



JEFFERSON COUNTY

PLANS & SPECIFICATIONS FOR PROPOSED IMPROVEMENTS TO JEFFERSON COUNTY HEALTH CLINIC

1295 Pearl Street
Beaumont, Texas 77701



Robert King Balfour
1/23/13



Expires 04-30-2013



Chica & Associates, Inc.

Consulting Engineers

Texas Registered Engineering Firm F-1062
505 Orleans, Suite 106 Beaumont, Texas 77701
Ph: (409) 833-4343 Fax: (409) 833-8326

White Rock Studio, LLC



1407 San Saba Drive
Dallas, Texas 75218
214.763.0416



JEFFERSON COUNTY PURCHASING DEPARTMENT

Deborah L. Clark, Purchasing Agent

1149 Pearl Street, Beaumont, TX 77701 409-835-8593 Fax 409-835-8456

LEGAL NOTICE Advertisement for Invitation for Bids

January 28, 2013

Notice is hereby given that sealed bids will be accepted by the Jefferson County Purchasing Division for IFB 13-001/JW, Refurbishment of Jefferson County Health Clinic. **Specifications for this project may be obtained from the website, <http://www.co.jefferson.tx.us>, or by calling 409-835-8593.**

Bids are to be addressed to the Purchasing Agent with the bid number and name marked on the outside of the envelope. Bidders shall forward an original and two (2) copies of their bid to the address shown below. Late bids will be rejected as non-responsive. Bids will be publicly opened and read aloud in the Jefferson County Commissioners' Courtroom at the time and date below. Bidders are invited to attend the sealed bid opening.

For more information, see <http://www.co.jefferson.tx.us/Purchasing/main.htm> or call Deborah L. Clark, Jefferson County Purchasing Agent, at 409-835-8593.

BID NAME: Refurbishment of Jefferson County Health Clinic
BID NO: IFB 13-001/JW
DUE DATE/TIME: 11:00 AM, February 19, 2013
MAIL OR DELIVER TO: Jefferson County Purchasing Department
1149 Pearl Street, 1st Floor
Beaumont, Texas 77701

Specifications and plans are available for a non-refundable \$100.00 charge at Chica and Associates, Inc., 505 Orleans, Suite 106, Beaumont, Texas, 77701. Contact Robert Balfour at (409) 833-4343. For questions see <http://www.co.jefferson.tx.us/Purchasing/main.htm> or call Jamey West, Contract Specialist at 409-835-8593.

A Mandatory Pre-Bid Conference will be held on Tuesday, February 12, 2013 at 10:00 AM CST. The conference will be held in the Jefferson County Engineering Department Conference Room located on the fifth floor of the Jefferson County Courthouse, 1149 Pearl Street, Beaumont, Texas 77701.

The County shall require the bidder to furnish a bid security in the amount of five percent (5%) of the total contract cost. The bid bond must be executed with a surety company authorized to do business in the State of Texas. Within ten (10) days after the date of the signing of a contract, the bidder shall furnish a performance bond to the County for the full amount of the contract, if the contract exceeds one hundred thousand dollars (\$100,000). If the contract is for one hundred thousand dollars (\$100,000) or less, the County may provide that no money be paid to the contractor until completion and acceptance of the work or the fulfillment of the purchase obligation to the County.

Any questions relating to these requirements should be directed to Jamey West, Contract Specialist at 409-835-8593.

All interested firms are invited to submit a bid in accordance with the terms and conditions stated in this bid.

RESPONDENTS ARE STRONGLY ENCOURAGED TO CAREFULLY READ THE ENTIRE INVITATION.

Deborah L. Clark
Purchasing Agent
Jefferson County, Texas

Publish: Beaumont Enterprise & Port Arthur News – January 30th and February 6th, 2013

IFB 13-001/JW

IFB
Refurbishment of Jefferson County
Health Clinic
Bids due: [insert time and date]

Table of Contents

Return with Bid	Description	Page(s)
	Table of Contents.....	1
	Instructions to Bidders	2-4
	General Conditions of Bidding and Terms of Contract	5-10
	Special Requirements/Instructions.....	11-13
	Minimum Specifications	14-15
	Scope of Work.....	16
X	Offer to Contract Form.....	17
X	Acceptance of Offer Form	18
X	Bid Form	19
X	Vendor References	20
X	Signature Page.....	21
X	Conflict of Interest Questionnaire.....	22-23
X	Good Faith Effort Determination Checklist	24
X	Notice of Intent.....	25
X	HUB Subcontracting Participation Declaration Form.....	26-29
X	Residence Certification/Tax Form.....	30
X	Bid Affidavit.....	31

BIDDER IS RESPONSIBLE FOR RETURNING ALL REQUIRED PAGES (MARKED AS “X” ABOVE) WITH THE BID. ADDITIONALLY, BIDDER MUST MONITOR THE PURCHASING WEB SITE (HTTP://WWW.CO.JEFFERSON.TX.US/PURCHASING/MAIN.HTM) TO SEE IF ADDENDA OR ADDITIONAL INSTRUCTIONS HAVE BEEN POSTED. FAILURE TO RETURN ALL REQUIRED FORMS COULD RESULT IN A BID BEING DECLARED AS NON-RESPONSIVE.

Instructions to Bidders

1. Bid Submission

Bids must be submitted in complete original form by mail or messenger to the following address:

Jefferson County Purchasing Division
1149 Pearl Street, First Floor
Beaumont, TX 77701

Bids will be accepted at the above address until the time and date specified herein, and immediately after will be publicly opened and read aloud.

All bids shall be tightly sealed in an opaque envelope and **plainly marked with the Bid Name, Bid Number, Due Date, and the Bidder's Name and Address.**

Late bids will not be accepted and will be returned unopened to the bidder.

All bids submitted in response to this invitation shall become the property of Jefferson County and will be a matter of public record available for review.

2. Preparation of Bids

The bid shall be legibly printed in ink or typed.

If a unit price or extension already entered is to be altered, it shall be crossed out and initialed in ink by the bidder.

The bid shall be legally signed and shall include the complete address of the bidder.

Jefferson County is exempt from Federal and State Sales Taxes, and such taxes shall not be included in bid prices.

3. Signatures

All bids, notifications, claims, and statements must be signed by an individual authorized to bind the bidder. The individual signing certifies, under penalty of perjury, that he or she has the legal authorization to bind the bidder.

4. Rejection or Withdrawal

Submission of additional terms, conditions or agreements with the bid document are grounds for deeming a bid non-responsive and may result in bid rejection. Jefferson County reserves the right to reject any and all bids and to waive any informalities and minor irregularities or defects in bids. Bids may be withdrawn in person by a bidder or authorized representative, provided their

identity is made known and a receipt is signed for the bid, but only if the withdrawal is made prior to the time set for receipt of bids. Bids are an irrevocable offer and may not be withdrawn within 90 days after opening date.

5. Award

The bid will be awarded to the responsible, responsive bidder(s) whose bid, conforming to the solicitation, will be most advantageous to Jefferson County – price and other factors considered. Unless otherwise specified in this IFB, Jefferson County reserves the right to accept a bid in whole or in part, and to award by item or by group, whichever is deemed to be in the best interest of Jefferson County. Any bidder who is in default to Jefferson County at the time of submittal of the bid shall have that bid rejected. Jefferson County reserves the right to clarify any contractual terms with the concurrence of the Contractor; however, any substantial nonconformity in the offer, as determined by Jefferson County, shall be deemed non-responsive and the offer rejected.

In evaluating bids, Jefferson County shall consider the qualifications of the bidders, and, where applicable, operating costs, delivery time, maintenance requirements, performance data, and guarantees of materials and equipment. In addition, Jefferson County may conduct such investigation as it deems necessary to assist in the evaluation of a bid and to establish the responsibility, qualifications, and financial ability of the bidders to fulfill the contract.

Jefferson County reserves the right to award this contract on the basis of **lowest and best bid** in accordance with the laws of the State of Texas, to waive any formality or irregularity, to make awards to more than one offeror, and/or to reject any or all bids. In the event the lowest dollar offeror meeting specifications is not awarded a contract, Offeror may appear before the Commissioners' Court and present evidence concerning Offeror responsibility after officially notifying the Office of the Purchasing Agent of Offeror's intent to appear.

6. Contract

A response to an IFB is an offer to contract with Jefferson County based upon the terms, conditions, and specifications contained in the IFB. Bids do not become contracts unless and until they are executed by Jefferson County, eliminating a formal signing of a separate contract. For that reason, all of the terms and conditions of the contract are contained in the IFB, unless any of the terms and conditions is modified by an IFB Amendment, a Contract Amendment, or by mutually agreed terms and conditions in the contract documents.

7. Waiver of Subrogation

Bidder and bidder's insurance carrier waive any and all rights whatsoever with regard to subrogation against Jefferson County as an indirect party to any suit arising out of personal or property damages resulting from bidder's performance under this agreement.

8. Fiscal Funding

A multi-year contract (if requested by the specifications) continuing as a result of an extension option, must include fiscal funding out. If, for any reason, funds are not appropriated to continue the contract, said contract shall become null and void.

9. Bid Results

Bid results are not provided in response to telephone inquiries. A preliminary tabulation of bids received will be posted on the Purchasing web page (<http://co.jefferson.tx.us/purchasing/main.htm>) as soon as possible following bid opening. A final tabulation will be posted following bid award, and will also be available for review in the Purchasing Division.

10. Changes and Addenda to Bid Documents

Each change or addendum issued in relation to this IFB document will be on file in the Office of the Purchasing Agent, and will be posted on the Purchasing web site as soon as possible. It shall be the bidder's responsibility to make inquiry as to change or addenda issued, and to monitor the web site. All such changes or addenda shall become part of the contract and all bidders shall be bound by such addenda. Information on all changes or addenda issued will be available at the Office of the County Purchasing Agent.

11. Specifications

Unless otherwise stated by the bidder, the bid will be considered as being in accordance with Jefferson County's applicable standard specifications, and any special specifications outlined in the bid document. References to a particular trade name, manufacturer's catalogue, or model number are made for descriptive purposes to guide the bidder in interpreting the requirements of Jefferson County, and should not be construed as excluding bids on other types of materials, equipment, and supplies. However, the bidder, if awarded a contract, will be required to furnish the particular item referred to in the specifications or description unless departure or substitution is clearly noted and described in the bid. Jefferson County reserves the right to determine if equipment/ product being bid is an acceptable alternate. All goods shall be new unless otherwise so stated in the bid. Any unsolicited alternate bid, or any changes, insertions, or omissions to the terms and conditions, specifications, or any other requirements of the bid, may be considered non-responsive.

12. Delivery

Bids shall include all charges for delivery, packing, crating, containers, etc. Unless otherwise stated by the bidder (in writing on the included Bid Form), prices bid will be considered as being based on F.O.B. destination/delivered freight included.

13. Interpretation of Bid and/or Contract Documents

All inquiries shall be made within a reasonable time prior to the date and time fixed for the bid opening, in order that a written response in the form of an addendum, if required, can be processed before the bids are opened. Inquiries received that are not made in a timely fashion may or may not be considered.

14. Currency

Prices calculated by the bidder shall be stated in U.S. dollars.

15. Pricing

Prices shall be stated in units of quantity specified in the bid documents. In case of discrepancy in computing the amount of the bid, the unit price shall govern.

16. Notice to Proceed/Purchase Order

The successful bidder may not commence work under this contract until authorized to do so by the Purchasing Agent.

17. Certification

By signing the offer section of the Offer and Acceptance page, bidder certifies:

- The submission of the offer did not involve collusion or other anti-competitive practices.
- The bidder has not given, offered to give, nor intends to give at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to any public servant in connection with the submitted offer.
- The bidder hereby certifies that the individual signing the bid is an authorized agent for the bidder and has the authority to bind the bidder to the contract.

18. Definitions

“County” – Jefferson County, Texas.

“Contractor” – The bidder whose proposal is accepted by Jefferson County.

19. Minority-Women Business Enterprise Participation

It is the desire of Jefferson County to increase the participation of Minority (MBE) and women-owned (WBE) businesses in its contracting and procurement programs. While the County does not have any preference or set aside programs in place, it is committed to a policy of equitable participation for these firms.

General Terms and Conditions Of Bidding and Terms Of Contract

By execution of this document, the vendor accepts all general and special conditions of the contract as outlined below and in the specifications and plans.

1. Bidding

1.1 Bids. All bids must be submitted on the bid form furnished in this package.

1.2 Authorized Signatures. The bid must be executed personally by the vendor, duly authorized partner of the partnership, or duly authorized officer of the corporation. If executed by an agent, a power of attorney or other evidence of authority to act on behalf of the vendor shall accompany the bid to become a valid bid.

1.3 Late Bids. Bids must be in the office of the Jefferson County Purchasing Agent before or at the specified time and date bids are due. Bids received after the submission deadline shall be rejected as non-responsive and returned unopened.

1.4 Withdrawal of Bids Prior to Bid Opening. A bid may be withdrawn before the opening date by submitting a written request to the Purchasing Agent. If time allows, the bidder may submit a new bid. Bidder assumes full responsibility for submitting a new bid before or at the specified time and date bids are due. Jefferson County reserves the right to withdraw a request for bids before the opening date.

1.5 Withdrawal of Bids after Bid Opening. Bidder agrees that its offer may not be withdrawn or cancelled by the vendor for a period of ninety (90) days following the date and time designated for the receipt of bids unless otherwise stated in the bid and/or specifications.

1.6 Bid Amounts. Bids shall show net prices, extensions where applicable and net total. In case of conflict between unit price and extension, the unit price will govern. Any ambiguity in the bid as a result of omission, error, unintelligible or illegible wording shall be interpreted in the favor of Jefferson County.

1.7 Exceptions and/or Substitutions. All bids meeting the intent of the specifications and plans will be considered for award. Vendors taking exception to the specifications and plans, or offering substitutions, shall state these exceptions in the section provided. If bid is made on an article other than the one specified, which a bidder considers comparable, the name and grade of said article must be specified in the bid and sufficient specifications and descriptive data must accompany same to permit thorough evaluation. The absence of stated exceptions and/or substitutions shall indicate that the vendor has not taken any exceptions to the specifications and shall be responsible to perform in strict accordance with the specifications. As a matter of practice, Jefferson County rejects exception(s) and /or substitutions as non-responsive but reserves the right to accept any and/or all of the exception(s) and/or substitution(s) deemed to be in the best interest of Jefferson County.

1.8 Alternates. The Invitation for Bid and/or specifications may expressly allow bidder to submit an alternate bid. Presence of such an offer shall not be considered an indication of non-responsiveness.

1.9 Descriptions. Unless otherwise specified, any reference to make, manufacturer and/or model used in the bid specifications is merely descriptive and not restrictive, and is used only to indicate type, style, or quality of material desired.

1.10 Bid Alterations. Bids cannot be altered or amended after submission deadline. Any interlineations, alterations, or erasures made before opening time must be initialed by the signer of the bid, guaranteeing authenticity.

1.11 Tax Exempt Status. Jefferson County is exempt from federal excise tax and state sales tax. Unless the bid form or specifications specifically indicate otherwise, the bid price must be net, exclusive of above-mentioned taxes and will be so construed. Therefore, the bid price shall not include taxes.

1.12 Quantities. Quantities indicated are estimated quantities only and are not a commitment to buy. Approximate usage does not constitute an order, but only implies the probable quantity that will be used. Commodities will be ordered on an as-needed basis. Bidder is responsible for accurate final counts.

1.13 Bid Award. Award of contract shall be made to the most responsible, responsive bidder, whose offer is determined to be the best value, taking into consideration the relative importance of price. Jefferson County reserves the right to be the sole judge as to whether items bid will serve the purpose intended. Jefferson County reserves the right to accept or reject in part or in whole any bid submitted, and to waive any technicalities or informalities for the best interest of the County. Jefferson County reserves the right to award based upon individual line items, sections or total bid.

1.14 Silence of Specifications for Complete Units. All materials, equipment and/or parts that will become a portion of the completed work, including items not specifically stated herein but, necessary to render the service(s) complete and operational per the specifications, are to be included in the bid price. Vendor may be required to furnish evidence that the service, as bid, will meet or exceed these requirements.

1.15 Addenda. Any interpretations, corrections or changes to the specifications and plans will be made by addenda no later than forty-eight (48) hours prior to the bid opening. Addenda will be posted on the Purchasing web site. Vendors are responsible for monitoring the web site in order to remain informed on addenda. Vendors shall acknowledge receipt of all addenda with submission of bid.

1.16 General Bid Bond/Surety Requirements. Failure to furnish bid bond/surety, if requested, will result in bid being declared non-responsive. Non-responsive bids will not be considered for award.

1.17 General Insurance Requirements. Failure to furnish Affidavit of Insurance, if required in these specifications, will result in bid being declared non-responsive. Non-responsive bids will not be considered for award.

1.18 Responsiveness. A responsive bid shall substantially conform to the requirements of this Invitation to Bid and/or specifications contained herein. Bidders who substitute any other terms, conditions, specifications and/or requirements or who qualify their bids in such a manner as to nullify or limit their liability to the contracting entity shall have their bids deemed non-responsive. Also, bids containing any clause that would limit contracting authority shall be considered non-responsive. Examples of non-responsive bids include but shall not be limited to: a) bids that fail to conform to required delivery schedules as set forth in the bid request; b) bids with prices qualified in such a manner that the bid price cannot be determined, such as with vague wording that may include "price in effect at the time of delivery," and c) bids made contingent upon award of other bids currently under consideration.

1.19 Responsible Standing of Bidder. To be considered for award, bidder must at least: have the ability to obtain adequate financial resources, be able to comply with required or proposed delivery/completion schedule, have a satisfactory record of performance; have a satisfactory record of integrity and ethics, and be otherwise qualified and eligible to receive award.

1.20 Proprietary Data. Bidder may, by written request, indicate as confidential any portion(s) of a bid that contain proprietary information, including manufacturing and/or design processes exclusive to the vendor. Jefferson County will protect from public disclosure such portions of a bid, unless directed otherwise by legal authority, including existing Open Records Acts.

1.21 Public Bid Opening. Bidders are invited to be present at the opening of bids. After the official opening of bids, a period of not less than one week is necessary to evaluate bids. The amount of time necessary for bid evaluation may vary and is determined solely by the County. Following the bid evaluation, all bids submitted are available for public review.

2. Performance

2.1 Design, Strength, and Quality. Design, strength, and quality of materials and workmanship must conform to the highest standards of manufacturing and engineering practices. The apparent silence of specifications and/or plans as to any detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail. All interpretations of these specifications and/or plans shall be made on the basis of this statement.

2.2 Age and Manufacture. All tangible goods being bid must be new and unused, unless otherwise specified, in first-class condition, of current manufacture, and furnished ready to use. All items not specifically mentioned that are required for a complete unit shall be furnished.

2.3 Delivery Location. All deliveries will be made to the address(es) specified on the purchase order during normal working hours of 8:00 a.m. to 4:00 p.m., Monday through Friday, unless otherwise authorized by the Purchasing Agent or designee.

2.4 Delivery Schedule. Delivery time may be an important consideration in the evaluation of best value. The maximum number of days necessary for delivery ARO shall be stated in the space, if provided, on the bid form.

2.5 Delivery Charges. All delivery and freight charges, F.O.B. destination shown on Jefferson County purchase order, as necessary to perform contract are to be included in the bid price.

2.6 Installation Charges. All charges for assembly, installation and set-up shall be included in the bid price. Unless otherwise stated, assembly, installation and set-up will be required.

2.7 Operating Instructions and Training. Clear and concise operating instructions and descriptive literature will be provided in English, if requested. On-site detailed training in the safe and efficient use and general maintenance of item(s) purchased shall be provided as needed at the request of Jefferson County. Instructions and training shall be at no additional cost to the County.

2.8 Storage. Bidder agrees to provide storage of custom ordered materials, if requested, for up to thirty (30) calendar days.

2.9 Compliance with Federal, State, County, and Local Laws. Bids must comply with all federal, state, county and local laws, including, but not limited to, all applicable standard safety, emission, and noise control requirements. Any vehicles or equipment shall contain all standard safety, emission, and noise control requirements required for the types and sizes of equipment at the time of their manufacture. The contractor agrees, during the performance of work or service, to comply with all applicable codes and ordinances of Jefferson County or the State of Texas as they may apply, as these laws may now read, or as they may hereafter be changed or amended.

2.10 OSHA. The bidder will certify all equipment complies with all regulations and conditions stipulated under the Williams-Steiger Occupational Safety and Health Act of 1971, as amended. The successful bidder will further certify that all items furnished under this project will conform and comply with federal and State of Texas OSHA standards. The successful bidder will agree to indemnify and hold harmless Jefferson County for any and all damages that may be assessed against the County.

2.11 Patents and Copyrights. The successful vendor agrees to protect the County from claims involving infringements of patents and/or copyrights.

2.12 Samples, Demonstrations and Testing. At Jefferson County's request and direction, bidder shall provide product samples and/or testing of items bid to ensure compliance with specifications. Samples, demonstrations and/or testing may be requested at any point prior to or following bid award. Samples, demonstrations and/or testing may be requested upon delivery and/or any point during the term of resulting contract. All samples (including return thereof), demonstrations, and/or testing shall be at the expense of the bidder/vendor.

2.13 Acceptability. All articles enumerated in the bid shall be subject to inspection by an officer designated for that purpose by Jefferson County. If found inferior to the quality called for, or not equal in value to the specifications, deficient in workmanship or otherwise, this fact shall be certified to the Purchasing Agent, who shall have the right to reject the whole or any part of the same. Items and/or work determined to be contrary to specifications must be replaced at the vendor's expense.

Inferior items not retrieved by the vendor within thirty (30) calendar days, or an otherwise agreed upon time, shall become the property of the County. If disposal of such items warrants an expense, an amount equal to the disposal expense will be deducted from amounts payable to the vendor.

2.14 Maintenance. Maintenance required for equipment bid should be available in Jefferson County by a manufacturer authorized maintenance facility. Cost for this service shall be shown on the bid sheet as requested or on a separate sheet, as required. If Jefferson County opts to include maintenance, it shall be so stated in the purchase order and said cost will be included. Service will commence only upon expiration of applicable warranties and should be priced accordingly.

2.15 Material Safety Data Sheets. Under the "Hazardous Communications Act," common known as the "Texas Right to Know Act," a bidder must provide the user department, with each delivery, material safety data sheets which are applicable to hazardous substances defined in the Act. Failure of the bidder to furnish this documentation, will be cause to reject any bid applying thereto.

2.16 Evaluation. Evaluation shall be used as a determinant as to which services are the most efficient and/or most economical for the County. It shall be based on all factors having a bearing on price and performance of the items in the user environment. All bids are subject to tabulation by the Jefferson County Purchasing Department and recommendation to Jefferson County Commissioners' Court. Compliance with all bid requirements and needs of the using department are considered in evaluating bids. Pricing is not the only criteria for making a recommendation. The Jefferson County Purchasing Department reserves the right to contact any bidder, at any time, to clarify, verify or requirement information with regard to this bid.

