Albert & McCleskey Associates Architects
November 19, 2018

Hattiesburg Public Safety Complex
Hattiesburg, Mississippi

**FORM OF PROPOSAL**

DATE: 01/03/2019

PROPOSAL FROM: Hanco Corporation
(List Company Name)

TO OWNER: CITY OF HATTIESBURG
HATTIESBURG, MISSISSIPPI

PROJECT: HATTIESBURG PUBLIC SAFETY COMPLEX
HATTIESBURG, MISSISSIPPI

Ladies & Gentlemen:

Having carefully examined all Contract Documents and addenda for the construction of the project in caption, the undersigned purposes to furnish all labor, materials and services required for the construction in accordance with these documents for the sum as follows:

BASE BID: Twenty Nine Million Nine Hundred Sixty Thousand DOLLARS

($ 29,960,000.00)

TIME: The undersigned agrees to complete the work within 720 calendar days from the date of the Notice to Proceed issued by the Architect. It is also agreed that this proposal/contract price will be valid for the minimum time of **60 DAYS** from the date of opening.

ALTERNATES: *(SEE SECTION 01 35 00)*

A. Alternate Number One: This Alternate adds all labor and materials required for the entire scope of work for public parking on south side of Katie Avenue.

ADD $ 800,000.00 Eight Hundred Thousand Dollars

B. Alternate Number Two: This Alternate adds all labor and materials required for the Vehicle Maintenance Building Structure and the required pavement.

ADD $ 2,000,000.00 Two Million Dollars

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Hattiesburg, Mississippi

COST BREAKDOWNS: N/A

UNIT PRICES:

Unit prices shall apply to authorized changes in the quantities of items included in the scope of work. These unit prices shall remain fixed as stated below for the duration of the project. During this period, the Owner has the option to issue Change Orders to the Contractor for the construction of all items listed below in the quantities desired at the unit prices.

Unit Price Number One: Add one duplex outlet with wire/conduit along existing circuit = $ 400 / each.

BID SECURITY:

Bid Security in the form of Bid Bond is attached in the amount of $ 5% of Bid

ADDENDA:

Receipt of the following addenda is acknowledged:

Addendum No: 1 Dated: 12/11/2018

Addendum No: 2 Dated: 12/19/2018

Addendum No: 3 Dated: 12/19/2018

Addendum No: 4 Dated: 12/27/2018

Addendum No: _____ Dated: _____

Addendum No: _____ Dated: _____

GENERAL CONTRACTOR:

Mississippi Certificate of Responsibility No: 10558-MC

Resident Contractor: Yes

Non-Resident Contractor*: N/A

LIST THE FOLLOWING SUBCONTRACTORS THAT YOU INTEND TO USE:

- Roofing Subcontractor (Section 07 52 16):
  MANDALS
- Glass/Storefront/Curtain Wall Subcontractor (Sections 08 43 13 / 08 44 13 / 08 80 00):
  MIDSOUTH GLASS COMPANY

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Hattiesburg, Mississippi

- Mechanical/Plumbing Subcontractor(s) (Divisions 22 / 23):
  ~~Hanco Corporation~~ Pat L. McKenzie
- Electrical Subcontractor (Division 26):
  Chain Electric Company

ACCEPTANCE:

I certify that I am authorized to enter into a binding contract, if this Proposal is accepted.

Signature: _____

Typed Name & Title: Chris Hudson - President

Company Name: Hanco Corporation

Address: P.O. Box 17678

City, State, Zip Code: Hattiesburg, MS 39404-7678

Phone, Fax, Email: 601-583-6500 / 601-583-6503 / chudson@hancocorp.com

DIRECTIONS FOR MAILING:

See *INSTRUCTIONS TO BIDDERS [SECTION 00 10 00]* for mailing directions.

