

## SUPPORT BUILDINGS *for* POWER PLANTS



### AGATE PROVIDES CERTAINTY OF OUTCOME AGATE SELF PERFORMS:

- A/E DESIGN BUILD OF YOUR PRE-ENGINEERED METAL BUILDING IN ACCORDANCE WITH YOUR SPECIFICATIONS
- AISC CERTIFIED MANUFACTURING OF PRE-ENGINEERED METAL BUILDINGS AND STRUCTURAL STEEL
- CONCRETE AND STEEL ERECTION BY AGATE'S TEAMS INSURES YOUR PROJECT IS ON TIME AND ON BUDGET
- EXPERIENCED, SAFETY CONSCIOUS MANAGEMENT FROM PROJECT CONCEPTION, PLAN PREPARATION, PERMITTING, TURNKEY CONSTRUCTION, THROUGH CERTIFICATE OF OCCUPANCY





## THE AGATE TEAM SPECIALIZES IN TURNKEY SUPPORT BUILDINGS FOR THE POWER INDUSTRY

Agate has been providing quality construction driven by steel since 1973. Agate's experienced team will manage and self-perform key elements of your project from start to finish with a focus on staying on-time, on-budget and with 100 percent safety. Agate's ability to self-perform the design, engineering and manufacturing of your Pre-Engineered Metal buildings makes Agate uniquely qualified to serve you. We also self-perform structural and miscellaneous steel fabrication including mezzanines and steel HRZG penthouses, galvanizing and special steel coatings, concrete, steel erection and selected building finishes when appropriate.

The following pages contain a variety of the Power Plant Support Building projects Agate has completed over the years. For all of these examples, Agate has self-performed the manufacturing of the Pre-Engineered Metal Buildings and associated structural steel, and provided the complete build-out, turnkey finished project ready for occupancy. Contact Agate today for the most economical and time-saving solution for the support buildings on your next project.

### MARK ADAMS

**VICE PRESIDENT & MANAGER, PRE-CONSTRUCTION SERVICES**

**OFFICE- (480) 994-9455**

**MARK ADAMS DIRECT- (480) 850-9106**

**MARK.ADAMS@AGATEINC.COM**

**FAX- (480) 994-4296**

**P.O. BOX 117, SCOTTSDALE, AZ 85252-0117**

**WWW.AGATEINC.COM**

### CORPORATE OFFICES AND MANUFACTURING & FABRICATION FACILITY

**NORTHEAST CORNER OF OAK STREET & COUNTRY CLUB DRIVE  
SCOTTSDALE, AZ 85256**



**Bob LaGanke, Sr. Estimating Manager**  
**Nancy Palmer, Chief Financial Officer**  
**Rick Schmidt, Sr. Business Manager, Construction**  
**Mark Adams, Vice President and Manager, Pre-Construction Services**

#### Agate Inc. Licenses

-  **Arizona**  
AZ A#ROC089261  
B-1#ROC073578
-  **California**  
A, B, C-8#608480  
C51#848356
-  **Guam**  
A & B #6858
-  **Louisiana**  
#50783
-  **Nevada**  
B#0030784
-  **New Mexico**  
#GB98-33626
-  **Oregon**  
OR #164109
-  **Washington**  
AGATE#99707

#### Agate Steel Inc. Licenses

-  **Arizona**  
AZ A-ROC197425,  
B-01ROC197426
-  **California**  
#952062 A, B C-8
-  **Guam**  
CLB08-0347
-  **Hawaii**  
C48 C30967
-  **New Mexico**  
GB98-366979





## TYPICAL SERVICES PROVIDED BY THE AGATE TURNKEY CONSTRUCTION TEAM

**BASED UPON YOUR DESIGN CRITERIA** we provide Architectural and Engineering services to create a complete set of construction documents (complete building plans stamped by our architect and engineers) to achieve local building authority approval.

**WE PROVIDE YOU WITH** a complete submittal package on all of the materials and equipment which we will incorporate into your building after your approval.

**WE PROVIDE STATE-OF-THE-ART** on-site project management of our Scope of Work to include: project management, superintendent, project engineer, QAQC, safety, scheduling and project administration. We will work with you to tailor these services to meet your budget and project demands.

