

Campus Safety CONFERENCE 2019

Making Campuses Safer — TOGETHER

Electronic Access Control as Part of a Comprehensive Campus Violence/Active Shooter Program: Saddleback College Case Study

Mike Betzler/Lieutenant
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Administrator
Saddleback College, California



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Housekeeping

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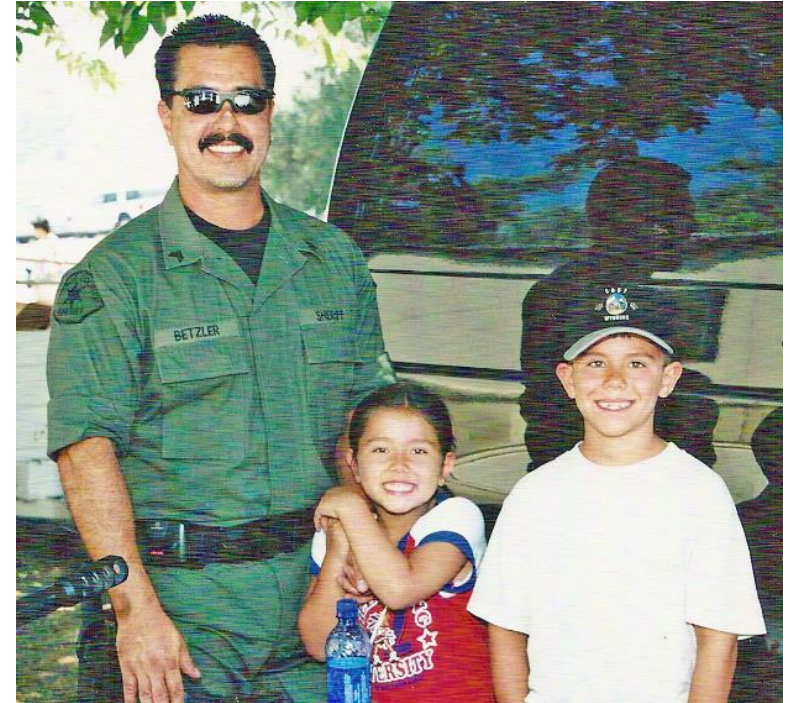
@SPEAKERSTWITTER

#CSC19

#MakingCampusesSaferTOGETHER

Lieutenant Mike Betzler

- Husband and father of 3
- 4 years Saddleback College Police Department
- 30 years Orange County Sheriff's Department
- 11 years SWAT
- 2 years Los Angeles Dodgers
- Law Enforcement/Security Consultant



Robert Ford

- Network Systems Administrator
- 15 years Information Technology – Education Environment
- 5 years Network Security
- 1 year Campus Safety
- Bachelors in Computer Science



Access Control as a Safety System:

Session Takeaways

- Today's Threat
- Access Control as Part of a Comprehensive Plan
- Safety versus Security
- Electronic Access Control
- The Saddleback College Model
- Leveraging Technology
- We're here to help!



Why are we here...?

Colorado STEM school shooting: One dead, 8 injured, 2 in custody

"We chose a small school because we thought they'd be safer, because we thought that everybody would know everybody," one mother of a survivor said.

Multiple students injured in Colorado school shooting

MAY 7, 2019 / 01:32



What Does Today's Threat Look Like...?

