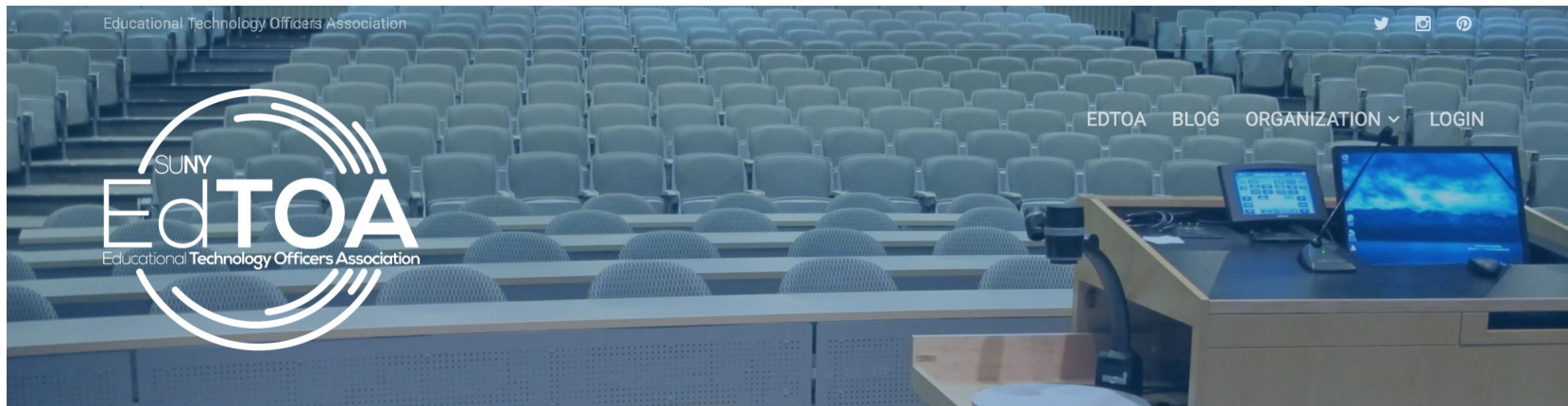


EdTOA Cool Builds

<https://www.edtoa.suny.edu/category/cool-builds/>



Category: Cool Builds

SUNY Geneseo's Synchronous Video Conference Classroom

Fermin Romero :: June 5, 2019

Recently, SUNY Geneseo was tasked to renovate an existing classroom with equipment for web based video conferencing in the Summer of 2017. Specifically there would be Foreign Language classes shared between Brockport, MCC and Geneseo (as part of the Critical Language Consortium). MCC had Pro

Oneonta's Fieldhouse Sound/Projection System

Mark English :: September 13, 2018

Over twenty years ago, Oneonta built a fieldhouse to accommodate a variety of events including various sporting events, concerts, Commencements, Open Houses, and speeches. At the time, the AV department was not consulted about either sound or projection in the space, although almost every event held in there requires one or both. (more...)



SUNY Broome's Casino Vespa

Cool Build Contributors:

Bill Meyers, SUNY Geneseo

Kelly Larrivey, SUNY Onondaga Community College

Andrew Tucci, SUNY Binghamton

Mark English, SUNY Oneonta

SUNY Geneseo

“Zoom Room” for sharing
classes between Geneseo,
MCC and Brockport as part
of the Critical Language
Consortium



Marketing Yourself Online

- You work hard to create a strong resume and in person you're the same for your online image
- Employers will Google your name and look you up on social media
 - Always be conscious of your posts
- Connect with alumni
 - LinkedIn, campus orgs and athletic groups, & networking events on and off campus
- Professional contacts through internships and jobs



GENESEO | Career & Tech Education | 800.745.1234 | www.geneeo.edu



Sources/Costs

HP Micro PC	\$700.00
Sharp 20" Touch Screen Monitor	\$634.00
Logitech Wireless Combo Keyboard	\$33.00
Logitech Connect Conference Camera	\$499.00
Shure Lavalier Wireless Microphone	\$295.00
Shure MX202W/C Hanging Microphone (2)	\$384.00
Tascam US 4x4 4 Input USB Audio Mixer	\$183.00
Total=	\$2728.00