**WE WILL SELF-PERFORM THE FABRICATION** of your Pre-Engineered Metal Building and Structural Steel in our state-of-the-art, AISC Certified steel fabrication facility located on the Salt River Pima-Maricopa Indian community in Scottsdale, AZ. We welcome and encourage you to visit our offices and steel fabrication facility to see the manufacturing of your Pre-Engineered Metal Building and the fabrication of your structural steel.

**WE HAVE THE CAPABILITY OF SELF-PERFORMING** the concrete work on our portion of the project when it makes economical sense to do so.

**WE ALSO ASSEMBLE AND MANAGE THE TEAM** of qualified subcontractors required to perform the various trades needed to provide turn-key construction of your unique project. We have excellent, long-standing relationships with subcontractors across the country. This means certainty of outcome.

**WE WILL WORK WITH YOU TO INSURE** that our Scope of Work meets your desire - enclosed find the Agate Design Build SOP. We will modify this SOP to meet your needs.

► **FOLLOWING SEE THE AGATE DESIGN BUILD SOP**

**OFFICE- (480) 994-9455**  
**FAX- (480) 994-4296**  
**P.O. Box 117, SCOTTSDALE, Az 85252**  
**WWW.AGATEINC.COM**

**CORPORATE OFFICES AND MANUFACTURING AND FABRICATION FACILITY**  
**NORTHEAST CORNER OF OAK STREET & COUNTRY CLUB DRIVE**  
**SCOTTSDALE, AZ 85256**



We manufacture Pre-Engineered Metal Buildings and fabricate structural steel at our AISC Certified Scottsdale facility



Agate self-performs every step of the way, including our own experienced concrete crews



Agate provides value engineering which results in savings of both time and dollars.

*Definition:*

**turn-key** *adj.*

“A job in which the contractor completes all the work and finishing of a building so that it is ready for immediate use.”

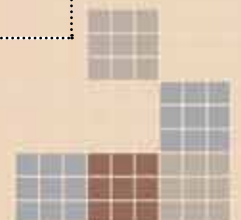
*The Dictionary of Architectural & Construction Terms*





## AGATE POWER PLANT SUPPORT BUILDINGS PARTIAL CLIENT LIST

JOB	YEAR	CLIENT	PROJECT NAME	LOCATION
B8009	2009	Southern California Edison Co.	Mountainview Power Warehouse Addition	Redlands, CA
B8001	2008/2009	Peabody Natural Resource Co.	Peabody Coal El Segundo Mine	Grants, NM
B7020	2007/2008	Kiewit Industrial	Panoche Energy Center	Firebaugh, CA
B7019	2007/2008	Otay Mesa Power Partners	Otay Mesa Power Partners & LA Dept of Water	San Diego, CA
B7015	2007/2008	Kiewit Pacific,	LA Dept of Water & Power Pine Tree Wind Farm	Cantil, CA
B7011	2007/2008	Kiewit Power	Council Bluffs Unit 3	Council Bluff, IA
B7004	2007	ARES, Corp	Clovis Biodiesel Facility	Clovis, NM
B7002	2007	Nooter-Erickson	Sierra Pacific Power - Tracy CC Plant	McCarran NV
B6011	2006/2007	Kiewit Power	LEPP/Louisa Generating Station	Muscataine, IA
B6007	2006/2007	Lockwood-Green	Sierra Pacific Power - Tracy CC Plant	McCarran NV
B6001	2006	GE with Calpine, Inc., acting	GE 7H Inland Empire Energy	Romoland, CA
B5001	2004/2005	Duke/Fluor Daniel	Luna Energy Facility, Phase II	Deming, NM
A4005	2005/2006	Kiewit/Palomar Energy, LLC	Palomar Energy	Escondido, CA
B4019	2004	Calpine	Pastoria Energy Facility	Lebec, CA
B2034	2002	Granite Construction Co.	Panda Gila River	Gila Bend, AZ
B2029	2002	Duke/Fluor Daniel	Luna Energy Facility, Phase I	Deming, NM
B2015	2001/2002	Nepco/Panda Energy, LLC	Panda Gila River	Gila Bend, AZ
B2012	2001/2002	Parsons Energy	Sundance Power	Coolidge, AZ
B2011	2001/2002	Shaw Constructors, Inc.	Harquahala Generating Plant	Tonapah, AZ
B2010	2001/2002	Bechtel Power Corp.	Mountainview Power	Redlands, CA
B3006	2001	Salt River Project	Kyrene Expansion	Tempe, AZ
B1038	2001/2002	Zachry	SLZ Redhawk	Harquahala, AZ
B1017	2000/2002	JV Calpine Corp & Bechtel Power	Delta Power	Pittsburgh, CA
00B033NV	1999-2000	TIC/Calpine	Southpoint	Needles, CA
N/A	1990-1991	The Walsh Company	Colmac Energy	Mecca, CA





