An Administrator’s Guide to School Construction Projects

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Oklahoma State Department of Education
Janet Barresi
State Superintendent of Public Instruction

AN ADMINISTRATOR’S GUIDE
TO SCHOOL
CONSTRUCTION PROJECTS

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INTRODUCTION

An Administrator’s Guide to School Construction Projects was adapted from *The ABCs of Building a School* which was last printed in October 2008. Its purpose is to aid school administrators through the process of school construction projects. The construction process is inherently complex. This guide will clarify the process by describing the progression from planning through the completed project. An organized and well informed administrator will facilitate the building process and aid in accomplishing the ultimate goal of a successful building project.

This is not a legal document. For questions and answers to precise legal issues, contact a licensed attorney or other entity exercising legal control.
OKLAHOMA STATE DEPARTMENT OF EDUCATION’S ROLE IN SCHOOL CONSTRUCTION

Plan Review

In accordance with Title 70 O.S. § 3-104, the State Board of Education has the “authority to review preliminary plans for new construction and major alteration of public school buildings where structural changes are proposed. No bids shall be let for the construction or major alteration of any public school building until preliminary plans and specifications for such construction or alteration have been submitted to and reviewed by the State Department of Education.”

In everyday language, the above mandate gives the State Department of Education the responsibility to review every school construction project in the state. The Capital Improvement Section has the specific assignment within the State Department of Education. A licensed architect completes each review, utilizing laws, adopted building codes, and accessibility standards to ensure that school buildings are safe, energy-efficient, and adaptable to program offerings and student needs. Primarily, issues involving school law, life safety, accessibility and energy conservation are noted in the review. After a project has been reviewed by the Capital Improvement Section, a letter will be issued to the school district’s Superintendent and Architect noting any comments for the project.

The information required to make a meaningful review is the final construction documents consisting of the drawings and specifications. In an effort to reduce costs to school districts and to minimize the environmental impact, the Capital Improvement Section requests an electronic submittal of construction documents. Refer to the “Plan Review Guidelines” in Appendix A (page 31) for more information.

Technical Assistance

The Capital Improvement Section is available to assist school districts, their architects and engineers. Whether just getting started on a project or working through the construction documents, the Capital Improvement Section is available to answer questions and provide technical assistance.

Statistics

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* Based on information provided to SDE
SEQUENCE OF EVENTS IN A SCHOOL BUILDING PROJECT

Defining Building Projects

1. **Identify Immediate and Long-Term Needs**
   Each need should be ranked and listed with a reason it is important. This list will be ongoing and should be updated on a regular basis. Over time, items will be added, removed, or shifted up or down the list.

2. **Develop Goals or Objectives**
   For the most important needs, develop goals or objectives to address each need.

3. **Develop a Plan**
   The plan will establish how the goals and objectives will be achieved. Each goal or objective should have its own step-by-step outline on how it will be achieved. It is important to be realistic, but also, open minded and to consider all possible ways as well as alternative plans of action to achieve the goal or objective.

4. **Select a Project(s) and Develop a Building Program**
   For each project to be pursued, expand on the basic outline by thoroughly describing the project. The building program should define the scope of the project. Important things to note are the types of improvements proposed, the number and types of students and faculty who will be served, the number and types of spaces that will be created, any special equipment that will be needed, and specific objectives that should be achieved. Most importantly, the benefits of the project should be addressed. Finally, a budget for the project should be established.

5. **Propose the Project Building Program to the School Board**
   Add the proposed project(s) to the school board meeting agenda. Present the project and provide any additional information and/or documentation to support the project. School Board discussion and action taken, should be recorded in the official minutes.

Proceeding with Building Projects

6. **Define Project Scope, Budget, and Timeline**
   Using comments received at the school board meeting, finalize the project scope and budget. Include adequate allowances for cost overruns, as a number of unforeseen contingencies may arise during construction. Determine an ideal timeline for design and construction of the project. Decide if the construction delivery will be by general contractor or a construction manager.

7. **Determine Sources of Funding**
   Establish if the project will be funded by building funds, general funds, grants, bonds, etc. Know the law before authorizing expenditures from these sources. There are many statutory restrictions on the use of each of the funds listed.

8. **Select an Architect and Construction Manager (if applicable)**
   If an architect or construction manager (if applicable) is not already engaged in the planning process, now is the time to begin their involvement.
Proceeding with Bond Issues (if required)

9. **Select a Financial Consultant**
   If the project costs justify or require a bond issue, select a consultant to assist in the preparation and sale of the public bonds. Refer to the “Funding Capital Improvements Section” (pages 7 and 8) for more information.

10. **Contact the County Election Board**
    After the final school board approval, notify the County Election Board that a bond vote is required. Work closely with the bonding consultant and ensure that bonds are voted in compliance with the law.

11. **Promote the Bond Issue**
    Bond issues should be publicized to the electorate in a positive way.

12. **Sell the Bonds**
    If the bond issue passes, work with a financial consultant and school board to arrange a date to sell the bonds. Ensure the date is after the mandated period of contestability.

13. **Invest Bond Funds**
    Immediately invest all bond funds, because any delay will cost the school district money.

Designing the Project

14. **Notify the Architect to Proceed**
    It is at the school board’s discretion when to start the architect on the project. If using funds on hand, the architect can begin immediately working through the design phases as described in the contract. If using funds from bonds, the issue is less clear. It is not uncommon for schools to have the architect proceed with preliminary and/or final construction documents before bond issue approval. Though this may save time, the inherent risk is that a school district will be responsible for paying the architect for their services whether or not the bond issue passes. Often, architects on school projects will proceed with the work with an understanding that if the bond issue fails, the architect will be reimbursed for the work performed to date. This should be specifically noted in the contract. All payments to the architect shall be made in accordance with the contract. Payment requests should contain a notarized affidavit, as required by law, when the amount is $1,000 or more. Refer to the “Architectural Services Section” (pages 13-15) for more information.

15. **Submit Construction Documents to Regulating Agencies**
    After final school board approval, ensure that the final Construction Documents are submitted to the required regulating agencies including the local building department, the local and/or State Fire Marshall, the State Department of Education, and the Health Department (if required).

16. **Receive Approval and/or Permits from Regulating Agencies**
    Before commencing construction, ensure that approval and/or permits from all required regulating agencies have been obtained.

Bidding the Project

17. **Advertise the Bid of the Project**
    After final school board approval, notify all prospective bidders and the public as required by law. This includes notifying all known prospective bidders by mail, advertising in a general
circulation newspaper, and notifying trade or construction publications. Refer to the School Laws of Oklahoma, Section 956, for specific requirements.

18. **Provide Bid Documents for Review**

By law, at least one complete set of bidding documents shall be on file in the main office of the awarding public agency at least twenty (20) days prior to the date set for opening bids.

19. **Open Bids**

At the date, time, and location in the advertisement to bid, a formal meeting of the school board shall be held to open bids. Only sealed bids should be accepted. Bids should be checked carefully for errors or omissions and should contain the required bid bonds, affidavits, etc., as required by the specifications and the law. Bids should be read aloud and witnessed by a member of the school board. The bid opening should be as free of irregularities as possible. Remember the livelihood of the contractors is at stake and they can be extremely sensitive to decisions not publicized in the bid documents. Negotiation with the low bidder is not allowed, even when the low bid exceeds the funds available. Re-bidding or the declaration of an emergency is required in such cases.

20. **Award the Contract**

The school board has thirty (30) days to consider the bids and award the contract. The award should not be made until funds are available. Refer to School Laws of Oklahoma, Section 963, for extensions to this time.

21. **Execute the Contract**

The contract must be executed within sixty (60) days. Often the specification will stipulate a lesser number, such as ten (10) days.

**Commencing Construction**

22. **Notify the Contractor to Proceed**

After the contract has been executed and all permits have been obtained, notify the contractor to proceed with the project. Make payments to the contractor according to the contract. Do not prepay for anything. The payment request should contain a notarized affidavit as required by law. “Refer to the Construction Process Section” (pages 17 and 18) for more information.

23. **Maintain Security at the Construction Site**

Ensure that adequate security precautions exist at all areas of construction. Children are naturally curious around construction work and accidents are possible.

24. **Obtain Certificate of Substantial Completion**

Near the end of the construction, the architect will issue a certificate of substantial completion. Because of legal issues, occupancy should not occur until this certificate has been issued.

25. **Contact Insurance Agent**

Prior to occupancy, contact the school’s insurance agent to arrange for the coverage of all improvements.