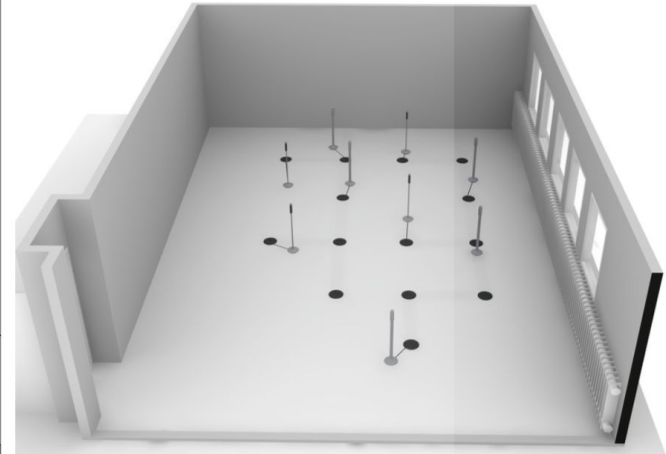




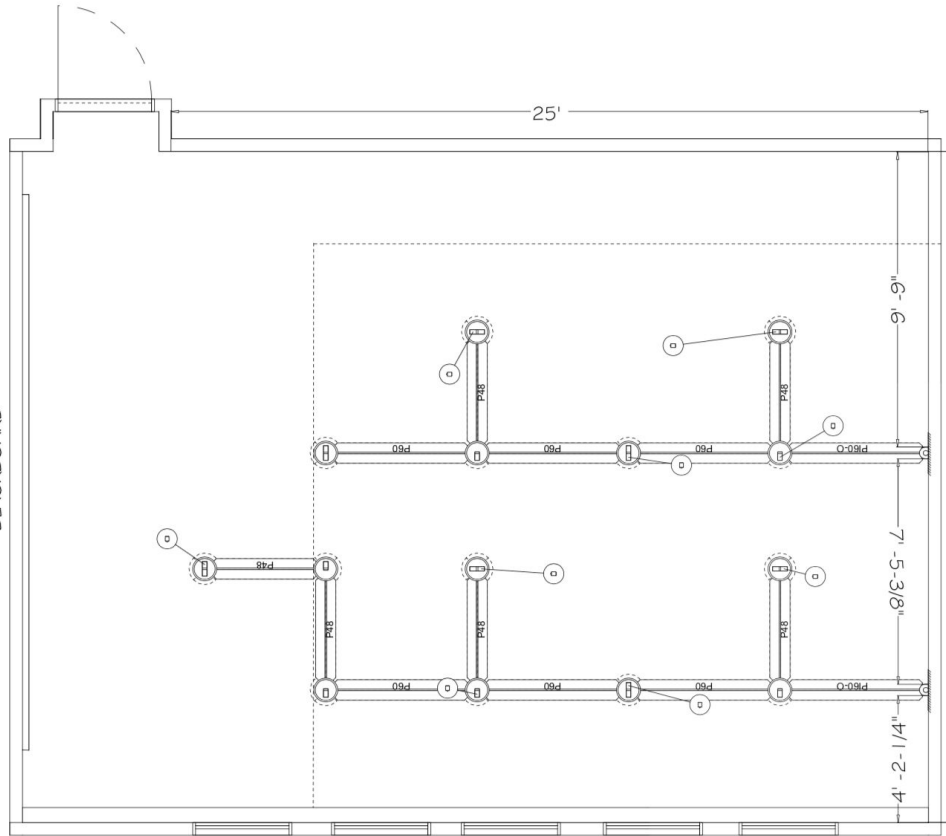
THREAD LAYOUT

STEELCASE NODE DESKS
W/CUP HOLDER, STEELCASE
VERB INSTRUCTOR TABLE,
AND THREAD POWER
SYSTEM. GROUPWORK
TABLE WITH CPU SLING, AND
MOVE INSTRUCTOR CHAIR.