## AGATE POWER PLANT SUPPORT BUILDINGS MOUNTAINVIEW POWER REDLANDS, CALIFORNIA

**CLIENT:** Southern California Edison Co.

**COST:** On budget at 270 K, no overruns

**SCHEDULE:** Completed 2009 on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Turnkey construction of a Pre-Engineered Metal Building warehouse addition.

**SERVICES PROVIDED:** General contractor responsible for designing and constructing a warehouse addition for a natural gas fired power plant. Complete interior build out from A/E services through certificate of occupancy. The existing warehouse was occupied and had to remain accessible throughout the job, which added unique challenges to be met.





## AGATE POWER PLANT SUPPORT BUILDINGS PEABODY COAL EL SEGUNDO MINE GRANTS, NEW MEXICO

**CLIENT:** Peabody Natural Resource Co..

**COST:** On budget at 6.75 million, no overruns

**SCHEDULE:** Completed in 2009 on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Pre-Engineered Metal Buildings including Administration, Warehouse, Truck Shop, Wash Bay as well as a Building for an Oil Lube System.

**SERVICES PROVIDED:** General contractor responsible for designing and constructing support buildings for a surface coal mine. Complete interior build out from A/E services through certificate of occupancy.





## AGATE POWER PLANT SUPPORT BUILDINGS PANOACHE ENERGY CENTER FIREBAUGH, CALIFORNIA

**CLIENT:** Kiewit Industrial Co.

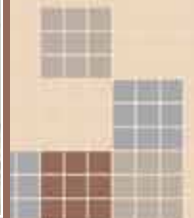
**COST:** On budget at 2 million, no overruns

**SCHEDULE:** Completed 2008 on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Turnkey construction of Pre-Engineered Metal Buildings including housing, administration area, waste water treatment area and battery room.

**SERVICES PROVIDED:** Second tier general contractor responsible for designing and constructing support buildings for a Natural Gas Peaker Power Plant. Build out from A/E services through certificate of occupancy.



AGATE, INC. - P.O. Box 117 SCOTTSDALE, ARIZONA 85252-0117



(480) 994-9455 (480) 994-4296 FAX WWW.AGATEINC.COM

## AGATE POWER PLANT SUPPORT BUILDINGS OTAY MESA POWER PARTNERS SAN DIEGO, CALIFORNIA

**CLIENT:** OMPP - Otay Mesa Power Partners

**COST:** On budget at 2.4 million, no overruns

**SCHEDULE:** Completed 2008 on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Turnkey construction of Pre-Engineered Metal Buildings including admin/warehouse and BOP.

**SERVICES PROVIDED:** Second tier general contractor responsible for designing and constructing support buildings with complete interior buildout including M/P/E services.





# AGATE POWER PLANT SUPPORT BUILDINGS LOS ANGELES DEPT. OF POWER & WATER PINE TREE WIND FARM CANTIL, CALIFORNIA

**CLIENT:** Kiewit Pacific, Inc.

**COST:** On budget at 4.4 million, no overruns

**SCHEDULE:** Completed 2008 on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Turnkey construction of Pre-Engineered Metal Buildings including a Maintenance/Well and House/Lube Shed

**SERVICES PROVIDED:** Second tier general contractor responsible for designing and constructing support buildings for the wind turbine power plant. The extremely remote project site made the project a unique challenge.





## AGATE POWER PLANT SUPPORT BUILDINGS COUNCIL BLUFFS UNIT 3 COUNCIL BLUFFS, IOWA

**CLIENT:** Mid America Energy Co./Kiewit Power

**COST:** On budget at 2.7 million, no overruns

**SCHEDULE:** Completed 2008 on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Turnkey construction of Pre-Engineered Metal Buildings including a lime unloading building, a waste ash blower building, an HVAC shelter and a PCM.

