# Contract Exhibit B Request for Pricing Specifications

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The Project will also follow the following criteria:

### General

All aspects of the building will comply with the requirements of the Texas Commission on Jail Standards, New Construction Rules, Chapter 259, New Maximum Security Design and Chapter 263, Life Safety Rules. Design for conversion of holding cells to multiple occupancy cells may be based on TCJS Minimum Jail Standards, Section 259.400 New Minimum Security Design, concerning application of safety vestibules for multiple occupancy cells.

Facility Design is based on the International Building Code in the version as currently applied by the City of Livingston, Texas.

Where used herein, the term "Contractor" shall mean "Design/Builder".

### Site Work

Extent of contract limits will be limited to the area of the Project building addition and related work.

Contractor will remove topsoil in construction area and stockpile for finish grading. Contractor will remove excess topsoil and properly dispose of offsite.

Contractor will excavate building location and establish compacted sub grade. Contractor will remove excavated material and dispose of offsite.

Contractor will patch asphalt paving where disturbed by new construction and relocation of grease trap. Contractor will provide concrete walks at new exits as required.

Contractor will provide chain link perimeter and intermediate fencing as required to maintain perimeter security. Temporary fencing shall be provided as necessary during construction. Security fence will be designed and constructed to match existing fence.

Contractor will provide finished grading of construction area to properly drain. Contractor will maintain storm water run off as required by authorities having jurisdiction during construction.

Contractor shall extend water and sewer lines from existing building. Contractor shall relocate existing grease trap beyond new Project addition area.

### **Foundation**

Foundation will be an engineered concrete foundation comparable to existing building foundation. Slab thickness will be a minimum of 5". Concrete will be a minimum of 3000 psi compressive strength at 28 days. Perimeter beams, interior beams and column

footings will be sized in accordance with engineered design based on sub surface geotechnical investigation to be accomplished by Design/Builder.

### **Building Structure**

Concrete tilt wall panels or reinforced concrete masonry walls supporting a preengineered metal building roof system will serve as the main building structure. Metal building system will be designed to meet the International Building Code (IBC) in the version as currently applied by the City of Livingston, Metal Building Manufacturer's Association: Low Rise Building Standards and the building requirements of Livingston, Texas.

Wind load design shall be based on wind speed schedule of IBC using the importance factor for "Essential Facilities". Live loads, dead loads and collateral loads shall be calculated in accordance with IBC.

Metal building manufacturer shall provide design documents and calculations bearing the seal of a Registered Professional Engineer licensed in the State of Texas and serving as Engineer of Record for the building structure.

Building structure shall be a complete system consisting of primary framing, secondary framing, roof panels, fasteners, trim and accessories.

Concrete tilt wall panels shall conform to PCI standards of design and construction. Reinforced Masonry shall be designed for structural loading and meet TCJS security requirements.

### **Roof Panels**

Roof system shall be standing seam interlocking design. Roof panels shall be 24-gauge steel with galvalume finish. Concealed fastening system with clips having two way expansion capability shall be used. Roof curbs compatible with roof system shall be provided for roof top air handler units, vent fans and air intakes. Contractor to provide all ridge and edge trim, gutters, downspouts and closure pieces. All trim pieces shall have Kynar enamel finish to match existing building.

### Insulation

Project shall be designed to meet the International Energy Conservation Code.

### Interior Walls

Walls of holding cells shall be CMU with vertical reinforcing at 8" on center and fully grouted cells. Wall height shall be 8'-0" minimum. Security perimeter and fire walls will extend to underside of roof deck.

Walls at non-holding areas will be 6" and 8" CMU with horizontal joint reinforcing.

### Ceiling

All ceilings throughout the holding area including cells, laundry, corridors, and guard station shall be 8" concrete hollow core planks at 8'-0" AFF.

### **Finishes**

All interior surfaces shall be provided with NFPA Class A finishes. All walls shall be painted with durable enamel. Inmate holding areas shall have epoxy sealed concrete floors. Shower areas in inmate areas will be provided with non slip seamless surface. Corridors shall have vinyl composition tile. Laundry shall have non-slip seamless floor. Holding cell floors shall be continuously sloped to floor drains.

### **Doors**

Detention doors will be 14 gauge hollow metal. Hollow metal doors with required fire rating will be provided at fire-rated partitions. Detention door frames will be 12 gauge hollow metal.

### Hardware

Detention area doors shall receive detention-type hardware and locks (paracentric or mogul cylinder). Remote operated locks will be provided where required. All remote operated detention locks will be electro-mechanical locks and will have mechanical means of release at the door. All detention door hardware will comply with Texas Commission on Jail Standards requirements. All doors for inmate movement will be equipped with electro-mechanical locks.

### **Detention Equipment**

All detention furnishings such as bunks, tables, stools will be made of heavy gauge steel. Detention benches in holding cells shall be 12 ga. Stainless steel. Detention mirrors will be bright polished stainless steel. Observation panels, speaking devices, shutters and lockable food passes will be provided in cell doors.

### **Detention View Windows**

In inmate housing holding cells the view windows will be 14 gauge hollow metal frames with ½" polycarbonate glazing and 3/8"x 2" woven rod fabric.