3. Purchase Orders and Payment

3.1 Purchase Orders. A purchase order(s) shall be generated by the Jefferson County Purchasing Agent to the successful vendor. The purchase order number must appear on all itemized invoices and packing slips. The County will not be held responsible for any work orders placed and/or performed without a valid current purchase order number. Payment will be made for all services rendered and accepted by the contract administrator for which a valid invoice has been received.

3.2 Invoices. All invoices shall reference the Purchase Order number. Invoices shall reference the bid item number or a detailed description for each item invoiced. If an item purchased and itemized on the invoice does not correspond to an item in any of the categories awarded to the vendor, invoice shall reference the item as "N/C" to indicate that it is a non-contract item. This requirement is to assist the County in verifying contract pricing on all invoices. Payment will be made under terms of net thirty (30) days unless otherwise agreed upon by seller and the purchasing department.

3.3 Prompt Payment. In accordance with the State of Texas Prompt Payment Act, Article 601f V.T.C.S., payment will be made after receive and acceptance by the County of the merchandise ordered and of a valid invoice. Successful bidder(s) is required to pay subcontractors within ten (10) days after the successful bidder receives payment from the County.

3.4 Funding. Jefferson County is operated and funded on an October 1 to September 30 basis; accordingly, the County reserves the right to terminate, without liability to the County, any contract for which funding is not available.

4. Contract

4.1 Contract Definition. The General Conditions of Bidding and Terms of Contract, Specifications, Plans, Bidding Forms, Addenda, and any other documents made a part of this bid shall constitute the complete bid. This bid, when duly accepted by Jefferson County, shall constitute a contract equally binding between the successful bidder and Jefferson County.

4.2 Contract Agreement. Once a contract is awarded, the unit prices offered by the successful bidder shall remain firm for the term of the contract. Contract shall commence on date of award and, upon agreement between vendor(s) and Jefferson County, may be renewed annually for four (4) additional years.

4.3 Change Order. No different or additional terms will become part of this contract with the exception of a change order. No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All change orders to the contract will be made in writing and at the discretion and approval of Jefferson County. No change order will be binding unless signed by an authorized representative of the County and the vendor.

4.4 Price Re-determination. A price re-determination may be requested at the time of annual renewal. All requests for price re-determination shall be in written form. Cause for such request, i.e., manufacturer's direct cost, postage rates, Railroad Commission rates, Federal/State minimum wage law, Federal/State unemployment taxes, F.I.C.A, Insurance Coverage Rates, etc., shall be substantiated in writing by the source of the cost increase. The bidder's past experience of honoring contracts at the bid price will be an important consideration in the evaluation of the lowest and best bid. Jefferson County reserves the right to accept or reject any/all requests for price re-determination as it deems to be in the best interest of the County.

4.5 Termination. Jefferson County reserves the right to terminate the contract for default if the bidder breached any of the terms therein, including warranties of bidder or if the bidder becomes insolvent or commits acts of bankruptcy. Such right of termination is in addition to and not in lieu of any other remedies which Jefferson County may have in law or equity. Default may be construed as, but not limited to, failure to deliver the proper goods and/or service within the proper amount of time, and/or to properly perform any and all services required to Jefferson County's satisfaction and/or to meet all other obligations and requirements. Contracts may be terminated without cause upon thirty (30) days' written notice to either party unless otherwise specified. Jefferson County reserves the right to award canceled contract to the next lowest bidder. Bidder, in submitting this bid, agrees that Jefferson County shall not be liable to prosecution for damages in the event that the County declares the bidder in default.

4.6 Conflict of Interest. Employees of the County are not permitted to maintain financial interest in, or receive payment, directly or indirectly, borrow from, lend to, invest in, or engage in any substantial financial transaction with any individual, organization, supplier, or subcontractor who does business with the County without disclosure. When conflict of interest is discovered, it shall be grounds for termination of contract.

4.7 Injuries or Damages Resulting from Negligence. Successful vendor shall defend, indemnify and save harmless Jefferson County and all its officers, agents and employees from all suits, actions, or other claims of any character, name and description brought for or on account of any injuries or damages received or sustained by any person, persons, or property on account of any negligent act or fault of the successful vendor, or of any agent, employee, subcontractor or supplier in the execution of, or performance under, any contract which may result from bid award. Successful vendor shall pay any judgment with cost which may be obtained against Jefferson County growing out of such injury or damages.

4.8 Interest by Public Officials. No public official shall have interest in this contract, in accordance with Texas Local Government Code.

4.9 Warranty. The successful vendor shall warrant that all materials utilized in the performance of this contract shall conform to the proposed specifications and/or all warranties as stated in the Uniform Commercial Code and be free from all defects in material, workmanship and title.

4.10 Uniform Commercial Code. The successful vendor and Jefferson County agree that both parties have all rights, duties, and remedies available as stated in the Uniform Commercial Code.

4.11 Venue. This agreement will be governed and construed according to the laws of the State of Texas. This agreement is performable in the County of Jefferson, Texas.

4.12 Sale, Assignment, or Transfer of Contract. The successful vendor shall not sell, assign, transfer or convey this contract, in whole or in part, without the prior written consent of Jefferson County.

4.13 Silence of Specifications. The apparent silence of these specifications as to any detailed description concerning any point, shall be regarded as meaning that only the best commercial practices are to prevail. All interpretations of these specifications shall be made on the basis of this statement.

Special Requirements/Instructions

The following requirements and instructions supersede General Requirements where applicable.

1. Bid Requirement

Each bidder shall insure that all parts of the bid are **completed and returned**. The Table of Contents indicates specifically which pages need to be returned; these pages shall constitute the vendor's bid. Vendor shall use an opaque envelope, clearly indicating on the outside the **Bid Number, Bid Name, and marked "SEALED BID."** Jefferson County shall not be responsible for any effort or cost expended in the preparation of a response to this IFB. All protests should be coordinated through the Purchasing Office prior to award recommendation to Commissioners' Court. **Bidders shall submit one (1) original and three (3) copies of the bid.**

2. Multiple Vendor Award

Jefferson County reserves the right to award this contract to more than one vendor at the County's discretion.

3. Delivery

If delivery is required, all items must be packaged so as to be protected from damage during shipping and handling. Any item(s) damaged in shipping must be replaced in kind, or repaired, by the contractor, at the discretion of, and at no additional charge to, Jefferson County.

4. Payment

Jefferson County will pay original invoices that clearly itemize the goods and/or services provided as to quantity, part number, description, price, applicable discount (if any), labor charges showing time differential, if applicable and if previously agreed to, and delivery, installation, and set-up costs, if applicable and if previously agreed to. Only charges as stated on the Bid Form(s) submitted as a part of the bid will be considered.

Invoices must indicate Jefferson County as applicable, the address to which the product(s) and/or service(s) were delivered, and the applicable purchase order number. Invoices will be matched to delivery tickets prior to payment; therefore, all delivery tickets should have an accurate description of the product(s) and/or service(s).

5. Usage Reports

Jefferson County reserves the right to request, and receive at no additional cost, up to two (2) times during the contract period, a usage report detailing the products and/or services furnished to date under a contract resulting from this IFB. The reports must be furnished no later than five (5) working days after written request and itemize all purchases to date by Jefferson County department, description of each item purchased, including manufacturer, quantity of each item purchased, per unit and extended price of each item purchased, and total amount and price of all items purchased.

6. Insurance

The contractor shall, at all times during the term of this contract, maintain insurance coverages with not less than the type and requirements shown below. Such insurance is to be provided at the sole cost of the contractor. These requirements do not establish limits of the contractor's liability.

All policies of insurance shall waive all rights of subrogation against the County, its officers, employees and agents.

Contractor shall furnish Jefferson County with Certificate of Insurance naming Jefferson County as additional insured.

All insurance must be written by an insurer licensed to conduct business in the State of Texas.

Minimum Insurance Requirements

Public Liability	\$300,000.00
Property Damage	\$300,000.00
Bodily Injury	\$300,000.00
Excess Liability	\$1,000,000.00
Workers' Compensation	Statutory Coverage (see attached)

7. Workers' Compensation Insurance

7.1 Definitions:

7.1.1 **Certificate of coverage ("Certificate")** – A copy of a certificate of insurance, a certificate of authority to self-insure issued by the commission, or a coverage agreement, TWCC-81, TWCC-82, TWCC-83, or TWCC-84 showing statutory workers' compensation insurance coverage for the person's or entity's employees providing services on a project, for the duration of the project.

7.1.2 **Duration of the project** – Includes the time from the beginning of the work on the project until the contractor's/person's work on the project has been completed and accepted by the governmental entity.

7.1.3 **Persons providing services on the project ("subcontractor") in article 406.096** – Includes all persons or entities performing all or part of the services under the contractor has undertaken to perform on the project, regardless of whether that person contracted directly with the contractor and regardless of whether that person has employees. This includes, without limitation, independent contractors, subcontractor, leasing companies, motor carriers, owner-operators, employees of any such entity, or employees of any entity which furnishes persons to provide services on the project. "Services" includes, without limitation, providing, hauling or delivering equipment or materials, or providing labor, transportation, or other service related to a project. "Services" does not include activities unrelated to the project, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.

7.2 The Contractor shall provide coverage, based on proper reporting of classification code and payroll amounts and filing any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all employees of the contractor providing services on the project, for the duration of the project.

7.3 The Contractor must provide a certificate of coverage to the governmental entity prior to being awarded the contract.

7.4 If the coverage period shown on the Contractor's current certificate of coverage ends during the duration of the project, the Contractor must, prior to the end of the coverage period, file a new certificate of coverage with the governmental entity showing that coverage has been extended.

7.5 The Contractor shall obtain from each person providing services on a project, and provide to the governmental entity:

7.5.1 A certificate of coverage, prior to that person beginning work on the project, so the governmental entity will have on file certificates of coverage showing coverage for all persons providing services on the project; and

7.5.2 No later than seven (7) days after receipt by the Contractor, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate ends during the duration of the project.

7.6 The Contractor shall retain all required certificates of coverage for the duration of the project and for one (1) year thereafter.

7.7 The Contractor shall notify the governmental entity in writing by certified mail or personal delivery, within ten (10) days after the contractor knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project.

- 7.8 The Contractor shall post on each project site a notice, in the text, form and manner prescribed by the Texas Workers' Compensation Commission, informing all persons providing services on the project that they are required to be covered, and stating how a person may verify coverage and report lack of coverage.
- 7.9 The Contractor shall contractually require each person with whom it contracts to provide services on a project to:
- 7.9.1 Provide coverage, based on reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all its employees providing services on the project, for the duration of the project.
 - 7.9.2 Provide to the Contractor, prior to that person beginning work on the project a certificate of coverage showing that coverage is being provided for all employees of the person providing services on the project, for the duration of the project.
 - 7.9.3 Provide the Contractor, prior to the end of coverage period, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the project.
 - 7.9.4 Obtain from each person with whom it contracts, and provide to the Contractor:
 - 7.9.4.1 A certificate of coverage, prior to the other person beginning work on the project; and
 - 7.9.4.2 the coverage period, if the coverage period shown on the current certificate of a new certificate of coverage showing extension of coverage, prior to the end of coverage ends during the duration of the project.
 - 7.9.5 Retain all required certificates of coverage on file for the duration of the project and for one (1) year thereafter.
 - 7.9.6 Notify the governmental entity in writing by certified mail or personal delivery, within ten (10) days after the person knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project; and
 - 7.9.7 Contractually require each person with whom it contracts to perform as required by paragraphs 1.1. – 1.7., with the certificates of coverage to be provided to the person for whom they are providing services.
- 7.10 By signing this contract or providing or causing to be provided a certificate of coverage, the Contractor is representing to the governmental entity that all employees of the contractor who will provide services of the project will be covered by workers' compensation coverage for the duration of the project, that the coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with the appropriate insurance carrier or, in the case of a self-insured, with the commission's Division of Self-Insurance Regulation. Providing false or misleading information may subject the contractor to administrative penalties, criminal penalties, civil penalties, or other civil actions.
- 7.11 The Contractor's failure to comply with any of these provisions is a breach of contract by the Contractor which entitles the governmental entity to declare the contract void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the governmental entity.

Minimum Specifications

The following requirements and specifications supercede General Requirements where applicable. Contact [insert name], Contract Specialist (e-mail: jwest@co.jefferson.tx.us; phone: 409-835-8593), regarding any questions or comments. Please reference Bid No. [insert bid number], Refurbishment of Jefferson County Health Clinic.

Scope

Vendor shall provide the Refurbishment of Jefferson County Health Clinic subject to the terms and conditions stated for an initial period **beginning on or about date of award**.

[Refer questions of a commercial nature to Jamey West, Contract Specialist at 409-835-8593; and questions of a technical nature to David Knight at 835-8511.]

General Requirements

Pricing

Prices shall remain firm for the duration of the contract.

Award

Jefferson County reserves the right to award this contract to the lowest responsible bidder, to waive any formality or irregularity, and to reject any or all bids. In the event the lowest dollar bidder meeting specifications is not awarded a contract, the bidder may appear before the Commissioners' Court to present evidence concerning his responsibility. If the contractor fails to perform services in accordance with specifications and the contract is terminated, the County reserves the right to award to the next low bidder without re-bidding.

Vendors Owing Taxes

Pursuant to Texas Local Government Code §262.0276, Jefferson County Commissioners' Court has adopted a policy, which requires that vendors' taxes be current as of the date bids/proposals are due. Bidders with delinquent taxes on the due date will not be eligible for award. Whether or not a vendor's taxes are delinquent will be determined by an independent review of the Tax Office records. Vendors who believe a delinquency is reflected in error must contact the Tax Office to correct any errors or discrepancies prior to submitting their bid in order to ensure that their bid will be considered. Tax records are available online at the Tax Office website – www.co.jefferson.tx.us/taxoffice. Prior to submitting a bid, vendors are encouraged to visit the Tax Office website, set up a portfolio of their accounts and make their own determination of the status of their tax accounts. Furthermore, if, during the performance of this contract, a vendor's taxes become delinquent, Jefferson County reserves the right to provide notice to the Auditor or Treasurer pursuant to Texas Local Government Code §154.045. This policy is effective for all bids due on or after May 1, 2006.

Delivery

All delivery and freight charges are to be included in the bid price.

Contract

This bid, when properly accepted by Jefferson County Commissioners' Court, shall constitute a contract equally binding between the successful bidder and Jefferson County. No different or additional terms will become a part of this contract.

Scope of Work

Building to be Refurbished: County Health Clinic, 1295 Pearl Street, per Construction Documents included in the Project Manual.

Contractor will provide labor and materials required to complete refurbishment of the building interiors and exteriors along with construction of ramps and sidewalks refurbishments shown in Project Manual.

Offer to Contract

REFURBISHMENT OF JEFFERSON COUNTY HEALTH CLINIC

To Jefferson County:

We hereby offer and agree to furnish the materials or service in compliance with all terms, conditions, specifications, and amendments in the Invitation for Bid and any written exceptions in the offer. We understand that the items in this Invitation for Bid, including, but not limited to, all required certificates are fully incorporated herein as a material and necessary part of the contract.

The undersigned hereby states, under penalty of perjury, that all information provided is true, accurate, and complete, and states that he/she has the authority to submit this bid, which will result in a binding contract if accepted by Jefferson County.

We acknowledge receipt of the following amendment(s): _____, _____, _____, _____.

I certify, under penalty of perjury, that I have the legal authorization to bind the firm hereunder:

_____	For clarification of this offer, contact:			
Company Name	_____			
_____	Name			
Address	_____			
_____	Phone			
City	State	Zip	_____	Fax
_____	_____	_____	_____	_____
Signature of Person Authorized to Sign	E-mail			
_____	_____			
Printed Name				

Title				

Bidder Shall Return Completed Form with Offer.

Acceptance of Offer

REFURBISHMENT OF JEFFERSON COUNTY HEALTH CLINIC

The Contractor is now bound to sell the materials or services listed by the attached contract and based upon the Invitation for Bid, including all terms, conditions, specifications, amendments, etc., and the Contractor's Offer as accepted by Jefferson County.

This contract shall henceforth be referred to as Contract No. [insert contract number] Refurbishment of Jefferson County Health Clinic. The Contractor has not been authorized to commence any billable work or to provide any material or service under this contract until Contractor receives a purchase order and/or a notice to proceed from the Jefferson County Purchasing Agent.

Countersigned:

Jeff R. Branick
County Judge

Date

Carolyn L. Guidry
County Clerk

Bidder Shall Return Completed Form with Offer.

Bid Form

<i>Bid Description</i>	Lump Sum Bid
Refurbishment of Jefferson County Health Clinic	\$

Acknowledgment of Addenda (if any):

Addendum 1 _____ Date Received _____

Addendum 2 _____ Date Received _____

Addendum 3 _____ Date Received _____

Contract Execution Time: 120 Calander Days

Bidder Shall Return Completed Form with Offer.

Vendor References

Please list at least three (3) companies or governmental agencies (preferably a municipality) where the same or similar products and/or services as contained in this specification package were recently provided.

THIS FORM MUST BE RETURNED WITH YOUR BID.

REFERENCE ONE

Government/Company Name: _____

Address: _____

Contact Person and Title: _____

Phone: _____ Fax: _____

Contract Period: _____ Scope of Work: _____

REFERENCE TWO

Government/Company Name: _____

Address: _____

Contact Person and Title: _____

Phone: _____ Fax: _____

Contract Period: _____ Scope of Work: _____

REFERENCE THREE

Government/Company Name: _____

Address: _____

Contact Person and Title: _____

Phone: _____ Fax: _____

Contract Period: _____ Scope of Work: _____

Bidder Shall Return Completed Form with Offer.

Signature Page

As permitted under Article 4413 (32c) V.A.C.S., other governmental entities may wish to participate under the same terms and conditions contained in this contract (i.e., piggyback). In the event any other entity participates, all purchase orders will be issued directly from and shipped directly to the entity requiring supplies/services. Jefferson County shall not be held responsible for any orders placed, deliveries made or payment for supplies/services ordered by another entity. Each entity reserves the right to determine their participation in this contract.

Would bidder be willing to allow other governmental entities to piggyback off this contract, if awarded, under the same terms and conditions? **Yes** **No**

This bid shall remain in effect for ninety (90) days from bid opening and shall be exclusive of federal excise and state and local sales tax (exempt).

The undersigned agrees, if this bid is accepted, to furnish any and all items upon which prices are offered, at the price and upon the terms and conditions contained in the Invitation for Bid, Conditions of Bidding, Terms of Contract, and Specifications and all other items made a part of the accepted contract.

The undersigned affirms that they are duly authorized to execute the contract, that this company, corporation, firm, partnership or individual has not prepared this bid in collusion with any other bidder, and that the contents of this bid as to prices, terms or conditions of said bid have not been communicated by the undersigned nor by any employee or agent to any other bidder or to any other person(s) engaged in this type of business prior to the official opening of this bid. And further, that neither the bidder nor their employees nor agents have been for the past six (6) months directly nor indirectly concerned in any pool or agreement or combination to control the price of goods or services on, nor to influence any person to bid or not to bid thereon.

Bidder (Entity Name)	Signature
Street & Mailing Address	Print Name
City, State & Zip	Date Signed
Telephone Number	Fax Number
E-mail Address	

Bidder Shall Return Completed Form with Offer.

Conflict of Interest Questionnaire

For vendor or other person doing business with local government entity	
<p>This questionnaire is being filed in accordance with chapter 176 of the Local Government Code by a person doing business with the governmental entity.</p> <p>By law this questionnaire must be filed with the records administrator of the local government not later than the 7th business day after the date the person becomes aware of facts that require the statement to be filed. See Section 176.006 Local Government Code.</p> <p>A person commits an offense if the person violates Section 176.0006, Local Government Code. An offense under this section is a Class C misdemeanor.</p>	OFFICE USE ONLY
<p>1. Name of person doing business with local governmental entity.</p>	
<p>2. <input type="checkbox"/> Check this box if you are filing an update to a previously filed questionnaire.</p> <p style="margin-left: 40px;">(The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than September 1 of the year for which an activity described in Section 176.006(a), Local Government Code, is pending and not later than the 7th business day after the date the originally filed questionnaire becomes incomplete or inaccurate.)</p>	
<p>3. Describe each affiliation or business relationship with an employee or contractor of the local government entity who makes recommendations to a local government officer of the local governmental entity with respect to expenditure of money.</p>	
<p>4. Describe each affiliation or business relationship with a person who is a local government officer and who appoints or employs a local government officer of the local governmental entity that is the subject of this questionnaire.</p>	

Bidder Shall Return Completed Form with Offer.

CONFLICT OF INTEREST QUESTIONNAIRE

FORM CIQ

Page 2

For vendor or other person doing business with local government entity

5. Name of local government officer with whom filer has affiliation or business relationship. (Complete this section only if the answer to A, B, or C is YES.)

This section, item 5 including subparts A, B, C & D, must be completed for each officer with whom the filer has affiliation or business relationship. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer named in this section receiving or likely to receive taxable income from the filer of the questionnaire?

Yes No

B. Is the filer of the questionnaire receive or likely to receive taxable income from or at the direction of the local government officer named in this section AND the taxable income is not from the local government entity?

Yes No

C. Is the filer of the questionnaire affiliated with a corporation or other business entity that the local government officer serves as an officer or director, or holds an ownership of 10 percent or more?

Yes No

D. Describe each affiliation or business relationship:

6. Describe any other affiliation or business relationship that might cause a conflict of interest.

7.

Signature of person doing business with the governmental entity

Date

Bidder Shall Return Completed Form with Offer.

Good Faith Effort (GFE) Determination Checklist

This information must be submitted with your bid.

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded). Yes No

Instructions: In order to determine if a “Good Faith Effort” was made in soliciting HUBs for subcontracting opportunities, the following checklist and supporting documentation shall be completed by the Prime Contractor/Consultant, and returned with the Prime Contractor/Consultant’s bid. This list contains the **minimum** efforts that should be put forth by the Prime Contractor/Consultant when attempting to achieve or exceed the goals of HUB Subcontractor participation. The Prime Contractor/Consultant may extend his/her efforts in soliciting HUB Subcontractor participation beyond what is listed below.

Did the Prime Contractor/Consultant . . .

- | | | |
|------------------------------|-----------------------------|---|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 1. To the extent practical, and consistent with standard and prudent industry standards, divide the contract work into the smallest feasible portions, to allow for maximum HUB Subcontractor participation? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 2. Notify in writing a reasonable number of HUBs, allowing sufficient time for effective participation of the planned work to be subcontracted? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 3. Provide HUBs that were genuinely interested in bidding on a subcontractor, adequate information regarding the project (i.e., plans, specifications, scope of work, bonding and insurance requirements, and a point of contact within the Prime Contractor/Consultant’s organization)? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 4. Negotiate in good faith with interested HUBs, and not reject bids from HUBs that qualify as lowest and responsive bidders? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 5. Document reasons HUBs were rejected? Was a written rejection notice, including the reason for rejection, provided to the rejected HUBs? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 6. If Prime Contractor/Consultant has zero (0) HUB participation, please explain the reasons why. |

If “No” was selected, please explain and include any pertinent documentation with your bid. If necessary, please use a separate sheet to answer the above questions.