**END OF FORM OF PROPOSAL**

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## *Bid Bond*

**CONTRACTOR:**
*(Name, legal status and address)*
**Hanco Corporation**
**P O Box 17678**
**Hattiesburg, MS 39404**

**SURETY:**
*(Name, legal status and principal place of business)*
**Liberty Mutual Insurance Company**
**175 Berkeley Street**
**Boston, MA 02116**

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

**OWNER:**
*(Name, legal status and address)*
**City of Hattiesburg**
**200 Forrest St.**
**Hattiesburg, MS 39401**

**BOND AMOUNT:** **Five Percent (5%) of the Amount Bid----------**

**PROJECT:**
*(Name, location or address, and Project number, if any)*
**Hattiesburg Public Safety Complex**
**Hattiesburg, MS**

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

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If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this **3rd** day of **January**, **2019**

**Hanco Corporation**
*(Contractor as Principal)* *(Seal)*

*(Witness)*

PRESIDENT
*(Title)*

**Liberty Mutual Insurance Company**
*(Surety)* *(Seal)*

*(Witness)*

Kim Barhum
*(Title)*

**Kim Barhum, Attorney-In-Fact**
**MS Resident Agent**

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EXHIBIT A

**THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.**

**This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.**

Certificate No. 8047361

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company West American Insurance Company

# POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, David R. Fortenberry; Kim Barhum; Richard Teb Jones; Mary J. Norval

all of the city of Hattiesburg, state of MS each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 28th day of March, 2018.

THE OHIO CASUALTY INSURANCE COMPANY INCORPORATED 1919 NEW HAMPSHIRE
LIBERTY MUTUAL INSURANCE COMPANY INCORPORATED 1912 MASSACHUSETTS
WEST AMERICAN INSURANCE COMPANY INCORPORATED 1991 INDIANA

The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: David M. Carey
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 28th day of March, 2018, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.

TERESA PASTELLA COMMONWEALTH OF PENNSYLVANIA NOTARY PUBLIC

**COMMONWEALTH OF PENNSYLVANIA**
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

**ARTICLE IV – OFFICERS** – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

**ARTICLE XIII** – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

**Certificate of Designation** – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

**Authorization** – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

**IN TESTIMONY WHEREOF**, I have hereunto set my hand and affixed the seals of said Companies this 3rd day of January, 20 19.

THE OHIO CASUALTY INSURANCE COMPANY INCORPORATED 1919 NEW HAMPSHIRE
LIBERTY MUTUAL INSURANCE COMPANY INCORPORATED 1912 MASSACHUSETTS
WEST AMERICAN INSURANCE COMPANY INCORPORATED 1991 INDIANA

By: Renee Llewellyn
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.



LMS 12873 022017

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| 23 11 00 | FUEL GAS PIPING | | | |
| 23 21 12 | HEATING AND COOLING PIPING | | | |
| 23 21 23 | PUMPS | | | |
| 23 23 00 | REFRIGERANT PIPING | | | |
| 23 25 00 | WATER TREATMENT – CLOSED SYSTEM | | | |
| 23 31 13 | DUCTS | | | |