26. **Obtain Certificate of Occupancy**

When the project is fit for occupancy, the local and/or state agency will issue a certificate of occupancy, (CO).
27. **Obtain Releases from Contractor**
   When the school board is satisfied that the work is complete, obtain a release from the contractor against any liens or claims for payment from the contractor, subcontractor, and/or material suppliers. The retainage of the contract amount is due at completion. Retainage of the contractor’s money after acceptance requires an interest payment of 0.75% per month.

28. **Obtain all Project Documentation**
   Receive all project documentation (including the as-built drawings, operating manuals, guaranties, warranties, etc.) from the contractor or the architect. These documents are invaluable and should be stored in a safe place where they will not be damaged or lost.
FUNDING CAPITAL IMPROVEMENTS

General Obligation Bonds

In order to make capital improvements, a school district is allowed to borrow money utilizing general obligation bonds. However, the indebtedness of a school district cannot exceed ten percent, including existing indebtedness, of the assessed valuation of the taxable property within the district. The bonds must be authorized in an election voted on by the electorate of the district. Sixty percent (60%) of the votes must be affirmative. These bonds are payable from ad valorem taxes levied against all taxable property within the district, excluding homestead exemptions, without limitation as to rate or amount. Interest is payable as it falls due and a sinking fund is created for repayment of the principal.

School districts can issue general obligation bonds for the following purposes:
- Purchase of land.
- Construction of new buildings.
- Additions to existing buildings.
- Renovations to existing buildings.
- Purchase of school furniture and fixtures.
- Purchase of school buses.

Bond Issue Process

1. Election Called
   A formal resolution calling for an election is issued by the local board of education. The resolution shall include the date, place, and purpose of the election. If the bond issue includes the purchase of transportation, a separate proposition is required.

2. Election Set
   The resolution is delivered by the board’s clerk or designated representative to the county election board at least 60 days prior to the election. Election days are established by the county election board and are held on Tuesdays. Contact the local county election board for exact election dates.

3. Advertise Election
   The resolution must be published in a newspaper of general circulation in the district at least ten (10) days prior to the election.

4. Election Day
   The election will be conducted by the county election board. When a school district is in two counties, the election board of the county in which the district’s office is located will be in charge and coordinate with the other county election board. Polling places are open from 7 a.m. to 7 p.m. Any registered voter in the district is eligible to vote.

5. School Board Meets to Set Date of Bond Sale
   If the election passes, the school board will meet to set the date for sale of the bonds.

6. Advertise Bond Sale
   Once approved, notice of the sale of the bonds must be published once a week for two consecutive weeks in a legally qualified newspaper published in the district. The sale shall be no less than ten (10) days after the first publication.

7. Bond Sale
   Bidding is at the discretion of the governing body and may be sealed, facsimile, electronic, or other bidding method. The governing body has the right to reject all bids and readvertise the bonds for sale.

8. Transcript Period
   After the sale, the bonds must be approved by the Oklahoma State Attorney General.
9. Non-Litigation Period
   Once approved by the Oklahoma State Attorney General, a 30-day protest period begins. Any suit contesting the legality of the bond issue must be initiated in district court within this time period.

10. Final Document Preparation and Signing, Settlement and Delivery

**Capital Expenditures through the General Fund**

$50,000 from the General Fund
1. The district must be voting the maximum five building fund mills.
2. A bond issue has been rejected on that question within the current school year; or the district has voted indebtedness at any time within the preceding three school years through the issuance of bonds or through approval by voters of issuance of new bonds for more than 85% of the maximum allowable.
3. The funds must be expended within the current fiscal year.

5% of the Total Yearly Revenue to the General Fund
1. The district’s total assessed property valuation per average daily attendance is less than 60% of the state average total assessed property valuation per average daily attendance.
2. For each year general fund revenue is used for capital expenditures, the district must be voting the five-mill building fund levy.
3. The district must have voted indebtedness through the issuance of new bonds for at least 85% within the last three years of the maximum allowable.
4. The funds may not be used for capital expenditures for more than five (5) consecutive years.
5. The funds may only be used for remodeling or constructing classroom facilities and ancillary facilities to those classrooms, as necessary.

**The Financial Advisor**

In connection with the proposal and issuance of general obligation bonds for school districts, the financial advisor performs services according to an agreement reached with the owner. This contract is a professional contract and is not required to be bid. Typical services include:

Prior to the Call for Election:
1. Prepares a financial analysis for the school district, including a survey of financial resources and borrowing capacity.
2. Analyzes existing debt and tax structure and devises a financing program to fund the proposed maturities, estimated interest rate, and cost on the proposed bonds.
3. Prepares and furnishes publicity material in the form of news articles, brochures, and other promotional material.
4. Attends public meetings to explain the financing program to interested individuals.
5. Provides services necessary for proper calling of the election.

After Voter Approval:
6. Advises the school’s board of education on market conditions and economic data expected for the sale of the bonds to set a favorable date for the sale.
7. Prepares an Official Notice of Sale, the Prospectus, and bid documents.
8. Submits financial and economic data to the national rating services to obtain a favorable rating on the bonds.
9. Attends the sale of bonds and advises the school’s board of education regarding acceptance or rejection of the bids.
10. Provides services necessary to expedite preparation of final transcript and to achieve delivery of the bonds approved by the Oklahoma State Attorney General.
PUBLIC COMPETITIVE BIDDING

The Public Competitive Bidding Act of 1974, Title 61 O.S. § 101 thru § 138, included in the School Laws of Oklahoma, Chapter 9, Article 5, is a critical component of any school building project. School districts must comply fully with these laws which become effective when construction documents are released for bidding. However, in order to ensure compliance with the laws, it is important to have a thorough understanding of the requirements long before the project is in the bidding phase.

The following list outlines the key requirements of the Public Competitive Bidding Act of 1974. This list is not to be substituted for a thorough reading and understanding of the laws. It should be noted that nothing in this act shall prevent a public agency from completing the work on a force account basis and that certain provisions will not apply if an emergency is declared.

The school district as the awarding agency shall:
1. Accept bids and contracts as required for all public construction projects as follows:
   a. Open competitive bidding by sealed bids for projects greater than $50,000.
   b. Receipt of written bids for projects less than $50,000.
   c. Negotiate with a qualified contractor for projects less than $25,000 for minor maintenance and repair.
   d. Receipt of written bids for projects greater than or equal to $25,000, but less than $50,000 for minor maintenance and repair.
2. Exclude sales tax from projects by designating the contractor as an agent of the district.
3. Advertise bidding and describe the project.
4. Provide a copy of the bidding documents at the agency.
5. Provide bidding documents, personally or via an agent, to bidders.
6. Require a bid guaranty (bid bond) for five percent (5%) of the bid price.
7. Require a Business Relationship Affidavit from all bidders.
8. Require a Non-Collusion Affidavit from all bidders.
9. Return all bids received ninety-six (96) hours prior to bid opening or bids received late.
10. Hold a public bid opening at the time and place described in the advertisement to bid.
11. Award the contract to the lowest responsible bidder within thirty (30) days of the bid opening.
12. Maintain a file, that is public record, of all bids for the required period of time.
13. Execute a contract with the successful bidder within sixty (60) days.
14. Receive from the contractor, performance, statutory and defect bonds for 100% of the contract price.
15. Require and receive from the contractor proof of required insurance.
16. Retain 10% of all payments until 50% completion when retainage can be reduced to 5%.
17. Have the ability to prequalify prospective bidders, award the contract to other than lowest bidder, and reject any bids.
18. Adhere to change order requirements.
19. Ensure that applications for payment are certified and project is inspected prior to making payments.
20. Not split contracts to avoid competitive bidding laws.
CONSTRUCTION BY FORCE ACCOUNT

Definition of Force Account

Force account is addressed in Attorney General Opinion 13-2010, October 22, 2010:

It is therefore, the official Opinion of the Attorney General that:
1. When undertaking a construction project, a school district may complete as much of the work as it chooses on a force account basis. The term “force account” means “the erecting of a building or the making of an improvement on district property by the use of the district’s own employees, purchasing its own materials and leasing the necessary equipment all under the supervision of the district.” See 61 O.S.2001, § 103.4; A.G. Opin. 80-108, at 190. The remainder of the project may be bid as a public construction contract under the applicable provisions of the Public Competitive Bidding Act of 1974. See 61 O.S.2001 & Supp.2009, §§ 100-138.

Construction by Force Account

To construct a school project on a pure force account method would be extremely difficult for any school district. To build by force, a school district would have to employ workers for all trades required for the project. Instead, what typically occurs is a hybrid of force account construction and construction management/general contracting. In this hybrid, the school district uses employees for certain scopes of work while the other scopes are contracted under the applicable provisions of the Public Competitive Bidding Act of 1974. The remaining scopes of work not constructed by force account should be bid to either a general contractor or utilize a construction manager. If construction management is selected, specific requirements must be met. Refer to “The Construction Process” (pages 17-18) for more information.

