



PURCHASING DEPARTMENT
1772 County Services Parkway
Marietta, Georgia 30008-4012
(770) 528-8400/FAX (770) 528-1154

Mark Kohntopp
INTERIM DIRECTOR

ADDENDUM No. 1

**Sealed Bid # 10-5522
Energy Efficient Boiler Replacements For The
Cobb County Adult Detention Facility**

DATE: September 1, 2010

Page 1 of 16

The following addendum hereby amends and/or modifies the Proposal Documents and specifications as originally issued for this project. All proposers are subject to the provisions of this Addendum.

Proposers shall acknowledge receipt of this addendum.

Include this original form inside your proposal package.

This Addendum consists of:

- **Minutes of the August 23, 2010 Pre-Bid Meeting**
- **Amendments to Specifications**
- **Exhibit 1 : Measurement and Payment Table**
- **Exhibit 2 : Wage Determination**
- **Exhibit 3 : As Built Drawings**
- **Pre - Bid Meeting Attendee List**

All bids must be received before 12:00 (noon) by the Bid Opening date. Bids shall be delivered to Cobb County Purchasing Department, 1772 County Services Parkway, Marietta, GA 30008.

Electronic / faxed bid response will not be considered.

I acknowledge that I have received Addendum No. 1

Sealed Bid # 10-5522

**Energy Efficient Boiler Replacements For The
Cobb County Adult Detention Facility**

Company Name

Signature

Date Sent to Purchasing

Please Print Name

Please sign, date, and return this form ONLY to:
Cobb County Purchasing Department
Fax #: 770-528-1154
E-Mail: purchasing@cobbcounty.org

Please note: The deadline for questions is: August 31, 2010 by 5:00 pm
Any questions received after this deadline will not be considered.

Cobb County SEALED BID 10-5522
Energy Efficient Boiler Replacement for the Cobb County Adult Detention Center

ADDENDUM #1 – DATED September 1, 2010

BIDDERS ACKNOWLEDGE RECEIPT OF ADDENDA BY INSERTING THEIR NUMBER AND DATE ON THE BID FORM. FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION. ADDENDA FORM PART OF THE CONTRACT DOCUMENTS.

IN THE EVENT OF A CONFLICT BETWEEN THESE ADDENDUM ITEMS AND THOSE IN THE OTHER PARTS OF THE CONTRACT DOCUMENTS, THESE ADDENDUM ITEMS SHALL TAKE PRECEDENCE AND GOVERN.

Item # 1: Minutes from the pre-bid meeting held August 23, 2010:

I. County Bidding Requirements

Daphne Bailey, Cobb County Purchasing, outlined the general bid rules. She reminded bidders of the following:

- ◆ **The bid must be received at Purchasing by 12 PM on September 9, 2010.** It will not be accepted after that time.
- ◆ Bids will be publicly opened 2:00 p.m. on September 9, 2010 at Purchasing. The bid opening may also be viewed via a live stream of the meeting available at www.cobbco.org tv23 icon.
- ◆ There should be 5 copies in addition to the original, with the original clearly marked.
- ◆ Please place the bid label provided on the outside of the bid package. If the label is not used, the bidder's name, with bid name, number and due date must be clearly visible on the outside of the package, since accidental opening would cause it to no longer be a sealed bid. If more than one package or box is used, clearly mark information on all packages and number packages as #1, #2, etc.
- ◆ A bid bond covering five percent (5%) of the base bid amount must be included, or the County cannot read or otherwise accept the bid. A certified or cashier's check can be in lieu of the Bid Bond or it can be in cash with proof of identification.
- ◆ All questions are to be sent to the Purchasing Department via facsimile @ 770-528-1154 or E-mail at Purchasing@cobbcounty.org no later than 5:00 PM on August 31, 2010. Place the bid number and bid name on all correspondence.
- ◆ The Georgia Security and Immigration Act Affidavit is required to be submitted with the bid. Bidders must sign and notarize the form and include with their bid, or the County will not read or otherwise accept the bid.
- ◆ Minutes of this meeting, with an attendance list, will be provided via this addendum.
- ◆ All addenda for this bid are available for viewing and downloading from the Cobb County Purchasing Dept. website, <http://purchasing.cobbcountyga.gov/> under the bid opportunities section for this bid. It is the responsibility of Bidders to view the website and all addenda, and to note addenda on their bid form.

II: Introductions – Cobb County Staff

In addition to Ms. Bailey, the following Cobb County staffs were introduced:

From Cobb County Property Management: Chuck Hunt – Utility Analyst; Scott

From the Sheriff's Office: Chuck Stoetzer, Facilities Manager, and Rich McFall, Building Maintenance Supervisor