****ALL FINISHES TBD****



FRONT OF CLASSROOM
BLACKBOARD



Scale: 1/4" = 1'

Costs in the Big Picture

Equipment	\$2728.00
Node Chairs and Thread Power Distribution System	\$19371.00
Facilities Installation Charges	\$13000.00
Total=	\$35099.00

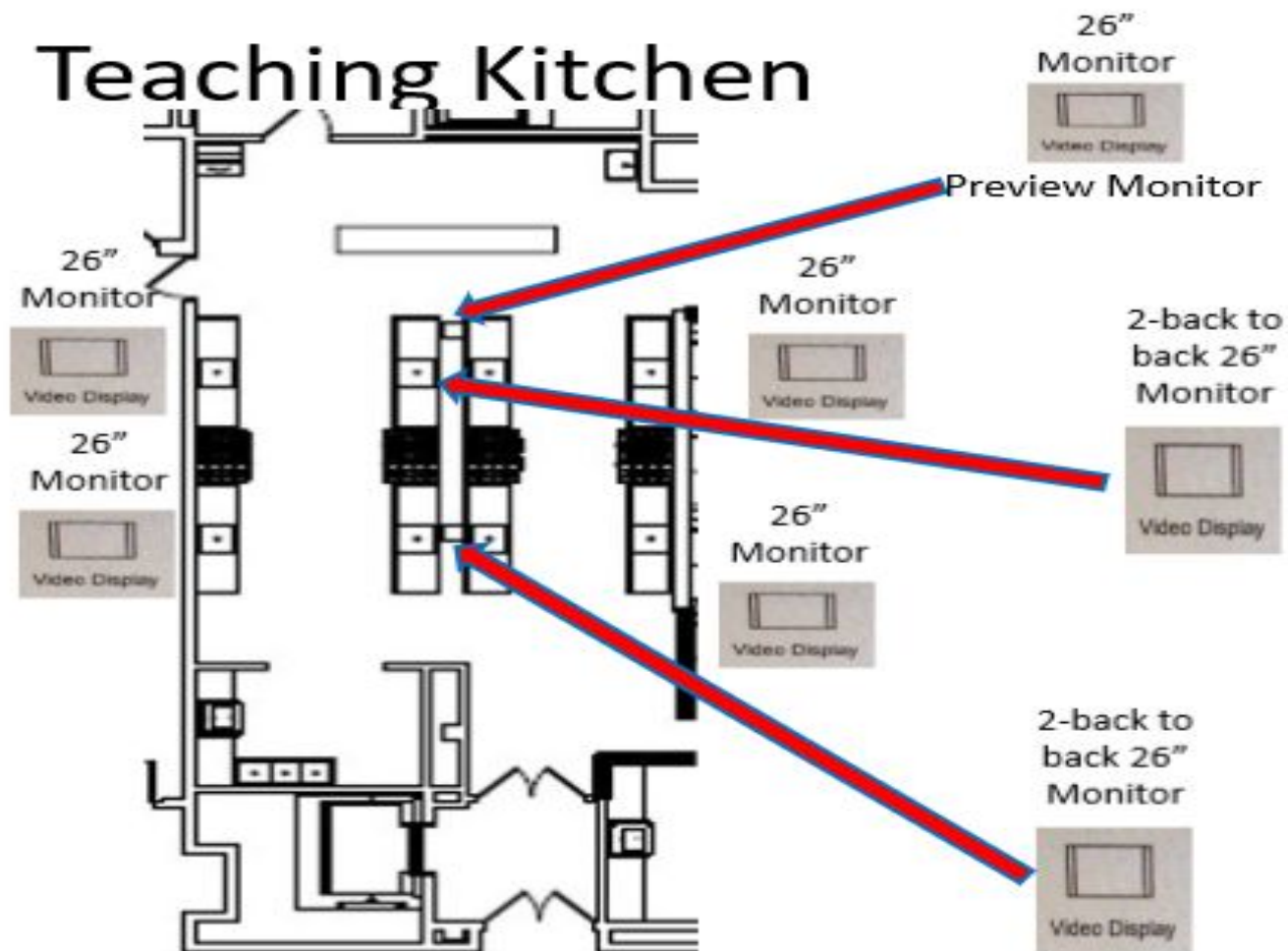
Onondaga Community College

Hospitality Management's Big Makeover

~Kelly Larrivey

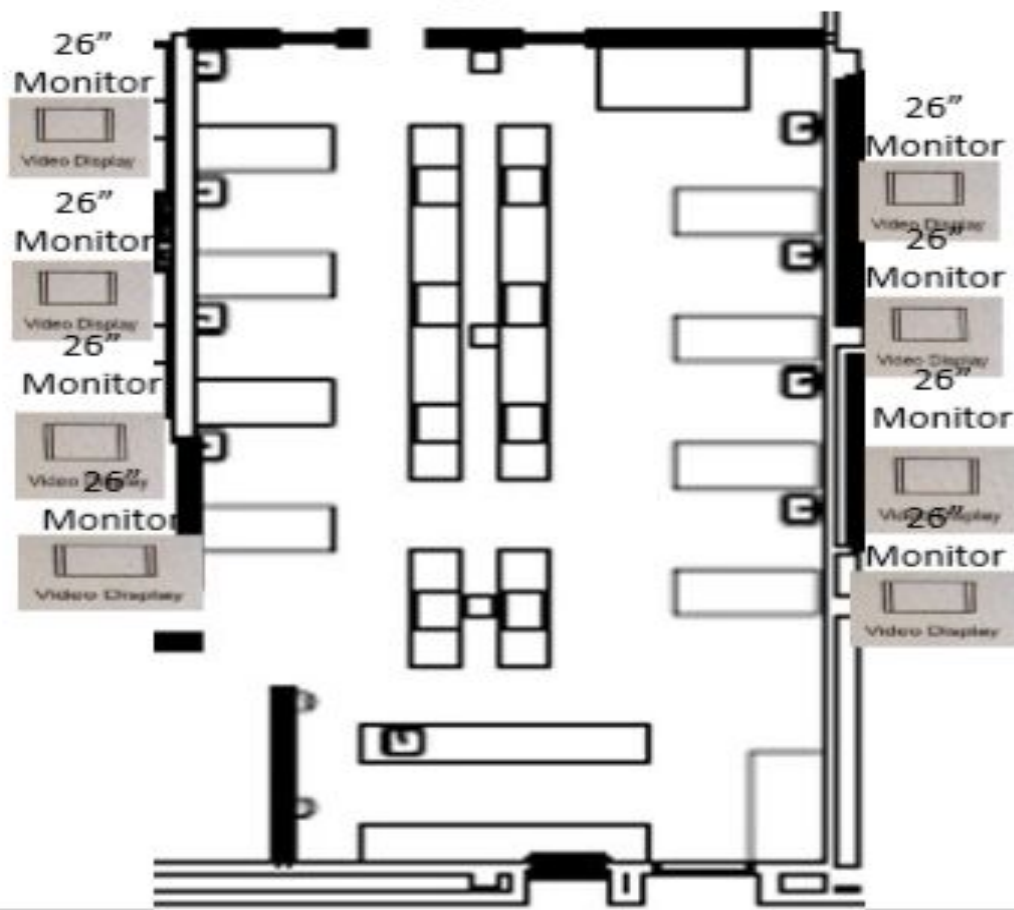
Each monitor location needs power and a 2" conduit for the Cable to the monitor