In force account, as the school district manages the scopes of work completed by employees, it is assuming the role as general contractor and is accepting all the associated risk and responsibility. It is important to remember that construction projects can be time consuming and complex. School administrators in charge of force account construction projects must be prepared to devote a substantial amount of time and understanding to the project. This includes time devoted to the schedule, construction means and methods, project details, financial information, and field questions and problems. An administrator may or may not be familiar with all the facets of construction; however, the administrator in charge will be accountable for the project. If, after careful deliberation, a school district decides to utilize force account, it should know and follow the law.

Building by force does not exempt the school district from following any laws. Permits must be obtained from the local jurisdiction as well as the local or State Fire Marshal. Construction documents must be submitted to the State Department of Education for review and the Public Competitive Bidding Act of 1974 must be followed at all times. In addition, when work, such as electrical, requires a license, the employee must hold a valid license to perform that work.

In force account, the school district is accepting the responsibility and the risk of construction. The school district shall ensure that:
1. Adequate insurance is provided to cover liability and building protection.
2. The construction site is secure.
3. Work is completed according to the construction documents.
4. Cost overruns and contingencies are included in the budget.
5. Unforeseen delays are included in the schedule.
Common Myths Associated with Force Account

Myth:
When a school district builds by force account, an architect is not required.

Fact:
Regardless of the construction delivery method utilized, the Oklahoma State Architectural and Registered Interior Designers Act must be followed. Refer to “Architectural Services” (page 13) for more information.

Myth:
When a school district builds by force account, the Public Competitive Bidding Act of 1974 does not apply.

Fact:
Regardless of the construction delivery method utilized, the Public Competitive Bidding Act of 1974 always applies to school districts. If the entire project cannot be completed with district employees, the remainder should be contracted out as a public construction contract under the applicable provisions of the Public Competitive Bidding Act of 1974.

Myth:
When a district has construction work that cannot be completed by their employees, the district can act as its own construction manager, serving as a general contractor or supervisor, by bidding out various bid packages and coordinating the efforts of multiple contractors.

Fact:
School districts are not allowed to serve as their own construction managers or utilize in-house personnel to act as the district’s construction manager. If the entire project cannot be completed with district employees, the remainder should be contracted out as a public construction contract under the applicable provisions of the Public Competitive Bidding Act of 1974.
ARCHITECTURAL SERVICES

When does a project require an Architect?
The State Architectural Act dictates when an Architect is required for a project. School projects typically fall into two occupancy categories--Education and Assembly. Requirements for those two occupancies are shown below. For other occupancy requirements, consult the Oklahoma State Architectural and Registered Interior Designers Act.

An Architect is required for a school project that meets any of the following:
1. The cost of the project is more than $158,000.
2. The building addition, renovation, or alteration affects the primary structural, mechanical, or electrical systems, life safety systems, or exit passageways.
3. The occupancy is Assembly (A-1), (A-4), or (A-5). Assembly (A-1) includes areas for production or viewing of performing arts, typically with fixed seating. Assembly (A-4) includes areas for viewing indoor sporting events and activities with spectator seating. Assembly (A-5) includes areas for participation in or viewing outdoor activities.
4. The occupancy is Education (E) or Assembly (A-2) or (A-3) with 50 or more occupants or more than two (2) stories in height. Education (E) occupancies include any areas that students have access to on school grounds. Assembly (A-2) includes areas for food and drink consumption. Assembly (A-3) includes areas for worship, recreation, amusement or other assembly areas not identified such as indoor sporting areas without spectator seating, libraries, and galleries.

Selecting an Architect
Selecting an architect is a critical step in the construction process and can be a very difficult task. Careful study of the candidates is essential. Generally, the architect should be brought on as early as possible because they can provide beneficial services even before a project is ready to begin.

Unless a good relationship already exists with an architect that is experienced and capable of the proposed project, an owner should look at multiple firms. It is typically recommended to interview three to five firms - enough to get a perspective, but not too many to overwhelm. The interview process allows you to understand each firm and their approach to the project as well as the personal connection you may feel.

Finding an architect can be difficult, especially in rural areas. Personal recommendations from other school administrators in your area at both small and large schools are vital. Another great source is identifying the architect of buildings and projects that catch your eye. Both the American Institute of Architects and the Oklahoma Board of Architects allow you to search for architects on their Web sites.

Interviewing the Architect
Before the interviews, establish the funds available, the scope of the project, and the duties expected of the architect. Schedule separate interviews with each prospective firm allowing sufficient time to enable each firm to adequately present its capabilities. During the interview, establish experience in the type and size as well as strengths and weaknesses of each firm as they apply to the particular project. Determine what services are available and which will be provided as part of the fee. Establish how long it will take each firm to do the work. Also, important to note is the individual in charge of the project. Often the person or persons representing the firm at interviews will not be the individual responsible for the day-to-day activity of the project. However, the qualifications of this person are important to establish. Finally, obtain a list of former clients. Firms should be forthcoming on all of this information. Evasiveness should be a cause of concern for the school board.
After the interview, contact each firm’s references, questioning performance, communication, and their recommendation. Evaluate the firms carefully and make a decision based on references, qualifications, and compatibility. It is recommended that the fee not govern the selection of a firm. Generally speaking, architects’ fees are fairly uniform, and rarely are architects able to reduce fees without reducing services. After selecting a firm, it is a common courtesy to notify all unsuccessful firms that were interviewed.

**Contracting with the Architect**
After the architect is awarded the project, a contract should be drafted. Often the architect will provide the owner with a draft of the contract. Be sure to use the current edition of the appropriate document from the American Institute of Architects (AIA). These documents are standard agreements that demonstrate fair and balanced consideration to all parties, address emerging issues within design and construction, and are reviewed and updated to reflect current industry practice and changes in law.

It is important that the owner review the contract carefully to understand what services are being provided and the fee associated with those services. Also important is what is not included in the fee and is the financial responsibility of the owner. The contract will indicate these items which include surveys, geotechnical reports (soils testing) and other studies that may be required, as well as reimbursable expenses for reproduction and travel. It is also important to understand what services constitute an “additional service” of the architect that will require payment above the basic fee. Finally, an attorney should review the contract prior to signing.

**Typical Architectural Services**
The services of the architect are defined in the contract. Generally, these services are divided into five distinct phases: schematic design (SD), design development (DD), construction documents (CDs), bidding or negotiation and construction administration (CA). If a project is relatively small in size, the phases may be compressed. Usually a percentage of the total fee is charged for each phase completed by the architect. These percentages vary by firm, but generally 80-90% of the total fee is due prior to the start of construction. Typical services provided by the architect are listed below. However, these and other services not mentioned are dependent upon the contract between the owner and architect. Careful review of the contract and consultation with an attorney is recommended prior to entering into an agreement.

**Design Phase**
At the beginning of the design phase, the architect will evaluate the scope of work, budget, and schedule as well as review laws, codes, and regulations applicable to the project. Once the architect and owner have reached an understanding on the project requirements, the architect will develop a preliminary design. After the preliminary design is approved, the architect will prepare schematic design documents.

**Schematic Design**
Schematic design documents include basic site and floor plans, elevations and sections, note construction materials and primary building systems. Sometimes architects will include sketches or digital models in the schematic design package. An estimate of the cost of work is also provided. When the schematic design is approved, work on the design development documents begins.

**Design Development**
Design development documents describe the project in more depth with plans, elevations, section, and details for the architectural and engineering work. Specifications are also developed which identify the materials and systems. The cost of work is updated. After owner approval of these documents, the architect begins on the construction documents.
**Construction Documents**

Construction documents are the final drawings and specifications that are used to build and construct the project. The drawings include detailed information provided in plans, elevations, sections, details, schedules, and notes. The specifications fully describe all requirements of the bidding and construction, and identify and note materials and products to be utilized in the project. The architect coordinates all work of their consultants as well as the work of the owner’s consultants. The final set of drawings is compiled with the drawings from each discipline, and the project manual is assembled which includes the specification, bidding information, and other project-related information. The final estimate of the cost of work is provided to the owner. Upon approval, the construction documents are filed with regulating agencies and released for bidding.

**Bidding**

During bidding, the architect assists the owner in obtaining competitive bids. The architect distributes bid documents, conducts pre-bid conferences as necessary, responds to questions, organizes and conducts the bid opening, aids in determining the successful bid, and prepares the construction contracts.