III: Bid Review and Responses to Attendee Questions

- ◆ This project is funded through federal grants under the American Recovery and Reinvestment Act of 2009, and the Energy Efficiency and Conservation Block Grant program. All terms and conditions of these federal programs must be followed. These are provided in detail in the Specifications in the bid documents. In particular, the following requirements should be paid particular attention:
 - The Davis Bacon wage act for all covered employees working at the site. Certified payrolls will be required. *NOTE: See Amendments to Specifications in this Addendum for revisions to applicable wage rates.*
 - The Buy American requirement from the American Recovery and Reinvestment Act of 2009. Buy American requirements from other federal legislation should not be relied upon. Buy American requirements do not allow for manufacture outside the United States in countries who have trade agreements with the United States. Manufacturer's claims of compliance with the Buy American requirement should be scrutinized to ensure compliance.
 - Contracts should provide their DUNS number and, if available, their CCR Cage number on the bid form. Contractors must be approved by DOE as a condition of contracting.
 - Contractors should be aware Cobb County has submitted a Waste Stream Management Plan to EPA addressing responsible disposal and recycling of products and waste from demolition and construction. The selected contractor shall be required to provide the County with a plan that is in substantial compliance with the intent of the County's plan. It may be viewed at the Purchasing Dept. website, <http://purchasing.cobbcountyga.gov/>.
- ◆ Bidders should be aware the County requests registration and notification of all vendors who qualify as minority or DBE firms, however there is no DBE participation requirement and no preference is given to DBE bidders.
- ◆ It is restated for emphasis that failure to include the Contractor's Affidavit of compliance with the Georgia Security and Immigration Act will result in the bid being rejected. Additional forms required for compliance, specifically the attachment listing employees and certifying registration with the E-Verify program will be expected of the selected contractor.
- ◆ All contractor employees assigned to work on the site will be required to pass a criminal background check. The cost of the check will be borne by the County.
- ◆ Project management will be handled by Chuck Stoetzer and Rich McFall of the Sheriff's office.
- ◆ A short site walk-through will be conducted following the pre-bid meeting today. To schedule a time for a more thorough site inspection, contact Rich McFall at 770-841-3208, or Chuck Stoetzer at 770-499-4624. Site visits should be scheduled at least 24 hours ahead of arrival time to ensure staff is available to escort Contractor personnel.
- ◆ As a reminder, refer all questions, including those asked verbally, to the Purchasing Department in writing by the deadline indicated in the remarks above. All questions will be answered and made available to all plan holders through issuance of a bid addendum. Only written questions properly submitted and addressed in addenda are official.
- ◆ Contractor's are encouraged to offer "Bidder's Alternates" if they so choose with their bid for the County's consideration, but are cautioned to submit a bid on the base specifications only and not anticipate the County will accept changes.

IV. Questions Submitted Outside the Pre-bid Meeting

- Q: I am trying to find out more information for Bid # 10-5522 Energy Efficiency Boiler Replacement For The Cobb County Adult Detention Center and was told you were the contact person. Can you send me a # to reach you to try and arrange a site visit and also get drawings if there are any to see?
- A: (1) Regarding contacts for follow-up visits and questions please see comments above.
(2) Available "as built" drawings are included in this addendum. Please refer to Exhibit 3.

Q: Can I get a copy of the specs drawings for the boilers? I have the information from the document but I need the specs.

A: The project is a Design/build project requiring the contractor to perform design services as required to demonstrate and perform the work and obtain required permits. Accordingly, the Owner does not have design drawings for the anticipated work. Contractors should review the specifications, the available 'as built' drawings (see previous question), and visit the site to clearly understand and anticipate the work.

Q: What is your schedule for the work, how fast do you want it performed?

A: The County's goal is to have the work performed as quickly as possible, given the need to coordinate work with the scheduling and operational demands of the Detention Facility. In particular it is hoped the boilers serving space heating needs can be replaced prior to the start of winter heating season.

Q: What time should we allow for checking into and out of the work site daily?

A: After the initial visit by employees to obtain badges, be assigned tool lockers, etc., daily ingress and egress should require minimum time. The Sheriff's Office will try to work with the Contractor by providing escorts, on-site transportation and secure tool lockers and to reduce time lost on site.

Q: Do we have to replace heaters with the brands included in the bid (Lochinvar, etc.)?

A: No – The specifications do not have preference

Q: What will be the requirement for scheduling and staging work vis-à-vis ensuring hot water services are available during construction?

A: Due to medical and sanitary requirements, domestic hot water can't be interrupted and vendors must program for the phasing of the boiler replacements.

Q: Page 10 of ITB states that contractor must provide a \$5,000,000 insurance umbrella but on page 0300-3, item 9 states that contractor must provide insurance limits as listed in attached sample contract. Sample contract states \$2,000,000 umbrella is required. Please state what limit will be required for this project.

A: The required limit for umbrella insurance will be \$2,000,000 combined single limits per occurrence. All other insurance requirements in the ITB remain unchanged.

V: Amendments to Specifications

1. The "REPLACEMENT EQUIPMENT TABLES", Paragraph 1.08 of Section 01010 is hereby amended by adding an additional Domestic Water Heater to be included for replacement.

Add as follows:

Domestic Water Heater, Kitchen Service

Quantity: 1 ea.

Capacity: 410,000 BTUH output

Current Model: Lochinvar RWN500 PM

This is located with the listed Lochinvar domestic water heater adjacent to kitchen facilities.

2. Table A –Measurement and Payment Terms, was inadvertently omitted from the Bid. It is referred to in Paragraph 1.03 of Section 01025. It is attached as Exhibit 1 to this Addendum. Insert the table accompanying this Addendum immediately following page 01045-1.

3. Davis Bacon Wage Rates: The applicable wage determination, GA 255, was revised on August 13, 2010. All references in the bid documents, including specifications, to any version of GA255 dated prior to August 13, 2010 should be deleted. The applicable wage determination is included with this Addendum as Exhibit 2.

