Georgia Institute of Technology

FACILITIES PURCHASE ORDER / BID REQUEST FORM

DATE:*

9-9-2016

REQUESTOR:*

Spencer Sheffield

APPROVAL SIGNATURES:*

NAME:	DATE:	SIGNATURE:
Kim Wilson		
Scott Jones		
David Goldfarb		
Chuck Rhodes		

PEOPLESOFT PROJECT#: (ACCOUNTING DEPT. ONLY)

53612572

DESCRIPTION:*

Provide and Install A/V equipment to upgrade the North Ave North Gym to a Conference Services Space.

PURCHASE ORDER REQUEST ONLY

Supporting documentation must be submitted with this form (i.e. quote, invoice, etc)

TOTAL COST:* *(A cost of **$5,000 or more** requires an approval signature from Chuck Rhode & David Goldfarb)*

$ 273,116.77

VENDOR / CONTRACTOR NAME:*

Summit Systems, Inc.

VENDOR / CONTRACTOR PHONE NUMBER:*

678-730-2643

AIM WORK ORDER NUMBER:*

0313-2016

AIM PROJECT NUMBER (IF APPLICABLE):

DOES THIS REQUEST FALL UNDER A CURRENT MAINTENANCE CONTRACT?*

- [X] Yes
- [ ] No

BID REQUEST ONLY

Specifications must be submitted with this form & emailed to Brenda Cochran as a MS Word document

ESTIMATED COST OF CONTRACT / ITEM:*

$ 273,116.77

Maintenance Contract Only: IS THIS REQUEST FOR A *NEW CONTRACT* OR *RE-BID OF EXISTING GT CONTRACT*?*

- [ ] New GT Maintenance Contract
- [ ] Re-Bid of an Existing GT Maintenance Contract

ADDITIONAL NOTES / COMMENTS:

I have attached the construction documents and an email containing SSI's state contract number.

If you have any questions, please contact Brenda Cochran at 404-894-7405 or brenda.cochran@facilities.gatech.edu

Sheffield, Spencer J

From: Huntley, William T
Sent: Tuesday, August 30, 2016 5:08 PM
To: Ceci, Jassen A; Sheffield, Spencer J
Subject: Re: Statewide contract information for Summit

Importance: High

Good Afternoon Spencer:
Jassen, wanted me to point you in the direction to confirm Summit Systems Inc, being a Ga Statewide Contract Vendor. To confirm this please follow the below:

1. Please go to http://doas.ga.gov/
2. Hoover over State Purchasing and select Statewide Contracts
3. Scroll down to Area of Focus, select Statewide Contract Index.
4. Sign-in with User Name: tgmguest.....password: tgmguest
5. Page: Search Contracts - Advanced.....Go to Supplier tab and enter Summit Systems .....Click search.

Summit Systems Inc. - State wide Contract # will pull up being:
99999-SPD-SPD0000048-0010
Certified Audio Visual Product and Select Services
Supplier: Summit Systems, Inc
Contract Type: Mandatory Statewide Contract

Start Date:6/6/2012
End Date:6/30/2017
Active for Shopping:
Yes

Hope this answers any questions you may have. If not please email me on what I can further answer.

Sincerely,
"Start a Conversation; Possibilities are Endless"

Will Huntley
GATECH / OIT /AV Services:
Design / Project Management
Cell: 678-992-9234

From: Ceci, Jassen A
Sent: Tuesday, August 30, 2016 4:04 PM
To: Huntley, William T
Subject: Statewide contract information for Summit

Bill,

I would appreciate it if you could provide the statewide contract information for Summit Systems to Spencer.

spencer.sheffield@aux.gatech.edu

Thank you for your support.

Respectfully,
Jassen Ceci
A/V-IT Support Professional Manager Senior
Georgia Institute of Technology
Office of Information Technology - AV Services
Atlanta, GA 30332-0715
Email: jassen.ceci@oit.gatech.edu
Phone: (404) 580-6441

9/9/2016

PROPOSAL

SUMMIT SYSTEMS INC

SUMMIT SYSTEMS

Georgia Institute of Technology

16-3099 North Avenue Gym REV2

Summit Systems is a premier integration company that specializes in engineered technology solutions for Audio Visual, Structured Cabling, Security, Electrical, Life Safety, and IT Solutions and Services

Prepared by:

Mark Bradford, CTS-D
Sr. Account Executive
Summit Systems, Inc.
770-846-7325
mbradford@sumsys.com

PROPOSAL

SUMMIT SYSTEMS COMPANY PROFILE

About Us

Since 1998, Summit Systems (SSi) has been designing, project managing, and integrating communications technologies. SSi began as a specialty cabling integrator with a core focus on network cabling. From our modest beginnings, SSi has evolved into a key communications systems integrator. Today SSi brings the specialty trades of Audio Visual, Lighting & Controls, Electrical, Low Voltage Cabling, Access Control, Fire and Life Safety, and IT Solutions under the umbrella of one company. This unified approach allows us to bring a better value proposition to our clients by providing multiple specialized disciplines and the opportunity to directly consolidate critical Project Management functions for any project. To support our strategy further, SSi does not subcontract our projects out. SSi has one of the largest and most qualified field staffs in our industry. Headquartered in Buford, Georgia and having two other satellite locations in the United States and one in Canada, Summit Systems is well positioned to service the needs of our customers. regardless of their location.

Audio Visual Systems Group

Summit Systems began our Audio Visual Systems Group in 2007. Since its creation, Audio Visual has become one of Summit's core offerings, serving multiple market segments. SSI has two distinct focuses for Audio Visual, PRO-AV and K12 Education. Our PRO-AV team is focused on bringing custom design build services to our Education, Commercial, and State and Local Government clients. This team focuses on presentation, communications, collaboration, and similar technologies. Each system is designed for our clients specific purposes and tailored to their needs and facility. This individualized approach allows us to leverage all the various technologies available, to best service our clients demanding needs. Our K12 Education team is focused purely on bringing critical technologies to K12 classrooms. We specialize in large scale technology deployments. With our proven approach, our production process automates and simplifies the required workflow to optimize productivity for our clients. This means providing solutions at a lower cost to our clients by providing an efficient delivery mechanism. This processes allow us to roll out technology at a pace that is easy for our clients to manage and be trained on, while still hitting critical time frames for these projects. Both teams approach this market with a strong focus on quality of solution, deployment, and overall customer experience. Summit Systems is a Diamond Level INFOCOMM partner.

Infrastructure Systems Group

Summit Systems was founded as a Structured Cabling firm and this continues as a core offering today. As this group has continued to grow and evolve, so have our service offerings. In addition to Structured Cabling services, today this group offers Electrical and Lighting, Security and Access Control, and CCTV. Our Infrastructure Systems Group (ISG) has identified these distinct disciplines and have built a technical offering around each of these specialties. With dedicated design, project management, deployment, and service teams to support these offerings, our ISG team is well rounded to provide support to both end user customers as well as our General and Electrical Contractor partners. Our ISG team is well experienced in working in sensitive environments, such as data centers, as well as working under critical cutover deadlines. Our teams understand the term "Mission Critical" and are prepared to do what is necessary to accomplish the goals. Summit Systems is a BICSI member and has five RCDD's on staff as well as numerous Master Electricians.

IP Communications Group

At our core, Summit Systems is a communications company. We specialize in helping our clients create new ways to communicate faster and more efficiently through multiple mediums. With the convergence of all these critical technologies, SSi has a robust IP Communications group who focuses on these communications technologies to provide our clients with solutions for network switching, Voice over IP communications, as well as Wi-Fi infrastructures. This group not only supports our clients, but supports our other internal groups as well. This foundation of IP Communications further provides strength to our network based Audio Visual systems for Conferencing, Streaming, and Control systems. Our IP Communications team also directly supports our Access Control and Securities teams as well as our Fire & Life Safety teams. By the unification of all these offerings and supporting them with our IP Communications group we are unique in this market place, as we are the only integrator who has brought these disciplines under one roof successfully.

PROPOSAL

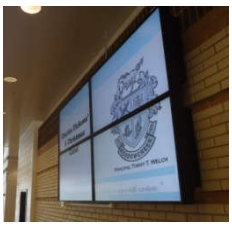
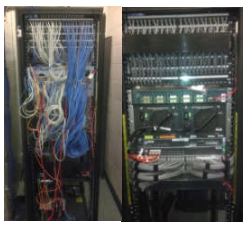
Customer Experience

SSi takes a unique approach to our business and our interactions with our clients. We are just as passionate about the quality of the services we deliver as we are about the manufacturer's equipment that we utilize in our designs. It's critical to our business and culture that each client has a great experience with Summit Systems. The customer experience begins from the initial meeting, through the consultation process, vendor selection, the project management process, on-site installation, final system commissioning, system training, invoicing, and warranty based service and preventative maintenance. The true mark of a successful business is one that is capable of delivering on a great experience time and time again. We sincerely hope that you'll allow us an opportunity to earn your business and become this partner for you. You always have a choice of who you want to do business with....our goal is that you select Summit Systems (over and over), as your integrator of choice.

Project Approach

We approach all of our projects with the same care and attention whether large or small. Depending upon the clients specific needs or size of the deployment we will often times tailor a custom process or workflow for them that helps meet the needs of their project. Our sales team will work in conjunction with our engineering team to perform a thorough needs analysis with you. During this time we'll determine needs of the system, requirements of the users, challenges with the facility, and other relevant data to create the solution. Our Engineering team will put together our design, bill of materials, and all the required information to create your custom proposal. Our sales team will work with you to refine the proposal until it meets your needs and budget. Once we've gotten your approval to proceed, your project will be transitioned to our operations team for that specific group and assigned a project manager. If there is more than one discipline involved with your project, we'll assign one project manager over the entire project. This will greatly simplify the path of communication on the project. We'll manage the various trades internally and coordinate all the required activities. The next critical phase of our process is the build out in our labs to get your system fully integrated, configured, and tested prior to installation at your facility. When this phase is completed and the Project Manager has signed off, our integration and operations team(s) will work through the onsite installation of your project. After the system is installed and configured we will perform a final test out of the system. After the final test out is completed a turnover walkthrough is scheduled with the client. During this time we'll discuss the specific functions of your system(s), the operation of them, any required services or maintenance that is required on the part of the client, and the processes for placing a warranty service call. Once the client has been handed over the system we'll perform the final invoicing of the system. Upon receipt of payment, SSi will turnover all AS-BUILT documentation, electronic literature, and uncompiled copies of all programs that were created for this project. Upon sign off of the project, the warranty period will begin. The warranty will vary by system type, client requirements, and manufacturers selected. As part of our proposal a maintenance agreement will be offered to keep your systems running at an optimum level. These are tailored to your needs with response times, preventative visits, varying levels of phone support, etc. By having this unified approach, all SSI clients will receive the best experience possible, tailored to their expectations, with a system that has been designed with their needs and requirements in mind.



