

# John A Mills, P.E., LEED AP BD&C

President/Electrical Engineer



#### Education

Bachelor of Science Electrical Engineering, University of Texas at San Antonio, 1995

#### **Professional Licenses**

Texas - 86328

#### Years of Experience

30 years

### Memberships & Affilaitions

IEEE 23 years, SM 2004 NFPA 17 years NSPE 13 Years USGBC LEED AP, 2005 Mr. Mills' experience encompasses a wide range of industrial and electrical systems design covering some 30 years. His experience has encompassed industrial, commercial, healthcare, municipal, federal, hospitality and aviation facilities. Mr. Mills is a senior level designer and performs as design lead and Principal.

### Industrial, Manufacturing, Warehousing

Standard Aero San Antonio, Inc., San Antonio, TX

Plating Facility

Compressor Reworks Cell

Turbine Reworks Cell

Compressor Housing Cell

Compressor Accessory Cell

VAC Furnace Installation

P/S Fuel Control Cell

P/S Electrical Accessory Cell

Compressor Rotor Cell

Turbine Module Cell

Turbine Rotor Cell

PLS Fluorescent Penetrant Line

Ivadizer Installation

AESYS, San Antonio, TX

400HZ Generator B345

B/345 Anti-Ice Study

Levi Strauss Co., Various Locations

Water Tank, Cold Storage Facility, San Antonio, TX

Screen Presses, San Antonio, TX

Steam Presses, Amarillo, TX

Shakers, San Antonio, TX

Trinity Publications Printing Room, Austin, TX

Non Destructive Inspection Facility, B/360, Kelly AFB, Tx

Bausch & Lomb Factory Relocation, Laredo, TX, Nueva Laredo, Mexico

Investigation

Load Analysis

FedEx Ground, Austin, Tx

Addition to Austin Facility

Southwest Research Institute, San Antonio, TX

Valve Test Facility

DPT Pharmaceuticals, San Antonio, Tx

Warehouse, INSCO Distributing, San Antonio, TX

Newell Salvage, San Antonio, TX

Noah Chemical Technologies Warehouse

Reece Supply, San Antonio, TX

Snell Warehouse, San Antonio, TX

Southwestern Bell/AT&T: SEE AT&T Alliance Projects

#### Healthcare

Brooke Army Medical Center Ft. Sam Houston, TX

Linear Accelerator Site Installation

Cancer Therapy and Research Center, San Antonio, TX

Grossman Cancer Center

Northeast Methodist Hospital Physical Therapy Clinic, San Antonio, TX



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Santa Rosa Labor & Delivery Clinic, San Antonio, TX Bassett Army Hospital Study, Fairbanks, AK

University Hospital / Veterans Administration Hospital, San Antonio, TX

Central Energy Plant

University Health System, San Antonio, TX University Center for Community Health Surgical ICU, San Antonio, TX

Wilford Hall Medical Center, Lackland AFB, San Antonio, TX Study & Analysis of Essential Electrical System Feeders

Frisco Medical Office Building, Frisco, TX

Hill Country Memorial Hospital ICU Expansion,

McKenna Village Assisted Living Center, San Antonio, TX Nix Hospital Medical Office Building, San Antonio, TX

Lasik PRK Center, Lackland AFB, San Antonio, TX

Baylor Research Institute BSL3 Lab, Dallas, TX

Baylor College of Medicine, Waco, TX

Select Agent Facility BSL3

Womack Army Medical Center, Fayettville, NC

**Primary Care Clinics Emergency Department** Medical Records

Post Partum Nursing

Windcrest Medical Group, Windcrest, TX

Community Dialysis Center, San Antonio, TX

Santa Rosa Proff Bldg, TFO's: Dr's.Feller, Saegh, Tasker, Orozco, R. Hernandez, Depew.