END OF ADDENDUM #1

Exhibit 1 Attached (Measurement and Payment Table); Exhibit 2 Attached (Wage Determination); Exhibit 3 – As built Drawings:

MEASUREMENT AND PAYMENT TERMS
 ENERGY EFFICIENCY BOILER REPLACEMENTS
 COBB COUNTY, GEORGIA

Item No.	Phase of Work/Item Description	Measurement and Payment Application Criteria	Reimbursement Calculation
1	Pre Construction Preparation		
	1A Work Execution Plan	Application for payment may be made upon approval of the Construction Work Plan by the Owner.	Single disbursement at bid lump sum amount
	1B Payment and Performance Bonds	Application for payment may be made upon receipt of an acceptable bonds by the Owner.	Single disbursement at bid lump sum amount
	1C Permitting Fees	Application for payment may be made upon receipt of copy of permits required, including receipt.	Single disbursement at bid lump sum amount
2	Labor for Construction and Project Management	Application for payment for installation equipment may be made upon completion of all work, demonstration that the systems are fully operational, and final acceptance of the work by the Owner. Payment is dependent on receipt and acceptance by Owner of certified weekly payrolls meeting Davis Bacon requirements.	Payment will be a single disbursement at the bid lump sum amount for that facility.
3	Equipment Allowances	Application for payment for the equipment and materials associated with each building may be made upon completion of all work for that system, demonstration that the system is fully operational, and final acceptance of the work for that system by the Owner.	<p>The identified allowances have been assigned only for the purpose of establishing funding for reimbursement of the Contractor's cost for equipment and materials for each building.</p> <p>The Contractor will be reimbursed his actual purchase price plus ten percent for equipment and material that has been installed at each building. Itemized invoices must be provided to the Owner with the request for payment for equipment and materials and the quantities must match the inventoried in-place quantities established by the Owner. Each itemized invoice must be certified by the seller.</p>
4	Preparation and Submittal of Closeout Documents - This item includes preparation and submittal of all required closeout	Application for payment may be made upon approval of the close out documents by the Owner.	Single disbursement at bid lump sum amount

EXHIBIT 2 to BID ADDENDUM #1: APPLICABLE DAVIS-BACON WAGE RATES
COBB COUNTY SEALED BID 10-5522
Energy Efficient Boiler Replacement for the Cobb County Adult Detention Center

General Decision Number: GA100255 08/13/2010 GA255

Superseded General Decision Number: GA20080255

State: Georgia

Construction Type: Building

County: Cobb County in Georgia.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Modification Number	Publication Date
0	03/12/2010
1	03/19/2010
2	04/02/2010
3	05/28/2010
4	07/09/2010
5	08/13/2010

ASBE0048-001 04/01/2010

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR.....	\$ 25.07	12.41

 CARP0225-003 07/01/2008

	Rates	Fringes
CARPENTER (including form work; excluding drywall hanging and acoustical ceiling installation).....	\$ 21.45	6.35

 CARP1263-001 07/01/2009

	Rates	Fringes
MILLWRIGHT.....	\$ 22.42	11.95

 ELEC0613-014 03/01/2010

	Rates	Fringes
ELECTRICIAN (including installation of temperature controls for HVAC Systems).....	\$ 29.00	8.09

FOOTNOTES: Work on bar joists, walk logs, exposed steel and swinging scaffolds when the surface the worker stands or sits on exceeds twenty-five (25) feet above solid floor and the worker is subject to free fall: \$1.00 per hour additional. Work of a similar nature above fifty (50) feet: \$3.00 per hour additional.

 ELEV0032-001 01/01/2010

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 33.98	20.035+a+b

PAID HOLIDAYS:

a. New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving, and Christmas Day.

b. Employer contributes 8% of regular hourly rate to vacation pay credit for employee who has worked in business more than 5 years; 6% for less than 5 years' service.

 ENGI0926-027 07/01/2009

	Rates	Fringes
Operating Engineers:		
Backhoe/Excavator, Hoist and Mechanic.....	\$ 23.74	9.03
Bulldozer, Compactor, Drill, Forklift, Loader, and Scraper.....	\$ 23.43	9.03
Crane and Boom.....	\$ 27.38	9.03
Oiler.....	\$ 20.21	9.03

FOOTNOTE: Paid Holidays - Labor Day and Christmas Day, if the worker has one year of continuous employment with the same contractor.

 IRON0387-001 08/01/2009

	Rates	Fringes
IRONWORKER, STRUCTURAL.....	\$ 24.04	9.86

PAIN0193-008 07/01/2010

	Rates	Fringes
DRYWALL FINISHER/TAPER.....	\$ 20.37	8.30

PAIN0193-011 07/01/2010

	Rates	Fringes
PAINTER: Brush, Roller and Spray.....	\$ 20.37	8.30

PAIN1940-001 10/01/2009

	Rates	Fringes
GLAZIER.....	\$ 21.00	7.05

FOOTNOTE: Paid holidays: Thanksgiving Day, Christmas Day, New Year's Day, National Memorial Day, July 4th and Labor Day; if the employee works the day before and the day after the holiday.