**Construction Administration**

During construction administration the architect serves as the owner’s representative. The services provided include interpreting the construction documents, reviewing submittals, visiting the site to evaluate the work, certifying applications for payment, preparing change orders and rejecting non-conforming work. The architect will determine the date of substantial completion and issue the certificate of substantial completion.
THE CONSTRUCTION PROCESS

A school district can utilize one of several project delivery methods for construction. In each instance the district contracts with a contractor to perform the “work,” which is defined as the construction and services required by the contract documents to fulfill the contractor’s obligations. The work includes labor, materials, equipment, and services that are utilized to construct the project. For school projects the district will contract with a general contractor, a construction manager or, in some instances, will build using force account.

Project Delivery Methods

Design-Bid-Build (General Contractor)
In traditional design-bid-build projects, the project is bid by a general contractor, often referred to as the GC. The contractor who is the successful bidder will contract with the owner to perform the work in accordance with the construction documents produced by the architect. To formulate their bids, GCs assemble bids for each part of the project from subcontractors, or subs. Each subcontractor has a direct contract with the GC to perform a portion of the work. Owners will contract for a fixed price, or stipulated sum, utilizing AIA Documents A101 and A201. All bidding shall comply with the Public Competitive Bidding Act of 1974.

Construction Manager (CM) and Construction Manager At-Risk (CMa)
In construction management projects the owner contracts with a construction manager (CM). During design, the CM acts as an advisor to the owner, providing assistance on schedule, budget, value engineering, construction materials and methods, and preparing and coordinating the bid packages. During construction the CM assumes the role as the GC, soliciting bids from and contracting directly with subcontractors.

In agency construction management, the CM provides services without taking on a financial risk for the execution of the actual construction. In construction management at-risk projects, the construction manager at-risk (CMa) takes on the financial obligation to carry out construction under a specified cost agreement. The selection of a CM or CMa is a professional contract and is not required to be bid. However, all bids solicited by the CM or CMa are required to comply with the Public Competitive Bidding Act of 1974.

School districts are permitted to use construction management as a construction delivery method, but specific requirements must be met. First, unless the project is in response to a natural disaster or other emergency situation, construction management may only be used if the project benefits the public, there is a need for cost control, and the need exists for specialized or complex construction methods due to the unique nature of the project. Second, the district must select a construction manager from the Department of Central Services’ List of Registered Construction Managers. Finally, school districts are not allowed to serve as their own construction manager.

Force Account
When a school district uses its own employees to complete construction work, it is building using force account. When building by force account, the district is essentially assuming the role as general contractor for those scopes of work. If the entire project cannot be completed with district employees, the remainder should be contracted out as a public construction contract under the applicable provisions of the Public Competitive Bidding Act of 1974. Refer to the “Construction by Force Account Section” (pages 11-12) for more information.

Design-Build
Design-Build is when both the design and construction services are in the same contract from a single legal entity (i.e., the design-builder). A firm fixed price is required in the proposal. This is a professional contract and does not require bidding. Under the Public Building Construction Act, the design-build project delivery method is available only to state agencies, not to school districts. Therefore, school districts cannot utilize design-build in construction projects.
Duties of the Contractor

During Bidding:
1. Submit pre-qualifications to the owner, attend the pre-bid conference, and investigate the site.
2. Acquire and review the construction documents and ascertain the requirements for bidding.
3. Solicit bids from subcontractors to use in preparing the bid.
4. Prepare and submit the bid package including the bid form, the bid bond, affidavits and any other requirements.
5. Provide required bonds and execute the contract upon award of the contract.

During Construction:
1. Study the construction documents and verify field conditions.
2. Prepare and update the construction schedule.
3. Prepare and submit a schedule of values.
4. Provide a list of subcontractors and suppliers to the architect and the owner for approval.
5. Supervise and direct the work, being solely responsible for means, methods, and coordination.
6. Provide and pay for labor, materials, equipment, utilities and other items as required to complete the work.
7. Prepare and submit for approval shop drawings, product data, and samples.
8. Keep the premises orderly and free of trash.
9. Comply with all codes and laws and call for required inspections.
10. Maintain one set of construction documents on-site to be released to the owner as “as-built” drawings upon completion.
11. Prepare and submit applications for payment including the claim or invoice affidavit.
12. Maintain required insurance.
13. Deliver the project to the owner clean, orderly, and complete, according to the contract documents.
14. Provide warranties, guaranties, operating manuals, and instructions to the owner.

Construction Schedule
The contractor will develop a schedule for the project including a critical path that determines the minimum time necessary to complete the project. As the project progresses, the schedule will be updated to reflect the current construction process and the date for completion. During construction, the sequence of events and the work of each trade will overlap. A basic order of construction is shown below. It is important to remember that each project is different and the contractor’s schedule will be based on the requirements of that particular project.

Construction Events:
1. Construction Start.
2. Construction Fencing, Storm Water Prevention.
5. Structural Framework, Rough Framing.
6. Roof, Exterior Doors and Windows, Exterior Materials (Masonry, Siding, EIFS, etc.).
7. Mechanical, Plumbing and Electrical Rough-In, Interior Doors and Windows, Insulation, Drywall.
BUILDING CODES AND FIRE SAFETY

The Department of Education bases its reviews on the building codes adopted by the State Fire Marshal’s Office. Currently the 2006 Edition of the International Building Code (IBC) and the 2006 Edition of NFPA 101, Life Safety Code, have been adopted. The reviews done by the State Department of Education, the local jurisdiction, and the local or State Fire Marshal are completed to ensure that school projects are constructed according to these codes. As an administrator, you may question why this is important. The answer is simple - to protect human life. Excerpts from each code follow:

International Building Code:
101.3 Intent. The purpose of this code is to establish the minimum requirements to safeguard the public health, safety and general welfare through structural strength, means of egress facilities, stability, sanitation, adequate light and ventilation, energy conservation, and safety to life and property from fire and other hazards attributed to the built environment and to provide safety to fire fighters and emergency responders during emergency operations.

Commentary. The intent of the code is to set forth regulations that establish the minimum acceptable level to safeguard public health, safety and welfare and to provide protection for fire fighters and emergency responders in building emergencies. Like any code, the written text is subject to interpretation. Interpretations should not be affected by economics or the potential impact on any party. The only considerations should be protection of public health, safety and welfare and emergency responder safety.

NFPA 101, Life Safety Code:
1.2* Purpose. The purpose of this Code is to provide minimum requirements, with due regard to function, for the design, operation, and maintenance of buildings and structures for safety to life from fire. Its provisions will also aid life safety in similar emergencies.

State Fire Marshal (excerpt taken directly from the State Fire Marshal’s Web site)
The Fire Marshal agency is charged with the responsibility of enforcing the codes and standards relative to fire and life safety adopted by the State Fire Marshal Commission and as designated by state statutes. The State Fire Marshal or his agents investigate acts of arson, or attempted arson, or conspiracy to defraud, and keep records of such investigations. The agents of the State Fire Marshal carry out an extensive fire prevention inspection program in nursing homes, schools, child care centers, hospitals, and other public-use buildings. The agency issues orders for condemnation or repair of dangerous or dilapidated buildings that constitute a hazard to life or other property. The State Fire Marshal examines plans and specifications of certain types of new construction or remodeling to see that they meet minimum fire safety requirements. This agency is authorized to assist any city, town or county in the enforcement of the building codes and standards adopted by the State of Oklahoma.

Fire Statistics
During 2008, structure fires in the United States totaled 515,000, with 2,900 civilian fire deaths, 14,960 civilian fire injuries, and $12.4 billion in property damage. Between 2003 and 2006, educational property structure fires for preschools through twelfth grade totaled 4,870, with 65 civilian injuries and $74.2 million in direct property damage. The leading causes of these fires were contained trash or rubbish fire, intentional and cooking equipment with the areas of origin being in the kitchen or cooking area, and bathrooms.
Fire Prevention in Schools
Inspections of all school buildings are necessary to safeguard the lives of our school children and staff. It is recommended that fire protection or fire prevention personnel complete an inspection annually and that a member of the school administration complete an inspection monthly. School administrators can utilize the “Self Inspection Form for Schools” that is available on the State Fire Marshal’s Web site.

In order to protect the building occupants the school administrator should ensure that:

a. Fire alarms, fire extinguishers, and fire suppression systems are fully operational and inspected annually.

b. The integrity of building exits are maintained, including providing panic hardware on exterior doors, not locking or blocking off exit doors or corridors, maintaining six-foot-wide unobstructed corridors, providing required number of exits out of classrooms, and adhering to occupancy load requirements.

c. Emergency lighting is provided as required and the exit paths are identified with working exit signage.

d. Good housekeeping is maintained, including keeping all areas clean and free of trash and debris.

e. Walls are covered with non-combustible materials and that artwork in corridors is limited as required.

f. Fuel-fired heating equipment is properly vented, clearances are maintained around electrical equipment and extension cords are not used.

g. Fire drills are conducted at least two times each semester.