### **Security Electronics**

Security systems will be comparable to existing facility and incorporated into existing central control room. The closed circuit video system will consist of color cameras and

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monitors for viewing of inmate movement, security and control of corridors; laundry and building exterior. At least one viewing monitor will be provided for each set of eight cameras. Cameras will be recorded on a digital recording system. Video system will be integrated into touch screen control system. Spot monitors will be provided for door control and related intercom/camera call up.

A complete audio monitoring and intercommunications system will be provided in the detention area to allow continuous voice communication between control personnel and inmates. System will consist of a master control at central control with a two way intercom. Speakers with push to call buttons at remote stations will be provided. Remote stations will be made of stainless steel and shall be vandal resistive. Audio system will be integrated into touch screen control system.

A touch screen door control system will be provided for operation and monitoring of remote-operated doors. Touch screen console will be provided at Central Control.

All control and power wiring to the door lock system, closed circuit video system, audio monitoring system and fire alarm system will be provided with both normal and emergency power and uninterrupted power source (UPS).

### Laundry

Laundry area will be approximately 350 square feet. Contractor shall provide commercial grade extractors and dryers in laundry area to serve holding addition population. Provision shall be made for laundry supplies and sorting, folding and storage of laundry.

### **Plumbing**

All plumbing fixtures in the detention areas will be detention type fixtures of one piece stainless steel. Each lavatory will be provided with drinking bubbler. Units will be supplied with cold and tempered water. Mixing valves will be provide as required by plumbing codes. Flush valves shall be vandal resistive non-hold-open push button type. Shut off valves for all detention fixtures will be provided in plumbing chases. Hose connections will be provided in all pipe chases.

Showers will be provided with a vandal resistive showerhead and drain. Shower push button type valve will be supplied with tempered water. Showers will be provided in each holding cell.

Required accessible fixtures will be provided in inmate areas and comply with Texas Accessibility Standards.

All fixtures exposed to inmates will utilize vandal-resistive fasteners.

All water lines will be fabricated of type L hard copper. Hot and tempered water lines will be insulated with 1" thick fiberglass insulation

All interior above grade sewer and drainage lines may be PVC. PVC pipe may be used in other plumbing areas, under floor sewer lines and underground outside of building.

Fire protection: All areas will be provided with an automatic fire sprinkler and standpipe system in accordance with NFPA 13. Fire hose cabinets will be fitted with a reinforced 1 ½ "by 100' long fire hose with variable steam nozzle and 2 ½" fire department connection. Fire hose cabinets shall be provided in accordance with the piping requirements of NFPA 14, class III. Project shall be connected to existing facility fire line connected to the public water system.

### **Mechanical System**

HVAC System: Equipment shall be roof mounted A/C package units to match existing facility equipment. All areas will be conditioned to maintain temperatures between 65 degrees F and 85 degrees F with 50% relative humidity year round. Air handling units serving the inmate areas will be continuous duty type and will be supplied by normal power. Ducts shall be galvanized sheet metal with external insulation.

Ventilation and Smoke Exhaust System: Normal ventilation will be provided through the air conditioning system fan operation. The smoke exhaust system will be activated through the fire alarm system, which will shut down the air conditioning systems in the alarm area, open outside air inlet dampers, and energize smoke exhaust fans. Changeover dampers will operate when in the smoke exhaust mode and smoke exhaust fans will supply makeup air to the smoke exhaust system. Supply and exhaust air quantities will be in excess of 15 air changes per hour.

Smoke exhaust and supply fans will be provided with emergency back up power.

### Electrical

Building Service: 277/480 volts, 3 phase, 60 Hertz. It is anticipated existing facility electrical services is adequate to supply building addition.

Conduit System: All above grade conduits will be intermediate metallic conduit with threaded fittings and EMT with watertight couplings

Conductors: All conductors shall be copper, rate for 600 volts

Grounding: The entire electrical system will be grounded in accordance with applicable codes

Lighting: Lighting fixtures in building will be fluorescent vandal resistive security fixtures with polycarbonate prismatic diffusers and tamper resistant mounting to match existing fixtures. Task areas in cells will be provided with minimum 20 foot candles of

illumination and all cells will have night lighting. Proper lighting will be provided at all exits. Exit lights will be provided in accordance with applicable codes. Building perimeter lighting will be provided by appropriately sized wall mounted exterior building fixtures.

Emergency Power System: Existing emergency generator will be used to supply life safety systems, audio monitoring system, ventilation equipment required for smoke detection, smoke evacuation system, remote locking systems and lighting fixtures and power receptacles. Generator is self starting with automatic transfer switch.

Fire Detection and Alarm Systems: An alarm system consisting of automatic smoke/heat detectors and manual initiating devices served by central control panel will be provided. The activation of a detection device shall initiate the operation of the smoke exhaust system. Alarms will sound automatically at the control panel, guard stations and in the administrative area. Fire alarm system shall be compatible with existing system.

Inmate Receptacles: Power receptacles will be provided in inmate housing areas as required by the Jail Commission for future conversion to housing units. All inmate power receptacles will be switched individually and be on circuits protected by ground fault interrupting type circuit breakers

Data/Telephone System: The Operator shall contract separately for the telephone system. The construction contract shall include data/telephone outlets and conduit, with pull wire and telephone terminal board. Interconnection capability to existing facility shall be provided by Contractor.