PLUM0072-012 08/01/2009

	Rates	Fringes
PIPEFITTER, Including HVAC Pipe Installation.....	\$ 28.90	12.31
PLUMBER (Excluding HVAC Pipe Installation).....	\$ 28.90	12.31

* SFGA0669-001 04/01/2010

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers).....	\$ 25.05	15.10

* SHEE0085-001 08/01/2010

	Rates	Fringes
SHEET METAL WORKER, Including Hvac Duct Installation and Metal Roofing		
Buildings over 100,000 square feet.....	\$ 29.00	12.88
Buildings up to 100,000 square feet.....	\$ 24.74	11.42

FOOTNOTE: Work on swinging stages, boatswains chairs or scaffolds, booms, or scissors lifts over 50 ft. high: \$1.25 per hour additional.

SUGA2008-167 08/21/2008

	Rates	Fringes
ACOUSTICAL CEILING MECHANIC.....	\$ 14.00	0.00

BRICKLAYER.....	\$ 16.00	0.00
CARPENTER (Drywall Hanging Only).....	\$ 15.05	0.82
CEMENT MASON/CONCRETE FINISHER...\$	12.94	0.00
HVAC MECHANIC: System Installer (Excluding HVAC Duct and Pipe Installation).....\$	16.26	1.26
IRONWORKER, REINFORCING.....\$	11.05	0.21
LABORER: Common or General.....\$	10.90	1.44
LABORER: Pipelayer.....\$	13.06	3.56
OPERATOR: Grader/Blade.....\$	9.00	0.24
OPERATOR: Roller.....\$	10.88	0.00
ROOFER (Excluding Metal Roof)....\$	10.00	0.00
TILE SETTER.....\$	15.00	0.00
TRUCK DRIVER.....\$	12.27	1.56
WATERPROOFER.....\$	10.50	0.00

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.

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Unlisted classifications needed for work not included within
the scope of the
classifications listed may be added after award only as
provided in the labor
standards contract clauses (29 CFR 5.5(a)(1)(ii)).

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In the listing above, the "SU" designation means that rates
listed under the identifier do not reflect collectively bargained wage and
fringe benefit rates. Other designations indicate unions whose rates have
been determined to be prevailing.

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WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal Process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7).

Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

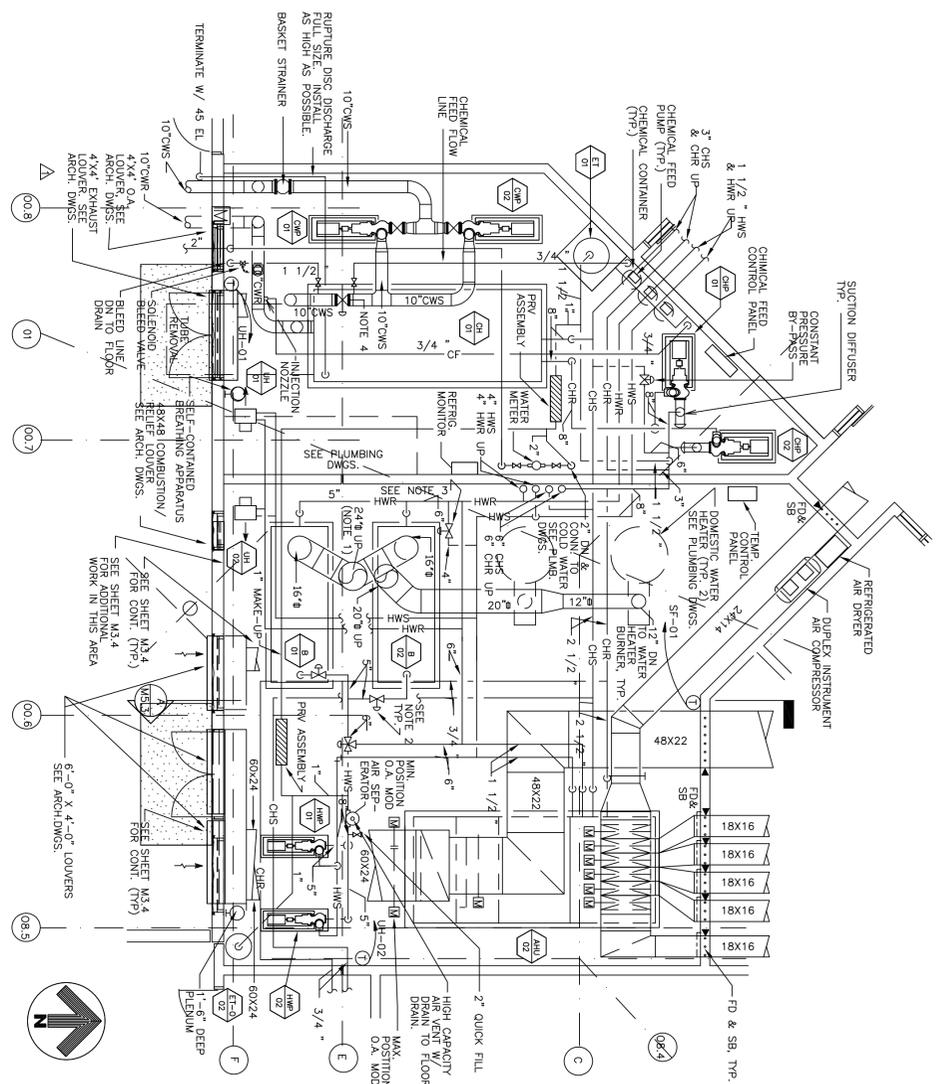
The request should be accompanied by a full statement of the Interested party's position and by any information (wage payment data, Project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an Interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