Printed Name of Authorized Representative

Signature

Title

Date

Bidder Shall Return Completed Form with Offer.

Notice of Intent (NOI) to Subcontract with Historically Underutilized Business (HUB)

This information must be submitted with your bid.

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded). Yes No

Instructions for Prime Contractor/Consultant: Bidder shall submit this form with the bid; however, the information below may be submitted after contract award, but prior to beginning performance on the contract. Please submit one form for each HUB Subcontractor/Subconsultant with proper signatures, per the terms and conditions of your contract.

Contractor Name: _____ HUB: Yes No

Address: _____
Street City State Zip

Phone (with area code): _____ Fax (with area code): _____

Project Title & No.: _____

Prime Contract Amount: \$ _____

HUB Subcontractor Name: _____

HUB Status (Gender & Ethnicity): _____

Certifying Agency: Tx. Bldg & Procurement Comm. Jefferson County Tx Unified Certification Prog.

Address: _____
Street City State Zip

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

Printed Name of Contractor Representative Signature of Representative Date

Printed Name of HUB Signature of Representative Date

NOTE: NOTHING ON THIS NOTICE OF INTENT FORM IS INTENDED TO CONFER ANY RIGHTS, EXPRESSED OR IMPLIED, TO ANY THIRD PARTIES.

Pre-Approval for Subcontractor Substitutions must be obtained from the Jefferson County Purchasing Agent's Representative. The "HUB Subcontractor/Subconsultant Change Form" must be completed and faxed to 409-835-8456.

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 1 OF 4

This information must be submitted with your bid.

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded). Yes No

Prime Contractor: _____ HUB: Yes No

HUB Status (Gender & Ethnicity): _____

Address: _____
Street City State Zip

Phone (with area code): _____ Fax (with area code): _____

Project Title & No.: _____ IFB/RFP No.: _____

Total Contract: \$ _____ Total HUB Subcontract(s): \$ _____

Construction HUB Goals: 12.8% MBE:: _____ % 12.6% WBE: _____ %

Sub-goals: 1.7 African-American, 9.7% Hispanic, 0.7% Native American, 0.8% Asian American.
Use these goals as a guide to diversify.

FOR HUB OFFICE USE ONLY:

Verification date HUB Program Office reviewed and verified HUB Sub information Date: _____ Initials: _____

PART I. HUB SUBCONTRACTOR DISCLOSURE

HUB Subcontractor Name: _____

HUB Status (Gender & Ethnicity): _____

Certifying Agency: Texas Bldg & Procurement Comm. Texas Unified Certification Prog.

Address: _____
Street City State Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 2 OF 4

HUB SUBCONTRACTOR DISCLOSURE

PART I: Continuation Sheet

(Duplicate as Needed)

HUB Subcontractor Name: _____

HUB Status (Gender & Ethnicity): _____

Certifying Agency: Tx. Bldg & Procurement Comm. Jefferson County Tx Unified Certification Prog.

Address: _____
Street City State Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

HUB Subcontractor Name: _____

HUB Status (Gender & Ethnicity): _____

Certifying Agency: Tx. Bldg & Procurement Comm. Jefferson County Tx Unified Certification Prog.

Address: _____
Street City State Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

All HUB Subcontractor Participation may be verified with the
HUB Subcontractor(s) listed on Part I.

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 3 OF 4

PART II: STATEMENT OF NON-COMPLIANCE FOR NOT MEETING HUB SUBCONTRACTING GOALS

Please complete Good Faith Effort (GFE) Checklist and attach any supporting documentation.

Our firm was unable to meet the HUB goals for this project for the following reasons:

- All subcontractors to be utilized are "Non-HUBs." (Complete Part III)
- HUBs were solicited but did not respond.
- HUBs solicited were not competitive.
- HUBs were unavailable for the following trade(s):
- Other: _____

Was the Jefferson County HUB Office contacted for assistance in locating HUBs? Yes No

PART III: DISCLOSURE OF OTHER "NON-HUB" SUBCONTRACTS

The bidder shall use this area to provide a listing of all "Non-HUB" Subcontractors, including suppliers, that will perform under this project. A list of those "Non-HUB" Subcontractors the bidder selects, after bid submission, shall be provided to the Purchasing Office not later than five (5) calendar days after being notified that bidder is the apparent low bidder. A list of those "Non-HUB" Subcontractors that are selected after contract award must be provided **immediately** after their selection.

Subcontractor Name: _____

Address: _____
Street City State Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

Subcontractor Name: _____

Address: _____
Street City State Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

Bidder Shall Return Completed Form with Offer.

Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 4 OF 4

Subcontractor Name: _____

Address: _____
Street City State Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

Subcontractor Name: _____

Address: _____
Street City State Zip

Contact person: _____ Title: _____

Phone (with area code): _____ Fax (with area code): _____

Proposed Subcontract Amount: \$ _____ Percentage of Prime Contract: _____ %

Description of Subcontract Work to be Performed: _____

I hereby certify that I have read the *HUB Program Instructions and Information*, truthfully completed all applicable parts of this form, and **attached any necessary support documentation as required**. I fully understand that intentionally falsifying information on this document may result in my not receiving a contract award or termination of any resulting contract.

Name (print or type): _____

Title: _____

Signature: _____

Date: _____

E-mail address: _____

Contact person that will be in charge of invoicing for this project:

Name (print or type): _____

Title: _____

Date: _____

E-mail address: _____

Bidder Shall Return Completed Form with Offer.

Residence Certification/Tax Form

Pursuant to Texas Government Code §2252.001 *et seq.*, as amended, Jefferson County requests Resident Certification. §2252.001 *et seq.* of the Government Code provides some restrictions on the awarding of governmental contracts; pertinent provisions of §2252.001 are stated below:

- (3) "Nonresident bidder" refers to a person who is not a resident.
- (4) "Resident bidder" refers to a person whose principal place of business is in this state, including a contractor whose ultimate parent company or majority owner has its principal place of business in this state.

I certify that _____ [company name] is a Resident Bidder of Texas as defined in Government Code §2252.001.

I certify that _____ [company name] is a Nonresident Bidder as defined in Government Code §2252.001 and our principal place of business is _____ (city and state).

Taxpayer Identification Number (T.I.N.):	
Company Name submitting bid/proposal:	
Mailing address:	
If you are an individual, list the names and addresses of any partnership of which you are a general partner:	

Property: List all taxable property owned by you or above partnerships in Jefferson County.

Jefferson County Tax Acct. No.*	Property address or location**

* This is the property amount identification number assigned by the Jefferson County Appraisal District.

** For real property, specify the property address or legal description. For business property, specify the address where the property is located. For example, office equipment will normally be at your office, but inventory may be stored as a warehouse or other location.

Bidder Shall Return Completed Form with Offer.

Bid Affidavit

The undersigned certifies that the bid prices contained in this bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all commodities upon which prices are extended at the price offered, and upon the conditions contained in the specifications and the Notice to Bidders.

STATE OF _____ COUNTY OF _____

BEFORE ME, the undersigned authority, a Notary Public in and for the State of _____,

on this day personally appeared _____, who
(name)

after being by me duly sworn, did depose and say:

"I, _____ am a duly authorized officer of/agent
(name)

for _____ and have been duly authorized to execute the
(name of firm)

foregoing on behalf of the said _____.
(name of firm)

I hereby certify that the foregoing bid has not been prepared in collusion with any other bidder or other person or persons engaged in the same line of business prior to the official opening of this bid. Further, I certify that the bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities bid on, or to influence any person or persons to bid or not to bid thereon."

Name and address of bidder: _____

Fax: _____ Telephone# _____

by: _____ Title: _____
(print name)

Signature: _____

SUBSCRIBED AND SWORN to before me by the above-named _____ on

this the _____ day of _____, 2012.

Notary Public in and for
the State of _____

Bidder Shall Return Completed Form with Offer.

Refurbishment of Jefferson County Health Clinic**SECTION 00003**
TABLE OF CONTENTS**DIVISION 1 - GENERAL REQUIREMENTS**

01010	Summary of the Work
01019	Contract Considerations
01039	Coordination and Meetings
01300	Submittals
01600	Material and Equipment
01700	Contract Closeout

DIVISION 2 - SITEWORK

02055	Soil Materials
02222	Minor Demolition for Remodeling
02316	Excavating
02750	Portland Cement Concrete Paving

DIVISION 3 - CONCRETE

03300	Cast-in-Place Concrete
-------	------------------------

DIVISION 6 - WOOD AND PLASTICS

06112	Framing and Sheathing
06200	Finish Carpentry

DIVISION 7 - THERMAL & MOISTURE PROTECTION

07900	Joint Sealers
-------	---------------

DIVISION 8 - DOORS AND WINDOWS

08112	Standard Steel Frames
08211	Flush Wood Doors
08341	Overhead Coiling Grilles
08410	Aluminum Entrances and Storefronts
08710	Door Hardware
08800	Glazing

Refurbishment of Jefferson County Health Clinic

DIVISION 9 - FINISHES

09215	Veneer Plaster
09260	Gypsum Board Systems
09511	Suspended Acoustical Ceilings
09650	Resilient Flooring
09688	Carpet - Glue Down
09900	Paint

DIVISION 10 - EQUIPMENT

10800	Toilet and Bath Accessories
-------	-----------------------------

END OF SECTION 00003

Refurbishment of Jefferson County Health Clinic**SECTION 01010**
SUMMARY OF WORK**PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Contractor use of site and premises.
- B. Future work.
- C. Work Sequence.
- D. Owner occupancy.

1.2 CONTRACTOR USE OF SITE AND PREMISES

- A. Limit use of site and premises to allow:
 - 1. Owner occupancy.
 - 2. Use of site and premises by public.
- B. Construction Operations: Limited to areas noted on Drawings with the exception of finishes which will be applied and/or changed throughout the existing offices noted to remain.

1.3 WORK SEQUENCE

- A. Construct Work in phases to accommodate Owner's occupancy requirements during the construction period, coordinate construction schedule and operations with Owner:
 - 1. Phase 1: Pharmacy and Pharmacy Waiting Room and related Storage Rooms.
 - 2. Phase 2: Exam Rooms and Public Toilets.
 - 3. Phase 3: Finishes such as paint, door hardware and flooring.

1.4 OWNER OCCUPANCY

- A. The Owner will occupy the premises during entire period of construction.
- B. Cooperate with Owner to minimize conflict, and to facilitate Owner's operations.
- C. Schedule the Work to accommodate this requirement.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

END OF SECTION 01010

Refurbishment of Jefferson County Health Clinic**SECTION 01019**
CONTRACT CONSIDERATIONS**PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Schedule of values.
- B. Application for payment.
- C. Change procedures.
- D. Measurement and payment - unit prices
- E. Alternates.

1.2 SCHEDULE OF VALUES

- A. Submit a printed schedule on AIA Form G703 - Application and Certificate for Payment Continuation Sheet. Contractor's standard form or electronic media printout will be considered.
- B. Submit Schedule of Values in duplicate within 15 days after date of Owner-Contractor Agreement.
- C. Format: Utilize the Table of Contents of this Project Manual. Identify each line item with number and title of the major specification Section. Identify site mobilization, bonds and insurance.
- D. Include in each line item, the amount of Allowances specified in this section. For unit cost Allowances, identify quantities taken from Contract Documents multiplied by the unit cost to achieve the total for the item.
- E. Include separately from each line item, a direct proportional amount of Contractor's overhead and profit.
- F. Revise schedule to list approved Change Orders, with each Application For Payment.

1.3 APPLICATIONS FOR PAYMENT

- A. Submit three copies of each application on AIA Form G702 - Application and Certificate for Payment and AIA G703 - Continuation Sheet. Contractor's electronic media driven form.
- B. Content and Format: Utilize Schedule of Values for listing items in Application for Payment.
- C. Payment Period: One Month.
- D. Waiver of Lien by General Contractor for amount included in Application and Partial Waiver of Lien by Subcontractors for previous Applications.
- E. Include additional forms required by Owner as agreed to during contract negotiations.

1.4 CHANGE PROCEDURES

- A. The Architect/Engineer will advise of minor changes in the Work not involving an adjustment to Contract Sum/Price or Contract Time as authorized by AIA A201.

Refurbishment of Jefferson County Health Clinic

- B. The Architect/Engineer may issue a Proposal Request which includes a detailed description of a proposed change with supplementary or revised Drawings and specifications, a change in Contract Time for executing the change and the period of time during which the requested price will be considered valid. Contractor will prepare and submit an estimate within ten (10) working days.
- C. The Contractor may propose changes by submitting a request for change to the Architect/Engineer, describing the proposed change and its full effect on the Work. Include a statement describing the reason for the change, and the effect on the Contract Sum/Price and Contract Time with full documentation. Document any requested substitutions in accordance with Section 01600.
- D. Stipulated Sum/Price Change Order: Based on Proposal Request and Contractor's fixed price quotation or Contractor's request for a Change Order as approved by Architect/Engineer.
- E. Unit Price Change Order: For pre-determined unit prices and quantities, the Change Order will be executed on a fixed unit price basis.
- F. Construction Change Directive: Architect/Engineer may issue a directive, on AIA Form G713 Construction Change Directive signed by the Owner, instructing the Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order. Document will describe changes in the Work, and designate method of determining any change in Contract Sum/Price or Contract Time. Promptly execute the change.
- G. Time and Material Change Order: Submit itemized account and supporting data after completion of change, within time limits indicated in the Conditions of the Contract. Architect/Engineer will determine the change allowable in Contract Sum/Price and Contract Time as provided in the Contract Documents.
- H. Maintain detailed records of work done on Time and Material basis. Provide full information required for evaluation of proposed changes, and to substantiate costs for changes in the Work.
- I. Change Order Forms: AIA G701 Change Order.
- J. Execution of Change Orders: Architect/Engineer will issue Change Orders for signatures of parties as provided in the Conditions of the Contract.

1.5 MEASUREMENT AND PAYMENT - UNIT PRICES

- A. Authority: Measurement methods are delineated in the individual specification sections.
- B. Take measurements and compute quantities. The [Architect/Engineer] will review measurements and quantities.
- C. Unit Quantities: Quantities and measurements indicated in the Bid Form are for contract purposes only. Quantities and measurements supplied or placed in the Work shall determine payment.
- D. Payment Includes: Full compensation for required labor, Products, tools, equipment, plant, transportation, services and incidentals; erection, application or installation of an item of the Work; overhead and profit.
- E. Defect Assessment: Replace the Work, or portions of the Work, not conforming to specified requirements. If, in the opinion of the Architect/Engineer, it is not practical to remove and replace the Work, the Owner will direct an appropriate remedy or adjust payment.

Refurbishment of Jefferson County Health Clinic

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

END OF SECTION 01019

Refurbishment of Jefferson County Health Clinic

SECTION 01039
COORDINATION AND MEETINGS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Coordination.
- B. Field Engineering.
- C. Alteration project procedures.
- D. Cutting and patching.
- E. Preconstruction conference.
- F. Site mobilization conference.
- G. Progress meetings.
- H. Preinstallation conferences.

1.2 COORDINATION

- A. Coordinate scheduling, submittals, and Work of the various Sections of specifications to assure efficient and orderly sequence of installation of interdependent construction elements , with provisions for accommodating items installed later.
- B. Verify that utility requirement characteristics of operating equipment are compatible with building utilities. Coordinate work of various Sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.
- C. Coordinate space requirements and installation of mechanical and electrical work which are indicated diagrammatically on Drawings. Follow routing shown for pipes, ducts, and conduit, as closely as practicable; place runs parallel with line of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance, and for repairs.
- D. In finished areas except as otherwise indicated, conceal pipes, ducts, and wiring within the construction. Coordinate locations of fixtures and outlets with finish elements.
- E. Coordinate completion and clean up of Work of separate Sections in preparation for Substantial Completion and for portions of Work designated for Owners partial occupancy.
- F. After Owner occupancy of premises, coordinate access to site for correction of defective Work and Work not in accordance with Contract Documents, to minimize disruption of Owner's activities.

1.3 FIELD ENGINEERING

- A. Employ a Land Surveyor registered in the State of Texas and acceptable to the Owner.
- B. Provide field engineering services. Establish elevations, lines, and levels, utilizing recognized engineering survey practices.
- C. Submit a copy of registered site drawing and certificate signed by the Land Surveyor that the elevations and locations of the Work are in conformance with the Contract Documents.

1.4 ALTERATION PROJECT PROCEDURES

- A. Materials: As specified in product Sections; match existing products and work for patching and extending work.
- B. Close openings in exterior surfaces to protect existing work from weather and extremes of temperature and humidity.

Refurbishment of Jefferson County Health Clinic

- C. Remove, cut, and patch work in a manner to minimize damage and to provide a means of restoring products and finishes to [original] [specified] condition.
- D. Refinish visible existing surfaces to remain in renovated rooms and spaces, to specified condition for each material, with a neat transition to adjacent finishes.
- E. Where new work abuts or aligns with existing, perform a smooth and even transition. Patched work to match existing adjacent work in texture and appearance.
- F. When finished surfaces are cut so that a smooth transition with new work is not possible, terminate existing surface along a straight line at a natural line of division and make recommendation to Architect.
- G. Where a change of plane of 1/4 inch or more occurs, submit recommendation for providing a smooth transition for Architect review.
- H. Patch or replace portions of existing surfaces which are damaged, lifted, discolored, or showing other imperfections.
- I. Finish surfaces as specified in individual product Sections.

1.5 CUTTING AND PATCHING

- A. Employ skilled and experienced installer to perform cutting and patching.
- B. Submit written request in advance of cutting or altering elements which affects:
 - 1. Structural integrity of element.
 - 2. Integrity of weather-exposed or moisture-resistant elements.
 - 3. Efficiency, maintenance, or safety of element.
 - 4. Visual qualities of sight-exposed elements.
 - 5. Work of Owner or separate contractor.
- C. Execute cutting, fitting, and patching, to complete Work, and to:
 - 1. Fit the several parts together, to integrate with other Work.
 - 2. Uncover Work to install or correct ill-timed Work.
 - 3. Remove and replace defective and non-conforming Work.
 - 4. Remove samples of installed Work for testing.
 - 5. Provide openings in elements of Work for penetrations of mechanical and electrical Work.
- D. Execute work by methods which will avoid damage to other Work, and provide proper surfaces to receive patching and finishing.
- E. Cut rigid materials using masonry saw or core drill.
- F. Restore Work with new products in accordance with requirements of Contract Documents.
- G. Fit Work tight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces.
- H. Maintain integrity of wall, ceiling, or floor construction; completely seal voids.
- I. Refinish surfaces to match adjacent finishes. For continuous surfaces, refinish to nearest intersection; for an assembly, refinish entire unit.
- J. Identify any hazardous substance or condition exposed during the Work to the Architect for decision or remedy.

1.6 PRECONSTRUCTION CONFERENCE

- A. Owner will schedule a conference after Notice of Award.
- B. Attendance Required: Owner, Architect/Engineer, and Contractor.
- C. Agenda:
 - 1. Execution of Owner-Contractor Agreement.
 - 2. Submission of executed bonds and insurance certificates.
 - 3. Distribution of Contract Documents.
 - 4. Submission of list of Subcontractors, list of products, Schedule of Values, and

Refurbishment of Jefferson County Health Clinic

progress schedule.

5. Designation of personnel representing the parties in Contract, and the Architect.
6. Procedures and processing of field decisions, submittals, substitutions, applications for payments, proposal request, Change Orders and Contract closeout procedures.
7. Construction Scheduling.
8. Scheduling activities of Owner Provided Consultants.

1.7 SITE MOBILIZATION CONFERENCE

- A. Owner will schedule a conference at the Project site prior to Contractor occupancy.
- B. Attendance Required: Owner, Architect/Engineer, Special Consultants, and Contractor's Project Manager, Contractor's Superintendent, and major Subcontractors.
- C. Agenda:
 1. Use of premises by Owner and Contractor.
 2. Owner's requirements and partial occupancy.
 3. Construction facilities and controls provided by Owner.
 4. Temporary utilities provided by Owner.
 5. Survey and building layout.
 6. Security and housekeeping procedures.
 7. Schedules.
 8. Procedures for testing.
 9. Procedures for maintaining record documents.
 10. Requirements for start-up of equipment.
 11. Inspection and acceptance of equipment put into service during construction period.

1.8 PROGRESS MEETINGS

- A. Schedule and administer meetings throughout progress of the Work at maximum semi-monthly intervals.
- B. Make arrangements for meetings, prepare agenda with copies for participants, preside at meetings, record minutes, and distribute copies within two working days to Architect, Owner, participants, and those affected by decisions made.
- C. Attendance Required: Job Superintendent, Major Subcontractors and Suppliers, Owner, Owner's Representative, Architect as appropriate to agenda topics for each meeting.
- D. Agenda:
 1. Review minutes of previous meetings.
 2. Review of Work progress.
 3. Field observations, problems, and decisions.
 4. Identification of problems which impede planned progress.
 5. Review of submittals schedule and status of submittals.
 6. Review of off-site fabrication and delivery schedules.
 7. Maintenance of progress schedule.
 8. Corrective measures to regain projected schedules.
 9. Planned progress during succeeding work period.
 10. Coordination of projected progress.
 11. Maintenance of quality and work standards.
 12. Effect of proposed changes on progress schedule and coordination.
 13. Other business relating to Work.

1.9 PREINSTALLATION CONFERENCES

Refurbishment of Jefferson County Health Clinic

- A. When required in individual specification Section, convene a preinstallation conference at work site prior to commencing work of the Section.
- B. Require attendance of parties directly affecting, or affected by, work of the specific Section.
- C. Notify Owner and Architect seven days in advance of meeting date.
- D. Prepare agenda, preside at conference, record minutes, and distribute copies within two working days after conference to participants, with two copies to Architect.
- E. Review conditions of installation, preparation and installation procedures, and coordination with related work.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

END OF SECTION 01039

Refurbishment of Jefferson County Health Clinic

SECTION 01300
SUBMITTALS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Submittal procedures.
- B. Construction progress schedules.
- C. Proposed products list.
- D. Shop drawings.
- E. Product data.
- F. Samples.
- G. Manufacturers' instructions.
- H. Manufacturers' certificates.
- I. Construction photographs.

1.2 RELATED SECTIONS

- A. Section 01019 - Contract Considerations: Schedule of Values.
- B. Section 01700 - Contract Closeout: Contract warranty and manufacturer's certificates and closeout submittals.