Teaching Kitchen



Baking Kitchen

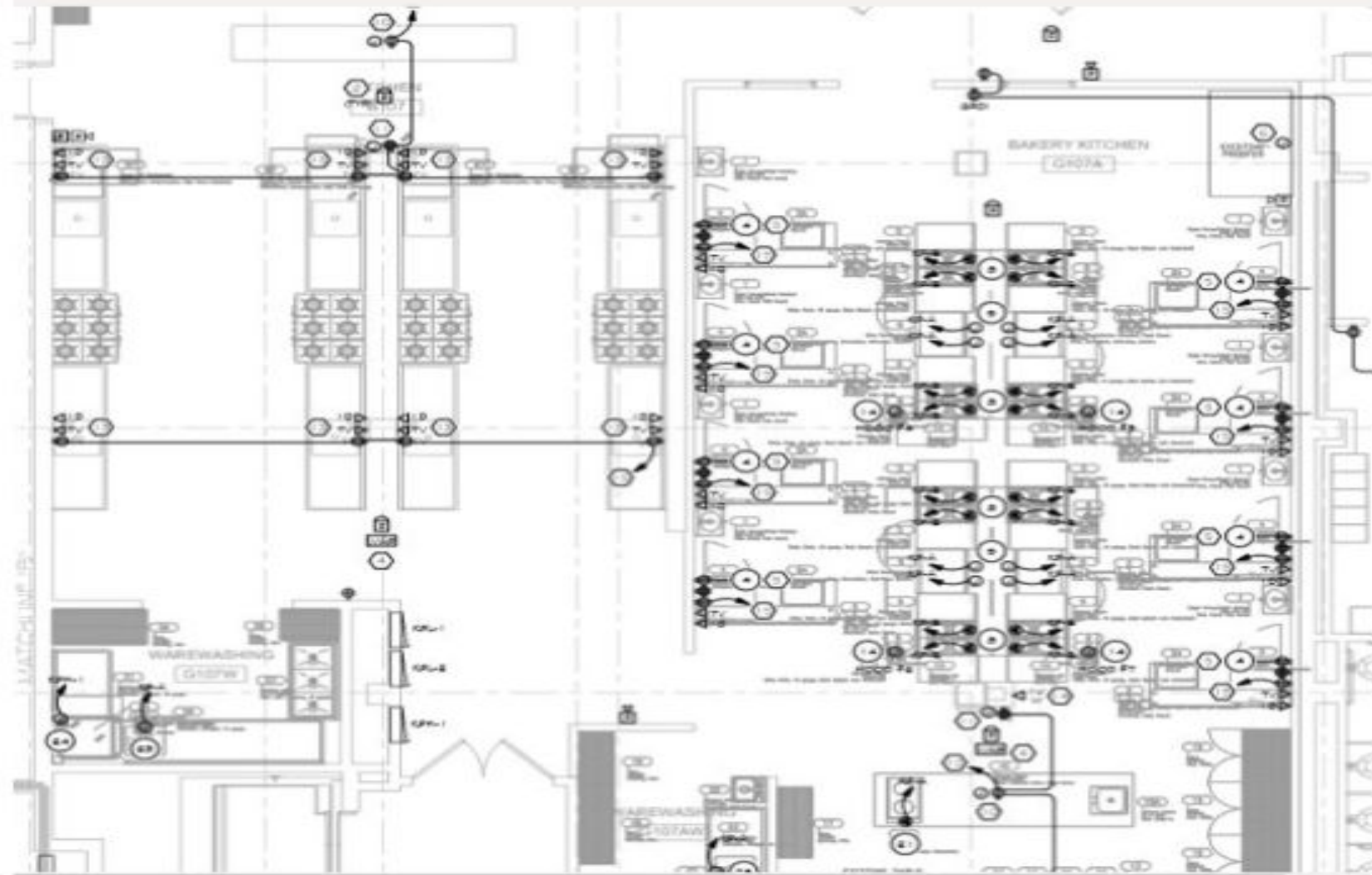
Each monitor location needs power and a 2" conduit for the Cable to the monitor