The Case for Automatic Fire Sprinklers
The decision to provide automatic fire sprinklers in new and existing school buildings is often based on initial cost. However, an administrator should also consider the potential for reduced costs on insurance premiums as well as reduced property damage in the event of a fire. The most important thing to consider is, in the event of a fire, what the loss of life or property would mean to you and the school district.

From the NFPA 101 - 2006, Supplement 3:
Sprinkler system effectiveness in terms of life safety is best summarized by the following statement, which is based on fire incident data: “NFPA has no record of a fire killing more than two people in a completely sprinklered building where the system was properly operating, except in an explosion or flash fire or where industrial or fire brigade members or employees were killed during fire suppression operations.”

Automatic fire sprinklers are the most effective way of controlling and minimizing the damage caused by a fire. Sprinklers will often limit the fire to the room of origin. When sprinklers are provided, the codes allow for less stringent construction requirements. These include larger building square footages, increased dead-end corridor and exit distance lengths, eliminating fire rated walls in areas such as corridors, large storage areas, and janitor closets, and allowing windows to be inoperable.
The issue of accessibility is often confusing because accessibility requirements are defined by two separate sets of regulations: The Americans with Disabilities Act (ADA) and the International Building Code (IBC). Each summarized as follows:

### Americans with Disabilities Act (ADA):
- Civil rights law protecting rights of persons with disabilities.
- Scoping and Technical Provisions provided in:
- Enforced by the United States Department of Justice (DOJ).

- Building code protecting the health, safety, and welfare of all individuals.
- Scoping Provisions provided in Chapter 11: Accessibility.
- Enforced by the building officials of the local and/or state jurisdictions.

Though both organizations have worked to maximize consistencies, differences still exist between the two. However, the fundamental philosophy for both is the same. Everything is required to be accessible unless it is specifically exempted. This includes any new or renovated areas in existing buildings. Excerpts requiring this are shown below:

### ADAAG:
**ADAAG 4.1 Minimum Requirements.**

4.1.1 Application. (1) General. All areas of newly designed or newly constructed buildings and facilities and altered portions of existing buildings and facilities shall comply with section 4, unless otherwise provided in this section or as modified in a special application section.

### ADA-ABA Guidelines:
**201 Application**

201.1 Scope. All areas of newly designed and newly constructed buildings and facilities and altered portions of existing buildings and facilities shall comply with these requirements.

### International Building Code:
**Section 1103 Scoping Requirements**

1103.1 Where required. Sites, buildings, structures, facilities, elements and spaces, temporary or permanent, shall be accessible to persons with physical disabilities.

3409.6 Alterations. A building, facility or element that is altered shall comply with the applicable provisions in Chapter 11 and ICC A117.1, unless technically infeasible. Where compliance with this section is technically infeasible, the alteration shall provide access to the maximum extent technically feasible.

There are exemptions to the requirement of accessibility. However, of the exemptions that exist, only a few would apply to school buildings. These exemptions include utility buildings, limited access spaces accessed only by ladders, catwalks or narrow passageways, equipment spaces for mechanical, electrical or communication equipment, and walk-in coolers or freezers.
ENERGY

Energy costs are significant for school districts. The United States Department of Energy notes that studies have shown that nearly one-third of the energy consumed in the average school is wasted. By reducing this waste, energy costs for school districts can be reduced. With the right plan, a school district can reduce their energy consumption and ultimately their energy costs, allowing them to redirect that money towards education.

Energy Management Program
Reducing energy costs requires making energy efficiency a top priority. Administrators must provide direction and leadership to the faculty, staff, and students, utilizing an energy management plan that:
1. Establishes the district’s energy benchmark, including the historical data over a 5- to 10-year period for both energy usage and cost.
2. Develops and implements the plan for reducing energy consumption.
3. Reports the results to faculty, staff, students, and the community on a regular basis.

In existing and recently constructed buildings, it is important to advise faculty, staff, and students of the energy goals and educate them about the energy management plan. This serves as an educational tool to teach those involved about energy conservation as well as making them instrumental in the success of the program.

In new construction, it is important to inform the architect and engineers of the district’s energy goals early in the process. The designers can then work with the district to identify and evaluate the energy-saving options available and the associated maintenance issues, initial costs, and life-cycle costs. This evaluation between the owner and design team will determine the best solutions for the particular project. Often minimal additional costs in construction result in significant savings over the life of the building.

Energy Reduction Methods
There are numerous products, materials, methods, and procedures to increase energy efficiency and reduce energy consumption in buildings. Costs range from free to expensive with installation or implementation being simple or complex. Not only for new construction, many can be retrofitted on existing buildings. The energy reduction methods listed below are intended to provide guidance as to the different options available and is not comprehensive.

Site Design
Evaluate the impacts of the building on the site and incorporate environmentally friendly solutions.
1. Existing Conditions
   Utilize existing landscape and natural features to block prevailing winds and the sun.
2. Building Orientation
   Maximize solar access for daylighting by orienting the building on an east-west axis.
3. Daylighting
   Provide natural light to classrooms by maximizing glazing on the north and south facades and employing clearstory lighting and skylights.
4. Landscape and Vegetation
   Use local or adapted plants that require minimal irrigation and plant strategically to shade the building or block prevailing winds.

Building Envelope
Provide a barrier to the elements by utilizing high performing materials and products in the building envelope.
1. Windows and Doors
Windows and glass in doors should be double-glazed with an inert gas and provided with low-e coatings. Windows should have a low U-factor and a low SHGC while providing a high VT value. Operable windows will allow for natural ventilation on days with moderate temperatures. Steel doors should be insulated. Look for the Energy Star label.

2. Insulation
In new construction, exceed the minimum standards providing high R-values in exterior walls and ceiling/roof assemblies and use perimeter insulation on the foundation. In existing buildings, insulate the attic and/or provide insulation at all ceilings.

3. Exterior and Interior Shading
Control solar heat gain and glare while allowing access to daylighting by providing exterior overhangs or shades and interior blinds or shades.

Air Infiltration
1. Close Doors and Windows
Keep doors and windows closed when heating or cooling systems are on.

2. Weather-stripping and Caulk
Replace or provide weather-stripping at all exterior doors. Provide new caulking at the perimeter of all door and window frames on the interior and exterior.

3. Vestibules
Provide vestibules at exterior entrance doors to reduce the exterior unconditioned air from entering the building and the interior conditioned air from leaving the building.

Lighting
1. Turn Off Lights
It is estimated that 8 to 10% of lighting energy can be saved by turning off lights in unoccupied spaces.

2. Institute a Lighting Policy
Delay turning on lights in the morning, turn off nonessential lighting after students leave and turn off all lights, except security and exits lights, at nights and on weekends, holidays, and breaks.

3. Clean and Replace
Dirt and dust can reduce the amount of output from lamps by as much as 15% per year. Increase lighting output by periodically cleaning the bulbs and fixtures with a dry cloth. When diffusers become discolored, they should be replaced.

4. Upgrade Exit Signs
Replace existing exit signs with LED exit signs. LED signs use about 5% of the energy used by incandescent signs and 20% of that used by fluorescent. LED signs can last 25 years without lamp replacement with a payback period of less than one year.

5. Occupancy Sensors
Utilize occupancy sensors to turn off lights in unoccupied spaces. To ensure full energy savings, ensure the sensors are calibrated for short intervals. As an added savings, circuit the exhaust fans with the occupancy sensors.

6. Timers, Photosensors, and Motion Detectors
Timers are useful in rooms or spaces that have predictable occupancy hours, such as libraries. Photosensors and motion detectors are good for exterior lighting including security lighting.

7. Bi-Level Switching and Dimming Ballasts
Provide multiple switches to control the amount of light in a space by placing either different fixtures or different lamps in the fixtures on different switches or provide ballasts that are dimmable.

8. Re-Lamp
Re-lamping is the process of replacing lamps that are not performing at their peak. Replace all incandescent bulbs with fluorescent bulbs. Upgrade T12 to T8 or T5 with electronic ballasts. Switching from T12 to T8 can reduce lighting energy by 20-30%. Consider replacing lamps at 70-80% of lamp life to eliminate burn out.
9. De-Lamp
   De-Lamping is the process of removing fluorescent lamps from a light fixture when illumination levels are excessive - for example, using only 2 bulbs in a 3-bulb fixture. Good areas for de-lamping include areas where bright light is not a necessity, such as near windows, doors, corners, over computers and televisions, near skylights and corridors off the main hall. Ensure that lighting levels follow the recommendations of the Illuminating Engineering Society of North America and never compromise safety. Also, installing spectral reflectors is considered a compliment to de-lamping

10. Use the Sun
   On days when natural light is sufficient to illuminate the classroom, turn off the lights or turn down the lights, utilizing bi-level switching, and open the blinds.