**SERVICES PROVIDED:** Second tier general contractor responsible for designing and constructing support buildings as well as m/e. The tight project site made for a unique set of challenges.





# AGATE POWER PLANT SUPPORT BUILDINGS CLOVIS BIODIESEL FACILITY CLOVIS, NEW MEXICO

**CLIENT:** Clovis Biodiesel LLC

**COST:** On budget at 2.4 million, no overruns

**SCHEDULE:** Completed 2007 on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Turnkey construction of three Pre-Engineered Metal Buildings including Administration/Warehouse and Process Building.

**SERVICES PROVIDED:** General Contractor responsible for designing and constructing support buildings with complete interior build-out from a/e services through Certificate of Occupancy.





## AGATE POWER PLANT SUPPORT BUILDINGS SIERRA PACIFIC POWER TRACY CC PLANT McCARRAN, NEVADA

**CLIENT:** Nooter Erikson

**COST:** On budget at 487 K,  
no overruns

**SCHEDULE:** Completed May, 2007,  
on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Two HRSG Penthouse enclosures - Pre-Engineered Metal Buildings: 57' 8" x 68' 7" x 21' 9".

**SERVICES PROVIDED:** Engineering and manufacturing of Pre-Engineered Metal Buildings, turn-key construction from A/E services through Certificate of Occupancy.

**PROJECT NOTE:** Agate provided the owner with value engineering by adapting the original design to Agate's standard Pre-Engineered Metal Building design – giving the client a significant savings of both dollars and time.



HRZG Penthouse enclosure designed,  
engineered and fabricated by Agate





## AGATE POWER PLANT SUPPORT BUILDINGS LEPP/LOUISA GENERATING STATION MUSCATINE, IOWA

**CLIENT:** Kiewit Power

**COST:** On budget at 1.6 million, no overruns

**SCHEDULE:** Completed May, 2007, on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Pre-Engineered Metal Buildings including a 62' x 146' x 28' Lime Unloading building and a 28' x 40' x 16' 8" Waste Ash Blower building.

**SERVICES PROVIDED:** Design/build, engineering and manufacturing of Pre-Engineered Metal Buildings, turnkey construction from A/E services through Certificate of Occupancy as well as complete interior buildout.





# AGATE POWER PLANT SUPPORT BUILDINGS SIERRA PACIFIC POWER CO. - TRACY CC PLANT McCARRAN, NEVADA

**CLIENT:** Lockwood-Greene

**COST:** On budget at 2.9 million,  
no overruns

**SCHEDULE:** Completed 2007,  
on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Pre-Engineered Metal Buildings including a Warehouse with a breakroom, bathrooms and office, an Administration building with Control Room and offices.

**SERVICES PROVIDED:** Engineering and manufacturing of Pre-Engineered Metal Buildings, turnkey construction from A/E services through Certificate of Occupancy, as well as complete interior buildout.



**PROJECT NOTE:** Agate value engineered the HRZG penthouses and fabricated the steel giving the client a significant savings of both dollars and time.



All engineering and manufacturing of Pre-Engineered Metal Buildings by Agate, including turnkey construction managed by Agate's team of onsite managers





## AGATE POWER PLANT SUPPORT BUILDINGS GE 7H INLAND EMPIRE ENERGY ROMOLAND, CALIFORNIA

**CLIENT:** GE with Calpine Inc., acting construction manager

**COST:** On budget at 5.6 million, no overruns

**SCHEDULE:** Completed May, 2007, 3 months ahead of schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Pre-Engineered Metal Buildings including a 61' x 229' x 24' 2-story Administration/Warehouse and 60' x 182' x 14' Water Treatment.

**SERVICES PROVIDED:** Engineering and manufacturing of Pre-Engineered Metal Buildings, turnkey construction from A/E services through Certificate of Occupancy. Complete interior buildout.