| | | | POLICE/COURT "A & B" | HISTORICAL HOSPITAL "C" |
|---|---|---|---|---|
| 23 33 00 | DUCT ACCESSORIES | | | |
| 23 34 00 | FANS | | | |
| 23 36 00 | AIR TERMINAL UNITS | | | |
| 23 37 00 | AIR OUTLETS AND INLETS | | | |
| 23 40 00 | AIR CLEANING DEVICES | | | |
| 23 52 16 | CONDENSING BOILERS | | | |
| 23 64 26 | SCREW WATER CHILLERS | | | |
| 23 73 13 | MODULAR INDOOR CENTRAL STATION AIR HANDLING UNITS | | | |
| 23 73 15 | OUTDOOR AIR HANDLING UNITS | | | |
| 23 81 16 | SPLIT SYSTEM VRF HEAT PUMP EQUIPMENT | | | |
| 23 81 23 | COMPUTER ROOM AIR-CONDENSERS | | | |
| 23 81 43 | AIR SOURCE UNITARY DUCTLESS SPLIT-SYSTEMS | | | |
| 23 82 19 | FAN COIL UNITS | | | |
| 23 82 39 | UNIT HEATERS | | | |
| | | | | |
| **DIVISION 26** | **ELECTRICAL** | | | |
| | | | | |
| 26 05 11 | ELECTRICAL GENERAL | | | |
| 26 05 19 | LOW-VOLTAGE POWER CONDUCTORS AND CABLES | | | |
| 26 05 26 | GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS | | | |
| 26 05 33 | RACEWAYS, OUTLET BOXES AND JUNCTION BOXES FOR ELEC SYS | | | |
| 26 09 23 | SWITCHES AND RECEPTACLES | | | |
| 26 09 25 | OCCUPANCY SENSORS | | | |
| 26 22 00 | TRANSFORMERS | | | |
| 26 24 00 | PANELBOARDS | | | |
| 26 26 00 | SWITCHBOARD | | | |
| 26 28 00 | DISCONNECTS & SEPARATELY-MOUNTED CIRCUIT BREAKERS | | | |
| 26 32 14 | POLICE EMERGENCY/STANDBY POWER SYSTEMS GENERATOR SET | | | |
| 26 36 23 | AUTOMATIC TRANSFER SWITCHES | | | |
| 26 41 00 | LIGHTNING PROTECTION SYSTEM | | | |
| 26 43 00 | SURGE PROTECTIVE DEVICES (SPD) | | | |
| 26 51 00 | LIGHTING | | | |
| 26 51 01 | MOTION DETECTORS | | | |
| | | | | |
| **DIVISION 27** | **COMMUNICATIONS** | | | |
| | | | | |

| | | | POLICE/COURT "A & B" | HISTORICAL HOSPITAL "C" |
|---|---|---|---|---|
| 27 05 13 | CABLE TELEVISION | | | |
| 27 30 00 | TELEPHONE AND DATA SYSTEMS | | | |
| 27 51 13 | PAGING SYSTEM | | | |
| 27 51 23 | INTERCOM SYSTEM | | | |
| | | | | |
| **DIVISION 28** | **ELECTRONIC SAFETY AND SECURITY** | | | |
| | | | | |
| 28 20 00 | INTRUSION DETECTION SYSTEM | | | |
| 28 23 23 | CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM | | | |
| 28 30 00 | ACCESS CONTROL SYSTEM | | | |
| 28 31 00 | POLICE/COURT FIRE ALARM SYSTEM | | | |
| | | | | |
| **DIVISION 31** | **EARTHWORK** | | | |
| | | | | |
| 31 05 00 | TEMPORARY SILT FENCE | | | |
| 31 11 00 | SITE PREPARATION | | | |
| 31 22 19 | TOPSOIL | | | |
| 31 23 19 | EARTHWORK FOR STRUCTURES (POLICE/COURT) | | | |
| 31 31 16 | TERMITE CONTROL | | | |
| 31 34 21 | AGGREGATE PIER REINFORCEMENT | | | |
| 31 91 00 | LANDSCAPE WORK | | | |
| | | | | |
| **DIVISION 32** | **EXTERIOR IMPROVEMENTS** | | | |
| | | | | |
| 32 31 13 | CHAIN LINK FENCES | | | |
| | | | | |
| **DIVISION 33** | **UTILITIES** | | | |
| | | | | |
| 33 39 13 | MANHOLES | | | |
| 33 10 00 | WATER DISTRIBUTION | | | |
| 33 30 00 | SANITARY SEWER | | | |
| 33 14 00 | SEWER/WATER UTILIY – TRACE WIRE | | | |

**END OF INDEX OF SPECIFICATIONS**

EXHIBIT D

hanco CORP
GENERAL CONTRACTORS

P.O. BOX 17678
HATTIESBURG, MS
39404

P 601.583.6500
F 601.583.6503

February 13, 2019

City of Hattiesburg

RE: Hattiesburg Public Safety Complex

ATTN: City of Hattiesburg Administration

Dear City:

Please accept this letter as Hanco Corporation's proposal to value engineer bid proposal dated January 3, 2019. The following is a list of items proposed to reduce bid price to a lump sum amount of $26,500,000.00. All of these items have been previously discussed with city representatives in our value engineering meetings.