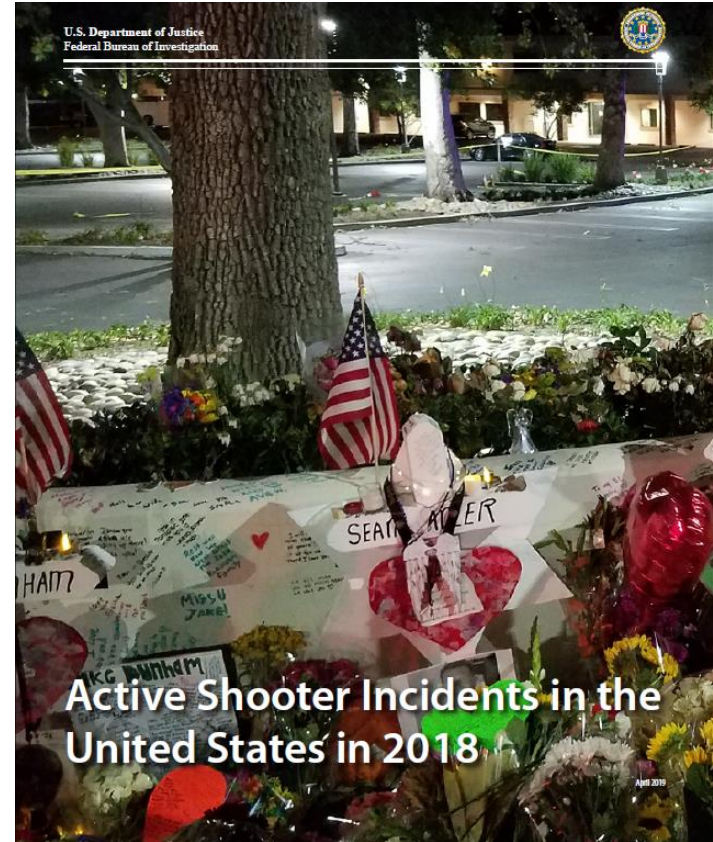


Campus Violence: Active Shooter



FBI: Active Shooter Incidents in the US in 2018

- 27 incidents
- 213 casualties, 85 killed
- 27 shooters
 - 11 apprehended by LE
 - 10 died by suicide
 - 5 killed (4 by police)
- 5 incidents in education environments
 - 29 killed, 52 wounded



Active Shooters in Education:

- University of Texas 1966 – 18 killed, 31 wounded
- Cal State University, Fullerton 1976 – 7 killed, 1 wounded
- Columbine High School 1999 – 15 killed, 21 wounded
- Red Lake High School 2005 – 10 killed, 7 wounded
- Nickel Mines 2006 – 6 killed, 5 wounded
- Virginia Tech 2007 – 32 killed, 17 wounded
- Northern Illinois University 2008 – 6 killed, 21 wounded
- Oikos University 2012 – 7 killed, 3 wounded
- Sandy Hook Elementary 2012 – 28 killed, 2 wounded
- Santa Monica College 2013 – 6 killed, 4 wounded
- UC Santa Barbara 2014 – 7 killed, 14 wounded
- Umpqua Community College 2015 – 10 killed, 9 wounded
- Marjory Stoneman Douglas High School 2018 – 17 killed, 17 wounded
- Santa Fe High School 2018 – 10 killed, 13 wounded



Why is Access Control Important?



Access Control as Part of a Comprehensive Plan

The Plan:

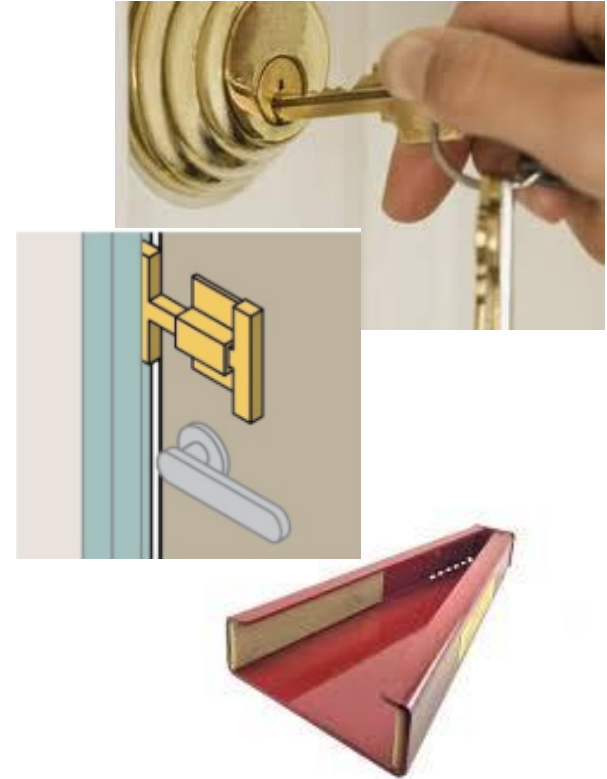
- Preparation
- Response
- Recovery

Access control is only one part of a comprehensive plan...