Structural steel mezzanines manufactured and installed by Agate as well as complete interior design and turnkey buildout. Mechanical, Electrical and Control all provided by Agate





## AGATE POWER PLANT SUPPORT BUILDINGS LUNA ENERGY FACILITY DEMING, NEW MEXICO

**CLIENT:** Duke/Fluor Daniel

**COST:** On budget at 1.8 million, no overruns

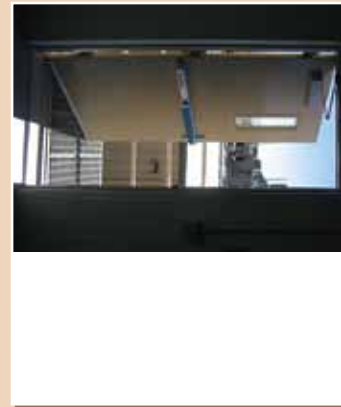
**SCHEDULE:** Completed Aug., 2005, on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Pre-Engineered Metal Buildings including Administration and Warehouse, and F&I of Water Treatment and Pressure Facility.

**SERVICES PROVIDED:** Concrete foundation and slabs, erection of all steel. Engineering and manufacturing of Pre-Engineered Metal Buildings, turnkey construction from A/E services through Certificate of Occupancy as well as complete interior buildout.

**PROJECT NOTE:** Due to the unavailability of subcontractors, Agate self-performed most of the finish trades.





AGATE, INC. - P.O. Box 117 SCOTTSDALE, ARIZONA 85252-0117

(480) 994-9455 (480) 994-4296 FAX WWW.AGATEINC.COM

## AGATE POWER PLANT SUPPORT BUILDINGS PALOMAR ENERGY ESCONDIDO, CALIFORNIA

**CLIENT:** Kiewit/Palomar Energy, LLC

**COST:** On budget at 2.8 million, no overruns

**SCHEDULE:** Completed Feb., 2006, on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Administration, Warehouse, Control, Shop and Water Treatment building with tilt-up concrete walls featuring an Agate designed, engineered and manufactured clear-span Pre-Engineered Metal Roof.

**SERVICES PROVIDED:** Engineering and manufacturing of Pre-Engineered Metal Buildings, turnkey construction from A/E services through Certificate of Occupancy as well as complete interior buildout.

Tilt-up concrete construction provided by Agate





## AGATE POWER PLANT SUPPORT BUILDINGS PASTORIA ENERGY FACILITY LEBEC, CALIFORNIA

**CLIENT:** Calpine

**COST:** On budget at 576 K, no overruns

**SCHEDULE:** Completed Jan., 2004, on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Pre-Engineered Metal Buildings including two Chemical Storage buildings, and erection of Water Treatment and ZLD buildings.

**SERVICES PROVIDED:** Engineering and manufacturing of Pre-Engineered Metal Buildings, turnkey construction from A/E services through Certificate of Occupancy as well as complete interior buildout. Agate also performed construction within existing facilities.





## AGATE POWER PLANT SUPPORT BUILDINGS PANDA GILA RIVER GILA BEND, ARIZONA

---

**CLIENT:** Granite Construction Co.

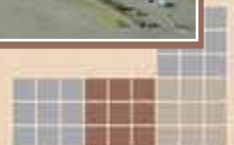
**COST:** On budget at \$488 K, no overruns

**SCHEDULE:** Completed Sept., 2002, on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Pre-Engineered Metal Buildings

**SERVICES PROVIDED:** Engineering and manufacturing of Pre-Engineered Metal Buildings, turnkey construction from A/E services through Certificate of Occupancy as well as complete interior buildout.





## AGATE POWER PLANT SUPPORT BUILDINGS PANDA GILA RIVER GILA BEND, ARIZONA

**CLIENT:** NEPCO/Panda Energy, LLC

**COST:** On budget at 2.78 million, no overruns

**SCHEDULE:** Completed 2002 on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Pre-Engineered Metal Buildings including Administration, Warehouse and Control buildings, two Electric buildings and Zero-Discharge Water Reclamation Plant buildings.

**SERVICES PROVIDED:** Engineering and manufacturing of Pre-Engineered Metal Buildings, turnkey construction from A/E services through Certificate of Occupancy as well as complete interior buildout.





## AGATE POWER PLANT SUPPORT BUILDINGS SUNDANCE POWER COOLIDGE, ARIZONA

**CLIENT:** Parsons Energy & Chemical

**COST:** On budget at 2.29 million, no overruns

**SCHEDULE:** Completed March, 2002, on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Five Pre-Engineered Metal Buildings

**SERVICES PROVIDED:** Concrete foundation and erection. Engineering and manufacturing of Pre-Engineered Metal Buildings, turnkey construction from A/E services through Certificate of Occupancy as well as complete interior buildout.