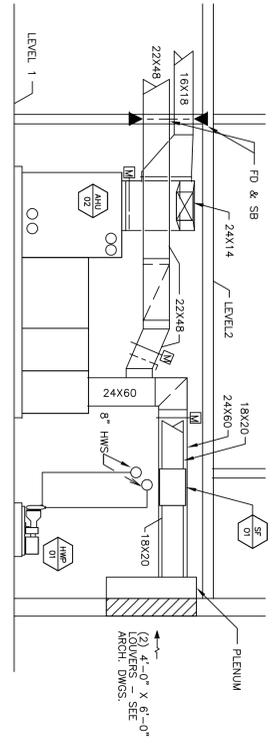
4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISION



M5.3 MECHANICAL ROOMS 0147 & 0148 PART PLAN
 SCALE: 1/4" = 1'-0"

- NOTES (add/delete this part down only):
1. MINIMUM EQUIPMENT & WATER HEATER EQUIPMENT MFG. SHALL VERIFY IF LARGER SIZES ARE REQUIRED. CONTRACTOR SHALL PROVIDE AT NO ADDITIONAL COST.
 2. 2-POSITION CONTROL VALVE MIN. POSITION SHALL PASS 50 GPM HW. MAX. POSITION SHALL PASS 250 GPM. 4CM HEAD PRESSURE CONTROL VALVE.



M5.3 SECTION - MECHANICAL ROOM 0148
 SCALE: 1/4" = 1'-0"

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Professional Seal:

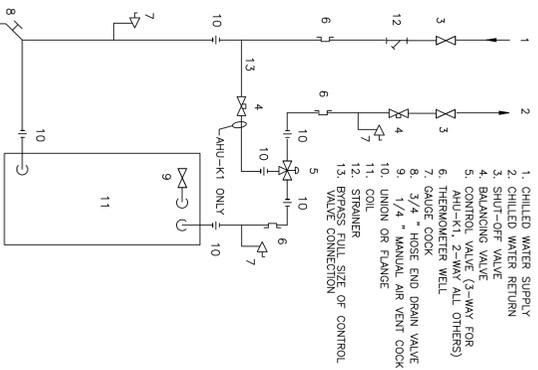
Revisions
No. Date Description
1 09/25/95 BULLETIN # 3
2 5/17/99 RECORD DRAWINGS
3 6/15/99 RECORD DOCUMENT

THIS RECORD DOCUMENT HAS BEEN PREPARED IN PART, BASED UPON CONSTRUCTION INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ROSSER IS NOT RESPONSIBLE FOR ITS ACCURACY. AND THIS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DOCUMENT OR FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT.

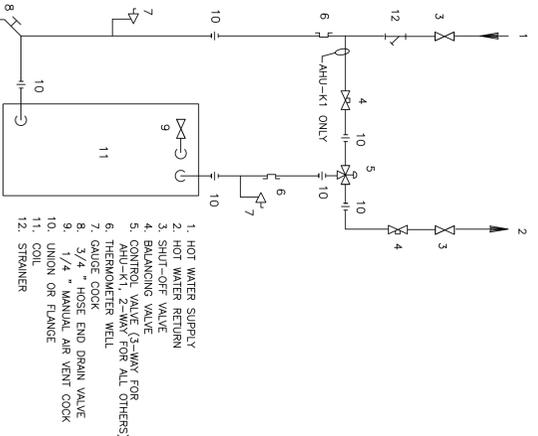
COBB COUNTY
 ADULT DETENTION CENTER
 EXPANSION AND RENOVATION

Sheet Title
 MECHANICAL ROOM
 PART PLAN
 AND SECTION

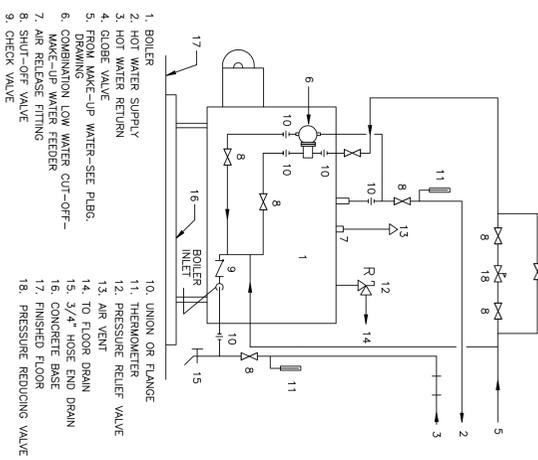
Job No. 405050.00
 Drawn: JLD
 Checked: JLD
 Date: 11/27/98 Sheet No. M5.3