September 9, 2016

Georgia Institute of Technology
Spencer Sheffield
132 North Avenue
Atlanta, GA 30313

SUMMIT SYSTEMS INC

RE: 16-3099 North Avenue Gym REV2

Dear Spencer,

We truly appreciate you considering Summit Systems as your Audio Visual Integrator of choice for this project. We value this opportunity that you have given us and have put together the following proposal based on the information you provided to us.

Scope of Work
SSI will install upgrades in the North Avenue Gymnasium. Details are as follows:

Display
- On the east wall, a 234" diagonal electric screen will be installed from the two trusses overhead. A 13000 lumen WUXGA Hitachi projector will be mounted on a projector lift to display images on this screen. Projector lift will be capable of reaching the floor for serviceability. Projector will have an approximate throw of 35'. Projector will be housed in a security cage to reduce risk of damage during sporting events.

- On the south side of the gymnasium, (x2) 198" electric screens will be mounted on the truss between the columns. (x2) 13000 lumen WUXGA Hitachi projectors will be mounted on the north side of the gym to display images on the screens. Projectors will have an approximate throw of 65'. Projector will be housed in a security cage to reduce risk of damage during sporting events.

Video System
- An Extron DTP Crosspoint 108 will be provided for matrix switching and scaling. This matrix switcher will allow any system source to be routed to any display. Selected sources will be transmitted to DTP receivers located at each projector.

- Adjacent to each screen, an input plate transmitter will be provided and consist of HDMI and VGA + audio. (PLEASE NOTE: Each wall plate transmitter must be treated as one source with respect to matrix switching. I.E. you cannot display VGA and HDMI simultaneously from the same plate)

- A Denon Blu-ray player will be installed at the rack location. This device is equipped with RS232 control interface.

- A Contemporary Research HD tuner will be installed at the rack location. This will display CATV sources. Client is responsible for providing a CATV drop at the equipment rack location.

- An HDMI input connection will be provided on the rack input plate for aux video sources.

Audio System
- A QSC Q-Sys Core 500i Digital signal processor will be installed for audio signal processing.

- Flanking the main display, Line array clusters will be installed. Each cluster consists of the following loudspeakers: (x2) Renkus Heinz VAX15Si 15" subwoofer cabinets, (x1) Renkus Heinz VAX101i 22/6, (x1) Renkus Heinz VAX101i 22/69, and (x1) Renkus Heinz VAX101i 22/912. These speakers will be used when presentations are oriented towards the east wall

- On the south side of the gymnasium, (x3) Renkus Heinz CFX/81 loudspeakers will be mounted on the columns. These speakers will be used when presentations are oriented towards the south wall.

- On the north wall and south wall, (x4 on each wall, total of x8) Tannoy AMS8DC speakers will be installed for BGM applications.

- QSC amplifiers will be used ((x5 CXD4.5Q, x1 CXD4.3Q) to power loudspeakers. These amplifiers will interface directly with the Q-

Sys DSP through an audio-only network switch located in the equipment rack.

- Audio connections will be provided at each video input plate and consist of the following: XLR female (microphone), XLR Female (Line), and consumer input jacks (3.5mm and x2 RCA)

- A Denon DN300z CD player will be installed at the rack location. In addition to CDs, this device has Bluetooth, AM/FM, and flash drive playback.

- A 6 channel Sony MBX microphone system will be installed at the rack location. For each channel, a handheld microphone and lavalier microphone will be provided.

- A full-normal patch bay will be installed at the rack location. This patch bay will allow a third party mixer to modify audio signals prior to output through loudspeaker system. If no mixer is connected, audio signals will be processed and controlled directly with the Q-Sys DSP.

- On the rack input plate, consumer input jacks and a "Mix-in"(XLR) will be provided. Additionally, press-feed XLR output will be provided.

Control System
- An AMX NI-3200 control processor will be provided for system control. Using the rack mounted 10" touch panel, users will have the following controls: System power, source selection, speaker selection, program audio control, microphone control, Blu-ray transport control, and CD player control.

Technical furniture/Rack
- In the storage room, a 40 RU Middle Atlantic wall rack will be installed to house all rack mounted equipment and amplifiers. This rack will be equipped with thermal management and power sequencing. A locking 2RU drawer will be provided for microphone storage. A vented front door will be installed on the rack to allow ventilation while maintaining security.

-A mobile podium (finish TDB by client) will be provided. This podium will be outfitted with an 18" gooseneck microphone, 18" gooseneck light, and cable cubby. 35' umbilical will be provided for connection to wall plate.

Shades
- On the West wall, (x7) motorized shades will be installed. Relay expansion port will be provided to allow control of shades from AMX user interfaces.

SSi anticipates three weeks on site for installation. There is currently an 8 week lead time from receipt of PO to installation date.

This project is priced in accordance with AV State Contract #99999-SPD-SPD0000048-0010.

CLIENT RESPONSIBILITIES
Client is responsible for providing a data drop at the equipment rack location for the control processor, touch panel, and crosspoint switcher.
Client is responsible for all power requirements at the projector, screen, equipment rack, and input connection plate locations.
Client is responsible for providing a CATV drop at the equipment rack locations.
Client is responsible for all conduit raceways to the speaker, projector, wall plate, and screen locations

Project Materials

Description	Manufacturer	Part	Qty.	Unit Price	Ext. Price
Display					
3 Chip DLP WUXGA 13,000lm High Performance Projector	Hitachi	CP-WU13K	3	$29,267.50	$87,802.50
Standard Throw Motorized Lens for CP-WU13K Projector	Hitachi	ML-K04	1	$6,089.25	$6,089.25
Ultra Long Throw Motorized Lens for CP-WU13K Projector	Hitachi	UL-K06	2	$7,909.70	$15,819.40
Scissor Lift 24' 9" drop length	Draper	300254	1	$7,976.40	$7,976.40
Heavy Duty Universal Projector Mount	Chief	VCMU	3	$317.40	$952.20
3" Fixed Extension Column	Chief	CMS003	3	$7.87	$23.61

8" (203 mm) Ceiling Plate	Chief	CMA110	1	$45.54	$45.54
I-Beam Clamp	Chief	CMA360	2	$193.20	$386.40
Extra Large Projector Security Cage	Chief	PG3A	3	$442.98	$1,328.94
Paragon/Series V, 234", 16:10, Matt White XT1000V, 110 V	Draper	114616	1	$3,843.88	$3,843.88
Premier, 198", 16:10, XT1000V, 110 V, with LVC-IV	Draper	101779U	2	$2,764.60	$5,529.20
Low Voltage Control Module LVC-IV, 110 V	Draper	121222	1	$143.75	$143.75
Video					
10x8 Seamless 4K Scaling Presentation Matrix Switcher	Extron	60-1381-01	1	$9,099.27	$9,099.27
DTP Transmitter for HDMI and VGA with Audio, decora	Extron	60-1366-52	3	$677.48	$2,032.44
DTP HDMI 4K 330 Rx	Extron	60-1331-13	3	$313.51	$940.53
Blu-ray Disc Player w/ RS232 control interface	Denon	DN-500BD	2	$322.00	$644.00
232-ATSC 4 HDTV Tuner	Contem. Research	5099-001	1	$805.00	$805.00
RK1 - Single Rack Mount, 1 RU	Contem. Research	5008-001	1	$34.50	$34.50
Audio					
Integrated DSP Core with eight I/O card slots	QSC	CORE 500i Kit	1	$2,070.00	$2,070.00
4 channel microphone / line-level analog audio input card	QSC	CIML4-HP	6	$560.05	$3,360.30
4 channel balanced, line-level analog output card	QSC	COL4	1	$205.85	$205.85
8000W Q-Sys Network Amplifier	QSC	CXD4.5Q-NA	5	$2,357.50	$11,787.50
4000W Q-Sys Network Amplifier	QSC	CXD4.3Q-NA	1	$1,955.00	$1,955.00
Subwoofer, Non-Powered, 800 W Pgm @ 8 Ohms	Renkus Heinz	VAX15S	4	$2,242.50	$8,970.00
2-Way Full Range 500 W Pgm @ 8 Ohms, 60° waveguide	Renkus Heinz	VAX101-22/6	2	$2,242.50	$4,485.00
2-Way Full Range 500 W Pgm @ 8 Ohms, 60° to 90° waveguide	Renkus Heinz	VAX101-22/69	2	$2,242.50	$4,485.00
2-Way Full Range 500 W Pgm @ 8 Ohms, 90° to120° waveguide	Renkus Heinz	VAX101-22/912	2	$2,242.50	$4,485.00
Flybar for VA(X)101	Renkus Heinz	RHANG-101LA	4	$592.25	$2,369.00
Interconnect Bar to connect VA(X)101-15 to VA(X)101-22	Renkus Heinz	ICB-VA101-1522	8	$103.50	$828.00
M10 eyebolts	Renkus Heinz	WE0004	16	$17.25	$276.00
2-Way, Full Range Loudspeaker 8" LF, 1" HF	Renkus Heinz	CFX81-WR	3	$661.25	$1,983.75
Single U-Bracket (Weather Resistant) for the CFX81	Renkus Heinz	UBRKT/81B	3	$46.00	$138.00
Horn rotation kit	Renkus Heinz	ROTATE HORN	3	$34.50	$103.50
AMS8 Dc surface mounted speaker	Tannoy	8001 7991	8	$312.80	$2,502.40
VariBall AMS 6/8 (white)	Tannoy	8001 8116	8	$25.30	$202.40
CD, SD, USB Player with BT and AM/FM Receivers, Single Play, Balanced (	Denon	DN-300Z	1	$322.00	$322.00
48 pt 1/4" Jack Panel, Full Normal	DBX	MT48FNX	1	$262.37	$262.37
Wireless microphone tuner base unit	Sony	MBX6	1	$765.88	$765.88
UWP Series Plug-in Tuner Module	Sony	URXM2/3032	6	$385.89	$2,315.34
UWP Series Handheld Microphone	Sony	UTXM03/30	6	$367.26	$2,203.56
UWP-D Series Bodypack Transmitter with Omni Lavalier Mic	Sony	UTXB03/30	6	$367.26	$2,203.56
18" Gooseneck Condenser Microphone, supercardioid,shk-mt	Shure	MX418/S	1	$187.45	$187.45
Radio Design Labs D-CIJ3 Consumer Input Jacks, RCA,3.5mm	RDL	D-CIJ3	4	$84.81	$339.24
Control					
NI-3200 Netlinx integrated controller	AMX	FG2106-03	1	$1,825.23	$1,825.23
10" Modero X-series wall mounted touch panel	AMX	FG5968-49	1	$3,478.66	$3,478.66
PoE injector	AMX	FG423-83	1	$64.42	$64.42
Rack Mount Kit for 10" Modero X Series Landscape Touch Panel	AMX	FG5969-62	1	$212.05	$212.05
24-Port Gigabit PoE Smart Managed Switch with 8 PoE Ports	Netgear	GS728TP-100NAS	1	$460.00	$460.00
Equipment Rack					
SR Series wall mounted Rack, 40RU	Middle Atlantic	SR-40-32	1	$1,056.85	$1,056.85
Vented Front Door, 40 RU	Middle Atlantic	LVFD-40	1	$272.44	$272.44
Rackrail, 10-32, 40 RU	Middle Atlantic	DWR-RR40	1	$60.31	$60.31
Fan Kit, DWR/SR 32"D	Middle Atlantic	DWR-FK32	1	$97.87	$97.87
Slim Power Strip, 24 Outlet, 20A	Middle Atlantic	PD-2420SC-NS	1	$103.69	$103.69
Lace Strip, 40 RU	Middle Atlantic	LACE-40-OWP	1	$151.83	$151.83
Rackmount Power, 6 Outlet, 20A, 6-Step Sequencing	Middle Atlantic	PDS-620R	2	$367.66	$735.32
Remote Power Switch, Decora® Mount	Middle Atlantic	S-DEC	1	$55.02	$55.02
Drawer, 2 RU, Anodized, w/Lock	Middle Atlantic	D2LK	1	$130.14	$130.14
Mobile Lectern					
Executive Multimedia Podium	VFI	PDX22	1	$3,161.35	$3,161.35
Table Top Cable Well	VFI	Cub7	1	$286.35	$286.35
High Intensity Gooseneck Light 18" long with chassis, dimmer	VFI	LIGHT-18	1	$100.05	$100.05
Misc					