# AGATE POWER PLANT SUPPORT BUILDINGS HARQUAHALA GENERATING PLANT TONOPAH, ARIZONA

**CLIENT:** Shaw Constructors, Inc.

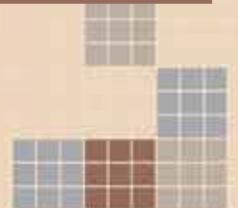
**COST:** On budget at 1.79 million, no overruns

**SCHEDULE:** Completed Sept., 2002, on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Pre-Engineered Metal Buildings including a Service Building with Control Room, Offices, Maintenance Shop and Warehouse, Cooling Tower, Chemical Feed Buildings, Firewater Pump House and Water Treatment Buildings.

**SERVICES PROVIDED:** Engineering and manufacturing of Pre-Engineered Metal Buildings, turnkey construction from A/E services through Certificate of Occupancy as well as complete interior buildout.





## AGATE POWER PLANT SUPPORT BUILDINGS MOUNTAINVIEW POWER PROJECT REDLANDS, CALIFORNIA

**CLIENT:** Bechtel Power Corp.

**COST:** On budget at 1.328 million, no overruns

**SCHEDULE:** Agate's portion of the work was completed Aug., 2002, on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Pre-Engineered Metal Buildings including Administration with Control Room and Offices, and Pumphouse/Warehouse building.

**SERVICES PROVIDED:** Engineering and manufacturing of Pre-Engineered Metal Buildings.



AGATE, INC. - P.O. Box 117 SCOTTSDALE, ARIZONA 85252-0117



(480) 994-9455 (480) 994-4296 FAX WWW.AGATEINC.COM

## AGATE POWER PLANT SUPPORT BUILDINGS KYRENE EXPANSION PROJECT TEMPE, ARIZONA

**CLIENT:** Salt River Project

**COST:** On budget at 970 K, no overruns

**SCHEDULE:** Completed Dec., 2002, on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Pre-Engineered Metal Buildings including 13,000 s.f. Administration/Warehouse building with a mezzanine and a 450 s.f. Chemical Lab.

**SERVICES PROVIDED:** Engineering and manufacturing of Pre-Engineered Metal Buildings, turnkey construction from A/E services through Certificate of Occupancy as well as complete interior buildout.





AGATE, INC.- P.O. Box 117 SCOTTSDALE, ARIZONA 85252-0117

(480) 994-9455 (480) 994-4296 FAX WWW.AGATEINC.COM

## AGATE POWER PLANT SUPPORT BUILDINGS REDHAWK POWER HARQUAHALA, ARIZONA

**CLIENT:** Zachry

**COST:** On budget at 2.9 million, no overruns

**SCHEDULE:** Completed June, 2002, on schedule

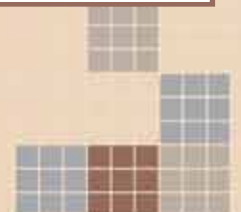
**SAFETY:** 100% accident-free

**DESCRIPTION:** 10 Pre-Engineered Metal Buildings including: Control/Administration - 16,000 s.f. with full buildout; Maintenance Shop/Warehouse - 9,000 s.f. with bridge, crane, offices and full buildout; Water Treatment building - 11,000 s.f. with a chemical lab; seven other buildings from 400 - 1600 s.f.

**SERVICES PROVIDED:** Engineering and manufacturing of Pre-Engineered Metal Buildings, turnkey construction from A/E services through Certificate of Occupancy as well as complete interior buildout.



Attractive stucco finish was applied to Agate's Pre-Engineered Metal Buildings





## AGATE POWER PLANT SUPPORT BUILDINGS DELTA ENERGY CENTER PITTSBURGH, CALIFORNIA

**CLIENT:** Joint Venture of Calpine Corp.  
& Bechtel Power Corp.

**COST:** On budget at 3.3 million, no overruns

**SCHEDULE:** Completed July, 2002, on schedule

**SAFETY:** 100% accident-free

**SERVICES PROVIDED:** Engineering and manufacturing of Pre-Engineered Metal Buildings, turnkey construction from A/E services through Certificate of Occupancy. Concrete foundation. Erection. Complete interior buildout.