Access Control:

- What are my options:
 - Mechanical:
 - Electronic Access Control:
- Hardwired Electronic Access Control
- Project Scope
- Integration
- Incremental Implementation



Consider all scenarios/potential downsides...

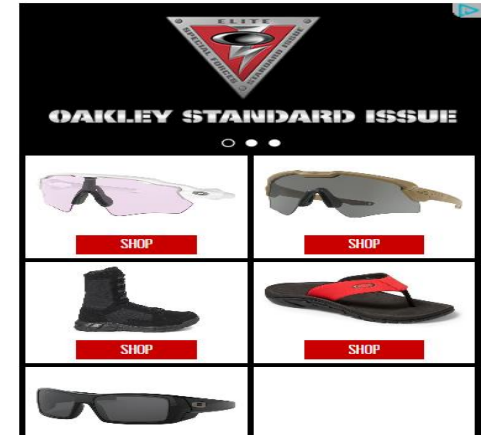


Nation & World

Locked electronic doors slowed police response in Virginia Beach mass shooting



At least 12 people were killed in a shooting in Virginia Beach, Va., on May 31, 2019, and the gunman was fatally shot by responding police, the authorities said.



Electronic Access Control as a Project:

- Project Goals, Standards and Scope
- Progressive Integrated Design
- Build a Winning Team
 - School, College or University
 - Construction Team
 - Can they do the job?
 - Have they/can they do the job as a team...?



Saddleback College, Mission Viejo CA

- Part of South Orange County Community College District
- Approx. 27,000 enrolled, approx. 7,000 FTES
- 200 acres campus
- 48 buildings
- Approx. 1500 doors
- Approx. 1200 users



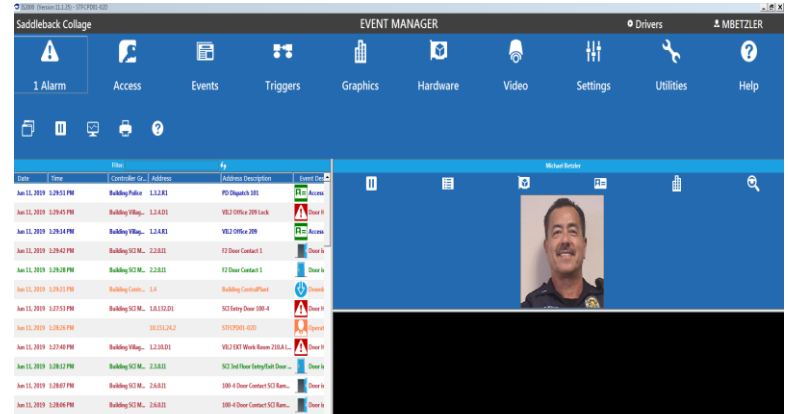
The Saddleback College Model:

- **“Safety System” vs. Security System**
- **If it has a lock, it will be access control**
- **Hard keys will not be issued**
- **Progressive Integrated Design**
- **Full Integration**
- **Lock down capability**
- **Does not restrict egress/1st Responders**



The Saddleback College Model:

- Simple operation
- Access/ID card operates all doors with permission
- Double-tap/toggle feature
- Single button on interior of lock activates emergency lock AND alerts dispatch