- 1.2 Must be designed and built in strict compliance with any applicable regulations of the Texas Commission on Jail Standards and any applicable requirements of the Bureau of Immigration and Customs Enforcement.
- 1.3 The County does not have sufficient information at this time from which to establish a fixed construction budget. It is the County's intent to proceed with this Project absent the onset of unforeseen financial difficulties based on its assumption that the proposals received will be competitive.

### Contract Exhibit C

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# J.E. KINGHAM Construction Company



CONTRACTORS • MANAGERS 312 TYLER ST., P.O. BOX 630632, NACOGDOCHES, TEXAS 75963 936-564-3329 / FAX 936-569-7544

October 13, 2009

Honorable Judge John Thompson Polk County 101 West Church Livingston, Texas 77351

Re: Polk County Detention - Inmate Holding Addition

Dear Honorable Judge Thompson:

Our proposed Guaranteed Maximum Price for performing the design and construction of the above referenced project is \$1,785,000.00, the basis of which is listed below:

- 1. Information included in the Request for Proposals dated September 11, 2009.
- 2. Various meetings with architects, engineers, county officials and prison administrators.
- 3. Specifications relevant to pricing information.
- 4. Plans by Deborah Williams Architecture, L.P.

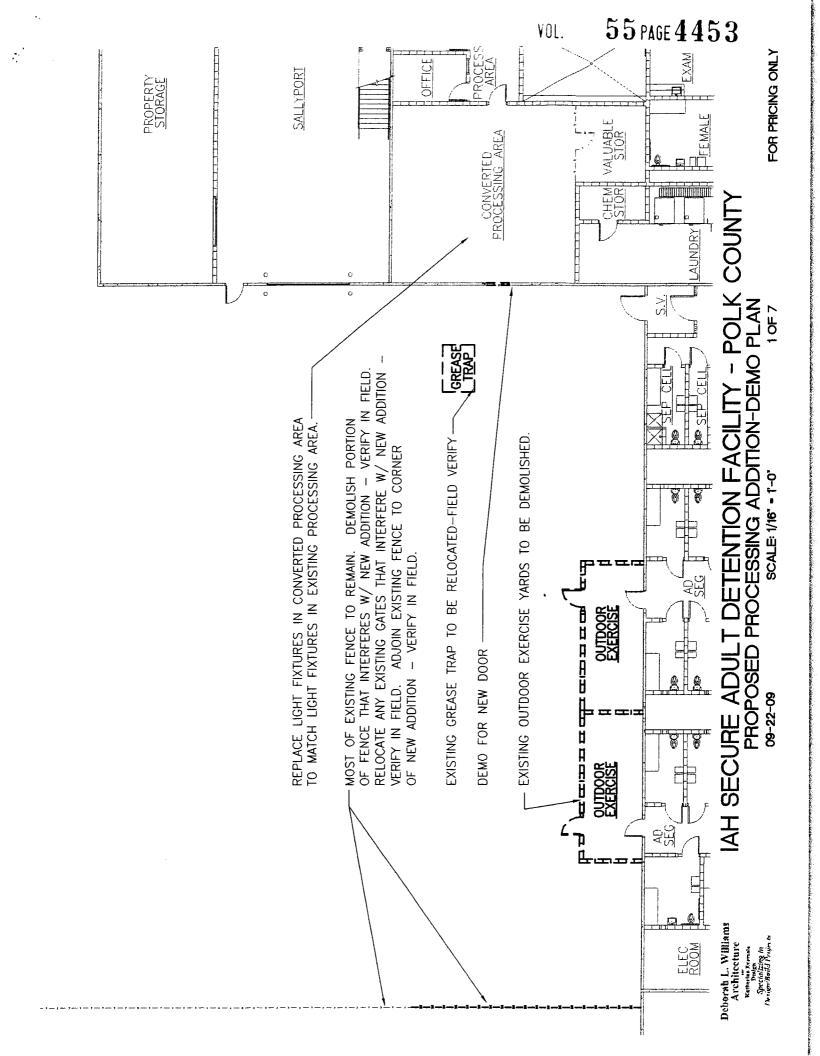
### Qualifications:

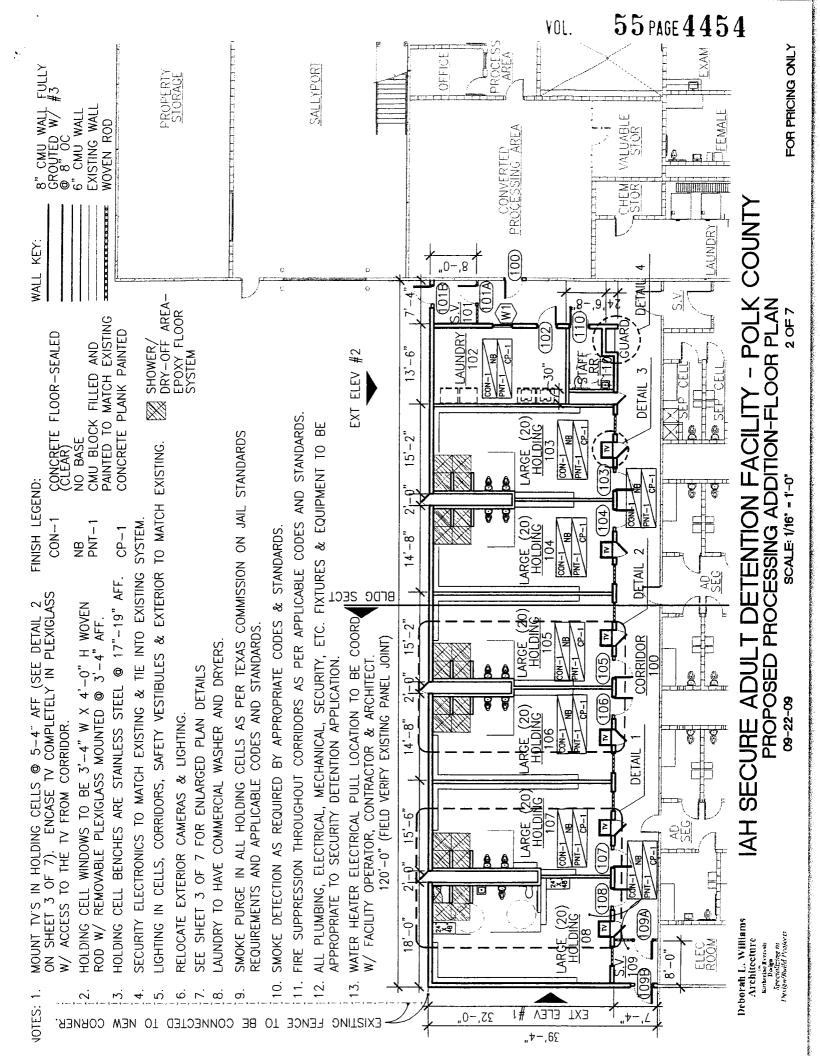
- 1. Addition of New Generators Not in Contract
- 2. Connection of the Telephone and Data Systems Not in Contract
- 3. Safety Vestibules for Multiple Occupancy Cells Not in Contract
- 4. Television Sets will be furnished and installed by Owner.
- Bunks, tables and stools Not in Contract
- 6. Laboratory testing allowance of \$3,500.00 is included.
- 7. Sales Tax is NOT included.
- 8. Bonding included.
- 9. Additional scope not enumerated in this document is excluded.

### Alternates:

Alternate #1 - \$711,654.00: Replace the two existing generators with single generator sized to serve the entire facility.

Alternate #2 - \$608,940.00: Retain the two existing generators and add a third generator sized only for the loads that are not currently backed up with the existing generators.





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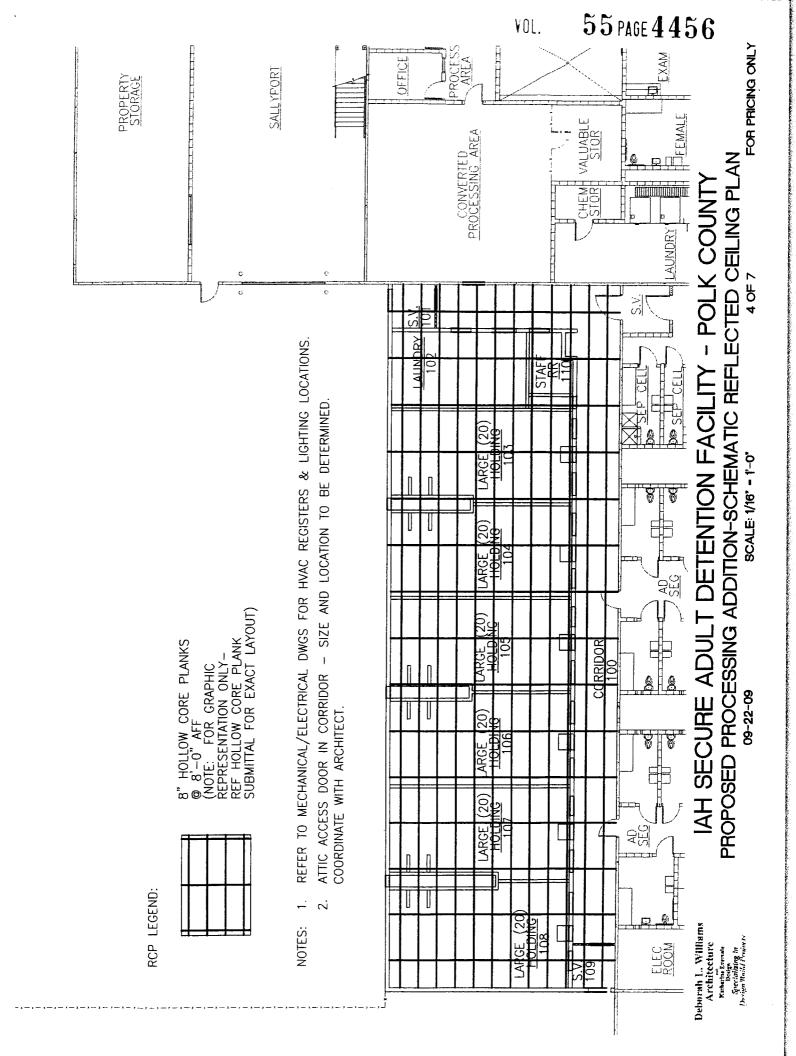
# DETENTION FACILITY - POLK COUNTY IAH SECURE ADULT I