Radiology Associates, San Antonio, TX

#### Government

GSA, Various Locations

US Post Office & Courthouse Renovations, San Antonio, TX

IDIQ Zone 4, Various Locations

DTSD Lease USPO/CH. San Antonio. TX

Net Zero Study, Columbus Port of Entry, FC Base Columbus, NM

US Department Justice Probations Office, Midland, TX, US Courthouse, Phase 1 & Phase 2

Wood Courthouse Ground Floor Modifications, San Antonio, TX

Replace Air Handling Units Federal Building, San Antonio, TX

Austin Courthouse EMS System, Austin, TX United States Marshall Service, Laredo, TX

Customs and Border Protection Sites

Carrizo Springs, TX

Freer, TX Laredo, TX

Uvalde, TX

U.S. Land Port of Entry Tornillo-Guadalupe Port of Entry

U.S. Land Port of EntryYsleta Port of Entry, El Paso, TX

U.S. Land Port of Entry Juarez-Lincoln Port of Entry

Bridge #2, Laredo, TX

Land Port of Entry Standardized Component Design, Various Locations

Future Stars Child Care Center, Austin, TX US Probations Buildout, US Courthouse, Brownsville, TX US Attorney's Office, US Courthouse, Brownsville, TX

Fitness Center, US Courthouse, Brownsville, Tx

U.S. Marshal Service, U.S. Courthouse, San Angelo, TX

U.S. Land Port of Entry Port Anzalduas, Brownsville, TX

U.S. Land Port of Entry, Presidio, TX Lane Expansion

U.S. Land Port of Entry, Pharr, TX Expand and Upgrade Seizure Vault

U.S. Land Port of Entry B&M, Brownsville, TX

New Seizure Vault

U.S. Land Port of Entry, Del Rio, TX

Repairs and Alterations

U.S. Border Patrol Laredo Sector Headquarters., Laredo, TX **New Administration Building** 

U.S. Land Port of Entry, Eagle Pass, TX **Emergency Generator Upgrade** 

U.S. District Court Pretrial Services Building, San Antonio, TX 5th floor; 7th floor USDA, FSA, & USDA NRC's

U.S. Federal Building/ Social Security Office, San Antonio, TX 7th floor Renovation and Modifications

U.S. Federal Courthouse, Brownsville, TX Interior Space Alterations for a New Fitness Center

Permanent K9 Kennels, USCBP, Uvalde, TX

Diesel Fueling Stations, USCBP, Eagle Pass, TX Fueling Canopy Island, USCBP, Carrizo Springs, TX Ealin AFB. FL

Duke Field Air Force Inns

Lackland AFB, San Antonio, TX

AAFES Branch Exchange/Car Care Center - AFCOMS **Unenlisted Personnel Housing** 

Wilford Hall Medical Center, Study & Analysis of **Essential Electrical System Feeders** 

Randolph AFB San Antonio, TX

Classrooms Relighting Data Processing Center Wee Serve Facility

B/863



## John A Mills, P.E., LEED AP BD&C

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Seguin Branch Solicitation Package San Antonio District Offices Solicitation Package