1. Contract time will be extended to 1080 days. Omit liquidated damages from contract documents.

2. The City of Hattiesburg will provide all third-party special inspectors per the I.B.C.

3. The contract amount for Hardware Allowance is $150,000.00 only. The City must acknowledge that they are responsible for the entire acoustical systems, sound panels and audio visual, which are all necessary for the function of the court room. audio visual, crime scene lab, light fixture, stained glass, toilet accessories and stained glass lettering allowances are removed from the contract.

4. City will pay for all construction power.

5. City will pay for all water, water taps, sewer and sewer taps.

6. Delete mock ups from contract. Mock ups will be done in place with quality control by Contractor, Architect and Envelope Specialists.

7. Fence Changes:
   a. 16' Aluminum track gates change to 16' pipe cantilever gates.
   b. Max 2200 D.C. Swing Gate Operator. Change Max 2200 D.C. Slide Operator.

8. Parking striping to standard paint in lieu of thermoplastic paint specified.

9. Structural Steel Changes:
   a. Delete bollard covers. Bollards will be standard paint.
   b. Delete supports for smoke evacuation system, which is omitted.
   c. Lower parapet wall on east, north and south as much as possible.
   d. If possible, simplify steel railing from what is shown; this must be approved by architect.

10. Remove the third-floor pedestrian bridge as approved by the City of Hattiesburg Code Official. Official ruled this will not result in a dead-end corridor as described by the I.B.C.

11. Omit the building smoke evacuation system as per the approval of the City of Hattiesburg Code Official.

12. Millwork Changes:
   a. Delete references to wood on walls of elevator shaft. This wall will be painted gypsum board.
   b. Delete all formica wall and metal ceiling panels. All walls will be painted gypsum and ceiling will be acoustical 2'x2'.
   c. Change all quartz tops to formica tops. Owner must acknowledge that the formica tops are not as durable as quartz and they do have a tendency to chip.
   d. All cabinets to be formica covered standard.

13. Delete iscolyene insulation from contract. All insulation will be standard fiberglass.

14. Delete references to paint in contract for mechanical room penthouse floor. Floor to be sealed with penetrating sealer.

15. Change fire proofing sprayed on application over sally port ceiling to another system which will still provide a 1-hour fire rating on the steel beams and metal deck.

16. Glass & Aluminum framing changes:
   a. Delete references in contract with regards to high impact. All framing and glass to be standard aluminum and glass as approved by the City of Hattiesburg Code Official.
   b. Delete or change all interior and exterior elevations of glass and framing system to revised elevations in drawings (to be provided by Architect). This change will affect most all of the exterior curtain wall system as well as interior storefront systems. A substantial amount of glass and aluminum framing will be deleted from project.

17. Metal Stud Framing/Gypsum Board/Acoustical Ceilings:
    a. Omit reveals except expansion joints, specialty ceilings and formica wall coverings.
    b. All exterior walls and interior partitions will be standard metal framing, 5/8" gypsum board and acoustical insulation.
    c. All interior ceilings are to be standard 2' x 2' acoustical flat ceilings. Delete all special ceilings.
    d. Delete all reveal moldings in gypsum board.

18. Plastering:
    a. Delete interior plastering in Historic Building except where it is economical.

19. Flooring & Ceramic Tile Changes:
    a. All flooring in new public safety building will be LVT and/or carpeting. LVT will be a medium grade #2 tile and the carpet will have a $25/yard allowance. Owner acknowledges that changing to LVT in the lobby will create noise issues.
    b. Remove all ceramic or porcelain wall tile and floor tile except the public bathroom floors and 4-foot wainscot on the wet wall of the public restrooms. All remaining walls will be epoxy paint on water proof gypsum board.

20. General Contractor will have option to restore terrazzo in Historic Building or cover it. Omit terrazzo in new public safety building. Stair tread will be either solid wood or concrete pans that Contractor will select based on Architect's recommendation to meet I.B.C.

21, Omit signage from contract. Owner will supply and install all signage.