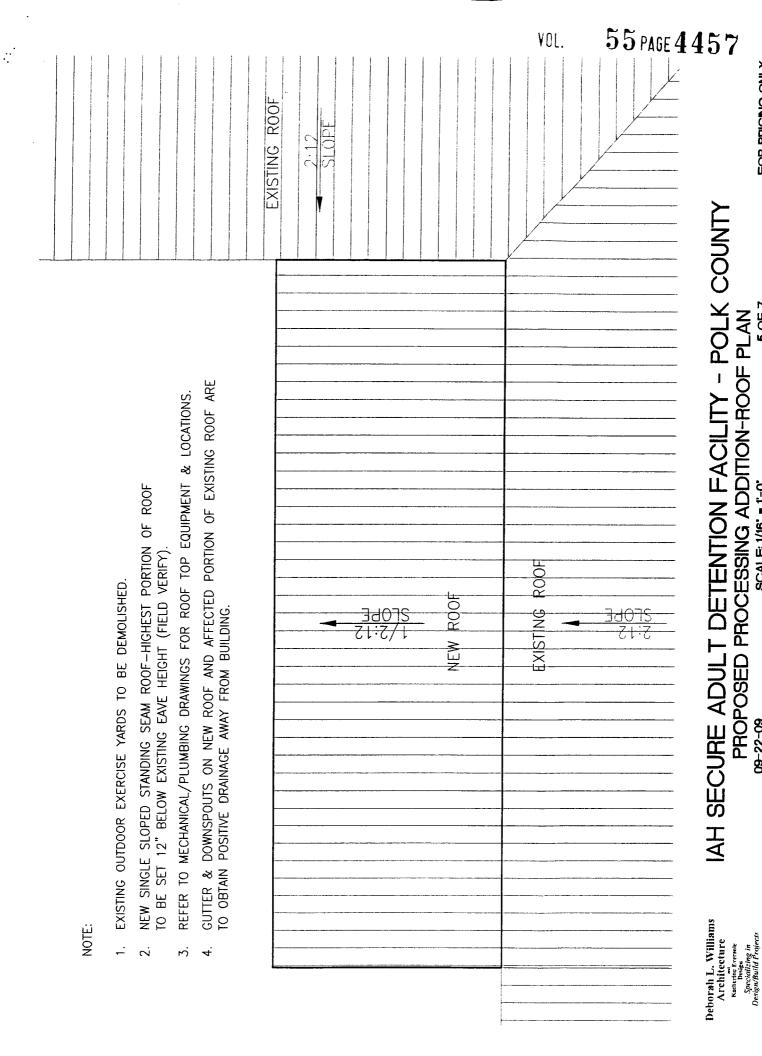
PROPOSED PROCESSING ADDITION-DETAILS SCALE: VARIES

Specializing in Design/Build Fratecis

Architecture Natherine Everante Design

FOR PRICING ONLY





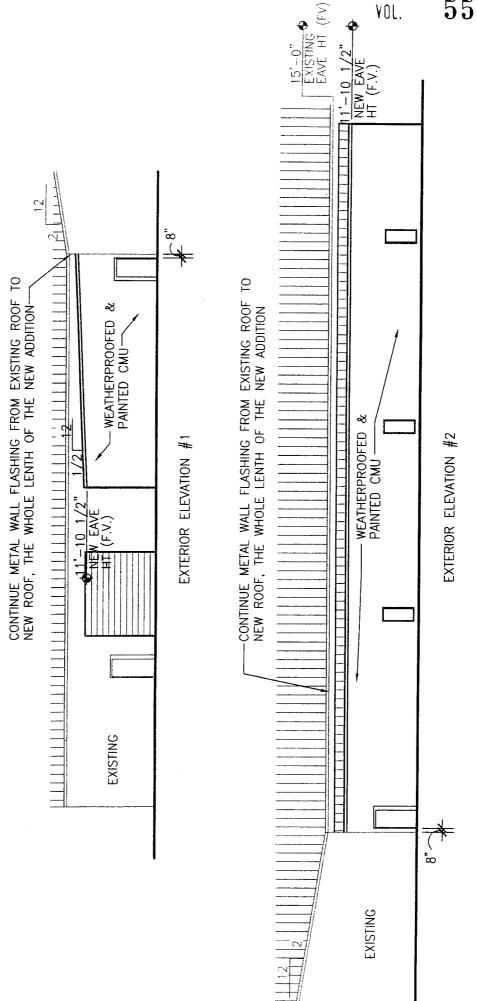
FOR PRICING ONLY

5 OF 7

SCALE: 1/16" = 1'-0"