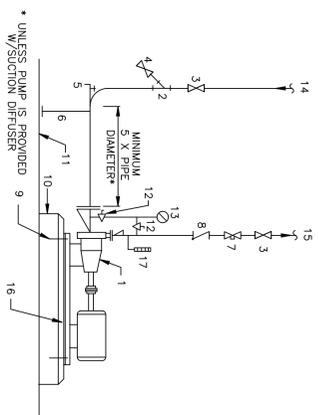
1 CHILLED WATER COIL PIPING (3-WAY)
 (K61) SCHEMATIC ONLY



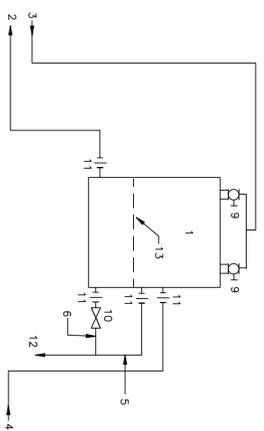
2 HOT WATER COIL PIPING (3-WAY)
 (K61) SCHEMATIC ONLY



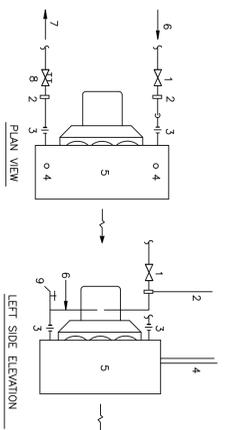
3 BOILER PIPING
 (K61) SCHEMATIC ONLY



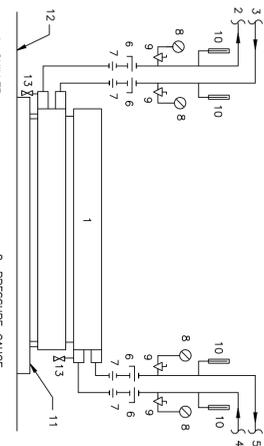
4 END SUCTION CENTRIFUGAL PUMP PIPING
 (K61) SCHEMATIC ONLY



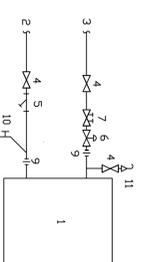
5 COOLING TOWER PIPING
 (K61) SCHEMATIC ONLY



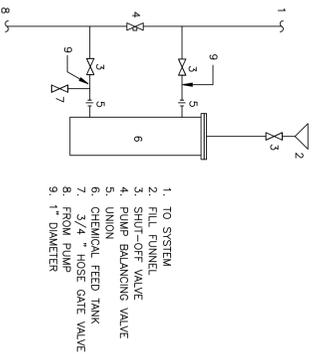
6 HORIZONTAL HOT WATER UNIT HEATER
 (K61) SCHEMATIC ONLY
 NOTE: NO PIPING BELOW CASING



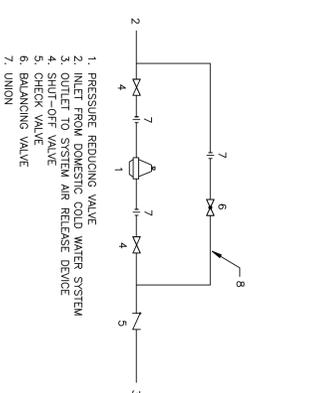
7 CHILLER PIPING
 (K61) SCHEMATIC ONLY



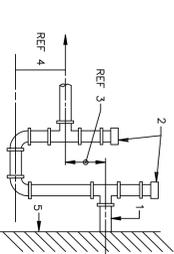
8 FCU VAV & FPB COIL PIPING
 (K61) SCHEMATIC ONLY



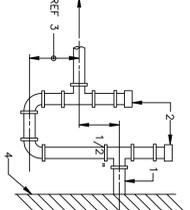
9 SHOT TYPE CHEMICAL FEEDER
 (K61) NOT TO SCALE
 NOTE: INSTALL ON PUMP NOS. CHP-1 & HMP-1