Category 6A F/UTP, plenum, 1000'	Liberty	24-4P-P-L6ASH-WHT	3	$779.51	$2,338.53
12 AWG 2 conductor plenum cable	Liberty	12-2C-P-BLK	5	$437.00	$2,185.00
16 AWG 2 conductor plenum cable	Liberty	16-2C-P-BLK	1	$194.35	$194.35
Audio and control 22 AWG 1 pair shielded plenum	Liberty	22-2C-PSH-BLK	3	$110.40	$331.20
4 gang, x3 decora cutout, x2 XLR3pF	PanelCrafters	SUMSYS-WQ469258	1	$70.01	$70.01
4 gang, x3 decora cutout, x2 XLR3pF	PanelCrafters	SUMSYS-WQ469259	1	$70.01	$70.01
4 gang, x3 decora cutout, x2 XLR3pF	PanelCrafters	SUMSYS-WQ469260	1	$70.01	$70.01
Rack input plate, x1 decora, x1 HDMI, x1 XLR3pF,x1 XLR3pM	PanelCrafters	SUMSYS-WQ469262	1	$56.58	$56.58
Category 6 Shielded 8P8C RJ45 Plug	Liberty	111S08080091C34	100	$2.06	$206.00
Professional Audio XLR 3-pin female connector	Liberty	NC3FXX	15	$3.17	$47.55
Professional Audio XLR 3-pin male connector	Liberty	NC3MXX	15	$2.98	$44.70
Professional Audio SpeakON 4 pole	Liberty	NL4FX	12	$5.21	$62.52
Professional Audio SpeakON 2 pole	Liberty	NL2FX	5	$3.71	$18.55
Commercial Grade HDMI Cables with Ethernet, 2M	Liberty	E2-HDSEM-M-02	6	$9.31	$55.86
Commercial Grade HDMI Cables with Ethernet, 3M	Liberty	E2-HDSEM-M-03	4	$11.19	$44.76
33' Liberty Commercial Grade High Retention HDMI	Liberty	E2-HDSEM-M-10	1	$51.04	$51.04
35FT SELECT VGA + 3.5MM STEREO AUDIO	C2G	50229	1	$37.83	$37.83
Metal DE series hoods for DB9	Liberty	MHDTZK9K	5	$2.21	$11.05
Solder style D-SUB DB9 female connector	Liberty	DB9F	15	$0.50	$7.50
Solder style D-SUB DB9 male connector	Liberty	DB9M	10	$0.49	$4.90
Rigging Hardware	SSI	SSI-HDWRCC	1	$1,725.00	$1,725.00
Cables, Connectors, and Miscellaneous Hardware	SSI	SSI-HDWRCC	1	$402.50	$402.50
Lift rental - Per Day	SSI-RENTAL	LIFT RENTAL	15	$345.00	$5,175.00
Motorized shades					
97 (w) X 70 (h) OM *SB9000 Ivory *Small White Fascia *Railroad with Se	Draper	FLEXSHADE MO (Custom)	5	$39.85	$199.25
115 (w) X 105 (h) OM *SB9000 Tan *Small White Fascia *Railroad with S	Draper	FLEXSHADE MO (Custom)	2	$754.46	$1,508.92
Low Voltage Controller	Draper	121222	7	$143.75	$1,006.25
Rel8 relay expansion module	AMX	FG2100-20	2	$345.00	$690.00
Lift rental - Per Day, articulation lift	SSI-RENTAL	LIFT RENTAL	4	$460.00	$1,840.00
Cables, Connectors, and Miscellaneous Hardware	SSI	SSI-HDWRCC	1	$575.00	$575.00

Project Pricing Summary	
Materials	$233,584.36
Labor	$36,028.64
Shipping	$3,503.77
Tax 0%	$0.00
Grand Total	**$273,116.77**

Optional Maintenance Agreement	
Platinum Level Service	$23,214.93
Gold Level Service	$17,752.59
Silver Level Service	$12,290.25

Summary

This is an exciting project and we are very glad to be a part of it. We are anxious to earn your business. These designs have been formulated based on the information provided during our walk through and our discussion of your needs. Thanks for allowing us an opportunity to bid on this.

Sincerely,

Mark Bradford, CTS-D
Sr. Account Executive
Summit Systems, Inc.
770-846-7325
mbradford@sumsys.com

Terms and Conditions

1. All work will be completed during normal business hours, 8:00 a.m. to 5:00 p.m. Monday through Friday, unless otherwise agreed upon in the above mentioned scope of work.

2. Unencumbered access to all pertinent areas will be made readily available to Summit Systems technicians.

3. The customer will provide locked storage on-site for yet to be installed equipment and cabling.

4. Summit Systems will not be responsible in any way for acts of nature nor for the negligence of, or accidents caused by the customer or others.

5. Customer must have authorized personnel on site at beginning of project to accept delivery of equipment.

6. Customer must have authorized personnel on site at completion of project to accept completion of project.

7. Payment Terms: due upon receipt of invoice. All Credit Card purchases charged 3% surcharge.

8. Projects will be invoiced either monthly or progressively based on project and circumstances.

9. If for any reason, the customer changes the scheduled installation date within 48 hours of agreed upon installation date, remobilization charges will apply.

10. If SSi is delayed during the installation as a result of accessibility(scheduled meetings), other trades or contractors, customer's provided hardware that is faulty or incompatible, or any other reason outside of SSi's scope or responsibility, additional charges will apply,

11. The Scope of Work outlined in this proposal will be the agreed upon project scope and any requested change to scope, functionality, customer's requirement, and anything not specifically outlined in this scope will result in additional charges.

12. All hardware will be installed per manufacturer's recommendations. Any obstacles, deviations, or limitations will result in a change order.

13. Warranty for system is 1 year on craftsmanship. Warranty beings at customer acceptance or first substantial usage, whichever occurs first.

14. Any hardware that is warranted for more than 1 year will be the customer's responsibility for any billable services after the initial 1 year SSI warranty has expired.

Statement of Award

Georgia Institute of Technology hereby awards Summit Systems the project as outlined and described in these previous pages on proposal #16-3099 in its entirety for the total sum of $273,116.77.

Georgia Institute of Technology does hereby declare that all sections comprising this document, including client prerequisites and obligations, have been read and understood and that no issue or exception has been taken to any of them in part or in whole. Georgia Institute of Technology further agrees and covenants to abide by and adhere to all terms, conditions, and obligations set forth herein.

Georgia Institute of Technology

Signature: _____

Printed Name: _____

Date: _____

Please fax to the attention of Accounting Department at (678) 482-8060 & mail original to attention of same.
Credit Card must be used by all new customers unless prequalified for credit.
All Credit Card purchases charged 3% surcharge.