Fort Sam Houston, TX

Electrical Upgrade HA-2, Infantry Post Correct HVAC Deficiencies, B4196 & B4197

Plattsburgh AFB, NY

**New Commissary** 

Scott AFB. IL

Remodel Bakery

Shaw AFB, SC

Major Capital Renovations

### Commercial

Finch Funeral Home, San Antonio, TX

KVDA T.V. Studio & Primary Broadcast Facility, San Antonio, TX

KVDA Repeater/ Booster Station, San Antonio, TX

La Vernia Bank, La Vernia, TX

San Antonio Spurs Training and Locker Facility, San Antonio, TX

USAA Fuel Transfer Control System, San Antonio, TX

Alamo National Bank Due Diligence, San Antonio, TX

American Payroll-Bldg Renovation, San Antonio, TX

Marks Design Group New Off ce Space, San Antonio, TX

Elsa-Edcouch Fine Arts Bldg., Edcouch, TX

Travis Park Plaza, San Antonio, TX

Hyatt Lease Space at Crockett Building, San Antonio, TX

Crockett Bldg., San Antonio, TX

Chase Bank One, San Antonio, TX

Oak Park Finish Out

American Express, San Antonio, TX

8415 DataPoint Dr. Tenant Finish Out

ATSI Tenant Finishout, San Antonio, TX

Alamo Plaza-Crockett & Palace Building, San Antonio, TX
Tenant Finishout

300 Convent, Transwestern & Bank of America, San Antonio, TX

Fire Alarm and Smoke Control System

Navigant International Reservations Center, San Antonio, TX

Biodynamic Research Corporation, San Antonio, TX

**Test Facility** 

Caremark Call Center, San Antonio, TX

Methodist Ministries, San Antonio, TX

Corporate Office Building

Commissary, Offutt AFB, NE Wee Serve Facility

Commissary, Luke AFB, AZ Wee Serve Facility

Commissary, Peterson AFB, CO

Wee Serve Facility

Commissary, Scott AFB, IL

Wee Serve Facility

Commissary, Minot AFB, ND

Wee Serve Facility

Commissary, Elsworth AFB, SD

Wee Serve Facility

City of San Antonio, San Antonio, TX

Primary Control Center Photovoltaic System for CPS Energy (20kW)

CPS Energy, San Antonio, TX

Northside Customer Service Center (17kW)

Camp Bullis, San Antonio, TX

Readiness Center Major Maintenance

City of Helotes, Helotes, TX

Expansion & Renovation of Municipal Facilities

City of Garden Ridge, TX

City of Garden Ridge Library; Police & Municipal Facilities

City of Austin, Austin, Texas

Spicewood Springs Road Fire/EMS Station

Fort Bragg, North Carolina- Womack Army Medical Center Hospital Alteration

Brooke Army Medical Center Ft. Sam Houston, TX

Linear Accelerator Site Installation

Anderson AFB Guam, Marianas Islands

Commissary Expansion/Renovation

Sheppard AFB, TX

Commissary Expansion/Renovation

Griff ss AFB, NY

Commissary Expansion/Renovation

Osan AFB Seoul, South Korea

Commissary Expansion/Renovation

Kelly AFB San Antonio, TX

Complete Fire Training Facility

Replace and Install Capacitor Banks

U.S. Air Force Non-Destructive Inspection Facility

Prepare Compressed Air Station

U.S. Postal Service ,TX Locations

Airport Mail Facility, San Antonio, TX

San Antonio GMF Power Drops and Air Handlers

Corpus Christi PD&C Lighting and Fire Alarm Upgrades

Terrell Wells (Frank Tejeda) Branch



## John A Mills, P.E., LEED AP BD&C President/Electrical Engineer

USAA "C" Kitchen Refrigeration Replacements
Alamo Rent A-Car, San Antonio Intl Airport

SACU, Ingram Mall Branch, San Antonio, TX

DPT Laboratories, San Antonio, TX
Research & Development Building
Warehouse, Laboratory & Distribution Building

Escondido Golf Club House, San Antonio, TX Clubhouse & Training Center

GPM Tower 200 Ton Chiller Replacement

#### Education K-12

Edcouch/Elsa ISD, Edcouch, TX Fine Arts Building

Llano ISD, Llano, TX

Llano High School Power Systems Study

Jourdanton ISD, Jourdanton, TX

Cafeteria, Library, Renovations

Classroom Additions

Central Catholic High School A/C, San Antonio, TX

Judson ISD, San Antonio, TX New Wagner High School

San Antonio ISD, San Antonio, TX

Woodlawn Hills Elementary
Mark Twain Middle
Brackenridge High School
Thomas Jefferson High School
Thomas Jefferson ROTC Building

Northside ISD, San Antonio, TX

Northside Aquatic Center Solar Water System Baseball and Softball Fields Valley Hi Elementary School NISD Swim Center NISD McClung Transportation Center John Glenn Elementary School

Poteet ISD, Poteet, TX Classroom Buildings

### **Higher Education**

Alamo Colleges (previously ACCD), San Antonio, TX

San Antonio College Child Development Center

Seguir Adelante Community Center

Woman's Center Expansion

Northeast Lakeview College

Fine Arts Building Performing Arts Building Commons Building Library Building Science/Physical Plant Building Palo Alto College

Infrastrucure Expansion Botanical Gardens

St. Philip's Southwest Campus

Manufacturing Technology Laboratory Electrical Upgrade Building 3020 Diesel Laboratory – Student Center Math-Science

Alternative Energy Center for Excellence

Air Coolled Chiller Installation

The University of Texas at Austin, Austin, TX
Almetris Duren Residence Hall

The University of Texas at Austin Marine Sciences Institute, Port Aransas, Tx.