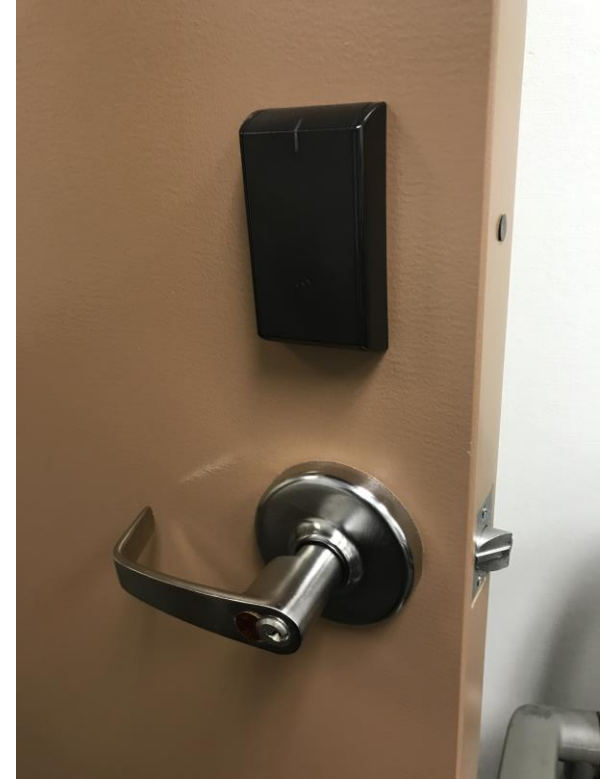


Business and General Studies

Door/Access	Building	Depth/Div	Feature	Global Groups	Notes
(1) Building	(2) Classroom	(3) Depth/Div	(4) Feature	(5) Global Groups	(6) Notes
(1) Building	(2) Classroom	(3) Depth/Div	(4) Feature	(5) Global Groups	(6) Notes
101	X	101	X	X	Room 101
102	X	102	X	X	Room 102
103	X	103	X	X	Room 103
104.1	X	104	X	X	Room 104
104.2	X	104	X	X	Room 104
105	X	105	X	X	Room 105
106.1	X	106	X	X	Room 106
106.2	X	106	X	X	Room 106
107.1	X	107	X	X	Room 107
107.2	X	107	X	X	Room 107
107.3	X	107	X	X	Room 107
107.4	X	107	X	X	Room 107
107.5	X	107	X	X	Room 107
107.6	X	107	X	X	Room 107
107.7	X	107	X	X	Room 107
107.8	X	107	X	X	Room 107
107.9	X	107	X	X	Room 107
107.10	X	107	X	X	Room 107
107.11	X	107	X	X	Room 107
107.12	X	107	X	X	Room 107
107.13	X	107	X	X	Room 107
107.14	X	107	X	X	Room 107
107.15	X	107	X	X	Room 107
107.16	X	107	X	X	Room 107
107.17	X	107	X	X	Room 107
107.18	X	107	X	X	Room 107
107.19	X	107	X	X	Room 107
107.20	X	107	X	X	Room 107
107.21	X	107	X	X	Room 107
107.22	X	107	X	X	Room 107
107.23	X	107	X	X	Room 107
107.24	X	107	X	X	Room 107
107.25	X	107	X	X	Room 107
107.26	X	107	X	X	Room 107
107.27	X	107	X	X	Room 107
107.28	X	107	X	X	Room 107
107.29	X	107	X	X	Room 107
107.30	X	107	X	X	Room 107
107.31	X	107	X	X	Room 107
107.32	X	107	X	X	Room 107
107.33	X	107	X	X	Room 107
107.34	X	107	X	X	Room 107
107.35	X	107	X	X	Room 107
107.36	X	107	X	X	Room 107
107.37	X	107	X	X	Room 107
107.38	X	107	X	X	Room 107
107.39	X	107	X	X	Room 107
107.40	X	107	X	X	Room 107
107.41	X	107	X	X	Room 107
107.42	X	107	X	X	Room 107
107.43	X	107	X	X	Room 107
107.44	X	107	X	X	Room 107
107.45	X	107	X	X	Room 107
107.46	X	107	X	X	Room 107
107.47	X	107	X	X	Room 107
107.48	X	107	X	X	Room 107
107.49	X	107	X	X	Room 107
107.50	X	107	X	X	Room 107
107.51	X	107	X	X	Room 107
107.52	X	107	X	X	Room 107
107.53	X	107	X	X	Room 107
107.54	X	107	X	X	Room 107
107.55	X	107	X	X	Room 107
107.56	X	107	X	X	Room 107
107.57	X	107	X	X	Room 107
107.58	X	107	X	X	Room 107
107.59	X	107	X	X	Room 107
107.60	X	107	X	X	Room 107
107.61	X	107	X	X	Room 107
107.62	X	107	X	X	Room 107
107.63	X	107	X	X	Room 107
107.64	X	107	X	X	Room 107
107.65	X	107	X	X	Room 107
107.66	X	107	X	X	Room 107
107.67	X	107	X	X	Room 107
107.68	X	107	X	X	Room 107
107.69	X	107	X	X	Room 107
107.70	X	107	X	X	Room 107
107.71	X	107	X	X	Room 107
107.72	X	107	X	X	Room 107
107.73	X	107	X	X	Room 107
107.74	X	107	X	X	Room 107
107.75	X	107	X	X	Room 107
107.76	X	107	X	X	Room 107