1.3 SUBMITTAL PROCEDURES

- A. Transmit each submittal with Owner accepted form.
- B. Contractor shall log all submittals, identifying Project, Contractor, Subcontractor or supplier; pertinent Drawing sheet and detail number(s), and specification Section number, as appropriate.
- C. Apply Contractor's stamp, signed or initialed certifying that review, verification of Products required, field dimensions, adjacent construction Work, and coordination of information, is in accordance with the requirements of the Work and Contract Documents.
- D. Schedule submittals to expedite the Project, and deliver all submittals to Owner for routing to consultants.
- E. Identify variations from Contract Documents and Product or system limitations which may be detrimental to successful performance of the completed Work.
- F. Provide space for Contractor and Architect/Engineer review stamps.
- G. Revise and resubmit submittals as required, identify all changes made since previous submittal.
- H. Distribute copies of reviewed submittals to concerned parties. Instruct parties to promptly report any inability to comply with provisions.

1.4 CONSTRUCTION PROGRESS SCHEDULES

- A. Submit initial progress schedule in duplicate within 15 days after date established in Notice to Proceed for Architect review.
- B. Revise and resubmit as required.
- C. Submit revised schedules with each Application for Payment, identifying changes since previous version.

Refurbishment of Jefferson County Health Clinic

- D. Submit a horizontal bar chart with separate line for each major section of Work or operation identifying first work day of each week.
- E. Show complete sequence of construction by activity, identifying Work of separate stages and other logically grouped activities. Indicate the early and late start, early and late finish, float dates, and duration.
- F. Indicate estimated percentage of completion for each item of Work at each submission.
- G. Indicate submittal dates required for shop drawings, product data, samples, and product delivery dates, including those furnished by Owner and under Allowances.

1.5 PROPOSED PRODUCTS LIST

- A. Within 15 days after date of Notice to Proceed, submit complete list of major products proposed for use, with name of manufacturer, trade name, and model number of each product.
- B. For products specified only by reference standards, give manufacturer, trade name, model or catalog designation, and reference standards.

1.6 SHOP DRAWINGS

- A. Submit in the form of one reproducible transparency and 4 opaque reproduction.
- B. After review, reproduce and distribute in accordance with Article on Submittal Procedures above and for Record Documents described in Section 01700 - Contract Closeout.

1.7 PRODUCT DATA

- A. Submit the number of copies which the Contractor requires, plus two copies which will be retained by the Owner after submittal review.
- B. Mark each copy to identify applicable products, models, options, and other data. Supplement manufacturers' standard data to provide information unique to this Project.
- C. After review, distribute in accordance with Article on Procedures above and provide copies for Record Documents described in Section 01700 - Contract Closeout.

1.8 SAMPLES

- A. Submit samples to illustrate functional and aesthetic characteristics of the Product, with integral parts and attachment devices. Coordinate sample submittals for interfacing work.
- B. Submit samples of finishes from the full range of manufacturers' standard colors or in custom colors selected as indicated in the individual sections, textures, and patterns for Architect selection.
- C. Include identification on each sample, with full Project information.
- D. Submit the number of samples specified in individual specification Sections; one of which will be retained by Architect.
- E. Reviewed samples which may be used in the Work are indicated in individual specification Sections.

1.9 MANUFACTURER'S INSTRUCTIONS

- A. When specified in individual specification Sections, submit manufacturers' printed instructions for delivery, storage, assembly, installation, start-up, adjusting, and finishing, in quantities specified for Product Data.
- B. Identify conflicts between manufacturers' instructions and Contract Documents.

Refurbishment of Jefferson County Health Clinic

1.10 MANUFACTURER'S CERTIFICATES

- A. When specified in individual specification Sections, submit manufacturers' certificate to Architect for review, in quantities specified for Product Data.
- B. Indicate material or product conforms to or exceeds specified requirements. Submit supporting reference date, affidavits, and certifications as appropriate.
- C. Certificates may be recent or previous test results on material or Product, but must be acceptable to Architect.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not used

END OF SECTION 01300

Refurbishment of Jefferson County Health Clinic

SECTION 01500
CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Temporary Utilities: sanitary facilities.
- B. Temporary Controls: Barriers, and protection of the Work.
- C. Construction Facilities: Parking, progress cleaning, and temporary storage buildings.

1.2 RELATED SECTIONS

- A. Section 01700 - Contract Closeout: Final cleaning.

1.3 TEMPORARY ELECTRICITY

- A. Connect to existing power service. Power consumption shall not disrupt Owner's need for continuous service.
- B. Owner will pay cost of energy used. Exercise measures to conserve energy.
- C. Provide power outlets for construction operations, with branch wiring and distribution boxes located in each work area as appropriate for conditions and work flow. Provide flexible power cords as required.
- D. Permanent convenience receptacles may be utilized during construction. All permanent convenience receptacles damaged during construction shall be replaced.

1.4 TEMPORARY LIGHTING

- A. Provide and maintain incandescent lighting for construction operations to achieve a minimum lighting level required for individual construction operation.
- B. Maintain lighting and provide routine repairs.
- C. Permanent building lighting may be utilized during construction.

1.5 TEMPORARY HEAT

- A. Utilize Owner's existing heat plant, extend and supplement with temporary heat devices as required to maintain specified conditions for construction operations.
- B. Owner will pay cost of energy used. Exercise measures to conserve energy.
- C. Prior to operation of permanent equipment for temporary heating purposes, verify that installation is approved for operation, equipment is lubricated and filters are in place. Provide and pay for operation, maintenance, and regular replacement of filters and worn or consumed parts.
- D. Maintain minimum ambient temperature of 50 degrees F in areas where construction is in progress, unless indicated otherwise in specifications.

1.6 TEMPORARY VENTILATION

- A. Ventilate enclosed areas to assist cure of materials, to dissipate humidity, and to prevent accumulation of dust, fumes, vapors, or gases.
- B. Provide temporary fan units as required to maintain clean air for construction operations.

Refurbishment of Jefferson County Health Clinic**1.7 TELEPHONE SERVICE**

- A. Provide, maintain and pay for telephone service to field office at time of project mobilization.

1.8 TEMPORARY WATER SERVICE

- A. Owner will pay cost of water used. Exercise measures to conserve water.
- B. Extend branch piping with outlets located so water is available by hoses with threaded connections. Provide temporary pipe insulation to prevent freezing.

1.9 TEMPORARY SANITARY FACILITIES

- A. Provide and maintain required facilities and enclosures. Existing facilities shall not be used.

1.10 BARRIERS

- A. Provide barriers to prevent unauthorized entry to construction areas to allow for Owner's use of site, and to protect existing facilities and adjacent properties from damage from construction operations and demolition.
- B. Provide barricades and covered walkways required by governing authorities for public rights-of-way and for public access to existing building.
- C. Provide protection for plant life designated to remain. Replace damaged plant life.
- D. Protect non-owned vehicular traffic, stored materials, site and structures from damage.

1.11 FENCING

- A. Construction: Contractor's option.
- B. Provide 6 foot high fence around construction site; equip with vehicular and pedestrian gates with locks.

1.12 WATER CONTROL

- A. Grade site to drain. Maintain excavations free of water. Provide, operate, and maintain pumping equipment.
- B. Protect site from puddling or running water. Provide silt fencing and water barriers as required by authorities having jurisdiction to protect site from soil erosion.

1.13 EXTERIOR ENCLOSURES

- A. Provide temporary insulated weather-tight closure of exterior openings to accommodate acceptable working conditions and protection for Products, to allow for temporary heating and maintenance of required ambient temperatures identified in individual specification Sections, and to prevent entry of unauthorized persons. Provide access doors with self-closing hardware and locks.
- B. Provide temporary roofing as required for acceptable working conditions and protection for Products.

Refurbishment of Jefferson County Health Clinic**1.14 INTERIOR ENCLOSURES**

- A. Provide temporary partitions and ceilings as required to separate work areas from Owner occupied areas, to prevent penetration of dust and moisture into Owner occupied areas, and to prevent damage to existing materials and equipment.
- B. Construction: Framing and [reinforced polyethylene] [plywood] [gypsum board] sheet materials with closed joints and sealed edges at intersections with existing surfaces; insulated to R 13 rating for enclosures protected heated areas, with STC rating of 35 in accordance with ASTM E90, maximum Flame Spread Rating of 75 in accordance with ASTM E84.
- C. Paint surfaces exposed to view from Owner occupied areas.

1.15 PROTECTION OF INSTALLED WORK

- A. Protect installed Work and provide special protection where specified in individual specification Sections.
- B. Provide temporary and removable protection for installed Products. Control activity in immediate work area to minimize damage.
- C. Provide protective coverings at walls, projections, jambs, sills, and soffits of openings.
- D. Protect finished floors, stairs, and other surfaces from traffic, dirt, wear, damage, or movement of heavy objects, by protecting with durable sheet materials.
- E. Prohibit traffic or storage upon waterproofed or roofed surfaces. If traffic or activity is necessary, obtain recommendations for protection from waterproofing or roofing material manufacturer.
- F. Prohibit traffic from landscaped areas.

1.16 SECURITY

- A. Provide security and facilities to protect Work, and existing facilities affected by construction, and Owner's operations from unauthorized entry, vandalism, or theft.
- B. Coordinate with Owner's security program.

1.17 PARKING

- A. Coordinate with County to arrange for paved surface parking areas to accommodate construction personnel.
- B. When site space is not adequate, provide additional off- site parking.
- C. Do not allow vehicle parking on existing city street ROW pavement.

1.18 PROGRESS CLEANING

- A. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.
- B. Remove debris and rubbish from pipe chases, plenums, attics, crawl spaces, and other closed or remote spaces, prior to enclosing the space.
- C. Broom and vacuum clean interior areas prior to start of surface finishing, and continue cleaning to eliminate dust.
- D. Remove waste materials, debris, and rubbish from site weekly and dispose off-site.

Refurbishment of Jefferson County Health Clinic
1.19 PROJECT IDENTIFICATION

- A. Provide 6 w x 4 h foot project sign of exterior grade plywood and wood frame construction, painted, with exhibit lettering by professional sign painter.
- B. List title of project, names of Owner, Engineer, Contractor, and major Subcontractors.
- C. Erect on site at location indicated established by Architect/Engineer.
- D. No other signs are allowed without Owner permission except those required by law.

1.20 FIELD OFFICES AND SHEDS

- A. Office: Lockable entrance, operable windows, weather-tight, with lighting, electrical outlets, heating, cooling and ventilating equipment, and equipped with sturdy furniture, drawing rack and drawing display table.

1.21 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS

- A. Remove temporary above grade or buried utilities, equipment, facilities, materials, prior to Final Application for Payment inspection.
- B. Remove underground installations to a minimum depth of 2 feet. Grade site as indicated.
- C. Clean and repair damage caused by installation or use of temporary work.
- D. Restore existing facilities used during construction to original condition. Restore permanent facilities used during construction to specified condition.

1.23 SECURITY AND PROTECTION

- A. General: Provide facilities and services as necessary to effectively protect project from losses and persons from injury during the course of construction.
- B. Fire Protection: In addition to temporary water service for construction, and the placing of permanent fire protection facilities in operating condition at earliest feasible date, provide fire extinguishers of types and sizes recommended by NFPA and required by governing bodies. Provide Type A extinguishers in Field Offices and for similar exposures; Type ABC in construction areas. Locate extinguishers on each story of construction, near each entrance and stairway. Prohibit smoking except in marked, non-hazardous areas.
- C. Barricades: Provide barricades at hazardous locations complete with signs, general lighting, warning lights and similar devices where appropriate or required by regulations.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

END OF SECTION 01500

Refurbishment of Jefferson County Health Clinic**SECTION 01600**
MATERIAL AND EQUIPMENT**PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Products.
- B. Transportation and handling.
- C. Storage and protection.
- D. Product options.
- E. Substitutions.

1.2 RELATED SECTIONS

- A. Instructions to Bidders: Product options and substitution procedures.
- B. Section 01400 - Quality Control: Product quality monitoring.

1.3 PRODUCTS

- A. Products is defined as new materials, machinery, components, fixtures, and systems forming the Work. Products do not include machinery and equipment used in preparation, fabrication, conveying and erection of the Work. Products may also include existing materials and/or components required for reuse or reinstallation.
- B. Do not use materials and equipment removed from existing premises, except as specifically permitted by the Contract Documents.
- C. Provide interchangeable components of the same manufacture, for components being replaced.

1.4 TRANSPORTATION AND HANDLING

- A. Transport and handle Products in accordance with manufacturer's instructions.
- B. Promptly inspect shipments to ensure that Products comply with requirements, quantities are correct, and Products are undamaged.
- C. Provide equipment and personnel to handle Products by methods to prevent soiling, disfigurement, or damage.

1.5 STORAGE AND PROTECTION

- A. Store and protect Products in accordance with manufacturers' instructions, with seals and labels intact and legible.

1.6 PRODUCT OPTIONS

- A. Products Specified by Reference Standards or by Description Only: Any Product meeting those standards or description.
- B. Products Specified by Naming One or More Manufacturers: Products of manufacturers named and meeting specifications, no options or substitutions allowed.
- C. Products Specified by Naming One or More Manufacturers with a Provision for Substitutions: Submit a request for substitution for any manufacturer not named in accordance with the

Refurbishment of Jefferson County Health Clinic

following article.

1.7 SUBSTITUTIONS

- A. Owner will consider requests for Substitutions only within 15 days after notification date established as the Notice to Proceed.
- B. Substitutions may be considered when a Product becomes unavailable through no fault of the Contractor.
- C. Document each request with complete data substantiating compliance of proposed Substitution with Contract Documents.
- D. A request for substitution constitutes a representation that the General Contractor:
 - 1. Has investigated proposed Product and determined that it meets or exceeds the quality level of the specified Product.
 - 2. Will provide the same warranty for the Substitution as for the specified Product.
 - 3. Will coordinate installation and make changes to other Work which may be required for the Work to be complete with no additional cost to Owner.
 - 4. Waives claims for additional costs or time extension which may subsequently become apparent.
 - 5. Will reimburse Owner and Architect/Engineer for all review or redesign services associated with substitution.
- E. Substitutions will not be considered when they are indicated or implied on shop drawing or product data submittals, without separate written request, or when acceptance will require revision to the Contract Documents.
- F. Substitution Submittal Procedure:
 - 1. Submit three copies of Request for Substitution for consideration. Limit each request to one proposed Substitution.
 - 2. Submit shop drawings, product data, and certified test results attesting to the proposed Product equivalence. Burden of proof is on proposer.
 - 3. The Architect/Engineer will notify Contractor in writing of decision to accept or reject request.
- G. Acceptance of substituted materials by the Owner and Architect/Engineer constitutes a representation that:
 - 1. Accepted substitutions requested by the General Contractor remain his responsibility and he alone shall be responsible for the correct function, operation, performance and accomidation of other listed articles, materials equipment.
 - 2. The General Contractor shall bear all costs associated and in conjunction with any and all changes arising out of the use of substituted materials and/or equipment.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

END OF SECTION 01600

Refurbishment of Jefferson County Health Clinic

SECTION 01700
CONTRACT CLOSEOUT

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Closeout procedures.
- B. Final cleaning.
- C. Adjusting.
- D. Project record documents.
- E. Operation and maintenance data.
- F. Warranties.
- G. Spare parts and maintenance materials.

1.2 RELATED SECTIONS

- A. Section 01500 - Construction Facilities and Temporary Controls: Progress cleaning.

1.3 CLOSEOUT PROCEDURES

- A. Submit written certification that Contract Documents have been reviewed, Work has been inspected, and that Work is complete in accordance with Contract Documents and ready for Architect/Engineer's inspection.
- B. Provide submittals to Architect that are required by governing or other authorities.
- C. Submit final Application for Payment identifying total adjusted Contract Sum, previous payments, and sum remaining due.
- D. Owner will occupy building as specified in Section 01010.

1.4 FINAL CLEANING

- A. Execute final cleaning prior to final inspection.
- B. Clean interior and exterior glass and surfaces exposed to view; remove temporary labels, stains and foreign substances, polish transparent and glossy surfaces, vacuum carpeted and soft surfaces.
- C. Clean equipment and fixtures to a sanitary condition.
- D. Replace filters of operating equipment.
- E. Clean debris from roofs, gutters, downspouts, and drainage systems.
- F. Clean site; sweep paved areas, rake clean landscaped surfaces.
- G. Remove waste and surplus materials, rubbish, and construction facilities from the site.

1.5 ADJUSTING

- A. Adjust operating Products and equipment to ensure smooth and unhindered operation.

1.6 PROJECT RECORD DOCUMENTS

- A. Maintain on site, one set of the following record documents; record actual revisions to the Work:
 - 1. Contract Drawings.

Refurbishment of Jefferson County Health Clinic

2. Specifications.
3. Addenda.
4. Change Orders and other Modifications to the Contract.
5. Reviewed shop drawings, product data, and samples.
- B. Store Record Documents separate from documents used for construction.
- C. Record information concurrent with construction progress.
- D. Specifications: Legibly mark and record at each Product section description of actual Products installed, including the following:
 1. Manufacturer's name and product model and number.
 2. Product substitutions or alternates utilized.
 3. Changes made by Addenda and Modifications.
- E. Record Documents and Shop Drawings: Legibly mark each item to record actual construction including:
 1. Measured depths of foundations in relation to finish [first] [main] floor datum.
 2. Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
 3. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the Work.
 4. Field changes of dimension and detail.
 5. Details not on original Contract Drawings.
- F. Delete Architect title block and seal from all documents.
- G. Submit documents to Architect with claim for final Application for Payment.

1.7 OPERATION AND MAINTENANCE DATA

- A. Submit two sets prior to final inspection, bound in 8-1/2 x 11 inch text pages, three D side ring binders with durable plastic covers.
- B. Prepare binder covers with printed title "OPERATION AND MAINTENANCE INSTRUCTIONS", title of project, date of substantial completion, and subject matter of binder when multiple binders are required.
- C. Internally subdivide the binder contents with permanent page dividers, logically organized as described below; with tab titling clearly printed under reinforced laminated plastic tabs.
- D. Contents: Prepare a Table of Contents for each volume, with each Product or system description identified, type on 30 pound white paper.
- E. Part 1: Directory, listing names, addresses, and telephone numbers of Architect, Contractor, Subcontractors, and major equipment suppliers.
- F. Part 2: Operation and maintenance instructions, arranged by system and subdivided by specification section. For each category, identify names, addresses, and telephone numbers of Subcontractors and suppliers. Identify the following:
 1. Significant design criteria.
 2. List of equipment.
 3. Parts list for each component.
 4. Operating instructions.
 5. Maintenance instructions for equipment and systems.
 6. Maintenance instructions for [special] finishes, including recommended cleaning methods and materials and special precautions identifying detrimental agents.
- G. Part 3: Project documents and certificates, including the following:
 1. Shop drawings and product data.
 2. Air and water balance reports.
 3. Certificates.
 4. Photocopies of warranties and bonds.

Refurbishment of Jefferson County Health Clinic

- H. Submit one copy of completed volumes in final form 15 days prior to final inspection. This copy will be returned after final inspection, with Architect's comments. Revise content of documents as required prior to final submittal.
- I. Submit final volumes revised, within ten days after receipt of Architect's comments.

1.8 WARRANTIES

- A. Provide duplicate notarized copies.
- B. Execute and assemble documents from Subcontractors, suppliers, and manufacturers.
- C. Provide Table of Contents and assemble in three D side ring binder with durable plastic cover.
- D. Submit prior to final Application for Payment.
- E. For items of Work delayed beyond date of Substantial Completion, provide updated submittal within ten days after acceptance, listing date of acceptance as start of warranty period.

1.9 SPARE PARTS AND MAINTENANCE MATERIALS

- A. Provide products, spare parts, maintenance and extra materials in quantities specified in individual specification Sections.
- B. Deliver to Project site and place in location as directed; obtain receipt prior to final payment.

PART 2 PRODUCTS

Not used

PART 3 EXECUTION

Not used

END OF SECTION 01700

Refurbishment of Jefferson County Health Clinic

**SECTION 02055
SOIL MATERIALS**

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Subsoil and topsoil materials.

1.2 RELATED SECTIONS

- A. Section 02223 - Backfilling.

1.3 REFERENCES

- A. AASHTO T180 - Moisture-Density Relations of Soils Using a 10-lb (4.54 kg) Rammer and an 18-in. (457 mm) Drop.
- B. ANSI/ASTM D698 - Test Methods for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures, Using 5.5 lb (2.49 Kg) Rammer and 12 inch (304.8 mm) Drop.
- C. ANSI/ASTM D1556 - Test Method for Density of Soil in Place by the Sand-Cone Method.
- D. ANSI/ASTM D1557 - Test Methods for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10 lb (4.54 Kg) Rammer and 18 inch (457 mm) Drop.
- E. ASTM D2167 - Test Method for Density and Unit Weight of Soil in Place by the Rubber Balloon Method.
- F. ASTM D2487 - Classification of Soils for Engineering Purposes.
- G. ASTM D2922 - Test Methods for Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth).
- H. ASTM D3017 - Test Methods for Moisture Content of Soil and Soil-Aggregate Mixtures.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Samples: Submit, in air-tight containers, 10 lb. sample of each type of fill to testing laboratory.
- C. Materials Source: Submit name of imported materials suppliers. Provide materials from same source throughout the work. Change of source requires Architect/Engineer approval.

PART 2 PRODUCTS

2.1 SOIL MATERIALS

- A. Subsoil Type S1: Conforming to State of Texas Highways Department standard.
- B. Topsoil Type S3: Conforming to State of Texas Highways Department standard.

2.2 SOURCE QUALITY CONTROL

- A. Tests and analysis of soil material will be performed in accordance with ANSI/ASTM D698.
- B. If tests indicate materials do not meet specified requirements, change material and retest at no cost to Owner.

Refurbishment of Jefferson County Health Clinic

PART 3 EXECUTION

3.1 STOCKPILING

- A. Stockpile materials on site.
- B. Stockpile in sufficient quantities to meet project schedule and requirements.
- C. Separate differing materials with dividers or stockpile apart to prevent mixing.
- D. Direct surface water away from stockpile site to prevent erosion or deterioration of materials.

3.2 STOCKPILE CLEANUP

- A. Remove stockpile, leave area in a clean and neat condition. Grade site surface to prevent free standing surface water.
- B. If a borrow area is indicated, leave area in a clean and neat condition. Grade site surface to prevent free standing surface water.

END OF SECTION 02055

Refurbishment of Jefferson County Health Clinic

SECTION 02222
MINOR DEMOLITION FOR REMODELING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Removal of designated building equipment and fixtures.
- B. Removal of designated construction.
- C. Disposal of materials.
- D. Storage of removed materials.
- E. Identification of utilities.
- F. Refer to items scheduled at end of section.
- G. Refer to items as indicated.

1.2 RELATED SECTIONS

- A. Section 01010 - Summary of Work: Work sequence.
- B. Section 01500 - Construction Facilities and Temporary Controls: Temporary enclosures, dust control barricades, security at Owner occupied areas, and cleanup during construction.
- C. Section 01700 - Contract Closeout: Project record documents.