National Estuarine Research Reserve - NERR Headquarters and Laboratory Building Third Floor Administrative Infill

The University of Texas Brownsville, Brownsville, TX

Thermal Energy Plant

Science and Engineering Technology Building

The University of Texas Health Science Center San Antonio, TX

Student Services/Academic and Admin Building Investigate Nature & Cause of Substation Surge Arrestor Failures

South Texas Research Facility - Solar Photovoltaic Power Generating System Medical Building- Parking Canopy & PV System

Texas State University, San Marcos, TX Electrical Master Plan Update

Texas Lutheran University, Seguin, TX Alumni Student Center Krost/Moody Science Building Addition

University of the Incarnate Word, San Antonio, TX Mabee Library Expansion and Renovation

The University of Texas at San Antonio

Wayfinding Signage Master Plan Update

### Public and Municipal

City of San Antonio, San Antonio, TX

Visitor Information Center (Alamo Plaza)
San Antonio Internat'l Airport - SEE "TRANSPORTATION"
Animal Care Facilities - Kennels, Adoption Facilities



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San Antonio International Airport - Jet Bridges, Flight Information Directories, Terminal and Operations Expansions for three major airlines Development Services Center "One Stop"

#### Gardendale Community Center

Great Northwest Community Center, San Antonio, TX

Police Station, Devine, TX

Ronald McDonald House, San Antonio, TX

Southside YMCA, San Antonio, TX

Via Metropolitan Off ces, San Antonio, TX

Henry B. Gonzales Convention Center, San Antonio, TX Interior Administrative Off ce Renovations Lighting Protection System

Guadalupe Blanco River Authority, Blanco, Texas
Administrative Off ce Renovations

GSA US Post Off ce & Courthouse, San Antonio, TX Renovations

City of San Antonio, San Antonio, TX
Primary Control Center Photovoltaic System for CPS
Energy

CPS Energy, San Antonio, TX

Northside Customer Service Center

Camp Bullis, San Antonio, TX

Readiness Center Major Maintenance

City of Helotes, Helotes, TX

Expansion & Renovation of Municipal Facilities

City of Garden Ridge Library, Garden Ridge, Texas Police & Municipal Facilities

City of Austin, Austin, Texas

Spicewood Springs Road Fire/EMS Station

#### **Religious**

Holy Spirit Catholic Church, Expansion, San Antonio, TX John Calvin Presbyterian Church, San Antonio, TX Sacred Heart Church, Von Ormy, Texas

St. Paul's Church, San Antonio, TX

St. Matthew's Catholic Church, San Antonio, TX Administration Building

St. Peter's Catholic Church, Renovation, San Antonio, TX

Trinity United Methodist Church, San Antonio, TX

**Null Administration Building** 

Renovate Chapel, Wilford Hall AMC, Lackland AFB, TX

#### <u>Historic</u>

City of San Antonio (Alamo Plaza), San Antonio, TX Visitor Information Center

Havana Riverwalk Inn, San Antonio, TX (original construction 1914)

Thomas Jefferson High School, San Antonio, TX

Ft. Sam Houston, TX

Infantry Post (original construction 1898) Upgrade Electrical

Crockett and Palace Building Tenant Finishout, San Antonio, TX

GSA Hipolito Garcia US Post Office & Courthouse, San Antonio, TX

The Rosenberg Library, Galveston, TX

Auld House Reconstruction, Botanical Gardens, San Antonio, TX

Briscoe Western Art Museum, San Antonio, TX

Bexar County Courthouse Renovations, San Antonio, TX New Accessible Exterior Ramp and Stair Perimeter Moisture Infiltration Prevention

#### **Hospitality**

Havana Riverwalk Inn, San Antonio, TX La Quinta Inn & Suites Medical Center Hotel, San Antonio, TX Staybridge Suites St. Paul Square, San Antonio, TX Duke Field Air Force Inns, Eglin AFB, FL Best Western, Laredo, TX