North Avenue Complex Gymnasium A/V Improvements

120 North Avenue N.W., Atlanta, GA. 30332
ATLANTA, GEORGIA 30313

FOR:

GEORGIA INSTITUTE OF TECHNOLOGY

ATLANTA, GEORGIA

ROBERTSON / LOIA / ROOF

ARCHITECTS & ENGINEERS ALPHARETTA, GEORGIA

RLR PROJECT NO. 16-218

PROJECT : **North Avenue Complex Gymnasium A/V Improvements**
ADDRESS: 120 NORTH AVENUE NW, ATLANTA, GA 30313
PRIMARY OCCUPANCY GROUP: ASSEMBLY
OWNER / CONTACT: GEORGIA INSTITUTE OF TECHNOLOGY
PROJECT NUMBER: 16-218
DESIGNER OF RECORD: ROBERTSON LOIA ROOF PC
3460 PRESTON RIDGE ROAD / SUITE 275
ALPHARETTA, GEORGIA, 30005

DISCIPLINE	NAME	LICENSE NO.	PHONE NO.
ARCHITECTURAL	DUANE ROOF	4038	770/674-2600
ELECTRICAL	SCOTT WALKER	24903	770/674-2600
MECHANICAL	NIMIR DESAI	036086	770/674-2600

GENERAL NOTES:

1. UNLESS OTHERWISE INDICATED, ANY NOTE, DETAIL, OR FEATURE INDICATED FOR ONE CONDITION SHALL BE APPLICABLE FOR ALL ALIKE AND SIMILAR CONDITIONS.
2. PROVIDE BLOCKING AS REQUIRED IN PARTITIONS WHERE WALL MOUNTED ITEMS ARE SCHEDULED TO BE MOUNTED.

BUILDING CODES:

- NFPA 101 LIFE SAFETY CODE, 2012 EDITION, WITH GEORGIA AMENDMENTS
- INTERNATIONAL BUILDING CODE, 2012 EDITION, WITH GEORGIA AMENDMENTS
- INTERNATIONAL FIRE CODE, 2012 EDITION, WITH GEORGIA AMENDMENTS
- INTERNATIONAL MECHANICAL CODE, 2012 EDITION, WITH GEORGIA AMENDMENTS
- NATIONAL ELECTRICAL CODE, 2014 EDITION (NO GEORGIA AMENDMENTS)
- INTERNATIONAL ENERGY CONSERVATION CODE, 2009 EDITION, WITH GEORGIA SUPPLEMENTS AND AMENDMENTS

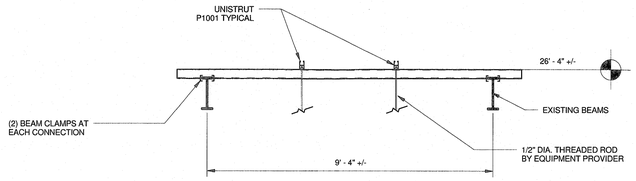
HANDICAPPED: ANSI 117.1, ADA & ADAAG

Sheet List

Sheet Number	Sheet Name
CVR	COVER SHEET
Structural	
S.1	STRUCTURAL SUPPLEMENT SUPPORT FOR AV EQUIPMENT
Electrical	
E1.01	ELECTRICAL PLAN
E9.01	ELECTRICAL AV SYSTEMS
E9.02	ELECTRICAL AV SYSTEMS
E9.03	ELECTRICAL AV SYSTEMS
E9.04	ELECTRICAL AV SYSTEMS

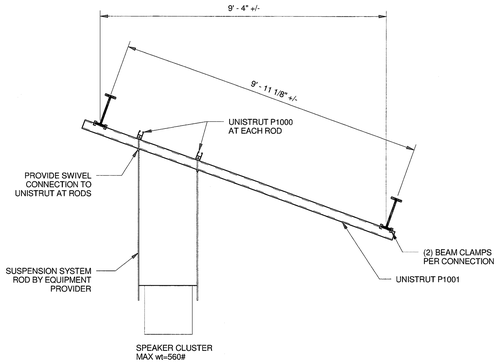
DATE: AUGUST 12, 2016

North Avenue Complex Gymnasium A/V Improvements



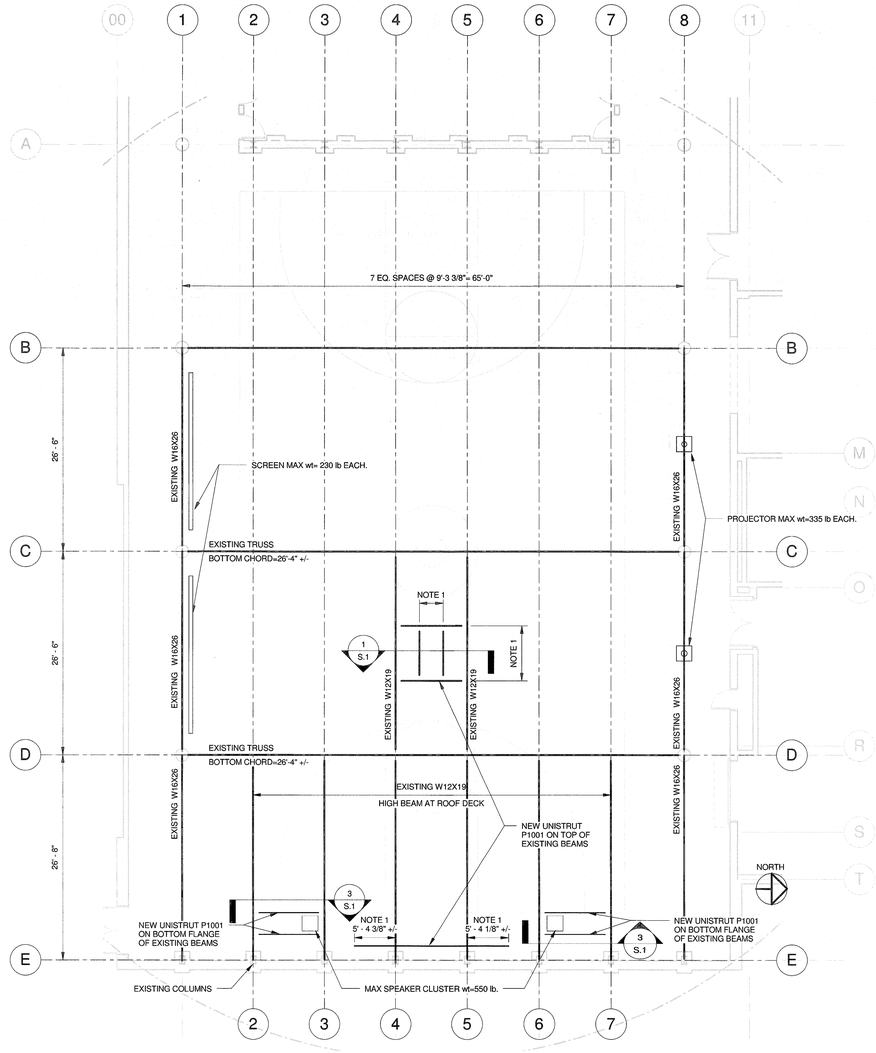
PROJECTOR HOIST AND PROJECTOR
MAX TOTAL EQUIPMENT WEIGHT=600#

1 PROJECTION HANGER
1/2" = 1'-0"



SPEAKER CLUSTER
MAX wt=560#

3 SPEAKER CLUSTER HANGER
1/2" = 1'-0"



NOTES:

1. CONTRACTOR VERIFY DIMENSIONS WITH EQUIPMENT PROVIDED.
2. UNISTRUT P1001 CHANNEL USED AS BASIS OF DESIGN. SUBSTITUTIONS SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL.
   MEMBER PROPERTIES:
   WIDTH= 1 5/8" ; HEIGHT= 3 1/4" ; THICKNESS 12ga (.105")
   AREA= 1.111 in^2 ; Ixx= .928 in^4 ; Sx= .571 in^3
   NOTE THAT MEMBER ALLOWABLE BENDING MOMENTS MUST TAKE INTO ACCOUNT ALL MANUFACTURER SPECIFIED REDUCTIONS FOR UNBRACED LENGTH.
3. SUSPENSION RODS, CABLES, BEAM CLAMPS AND OTHER HARDWARE USED TO CONNECT EQUIPMENT TO UNISTRUT MEMBERS OR EXISTING STEEL MEMBERS ARE TO BE DESIGNED AND SPECIFIED BY EQUIPMENT INSTALLER. ALL HARDWARE SHALL BE SUFFICIENT TO SUPPORT EQUIPMENT USING INDUSTRY STANDARD SAFETY FACTORS FOR ALLOWABLE LOADS.
4. EQUIPMENT SHALL BE ADEQUATELY BRACED LATERALLY USING GUY WIRES OR OTHER MEANS. BRACING SHALL BE SPECIFIED BY EQUIPMENT PROVIDER.
5. CONNECTIONS TO EXISTING MEMBERS SHALL BE MADE IN SUCH FASHION THAT MEMBERS ARE NOT DAMAGED. NO HOLES SHALL BE DRILLED OR CUT IN EXISTING MEMEBRS.
6. ALL NEW MEMBERS SHALL BE PAINTED TO MATCH EXISTING STRUCTURE.