1.3 SUBMITTALS FOR REVIEW

- A. Section 01300 - Submittals: Procedures for submittals.
- B. Shop Drawings: Indicate demolition and removal sequence and location of salvageable items; location and construction of temporary work.

1.4 SUBMITTALS FOR CLOSEOUT

- A. Section 01700 - Contract Closeout: Procedures for submittals.
- B. Project Record Documents: Accurately record actual locations of capped utilities and, subsurface obstructions.

1.5 REGULATORY REQUIREMENTS

- A. Conform to applicable code for demolition work, dust control, products requiring electrical disconnection and re-connection.
- B. Obtain required permits from authorities.
- C. Do not close or obstruct egress width to any building or site exit.
- D. Do not disable or disrupt building fire or life safety systems without 3 days prior written notice to Owner.
- E. Conform to procedures applicable when hazardous or contaminated materials are discovered.

1.6 SEQUENCING

- A. Section 01010 - Summary of Work: Work sequence.

Refurbishment of Jefferson County Health Clinic

1.7 SCHEDULING

- A. Section 01300 - Submittals: Work schedule.
- B. Schedule Work to coincide with new construction.
- C. Describe demolition removal procedures and schedule.
- D. Perform noisy, malodorous, and/or dusty work:
 - 1. Between the hours of 7:00 AM and 5:00 PM.
 - 2. On the following days: Monday through Friday.

1.8 PROJECT CONDITIONS

- A. Conduct demolition to minimize interference with adjacent and occupied building areas.
- B. Cease operations immediately if structure appears to be in danger and notify Architect/Engineer. Do not resume operations until directed.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

3.1 PREPARATION

- A. Provide, erect, and maintain temporary barriers at locations required.
- B. Erect and maintain weatherproof closures for exterior openings.
- C. Erect and maintain temporary partitions to prevent spread of dust, odors, and noise to permit continued Owner occupancy.
- D. Protect existing materials which are not to be demolished.
- E. Prevent movement of structure; provide bracing and shoring.
- F. Notify affected utility companies before starting work and comply with their requirements.
- G. Mark location and termination of utilities.
- H. Provide appropriate temporary signage including signage for exit or building egress.

3.2 DEMOLITION

- A. Disconnect, cap, and identify designated utilities within demolition areas.
- B. Demolish in an orderly and careful manner. Protect existing supporting structural members existing equipment to remain.
- C. Remove demolished materials from site except where specifically noted otherwise. Do not burn or bury materials on site.
- D. Remove materials as Work progresses. Upon completion of Work, leave areas in clean condition.
- E. Remove temporary Work.

END OF SECTION 02222

Refurbishment of Jefferson County Health Clinic**SECTION 02316**
EXCAVATING**PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Excavating for slabs-on-grade, and paving.
- B. Excavating for site structures.

1.2 FIELD MEASUREMENTS

- A. Verify that survey bench mark and intended elevations for the Work are as indicated.

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

3.1 PREPARATION

- A. Identify required lines, levels, contours, and datum.
- B. Locate, identify, and] protect utilities that remain, from damage.
- C. Notify utility company to locate, remove and relocate utilities as required.
- D. Protect bench marks, existing structures, fences, sidewalks, paving, and curbs from excavation equipment and vehicular traffic.

3.2 EXCAVATION

- A. Underpin adjacent structures which may be damaged by excavation work.
- B. Excavate subsoil required to accommodate slabs-on-grade, paving and site structures, and construction operations.
- C. Grade top perimeter of excavation to prevent surface water from draining into excavation.
- D. Hand trim excavation. Remove loose matter.
- E. Remove lumped subsoil, boulders, and rock up to 1/3 cu yd measured by volume. Larger material will be removed under Section 02202.
- F. Notify Owner of unexpected subsurface conditions and discontinue affected Work in area until notified to resume work.
- G. Correct areas over-excavated.
- H. Stockpile excavated material in area designated on site and remove excess material not being reused, from site.

Refurbishment of Jefferson County Health Clinic

3.3 FIELD QUALITY CONTROL

- A. Provide for visual inspection of bearing surfaces.

3.4 PROTECTION

- A. Protect excavations by methods required to prevent cave-in or loose soil from falling into excavation.
- B. Protect bottom of excavations and soil adjacent to and beneath foundation, from freezing.

END OF SECTION 02316

Refurbishment of Jefferson County Health Clinic

**SECTION 02318
BACKFILLING**

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Fill under slabs-on-grade.
- B. Fill under walkway paving.

1.2 RELATED SECTIONS

- A. Section 02205 - Soil Materials.

PART 2 PRODUCTS

2.1 FILL MATERIALS

- A. Fill Type: As specified in Section 02205.
- B. Structural Fill Type: As specified in Section 02205.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify subdrainage, dampproofing or waterproofing installation has been inspected.

3.2 PREPARATION

- A. Compact subgrade to density requirements for subsequent backfill materials.
- B. Cut out soft areas of subgrade not capable of in situ compaction.

3.3 BACKFILLING

- A. Backfill areas to contours and elevations with unfrozen materials.
- B. Systematically backfill to allow maximum time for natural settlement. Do not backfill over porous, wet, frozen or spongy subgrade surfaces.

END OF SECTION 02318

Refurbishment of Jefferson County Health Clinic

SECTION 02750
PORTLAND CEMENT CONCRETE PAVING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Concrete sidewalks, stair steps, integral curbs, gutters, median barriers, parking areas, and roads.
- B. Aggregate base course.

1.2 RELATED SECTIONS

- A. Section 02211 - Rough Grading: Preparation of site for paving and base.
- B. Section 02223 - Backfilling: Compacted subbase for paving.
- C. Section 07900 - Sealants: Sealant for joints.
- D. Section 09900 - Painting: Pavement markings.

1.3 REFERENCES

- A. ACI 301 - Specifications for Structural Concrete for Buildings.
- B. ACI 304 - Recommended Practice for Measuring, Mixing, Transporting and Placing Concrete.
- C. ASTM A185 - Welded Steel Wire Fabric for Concrete Reinforcement.
- D. ASTM A497 - Welded Deformed Steel Wire Fabric for Concrete Reinforcement.
- E. ASTM A615 - Deformed and Plain Billet-Steel for Concrete Reinforcement.
- F. ASTM C33 - Concrete Aggregates.
- G. ASTM C94 - Ready Mix Concrete.
- H. ASTM C150 - Portland Cement
- I. ASTM C260 - Air-Entraining Admixtures for Concrete.
- J. ASTM C309 - Liquid Membrane-Forming Compounds for Curing Concrete.
- K. ASTM C494 - Chemical Admixtures for Concrete.
- L. ASTM D1751 - Preformed Expansion Joint Fillers for Concrete Paving and Structural Construction.
- M. ASTM D1752 - Preformed Sponge Rubber and Cork Expansion Joint Fillers for Concrete Paving and Structural Construction.

1.4 SUBMITTALS FOR REVIEW

- A. Section 01300 - Submittals: Procedures for submittals.
- B. Product Data: Provide data on [joint filler] [admixtures] [curing compounds].

1.5 QUALITY ASSURANCE

- A. Perform work in accordance with ACI 301.
- B. Obtain cementitious materials from same source throughout.

Refurbishment of Jefferson County Health Clinic

1.6 REGULATORY REQUIREMENTS

- A. Conform to applicable City and/or State Highway Department standards for paving work on public property.

1.7 ENVIRONMENTAL REQUIREMENTS

- A. Do not place concrete when base surface temperature is less than 40 degrees F, or surface is wet or frozen.

PART 2 PRODUCTS

2.1 FORM MATERIALS

- A. Form Materials: Conform to ACI 301.

2.2 REINFORCEMENT

- A. Reinforcing Steel: ASTM A615; 40 ksi yield grade; deformed billet steel bars; unfinished.
- B. Welded Steel Wire Fabric: Plain type, ASTM A185; in flat sheets; unfinished.
- C. Dowels: ASTM A615; 40 ksi yield grade, plain steel, unfinished.

2.3 CONCRETE MATERIALS

- A. Concrete Materials: As specified in Section 03300 and in accordance with State of Texas Highways Department standards.
- B. Fine and Coarse Mix Aggregates: ASTM C33.
- C. Water: Potable, not detrimental to concrete.

2.4 ACCESSORIES

- A. Curing Compound: ASTM C309, Type 1, Class A.
- B. Joint Sealers: Specified in Section 07900.

2.5 CONCRETE MIX - BY PERFORMANCE CRITERIA

- A. Provide concrete to the following criteria:
 - 1. Compressive Strength: 3500 psi @ 28 days.
- B. Use accelerating admixtures in cold weather only when approved by Engineer. Use of admixtures will not relax cold weather placement requirements.
- C. Use calcium chloride only when approved by Engineer.
- D. Use set retarding admixtures during hot weather only when approved by Engineer.

2.6 SOURCE QUALITY CONTROL AND TESTS

- A. Test samples in accordance with ACI 301.

Refurbishment of Jefferson County Health Clinic

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify base conditions under provisions of Section 01039.
- B. Verify compacted subgrade is acceptable and ready to support paving and imposed loads.
- C. Verify gradients and elevations of base are correct.

3.2 SUBBASE

- A. Prepare subbase in accordance with State of Texas Highways Departments standards.

3.3 PREPARATION

- A. Moisten base to minimize absorption of water from fresh concrete.
- B. Coat surfaces of manhole, catch basins and other cast iron frames with oil to prevent bond with concrete pavement.
- C. Notify Engineer minimum 24 hours prior to commencement of concreting operations.

3.4 FORMING

- A. Place and secure forms to correct location, dimension, profile, and gradient.
- B. Assemble formwork to permit easy stripping and dismantling without damaging concrete.
- C. Place joint filler vertical in position, in straight lines. Secure to formwork during concrete placement.

3.5 REINFORCEMENT

- A. Place reinforcement at mid-height of slabs-on-grade.
- B. Interrupt reinforcement at [contraction] [expansion] joints.
- C. Place dowels to achieve pavement and curb alignment as detailed.
- D. Provide doweled joints 24 inch o.c. at transverse joints, interruptions of concrete and against existing concrete and buildings.

3.6 PLACING CONCRETE

- A. Place concrete in accordance with ACI 301 and State of Texas Highways Department standards.

3.7 JOINTS

- A. Place expansion and/or contraction joints at 20 foot intervals. Align curb, gutter, and sidewalk joints.
- B. Place joint filler between paving components and building or other appurtenances. Recess top of filler 1/4 inch for sealant placement by Section 07900.
- C. Provide scored joints at equal intervals between sidewalks and curbs.

Refurbishment of Jefferson County Health Clinic**3.8 FINISHING**

- A. Sidewalk Paving: Light broom, radius to 1/4 inch radius, and trowel joint edges.
- B. Curbs and Gutters: Light broom.
- C. Direction of Texturing: Transverse to pavement direction.
- D. Place sealer on exposed concrete surfaces immediately after finishing. Apply in accordance with manufacturer's instructions.

3.9 JOINT SEALING

- A. Separate pavement from vertical surfaces with 1/2 inch thick joint filler.
- B. Place joint filler in pavement pattern placement sequence. Set top to required elevations. Secure to resist movement by wet concrete.
- C. Extend joint filler from bottom of pavement to within 1/4 of finished surface. Conform to Section 07900 for finish joint sealer requirements.

3.10 TOLERANCES

- A. Maximum Variation of Surface Flatness: 1/4 inch in 10 ft.
- B. Maximum Variation From True Position: 1/4 inch.

3.11 FIELD QUALITY CONTROL

- A. Three concrete test cylinders will be taken for every 100 or less cu yds of each class of concrete placed each day.
- B. One additional test cylinder will be taken during cold weather and cured on site under same conditions as concrete it represents.
- C. One slump test will be taken for each set of test cylinders taken.
- D. Maintain records of placed concrete items. Record date, location of pour, quantity, air temperature, and test samples taken.

3.12 PROTECTION

- A. Immediately after placement, protect pavement from premature drying, excessive hot or cold temperatures, and mechanical injury.
- B. Do not permit pedestrian traffic over pavement for 7 days minimum after finishing.

3.13 SCHEDULES

- A. Concrete Sidewalks: 3,500 psi 28 day concrete, 4 inches thick, Portland cement, light broom finish.
- B. Ramp Retaining Walls: 3,500 psi 28 day concrete, Portland cement, rubbed finish.

END OF SECTION 02750

Refurbishment of Jefferson County Health Clinic

SECTION 03300
CAST-IN-PLACE CONCRETE

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Cast-in-place concrete floors, foundation walls and supported slabs.
- B. Floors and slabs on grade.
- C. Control, expansion and contraction joint devices associated with concrete work.
- D. Equipment pads, light pole base, flagpole base, thrust blocks, and manholes.

1.2 RELATED SECTIONS

- A. Section 02520 - Portland Cement Concrete Paving: Sidewalks, curbs and gutters.
- B. Section 07900 - Joint Sealers.

1.3 REFERENCES

- A. ACI 301 - Structural Concrete for Buildings.
- B. ACI 302 - Guide for Concrete Floor and Slab Construction.
- C. ACI 304 - Recommended Practice for Measuring, Mixing, Transporting and Placing Concrete.
- D. ACI 305R - Hot Weather Concreting.
- E. ACI 306R - Cold Weather Concreting.
- F. ACI 308 - Standard Practice for Curing Concrete.
- G. ACI 318 - Building Code Requirements for Reinforced Concrete.
- H. ANSI/ASTM D994 - Preformed Expansion Joint Filler for Concrete (Bituminous Type).
- I. ANSI/ASTM D1190 - Concrete Joint Sealer, Hot-Poured Elastic Type.
- J. ANSI/ASTM D1751 - Preformed Expansion Joint Fillers for Concrete Paving and Structural Construction (Non-extruding and Resilient Bituminous Types).
- K. ANSI/ASTM D1752 - Preformed Sponge Rubber and Cork Expansion Joint Fillers for Concrete Paving and Structural Construction.
- L. ASTM B221 - Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes.
- M. ASTM C33 - Concrete Aggregates.
- N. ASTM C94 - Ready-Mixed Concrete.
- O. ASTM C150 - Portland Cement.
- P. ASTM C260 - Air Entraining Admixtures for Concrete.
- Q. ASTM C330 - Light Weight Aggregates For Structural Concrete.
- R. ASTM C494 - Chemicals Admixtures for Concrete.
- S. ASTM C618 - Fly Ash and Raw or Calcinated Natural Pozzolan for Use as a Mineral Admixture in Portland Cement Concrete.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Provide data on joint devices, attachment accessories, and admixtures.
- C. Samples: Submit two, 12 inch long samples of expansion/contraction joint and control joint.
- D. Manufacturer's Installation Instructions: Indicate installation procedures and interface

Refurbishment of Jefferson County Health Clinic

required with adjacent Work.

1.5 PROJECT RECORD DOCUMENTS

- A. Submit under provisions of Section 01700.
- B. Accurately record actual locations of embedded utilities and components which are concealed from view.

1.6 QUALITY ASSURANCE

- A. Perform Work in accordance with ACI 301.
- B. Acquire cement and aggregate from same source for all work.
- C. Conform to ACI 305R when concreting during hot weather.
- D. Conform to ACI 306R when concreting during cold weather.

1.7 FIELD SAMPLES

- A. Provide under provisions of Section 01400. Coordinate with Section 03100.
- B. Locate where directed by Architect.
- C. Accepted sample panel is considered basis of quality for the finished work. Keep sample panel exposed to view for duration of concrete work.
- D. Accepted sample may not remain as part of the Work.

1.8 COORDINATION

- A. Coordinate work under provisions of Section 01039.
- B. Coordinate the placement of joint devices with erection of concrete formwork and placement of form accessories.

PART 2 PRODUCTS

2.1 CONCRETE MATERIALS

- A. Cement: ASTM C150, Type I - Normal or Type III - High Early Strength.
- B. Fine and Coarse Aggregates: ASTM C33.
- C. Water: Clean and not detrimental to concrete.

2.2 ACCESSORIES

- A. Vapor Barrier: 6 mil thick clear polyethylene film, type recommended for below grade application.
- B. Non-Shrink Grout: Premixed compound consisting of non-metallic aggregate, cement, water reducing and plasticizing agents; capable of developing minimum compressive strength of 2,400 psi in 48 hours and 7,000 psi in 28 days.

2.3 JOINT DEVICES AND FILLER MATERIALS

- A. Joint Filler: ASTM D1751; Asphalt impregnated fiberboard or felt, 1/2 inch thick; tongue and groove profile.
- B. Construction Joint Devices: Integral galvanized steel; formed to tongue and groove profile,

Refurbishment of Jefferson County Health Clinic

- with removable top strip exposing sealant trough, knockout holes spaced at 6 inches, ribbed steel spikes with tongue to fit top screed edge;
- C. Sealant and Primer: Epo-Flex SL as manufactured by L&M Construction Chemicals, Inc.

2.4 CONCRETE MIX

- A. Mix and deliver concrete in accordance with ASTM C94.
- B. Provide concrete with the specified strength as indicated in the drawings.
- C. Use accelerating admixtures in cold weather only when approved by Architect/Engineer. Use of admixtures will not relax cold weather placement requirements.
- D. Calcium chloride will not be allowed.
- E. Use set retarding admixtures during hot weather only when approved by Architect/Engineer.
- F. Add air entraining agent to normal weight concrete mix for work exposed to exterior.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify site conditions under provisions of Section 01039.
- B. Verify requirements for concrete cover over reinforcement.
- C. Verify that anchors, seats, plates, reinforcement and other items to be cast into concrete are accurately placed, positioned securely, and will not cause hardship in placing concrete.

3.2 PREPARATION

- A. Prepare previously placed concrete by cleaning with steel brush and applying bonding agent in accordance with manufacturer's instructions.
- B. In locations where new concrete is dowelled to existing work, drill holes in existing concrete, insert steel dowels and pack solid with non-shrink grout.

3.3 PLACING CONCRETE

- A. Place concrete in accordance with ACI 304.
- B. Notify Architect/Engineer minimum 24 hours prior to commencement of operations.
- C. Ensure reinforcement, inserts, embedded parts, formed expansion and contraction joints are not disturbed during concrete placement.
- D. Install vapor barrier under interior slabs on grade. Lap joints minimum 6 inches and seal watertight by taping edges and ends.
- E. Repair vapor barrier damaged during placement of concrete reinforcing. Repair with vapor barrier material; lap over damaged areas minimum 6 inches and seal watertight.
- F. Separate slabs on grade from vertical surfaces with 1/2 inch thick joint filler.
- G. Place joint filler in floor slab pattern placement sequence. Set top to required elevations. Secure to resist movement by wet concrete.
- H. Extend joint filler from bottom of slab to within 1/2 inch of finished slab surface. Conform to Section 07900 for finish joint sealer requirements.
- I. Install joint devices in accordance with manufacturer's instructions.
- J. Install construction joint devices in coordination with floor slab pattern placement sequence. Set top to required elevations. Secure to resist movement by wet concrete.
- K. Install joint device anchors. Maintain correct position to allow joint cover to be flush with floor and wall finish.

Refurbishment of Jefferson County Health Clinic

- L. Install joint covers in one piece length, when adjacent construction activity is complete.
- M. Apply sealants in joint devices in accordance with Section 07900.
- N. Maintain records of concrete placement. Record date, location, quantity, air temperature, and test samples taken.
- O. Place concrete continuously between predetermined expansion, control, and construction joints.
- P. Do not interrupt successive placement; do not permit cold joints to occur.
- Q. Place floor slabs in checkerboard or saw cut pattern indicated.
- R. Saw cut joints within 24 hours after placing. Use 3/16 inch thick blade, cut into 1/4 depth of slab thickness. Seal all control joints with joint sealant.
- S. Screed floors and slabs level, maintaining surface flatness of maximum 1/8 inch in 10 ft.

3.4 CONCRETE FINISHING

- A. Provide formed concrete walls with smooth rubbed finish.
- B. Finish concrete floor surfaces in accordance with ACI 301.
- C. Steel trowel surfaces which will receive carpeting and resilient flooring.
- D. Steel trowel surfaces which are scheduled to be exposed.
- E. In areas with floor drains, maintain floor elevation at walls; pitch surfaces uniformly to drains at 1/4 inch per foot nominal.

3.6 CURING AND PROTECTION

- A. Immediately after placement, protect concrete from premature drying, excessively hot or cold temperatures, and mechanical injury.
- B. Maintain concrete with minimal moisture loss at relatively constant temperature for period necessary for hydration of cement and hardening of concrete.
- C. Cure floor surfaces in accordance with ACI 308.
- D. Spraying: Spray water over floor slab areas and maintain wet for 7 days.

3.7 FIELD QUALITY CONTROL

- A. Field inspection and testing will be performed in accordance with ACI 301 and under provisions of Section 01400.
- B. Provide free access to Work and cooperate with appointed firm.
- C. Submit proposed mix design of each class of concrete to inspection and testing firm for review prior to commencement of Work.
- D. Tests of cement and aggregates may be performed to ensure conformance with specified requirements.
- E. Three concrete test cylinders will be taken for every 50 or less cu yds of each class of concrete placed.
- F. One additional test cylinder will be taken during cold weather concreting, cured on job site under same conditions as concrete it represents.
- G. One slump test will be taken for each set of test cylinders taken.

3.8 PATCHING

- A. Allow Architect/Engineer to inspect concrete surfaces immediately upon removal of forms.
- B. Excessive honeycomb or embedded debris in concrete is not acceptable. Notify Architect/Engineer upon discovery.

Refurbishment of Jefferson County Health Clinic

- C. Patch imperfections in accordance with ACI 301.

3.9 DEFECTIVE CONCRETE

- A. Defective Concrete: Concrete not conforming to required lines, details, dimensions, tolerances or specified requirements.
- B. Repair or replacement of defective concrete will be determined by the Architect/Engineer.
- C. Do not patch, fill, touch-up, repair, or replace exposed concrete except upon express direction of Architect/Engineer for each individual area.

END OF SECTION 03300

Refurbishment of Jefferson County Health Clinic**SECTION 06112**
FRAMING AND SHEATHING**PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Floor and Wall framing.
- B. Floor and Wall sheathing.
- C. Miscellaneous framing and sheathing.
- D. Telephone and electrical panel back boards.
- E. Concealed wood blocking for support of toilet and bath accessories and wall cabinets.

1.2 RELATED SECTIONS

- A. Section 03300 - Cast-in Place Concrete: Setting anchors in concrete.

1.3 REFERENCES

- A. ALSC (American Lumber Standards Committee) - Softwood Lumber Standards.
- B. ANSI A208.1 - Mat-Formed Wood Particleboard.
- C. APA (American Plywood Association).
- D. AWPA (American Wood Preservers Association) C1 - All Timber Products - Preservative Treatment by Pressure Process.
- E. NFPA (National Forest Products Association).
- F. SPIB (Southern Pine Inspection Bureau).
- G. WCLIB (West Coast Lumber Inspection Bureau).
- H. WWPA (Western Wood Products Association).

