Playing Safe:
Cyber Security in a Collaborative Environment

Law Offices of
Carl G. Roberts
Ripped From the Headlines

- Hack Attack Causes ‘Massive Damage’ at Steel Mill
- ‘Internet of Things’ exacerbated Friday’s hack of major websites
- Ransomware on the Rise
- Target Cyber Breach Hits 40 Million Payment Cards at Holiday Peak
- Stuxnet: Computer Worm Opens New Era of Warfare
- Turner Construction Data Breach Exposes Hundreds to Possible Fraud
More Ripped From the Headlines

Hollywood Presbyterian declares emergency after hackers cut off data, demand $3.4 million ransom

Pennsylvania Senate Democrats hacked

Ukraine power cut 'was cyber-attack'

Fighting Back Against Getting Hacked

#BIMForumED @carl110b
Who Is Behind a Cyber Attack?

• It could be ANYONE
  • Nation States
  • “Hactivists”
  • Criminals

• It could be NO ONE
  • Bots, spiders, drones, and zombies
  • Big Data analytics and AI
  • Internet of Things (IoT)

• It could be YOU
  • Security gaps
  • Mistakes
  • Disgruntled employees
What Are They After?

• Money
• Employment records
• Personal financial information
• Confidential, proprietary business information
  • Client, subcontractor, supplier information
  • Project information
  • Bids and proposals
• MONEY
• BIM
  • Mechanical systems
  • Access points
  • Structural details
  • Infrastructure information
• MONEY
How Do They Do It?

• Phish
  • Email
  • Text
• Infected attachments
• Bad websites
• Portable media
• Insiders
  • Real
  • Pretend
Phishing

Dear Customer:

Our record indicate that your verizon e-mail account need to be updated in our data base record.

To update your verizon e-mail account Click verizon data update form

Customer care
© 2017 Verizon.
Consequences

• First Party
  • Data Corruption
  • Delay
  • Cost

• Liability to others
  • Contract provisions
  • Third parties

• Safety

§ 10.2.5 The Contractor shall promptly remedy damage and loss ... to property ... caused in whole or in part by the Contractor, a Subcontractor, a Sub-subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Contractor is responsible ....
Risk Management - Prevention

- Invest in cyber security
  - Risk assessment of systems
  - Compartmentalize data
  - Map and back up your data
  - Implement a data privacy and security program
  - Firewalls
- Access limitations
- Require two-factor identification
- BYOD program
- Employee sensitivity training
- Establish vendor management criteria
Risk Management Resources

• Phishing training/testing
  • http://resources.infosecinstitute.com/ransomware-attacks-on-law-firms/

• Decryption tools
  • https://NoMoreRansom.org

• Information – Computer Security Resource Center
  • http://csrc.nist.gov/
Don’t We Already Have Insurance?

Commercial General Liability
• Damage / inaccessibility to data subject to property damage triggers
• Creative interpretation of ‘publication’ under personal injury coverage

Professional Liability
• 3rd party claims for damages in conjunction with professional services
• Management of a shared BIM

Property Insurance
• Limited coverage for restoration of data destroyed by covered peril
• Exclusions are extensive

Directors & Officers / Executive Risks
• Possible coverage as respects employee information or social engineering
• Scrutinize legal basis for liability
Cyber Insurance – What it Provides

• First Party Coverage
  • Network extortion
  • Business interruption
  • Loss of digital assets
  • Regulatory fines/penalties

• Third Party Liability
• Breach Response/Crisis Management Fund
Cyber Insurance – Buying Coverage

**Insurance Broker**
Choose a broker with depth and experience

**Design Coverage/Services to Meet Your Needs**
Policies are manuscript and constantly evolving

**Prepare for Battle**
Underwriting submission is a critical business presentation

**Security Control Questions**
Be prepared to answer detailed and penetrating questions about your network, your processes, and your people

**Buy Smarter**
Utilize analytics and buy for your budget – whether for ‘worst case scenario’ or the likely outcome
Contact the Presenters

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Reference (pdf – on BIMForum website)

(1) Gain a High Level View of Your Cyber Security; (2) Cyber Insurance Main Coverage Parts

Courtesy of:
James Crifasi, Red Zone Technologies
Linn Foster Freedman, Robinson + Cole
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