2 FRAMING PLAN
1/8" = 1'-0"

ROBERTSON LOIA ROOF
ARCHITECTS & ENGINEERS
3460 Preston Ridge Road . Suite 275 . Alpharetta, Georgia 30005
770-674-2600 . Fax 678-319-0745

REGISTERED
No. 25834
PROFESSIONAL
ENGINEER
STATE OF GEORGIA
ALFRED P. MCPETERS

North Avenue Gymnasium A/V Improvements
Atlanta, Georgia
FOR:
Georgia Institute of Technology

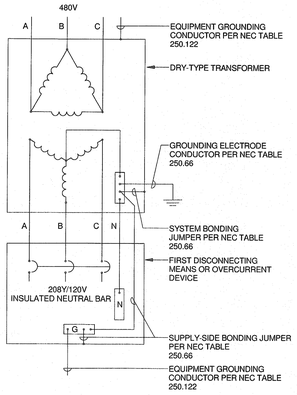
REVISIONS

SHEET TITLE
STRUCTURAL SUPPLEMENT
SUPPORT FOR A/V
EQUIPMENT

DATE
8 - 12 - 16

PROJECT NUMBER
16-218

SHEET NUMBER
S.1



3 E1.01 **TRANSFORMER GROUNDING DETAIL**
NOT TO SCALE

ELECTRICAL PLAN KEYNOTES

VALUE	NOTE
P1	JUNCTION BOX FOR SHADE. VERIFY MOUNTING LOCATION WITH LOW VOLTAGE CONTRACTOR. MAKE FINAL CONNECTION TO SHADE.
P2	JUNCTION BOX / RECEPTACLE FOR SIDE PROJECTOR. VERIFY MOUNTING LOCATION WITH LOW VOLTAGE CONTRACTOR. MAKE FINAL CONNECTION IF NECESSARY.
P3	JUNCTION BOX FOR SCREEN. VERIFY MOUNTING LOCATION WITH LOW VOLTAGE CONTRACTOR. MAKE FINAL CONNECTION TO SCREEN.
P4	JUNCTION BOX FOR CONNECTION TO PROJECTOR LIFT SYSTEM. VERIFY MOUNTING LOCATION WITH LOW VOLTAGE CONTRACTOR. MAKE FINAL CONNECTION.
P5	JUNCTION BOX FOR MAIN PROJECTOR. VERIFY MOUNTING LOCATION WITH LOW VOLTAGE CONTRACTOR. MAKE FINAL CONNECTION.
P6	MOUNT NEXT TO AV INPUTS.

A

LOCATION:
SUPPLY FROM:
MOUNTING: Surface
ENCLOSURE: Type 1

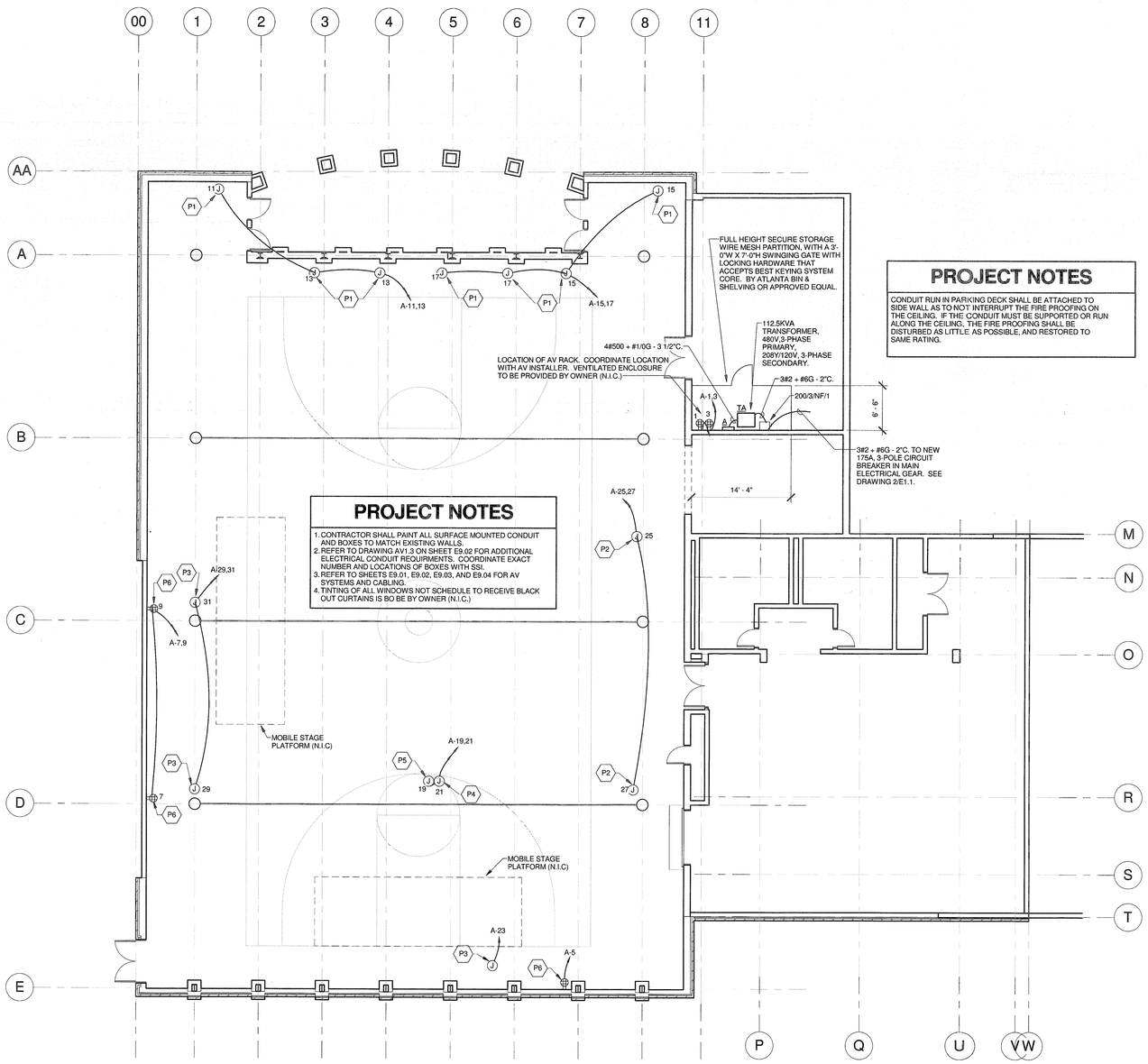
VOLTS: 120/208 WYE
PHASES: 3
WIRES: 4

A.I.C. RATING: 10K
MAINS TYPE: MCB
MAINS RATING: 400 A
MCB RATING: 400 A

#	CIRCUIT DESCRIPTION	TR...	POLES	A		B		C		POLES	TR...	CIRCUIT DESCRIPTION	#
1	RECEPTACLE - RACK	20 A	1	360	0					--	--	SPACE ONLY	2
3	RECEPTACLE - RACK	20 A	1			360	0			--	--	SPACE ONLY	4
5	RECEPTACLE - FRONT	20 A	1					360	0	--	--	SPACE ONLY	6
7	RECEEPTACLE - SIDE	20 A	1	360	0					--	--	SPACE ONLY	8
9	RECEEPTACLE - SIDE	20 A	1			360	0			--	--	SPACE ONLY	10
11	SHADE	20 A	1					200	0	--	--	SPACE ONLY	12
13	SHADE	20 A	1	400	0					--	--	SPACE ONLY	14
15	SHADE	20 A	1			400	0			--	--	SPACE ONLY	16
17	SHADE	20 A	1					400	0	--	--	SPACE ONLY	18
19	MAIN PROJECTOR	20 A	1	500	0					--	--	SPACE ONLY	20
21	MAIN PROJECTOR LIFT	20 A	1			500	0			--	--	SPACE ONLY	22
23	MAIN SCREEN	20 A	1					200	0	--	--	SPACE ONLY	24
25	PROJECTOR - SIDE	20 A	1	500	0					--	--	SPACE ONLY	26
27	PROJECTOR - SIDE	20 A	1			500	0			--	--	SPACE ONLY	28
29	SCREEN - SIDE	20 A	1					200	0	--	--	SPACE ONLY	30
31	SCREEN - SIDE	20 A	1	200	0					--	--	SPACE ONLY	32
33	SPARE	20 A	1			0	0			--	--	SPACE ONLY	34
35	SPARE	20 A	1					0	0	--	--	SPACE ONLY	36
37	SPARE	20 A	1	0	0					--	--	SPACE ONLY	38
39	SPARE	20 A	1			0	0			--	--	SPACE ONLY	40
41	SPARE	20 A	1					0	0	--	--	SPACE ONLY	42
43	SPACE ONLY	--	--	0	0					--	--	SPACE ONLY	44
45	SPACE ONLY	--	--			0	0			--	--	SPACE ONLY	46
47	SPACE ONLY	--	--					0	0	--	--	SPACE ONLY	48
49	SPACE ONLY	--	--	0	0					--	--	SPACE ONLY	50
51	SPACE ONLY	--	--			0	0			--	--	SPACE ONLY	52
53	SPACE ONLY	--	--					0	0	--	--	SPACE ONLY	54
55	SPACE ONLY	--	--	0	0					--	--	SPACE ONLY	56
57	SPACE ONLY	--	--			0	0			--	--	SPACE ONLY	58
59	SPACE ONLY	--	--					0	0	--	--	SPACE ONLY	60
61	SPACE ONLY	--	--	0	0					--	--	SPACE ONLY	62
63	SPACE ONLY	--	--			0	0			--	--	SPACE ONLY	64
65	SPACE ONLY	--	--					0	0	--	--	SPACE ONLY	66
67	SPACE ONLY	--	--	0	0					--	--	SPACE ONLY	68
69	SPACE ONLY	--	--			0	0			--	--	SPACE ONLY	70
71	SPACE ONLY	--	--					0	0	--	--	SPACE ONLY	72
73	SPACE ONLY	--	--	0	0					--	--	SPACE ONLY	74
75	SPACE ONLY	--	--			0	0			--	--	SPACE ONLY	76
77	SPACE ONLY	--	--					0	0	--	--	SPACE ONLY	78
79	SPACE ONLY	--	--	0	0					--	--	SPACE ONLY	80
81	SPACE ONLY	--	--			0	0			--	--	SPACE ONLY	82
83	SPACE ONLY	--	--					0	0	--	--	SPACE ONLY	84
	TOTAL CONNECTED LOAD:			2320 VA		2120 VA		1360 VA					
	TOTAL CONNECTED AMPS:			20 A		19 A		11 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Equipment	4000 VA	100.00%	4000 VA	TOTAL CONNECTED LOAD:	5800 VA
Receptacle	1800 VA	100.00%	1800 VA	TOTAL ESTIMATED DEMAND:	5800 VA
				TOTAL CONNECTED AMPS:	16 A
				CALCULATED DEMAND AMPS:	16 A

NOTES:



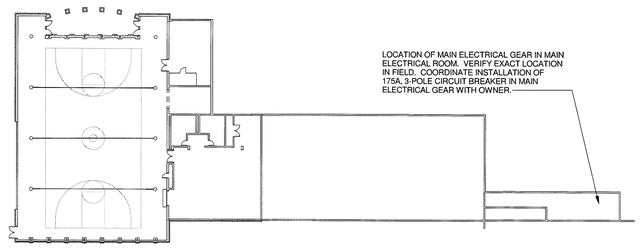
PROJECT NOTES

1. CONTRACTOR SHALL PAINT ALL SURFACE MOUNTED CONDUIT AND BOXES TO MATCH EXISTING WALLS.
2. REFER TO DRAWING AV1.3 ON SHEET E9.02 FOR ADDITIONAL ELECTRICAL CONDUIT REQUIRMENTS. COORDINATE EXACT NUMBER AND LOCATIONS OF BOXES WITH SSI.
3. REFER TO SHEETS E9.01, E9.02, E9.03, AND E9.04 FOR AV SYSTEMS AND CABLING.
4. TINTING OF ALL WINDOWS NOT SCHEDULE TO RECEIVE BLACK OUT CURTAINS IS BO BE BY OWNER (N.I.C.)