1.4 SUBMITTALS FOR REVIEW

- A. Section 01300 - Submittals: Procedures for submittals.
- B. Product Data: Provide technical data on insulated sheathing, wood preservative materials, and application instructions.

1.5 SUBMITTALS FOR INFORMATION

- A. Section 01300 - Submittals: Procedures for submittals.
- B. Manufacturer's Certificate: Certify that Products conform to specified requirements.

Refurbishment of Jefferson County Health Clinic**1.6 QUALITY ASSURANCE**

- A. Perform Work in accordance with the following agencies:
 - 1. Lumber Grading Agency: Certified by ALSC.
 - 2. Plywood Grading Agency: Certified by APA.

1.7 DELIVERY, STORAGE, AND PROTECTION

- A. Section 01600 - Material and Equipment: Transport, handle, store, and protect products.
- B. Protect trusses from warping or other distortion by stacking in vertical position, braced to resist movement.

PART 2 PRODUCTS

2.1 LUMBER MATERIALS

- A. Lumber Grading Rules: SPIB and WHPA.
- B. Studding: Hem/Fir species, 19percent maximum moisture content.
- C. Miscellaneous Framing: Stress Group D, Mem/Fir species, 19 percent maximum moisture content[, pressure preservative treat all members in contact with concrete.

2.2 SHEATHING MATERIALS

- A. Plywood Wall Sheathing: APA Rated Sheathing Structural II; Exposure Durability 2; sanded.
- B. Particleboard Wall Sheathing: ANSI A208.1 Oriented Strand Board; wood flakes set with waterproof resin binder; sanded face.
- C. Gypsum Wall Sheathing: Moisture resistant, 1/2 inch thick, 24 x 96 inch sized sheets, tongue and groove edges, water repellent paper faces.
- D. Telephone and Electrical Panel Boards: Plywood.

2.3 ACCESSORIES

- A. Fasteners and Anchors:
 - 1. Fasteners: Electro galvanized steel for high humidity and treated wood locations, unfinished steel elsewhere.
 - 2. Drywall Screws: Bugle head, hardened steel, power driven type, length to achieve full penetration of sheathing substrate.
 - 3. Anchors: Toggle bolt type for anchorage to hollow masonry. Expansion shield and lag bolt type for anchorage to solid masonry or concrete. Bolt or ballistic fastener for anchorages to steel.]
- B. Building Paper: No.15 asphalt felt.

Refurbishment of Jefferson County Health Clinic

2.4 FACTORY WOOD TREATMENT

- A. Wood Preservative (Pressure Treatment): AWPA Treatment C1 using water borne preservative with 0.25 percent retainage.

PART 3 EXECUTION

3.1 FRAMING

- A. Set structural members level and plumb, in correct position.
- B. Double members at openings over 24 inches wide. Space short studs over and under opening to stud spacing.
- C. Construct double joist headers at floor and ceiling openings and under wall stud partitions that are parallel to floor joists. Frame rigidly into joists.

3.2 SHEATHING

- A. Secure roof sheathing with longer edge perpendicular to framing members and with ends staggered and sheet ends over bearing.
- B. Fully engage tongue and groove edges.
- C. Secure wall sheathing with long dimension perpendicular to wall studs, with ends over firm bearing and staggered.
- D. Place building paper horizontally over wall sheathing; weather lap edges and ends.
- E. Install telephone and electrical panel back boards with plywood sheathing material where required. Size the back board by 12 inches beyond size of electrical panel. Size of telephone backboard to be 48" square with bottom edge mounted 36 inches above finished subfloor.

3.3 SITE APPLIED WOOD TREATMENT

- A. Apply preservative treatment in accordance with manufacturer's instructions.
- B. Treat site-sawn cuts and penetrations.
- C. Allow preservative to dry prior to erecting members.

3.4 TOLERANCES

- A. Framing Members: 1/4 inch from true position, maximum.
- B. Surface Flatness of Floor: 1/4 inch in 10 feet maximum, and 1/2 inch in 30 feet maximum.

END OF SECTION

Refurbishment of Jefferson County Health Clinic

**SECTION 06200
FINISH CARPENTRY**

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Finish carpentry items, other than shop prefabricated casework.
- B. Hardware and attachment accessories.

1.2 RELATED SECTIONS

- A. Section 08211 - Flush Wood Doors.
- B. Section 09900 - Painting: Painting and finishing of finish carpentry items.

1.3 REFERENCES

- A. ANSI A135.4 - Basic Hardboard.
- B. ANSI A208.1 - Mat Formed Wood Particleboard.
- C. ASTM E84 - Test Method for Surface Burning Characteristics of Building Materials.
- D. AWI - Quality Standards.
- E. AWWA (American Wood Preservers Association) C2 - Lumber, Timbers, Bridge Ties and Mine Ties - Preservative Treatment by Pressure Processes.
- F. AWWA (American Wood Preservers Association) C20 - Structural Lumber Fire Retardant Treatment by Pressure Process.
- G. BHMA A156.9 - Cabinet Hardware.
- H. FS MMM-A-130 - Adhesive, Contact.
- I. HPLMA (Hardwood Plywood Manufacturer's Association) HP - American Standard for Hardwood and Decorative Plywood.
- J. NEMA (National Electric Manufacturers Association) LD3 - High Pressure Decorative Laminates.
- K. NHLA (National Hardwood Lumber Association).
- L. NWWDA (National Wood Window and Door Association) I.S.4 - Water Repellant Preservative Treatment for Millwork.
- M. PS 1 - Construction and Industrial Plywood.
- N. PS 20 - American Softwood Lumber Standard.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories, and to a minimum scale of 1-1/2 inch to 1 ft.
- C. Product Data: Provide data on fire retardant treatment materials and application instructions.
- D. Provide instructions for attachment hardware, and finish hardware.
- E. Samples: Submit four samples of finish plywood, 12 x 12 inch in size illustrating wood grain and specified finish.
- F. Submit 4 samples of wood trim 12 inches long.

Refurbishment of Jefferson County Health Clinic

1.5 QUALITY ASSURANCE

- A. Perform work in accordance with AWI Custom quality.

1.6 QUALIFICATIONS

- A. Fabricator: Company specializing in fabricating the products specified in this section with minimum three years documented experience.

1.7 REGULATORY REQUIREMENTS

- A. Conform to applicable code for fire retardant requirements.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, protect and handle products to site under provisions of Section 01600.
- B. Protect work from moisture damage.

1.9 FIELD MEASUREMENTS

- A. Verify that field measurements are as instructed by the manufacturer.

1.10 COORDINATION

- A. Coordinate work under provisions of Section 01039.
- B. Coordinate the work with plumbing and electrical rough-in, installation of associated and adjacent components, and telephone and data cabling.

PART 2 PRODUCTS

2.1 LUMBER MATERIALS

- A. Softwood Lumber: PS 20; Graded in accordance with AWI Custom; White Birch species, maximum moisture content of 6 percent; with flat grain, of quality suitable for transparent finish.
- B. Hardwood Lumber: Graded in accordance with AWI Custom; White Birch species, maximum moisture content of 6 percent; with flat grain, of quality suitable for transparent finish.

2.2 SHEET MATERIALS

- A. Softwood Plywood: PS 1 Grade C-D; Graded in accordance with AWI Custom; veneer core.
- B. Hardwood Plywood: Graded in accordance with AWI Custom; veneer core, type of glue recommended for application; White Birch face species.
- C. Wood Particleboard: ANSI A208.1 Type 1; AWI standard, composed of wood chips, medium density, made with high waterproof resin binders, water resistant adhesive; of grade to suit application; sanded faces.
- D. Hardboard: ANSI A135.4; Pressed wood fiber with resin binder, tempered grade, 1/4 inch thick, smooth two sides.
- E. Pegboard: Pressed wood fiber with resin binder, tempered grade; 1/4 inch thick with 9/32

Refurbishment of Jefferson County Health Clinic

inch diameter holes at 1 inch on center.

2.3 PLASTIC LAMINATE MATERIALS

- A. Plastic Laminate: AWI, 0.050 inch General Purpose; color and pattern to be determined from manufacturers standard color selections, and matte surface texture as selected.

2.4 ADHESIVE

- A. Adhesive: FS MMM-A-130 contact adhesive. Type recommended by AWI and laminate manufacturer to suit application.

2.5 FASTENERS

- A. Fasteners: Of size and type to suit application.
- B. Concealed Joint Fasteners: Threaded steel.

2.6 ACCESSORIES

- A. Lumber for Shimming, and Blocking: Softwood lumber of option species.
- B. Glass: Type A, as specified in Section 08800.
- C. Primer: Alkyd primer sealer.
- D. Wood Filler: Solvent base, tinted to match surface finish color.

2.7 WOOD TREATMENT PROCESSES

- A. Wood Preservative by Pressure Treatment (PT Type): AWPA Treatment C2 using water borne preservative with 0.25 percent retainage.
- B. Wood Repellant Preservative Treatment by Dipping Method: NWWDA I.S.4, with 0.25 percent retainage.
- C. Wood Preservative (Surface Application): Clear type.

2.8 SHOP TREATMENT OF WOOD MATERIALS

- A. Shop pressure treat treatment to wood materials requiring UL fire rating preservatives to concealed wood blocking.
- B. Provide UL approved identification on fire retardant treated material.
- C. Deliver fire retardant treated materials cut to required sizes. Minimize field cutting.
- D. Kiln dry wood after pressure treatment to maximum 9 percent moisture content.

2.9 FABRICATION

- A. Fabricate to AWI Custom standards.
- B. Shop assemble work for delivery to site, permitting passage through building openings.
- C. Fit exposed sheet material edges with 3/8 inch matching hardwood edging. Use one piece for full length only.
- D. Cap exposed plastic laminate finish edges with material of same finish and pattern.
- E. Shop prepare and identify components for book match grain matching during site erection.
- F. When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.

Refurbishment of Jefferson County Health Clinic

- G. Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Slightly bevel arises. Locate counter butt joints minimum 2 feet from sink cut-outs.
- H. Apply laminate backing sheet to reverse side of plastic laminate finished surfaces.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify adequacy of backing and support framing.
- B. Verify mechanical, electrical, and building items affecting work of this section are placed and ready to receive this work.

3.2 INSTALLATION

- A. Install work in accordance with AWI Custom Quality Standard.
- B. Set and secure materials and components in place, plumb and level.
- C. Carefully scribe work abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim to conceal larger gaps.
- D. Install components with screws and with nails trim at 16 inches on center.

3.3 SITE APPLIED WOOD TREATMENT

- A. Apply preservative treatment in accordance with manufacturer's instructions.
- B. Treat site-sawn cuts.
- C. Allow preservative to dry prior to erecting members.

3.4 PREPARATION FOR SITE FINISHING

- A. Set exposed fasteners. Apply wood filler in exposed fastener indentations. Sand work smooth.
- B. Site Finishing: Refer to Section 09900.
- C. Before installation, prime paint surfaces of items or assemblies to be in contact with cementitious materials.

3.5 ERECTION TOLERANCES

- A. Maximum Variation from True Position: 1/16 inch.
- B. Maximum Offset from True Alignment with Abutting Materials: 1/32 inch.

END OF SECTION 06200

Refurbishment of Jefferson County Health Clinic

**SECTION 07900
JOINT SEALERS**

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Preparing substrate surfaces.
- B. Sealant and joint backing.

1.2 RELATED SECTIONS

- A. Section 08800 - Glazing: Sealants required in conjunction with glazing methods.

1.3 REFERENCES

- A. ASTM C790 - Use of Latex Sealing Compounds.
- B. ASTM C804 - Use of Solvent-Release Type Sealants.
- C. ASTM C834 - Latex Sealing Compounds.
- D. ASTM C919 - Use of Sealants in Acoustical Applications.
- E. ASTM C920 - Elastomeric Joint Sealants.
- F. ASTM D1056 - Flexible Cellular Materials - Sponge or Expanded Rubber.
- G. ASTM D1565 - Flexible Cellular Materials - Vinyl Chloride Polymers and Copolymers (Open-Cell Foam).
- H. SWRI (Sealant, Waterproofing and Restoration Institute) - Sealant and Caulking Guide Specification.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Provide data indicating sealant chemical characteristics, performance criteria including ASTM reference standards and federal specifications compliance, substrate preparation, limitations, and color availability.

1.5 QUALITY ASSURANCE

- A. Perform work in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions.

1.6 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.
- B. Applicator: Company specializing in performing the work of this section with minimum three years documented experience approved by manufacturer.

1.7 FIELD SAMPLE

- A. Provide field samples of sealant joints in conjunction with window and wall systems.
- B. Field sample may remain as part of the Work.

Refurbishment of Jefferson County Health Clinic

1.8 ENVIRONMENTAL REQUIREMENTS

- A. Maintain temperature and humidity recommended by the sealant manufacturer during and after installation.

1.9 COORDINATION

- A. Coordinate work under provisions of Section 01039.
B. Coordinate the work with all sections referencing this section.

1.10 WARRANTY

- A. Provide one year warranty under provisions of Section 01700.
B. Warranty: Include coverage for installed sealants and accessories which fail to achieve air tight seal, water tight seal, and exhibit loss of adhesion or cohesion, or do not cure.

PART 2 PRODUCTS

2.1 SEALANTS

- A. Interior Acrylic Emulsion Latex (Type IAEL): ASTM C920, Grade NS, Class 12.5, Use NT; Single component, non-staining, non-bleeding, non-sagging; color as selected.
1. Elongation Capability 2 to 5 percent
 2. Service Temperature Range 2 to 160 degrees F
 3. Shore A Hardness Range 15 to 40
- B. Butyl Sealant (Type BS): [ASTM C920, Grade NS, Use NT single component, solvent release, non-skinning, non-sagging, black color; butyl sealant manufactured by Tremco or 757 butyl sealant manufactured by Protective Treatments, Inc.
1. Elongation Capability 7 to 10 percent
 2. Service Temperature Range -40 to 190 degrees F
 3. Shore A Hardness Range 24 to 28
- C. Polyurethane Sealant, non-sagging (Type PNS).
1. Polyurethane Sealant: ASTM C920, Grade NS, Class 25, Use NT, M, A, O; single component, chemical curing, non-staining, non-bleeding, non-sagging; color as selected; Dymonic manufactured by Tremco or Dynatrol I manufactured by Pecora.
 - a) Elongation Capability 25 percent
 - b) Service Temperature Range -40 to 180 degrees F
 - c) Shore A Hardness Range 20 to 30
 2. Polyurethane Sealant: ASTM C920, Grade NS, Class 25, Use NT, M, A, O; multi-component, chemical curing, non-staining, non-bleeding, non-sagging type; color as selected; Dymeric manufactured by Tremco or Dynatrol II manufactured by Pecora.
 - a) Elongation Capability 25 percent
 - b) Service Temperature Range -20 to 180 degrees F
 - c) Shore A Hardness Range 25 to 35
- D. Polyurethane traffic bearing sealants, (Type PTB).
1. Polyurethane Sealant: ASTM C920, Grade P, Class 25, Use T; single component, chemical curing, non-staining, non-bleeding, capable of continuous water immersion, self-leveling type; color as selected; Urexpon NR-201 manufactured by Pecora Corp. for slopes less than 1 percent.

Refurbishment of Jefferson County Health Clinic

- a) Elongation Capability 25 percent
 - b) Service Temperature Range -20 to 180 degrees F
 - c) Shore A Hardness 35
- 2. Polyurethane Sealant: ASTM C920, Grade P, Class 25, Use T, M, O; multi-component, chemical curing, non-staining, non-bleeding, capable of continuous water immersion, self-leveling type; color as selected; THC-900 manufactured by Tremco or Urexpon NR-200 manufactured by Pecora Corp. for slopes less than 1 percent. For slopes of 1 percent or greater use THC-901 manufactured by Tremco or Dynatrol manufactured by Pecora Corp.
 - a) Elongation Capability 25 percent
 - b) Service Temperature Range -20 to 180 degrees F
 - c) Shore A Hardness 25 to 35
- E. Compressed - Expanding Foam Sealant, (Type EFS), Grade NS, Class 25, Use NT, M, O, precompressed, impregnated, self-expanding, open-cell foam, non-staining, non-bleeding; Emseal 20H manufactured by Emseal Joint Systems Ltd.
 - 1. Elongation Capability 25 percent
- F. Sanitary Silicone Sealant (Type SSS): ASTM C920, Grade NS, Class 25, Use NT, G, A, O single component, fungus resistant, acidic curing, non-sagging, non-staining, non-bleeding; [white] [translucent white] color; 786 mildew-resistant manufactured by Dow Corning Corp. or Sanitary 1700 manufactured by General Electric.
 - 1. Shore A Hardness 25

2.2 ACCESSORIES

- A. Primer: Non-staining type, recommended by sealant manufacturer to suit application.
- B. Joint Cleaner: Non-corrosive and non-staining type, recommended by sealant manufacturer; compatible with joint forming materials.
- C. Joint Backing: ASTM [D1056] [D1565]; round, closed cell foam rod; oversized 30 to 50 percent larger than joint width; compatible with sealant (polyethylene, butyl, neoprene, polyurethane, PVC).
 - 1. At vertical locations provide polyethylene recommended by sealant manufacturer.
 - 2. At horizontal locations provide solid neoprene or butyl rubber with a Shore A hardness of 70.
- D. Bond Breaker: Pressure sensitive tape recommended by sealant manufacturer to suit application.

PART 3 EXECUTION**3.1 EXAMINATION**

- A. Verify that substrate surfaces and joint openings are ready to receive work.
- B. Verify that joint backing and release tapes are compatible with sealant.

3.2 PREPARATION

- A. Remove loose materials and foreign matter which might impair adhesion of sealant.
- B. Clean and prime joints in accordance with manufacturer's instructions.
- C. Perform preparation in accordance with manufacturer's instructions.
- D. Protect elements surrounding the work of this section from damage or disfiguration.

Refurbishment of Jefferson County Health Clinic
3.3 INSTALLATION

- A. Install sealant in accordance with manufacturer's instructions.
- B. Measure joint dimensions and size materials to achieve required width/depth ratios.
- C. Install joint backing to achieve a neck dimension no greater than 1/3 of the joint width.
- D. Install bond breaker where joint backing is not used.
- E. Install sealant free of air pockets, foreign embedded matter, ridges, and sags.
- F. Apply sealant within recommended application temperature ranges. Consult manufacturer when sealant cannot be applied within these temperature ranges.
- G. Tool joints concave.

3.4 CLEANING

- A. Clean work under provisions of 01700.
- B. Clean adjacent soiled surfaces.

3.5 PROTECTION OF FINISHED WORK

- A. Protect finished installation under provisions of Section 01500.
- B. Protect sealants until cured.

3.6 INTERIOR SEALANT SCHEDULE

	Location	Type	Color
A.	Between plumbing fixtures and adjacent finishes	SSS	White
B.	Door Frame/Walls	IAEL	Color to match adjacent finishes
C.	Under Thresholds	BS	Black
D.	Interior Joints	IAEL	Field Selected
	Not Listed Above		

END OF SECTION 07900

Refurbishment of Jefferson County Health Clinic**SECTION 08112**
STANDARD STEEL FRAMES**PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Non-rated steel frames.

1.2 RELATED SECTIONS

- A. Section 08111 - Standard Steel Doors.
- B. Section 08211 - Flush Wood Doors.
- C. Section 08712 - Door Hardware.
- D. Section 08800 - Glazing.
- E. Section 09900 - Painting: Field painting of frames.

1.3 REFERENCES

- A. Americans with Disabilities Act.
- B. State of Texas Accessibility Standards.
- C. ANSI A117.1 - Specifications for Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People.
- D. ANSI/SDI-100 - Standard Steel Doors and Frames.
- E. ASTM A525 - Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process.
- F. ASTM C236 - Test Method for Steady-State Thermal Performance of Building Assemblies by Means of a Guarded Hot-Box.
- G. ASTM E152 - Methods of Fire Tests of Door Assemblies.
- H. ASTM E413 - Classification for Determination of Sound Transmission Class.
- I. Door Hardware Institute (DHI) - The Installation of Commercial Steel Doors and Steel Frames, Insulated Steel Doors in Wood Frames and Builder's Hardware.
- J. NFPA 80 - Fire Doors and Windows.
- K. NFPA 252 - Fire Tests for Door Assemblies.
- L. UL 10B - Fire Tests of Door Assemblies.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Shop Drawings: Indicate frame elevations, reinforcement, methods of anchorage and finish.
- C. Product Data: Indicate frame configuration, anchor types and spacings, location of cut-outs for hardware, reinforcement.
- D. Manufacturer's Installation Instructions: Indicate special installation instructions.
- E. Manufacturer's Certificate: Certify that Products meet or exceed specified requirements.

Refurbishment of Jefferson County Health Clinic**1.5 QUALITY ASSURANCE**

- A. Conform to requirements of ADA, ANSI/SDI-100 and ANSI A117.1.

1.6 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.

1.7 REGULATORY REQUIREMENTS

- A. Fire Rated Door and Panel Construction: Conform to ASTM E152.
- B. Fire Rated Door Construction: Rate of rise of 450 F degrees across door thickness.
- C. Installed Frame Assembly: Conform to NFPA 80 for fire rated class same as fire door.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, protect, and handle products to site under provisions of Section 01600.
- B. Break seal on-site to permit ventilation.

1.9 FIELD MEASUREMENTS

- A. Verify that field measurements are as instructed by the steel door frame manufacturer.

1.10 COORDINATION

- A. Coordinate work under provisions of Section 01039.
- B. Coordinate the work with door opening construction, door frame and door hardware installation.

PART 2 PRODUCTS

2.1 FRAMES

- A. Frames: To suit ANSI/SDI-100 Grade and Model of door specified in Section 08111 and 08211 as follows:
 - 1. Exterior Frames: 16 gage thick material, base metal thickness.
 - 2. Interior Frames: 18 gage thick material, base metal thickness.

2.2 ACCESSORIES

- A. Silencers: Resilient rubber, fitted into drilled hole.
- B. Removable Stops: Rolled steel channel shape, butted corners; prepared for countersink style tamper proof screws.

Refurbishment of Jefferson County Health Clinic

- C. Bituminous Coating: Fibered asphalt emulsion.
- D. Primer: Zinc chromate type.

2.3 FABRICATION

- A. Fabricate frames as welded unit.
- B. Fabricate frames with hardware reinforcement plates welded in place. Provide mortar guard boxes.
- C. Reinforce frames wider than 48 inches with roll formed steel channels fitted tightly into frame head, flush with top.
- D. Prepare frame for silencers. Provide three single silencers for single doors on strike side. Provide two single silencers on frame head at double doors without mullions.

2.4 FINISH

- A. Steel Sheet: Galvanized to ASTM A525.
- B. Primer: Baked.
- C. Factory Finish: Baked enamel.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify substrate conditions under provisions of Section 01039.
- B. Verify that opening sizes and tolerances are acceptable.