Vending Addition & Renovations

Hot Water System Reparis

La Quinta Gerogetown Renovation/Reimage

### Venues

SBC Arena, San Antonio, TX

Ripley's Haunted Adventure, San Antonio, TX

Davey Crockett's Tall Tales, San Antonio, TX

Ed Couch Elsa Fine Arts Center, Ed Couch, TX

Northside Swim Center, San Antonio, TX

Guinness World Records Museum, San Antonio, TX

Movies, Inc., Corpus Christi, TX

Alamodome, San Antonio Spurs Training Facility, TX AlamoDome, Package 15C



Due Diligence, Master Plans, and Studies

Pyramid Building Code Study

Wilford Hall Army Medical Center, San Antonio, TX

Laredo Aero Center Feasability Study, Laredo, TX

Llano High School Power System Study, Llano, TX

Hilton Palacio Del Rio, San Antonio, TX

Texas State University, San Marcos, TX

University of Texas at San Antonio, TX

Bassett Army Hospital, Fairbanks, AK,

Master Plan Update

Master Plan Update

Wayfinding Masterplan

UT Health Science Center, San Antonio, TX

Study and Analysis of Essential System Feeders

Bausch & Lomb Factory Relocation Study, Laredo, TX

Post Office & Courthouse LEED Study, San Antonio, TX

Alamo National Bank Hotel Renovation, San Antonio, TX US

Security Service Credit Union Data Center, San Antonio, TX

Investigation into the Nature & Cause of Surge Arrestor Failures

# Qualifications

## John A Mills, P.E., LEED AP BD&C

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Commissary Renov, Sheppard AFB, Tx Commissary Renov, Griffiss AFB, Rome, NY

Commissary, Scott AFB, II

Bakery

New Commissary, Plattsburg AFB, NY

San Isidro Business Park, Laredo, TX Monument Signage

Independence Plaza, Laredo, TX

Petco Shell

TJ Maxx Shell

Ross Dress for Less Shell

Best Buy Shell

Best Buy Construction Documents Phase 3

Monument Signage

**Ulta Salons** 

Pistol Pete's Pizza, Two Locations, San Antonio, TX

Daiches Jewelers, San Antonio, TX

HEB Grocery Stores Renovtions, San Antonio, TX

See Also: "Wee Serve" Facilities under "Government"

# Eagle Pass Land Port of Entry, Generator Fact Finding

**Retail and Foodservice** 

Greystone Great American History Store, San Antonio, TX Eyemasters Stores, 69 locations in TX, OR and LA

K Mart Corp., Locations in LA and TX

Opah's Greek Food, Ingram Mall, San Antonio, TX

Power Systems Analysis and PDC Study

IBC Bank Building Due Diligence, San Antonio, TX

El Pollo Loco, 2 Locations in San Antonio, TX

Menger Smart Shop, Alamo Heights, TX

Subway Shop at La Cantera, San Antonio, TX

Vino Volo San Antonio International Airport, San

Antonio, TX

La Fiesta Supermarket Upgrades, San Antonio, TX

Subway Shop, St. Mary's University

Menger Smart Shop, San Antonio, TX

Kirtland AFB, Albuquerque, NM

Commissary Lighting Upgrade

Commissary Renov. Shaw AFB, SC

Commissary Renov. Osan AFB, S.

Korea

Commissary Anderson AFB, Guam,

M.I.

