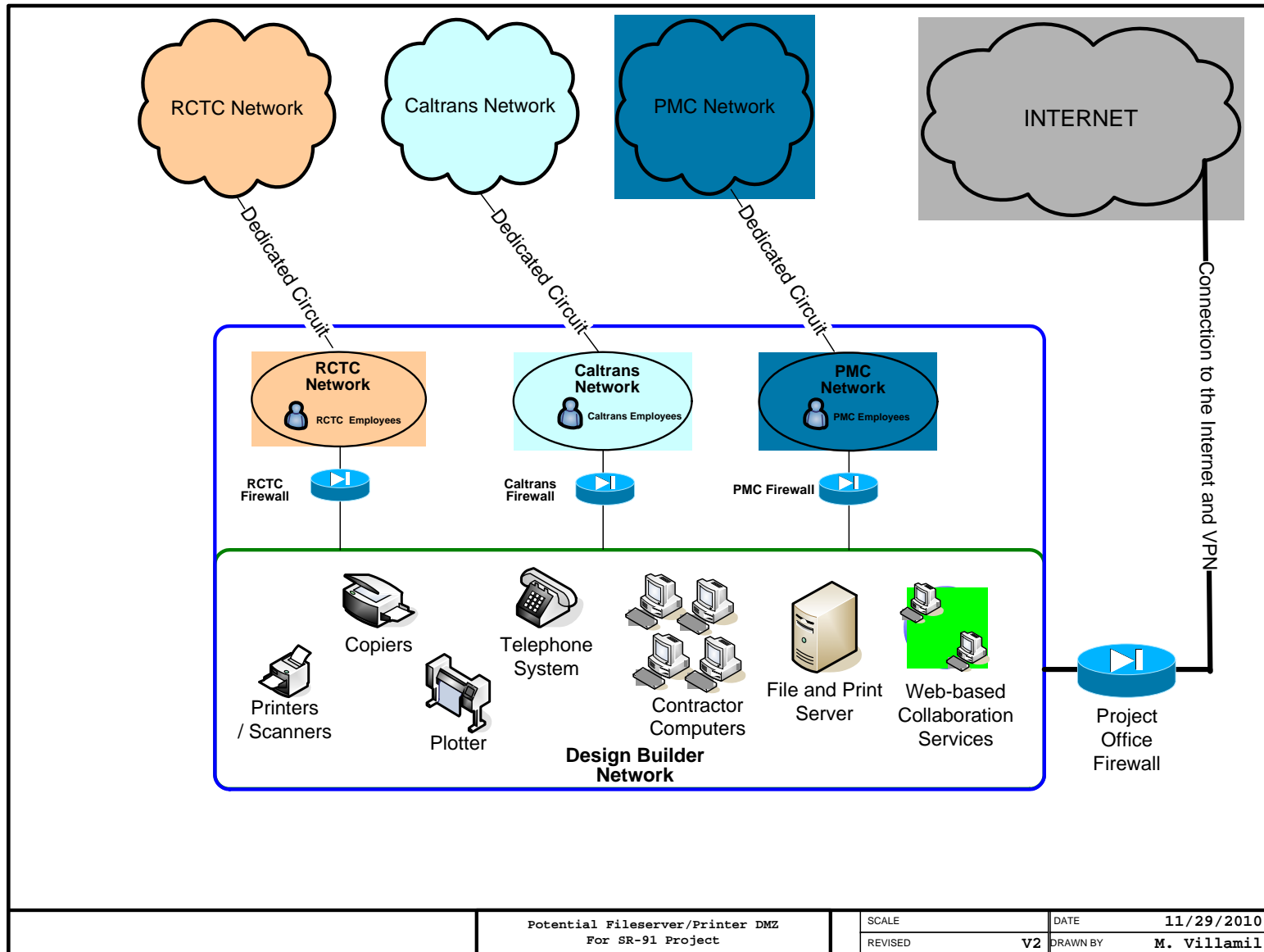


TP ATTACHMENT 2-3 – COMPUTER SYSTEM REQUIREMENTS

COMPUTER SYSTEM DIAGRAM



MINIMUM HARDWARE/OPERATING SYSTEMS REQUIREMENTS

Standard Computer

| Components | Specifications |
|-------------------------|---|
| Processor | Minimum of: 2 cores, 3 GHz clock speed, and 6MB level 2 cache |
| Front Side Bus (FSB) | 1333MHz |
| O/S | Compatible with Windows 7 |
| RAM | 4GB, Non-ECC, 1066MHz DDR3 (2x2GB DIMM) |
| Hard Disk | 1.0 TB SATA 3.0Gb/s and 8MB |
| Video | Integrated graphics media accelerator, high definition video playback, w/DVI adapter card |
| Network Interface (NIC) | 10/100/1000 Gigabit Ethernet, Wireless 802.11a/b/g/n and Bluetooth 2.1 |
| Optical Drive | 16X DVD+/-RW DL SATA |
| Sound | Integrated |
| Warranty | 3 Year Next Day On-site |
| Dimensions | 4.5 x 13.9 x 15.7 |
| Monitor | 24" Digital Flat Panel LCD |
| Keyboard and Mouse | Optical |
| USB 2.0 Ports | 4 on the front and 4 back |
| Media Card Reader | Current Industry Standard |