3.2 INSTALLATION

- A. Install frames in accordance with ANSI/SDI-100 and DHI.
- B. Coordinate with gypsum board wall construction for anchor placement.
- C. Coordinate installation of frames with installation of hardware specified in Section 08710 and doors in Section 08211.
- D. Install roll formed steel reinforcement channels between two abutting frames. Anchor to structure and floor.

3.3 ERECTION TOLERANCES

- A. Maximum Diagonal Distortion: 1/16 inch measured with straight edges, crossed corner to corner.

END OF SECTION 08112

Refurbishment of Jefferson County Health Clinic

**SECTION 08211
FLUSH WOOD DOORS**

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Flush wood doors non-rated.

1.2 RELATED SECTIONS

- A. Section 08112 - Standard Steel Frames: Steel door frames.
- B. Section 08712 - Door Hardware.
- C. Section 08800 - Glazing.
- D. Section 09900 - Painting: Site finishing doors.

1.3 REFERENCES

- A. Americans with Disabilities Act.
- B. State of Texas Accessibility Standards.
- C. ANSI A117.1 - Specifications for Making Buildings and Facilities Accessible to and Useable by Physically Handicapped People.
- D. ANSI A135.4 - Basic Hardboard.
- E. ANSI/HPMA HP - Hardwood and Decorative Plywood.
- F. ASTM E152 - Methods of Fire Tests of Door Assemblies.
- G. ASTM E413 - Classification for Determination of Sound Transmission Class.
- H. AWI - Quality Standards of the Architectural Woodwork Institute.
- I. NFPA 80 - Fire Doors and Windows.
- J. NFPA 252 - Standard Method of Fire Tests for Door Assemblies.
- K. UL 10B - Fire Tests of Door Assemblies.
- L. Warnock-Hersey - Certification Listings for fire doors.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Shop Drawings: Illustrate door opening criteria, elevations, sizes, types, swings, undercuts required, special beveling, and special blocking for hardware.
- C. Product Data: Indicate door core materials and construction; veneer species, type and characteristics; and factory machining criteria.

1.5 QUALITY ASSURANCE

- A. Perform work in accordance with AWI Quality Standard Section 1300, Custom Grade.

1.6 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.

Refurbishment of Jefferson County Health Clinic

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, protect, and handle products to site under provisions of Section 01600.
- B. Package, deliver and store doors in accordance with AWI Section 1300.

1.8 FIELD MEASUREMENTS

- A. Verify that field measurements are as indicated on shop drawings.

1.9 COORDINATION

- A. Coordinate work under provisions of Section 01039.
- B. Coordinate the work with door opening construction, door frame and door hardware installation.

1.10 WARRANTY

- A. Provide warranty under provisions of Section 01700 to the following term:
 - 1. Life of Installation: Interior and exterior doors.
- B. Include coverage for delamination of veneer, warping beyond specified installation tolerances, defective materials, and telegraphing core construction.

PART 2 PRODUCTS

2.1 DOOR TYPES

- A. Flush Exterior Doors: 1-3/4 inches thick; solid core construction.
- B. Flush Interior Doors: 1-3/4 inches thick; solid core construction.

2.2 DOOR CONSTRUCTION

- A. Core (Solid, Non-Rated): AWI Section 1300, Type PC-Particleboard.

2.3 FLUSH DOOR FACING

- A. Veneer Facing (Flush Exterior Doors): AWI Custom quality, White Birch species wood, plain sliced, with pair matched grain, for transparent finish.
- B. Veneer Facing (Flush Interior Doors): AWI Custom quality, White Birch species wood, plain sliced, with pair matched grain, for transparent finish.

2.4 ADHESIVE

- A. Facing Adhesive: Type I - waterproof at exterior doors and interior doors.

2.5 FABRICATION

- A. Fabricate non-rated doors in accordance with AWI Quality Standards requirements.
- B. Provide lock blocks at [lock edge] [and] [top of door for closer] for hardware reinforcement.
- C. Bond edge banding to cores.
- D. Factory pre-fit doors for frame opening dimensions identified on shop drawings.

Refurbishment of Jefferson County Health Clinic

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify frame opening conditions under provisions of Section 01039.
- B. Verify that opening sizes and tolerances are acceptable.
- C. Do not install doors in frame openings that are not plumb or are out-of-tolerance for size or alignment.

3.2 INSTALLATION

- A. Install non-rated doors in accordance with AWI Quality Standards requirements.
- B. Trim non-rated door width by cutting equally on both jamb edges.
- C. Trim door height by cutting bottom edges to a maximum of 3/4 inch.
- D. Pilot drill screw and bolt holes.
- E. Machine cut for hardware. Core for handsets and cylinders.
- F. Coordinate installation of doors with installation of frames specified in Section 08112 and hardware specified in Section 08710.

3.3 INSTALLATION TOLERANCES

- A. Conform to AWI requirements for fit and clearance tolerances.
- B. Conform to AWI Section 1300 requirements for maximum diagonal distortion.

3.4 ADJUSTING

- A. Adjust work under provisions of Section 01700.
- B. Adjust door for smooth and balanced door movement.

END OF SECTION 08211

Refurbishment of Jefferson County Health Clinic**SECTION 08341**
OVERHEAD COILING GRILLES**PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Coiling metal grilles and operating hardware; manual operation.

1.2 REFERENCES

- A. ASTM A480/A480M - General Requirements for Flat-Rolled Stainless and Heat Resisting Steel Plate, Sheet, and Strip.
- B. ASTM A525/A525M - Steel Sheet, Zinc-coated (Galvanized) by the Hot-Dip Process.
- C. ASTM A526/A526M - Steel Sheet, Zinc-coated (Galvanized) by the Hot-dip Process, Commercial Quality.
- D. ASTM B169/B169M - Aluminum Bronze Plate, Sheet, Strip, and Rolled Bar.
- E. ASTM B221/A221M - Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes.
- F. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum).
- G. NEMA ICS 2 - Standards for Industrial Control Devices, Controllers and Assemblies.
- H. NEMA MG1 - Motors and Generators.
- I. ULI - Underwriters' Laboratories Inc.
- J. UL 325 - Grille, Drapery, Gate, Louver, and Window Operators and Systems.

1.3 SYSTEM DESCRIPTION

- A. Manual unit with overhead counter balance device.
- B. Coiling Grille: Surface mounted.

1.4 SUBMITTALS FOR REVIEW

- A. Section 01300 - Submittals: Procedures for submittals.
- B. Product Data: Provide general construction, component connections and details.
- C. Shop Drawings: Indicate pertinent dimensioning, anchorage methods, hardware locations, and installation details.
- D. Samples: Submit two grille members, 6x6 inch in size illustrating shape, color and finish texture.

1.5 SUBMITTALS FOR INFORMATION

- A. Section 01300 - Submittals: Procedures for submittals.
- B. Manufacturer's Instructions: Indicate installation sequence and procedures, adjustment and alignment procedures.

Refurbishment of Jefferson County Health Clinic

PART 2 PRODUCTS

2.1 MATERIALS

- A. Grille: Conforming to the following:
 - 1. Material: Stainless steel conforming to ASTM A480/A480M Type 304 rollable temper.
 - 2. Sizes: Fabricated of 5/16 inch diameter horizontal members spaced at 1 1/2 inch oc; 1/2 inch diameter tube spacers for carrier rods spaced at 3 1/4 inch mm) oc.
 - 3. Vertical Connecting Members: 5/16 inch diameter, links spaced at 6 inch oc.
 - 4. Ends: Members with nylon runners for quiet operation.
 - 5. Bottom Bar: Back-to-back angles with tubular resilient cushion.
- B. Guides: Stainless steel conforming to ASTM A480 Type 304 rollable temper. Angles, of profile to retain grille in place with snap-on trim, mounting brackets of same metal.
- C. Roller Shaft Counterbalance: Steel pipe and helical steel spring system, capable of producing torque sufficient to assure smooth operation of grille from any position; with adjustable spring tension.
- D. Hood Enclosure: 22 gage galvanized steel conforming to ASTM A526, galvanized to minimum 1.25 oz/sq ft coating in accordance with ASTM A525.
- E. Hardware:
 - 1. Cylinders: Grilles keyed alike.
 - 2. Handle: Inside center mounted, adjustable keeper, spring activated latch bar with feature to keep in locked or retracted position; interior handle.

2.2 FINISHES

- A. Grille Components: Stainless steel with No. [4] [_____] finish.
- B. Guides and Hood Enclosure: Prefinished.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that opening sizes, tolerances and conditions are acceptable.

3.2 INSTALLATION

- A. Install grille unit assembly in accordance with manufacturer's instructions.
- B. Use anchorage devices to securely fasten assembly to wall construction and building framing without distortion or stress.

Refurbishment of Jefferson County Health Clinic

- C. Securely and rigidly brace components suspended from structure. Secure guides to structural members only.
- D. Fit and align assembly including hardware; level and plumb, to provide smooth operation.
- E. Install perimeter trim and closures.

3.3 ERECTION TOLERANCES

- A. Section 01400 - Quality Control: Tolerances.
- B. Maintain dimensional tolerances and alignment with adjacent work.
- C. Maximum Variation From Plumb: 1/16 inch.
- D. Maximum Variation From Level: 1/16 inch.
- E. Longitudinal or Diagonal Warp: Plus or minus 1/8 inch per 10 ft straight edge.

3.4 ADJUSTING

- A. Adjust grille, hardware and operating assemblies for smooth and noiseless operation.

3.5 CLEANING

- A. Section 01700 - Contract Closeout: Cleaning installed work.
- B. Clean grille and components.
- C. Remove labels and visible markings.

END OF SECTION 08341

Refurbishment of Jefferson County Health Clinic**SECTION 08410**
ALUMINUM ENTRANCES AND STOREFRONTS**PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Aluminum doors and frames, aluminum storefront windows.
- B. Vision glass.
- C. Perimeter sealant.

1.2 PRODUCTS INSTALLED BUT NOT FURNISHED UNDER THIS SECTION

- A. Section 08712 - Door Hardware: Hardware items other than specified in this section.

1.3 RELATED SECTIONS

- A. Section 07900 - Sealants: System perimeter sealant and back-up materials.

1.4 REFERENCES

- A. Americans with Disabilities Act.
- B. State of Texas Accessibility Standards
- C. AAMA - Metal Curtain Wall, Window, Store Front and Entrance - Guide Specifications Manual.
- D. AAMA - Curtain Wall Manual #10 - Care and Handling of Architectural Aluminum From Shop to Site.
- E. AAMA 501 - Methods of Test for Metal Curtain Walls.
- F. AAMA 603.8 - Performance Requirements and Test Procedures for Pigmented Organic Coatings on Extruded Aluminum.
- G. AAMA 605.2 - Specification for High Performance Organic Coatings on Architectural Extrusions and Panels.
- H. AAMA 606.1 - Specifications and Inspection Methods for Integral Color Anodic Finishes for Architectural Aluminum.
- I. AAMA 607.1 - Specifications and Inspection Methods for Clear Anodic Finishes for Architectural Aluminum.
- J. AAMA 608.1 - Specification and Inspection Methods for Electrolytically Deposited Color Anodic Finishes for Architectural Aluminum.
- K. AAMA SFM-1 - Aluminum Storefront and Entrance Manual.
- L. ANSI A117.1 - Safety Standards for the Handicapped.
- M. ANSI/ASTM A36 - Structural Steel.
- N. ANSI/ASTM A386 - Zinc Coating (Hot Dip) on Assembled Steel Products.
- O. ANSI/ASTM A446 - Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Structural

Refurbishment of Jefferson County Health Clinic

(Physical) Quality.

- P. ANSI/ASTM B209 - Aluminum and Aluminum-Alloy Sheet and Plate.
- Q. ANSI/ASTM B221 - Aluminum-Alloy Extruded Bar, Rod, Wire, Shape, and Tube.
- R. ANSI/ASTM E283 - Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors.
- S. ANSI/ASTM E330 - Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.
- T. ANSI/ASTM E331 - Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.
- U. SSPC - Steel Structures Painting Council.

1.5 SYSTEM DESCRIPTION

- A. Aluminum entrances and storefront system includes tubular aluminum sections, shop fabricated, factory pre-finished, vision glass, related flashings, anchorage and attachment devices.

1.6 PERFORMANCE REQUIREMENTS

- A. Design and size components to withstand dead and live loads caused by positive and negative wind pressure acting normal to plane of wall as calculated in accordance with applicable coastal wind load codes.
- B. Limit mullion deflection to 1/200; with full recovery of glazing materials.
- C. System to accommodate, without damage to components or deterioration of seals, movement within system, movement between system and peripheral construction, dynamic loading and release of loads, deflection of structural support framing.
- D. Limit air leakage through assembly to 0.06 cfm/min/sq ft of wall area, measured at a reference differential pressure across assembly of 1.57 psf as measured in accordance with ANSI/ASTM E283.
- E. Vapor Seal with Interior Atmospheric Pressure of 1 inch sp, 72 degrees F, 40 Percent RH: No failure.
- F. Maintain continuous air and vapor barrier throughout assembly, primarily in line with [inside] pane of glass [and inner sheet of infill panel] and heel bead of glazing compound.
- G. System to provide for expansion and contraction within system components caused by a cycling temperature range of 170 degrees F over a 12 hour period without causing detrimental affect to system components.
- H. Drain water entering joints, condensation occurring in glazing channels, or migrating moisture occurring within system, to the exterior by a weep drainage network.

1.7 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Shop Drawings: Indicate system dimensions, framed opening requirements and tolerances, affected related Work and expansion and contraction joint location and details.

Refurbishment of Jefferson County Health Clinic

- C. Product Data: Provide component dimensions, describe components within assembly, anchorage and fasteners, glass and infill, door hardware, and internal drainage details.
- D. Submit two samples 12 x 12 inches in size illustrating pre-finished aluminum surface, glass units, infill panels, glazing materials.
- E. Manufacturer's Certificate: Certify that Products meet or exceed specified requirements.

1.8 QUALITY ASSURANCE

- A. Perform Work in accordance with AAMA SFM-1 and AAMA - Metal Curtain Wall, Window, Store Front and Entrance - Guide Specifications Manual.
- B. Conform to requirements of ANSI A117.1.
- C. Conform to requirements Americans with Disabilities Act.

1.9 QUALIFICATIONS

- A. Manufacturer and Installer: Company specializing in manufacturing aluminum glazing systems with minimum three years experience.

1.10 PRE-INSTALLATION CONFERENCE

- A. Convene one week prior to commencing work of this Section, under provisions of Section 01039.

1.11 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, protect and handle products to site under provisions of Section 01600.
- B. Handle work of this section in accordance with AAMA - Curtain Wall Manual #10.
- C. Protect pre-finished aluminum surfaces with [wrapping] [stripable coating]. Do not use adhesive papers or sprayed coatings which bond when exposed to sunlight or weather.

1.12 ENVIRONMENTAL REQUIREMENTS

- A. Do not install sealants when ambient temperature is less than 40 degrees F during and 48 hours after installation.

1.13 FIELD MEASUREMENTS

- A. Verify that field measurements are as indicated on shop drawings and as instructed by the manufacturer.

1.14 COORDINATION

- A. Coordinate Work under provisions of Section 01039.

Refurbishment of Jefferson County Health Clinic

1.15 WARRANTY

- A. Provide three year warranty under provisions of Section 01700.
- B. Warranty: Include coverage for complete system for failure to meet specified requirements.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Kawneer TriFab 450 or equal.
- B. Substitutions: Under provisions of Section 01600.

2.2 COMPONENTS

- A. Frame: 2 x 4 1/2 inch nominal dimension; flush glazing stops; drainage holes; internal weep drainage system.
- B. Doors: 2 inches thick, 4 inch wide top rail, 4 inch wide vertical stiles, 8 inch wide bottom rail; square glazing stops.
- C. Flashings: Aluminum, finish to match mullion sections where exposed.

2.3 GLASS AND GLAZING MATERIALS

- A. Glass and Glazing Materials: As specified in Section 08800 of Types described below:
 - 1. Glass in Exterior Lights: Type [_____].
 - 2. Glass in Door Lights: Type [_____].

2.4 SEALANT MATERIALS

- A. Sealant and Backing Materials: As specified in Section 07900 of Types described below.
 - 1. Perimeter Sealant: Type PNS.
 - 2. Sealant Used Within System (Not Used for Glazing): Type PNS.

2.5 HARDWARE

- A. Weather Stripping, Sill Sweep Strips, Thresholds, Hinges, Push/Pull Handles, Closer: Manufacturers standard type to suit application, finish to match mullion system.

2.6 FABRICATION

- A. Fabricate components with minimum clearances and shim spacing around perimeter of assembly, yet enabling installation and dynamic movement of perimeter seal.
- B. Accurately fit and secure joints and corners. Make joints flush, hairline, and weatherproof.
- C. Prepare components to receive anchor devices. Fabricate anchors.
- D. Arrange fasteners and attachments to conceal from view.

Refurbishment of Jefferson County Health Clinic

2.7 FINISHES

- A. Finish coatings to conform to AAMA 603.8.
- B. Exterior Exposed Aluminum Surfaces: AAMA A41 anodized to 215-R1 thickness, prepared with a chemical pre-treatment, anodized to dark bronze color.
- C. Interior Exposed Aluminum Surfaces: Interior anodized to dark bronze color, to 0.0007 inch thickness.
- D. Concealed Steel Items: Galvanized in accordance with ANSI/ASTM A386 to 2.0 oz/sq ft.
- E. Apply one coat of bituminous paint to concealed aluminum and steel surfaces in contact with cementitious or dissimilar materials.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify site opening conditions under provisions of Section 01039.
- B. Verify dimensions, tolerances, and method of attachment with other work.
- C. Verify wall openings and adjoining air and vapor seal materials are ready to receive work of this Section.

3.2 INSTALLATION

- A. Install wall system in accordance with manufacturer's instructions.
- B. Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities.
- C. Provide alignment attachments and shims to permanently fasten system to building structure.
- D. Align assembly plumb and level, free of warp or twist. Maintain assembly dimensional tolerances, [aligning with adjacent work].
- E. Provide thermal isolation where components penetrate or disrupt building insulation.
- F. Install sill flashings.
- G. Coordinate attachment and seal of perimeter air and vapor barrier materials.
- H. Pack fibrous insulation in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.
- I. Install flashings.
- J. Set thresholds in bed of mastic and secure.
- K. Install hardware using templates provided.
- L. Install glass in accordance with Section 08800, to glazing method required to achieve performance criteria.
- M. Install perimeter sealant to method required to achieve performance criteria, backing materials, and installation criteria in accordance with Section 07900.

3.3 TOLERANCES

- A. Maximum Variation from Plumb: 0.06 inches every 3 ft non-cumulative or 1/16 inches per

Refurbishment of Jefferson County Health Clinic

10 ft, whichever is less.

- B. Maximum Misalignment of Two Adjoining Members Abutting in Plane: 1/32 inch.

3.4 ADJUSTING

- A. Adjust work under provisions of Section 01700.
- B. Adjust operating hardware [and sash] for smooth operation.

3.5 CLEANING

- A. Clean work under provisions of 01700.
- B. Remove protective material from pre-finished aluminum surfaces.
- C. Wash down surfaces with a solution of mild detergent in warm water, applied with soft, clean wiping cloths. Take care to remove dirt from corners. Wipe surfaces clean.
- D. Remove excess sealant by method acceptable to sealant manufacturer.

3.6 PROTECTION OF FINISHED WORK

- A. Protect finished Work under provisions of Section 01500.
- B. Protect finished Work from damage.

END OF SECTION 08410

Refurbishment of Jefferson County Health Clinic**SECTION 08710**
DOOR HARDWARE**PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Hardware for wood and aluminum doors.
- B. Thresholds.
- C. Weatherstripping, seals and door gaskets.

1.2 PRODUCTS FURNISHED BUT NOT INSTALLED UNDER THIS SECTION

- A. Section 08111 - Standard Steel Doors: Furnish templates for door preparation.
- B. Section 08211 - Flush Wood Doors: Furnish templates for door preparation.
- C. Section 08410 - Aluminum Entrances and Storefronts: Furnish lock cylinders for installation.

1.3 RELATED SECTIONS

- A. Section 06200 - Finish Carpentry: Wood door frames.
- B. Section 08111 - Standard Steel Doors.
- C. Section 08112 - Standard Steel Frames.
- D. Section 08211 - Flush Wood Doors.
- E. Section 08341 - Overhead Coiling Grilles: Lockable coiling grilles.
- F. Section 08410 - Aluminum Entrances and Storefronts: Hardware for same except cylinders.

1.4 REFERENCES

- A. Americans with Disabilities Act.
- B. ANSI A117.1 - Specifications for Making Buildings and Facilities Accessible to and Useable by Physically Handicapped People.
- C. State of Texas Handicap Accessibility Standards.
- D. NFPA 80 - Fire Doors and Windows.
- E. AWI - Architectural Woodwork Institute - Quality Standards.
- F. NFPA 101 - Code for Safety to Life from Fire in Buildings and Structures.
- G. NFPA 252 - Fire Tests of Door Assemblies.
- H. UL 10B - Fire Tests of Door Assemblies.
- I. UL 305 - Panic Hardware.

1.5 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Submit manufacturer's parts lists, and templates.
- C. Samples: Submit 1 sample of all hardware items, illustrating style, color, and finish.
- D. Samples: Will be returned to supplier.

Refurbishment of Jefferson County Health Clinic

- E. Manufacturer's Installation Instructions.
- F. Certification: Submit notarized certification indicating that hardware furnished for labeled doors and doors requiring physically handicapped access complies with requirements of governing authorities applicable regulations.

1.6 PROJECT RECORD DOCUMENTS

- A. Submit under provisions of Section 01700.
- B. Record actual locations of installed cylinders and their master key code.

1.7 OPERATION AND MAINTENANCE DATA

- A. Submit under provisions of Section 01700.
- B. Maintenance Data: Include data on operating hardware, lubrication requirements, and inspection procedures related to preventative maintenance.

1.8 QUALITY ASSURANCE

- A. Perform work in accordance with the following requirements:
 - 1. Americans with Disabilities Act.
 - 2. ANSI A117.1 - Specifications for Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People.
 - 3. NFPA 101.
 - 4. NFPA 80.
 - 5. NFPA 252.
 - 6. Elimination of Architectural Barriers Act of Texas, Article 7, Article 601b, Rules 115.51 through 115.61 and Rule 115.62.

1.9 QUALIFICATIONS

- A. Hardware Manufacturer: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.
- B. Hardware Supplier: Company specializing in supplying commercial door hardware with three years documented experience.
- C. Hardware Supplier Personnel: Employ an Architectural Hardware Consultant (AHC) to assist in the work of this section.

1.10 REGULATORY REQUIREMENTS

- A. Provide locks for new doors to match standard configuration requirements of Jefferson County for door hardware.
- B. Products Requiring Electrical Connection: Listed and classified by Underwriters' Laboratories, Inc., as suitable for the purpose specified and indicated.

1.11 PRE-INSTALLATION CONFERENCE

- A. Convene two weeks prior to commencing work of this section, under provisions of Section 01039.