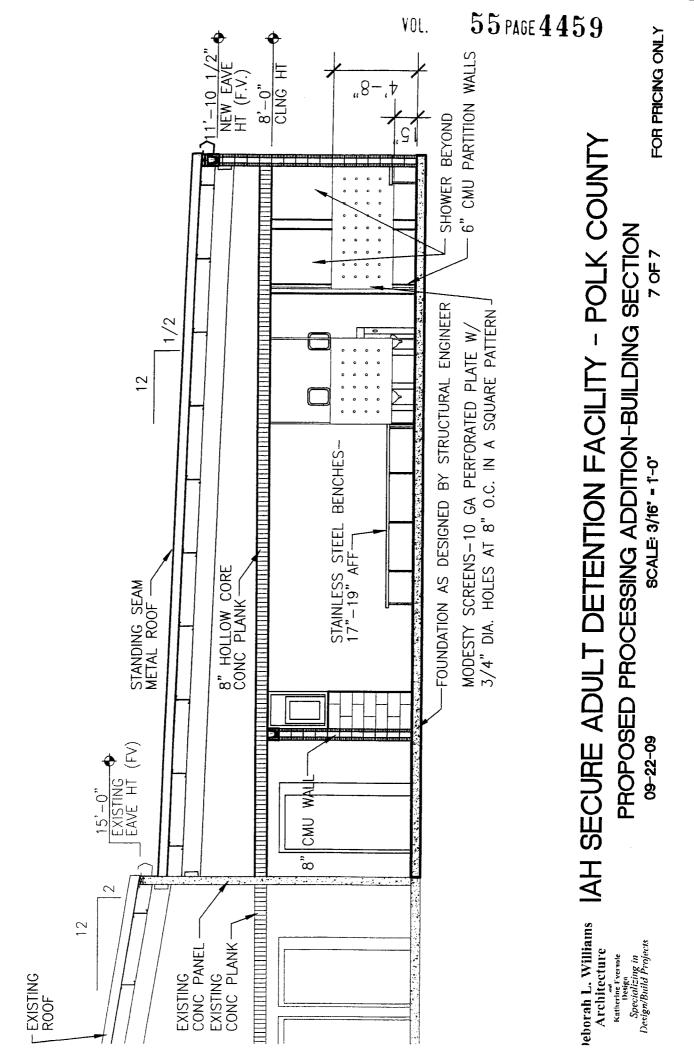
FOR PRICING ONLY

- NOTES:
- RELOCATE AND/OR SUPPLEMENT EXISTING EXTERIOR LIGHTS, SECURITY CAMERAS, GUTTERS, DOWNSPOUTS AS NEEDED.
  - FIELD VERIFY EXISTING EAVE HEIGHTS TO DETERMINE EAVE HEIGHT OF ADDITION.
- GUTTER AND DOWNSPOUTS ON NEW ROOF AND AFFECTED PORTION OF EXISTING ROOF ARE TO OBTAIN POSITIVE DRAINAGE AWAY FROM BUILDING.
- NEW SINGLE SLOPED STANDING SEAM ROOF-HIGHEST PORTION OF ROOF TO BE SET 12" BELOW EXISTING EAVE HEIGHT (FIELD VERIFY.)



Deborah 1.. Williams Architecture Specializing in Design/Build Projects

IAH SECURE ADULT DETENTION FACILITY - POLK COUNTY PROPOSED PROCESSING ADDITION-EXTERIOR ELEVATIONS



### Contract Exhibit D

J.E. Kingham Construction Company Proposed Alternates

Alternate #1 – Replace the two existing generators with a single generator sized to serve the entire facility.

Alternate #2 – Retain the two existing generators and add a third generator sized only for the loads that are not currently backed up with the existing generators.

Alternate #3 – A hybrid of the two above options; retain the existing generators and add anew generator sized to back up the entire facility load.

Alternate #4 – Upgrade the HVAC to be a computer controlled managed system.

March 11, 2009

Mr. John P. Thompson, County Judge Polk County Courthouse 101 W. Church Street, Ste 300 Livingston, TX 77351

Re: IAH Detention Facility Processing Addition Generator Alternates

Mr. Judge Thompson:

As requested we herewith are submitting three alternate proposals for the "Emergency Backup Power". Attached are the descriptions and scope of work to be performed.

<u>Alternate #1:</u> \$711,654.00 – Replace the two existing generators with a single generator sized to serve the entire facility.

Option A to Alternate #1: Electrical subcontractor has offered to purchase the two existing generators for the lump sum of \$60,000, reducing the price of Alternate #1 to \$651,654.00.

<u>Alternate #2:</u> \$608,940.00 – Retain the two existing generators and add a third generator sized only for the loads that are not currently backed up with the existing generators,

Alternate #3: \$711,654.00 – A hybrid of the two above options; retain the existing generators and add a new generator sized to back up the entire facility load.

The work will be done in conjunction with the proposal that we submitted to you on February 12, 2009 (attached).

Respectfully submitted,

Jack Smith Project Manager

Cc: Gary Adams

March 11, 2009

### Overview:

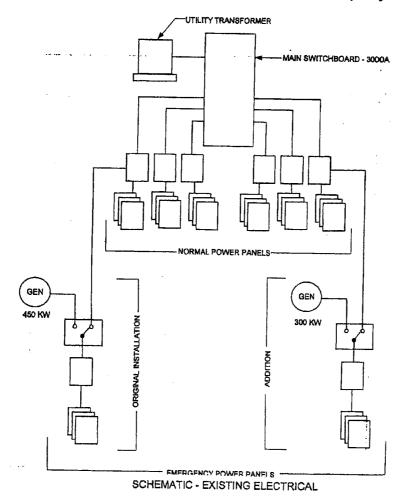
The IAH Secure Adult Detention Facility (IAH) located in Livingston, TX was subjected to an extended number of days without commercial electrical power during the aftermath of Hurricane Ike. As requested to minimize the impact of any future power outages, listed below will show three alternate choices for emergency backup power.