10 PRESSURE REDUCING VALVE ASSEMBLY
 (K61) SCHEMATIC ONLY



11 CONDENSATE DRAIN TRAP - DRAW THROUGH
 (K61) NOT TO SCALE



12 CONDENSATE DRAIN TRAP - BLOW THROUGH
 (K61) NOT TO SCALE

DATE PLOTT	
DATE	
BY	
DESCRIPTION	

Job No. 4000A.00
Drawn LP
Checked KKL
D.W. 11/7/95
Sheet No. M6.1

COBB COUNTY
ADULT DETENTION CENTER
EXPANSION AND RENOVATION

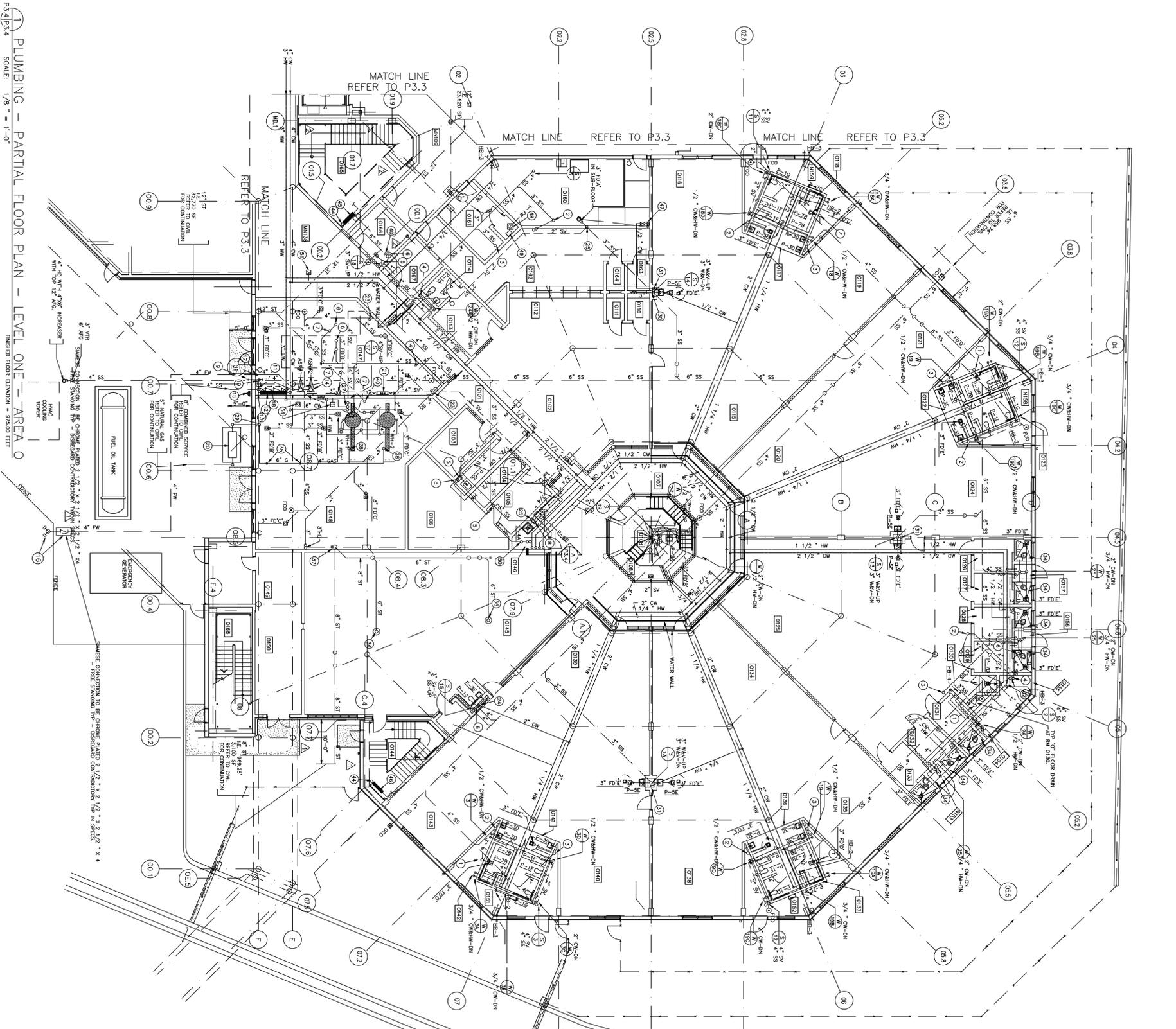
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 FAX (404) 619-3800
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Rev.	Date	Description
5/1/99		RECORD REVISIONS
6/25/99		RECORD DOCUMENT

THIS RECORD DOCUMENT HAS BEEN PREPARED IN PART BASED UPON INFORMATION FURNISHED BY THE CLIENT. ROSSER INTERNATIONAL, INC. CANNOT ASSUME ITS ACCURACY, AND THIS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DOCUMENT OR FOR ANY ERRORS OR OMISSIONS WHICH MAY BE MADE THEREIN AND IT IS A RESULT.

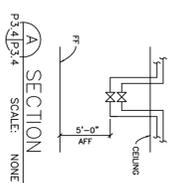
Printing Record
 Date: 08/14/2010 10:52:11 AM
 By: _____

PLUMBING
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PLUMBING - PARTIAL FLOOR PLAN - LEVEL ONE - AREA 0
 SCALE: 1/8" = 1'-0"
 FINISHED FLOOR ELEVATION = 97.000 FEET