### DESCRIPTION

- ① MAINTENANCE WAREHOUSE BUILDING
- ② ADMINISTRATION / CONTROL BUILDING
- ③ WATER TREATMENT BUILDING
- ④ BOILER FEED PUMPS BUILDING
- ⑤ FUEL GAS COMPRESSOR BUILDING
- ⑥ STANDBY GENERATOR BUILDING
- ⑦ SWITCHGEAR BUILDING

All of the Pre-Engineered Metal Buildings on this project feature cost effective galvanizing of structural steel.





## AGATE POWER PLANT SUPPORT BUILDINGS SOUTH POINT NEEDLES, CALIFORNIA

**CLIENT:** TIC for Calpine Energy

**COST:** On budget at 797 K, no overruns

**SCHEDULE:** Completed 2000, on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Pre-Engineered Metal Buildings.

**SERVICES PROVIDED:** Concrete Foundation and erection. Engineering and manufacturing of Pre-Engineered Metal Buildings, turnkey construction from A/E services through Certificate of Occupancy as well as complete interior buildout.



Featuring attractive architectural treatments as designed by the client and implemented by Agate



AGATE, INC.- P.O. Box 117 SCOTTSDALE, ARIZONA 85252-0117



(480) 994-9455 (480) 994-4296 FAX WWW.AGATEINC.COM

## AGATE POWER PLANT SUPPORT BUILDINGS COLMAC ENERGY MECCA, CA

**CLIENT:** The Walsh Company

**COST:** On budget at 2 million, no overruns

**SCHEDULE:** Completed 1991, on schedule

**SAFETY:** 100% accident-free

**DESCRIPTION:** Pre-Engineered Metal Buildings.

**SERVICES PROVIDED:** Engineering and manufacturing of Pre-Engineered Metal Buildings, turnkey construction from A/E services through Certificate of Occupancy as well as complete interior buildout.



Featuring screening of the towers with metal panels by Agate





## AGATE SOP FOR DESIGN BUILD PROJECTS

---

Agate Pre-Construction Services (PCS) receives sketches, conceptual drawings, written guidelines, specifications, etc. from the Client. The aggregate of this information will be called the Client's Program. Agate PCS will provide the Client with a Budgetary and Conceptual Proposal for the scope of work which they determine is represented by the Client's Program.

Agate PCS will, for an agreed upon design fee, continue to assist the Client in the development of a design, scope of work, price, construction schedule, etc. The project design will evolve over a period of time via verbal communication, all types of written communications, sketches, photographs, etc. All of this information is documented in a reasonable manner. When a meeting of the minds occurs a contract is executed.

After the contract is executed, Agate PCS will provide the Agate Design Team, directed by the Project Architect with all of the information gathered up to the time of contract execution. Using this information, the Project Architect will complete the design & construction documents. The Project Architect will submit this completed design, via Agate, to the Client for the Client's review and approval. The design and construction documents shall supercede the Client's program. If changes are desired by the Client then Agate PCS, the Project Architect and the Client will work through the changes and modify the price, schedule and construction documents to reflect the new scope of work. These changes will be summarized in a Change Order, agreed to and executed by all parties.

The Client and Project Architect will submit the construction documents to the local permitting authority for permit. If the permitting authority requires changes in the construction documents because they do not meet the building code requirements in effect at the time of contract execution, Agate and the Project Architect will make the changes necessary to the construction documents at no cost to the Client. If the Client or permitting authority or other reviewing parties request that changes be made to the construction documents which are not required by the building code in effect at the time of contract signing, then Agate will make the changes. Agate will document the changes as to price and schedule and submit this information to the Client for his written approval, execution of a Change Order and authorization to proceed.

The permitting authority will review and issue the permit. The time required by the permitting authority to review and issue the building permit is not guaranteed, nor is it the responsibility of Agate. Permit fees are paid by the Client. If the review period assumed is more or less than the actual period, the schedule will be adjusted accordingly.