AV System Budget per kitchen area

(4) (8)	Commercial Grade 42" monitors @ \$600 each	(\$2,400) x 2 rooms
(1)	Preview Monitor @ \$400	(\$ 400) x 2 rooms
(4)	Monitor Enclosures (to protect from heat, dust, smoke etc.) \$600 each	(\$3,000) x 2 rooms
(4)	Mounts for LCDs \$300 each	(\$1,500) x 2 rooms
(1)	PTZ Ceiling camera & Mounting Kit @\$1,300	(\$1,300) x 2 rooms
(1)	Wireless Microphone System @ \$900	(\$ 900) x 2 rooms
(1)	Wolfvision Eye 10/12 \$679	(\$ 679) x 2 rooms
(1)	Data/Video Distribution amplifier \$600 (added screens)	(\$ 600) x 2 rooms
(1)	Extron Basic Control System \$3,500	(\$3,500) x 2 rooms
(1)	Additional LCD Touch Panel Control System	(\$3,000) x 2 rooms
(4)	Ceiling Speakers @ \$150 each	(\$ 600) x 2 rooms
(1)	Audio Amplifier @ \$330 (use from W201)	(\$ 330) x 2 rooms
(2)	Power Strip @ \$200 each	(\$ 400) x 2 rooms
(1)	Middle Atlantic Rack with a couple shelves & plates @ \$750	(\$ 750) x 2 rooms
(1)	Cabling required @ \$1,000	(\$1,000) x 2 rooms
(1)	Wall Plate @ \$150	(\$ 150) x 2 rooms
(1)	Smaller Form Factor Computer	(\$ 780) x 2 rooms
(1)	Wireless Keyboard and Mouse	(\$ 30) x 2 rooms
(1)	Miscellaneous	(\$1,000) x 2 rooms

Total Estimated Cost: \$22,319



Kitchen Equipment purchased per room

- 8 - Samsung 28" monitors (went with larger monitors)
- 1 - Samsung 32" monitor (went with larger monitors)
- 9 - Chief wall mounts
- 1 - Extron IN1604HD; 4 input scaler w/HDMI out
- 1- Extron DTP HD DA8 4K 230 HD to 8 output DTP DA
- 1 - Extron DTP HDMI 230 Tx
- 9 - Extron DTP HDMI Receiver
- 1 - Extron DTP 64; 6x4 ProDSP Processor
- 1- Extron MPA 152 Plus, stereo amp
- 4 - Extron Ceiling SI 3C LP 4" Back Can Speakers
- 1 - Sony HD PTZ Camera
- 1 - Telemetrics Camera Controller (switch)
- 1 - Shure Wireless Lavalier Microphone (do over- rechargeable)
- 1- mini computer, wireless keyboard & mouse
- 1- Middle Atlantic rack

AV System Cost per kitchen area

9 Monitors & Mounts	\$3,775
Extron System (includes speakers):	\$8,230
Sony HD PTZ Camera	\$3,000
Telemetrics Camera Control	\$ 990
Shure PGXD14/85 Lav. System	\$ 400
Middle Atlantic Rack	\$ 700
HP Mini Comp & wireless keyboard/mouse	\$ 850
Cables Wall Plates	\$1,200
AV Corp Installation/Labor	\$6,100
Total AV Cost:	\$25,245 per room

Instructor's monitor

Ceiling Mounted Sony PTZ

Student's monitors



Chief Deb Schneider works as the ceiling mounted camera shows students what she is doing

Student's monitors



Students working at their stations in the bakery kitchen.

Reminders:

- * Get professors input from the beginning – they helped design these areas and they helped tweak the room once they started using it.
- * Train key faculty members, check in on them often in the beginning to make sure they feel comfortable with the technology. Have them train their departments, continue to check in with everyone.
- * Get IT on board from the beginning
- * For more information visit the website:
<https://www.edtoa.suny.edu/a-cool-space-at-onondaga-community-college/>

You know you have done it right, when your AV team
and electrician are eating in the new restaurant