- NOTES: (referenced this sheet)**
- 1 - 3" COMPLETION WASTE AND VENT STACK FOR SHOWER DRAINS.
 - 2 - 3" COMPLETION WASTE AND VENT STACK FOR FLOOR DRAINS.
 - 3 - 3" COMPLETION WASTE AND VENT STACK FOR LAVATORIES.
 - 4 - 4" SANITARY DRAIN DOWN.
 - 5 - 4" SANITARY DRAIN DOWN.
 - 6 - 4" SANITARY DRAIN UP.
 - 7 - 4" SANITARY DRAIN UP.
 - 8 - 4" SANITARY DRAIN UP.
 - 9 - 3/4" CW LAMB, 3/4" CW DOWN IN CHASE, CONNECT 1/2" HW & 1/2" CW TO P-SINK, ROUTE 1/2" CW WITH ANGLE STOPS TO ICE MAKER, ROUTE FREEZER HOSEBERG.
 - 10 - 3/4" CW LAMB, 3/4" CW DOWN IN CHASE, CONNECT 1/2" HW & 1/2" CW TO P-SINK, ROUTE 1/2" CW WITH ANGLE STOPS TO ICE MAKER, ROUTE FREEZER HOSEBERG.
 - 11 - 3/4" CW LAMB, 3/4" CW DOWN IN CHASE, CONNECT 1/2" HW & 1/2" CW TO P-SINK, ROUTE 1/2" CW WITH ANGLE STOPS TO ICE MAKER, ROUTE FREEZER HOSEBERG.
 - 12 - 3/4" CW LAMB, 3/4" CW DOWN IN CHASE, CONNECT 1/2" HW & 1/2" CW TO P-SINK, ROUTE 1/2" CW WITH ANGLE STOPS TO ICE MAKER, ROUTE FREEZER HOSEBERG.
 - 13 - 3/4" CW LAMB, 3/4" CW DOWN IN CHASE, CONNECT 1/2" HW & 1/2" CW TO P-SINK, ROUTE 1/2" CW WITH ANGLE STOPS TO ICE MAKER, ROUTE FREEZER HOSEBERG.
 - 14 - 3/4" CW LAMB, 3/4" CW DOWN IN CHASE, CONNECT 1/2" HW & 1/2" CW TO P-SINK, ROUTE 1/2" CW WITH ANGLE STOPS TO ICE MAKER, ROUTE FREEZER HOSEBERG.
 - 15 - 3/4" CW LAMB, 3/4" CW DOWN IN CHASE, CONNECT 1/2" HW & 1/2" CW TO P-SINK, ROUTE 1/2" CW WITH ANGLE STOPS TO ICE MAKER, ROUTE FREEZER HOSEBERG.
 - 16 - 3/4" CW LAMB, 3/4" CW DOWN IN CHASE, CONNECT 1/2" HW & 1/2" CW TO P-SINK, ROUTE 1/2" CW WITH ANGLE STOPS TO ICE MAKER, ROUTE FREEZER HOSEBERG.
 - 17 - 3/4" CW LAMB, 3/4" CW DOWN IN CHASE, CONNECT 1/2" HW & 1/2" CW TO P-SINK, ROUTE 1/2" CW WITH ANGLE STOPS TO ICE MAKER, ROUTE FREEZER HOSEBERG.
 - 18 - 8" DOUBLE CHECK VALVE ASSEMBLY BELOW COLD WATER REGULATING STATION.
 - 19 - NOT USED.
 - 20 - GAS REGULATOR (2 PSIG TO 14" WC), 15,400 CFH.
 - 21 - 2" BRASS 90° ELBOW ABOVE FINISHED FLOOR WITH 2" COLD WATER DRAIN OPENING AND PIPE TO FLOOR DRAIN. PROVIDE FANWELL UNDER DRAIN.
 - 22 - 4" SANITARY VENT UP.
 - 23 - 4" SANITARY VENT UP.
 - 24 - 1 1/2" COLD WATER DOWN.
 - 25 - 3" SANITARY VENT DOWN.
 - 26 - 3" SANITARY VENT DOWN.
 - 27 - COLD WATER AND 4" HOT WATER UP.
 - 28 - 3" NATIONAL GAS DOWN TO HEATER WITH DRIFT LEG AND GAS COCK.
 - 29 - 3" NATIONAL GAS DOWN TO HEATER WITH DRIFT LEG AND GAS COCK.
 - 30 - 3" NATIONAL GAS DOWN TO HEATER WITH DRIFT LEG AND GAS COCK.
 - 31 - 45-DEGREE WELDED TO BRASS.
 - 32 - 45-DEGREE WELDED TO BRASS.
 - 33 - 1/2" COLD WATER AND 1/2" HOT WATER DOWN TO THERMOSTATIC WATER PHONOIE FLOOR TO FLOOR DRAIN.
 - 34 - 1/2" COLD WATER AND 1/2" HOT WATER DOWN TO THERMOSTATIC WATER PHONOIE FLOOR TO FLOOR DRAIN.
 - 35 - 4" NATURAL GAS DOWN TO BOLLER WITH DRIFT LEG AND GAS COCK.
 - 36 - 4" RAIN LEADER UP TO AREA DRAIN ABOVE.
 - 37 - 4" RAIN LEADER UP TO AREA DRAIN ABOVE.
 - 38 - 4" RAIN LEADER UP TO ROOF DRAIN ABOVE.
 - 39 - 4" RAIN LEADER UP AND DOWN.
 - 40 - NOT USED.
 - 41 - NOT USED.
 - 42 - SPRINKLER RISER UP.
 - 43 - SPRINKLER RISER UP.
 - 44 - SPRINKLER RISER UP.
 - 45 - ZONE # 6 SPRINKLER VALVING.
 - 46 - TAP PRIMER WITH 1/2" WATER LINE TO FLOOR DRAIN.
 - 47 - DOUBLE INTERLOCKED PRE-ACTION ALARM VALVE FOR COMPUTER ROOM.
 - 48 - PRE-ACTION SYSTEM AIR COMPRESSOR.
 - 49 - 3" SANITARY DRAIN UP.
 - 50 - FINISH CONNECTION FOR HOT WATER MAINTENANCE SYSTEM.



COBB COUNTY
ADULT DETENTION CENTER
EXPANSION AND RENOVATION

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Stamp: _____
 Date: 8/14/2010 Sheet No. **P3.4**

6/15/09 RECORD DOCUMENT

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PRE- BID CONFERENCE

ENERGY EFFICIENCY BOILER REPLACEMENTS FOR THE COBB COUNTY ADULT DETENTION CENTER

SEALED BID #10-5522
 COBB COUNTY COMMUNITY TRANSIT
 AUGUST 23, 2010

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