Plug Loads
1. Computers, Copiers, Printers, and Other Equipment
   Turn off equipment when not in use, including nights, weekends, holidays, and breaks. Set power-save modes to power equipment down when not in use during the day. When replacing equipment, ensure new equipment is Energy Star-rated.

2. Vending Machines
   Vending machines that operate continuously are estimated to cost $200 to $350 per year per vending machine. Install energy control devices or turn off vending machines when the building is unoccupied. Also, de-lamp or remove the lights from vending machines.

3. Vampire Power
   Phantom loading or vampire power refers to the electrical power used by electronic devices when they are turned off or in standby mode. Individually, a device will typically pull a low amount of electricity, but when added together the energy use can be significant. Standby power accounts for 5-10% of residential energy use and 6-7% of building energy use. Utilize surge protectors to connect computer workstations (computer, monitor, printer, etc.) or groups of computers, so that the entire system can be shut off on the surge protector at the end of the day.

Heating Ventilation and Air Conditioning (HVAC)
1. Reduce the Use of HVAC Equipment
   Ensure that HVAC systems operate at maximum and minimum temperatures when the building is unoccupied for extended periods of time such as summer and winter breaks.

2. Maintenance
   Schedule and provide routine maintenance on all HVAC equipment inspecting, cleaning, repairing, replacing, and adjusting to ensure the equipment is working properly and at its best. Ensure a qualified technician performs annual maintenance on the hot water boiler which can reduce energy consumption by 10-20%.

3. Temperature Guidelines
   Provide guidelines for thermostat settings in classrooms and encourage staff and students to adhere to them.

4. Programmable Thermostats
   Provide programmable thermostats, program each thermostat, and train faculty and staff on the proper use. Ensure that programming is adjusted over long breaks.

5. Ducts and Water Piping
   Inspect and fix air and water leaks. Seal and provide insulation on all ducts and water pipes, and inspect and repair the seals and insulation on a regular basis.

Water Heating
1. Maintenance and Temperature Adjustment
Complete routine maintenance on water heaters including flushing tanks, tuning up and repairing any water leaks. Also, set the thermostat to the lowest legal and acceptable temperature.

2. Timers

Place timers on water heaters to reduce energy use when the building is unoccupied.

3. Size and Placement

Size the water heater, so that the hot water supplied is in line with the demand. For tank-type water heaters, locate the water heaters near the area where the hot water is utilized to eliminate long runs of hot water piping. Also, provide either a booster heater or dedicated heater for kitchens and laundries where water temperatures are required to be higher.

4. On Demand Hot Water

Consider utilizing tankless-water heaters to eliminate continual heating of hot water or utilize at-the-source water heaters for single fixtures such as a sink in a science laboratory.

**Kitchens**

*Appliances*

Clean hidden coils and vents on appliance to maintain peak performance. Reduce the operating time of ovens, vent hoods, warmers, dishwashers and mixers. Do not preheat oven for more than 15 minutes. Only operate vent hoods when necessary.

**Big Deal – Big Investment**

Items that require a significant investment but can lead to significant energy savings include the following:

1. Geothermal Heating and Cooling Systems
2. Energy Management Systems
3. Solar Power
4. Wind Power
PUBLICATIONS AND LINKS

Publications

National Links
American Institute of Architects (AIA): <www.aia.org>
International Code Council (ICC): <www.iccsafe.org>
Americans with Disabilities Act (ADA): <www.ada.gov>
United States Access Board: <www.access-board.gov>

State Links
Oklahoma Board of Architects: <www.ok.gov/Architects>
Oklahoma State Department of Education: <www.sde.state.ok.us>
Oklahoma School Law Book: <http://sde.state.ok.us/Law/LawBook/default.html>
Oklahoma State Fire Marshal Homepage: <www.firemar.state.ok.us>

Sustainability Links
Alliance to Save Energy: <www.ase.org>
Energy Star: <www.energystar.gov>
Oklahoma Green Schools: <www.okgreenschools.org>
APPENDIX A

Plan Review Guidelines for Oklahoma Public School Construction Projects
Plan Review Guidelines for Oklahoma Public School Construction Projects

Legislative Authorization
In accordance with 70 O.S. § 3-104, the State Board of Education has “authority to review preliminary plans for new construction and major alteration of public school buildings where structural changes are proposed. No bids shall be let for the construction or major alteration of any public school building until preliminary plans and specifications for such construction or alteration have been submitted to and reviewed by the State Department of Education.”

Basis of Review
1. Oklahoma Statutes and Administrative Code
5. Department of Justice, 2010 ADA Standards for Accessible Design

Review Submittals
In an effort to reduce costs to school districts and to minimize the environmental impact, this office requests an electronic submittal of construction documents. Electronic files may be sent via disk, email or a link to an FTP site or other online provider. Please do not submit hard copy drawings or specifications unless electronic files are not available.

Projects shall be submitted as follows:
1. Drawing Set in PDF format, including all architectural, civil, structural, mechanical, electrical, and plumbing drawings as applicable
2. Project Manual in PDF format, including Specifications
3. Additional Information to be provided:
   a. Project Information: occupancy, construction type, square footage (new and existing), and sprinkler system provisions
   b. Estimated Cost of the Work
   c. Method of Construction (General Contractor, Construction Manager, Force, etc.)
   d. Contact Information for Correspondence - Contact name and e-mail for Architect, District Superintendent, and any other person who should receive the comments

Review Letter
After the project has been reviewed, a letter will be sent to the school district superintendent, the architect of record, and any other contacts provided.

Contact Information
This office is available to assist school districts, architects and engineers, and construction professionals. For questions or more information, please contact:

Cathleen Guthery, Director of Architectural Services
Oklahoma State Department of Education
Capital Improvement Section, Suite 433
2500 North Lincoln Boulevard
Oklahoma City, Oklahoma 73105-4599

Cathleen_Guthery@sde.state.ok.us
(405) 521-3812 (phone)
(405) 522-3559 (fax)
## APPENDIX B

### Forms

- Bid Affidavit 35
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- Statutory (Payment) Bond 47
BID AFFIDAVIT

STATE OF ___________________  ) ss.
COUNTY OF _________________  )

__________________________________, of lawful age, being first duly sworn, on oath says that she/he is the agency authorized by the bidder to submit the attached bid. Affiant further states that the bidder has not been a party to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or refrain from bidding, or with any state official or employee as to quality, or price in the prospective contract, or any other terms of said prospective contract, or in any discussions between bidders and any state official concerning exchange of money or other things of value for special consideration in the letting of contract.

Signed by: __________________________________________
Bidder

__________________________________________
(Printed name and title)

Subscribed and sworn to before me this ___________ day of ___________________, 20______.

__________________________________________
Notary Public

(My Commission Expires)

__________________________________________
Notary Seal or Stamp
BID NOTICE

Sealed Proposals will be received by ____________________________, at its office located at ____________________________, until ______ o’clock p.m., Central Time, on the ______ day of _____________, 20______, at which time said bids will be opened for furnishing all labor and material for:
______________________________________________________________________________
(Name of Project)

The bidding documents, including the drawings and specifications are on file in the above office and are open for public inspection.

Bids received more than ninety-six (96) hours, excluding Saturdays, Sundays, and holidays, before the time set for opening of bids, as well as bids received after the time set for opening of bids, will not be considered and will be returned unopened.

Bids will be publicly opened and read aloud at the above-mentioned office immediately following the closing time stated above.

The bidding documents, including the drawings and specifications, may be obtained from ____________________________, upon deposit of ($______) per set. Bidders returning drawings and project manuals in good condition will be refunded their deposit. Bidders returning documents later than ten (10) days after the bid opening will not be refunded their deposit. A bid must be submitted or notice of non-bid must be given two (2) days prior to bid date to be eligible for refund.

A cashier’s check, a certified check, or a surety bond in the amount of five percent (5%) of the base bid and all alternates shall accompany the sealed proposal of each bidder. Deposits will be returned to the unsuccessful bidders.

The time period within which a contract will be executed following award to the successful bidder is _______________ (____) days. (Not to exceed 60 days)

____________________________________ reserves the right to reject any or all bids.
(Name of Agency)

There will be a pre-bid conference at ____________________________ on ____________________________ at ____________________________

Bidding documents are available for review at the following location(s):
______________________________________________________________________________

Advertisement Published: ________________________________________________________

__________________________________________
(Name of Agency)
BUSINESS RELATIONSHIP AFFIDAVIT

STATE OF ___________________ )
COUNTY OF ___________________ ) ss.

