0
VD-J5	Provide Cross-Connects Interconnect cables as needed plus and additional 20% spare.	0
System Installation, Testing & Certification		
VD-K1	The manufacturer's authorized & trained agent shall include & provide field support.	0
VD-K2	Provide complete & proper cable & equipment support sytem(s) including fire & smoke stops.	0
VD-K3	Provide proper bonding & grounding of all cabling, components, wiring & related items.	0
VD-K4	Tag & label all cabling, connections, termination and relate items.	0
VD-K5	Cables shall be installed in continuous lengths fro origin to destination (no splices or laps).	0
VD-K6	The manufacturer's authorized & trained agent shall verify the proper installation of their products.	0
VD-K7	Test all cables and termination hardware for proper performance per ANSI/ TIS/ EIA standards.	0
VD-K8	Any defects shall be corrected and re-tested.	0
VD-K9	Document the passed test results for each cable. The contractor shall submit the test results along with a letter on company letter head certifying the system is completely installed, functional and has passed all testing. Copy documentation to Onwer, Architect, Engineer & General Contractor.	0
VD-K9	Provide a complete & bound set of installed documentation including, but not limited to, record field drawings, submittal data, copies of permits, sign-offs, test results and any related operating & mainteance instructions.	0
Maddox Group Inc. - July 2009+B3		
END OF VOICE / DATA CABLING SYSTEM SPECS & CRITERIA		

Suite 300 Med. Mail		REV
#	TV BROADBAND SYSTEM CRITERIA	
1	GENERAL ITEMS, SUBMITTALS & DOCUMENTATION	
1A	This Scope-Of-Work consist of providing a Coaxial Distribution System for the distribution of SUB / VHF / CATV / UHF band signals, and HDTV compatible. This work shall include, but not be limited to, the related raceway system, wall boxes, coax cables, taps & jacks with coverplates, labeling & tagging, and related components.	
1B	The Head-End equipment will be provided & installed by the owner & is not a part of this contract. Field coordinate, verify & document existing system conditions & performance before starting design.	
1C	The End User Equipment (TV Sets / Screens, Cameras, Etc) will be provided & installed by the owner & is not a part of this contract.	
1D	Coordinate with all other trades for the proper coordination and interfacing with their work, systems & control(s).	0
2	System Design, Documentation & Submittals	
2A	The contractor shall utilize the design service of the factory authorized system vendor to obtain the proper system componets, layout(s), cabling, function, interoperability with systems of other trades, wiring & operation, as required by this specification, drawings, prevailing codes and owner's requirements	0
2B	Design & Documentation- This contractor is responsible for having preparing a complete & detailed system design showing a to-scale layout of all components, cabling & related work. Completely labeled, with a complete Bill-Of-Materials. This shall be prepared by a BICSI Registered Communication Distribution Designer (RCDD). The document shall bear the name, contact information and RCDD documentation information	0
2C	Submittal - Submit the Design & Documentation, along with complete & labeled cut-sheets on all components for review & coordination use by the owner, contractors and others. Make any necessary adjustments as may be required	0
2D	Record Field Documents (RFD)- Maintain an up-to-date set of RFD indicating any field adjustments, changes and / or corrections. At the project completion update all document and provide hard copies and PDF files to the Owner, Architect, Engineer & General Contractor.	0
3	MANUFACTURERS:	
3A	The complete TV Broadband 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 thereto. The vendor/installer shall be a certified NECIT installer, and shall provide evidence thereto.	0
3B	Provide a full one-year, on-site, parts & labor warranty for the complete system.	0
3C	Provide, for the owner's optional acceptance, a yearly service / maintenance contract.	0
3D	Basis-Of-Design Manufacturer is Blonder Tongue Laboratories Inc. @ 1-800-523-6049	0
2E	Product of other manufactures providing the same characteristics, performance & ratings may be submitted at Bid Date & Time, including a complete material submittal, as Add / Deduct to the Base Manufacturer for consideration by the owner.	0
2F	The manufacturer's authorized & trained agent shall include & provide design, documentation & field installation support services.	0
4	CODES & STANDARDS:	
4A	The system design, equipment & material, function & operation shall comply with - National Fire Protection Association Standards; National Electrical Code; Underwriters Laboratory Labeled; A.D.A. Standards; Local Codes & Authority Having Jurisdiction	0
4B	National Electrical Code (NEC), & Specifically Articles 250, 810, 820.	0
4C	Comply with all F.C.C. / EIA / TIA standard, regulations & requirments	0
4D	Design shall be by a BICSI Registered Communications Distribution Designer (RCDD)	0

5	SYSTEM DESCRIPTION, FEATURES & PERFORMANCE	0
5A	Provide a complete broadband coax cable distribution system, meeting or exceeding the minimum performance standards.	0
	Refer to the documents for outlet locations, equipment locations, etc.	0
5B	Min. signal level of +10dB/ mV, +5 dBmV across 75 Ohms (each TV channel).	0
5C	Min. Isolation (outlet-to-outlet) of 24dB.	0
	Min Cross Modulation of -46dB; Min Hum Modulation of -55dB; Min. Return Loss of -14 dB.	0