Panchito's, San Antonio, Int'l Airport

#### **LEED**

Ysleta U.S. Land Port of Entry, El Paso, TX- Silver

Hipolito Garcia US Post Office & Courthouse, San Antonio, TX-

Platinum

University of Texas Marine Science Institute, Port Aransas, TX-

Gold

Tornillo Guadalupe LPOE, LEED Pending

#### Laboratories

Baylor Research Institute BSL3 Laboratory

Baylor College of Medicine, Select Agent BSL3 Laboratory

University of Texas Marine Science Institute- NERR, Port

Aransas, TX

Thomas Jefferson High School, San Antonio, TX

ACCD Math Science Alternative Energy Center For

Excellence

Trinity University Mars Mclean RF Shielded Physics Labs

### **Transportation**

New Hangar Door, B/375, Kelly AFB, TX

NISD McClung Transportation Center

U.S. Land Port of Entry Presidio Lane Expansion, Presidio, TX

U.S. Land Port of Entry Tornillo, TX

U.S. Land Port of Entry Ysleta, El Paso, TX

U.S. Land Port of Entry, Juarez Lincoln #2 Lane Expansions

Diesel Fuel Stations, USCBP, Eagle Pass, TX

Fuel Canopy and Fueling Island, USCBP, Carrizo Springs, TX

Replace Aviation (Helicopter) Fueling Pump and Tank



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### San Antonio International Airport

Airport Fire Station, SAIA

Airborne Express Air Cargo Terminal

Federal ExpressAir Cargo Terminal

Airport Site Development Package

Delta Airlines Ramp & Operations Renovations

Delta Airlines Jet Bridges Gates 12,13,14, Ticket Offices,

**Baggage Handling Facilities** 

**USAir Gate & Operations Facilities** 

Alamo Rent-A Car Lease

America West Air Cargo Space

Vino Volo Lease

Panchitos Lease

### **Renewables- Photovoltaics**

City of San Antonio Primary Control Center (20kw)

Northside Customer Service Center (17kW), San Antonio, TX

Tornillo- Guadalupe Land Port of Entry (200kw) University of

Univ of Texas Marine Science Institute NERR, Port Aransas, TX

University of Texas Health Science Center, San Antonio, TX

South Texas Research Facility - Solar Photovoltaic

Generating System

Medical Building- PV System

Parking Canopy PV System

#### **Management & Construction Administration Services**

U.S. Marshal Service, O.C Fisher U.S. Courthouse, San Angelo, TX

U.S. Land Port of Entry Anzalduas , Pharr, TX

Technical Review & Inspections, Future Stars Child Care

Center, Austin, TX

U.S. Probations Renovations Phase 1 and Phase 2, Mahon

US Courthouse, Midland, TX

US Land Port of Entry, Tornillo, Fabens, TX

US Land Port of Entry, Ysleta, El Paso TX

Hipolito Garcia US Post Office & Courthouse, San Antonio,

ΤX

Womack Army Medical Center, Fort Bragg, NC

CBP Sector HQ Fusion Center, Laredo, TX

TIMPO (Tri Services) Data Canter Construction Mgt Serv., San Antonio, Tx

# SBC/AT&T Alliance

Mr. Mills completed more that 30 projects for AT&T under an Alliance Agreement. These projects include MEP Prime Professional contracts including building additions, HVAC system upgrades, and generator replacement/upgrades with project budgets ranging from \$100,000 to \$2 million. Projects were primarily in San Antonio and South Texas.

- 1010 N. St. Mary's Fire Safety
- 105 Auditorium 1st Floor External Affairs-Tenant Finishout
- 4119 Broadway, 1st Floor Server Room
- Babcock Collocation
- · Babcock Digital Switch
- Babcock Transport Equipment
- Capital 2nd Floor Power Room
- Capital 221 Collocation (Brooks)
- Capital 221 Collocation (Fibercom)
- Capital 221 Collocation (MCI)
- Culebra "684" Central Offi ce
- Culebra PDSC Power
- Diamond Collocation
- Diamond "342" Central Office
- Diamond EPGN XO Conduit
- Edison Collocation
- Fratt EPGN XO Conduit

- Fratt Collocation MOD
- Fratt Central Office A/C Addition
- Fratt Central Office New Switch
- General McMullen 2nd. Floor switch prep
- Lackland Covad Cageless Collocation (AS174)
- Lehigh Central Office
- Medical Center Collocation Expansion
- New Braunfels Central Office, New Braunfels, TX
- Pershing Collocation
- San Antonio Walnut Central Offi ce
- · Seguin Switch, Seguin, TX
- · Shavano Building Addition
- Taylor Central Office Power Room A/C
- Taylor Collocation MOD
- Taylor Collocation
- · Thousand Oaks Portable Building
- Walnut CO/1st Floor-New Cage for TCG-400
- · Wetmore Collocation Project