PROJECT NOTES

CONDUIT RUN IN PARKING DECK SHALL BE ATTACHED TO SIDE WALL AS TO NOT INTERRUPT THE FIRE PROOFING ON THE CEILING. IF THE CONDUIT MUST BE SUPPORTED OR RUN ALONG THE CEILING, THE FIRE PROOFING SHALL BE DISTURBED AS LITTLE AS POSSIBLE, AND RESTORED TO SAME RATING.

1 E1.01 **ELECTRICAL PLAN**
1/8" = 1'-0"



2 E1.01 **ELECTRICAL OVERALL PLAN**
1/32" = 1'-0"

ROBERTSON LOIA ROOF
ARCHITECTS & ENGINEERS
3460 Preston Ridge Road . Suite 275 . Alpharetta, Georgia 30005
770-674-2600 . Fax 678-319-0745

North Avenue Complex Gymnasium
A/V Improvements
Atlanta, Georgia
FOR:
Georgia Institute of Technology

REVISIONS

SHEET TITLE
ELECTRICAL PLAN

DATE
08-12-2016

PROJECT NUMBER
16-218

SHEET NUMBER
E1.01

NORTH AVENUE GYM
16-3099 - 16-7176

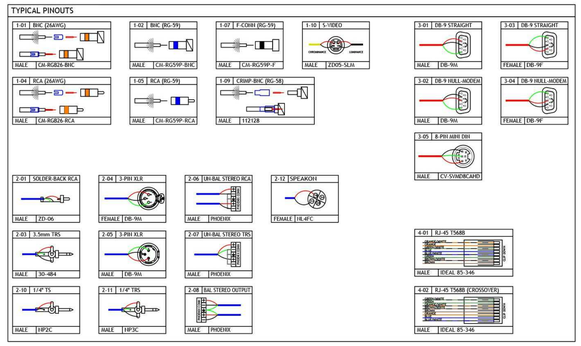
132 NORTH AVE.
ATLANTA, GA 30313

TABLE OF CONTENTS

SSi
SUMMIT SYSTEMS INC

AUDIO VISUAL, STRUCTURED CABLING,
AND ELECTRICAL SERVICES CONTRACTOR
1880 Enterprise Dr., Suite E
Buford, GA 30518
(678) 482-8010

TYPICAL PINOUTS



POWER & SIGNAL LEGEND

- 120 VAC DUPLEX OUTLET MOUNTED @ 18" A.F.F. OR TYPICAL OUTLET HEIGHT
- 120 VAC GFI DUPLEX OUTLET MOUNTED @ 18" A.F.F. OR TYPICAL OUTLET HEIGHT
- 120 VAC QUADRUPLEX OUTLET MOUNTED @ 18" A.F.F. OR TYPICAL OUTLET HEIGHT
- 120 VAC DUPLEX OUTLET MOUNTED ON FLOOR
- 120 VAC DUPLEX OUTLET MOUNTED IN ACCESSIBLE CEILING
- ANALOG TELEPHONE OUTLET MOUNTED @ 18" A.F.F. OR TYPICAL OUTLET HEIGHT
- LAN/DATA OUTLET MOUNTED @ 18" A.F.F. OR TYPICAL OUTLET HEIGHT
- COMBINATION TELE/DATA OUTLET MOUNTED @ 18" A.F.F. OR TYPICAL OUTLET HEIGHT
- LAN/DATA OUTLET MOUNTED ON FLOOR
- SINGLE POLE SWITCH FOR SCREEN CONTROL MOUNTED @ 48" A.F.F. OR TYPICAL SWITCH HEIGHT
- SINGLE GANG JUNCTION BOX W/ PULL STRING AT HEIGHT INDICATED ON DRAWINGS
- DOUBLE GANG JUNCTION BOX W/ PULL STRING AT HEIGHT INDICATED ON DRAWINGS
- TRIPLE GANG JUNCTION BOX W/ PULL STRING AT HEIGHT INDICATED ON DRAWINGS
- QUAD GANG JUNCTION BOX W/ PULL STRING AT HEIGHT INDICATED ON DRAWINGS

CABLE LEGEND

- RGBHV/VGA CABLE RGB5C-PLH OR PRE-MADE
- VIDEO COMPOSITE OR COMPONENT RG-59 UNLESS NOTED OTHERWISE
- HDMI/DVI DIGITAL CABLE PRE-MADE
- AUDIO CABLE 22AWG/2 SHIELDED
- LAN/DATA CABLE CAT5e UTP UNLESS NOTED OTHERWISE
- CONTROL CABLE 22AWG/2 SHIELDED
- SPEAKER CABLE 16AWG/2

SSi
SUMMIT SYSTEMS INC
1880 Enterprise Dr.
Buford, GA 30518
(678) 482-8010

NORTH AVENUE GYM
132 NORTH AVE
ATLANTA, GA 30313

REVISION

PROJECT NUMBER	16-3099
PROJECT DATE	7-18-2016
ENGINEER	D. PRATT
DRAFTSMAN	B. WATSON

SHEET
AV1.0

SCOPE OF WORK

SSI will install upgrades in the North Avenue Gymnasium. Details are as follows:

Display
- On the east wall, a 234" diagonal electric screen will be installed from the two trusses overhead. A 13000 lumen WUXGA Hitachi projector will be mounted on a projector lift to display images on this screen. Projector lift will be capable of reaching the floor for serviceability. Projector will have an approximate throw of 35'. Projector will be housed in a security cage to reduce risk of damage during sporting events.

- On the south side of the gymnasium, (x2) 198" electric screens will be mounted on the truss between the columns. (x2) 13000 lumen WUXGA Hitachi projectors will be mounted on the north side of the gym to display images on the screens. Projectors will have an approximate throw of 65'. Projector will be housed in a security cage to reduce risk of damage during sporting events.

Video System
- An Extron DTP Crosspoint 108 will be provided for matrix switching and scaling. This matrix switcher will allow any system source to be routed to any display. Selected sources will be transmitted to DTP receivers located at each projector.

- Adjacent to each screen, an input plate transmitter will be provided and consist of HDMI and VGA + audio. (PLEASE NOTE: Each wall plate transmitter must be treated as one source with respect to matrix switching. I.E. you cannot display VGA and HDMI simultaneously from the same plate)

- A Denon Blu-ray player will be installed at the rack location. This device is equipped with RS232 control interface.

- A Contemporary Research HD tuner will be installed at the rack location. This will display CATV sources. Client is responsible for providing a CATV drop at the equipment rack location.

- An HDMI input connection will be provided on the rack input plate for aux video sources.

Audio System
- A QSC Q-Sys Core 500i Digital signal processor will be installed for audio signal processing.

- Flanking the main display, Line array clusters will be installed. Each cluster consists of the following loudspeakers: (x2) Renkus Heinz VAX15Si 15" subwoofer cabinets, (x1) Renkus Heinz VAX101i 22/6, (x1) Renkus Heinz VAX101i 22/69, and (x1) Renkus Heinz VAX101i 22/912. These speakers will be used when presentations are oriented towards the east wall

- On the south side of the gymnasium, (x3) Renkus Heinz CFX/81 loudspeakers will be mounted on the columns. These speakers will be used when presentations are oriented towards the south wall.

- On the north wall and south wall, (x4 on each wall, total of x8) Tannoy AMS8DC speakers will be installed for BGM applications.

- QSC amplifiers will be used ((x5 CXD4.5Q, x1 CXD4.3Q) to power loudspeakers. These amplifiers will interface directly with the Q-Sys DSP through an audio-only network switch located in the equipment rack.

- Audio connections will be provided at each video input plate and consist of the following: XLR female (microphone), XLR Female (Line), and consumer input jacks (3.5mm and x2 RCA)

- A Denon DN300z CD player will be installed at the rack location. In addition to CDs, this device has Bluetooth, AM/FM, and flash drive playback.

- A 6 channel Sony MBX microphone system will be installed at the rack location. For each channel, a handheld microphone and lavalier microphone will be provided.

- A full-normal patch bay will be installed at the rack location. This patch bay will allow a third party mixer to modify audio signals prior to output through loudspeaker system. If no mixer is connected, audio signals will be processed and controlled directly with the Q-Sys DSP.

- On the rack input plate, consumer input jacks and a "Mix-in"(XLR) will be provided. Additionally, press-feed XLR output will be provided.

SCOPE OF WORK

Control System
- An AMX NI-3200 control processor will be provided for system control. Using the rack mounted 10" touch panel, users will have the following controls: System power, source selection, speaker selection, program audio control, microphone control, Blu-ray transport control, and CD player control.

Technical furniture/Rack
- In the storage room, a 40 RU Middle Atlantic wall rack will be installed to house all rack mounted equipment and amplifiers. This rack will be equipped with thermal management and power sequencing. A locking 2RU drawer will be provided for microphone storage. A vented front door will be installed on the rack to allow ventilation while maintaining security.

-A mobile podium (finish TDB by client) will be provided. This podium will be outfitted with an 18" gooseneck microphone, 18" gooseneck light, and cable cubby. 35' umbilical will be provided for connection to wall plate.