22. Change all toilet partitions to a standard plastic-type partition.

23. Omit evidence lockers from contract. Owner acknowledges that they will supply And install the evidence lockers to meet the building program.

24. Omit compact evidence shelving. Owner acknowledges that they will supply and install to meet the building program.

25. Mechanical Changes: (see attached letter from Pat L. McKenzie, Inc.)

26. The mechanical system controls will be provided by the City of Hattiesburg. The City will bid controls out and the Contractor will coordinate installation.

27. Electrical Changes:
    a. All V.E. items per Chain Electric (see attached Chain Electric Value Engineering letter)

28. Omit wall guards.

29. Grass sod will be furnished and installed by the City of Hattiesburg.

30. All grassing, landscaping, irrigation and irrigation sleeves will be installed by the City of Hattiesburg.

31. Delete all cast iron downspout boots.

32. Delete freight elevator. All shafts will be installed for future install.

33. Change detention security doors to 12 ga security hollow metal frames and 12 ga metal doors as approved by the Hattiesburg Police.

34. The City of Hattiesburg Code Official ruled the drawing modifications required for all Of the above cuts can be produced as the project moves forward.

35. Omit all concrete sidewalks, concrete curbs and gutters, and all site work concrete on North side of Historic Building. City will construct this area in future Memorial Design or under their present site work contract.

36. Omit stamped concrete from site design.

37. Omit (2) Lighted flag poles and concrete surrounds on North side of Historic Building.

It is Hanco Corporation's intent to construct this building and go through the building process without any change orders. Hanco Corporation will diligently work with City representatives as well as design professional representatives to avoid potential change orders.

Additional added scopes of work or unforeseen conditions or covered conditions that affect cost will have to be addressed if and when they are possibly encountered.

Hanco Corporation requires the right to sign off on and approve all revised architectural drawings generated to clarify value engineered items.

Sincerely,
Hanco Corporation

Chris Hudson

EXHIBIT D

PAT L MCKENZIE, INC.
MECHANICAL CONTRACTOR
P.O. Box 278 Ellisville, MS 39437
Phone: (601) 4n-3423
Fax: (601) 4n-3496

February 11, 2019 Certificate of Responsibility #03558-MC

To: Hanco Corporation

Project: Public Safety Complex
Hattiesburg, MS
Division 22 - Plumbing
Division 23 - HVAC

Gentlemen:

We offer the following value engineering items for the above project for a price reduction

1. Change Sanitary and Storm Drain Piping from Cast Iron to PVC-DWV (With Firewrap Where Required)
2. Change Condensate Drain Piping from Copper DWV to PVC-DWV
3. Change Domestic Water Piping from Copper to Aquatherm & PEX
4. Change Chilled Water Piping to Aquatherm
5. Change Heating Water Piping to Aquatherm
6. Pipe Insulation Thickness to be Per Aquatherm' s Recommendations
7. Fiberglass Insulation to be used on Aquatherm Chilled Water Pipe in lieu of Foam Glass
8. Various Changes to Plumbing Fixtures to Standard Commercial Fixtures
9. Changed Specified Recirculation Pumps to Taco 2400-45-3P and 1915D-l-18-l
10. Remove Smoke Evacuation System
11. Change Site Utility Water Main Piping from Ductile Iron to C900 Pipe with MJ Fittings
12. Delete Magnesium Grounding Anodes and Access Boxes
13. Reduce the Casing Size of All AHUs. All Specified Capacities and Features Will Be Met.
14. Delete Multiple Supply Fans for AHU-3, 4, & 6, and the Multiple Relief Fans for AHU-6, and Provide Single Direct Drive Plenum Fans in Both the Supply and Relief Fan Sections. All Performance Criteria will be met as Designed.
15. Reduce Pipe Chase Enclosures from 36 Inches to 24 Inches
16. Change the Two (2) Air Cooled Rotary Chillers to Two (2) Air Cooled Scrolled Chillers
17. Change the Two (2) Outside Air Units to One (1) Outside Air Unit
18. Delete the Chilled Water BTU Meter, Heating Water BTU Meter, Natural Gas Meter, and Laptop Computers from the Control Specifications
19. Delete Low Pressure Duct Testing
20. Delete Coordination Drawings
21. Change All Grilles from Aluminum to Steel
22. Change Square Cone Diffusers from Removable Core to Affixed Core
23. Change Slot Diffusers to Lay In

Respectfully Submitted By:
Pat L. McKenzie, Inc.