5D	Impedance - 75 Ohms	0
6	COMPONENT, CABLING, ETC.	
6A	Provide all componets, cabling, etc. to distribute the Head-End Signals to the outlets at the proper signal level. The required components & cabling are not limited only to the following items, but describe the minimum quality & grade of components given.	0
	SPLITTERS / TAPOFFS	0
6B	Splitters shall be Blonder Tongue XRS Series, shielded, in-line style, professional grade.	0
6C	Tapoffs shall be Blonder Tongue CRT Series, shielded, high- isolation, configuration as required	0
	COAX CABLE	0
6D	Distribution Cable: RG-6, low loss, plenum rated	0
	WALL TAPS	0
6E	Wall-mounted backbox tap, with matching coverplate, backside labeled with room #.	0
6F	Single Tap(s)- "G / F" style connector, single tap wall plate on metal mounting strap, 75 Ohm impedance, 4dB RF isolation, BT Versatap TF-GF-FT Series	0
6G	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 3889 Series	0
7	SYSTEM INSTALLATION:	
7A	All wiring shall be installed in conduit or compatible UL listed cable support system. All bends shall be long-radius bends (10X Dia.).	0
	Any exposed cabling in finished areas (i.e. no ceilings) shall be in EMT conduit (minimum) with matching boxes, etc. All exposed conduits shall be painted red unless otherwise directed by architect.	0
7B		0
7C	All boxes, mountings & supports shall be labeled and approved for the purpose.	0
7D	All cabling shall meet NEC, NFPA, FCC, requirements & BICSI guidelines.	0
7E	All devices shall be mounted and installed in accordance with the applicable codes & ADA.	0
7F	Color code, number & label all wiring & conductors per point-to-point wiring diagram.	0
7G	Grounding - Provide grounding back the the main electrical service ground per manufacturer.	0
8	SYSTEM TEST, VERIFICATION, DOCUMENTATION & SERVICE:	
8A	The manufacturer's factory authorized & trained representative shall provide installation guidance and assistance, and system start-up.	0
	The manufacturer's factory authorized & trained representative shall provide a total system checkout (of every device) and testing, and shall send written certification of the system(s) proper operation to the owner, architect & engineer.	0
8B		0
8C	The system shall be fully tested in the presence of the owner's selected representative(s).	0
	Prerare & provide 3 copies of bound manuals with operations, part & service & "as-built" plans & cabling. Complete with the Company Names, Personell Names with phone numbers & email address of all trades & parties involved.	0
8D		0
8E	Submit a yearly service agreement for owner's review, acceptance is optional. Copy Archt & Engr.	0
8F	Provide owner with up to one full day of on-site operation & maintenance training.	0
	Provide on-site, follow- up with the owner at 30 days and 90 days after acceptance. Provide for any necessary adjustments and corrections. Forward copy of documentation to owner, architect & engineer.	0
8H		0
Maddox Group Inc. - July 2009		
END OF TV BROADBAND SYSTEM CRITERIA		