i.scott.fabling@att.net

# Consulting and Engineering History Partial Summary List of Large Project

### Coors Brewing Company (30 Day Project – Staff of 8)

**New Data Center Design** – Developing a complete Request for Proposal (RFP) build specification document with associated design specifications, budget and CAD drawings for a new 1,500 sq. ft. data center. The document was integrated into their standard RFP template and presented to general contractors for construction and installation.

# Douglas County Colorado Local Government (6 Month Project – Staff of 9)

eGovernment County Business WEB Reengineering Strategic Planning – Developing a complete Strategic Plan, Budget and Request for Proposal (RFP) project specification to reengineer, design, engineer and implement \$22M global county government business systems – Douglas County, Colorado.

#### **ICG Communications** (22 Month Project – Staff of 5):

**Corporate HQ** – Denver, CO – New Facilities – Novell, Sun, NOC Relocation:

**Design:** Facilities including "Digital Quality" and UPS Power, Outside-/Inside-Physical Cable Plant, Data Center, Systems Integration, Telecommunications, LAN/WAN Network.

**Project Planning & Management:** Facility Construction, Building Preparation, Integration, Installation, Acceptance and Relocation (400-Nodes).

#### Remote Central Offices (CO) – 22-New Facilities Across US:

**Design:** Facilities Inside-Physical Cable Plant, Data Center, Systems Integration, Telecommunications, LAN/WAN Network.

**Project Planning & Management:** Facility Construction, Building Preparation, Integration, Installation, Acceptance and Migration (60-Nodes).

# **Quantum Corporation:**

**Corporate HQ** – San Jose, CA – Design, Planning, PM Installation and Integration of a custom 15-Mile Fiber-Optic Network between Facilities.

**Engineering & Manufacturing** – 3-Facilities Across Colorado (12 Month Project – Staff of 5):

**Design:** Facilities "Digital Quality" and UPS Power, Outside-/Inside-Physical Cable Plant, Data Center, Systems Integration, Telecommunications, LAN/WAN Network.

**Project Planning & Management:** Facility Construction, Building Preparation, Integration, Installation, Acceptance and Relocation 700-Nodes.

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**MSD Mfg. Campus** – Colorado Springs, CO – 5-Building Campus Design and Build (12 Month Project – Staff of 5):

**Design:** Facilities "Digital Quality" and UPS Power, Outside-/Inside-Physical Cable Plant, Data Center, Systems Integration, Telecommunications, LAN/WAN Network.

**Project Planning & Management:** Facility Construction, Building Preparation, Integration, Installation, Acceptance and Relocation (1,500-Nodes).

#### **Adaptec, Inc.** (13 Month Project – Staff of 5):

**Engineering & Support Campus** – Longmont, CO – New 5-Building Campus Design and Build – Novell, Sun, Tandem:

**Design:** Facilities "Digital Quality" and UPS Power, Outside-/Inside-Physical Cable Plant, Data Center, Systems Integration, Telecommunications, LAN/WAN Network.

**Project Planning & Management:** Facility Construction, Building Preparation, Integration, Installation, Acceptance and Relocation (2,000-Nodes).

#### US West - Marketing Resources Group, Inc. (15 Month Project - Staff of 6):

**Corporate HQ** – Englewood, CO – New Facilities – Novell, Tandem:

**Design:** Facilities including "Digital Quality" and UPS Power, Outside-Inside-Physical Cable Plant, Data Center, Systems Integration, Telecommunications, LAN/WAN Network.

**Project Planning & Management:** Facility Construction, Building Preparation, Integration, Installation, Acceptance and Relocation (1,000-Nodes).

# State of California Insurance Fund (SCIF) (18 Month Project – Staff of 23):

**Corporate HQ** – San Francisco, CA – Corporate Data Center – Wang Mini Conversion to 200 Banyan Vines Servers & IBM 3090:

**Design:** Facilities "Digital Quality" and UPS Power, Outside-/Inside-Physical Cable Plant, Data Center, Systems Integration, Telecommunications, LAN/WAN Network.

**Project Planning & Management:** Facility Construction, Building Preparation, Integration, Installation, Acceptance and Migration (200-Servers/1,500-Nodes).

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**Remote Offices** – 33-Facilities Across California:

**Design:** Retrofit of Facilities "Digital Quality" and UPS Power, Outside-/Inside-Physical Cable Plant, Data Center, Systems Integration, Telecommunications, LAN/WAN Network.

**Project Planning & Management:** Facility Construction, Building Preparation, Integration, Installation, Acceptance and Migration (400-Servers/33,000-Nodes).

### Colorado Department of Health (12 Month Project – Staff of 3):

**Department HQ** – Denver, CO – Primary Data Center – Novell, HP and Wang Mini Relocation from 5 Locations:

**Design:** Facilities renovation including "Digital Quality" and UPS Power, Outside-/Inside-Physical Cable Plant, Data Center, Systems Integration, Telecommunications, LAN/WAN Network.

**Project Planning & Management:** Facility Construction, Building Preparation, Integration, Installation, Acceptance and Relocation (2,000-Nodes).