107.77	X	107	X	X	Room 107
107.78	X	107	X	X	Room 107
107.79	X	107	X	X	Room 107
107.80	X	107	X	X	Room 107
107.81	X	107	X	X	Room 107
107.82	X	107	X	X	Room 107
107.83	X	107	X	X	Room 107
107.84	X	107	X	X	Room 107
107.85	X	107	X	X	Room 107
107.86	X	107	X	X	Room 107
107.87	X	107	X	X	Room 107
107.88	X	107	X	X	Room 107
107.89	X	107	X	X	Room 107
107.90	X	107	X	X	Room 107
107.91	X	107	X	X	Room 107
107.92	X	107	X	X	Room 107
107.93	X	107	X	X	Room 107
107.94	X	107	X	X	Room 107
107.95	X	107	X	X	Room 107
107.96	X	107	X	X	Room 107
107.97	X	107	X	X	Room 107
107.98	X	107	X	X	Room 107
107.99	X	107	X	X	Room 107
108	X	108	X	X	Room 108
109	X	109	X	X	Room 109
110	X	110	X	X	Room 110
111	X	111	X	X	Room 111
112	X	112	X	X	Room 112
113	X	113	X	X	Room 113
114	X	114	X	X	Room 114
115	X	115	X	X	Room 115
116	X	116	X	X	Room 116
117	X	117	X	X	Room 117
118	X	118	X	X	Room 118
119	X	119	X	X	Room 119
120	X	120	X	X	Room 120
121	X	121	X	X	Room 121
122	X	122	X	X	Room 122
123	X	123	X	X	Room 123
124	X	124	X	X	Room 124
125	X	125	X	X	Room 125
126	X	126	X	X	Room 126
127	X	127	X	X	Room 127
128	X	128	X	X	Room 128
129	X	129	X	X	Room 129
130	X	130	X	X	Room 130
131	X	131	X	X	Room 131
132	X	132	X	X	Room 132
133	X	133	X	X	Room 133
134	X	134	X	X	Room 134
135	X	135	X	X	Room 135
136	X	136	X	X	Room 136
137	X	137	X	X	Room 137
138	X	138	X	X	Room 138
139	X	139	X	X	Room 139
140	X	140	X	X	Room 140
141	X	141	X	X	Room 141
142	X	142	X	X	Room 142
143	X	143	X	X	Room 143
144	X	144	X	X	Room 144
145	X	145	X	X	Room 145
146	X	146	X	X	Room 146
147	X	147	X	X	Room 147
148	X	148	X	X	Room 148
149	X	149	X	X	Room 149
150	X	150	X	X	Room 150

The Saddleback College Model:

- Safety system
- Puts safety in the hands of faculty and staff
- Ability to get in front of the threat
- Still provides an excellent “security” system
- Does not play into the hands of a threat
- Scalable over time



The Saddleback College Model:

- Scheduling of locks/unlocks
- Daily reset of locks
- Interface with HR/Active Directory
- College ID is your access card
- Personal accountability
- Security of the college and the system
- Record keeping and reporting



The Saddleback College Model:

- Initial Budget: approx. \$10,000,000 (\$10-Million)
- Current Projected Costs: in excess of \$7,000,000 (over \$7-Million)
- Average cost to retrofit a classroom: \$3485 per door
- Additional costs for head end, licensing, IDFs, switches, emergency power, fiber cabling, etc...
- Don't forget rollout, training, staffing and support...