____________________________________,
of lawful age, being first duly sworn, on oath says:
I am the duly authorized agent of __________________________, the bidder submitting the competitive bid attached to this statement.

Affiant states that the nature of any partnership, joint venture, or other business relationship presently in effect or which existed within one (1) year prior to the date of this statement with the architect, engineer, or other party to the project, is as follows:

______________________________________________________________________________
(if none, so state)

Any such business relationship then in effect or which existed within one (1) year prior to the date of this statement between any officer or director of the bidding company and any officer or director of the architectural or engineering firm or other party to the project is as follows:

______________________________________________________________________________
(if none, so state)

The names of all persons having any such business relationships and the positions they hold with their respective companies or firms, is as follows:

______________________________________________________________________________
(if none, so state)

If none of the business relationships hereinabove-mentioned exist, then include a statement to that effect.

Signed by: __________________________________________
Bidder

__________________________________________
(Printed name and title)

Subscribed and sworn to before me this ___________ day of ___________________, 20______.

__________________________________________
Notary Public

__________________________________________
(My Commission Expires)
CERTIFICATION OF ASBESTOS-FREE CONSTRUCTION

STATE OF ___________________ )
COUNTY OF _________________ ) ss.

Project: ____________________________________ School
___________________________________________ Public Schools

District No. __________________________________
________________________________________________ County, Oklahoma

__________________________________________
(Contractor) hereby certifies that no asbestos-containing material has
been furnished or installed at the above-referenced construction project.

Dated this _________ day of _____________________, 20____.

Signed by: __________________________________________
Contractor or Supplier
________________________________________________
(Printed name and title)

Subscribed and sworn to before me this _________ day of _____________________, 20____.

__________________________________________
Notary Public
__________________________________________
(My Commission Expires)
CERTIFICATION OF COMPLIANCE WITH ASBESTOS RESTRICTIONS

STATE OF ___________________ )
COUNTY OF ___________________ ) ss.

The undersigned Contractor, of lawful age, being first duly sworn, on oath says that:

A. Building materials or products incorporated or installed in the construction will be free of asbestos or asbestos products of any kind.

B. Certification of Compliance with Asbestos Restrictions will be included in any sub-contract connected with the performance of work for this project.

Dated this __________ day of ______________________________, 20__.  

Signed by: ____________________________________________
Contractor or Supplier

__________________________________________
(Printed name and title)

Subscribed and sworn to before me this __________ day of ____________________, 20__.  

__________________________________________
Notary Public

__________________________________________
(My Commission Expires)
DEFECT BOND

KNOW ALL MEN BY THESE PRESENTS:

That _____________________________ as Principal, hereinafter referred to as Contractor, and ___________________________________ a corporation organized under the laws of the state of __________ and authorized to transact business in the state of Oklahoma, as Surety, are held and firmly bound unto the Awarding Public Agency of the state of Oklahoma (Owner) in the penal sum of: ____________________ Dollars ($_____________) in lawful money of the United States of America, said sum being equal to One Hundred percent (100%) of the Contract price, for the payment of which, well and truly to be made, we bind ourselves and each of us, our heirs, executors, administrators, trustees, successors, and assigns, jointly and severally, firmly by these presents.

The condition of this obligation is such that:

WHEREAS, Contractor entered into written Contract with the Awarding Public Agency of the state of Oklahoma (Owner), on this _____, day of _____________ 20___, for the construction or repair of a public building or structure, or improvement to real property, further described as: ____________________________________________

(Name of Project)

all in compliance with the Drawings and Specifications therefore, made a part of said Contract and on file in the office of the Awarding Public Agency, of the state of Oklahoma (Owner).

NOW THEREFORE, if said Contractor shall pay or cause to be paid to the Awarding Public Agency (Owner) all damage, loss, and expense which may result by reason of defective materials, and/or workmanship in connection with said work, occurring within a period of one (1) year from and after the acceptance of said project by the Awarding Public Agency (Owner); then this obligation shall be null and void, otherwise to be and remain in full force and effect.

It is further expressly agreed and understood by the parties hereto that no changes or alterations in said Contract and no deviations from the plan or mode of procedure herein fixed, shall have the effect of releasing the sureties or any of them from the obligations of this Bond.

IN WITNESS WHEREOF, the said Contractor has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its duly authorized officers, and the said Surety has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its attorney-in-fact, duly authorized so to do, this _____ day of ________________, 20__.

__________________________________  _____________________________  _________________
Contractor       By                        Title

Attest: ______________________________ Surety: ___________________________________

By: ________________________________

Attorney-In-Fact

Address: ______________________________________________________________________

Street, City, State, Zip

Telephone: ___________________________
DESIGNATION OF PURCHASING AGENT

This is an Agency Agreement made and entered into as of the _____ day of ________________________, 20___, between __________________________________ School District, Number _____ of _____________ County, Oklahoma, a political subdivision of the state of Oklahoma (hereinafter referred to as “Owner”), and _______________________________________ (hereinafter referred to as “Contractor”).

RECITALS:
1. Owner has solicited bids for the construction project_______________________________ in _______________ County, Oklahoma; and such facilities as are necessary and appropriate for the operation thereof; which Project, on or before completion shall be owned by the Owner.
2. Contractor has been awarded the contract for the construction of the Project.
3. Owner desired to purchase all materials, supplies, and equipment for the Project in its own name and to take immediate title to all materials, supplies, and equipment, and to have Contractor, as general contractor for the Project, perform portions of such purchasing duties.

NOW THEREFORE, in consideration of the premises and in order to constitute and appoint Contractor as agent of the Owner for the purchase of equipment and materials for the Project, IT IS AGREED AS FOLLOWS:
1. Owner, as Principal, hereby constitutes and appoints Contractor as Owner’s agent, for it and in its name, to acquire materials and equipment for us in construction the Project.
2. Title to all materials and equipment purchased by Contractor as agent for Owner will pass directly from the seller thereof to Owner.
3. Contractor acknowledges that it is an agent for Owner and agrees to act as agent for Owner in connection with the acquisition of materials and equipment for the Project in the manner described above.
4. The relationship of principal and agent created by the Agreement shall continue until terminated by either party by notice in writing to the other. The parties hereby agree that all sellers or vendors of materials and equipment for the Project shall be entitled to rely upon the existence of the Agreement until they have received written notice of the revocation.
5. Contractor agrees that it will not purchase any material or equipment pursuant to the Agreement except as authorized and intended for inclusion in the Project.
6. In executing purchase orders for equipment and materials for the Project, Contractor shall include in each purchase order a statement, to be approved as to form by Owner, that Contractor is acting as Owner’s agent, individually and without power of re-designation for the purchase of the equipment and materials covered by the purchase order.
7. All equipment and materials purchased by Contractor under this Agreement shall be delivered to Owner at the Project job site.
8. Only equipment and materials to be incorporated in the Project shall be purchased by Contractor as Owner’s agent under this Agreement and no equipment and materials will be purchased except the items required by the plans and specifications for the Project. Contractor will not purchase, as agent hereunder, any equipment or materials to be used only incidentally in connection with the Project. Nothing contained herein shall alter the obligation and responsibility of the Contractor under the contract between Owner and Contractor for the construction of the Project.
9. All reimbursement by Owner to Contractor for materials and equipment purchased by Contractor as Owner’s agent hereunder shall be deemed to be a part payment on the Project contract price.
10. Contractor shall not be entitled to any compensation for its services as Owner’s agent hereunder.

IN WITNESS WHEREOF, the parties have executed this Agency Agreement as of the date first written above.

___________________________ School District, No. _______ of ________________________ County, Oklahoma

ATTEST: ______________________   ______________________
(Clerk)                            (President of Board)
(SEAL)                             (Contractor)

ATTEST: ______________________
(Secretary)
INVOICE AFFIDAVIT

STATE OF ____________________ )
COUNTY OF __________________ ) ss

I the undersigned (Architect, Contractor, Supplier, Engineer), of lawful age, being first duly sworn on oath says that this invoice or claim is true and correct to the best of my knowledge. Affiant further states that the (work, services, or materials) as shown by this invoice or claim have been (completed or supplied) in accordance with the plans, specifications, orders or requests furnished the affiant. Affiant further states, that (s)he has made no payment directly or indirectly to any elected official, officer, employee of the state of Oklahoma, any county or subdivision of the state, or employee of the Awarding Public Agency (Owner), of money or any other thing of value to obtain payment of the invoice or procure the contract or purchase order pursuant to which an invoice is required.

Signed by: ____________________________________________
Contractor or Supplier
____________________________________________
(Printed name and title)

Subscribed and sworn to before me this __________ day of _____________________, 20 ___.