► **CONTINUED NEXT PAGE**





► **CONTINUED - AGATE SOP FOR DESIGN BUILD PROJECTS**

The Approved for Construction, permitted construction documents, will be given by the Project Architect and the client to the Agate Operations Manager and his construction team will build per these construction documents. The construction documents will represent the entire scope of work and supercede and replace the Client's Program and all other design information gathered during the pre-construction design phase of the project. The permitted construction documents shall become the only set of documents upon which the contract is based. Agate will build the job according to the permitted construction documents. If the Client directs changes to the design after permitting authority approval, then Agate will make the changes to the design and construction documents and re-submit to the permitting authority for approval. This process may necessitate additional cost to the Client in dollars and time. These changes must be in writing and excuted by Agate and the Client. The inspecting authority will inspect the work represented on the permitted constructon documents. When Agate's work passes the inspections by the local inspecting authority Agate will have fully complied with all of its contractual duties to the Client and the inspecting authority. At this point the Project Architect and/or Agate will issue the Client a Certificate of Substantial Completion and, if needed, attach a project completion punchlist for the Project. Agate will provide the Client with standard Project Closeout Documents.

General clarifications: Agate's constructions proposals assume that OSHA safety standards will govern. Agate requests that the Client indicate their approval of the construction documents by initialing and dating each page. If the Client provides Agate with a letter of approval of the construction documents that approval letter will be considered the same as the Clients sheet-by-sheet approval. Changes after permit will be dealt with as a separate work order with separate cost and schedule. As-built drawings are not included in Agate's proposals, if desired they will be provided at an additional cost. Red line drawings are included in Agate's construction proposals at no extra cost. This Design Build SOP should be attached to the Agate's construction contract, if it is not attached it will still be valid.

► **THE FOLLOWING PAGE IS AGATE'S DESIGN PROCESS FLOW CHART WHICH ALSO IDENTIFIES THE HIERARCHY OF DOCUMENTS**

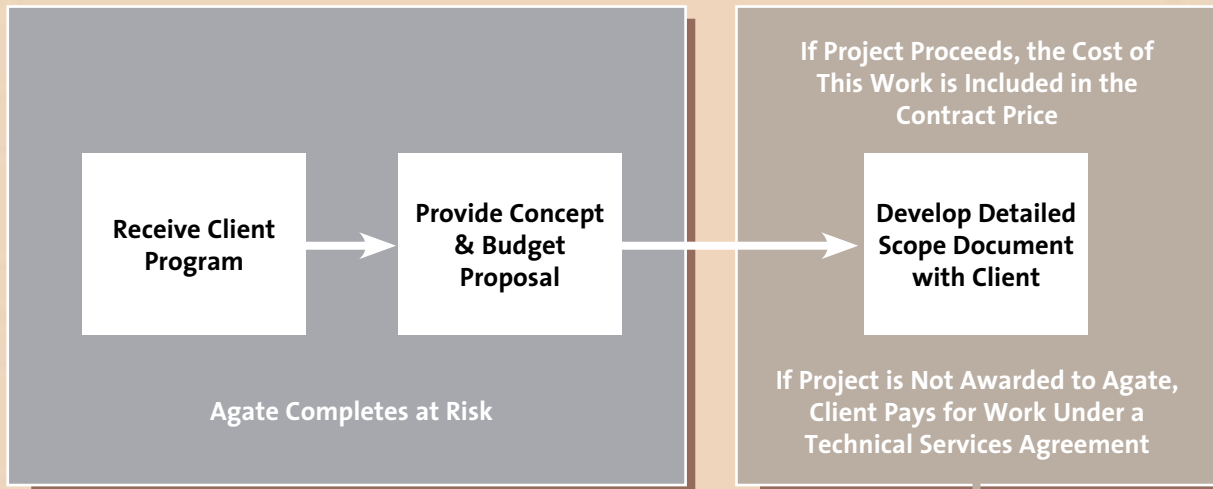
**OFFICE- (480) 994-9455**  
**FAX- (480) 994-4296**  
**P.O. Box 117, SCOTTSDALE, Az 85252-0117**  
**WWW.AGATEINC.COM**

**CORPORATE OFFICES AND  
MANUFACTURING AND FABRICATION FACILITY**  
**NORTHEAST CORNER OF OAK STREET & COUNTRY CLUB DRIVE**  
**SCOTTSDALE, AZ 85256**





# AGATE DESIGN BUILD PROCESS



## HIERARCHY OF DOCUMENTS

1. Change Order/Amendment to Contract
2. Original Contract
3. Agate Standard Procedure for Design Build Projects
4. Permitted, Approved for Construction Plans
5. Client's Program (Including His Plans and Specifications)