The existing electrical system has two existing generators; one installed at the time the facility was built; the second one was installed after adding two wings to the existing facility. The two existing generators are sized to provide emergency backup power for what is required by code.

This install will be completed with the following assumptions:

- 1. The generator will be equipped with all options required for standard operation.
- 2. Generator housing will be weather-proof, but not sound attenuating.
- 3. Generator fuel will be diesel.
- 4. A base mounted fuel tank sized for 24 hours operation without refueling will be included. An above ground storage tank can be included for an additional cost.
- 5. The generator will be sized for standby emergency service as required based on alternate chosen.

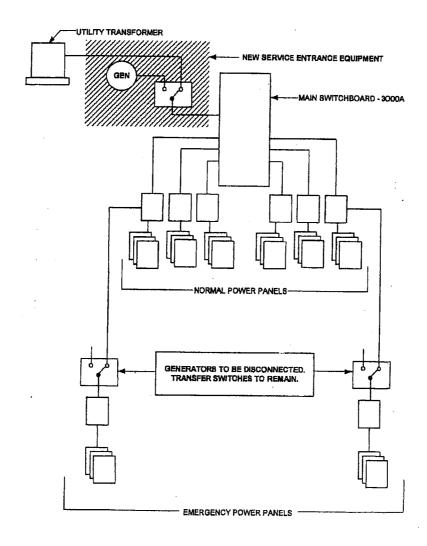
It is our understanding that the goal is to have the whole facility backed up 100% on emergency backup power. A conceptual schematic diagram of today's system is shown below:



Alternate #1: - Replace the two existing generators with a single generator sized to serve the entire facility.

### Single Generator Configuration:

With this option a new generator/ATS will be installed ahead of the service entrance switchboard. This equipment will be sized as standby emergency power to serve the entire facility at peak load conditions. The two existing generators will be removed from service at this facility with this option. However, it is recommended that the existing ATS's for these two generators remain connected as existing. They can be locked in the "normal power" position. In the event of extended downtime on the proposed service entrance generator, rental generators can be connected to these ATS's on a temporary basis to back-up the facility's critical loads. This configuration is shown conceptually in figure 2 below:

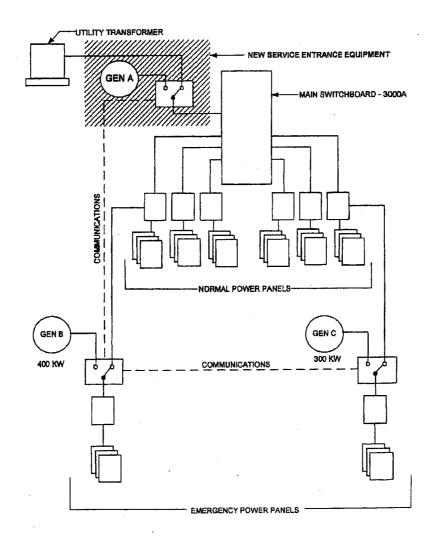


SCHEMATIC - SINGLE GENERATOR CONFIGURATION NOT TO SCALE

Alternate #2: - Retain the two existing generators and add a third generator sized only for the loads that are not currently backed up with the existing generators,

### Three Generator Configuration:

This option retains the two existing generators and adds a generator at the service entrance equipment similar to Alternate #1. However, the new generator will be sized to serve only the loads that are not backed up by the two existing generators (normal power). This option has a cost advantage over Alternate #1 due to the smaller generator requirement. If either of the existing generators serving critical loads fails to start, it will be possible to keep the critical loads in service (loads served from emergency panels) by manually turning off most of the normal load and using the service entrance generator to serve only the critical loads. This configuration offers additional reliability; one generator can fail without loss of emergency service to any of the critical loads. This configuration is shown conceptually in figure 3 below.

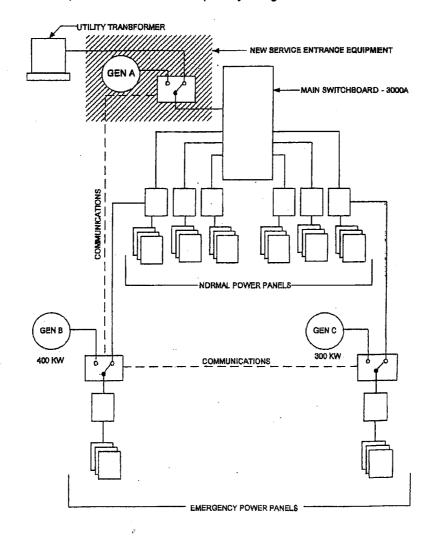


SCHEMATIC - ELECTRICAL NOT TO SCALE

Alternate #3: – A hybrid of the two above options; retain the existing generators and add a new generator sized to back up the entire facility load.

### Hybrid Generator Configuration:

This option is a hybrid of Alternates 1 and 2. The two existing generators will remain connected as existing, and a new service entrance generator will be sized to serve the entire facility. Upon failure of commercial utility power, the system can be configured to automatically transfer to the generator at the service entrance ATS. The two existing generators will start, but they will not transfer to serve their respective loads until it has been determined that the service entrance generator has failed. At that time the two existing generators will be connected to serve their respective critical loads. This scheme can be accomplished automatically with communications between the three generators. Optionally the system can be configured to start all three generators and bring them on-line immediately upon commercial power failure. Then, in the event of Failure on either to the two existing generators, the corresponding emergency loads can be automatically transferred to the service entrance generator. This option provides the same redundant back-up for the critical loads that Alternate #2 provides, but on an automatic basis. This option is shown conceptually in figure 3.