Shades
- On the West wall, (x7) motorized shades will be installed. Relay expansion port will be provided to allow control of shades from AMX user interfaces.

SSi anticipates three weeks on site for installation. There is currently an 8 week lead time from receipt of PO to installation date.

This project is priced in accordance with AV State Contract #99999-SPD-SPD0000048-0010.

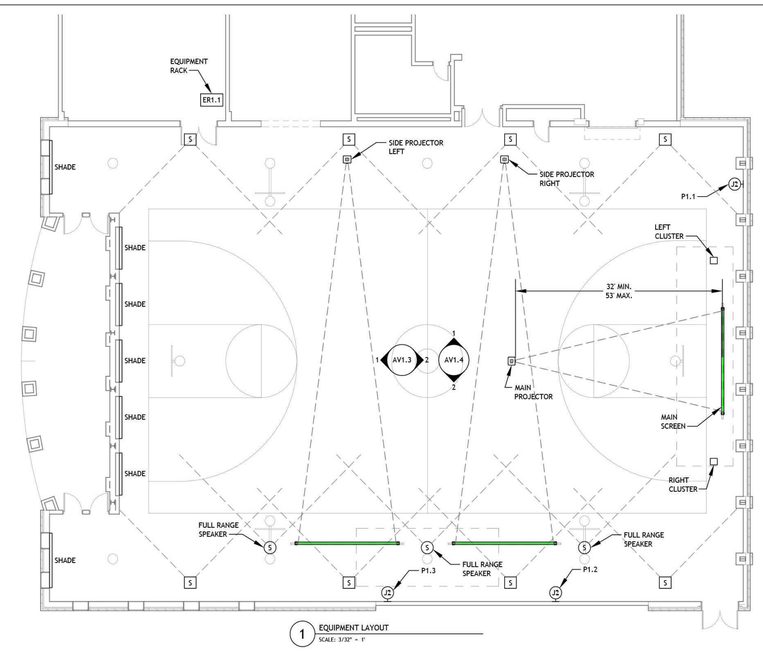
SSi
SUMMIT SYSTEMS INC
1880 Enterprise Dr.
Buford, GA 30518
(678) 482-8010

NORTH AVENUE GYM
132 NORTH AVE
ATLANTA, GA 30313

REVISION

PROJECT NUMBER	16-3099
PROJECT DATE	7-18-2016
ENGINEER	D. PRATT
DRAFTSMAN	B. WATSON

SHEET
AV1.1



1 EQUIPMENT LAYOUT
SCALE: 3/32" = 1'

SSi
SUMMIT SYSTEMS INC
1880 Enterprise Dr.
Buford, GA 30518
(678) 482-8010

NORTH AVENUE GYM
132 NORTH AVE
ATLANTA, GA 30313

REVISION

PROJECT NUMBER	16-3099
PROJECT DATE	7-18-2016
ENGINEER	D. PRATT
DRAFTSMAN	B. WATSON

SHEET
AV1.2

ROBERTSON LOIA ROOF
ARCHITECTS & ENGINEERS
3460 Preston Ridge Road . Suite 275 . Alpharetta, Georgia 30005
770-674-2600 . Fax 678-319-0745

North Avenue Gymnasium AV Improvments
Atlanta, Georgia
FOR: Georgia Institute of Technology

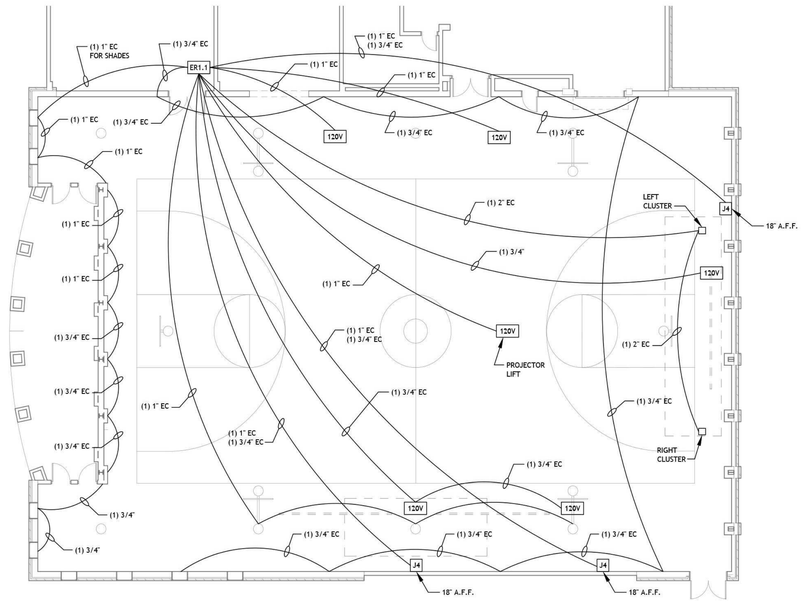
REVISIONS

SHEET TITLE
ELECTRICAL AV SYSTEMS

DATE
08-12-2016

PROJECT NUMBER
16-218

SHEET NUMBER
E9.01



1 EQUIPMENT LAYOUT
SCALE: 3/32" = 1'

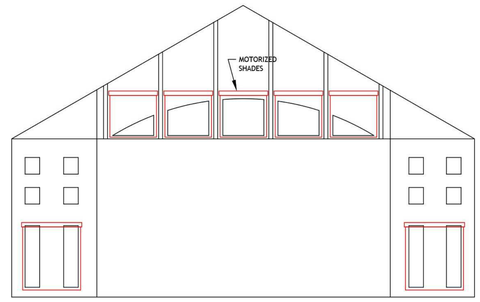
SSi SUMMIT SYSTEMS INC
1880 Enterprise Dr.
Buford, GA 30518
(678) 482-8010

NORTH AVENUE GYM
132 NORTH AVE
ATLANTA, GA 30313

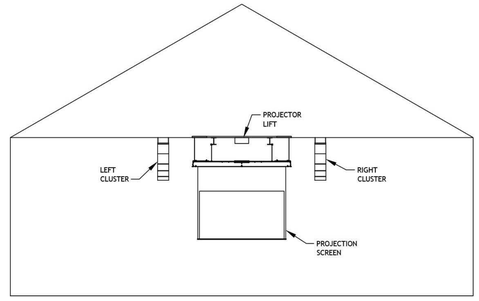
REVISION

PROJECT NUMBER	16-3099
PROJECT DATE	7-18-2016
ENGINEER	D. PRATT
DRAFTSMAN	B. WATSON

SHEET
AV1.3



1 ELEVATION LAYOUT - PLAN WEST
SCALE: 3/32" = 1'



2 ELEVATION LAYOUT - PLAN EAST
SCALE: 3/32" = 1'

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PROJECT NUMBER 16-3099
PROJECT DATE 7-18-2016
ENGINEER D. PRATT
DRAFTSMAN B. WATSON

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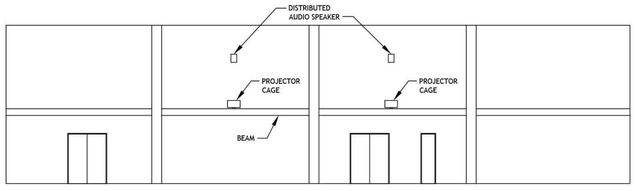
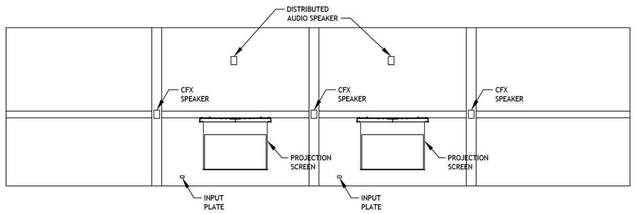


1 ELEVATION LAYOUT - PLAN NORTH
SCALE: 3/32" = 1'



2 ELEVAITON LAYOUT - PLAN SOUTH
SCALE: 3/32" = 1'

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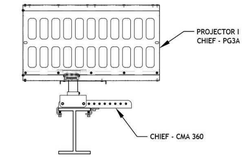
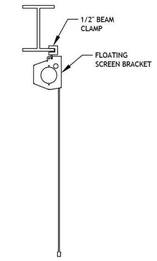
70.00"	40	SSi LOGO PLATE
68.25"	39	POWER CONDITIONER
66.50"	38	POWER CONDITIONER
64.75"	37	1RU BLANK
63.00"	36	SONY - MERA
61.25"	35	2RU BLANK
59.50"	34	2RU BLANK
57.75"	33	EXTRON - DTP CROSSPOINT 108
56.00"	32	RACK INPUT PLATE
54.25"	31	PATCH BAY
52.50"	30	AMX TOUCHPANEL - FG5968-49
50.75"	29	DENON BLURAY - DN-500BD
49.00"	28	DENON AUDIO - DN-300Z
47.25"	27	1RU BLANK
45.50"	26	MOD. ATTL. - 2RU DRAWER
43.75"	25	QSC - CDX 4.5Q
42.00"	24	1RU VENT
40.25"	23	QSC - CDX 4.5Q
38.50"	22	1RU VENT
36.75"	21	QSC - CDX 4.5Q
35.00"	20	1RU VENT
33.25"	19	QSC - CDX 4.5Q
31.50"	18	1RU VENT
29.75"	17	QSC - CDX 4.5Q
28.00"	16	1RU VENT
26.25"	15	QSC - CDX 4.3Q
24.50"	14	1RU VENT
22.75"	13	
21.00"	12	
19.25"	11	
17.50"	10	
15.75"	9	
14.00"	8	
12.25"	7	
10.50"	6	
8.75"	5	
7.00"	4	
5.25"	3	
3.50"	2	
1.75"	1	

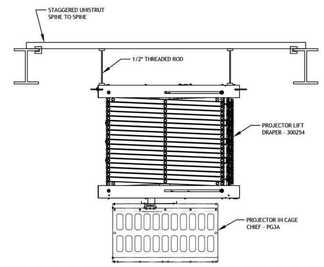
1 RACK ELEVATION
SCALE: HTS



2 PROJECTOR MOUNT DETAIL
SCALE: 1" = 1'



3 SCREEN DETAIL
SCALE: 1" = 1'



4 PROJECTOR LIFT DETAIL
SCALE: 1" = 1'

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Atlanta, Georgia
FOR:
Georgia Institute of Technology