## SpacePort - NASA Kennedy Space Center (12 Month Project - Staff of 4):

**Multiple Facilities** – KSC, FL – 23-Building Network Design & Integration – Novell, Sun:

**Design:** Facilities renovation including "Digital Quality" and UPS Power, Outside-/Inside-Physical Cable Plant, Data Center, Systems Integration, Telecommunications, LAN/WAN Network.

**Project Planning & Management:** Facility Construction, Building Preparation, Integration, Installation, Acceptance and Relocation (200-Nodes).

# Stanford Research Institute (7 Month Project – Staff of 6):

**Corporate HQ** – Mountain View, CA – Primary Data Center – Sun, DEC, HP:

**Design:** Facilities renovation including "Digital Quality" and UPS Power, Outside-/Inside-Physical Cable Plant, Data Center, Systems Integration, Telecommunications, LAN/WAN Network.

**Project Planning & Management:** Facility Construction, Building Preparation, Integration, Installation, Acceptance and Relocation (80-Nodes).

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#### World Bank – International Finance Corp. (16 Month Project – Staff of 4):

**Corporate HQ** – Washington, DC – Primary Data Center – Banyan Vines, Novell, HP - 5 Locations:

**Design:** Facilities renovation including "Digital Quality" and UPS Power, Outside-/Inside-Physical Cable Plant, Data Center, Systems Integration, Telecommunications, LAN/WAN Network.

**Project Planning & Management:** Facility Construction, Building Preparation, Integration, Installation, Acceptance and Relocation (2,500-Nodes).

#### **Denver Public Schools** (22 Month Project – Staff of 5):

**District HQ** – Denver, CO – Refurbished Facilities – Novell, Tandem, Unisys 1100 & A-KS, PBX Relocation:

**Design:** Facilities including "Digital Quality" and UPS Power, Outside-/Inside-Physical Cable Plant, Data Center, Systems Integration, Telecommunications, LAN/WAN Network.

**Project Planning & Management:** Facility Construction, Building Preparation, Integration, Installation, Acceptance and Relocation (60-Nodes).

#### **Remote Schools** – 120-Facilities Across Denver:

**Design:** Retrofit of Facilities "Digital Quality" and UPS Power, Outside-Inside-Physical Cable Plant, Data Center, Systems Integration, Telecommunications, LAN/WAN Network.

**Project Planning & Management:** Facility Construction, Building Preparation, Integration, Installation, Acceptance and Migration (65,000-Nodes).

#### **Lutheran Medical Center** (13 Month Project – Staff of 7):

**Hospital Campus** – Westminster, CO – 7-Building Campus Design and Build – Novell, Sun, DEC:

**Design:** Facilities "Digital Quality" and UPS Power, Outside-/Inside-Physical Cable Plant, Data Center, Systems Integration, Telecommunications, LAN/WAN Network.

**Project Planning & Management:** Facility Construction, Building Preparation, Integration, Installation, Acceptance and Relocation (800-Nodes).

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#### **CBT MacMillan/McGraw-Hill** (12 Month Project – Staff of 5):

**District HQ** – Monterey, CA – Facilities – Novell, HP-UX and IBM 3090 Relocation:

**Design:** Facilities renovation including "Digital Quality" and UPS Power, Outside-/Inside-Physical Cable Plant, Data Center, Systems Integration, Telecommunications, LAN/WAN Network.

**Project Planning & Management:** Facility Construction, Building Preparation, Integration, Installation, Acceptance and Relocation (700-Nodes).

## Shepards/McGraw-Hill (15 Month Project – Staff of 7):

**Corporate HQ** – Colorado Springs, CO – New Facilities – Banyan Vines, Novell, IBM 3090, Amdahl 5870, PBX Relocation:

**Design:** Facilities including "Digital Quality" and UPS Power, Outside-/Inside-Physical Cable Plant, Data Center, Systems Integration, Telecommunications, LAN/WAN Network.

**Project Planning & Management:** Facility Construction, Building Preparation, Integration, Installation, Acceptance and Relocation (1,500-Nodes).

#### Meridian Oil (6 Month Project – Staff of 3):

**Corporate HQ** – Farmington, NM – Refurbish Facilities – Banyan Vines, Novell:

**Design:** Facilities including "Digital Quality" and UPS Power, Outside-/Inside-Physical Cable Plant, Data Center, Systems Integration, Telecommunications, LAN/WAN Network.

**Project Planning & Management:** Facility Construction, Building Preparation, Integration, Installation, Acceptance and Migration (300-Nodes).

# TransWestern Publishing (12 Month Project – Staff of 4):

**Corporate HQ** – San Diego, CA – Refurbish Facilities – Novell, Tandem:

**Design:** Facilities including "Digital Quality" and UPS Power, Outside-/Inside-Physical Cable Plant, Data Center, Systems Integration, Telecommunications, LAN/WAN Network.

**Project Planning & Management:** Facility Construction, Building Preparation, Integration, Installation, Acceptance and Migration (200-Nodes).