SCHEMATIC - ELECTRICAL
NOT TO SCALE

# J.E. KINGHAM Construction Company



**CONTRACTORS · MANAGERS** 312 TYLER STREET, P.O. BOX 630632, NACOGDOCHES, TEXAS 75963 PHONE 936-564-3329 / FAX 936-569-7544



October 5, 2009

Mr. John P. Thompson, County Judge Polk County Courthouse 101 W. Church Street, Ste 300 Livingston, TX 77351

Re: IAH Detention Facility Processing Addition Upgrade of HVAC Controls

Mr. Judge Thompson:

We herewith are submitting an alternate proposal for the "Upgrade of the HVAC to a Computer Managed System" in the sum of \$18,150.00, Eighteen Thousand One Hundred Fifty Dollars. This was a suggestion made by the HVAC subcontractor to Warden Hardin at the tour of the facility held on January 13, 2009. This work will be done in conjunction with the regularly scheduled work.

Respectfully submitted.

Cc: Gary Adams

## Contract Exhibit E

J.E. Kingham Construction Company Projected Schedule of Work

 $55\,\mathrm{PAGE}\,4468$ VOL. Laundry Equ Security Doors & Ha Security El MEP @ Mechai Epoxy Floor & Wall Coati Electrical - Se ► HVAC Start-L ■ Plumbing - Set 니트 Detention Furniture ■ Pre-Engineered Structure 8 Seal Concrete Floors Final Final Finish milestone point Start milestone point Summary bar Progress bar Painting Critical bar Masonry - Load Bearing Early bar ■ Detention Door/Frame/Hardware/Glass Submittal L Hollow Metal Frames Construct Building Pad ► Site Demolition & Clearing Pre-Engineered Building Submittals Foundation ■ Owner's Review and Approval of Documents Relocate Grease Trap ■ Develop Construction Drawings ► Notice To Proceed from Owner J.E. KINGHAM CONSTRUCTION COMPANY IAH SECURE ADULT DETENTION FACILITY LIVINGSTON, TEXAS Confirm Design-Build Price 312 TYLER STREET NACOGDOCHES, TX 75961 2009 NOV 06AUG10 26MAR10 14OCT09 14MAY10 09AUG10 1d 13OCT09 13OCT09 9DEC09 16DEC09 5d 08FEB10 \* 12FEB10 26FEB10 02APR10 07MAY10 11JUN10 25JUN10 18JUN10 25JUN10 Early Finish 19FEB10 04JUN10 25JUN10 09JUL10 15JAN10 15JAN10 20JUL10 09JUL10 16JUL 10 23JUL10 16JUL 10 20d 01MAR10 5d 29MAR10 30d 17MAY10 40d 17MAY10 1d 09AUG10 20d 17DEC09 30d 29MAR10 5d 10MAY10 15d 17MAY10 1d 140CT09 40d 15OCT09 5d 10DEC09 20d 17DEC09 5d 07JUN10 10d 14JUN10 5d 14JUN10 5d 21JUN10 10d 28JUN10 15d 28JUN10 5d 15FEB10 10d 15FEB10 20d 28JUN10 10d 26JUL 10 Early Start 5d 12JUL10 2d 19JUL10 Orig Dur 2000 Detention Door/Frame/Hardware/Glass Submittal 1030 Owner's Review and Approval of Documents 2010 | Pre-Engineered Building Submittals 2160 Electrical - Set Fixtures & Trim Out 2210 Final Clean-Up & Systems Testing 2090 Pre-Engineered Structure & Roof 2110 MEP @ Mechanical Mezzanine 1020 Develop Construction Drawings Description 1010 Notice To Proceed from Owner 2080 Precast Hollow Core Planks 2120 Epoxy Floor & Wall Coating 2130 Security Doors & Hardware 1000 Confirm Design-Build Price 2030 | Site Demolition & Clearing 2070 | Masonry - Load Bearing 2140 Plumbing - Set Fixtures 2050 Construct Building Pad 2040 Relocate Grease Trap Number/Version ORIGINAL 09AUG10 2150 Seal Concrete Floors 13OCT09 05OCT09 © Primavera Systems, Inc. 13OCT09 2020 Hollow Metal Frames 2200 Detention Furniture 2190 | Security Electronics 2180 | Laundry Equipment 2170 HVAC Start-up 2220 TJC Inspection 2060 Foundation CONSTRUCTION 2100 Painting Finish date Data date Start date Run date

Contract Exhibit F

Proposal Qualifications

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### Qualifications:

- 1. Addition of New Generators Not in Contract
- 2. Connection of the Telephone and Data Systems Not in Contract
- 3. Safety Vestibules for Multiple Occupancy Cells Not in Contract
- 4. Television Sets will be furnished and installed by Owner.
- 5. Bunks, tables and stools Not in Contract
- 6. Laboratory testing allowance of \$3,500.00 is included.
- 7. Sales Tax is NOT included.
- 8. Bonding included.
- 9. Additional scope not enumerated in this document is excluded.