Standard Laptop

| Components | Specifications |
|--------------------------|--|
| Processor | Minimum of: 2 cores, 2.4 GHz clock speed and 3MB cache |
| O/S | Compatible with Windows 7 |
| RAM | 4.0GB, DDR3-1066MHz SDRAM, 2 DIMMS |
| Hard Disk | 500GB 7200rpm Hard Drive |
| Video | Integrated High Definition Graphics with ExpressCard |
| Expansion Slots | Expresscard/54, 5-in-1 card reader |
| Screen | 14.1" WXGA(1280x800) Anti-Glare LED |
| Network Interfaces (NIC) | 10/100/1000 Gigabit Ethernet, Wireless 802.11a/b/g/n and Bluetooth 2.1 |
| Modem | Optional: External Modem Dongle |
| Optical Drive | Internal 8X DVD+/-RW DL |
| Sound | Integrated |
| Camera | Integrated |
| Microphone | Integrated |
| Pointing Device | Dual-pointing, Pointing Stick, Back-lit keyboard |
| Battery | 6-Cell/60 WHr Primary Battery |
| Carrying Case | Deluxe Nylon Case (2 pocket, up to 15.4) |
| Height | 1.2 inches |
| Width | 13.2 inches |
| Depth | 9.4 inches |
| Weight: | 5.1 lbs w/6-Cell Battery |
| As required / requested | E/Port, Keyboard and Mouse, Monitor Stand, 22" Digital Flat Panel LCD |
| Warranty | 3 Year Next Day Onsite |

Advanced / 3D Modeling Workstation

| Components | Specifications |
|--|--|
| Processor | Minimum of: 4 cores, 2.66 GHz clock speed and 12MB cache |
| Front Side Bus (FSB) | 1333MHz |
| O/S | Compatible with Windows 7 |
| RAM | 4GB, DDR3 Memory, 1066MHz, ECC (4 DIMMS) |
| Hard Disk | 1.0TB SATA 3.0Gb/s,7200 RPM |
| Video | Integrated, GPU: Gigaflops (Single Precision) 486.4, Gigaflops (Double Precision) 243.2, Total Frame Buffer. Memory: 2 GB GDDR5, Memory Interface 256-bit, Memory Bandwidth (GB/sec) 89.6 GB/s Display Support: Dual Link DVI-I - 1, DisplayPort - 2, Digital Outputs – 2, Analog Outputs - 1, Stereo (3-pin Mini-DIN) - 1 (Optional), Maximum Display Resolution Digital @ 60Hz 2560x1600, Active Display Channels – 2, Compatible with 3D Vision/3D Vision Pro |
| Network Interface (NIC) | 10/100/1000 Gigabit Ethernet |
| Optical Drive | 16X DVD+/-RW DL |
| Sound | Integrated HD Audio |
| Size | (W x H x D): 17.64" x 6.73" x 18.54" |
| Warranty | 3 Year Next Day On-site |
| Monitor (Quantity per workstation = 2) | Dual - 24" Digital Flat Panel LCD |
| Keyboard and Mouse | Optical |
| USB 2.0 Ports | 4 on the front and 4 back |
| Media Card Reader | Current Industry Standard |

Mobile (Advanced / 3D Modeling) Workstation

| Components | Specifications |
|---------------------------|--|
| Processor | Minimum of: 2 Cores, 2.4 GHz Clock Speed and 3MB Cache |
| O/S | Compatible with Windows 7 |
| RAM | 4.0GB, DDR3-1066MHz SDRAM, 2 DIMMS |
| Hard Disk | 500GB Hard Drive, 7200RPM |
| Video | Memory: 1 GB GDDR3, Memory Interface - 256-bit, Memory Bandwidth (GB/sec) – 64 |
| Screen | 17" Wide Screen WSXGA+ LCD |
| Network Interfaces (NIC) | 10/100/1000 Gigabit Ethernet, Wireless 802.11a/b/g/n and Bluetooth 2.1 |
| Modem | Optional: External Modem Dongle |
| Optical Drive | Internal 8XDVD+/-RW DL |
| Sound, Camera, Microphone | Integrated |
| Pointing Device/Input | Dual Integrated Touchpad/ Pointing Stick, Internal Backlit English Keyboard microphone |
| Battery | 9-Cell Primary Battery |
| Carrying Case | Large Nylon Carrying Case |
| Height | 1.15" |
| Width | 14.7" |
| Depth | 9.96" |
| Weight: | 8.54 lbs |
| As required / requested | E/Port, Keyboard and Mouse, Monitor Stand, 22" Digital Flat Panel LCD |
| Warranty | 3 Year Next Day Onsite |