Binghamton University

Freshman Research Immersion (FRI) Lab

~Drew Tucci

6 G

Dual Vertical TVs

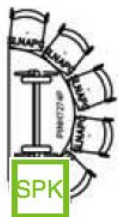
Dual Vertical TVs

Dual Vertical TVs

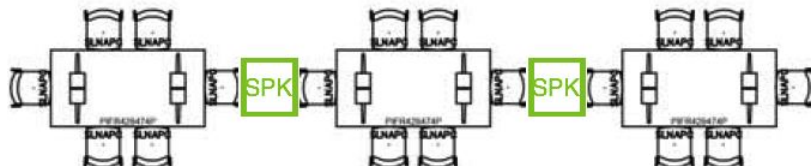
Dual Vertical TVs

Dual Vertical TVs

Dual Vertical TVs



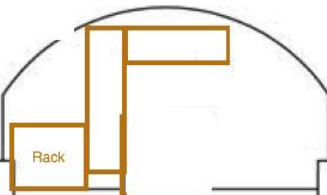
Dual TV's



Dual TV's



Dual Vertical TVs



Dual Vertical TVs



DUAL TV Arlington Box Installation Needs

ceiling grid line

Terminate 120V
power in each box

Instructor
TV

Arlington
Box 1

Student TV

Arlington
Box 2

Conduit connected boxes?
Possibly not needed. Cables
coming from ceiling and going to
each box are plenum and could just
be pulled in wall. Both boxes will
need access to ceiling grid (and
back to rack).

Student Desks

Assumes 30" Table Height

NOT TO SCALE

32" AFF

50" AFF

82" AFF

97"

Floor









Costs

AV:

10, 43" Monitors = \$8,789.00

Av rack, rack items, solstice, shure, doc cam,
microsoft surface, etc. = \$23,845.00

Extron systems = \$48,522.80

10, 65" Cleartouch w/ Win7 blades = \$53,500.00

AV total = \$134,656.80

Facilities:

Renovations, furniture, electric, lighting, paint,
flooring = \$212,900

Room total: \$347,556.80

(Budget of \$350,000)

FRI Phase 2

Asked to add:

~Individual monitor control

~telepresence

~Full mirroring to all 20 monitors

SUNY Oneonta Fieldhouse Sound System





Designer/Consultant – Marshall/KMK Acoustics



Designer/Consultant –
Marshall/KMK Acoustics

Installer –

Presentation Source



Priorities:



Priorities:

- 1) Reliability



Priorities:

1) Reliability

2) Ease of Use



Priorities:

- 1) Reliability
- 2) Ease of Use
- 3) Flexibility



Priorities:

- 1) Reliability
- 2) Ease of Use
- 3) Flexibility
- 4) Voice Intelligibility



Priorities:

- 1) Reliability
- 2) Ease of Use
- 3) Flexibility
- 4) Voice Intelligibility
- 5) Protection

Bleacher Speakers –

2 upper, 2 lower for each set of bleachers



Floor Speakers –

1 for each half of the floor





Basketball

Commencement

Wireless 1

Wireless 2

Volleyball

Full Arena
W/O Bleachers

North Only

South Only

Center Only



-909dB



-100dB

QSC

DSP OUT 1

DSP OUT 2

VIDEO 1

AV DATA 1

VIDEO 2

AV DATA 2



DENON

POWER ON/OFF

Bluetooth

AUX IN

USB

SD

BT

FM

AM

STEREO 1

STEREO 2

STEREO 3

BASS

TREBLE

MASTER

SHURE

SCM262 stereo mixer

CD / USB / SD / AUX / BT / FM / AM

1

2

3

4

5

6

7

8

9

10

11

12

AUDIO I/O

MIC 1 IN

MIC 2 IN

STEREO 3 IN

MIX OUT

PROPERTY OF ATHLETIC DEPARTMENT
Authorized Users ONLY





Results:



Results:

- ▶ Sound Quality

Results:



- ▶ Sound Quality
- ▶ Cost Effectiveness

Results:



- ▶ Sound Quality
- ▶ Cost Effectiveness
- ▶ Ad Hoc Usage

Results:



- ▶ Sound Quality
- ▶ Cost Effectiveness
- ▶ Ad Hoc Usage
- ▶ Decreased Workload

Results:



- ▶ Sound Quality
- ▶ Cost Effectiveness
- ▶ Ad Hoc Usage
- ▶ Decreased Workload
- ▶ Reliability

Takeaways



Takeaways

- ▶ Identify Goals

Takeaways



- ▶ Identify Goals
- ▶ Know Your Limitations

Takeaways



- ▶ Identify Goals
- ▶ Know Your Limitations
- ▶ Cost Effectiveness Justification