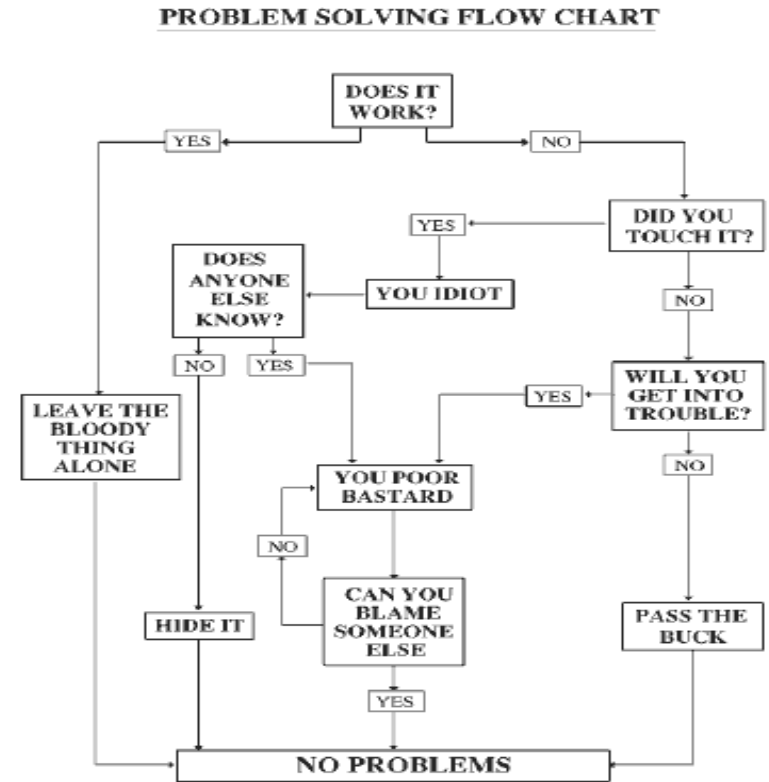
The Saddleback College Model:

- New Construction: \$1600-\$1800 per door for Electronic Access Control hardware over traditional hardware
- Average costs could account for approx. 2-3% increase to the total cost the project
- Construction Standards
 - New construction (8-11% Fire Code, 12-14% ADA)

Leveraging Technology:

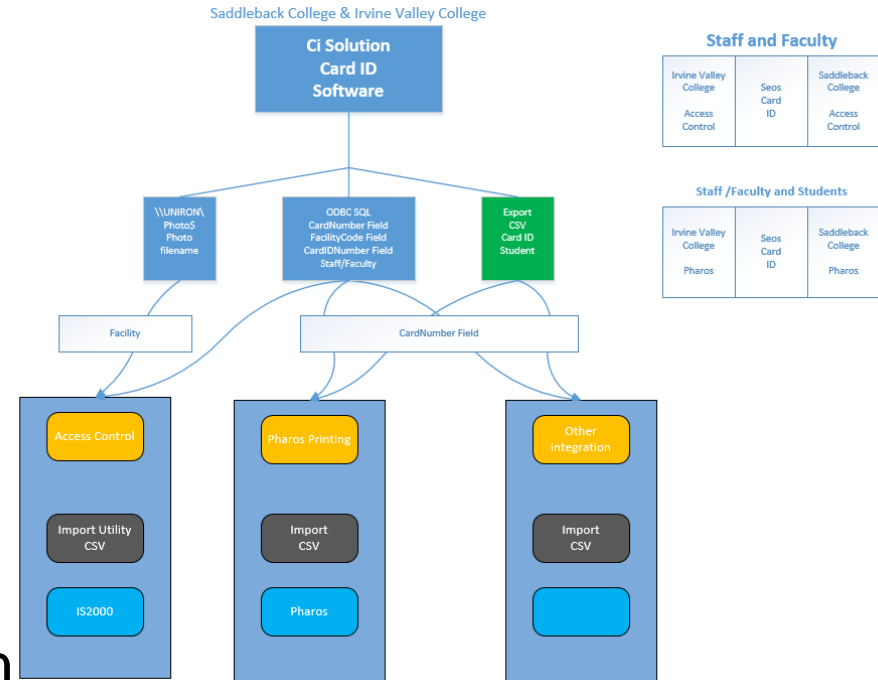
Electronic Access Control is Information Technology - Software meets Hardware