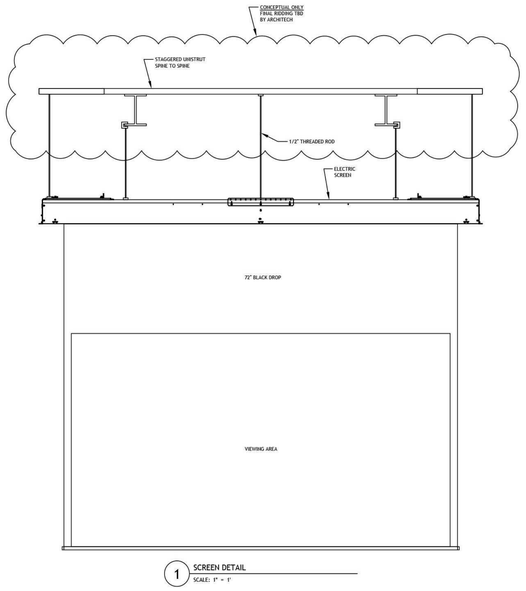
REVISIONS

SHEET TITLE
ELECTRICAL AV SYSTEMS

DATE
08-12-2016

PROJECT NUMBER
16-218

SHEET NUMBER
E9.02



1 SCREEN DETAIL
SCALE: 1" = 1'

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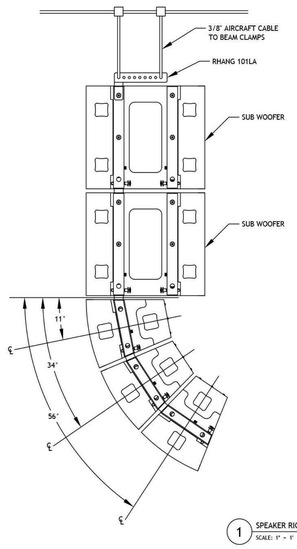
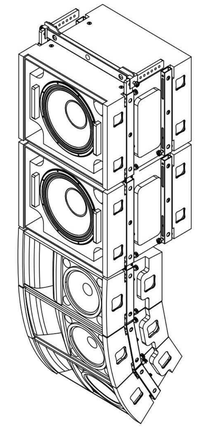
SIDE VIEW



ISOMETRIC VIEW



1 SPEAKER RIGGING DETAIL
SCALE: 1" = 1'

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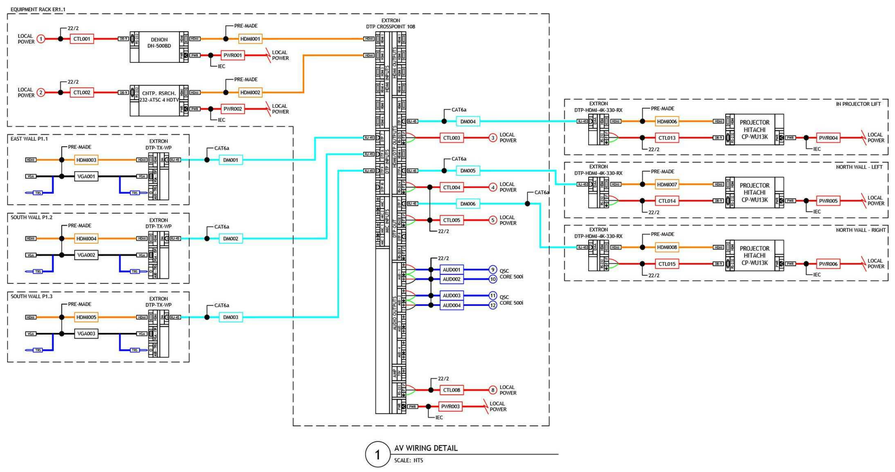

1 AV WIRING DETAIL
SCALE: NTS

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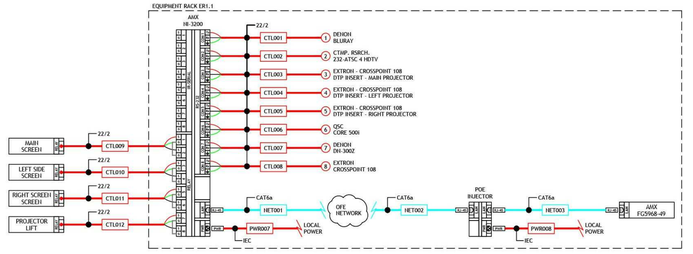
AV2.0



1 CONTROL WIRING DIAGRAM
SCALE: NTS

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ELECTRICAL AV SYSTEMS

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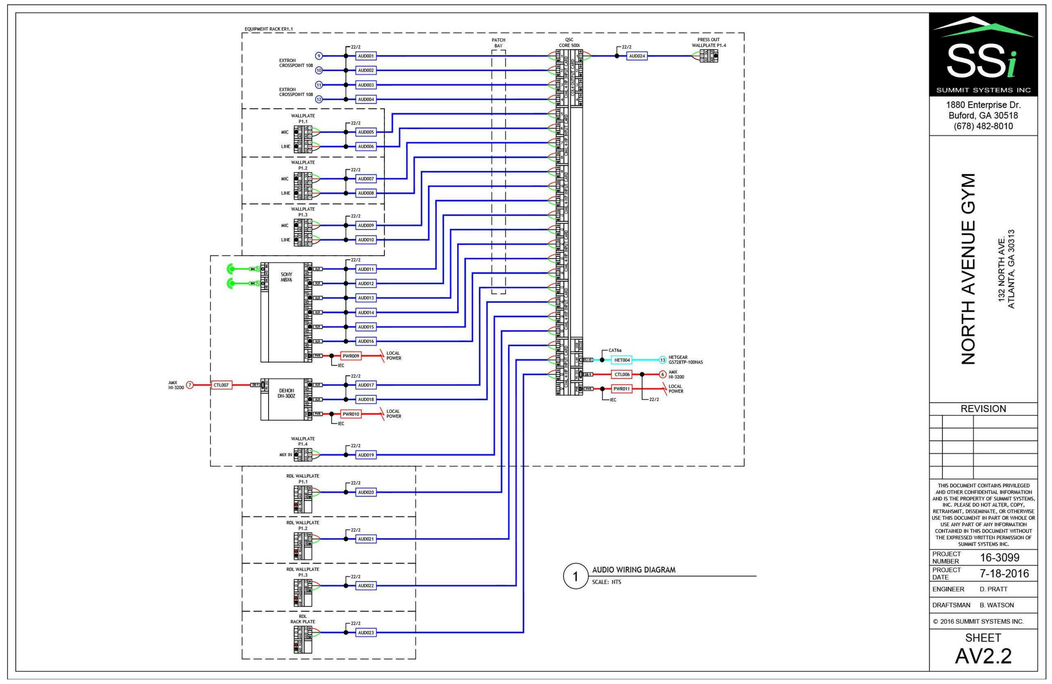
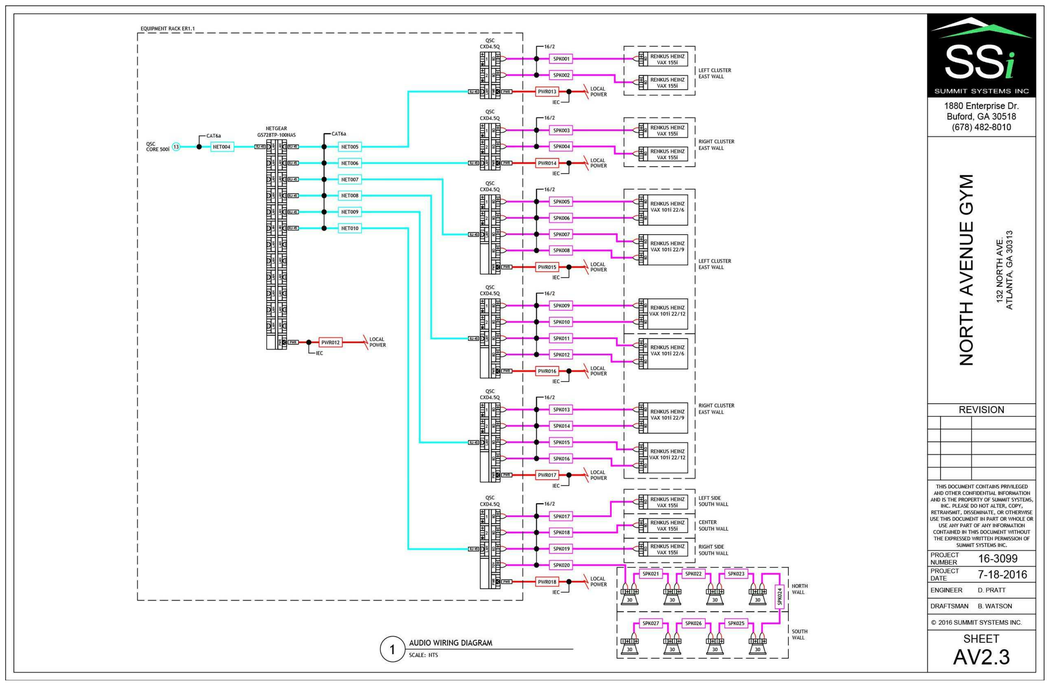
PROJECT NUMBER
16-218

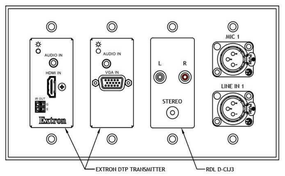
SHEET NUMBER
E9.03



1 AUDIO WIRING DIAGRAM
SCALE: NTS



1 AUDIO WIRING DIAGRAM
SCALE: NTS



1 WALLPLATE DETAIL - P1.1/P1.2/P1.3
SCALE: NTS

2 RACKPLATE DETAIL
SCALE: NTS

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DATE
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16-218

SHEET NUMBER
E9.04