Notary Public
My Commission Expires:________________________________
My Commission Number: ____________________________

(SEAL)
NON-COLLUSION AFFIDAVIT

STATE OF ____________________ )
COUNTY OF __________________ ) ss

_________________________________, of lawful age, being first duly sworn, on oath says:

1. I am the duly authorized agent of ______________________, the bidder submitting the competitive bid attached to this statement, for the purpose of certifying the facts pertaining to the existence of collusion among bidders and between bidders and state officials or employees, as well as facts pertaining to the giving or offering of things of value to government personnel in return for special consideration in the letting of any contract pursuant to said bid;

2. I am fully aware of the facts and circumstances surrounding the making of the bid to which this statement is attached and have been personally and directly involved in the proceedings leading to the submission of such bid; and

3. Neither the bidder nor anyone subject to the bidder’s direction or control has been a party:
   a. to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding,
   b. to any collusion with any state official or employee as to quantity, quality or price in the prospective contract, or as to any other terms of such prospective contract, nor
   c. in any discussions between bidders and any state official concerning exchange of money or other things of value for special consideration in the letting of a contract.

Signed by: ____________________________________________
Bidder

____________________________________________
(Printed name and title)

Subscribed and sworn to before me this ________ day of _____________________, 20 ___.

___________________________________________________
Notary Public

My Commission Expires: _______________________________
My Commission Number: _______________________________

(SEAL)
NOTICE TO PROCEED

To: __________________________________________
   (Contractor)

From: __________________________________________
   (Awarding Agency)

YOU ARE HEREBY NOTIFIED that all contract documents have been executed and accepted in relation to the Contract entered into on the _____ day of _____________________, 20 _____, by and between ___________________________________________________________, acting by and through the _______________________________ and ___________________________, (State or Other Entity) (Name of Agency) (Contractor)

and that work may now be commenced in accordance with said Contract.
KNOW ALL MEN BY THESE PRESENTS:

That ________________________________ as Principal, hereinafter referred to as Contractor, and ___________________________________________ a corporation organized under the laws of the state of _________________ and authorized to transact business in the state of Oklahoma, as Surety, are held and firmly bound unto the Awarding Public Agency of the state of Oklahoma (Owner) in the penal sum of: _____________________________ Dollars ($_____________) in lawful money of the United States of America, said sum being equal to One Hundred percent (100%) of the Contract price, for the payment of which, well and truly to be made, we bind ourselves and each of us, our heirs, executors, administrators, trustees, successors, and assigns, jointly and severally, firmly by these presents.

The condition of this obligation is such that:

WHEREAS, Contractor entered into a written Contract with the Awarding Public Agency of the state of Oklahoma (Owner), this _____ day of _________________, 20___, for the construction or repair of a public building or structure, or improvement to real property, further described as: _______________________________

(Name of Project)

all in compliance with the Drawings and Specifications therefore, made a part of said Contract and on file in the office of the Awarding Public Agency of the state of Oklahoma (Owner).

NOW THEREFORE, if said Contractor shall, in all particulars, well, truly and faithfully perform and abide by said Contract and each and every covenant condition, and part thereof and shall fulfill all obligations resting upon said Contractor by the terms of said Contract and said Specifications; and if said Contractor shall protect and save harmless said Awarding Public Agency (Owner) from any pecuniary loss resulting from the breach of any of the items, covenants and conditions of said Contract resting upon said Contractor, then this obligation shall be null and void, otherwise to be and remain in full force and effect.

It is further expressly agreed and understood by the parties hereto that no changes or alterations in said Contract and no deviations from the plan or mode of procedure herein fixed shall have the effect of releasing the sureties or any of them, from the obligations of this Bond.

IN WITNESS WHEREOF, the said Contractor has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its duly authorized officers, and the said Surety has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its attorney-in-fact, duly authorized so to do, the day and year set forth below.

Dated this ______ day of ____________________ , 20____.

Contractor: __________________________  Attest: __________________________

By: ________________________________  Surety: __________________________

Title: _______________________________  By: __________________________

Address:____________________________  Telephone:_______________________
STATEMENT OF COMPLIANCE REGARDING PROHIBITION OF FELONY AND SEX OFFENDERS ON SCHOOL PREMISES

Senate Bill 588
Section 1:
A. It is unlawful for any person registered pursuant to the Oklahoma Sex Offenders Registration Act to work with or provide services to children or to work on school premises, or for any person or business who Offers Or Provides services to children or contracts for work to be performed on school premises to knowingly and willfully allow any employee to work with children or to work on school premises who is registered pursuant to the Oklahoma Sex Offenders Registration Act. Upon conviction for any violation of the provisions of this subsection, the violator shall be guilty of a misdemeanor punishable by a fine not to exceed One Thousand Dollars ($1,000.00). In addition, the violator may be liable for civil damages.
B. A person or business who offers or provides services shall ensure compliance with subsection A of this section as provided by Section 6-101.48 of Title 70 of the Oklahoma Statutes.

Section 2:
A. No person or business having a contract with a school or school district to perform work on a fulltime or part-time basis that would otherwise be performed by school district employees shall allow any employee to work on school premises if such employee is convicted in this state, the United States or another state of any felony offense unless ten (10) years has elapsed since the date of the criminal conviction or the employee has received a presidential or gubernatorial pardon for the criminal offense.
B. Every person or business performing services not subject to subsection A of this section on the property of a school or school district shall be required to sign a statement declaring that no employee working on school premises under the authority of such business is currently registered under the provisions of the Oklahoma Sex Offenders Registration Act and that the business is not in violation of the provisions of this section. Compliance with this statute shall be required of the person or private business and there shall be no obligation placed upon a school district to ascertain the truthfulness of the affidavit.
C. A person or business having a written contract with a school or school district to perform work on a full-time or part-time basis that would otherwise be performed by school district employees may conduct a felony search of the employees of the person or entity who would be assigned that work through a request to the State Board of Education in the same manner as a felony search afforded school districts by Section 5-142 of Title 70 of the Oklahoma Statutes.

The undersigned is familiar with the facts stated above and agrees that this law will be observed.

Person/Business Name ___________________________________________________________
Authorized Representative ________________________________________________________
Authorized Representative’s Signature _____________________________________________
Social Security Number or Federal ID Number _______________________________________
Date _______________ Project ____________________________________________________
For __________________________________________________ School District, No. ______
of __________________________________________________ County, Oklahoma.

Return Statement of Compliance to: School District Name, District Code, City, State, Zip
STATUTORY BOND

KNOW ALL MEN BY THESE PRESENTS:

That ______________________________ as Principal, hereinafter referred to as Contractor, and ______________________________ a corporation organized under the laws of the state of ______________ and authorized to transact business in the state of Oklahoma, as Surety, are held and firmly bound unto the Awarding Public Agency of the state of Oklahoma (Owner) in the penal sum of: _____________________________ Dollars ($_____________) in lawful money of the United States of America, said sum being equal to One Hundred percent (100%) of the Contract price, for the payment of which, well and truly to be made, we bind ourselves and each of us, our heirs, executors, administrators, trustees, successors, and assigns, jointly and severally, firmly by these presents.

The condition of this obligation is such that:

WHEREAS, Contractor entered into a written Contract with the Awarding Public Agency of the state of Oklahoma (Owner), this ____ day of ________________, 20___, for the construction or repair of a public building or structure, or improvement to real property, further described as: 

(Name of Project) all in compliance with the Drawings and Specifications therefore, made a part of said Contract and on file in the office of the Awarding Public Agency of the state of Oklahoma (Owner).

NOW THEREFORE, if said Contractor shall, in all particulars, well, truly and faithfully perform and abide by said Contract and each and every covenant condition, and part thereof and shall fulfill all obligations resting upon said Contractor by the terms of said Contract and said Specifications; and if said Contractor shall protect and save harmless said Awarding Public Agency (Owner) from any pecuniary loss resulting from the breach of any of the items, covenants and conditions of said Contract resting upon said Contractor, then this obligation shall be null and void, otherwise to be and remain in full force and effect.

It is further expressly agreed and understood by the parties hereto that no changes or alterations in said Contract and no deviations from the plan or mode of procedure herein fixed shall have the effect of releasing the sureties or any of them, from the obligations of this Bond.

IN WITNESS WHEREOF, the said Contractor has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its duly authorized officers, and the said Surety has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its attorney-in-fact, duly authorized so to do, the day and year set forth below.

Dated this _____ day of ____________________, 20__.

Contractor: __________________________  Attest: __________________________

By: ________________________________  Surety: ______________________________

Title: ______________________________  By: ______________________________

Address:____________________________

Telephone:__________________________