EXHIBIT D

SINCE 1955
CHAIN ELECTRIC
COMPANY

1308 W. Pine Street
P. O. Box 2058
Hattiesburg, MS 39403-2058
Telephone (601) 545-3800
FAX (601) 584-8320
e-mail: bchain@bchain.com

February 13, 2019

Hanco Corporation
Fax: 601-583-6503
Attn: Chris Hudson

Re: Electrical Value Engineering for Hattiesburg Public Safety Complex Project – City of Hattiesburg, MS (Revised from Electrical VE Proposal, Dated January 22, 2019)

Please accept the following as our electrical value engineered proposal to reduce the overall cost of electrical installation for the Hattiesburg Public Safety Complex Project – Police Department, Municipal Court, and Historic Hospital Buildings.

***ELECTRICAL VALUE ENGINEERED OPTIONS***

**LIGHT FIXTURES AND LIGHTING CONTROLS PACKAGE**

**POLICE AND COURT BUILDING:**

*Change recessed linear LED fixtures types K4RG, K4WW, KR2L, KR4L, KR4H, and KR4W to recessed lay-in flat panels (2x4, 2x2, or 1x4).
*Change recessed 2x4/2x2 lay-in fixtures types S and S2 to recessed lay-in flat panels.
*Change exit fixtures types X1, X2, XR1, and XR2 to standard commercial grade thermoplastic exits.
*Change fixtures types C1, C2, and D dimming divers from Eldo 0-10%/1% dimming to Phillips 0-10%/1% dimming.
*Change linear pendant fixture type K4ID to surface mount flat panels.

**HISTORIC HOSPITAL BUILDING:**

*Change recessed linear LED fixtures types KK1 and KK2 to recessed lay-in flat panels (2x4, 2x2, or 1x4).
*Change exit fixtures type X1 and X2 to standard commercial grade thermoplastic exits.
*Change fixture type CC1 dimming drivers from Eldo 0-10%/1% dimming to Philips 0-10%/1% dimming.
*Change recessed 2x4 lay-in fixture type SS to recessed flat panel lay-ins.
*Change pendant fixture type AA to Williams SDI5 Series pendants

**DISTRIBUTION GEAR PACKAGE**

*Change all switchboard and panelboard buss from copper to aluminum.
*Change dead-front, door-in-door 4 piece hinged panelboard covers to standard type.

**GENERATOR/ATS PACKAGE**

*Change ATS manufacturer from ASCO to EATON.
*Received better weatherproof generator enclosure price from different manufacturer.

**LIGHTNING PROTECTION SYSTEM PACKAGE**

*Eliminate Lightning Protection System in its entirety.

TELEPHONE, DATA, CATV, AND POWER RACEWAY SYSTEM

*Eliminate as specified conduit raceway system installed from each device to communications backboards and provide conduit raceways stubbed up from each device to above accessible ceiling and a J-hook wire management system above ceiling for routing of cables to communications backboards. This will cut down on a substantial amount of conduit and help reduce congestion above the ceilings.

*Use MC type cable for power branch circuits from centrally located homerun J-boxes to device outlets where permissible, instead of hard pipe and wire.

*Price does not include tax or bond.

*All clarifications and qualifications stated in Original Electrical Proposal from Chain Electric Company, dated 1-3-2019, still apply.

*Value engineered electrical options must be acceptable to and approved by Owner, Project Architect, and Project Electrical Engineer.

*If accepted, the Electrical Value Engineered Proposal amount shall be deducted from Chain Electric Company's original base bid proposal amount, dated 1-3-2019.

If you have any questions or concerns, please call me at 601-545-3800 or 601-596-5152.

Thank you,

Harvey Simmons
Manager Commercial and Industrial Division