- Integration
- Redundancy



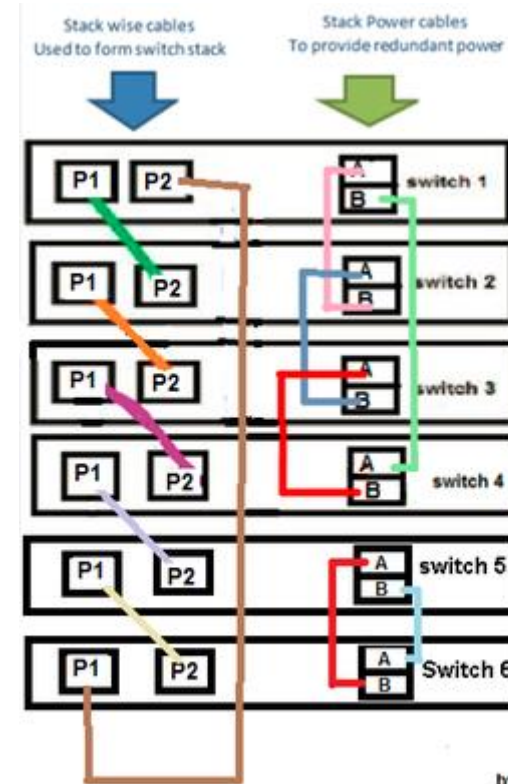
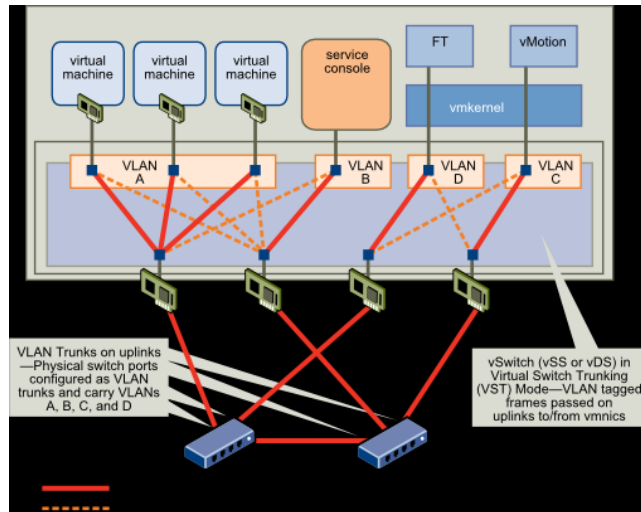
Integration:

- Existing Network
 - Network Switches
 - Power – Power Over Ethernet (POE)
 - Communication
- Employee Identification
- Video Management System



Redundancy:

- Existing Network Infrastructure
- Management Software



by LUVILLA

On the Construction Side:

- Progressive Design Build!
- Team
- Strong Leadership
- Communication
- Minimize Impact to Campus
- Facing Challenges
- On site work



Take aways:

- Do your research/homework!
- Establish clear objectives!
- Build a winning team!
- Commitment and collaboration!
- All entities are at every meeting and come together for every problem!
- Owner representatives must know be knowledgeable and drive the project!



SADDLEBACK
C O L L E G E



Our Team Members: Thank You!!!



EVERY SPACE COUNTS



ALTERNATIVE DELIVERY SOLUTIONS LLC
Consultants -- Owner's Representatives

In Closing...

- If not us, who...?
- If not now, when...?
- We're here to help...
- Questions?



Reminders

- Access to the presentation
- Evaluations
- Social Media

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