Refurbishment of Jefferson County Health Clinic**1.12 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver, store, protect and handle products to site under provisions of Section 01600.
- B. Package hardware items individually; label and identify each package with door opening code to match hardware schedule.
- C. Deliver keys to Owner by security shipment direct from hardware supplier.

1.13 COORDINATION

- A. Coordinate work under provisions of Section 01039.
- B. Coordinate the work with other directly affected sections involving manufacture or fabrication of internal reinforcement for door hardware.

1.14 WARRANTY

- A. Provide one year warranty under provisions of Section 01700.
- B. Warranty: Include coverage for latch and lock sets, and door closers.

1.15 MAINTENANCE MATERIALS

- A. Provide maintenance materials under provisions of 01700.
- B. Provide special wrenches and tools applicable to each different or special hardware component.
- C. Provide maintenance tools and accessories supplied by hardware component manufacturer.

PART 2 PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Hinges: Hager, McKinney, and Stanley.
- B. Pivots: Hager, McKinney, and Stanley.
- C. Lock / Latch Sets (New Doors): Sargent, Schlage, and Yale.
- D. Lock / Latch Sets (Existing Doors): Quikset or equal.
- E. Push/Pulls: Trego.
- F. Cylinder Locks: Sargent, Schlage, and Yale.
- G. Door Closers: LCN, Rixson, and Sargent.
- H. Gasketing and Thresholds: Zero, Pemko and National Guard Products.
- I. Substitutions: Under provisions of Section 01600.

2.2 FINISHES

- A. Finishes: Match existing.

Refurbishment of Jefferson County Health Clinic

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify site conditions under provisions of Section 01039.
- B. Verify that doors and frames are ready to receive work and dimensions are as instructed by the hardware manufacturer.

3.2 INSTALLATION

- A. Install hardware in accordance with manufacturer's instructions.
- B. Mounting heights for hardware shall comply with requirements of the Texas Accessibility Standards and the Americans with Disabilities Act.

3.3 ADJUSTING

- A. Adjust work under provisions of Section 01700.
- B. Adjust hardware for smooth operation.

3.4 PROTECTION OF FINISHED WORK

- A. Protect finished Work under provisions of Section 01500.
- B. Do not permit adjacent work to damage hardware or finish.

END OF SECTION 08710

Refurbishment of Jefferson County Health Clinic

SECTION 08800
GLAZING**PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Glass and glazing for sections referencing this section for Products and installation.

1.2 RELATED SECTIONS

- A. Section 07900 - Joint Sealers: Sealant and back-up material.
- B. Section 08410 - Aluminum Entrances and Storefronts.
- C. Section 10800 - Toilet and Bath Accessories: Framed Mirrors.

1.3 REFERENCES

- A. ANSI Z97.1 - Safety Performance Specifications and Methods of Test for Safety Glazing Used in Buildings.
- B. ASTM C669 - Glazing Compounds for Back Bedding and Face Glazing of Metal Sash.
- C. ASTM C804 - Use of Solvent-Release Type Sealants.
- D. ASTM C864 - Dense Elastomeric Compression Seal Gaskets, Setting Blocks, and Spacers.
- E. ASTM C920 - Elastomeric Joint Sealants.
- F. ASTM C1036 - Flat Glass.
- G. ASTM C1048 - Heat-Treated Flat Glass - Kind HS, Kind FT Coated and Uncoated Glass.
- H. ASTM C1172 - Laminated Architectural Safety Glass.
- I. ASTM E84 - Surface Burning Characteristics of Building Materials.
- J. ASTM E283 - Test Method For Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors.
- K. ASTM E330 - Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.
- L. ASTM E546 - Test Method For Frost Point of Sealed Insulating Glass Units.
- M. ASTM E576 - Test Method For Dew/Frost Point of Sealed Insulating Glass Units in Vertical Position.
- N. ASTM E773 - Test Method for Seal Durability of Sealed Insulating Glass Units.
- O. ASTM E774 - Sealed Insulating Glass Units.
- P. FGMA - Glazing Manual.
- Q. FGMA - Sealant Manual.
- R. Laminators Safety Glass Association - Standards Manual.
- S. SIGMA - Sealed Insulated Glass Manufacturers Association.

1.4 PERFORMANCE REQUIREMENTS

- A. Size glass to withstand dead loads and positive and negative live loads acting normal to plane of glass as calculated in accordance with applicable coastal wind load code requirements.
- B. Limit glass deflection to 1/200 or flexure limit of glass with full recovery of glazing materials, whichever is less.

Refurbishment of Jefferson County Health Clinic

1.5 SUBMITTALS FOR REVIEW

- A. Section 01300 - Submittals: Procedures for submittals.
- B. Product Data on Glass Types: Provide structural, physical and environmental characteristics, size limitations, special handling or installation requirements.
- C. Product Data on Glazing Compounds: Provide chemical, functional, and environmental characteristics, limitations, special application requirements. Identify available colors.

1.6 SUBMITTALS FOR INFORMATION

- A. Section 01300 - Submittals: Procedures for submittals.
- B. Certificates: Certify that Products meet or exceed [specified requirements.
- C. Manufacturer's Certificate: Certify that sealed insulated glass, meets or exceeds [specified requirements.

1.7 QUALITY ASSURANCE

- A. Perform Work in accordance with FGMA Glazing Manual for glazing installation methods utilized.
- B. Installer Qualifications: Company specializing in performing the work of this section with minimum three (3) years documented experience and approved by system manufacturer.

1.8 PRE-INSTALLATION MEETING

- A. Section 01039 - Coordination and Meetings: Convene Pre-installation meeting one week before starting work of this section.

1.9 ENVIRONMENTAL REQUIREMENTS

- A. Section 01600 - Material and Equipment: Environmental conditions affecting products on site.
- B. Do not install glazing when ambient temperature is less than 50 degrees F.
- C. Maintain minimum ambient temperature before, during and 24 hours after installation of glazing compounds.

1.10 WARRANTY

- A. Section 01700 - Contract Closeout.
- B. Provide a five (5) year warranty to include coverage for sealed glass units from seal failure, interpane dusting or misting, and replacement of same.

PART 2 PRODUCTS

2.1 FLAT GLASS MATERIALS

- A. Float Glass (Type FG-A): Clear, 1/4 inch thick.

2.2 SEALED INSULATING GLASS MATERIALS

- A. Insulated Glass Units - Low E (Type SG-B): ASTM E774 and E773; double pane with silicone sealant edge seal; outer pane of SG-A glass, inner pane of Low E glass on clear glass cover plate, purge interpane space with dry hermetic air; total unit thickness of 1 inch minimum.

Refurbishment of Jefferson County Health Clinic

2.3 GLAZING COMPOUNDS

- A. Modified Oil (Type GC-A): ASTM C669, non-hardening, knife grade consistency; Grey color.
- B. Butyl Sealant (Type GC-B): ASTM C920; single Component; Shore A hardness of 10 to 20 black color; non-skinning.
- C. Acrylic Sealant (Type GC-C): ASTM C920, Type S, Grade NS; single component, solvent curing, non-bleeding; cured Shore A hardness of 15 to 25; color as selected.
- D. Polysulfide Sealant (Type GC-D): ASTM C920, Type M, Grade NS; two component; chemical curing, non-sagging type; cured Shore A hardness of 15 to 25; color as selected.
- E. Polyurethane Sealant (Type GC-E): ASTM C920, Type S, Grade NS; single component, chemical curing, non-staining, non-bleeding, Shore A Hardness Range 20 to 35; color as selected.
- F. Silicone Sealant (Type GC-F): ASTM C920, Type S, Grade NS; single component; solvent curing; capable of water immersion without loss of properties; non-bleeding, non-staining, cured Shore A hardness of 15 to 25; color as selected.

2.4 GLAZING ACCESSORIES

- A. Setting Blocks: As recommended by system manufacturer.
- B. Spacer Shims: As recommended by system manufacturer.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that openings for glazing are correctly sized and within tolerance.
- B. Verify that surfaces of glazing channels or recesses are clean, free of obstructions that may impede moisture movement, weeps are clear, and ready to receive glazing.

3.2 PREPARATION

- A. Clean contact surfaces with solvent and wipe dry.
- B. Seal porous glazing channels or recesses with substrate compatible primer or sealer.
- C. Prime surfaces scheduled to receive sealant.
- D. Install sealant in accordance with manufacturer's instructions.

3.3 MANUFACTURER'S FIELD SERVICES

- A. Glass and glazing product manufacturers to provide field surveillance of the installation of their Products.
- B. Monitor and report installation procedures and unacceptable conditions.

3.4 CLEANING

- A. Section 01700 - Contract Closeout: Cleaning installed work.
- B. Remove glazing materials from finish surfaces.
- C. Remove labels after Work is complete.
- D. Clean glass and adjacent surfaces.

3.5 PROTECTION OF FINISHED WORK

- A. Section 01700 - Contract Closeout: Protecting installed work.

Refurbishment of Jefferson County Health Clinic

- B. After installation, mark pane with an 'X' by using removable plastic tape or paste. Do not mark heat absorbing or reflective glass units.

END OF SECTION 08800

Refurbishment of Jefferson County Health Clinic

SECTION 09215
VENEER PLASTER**PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Gypsum backing board.
- B. Veneer plaster, two coat application over sheet gypsum surfaces.

1.2 RELATED SECTIONS

- A. Section 09260 - Gypsum Board Systems: Gypsum backing board substrate.

1.3 REFERENCES

- A. ANSI/ASTM C442 - Gypsum Backing Board.
- B. ANSI/ASTM C587 - Gypsum Veneer Plaster.
- C. ANSI/ASTM C588 - Gypsum Base for Veneer Plasters.
- D. ANSI/ASTM C631 - Bonding Compounds for Interior Plastering.
- E. ASTM C665 - Mineral Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.
- F. ANSI/ASTM C843 - Application of Gypsum Veneer Plaster.
- G. ANSI/ASTM C844 - Application of Gypsum Base to Receive Gypsum Veneer Plaster.
- H. ANSI/ASTM E90 - Laboratory Measurement of Sound Transmission Loss of Building Partitions.
- I. ANSI/ASTM E119 - Methods for Fire Tests of Building Construction and Materials.
- J. GA 150 - Application of Gypsum Base for Gypsum Veneer Plasters and Application of Gypsum Veneer Plaster.
- K. GA 216 - Recommended Specifications for the Application and Finishing of Gypsum Board.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Provide data on veneer plaster products.
- C. Samples: Submit two sample panels, 12x12 inch in size illustrating veneer finish and texture.
- D. Manufacturer's Certificate: Certify that Products meet or exceed specified requirements.

1.5 QUALITY ASSURANCE

- A. Perform Work in accordance with the following:
 - 1. Apply gypsum backing board in accordance with ANSI/ASTM C844 and GA 216.

1.6 ENVIRONMENTAL REQUIREMENTS

- A. Do not apply veneer plaster when substrate or ambient air temperature is less than 50 degrees F nor more than 80 degrees F; for 24 hours prior to, during operations and after, until building heating system can maintain the above minimum temperature.

Refurbishment of Jefferson County Health Clinic

PART 2 PRODUCTS

2.1 MATERIALS

- A. Gypsum Veneer Plaster: ANSI/ASTM C587.
- B. Gypsum Backing Board: ANSI/ASTM C588, standard type; 1/2 inch thick, 24x96 inch sheet size; tapered edges, ends square.
- C. Gypsum Board Metal Accessories: GA 216.
- D. Reinforcing Tape, Joint Compound, Adhesive, Water, Fasteners: GA 216.
- E. Bond Coat: ANSI/ASTM C631, vinyl polymer type.

2.2 MIX DESIGN

- A. Develop plaster mix in accordance with manufacturer's instructions.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify gypsum board substrate is flat, joints are taped and sanded, and surface is ready to receive work of this Section. Verify joint and surface perimeter accessories are in place.

3.2 PREPARATION

- A. Clean surfaces of dust or loose matter.
- B. Remove projections greater than 1/8 inch and fill depressions greater than 1/4 inch with Portland cement mortar.

3.3 INSTALLATION - GYPSUM BACKING BOARD

- A. Install gypsum backing board in accordance with GA 216.
- B. Use drywall screws to fasten gypsum board to framing substrate.
- C. Single Layer:
 - 1. Erect gypsum board horizontal, with ends and edges occurring over firm bearing.
- D. Tape, fill, and sand filled joints, edges, corners, openings, and fixings to produce surface ready to receive veneer finish.
- E. Feather coats onto adjoining surfaces so that joint camber is maximum 1/32 inch.

3.4 ERECTION TOLERANCES

- A. Maximum Variation From Specified Thickness: Plus or minus 1/64 inch.

3.5 PROTECTION OF FINISHED WORK

- A. Protect finished Work under provisions of Section 01500.
- B. Do not permit traffic near unprotected finished surfaces.

END OF SECTION 09215

Refurbishment of Jefferson County Health Clinic

SECTION 09260
GYPSUM BOARD SYSTEMS**PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Gypsum board.
- B. Gypsum sheathing.
- C. Taped and sanded joint treatment.
- D. Texture finish.

1.2 RELATED SECTIONS

- A. Section 06114 - Wood Blocking and Curbing: Wood blocking.
- B. Section 08112 - Standard Steel Frames.
- C. Section 09111 - Metal Stud Framing System.
- D. Section 09900 - Painting: Surface finish.

1.3 REFERENCES

- A. ASTM C36 - Gypsum Wallboard.
- B. ASTM C79 - Gypsum Sheathing Board.
- C. ASTM C442 - Gypsum Backing Board and Core Board.
- D. ASTM C475 - Joint Treatment Materials for Gypsum Wallboard Construction.
- E. ASTM C514 - Nails for the Application of Gypsum Wallboard.
- F. ASTM C557 - Adhesive for Fastening Gypsum Wallboard to Wood Framing.
- G. ASTM C630 - Water Resistant Gypsum Backing Board.
- H. ASTM C645 - Non-Load (Axial) Bearing Steel Studs, Runners (Track), and Rigid Furring Channels for Screw Application of Gypsum Board.
- I. ASTM C665 - Mineral Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.
- J. ASTM C754 - Installation of Framing Members to Receive Screw Attached Gypsum Wallboard, Backing Board, or Water Resistant Backing Board.
- K. ASTM C840 - Application and Finishing of Gypsum Board.
- L. ASTM C931 - Exterior Gypsum Soffit Board.
- M. ASTM C1002 - Steel Drill Screws for the Application of Gypsum Board.
- N. ASTM E90 - Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions.
- O. ASTM E119 - Fire Tests of Building Construction and Materials.
- P. GA-201 - Gypsum Board for Walls and Ceilings.
- Q. GA-216 - Recommended Specifications for the Application and Finishing of Gypsum Board.
- R. GA-600 - Fire Resistance Design Manual.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Provide data on metal framing, gypsum board and joint tape.

Refurbishment of Jefferson County Health Clinic

1.5 QUALITY ASSURANCE

- A. Perform Work in accordance with ASTM C840, GA-201, GA-216 and GA-600.

PART 2 PRODUCTS

2.1 FRAMING MATERIALS

- A. Studs and Tracks: ASTM C645; GA-216 and GA-600; galvanized sheet steel, 25 gage thick, C shape, with knurled faces.
- B. Furring, Framing and Accessories: ASTM C645, GA-216, and GA-600.
- C. Fasteners: ASTM C514.
- D. Anchorage to Substrate: Screws and other metal supports, of type and size to suit application; to rigidly secure materials in place.
- E. Adhesive: ASTM C557.

2.2 GYPSUM BOARD MATERIALS

- A. Standard Gypsum Board: ASTM C36; 5/8 inch thick, maximum permissible length; ends square cut, tapered edges.
- B. Gypsum Backing Board: ASTM C442; standard type; 1/2 inch thick; V-grooved edges, ends square cut, maximum permissible length.
- C. Gypsum Sheathing Board: ASTM C79; moisture resistant [and fire resistant] type; 1/2 inch thick, maximum permissible length; ends square cut, book tongue and grooved edges; water repellent paper faces.

2.3 ACCESSORIES

- A. Acoustical Insulation: ASTM C665; preformed glass fiber, friction fit type, unfaced, 2 1/2 inch thick.
- B. Acoustical Sealant: Non-hardening, non-skinning, for use in conjunction with gypsum board.
- C. Corner Beads: Metal.
- D. Edge Trim: GA 201 and GA 216; Type L bead.
- E. Joint Materials: ASTM C475; reinforcing tape, joint compound, adhesive, and water.
- F. Textured Finish Materials: Latex based texturing material.
- G. Fasteners: ASTM C1002, Type S12 and GA-216.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that site conditions are ready to receive work and opening dimensions are as instructed by the manufacturer.

3.2 METAL STUD INSTALLATION

- A. Install studs in accordance with ASTM C754.
- B. Metal Stud Spacing: 24 inches on center.
- C. Refer to Drawings for indication of partitions extending to finished ceiling only and for partitions extending through the ceiling to the structure above. Maintain clearance under structural building members to avoid deflection transfer to studs. Provide extended leg ceiling runners.

Refurbishment of Jefferson County Health Clinic

- C. Door Opening Framing: Install unpunched double studs at door frame jambs.
- D. Blocking: Bolt or screw steel channels to studs. Install blocking for support of plumbing fixtures, wall cabinets, toilet accessories and hardware.

3.3 CEILING FRAMING INSTALLATION

- A. Install in accordance with ASTM C754.
- B. Coordinate location of hangers with other work.
- C. Install ceiling framing independent of walls, columns, and above ceiling work.
- D. Reinforce openings in ceiling suspension system which interrupt main carrying channels or furring channels, with lateral channel bracing. Extend bracing minimum 24 inches past each end of openings.
- E. Laterally brace entire suspension system.

3.4 GYPSUM BOARD INSTALLATION

- A. Install gypsum board in accordance with GA-201, GA-216 and GA-600.
- B. Erect single layer standard gypsum board vertical, with ends and edges occurring over firm bearing.
- C. Erect exterior gypsum sheathing horizontally, with edges butted tight and ends occurring over firm bearing.
- D. Use screws when fastening gypsum board to metal furring or framing.

3.5 JOINT TREATMENT

- A. Tape, fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes.
- B. Feather coats onto adjoining surfaces so that camber is maximum 1/32 inch.
- C. Taping, filling, and sanding is not required at surfaces behind adhesive applied ceramic tile.
- D. Tape joints and corners of cementitious backing board.

3.6 TEXTURE FINISH

- A. Roller apply light eggshell finish texture coating in accordance with manufacturer's instructions.

3.7 TOLERANCES

- A. Maximum Variation of Finished Gypsum Board Surface from True Flatness: 1/8 inch in 10 feet in any direction.

END OF SECTION 09260

Refurbishment of Jefferson County Health Clinic

SECTION 09511
SUSPENDED ACOUSTICAL CEILINGS**PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Suspended metal grid ceiling system and perimeter trim.
- B. Acoustical panels.
- C. Non-fire rated assembly.
- D. Supplementary acoustical insulation over system units.

1.2 RELATED SECTIONS

- A. Section 09260 - Gypsum Board Systems
- B. Section 07213 - Batt and Blanket Insulation.

1.3 REFERENCES

- A. ASTM C635 - Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings.
- B. ASTM C636 - Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels.
- C. ASTM C665 - Mineral Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.
- D. ASTM E580 - Practice for Application of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Requiring Seismic Restraint.
- E. ASTM E1264 - Classification of Acoustical Ceiling Products.
- F. Ceilings and Interior Systems Contractors Association (CISCA) - Acoustical Ceilings: Use and Practice.
- G. UL - Fire Resistance Directory and Building Material Directory.

1.4 SYSTEM DESCRIPTION

- A. Design suspension system to rigidly secure acoustical ceiling system including integral mechanical and electrical components with maximum deflection of 1/360.

1.5 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Shop Drawings: Indicate grid layout and related dimensioning, junctions with other work or ceiling finishes, interrelation of mechanical and electrical items related to system.
- C. Product Data: Provide data on metal grid system components, acoustical units and acoustical insulation.
- D. Samples: Submit two samples 6 x 6 inch in size, illustrating material and finish of acoustical units.
- E. Samples: Submit two samples each, 12 inches long, of suspension system main runner, cross runner, edge trim, and other miscellaneous exposed grid accessories.
- F. Manufacturer's Installation Instructions: Indicate special procedures, and perimeter conditions requiring special attention.

Refurbishment of Jefferson County Health Clinic

1.6 QUALIFICATIONS

- A. Grid Manufacturer: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.
- B. Acoustical Unit Manufacturer: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.

1.7 REGULATORY REQUIREMENTS

- A. Conform to applicable code for fire rated assembly and combustibility requirements for materials.

1.8 ENVIRONMENTAL REQUIREMENTS

- A. Maintain uniform temperature of minimum 60 degrees F, and maximum humidity of 40 percent prior to, during, and after acoustical unit installation.

1.9 SEQUENCING

- A. Sequence work under the provisions of Section 01039.
- B. Sequence work to ensure acoustical ceilings are not installed until building is enclosed, sufficient heat is provided, dust generating activities have terminated, and overhead work is completed, tested, and approved.
- C. Install acoustical units after interior wet work is dry.

PART 2 PRODUCTS

2.1 SUSPENSION SYSTEM MATERIALS

- A. Non-fire Rated Grid: ASTM C635, intermediate duty; exposed T; components die cut and interlocking, 15/16 inch width, color: White.
- B. Grid Materials: Commercial quality cold rolled steel with galvanized coating.
- C. Exposed Grid Surface Width: 15/16 inch.
- D. Grid Finish: White.
- E. Accessories: Stabilizer bars, clips, splices, edge moldings as required for suspended grid system.
- F. Support Channels and Hangers: Galvanized steel; size and type to suit application and ceiling system flatness requirement specified.

2.2 ACOUSTICAL UNIT MATERIALS

- A. Acoustical Panels: ASTM E1264, conforming to the following:
 - 1. Size: 24 x 48 inches.
 - 2. Thickness: 5/8 inches.
 - 3. Composition: Mineral.
 - 4. Edge: Square.
 - 5. Surface Color: White.
 - 6. Surface Finish: Match Jefferson County Standard Tile.

Refurbishment of Jefferson County Health Clinic

2.3 ACCESSORIES

- A. Acoustical Batt Insulation: ASTM C665, friction fit type, unfaced; 2 inch thick, size cut to fit acoustical system.
- B. Touch-up Paint: Type and color to match acoustical and grid units.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify site conditions under provisions of Section 01039.
- B. Verify that layout of hangers will not interfere with other work.

3.2 INSTALLATION - LAY-IN GRID SUSPENSION SYSTEM

- A. Install suspension system in accordance with ASTM C636 and as supplemented in this section.
- B. Install system capable of supporting imposed loads to a deflection of 1/360 maximum.
- C. Locate system on room axis according to reflected plan.
- D. Install after major above ceiling work is complete. Coordinate the location of hangers with other work.
- E. Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are spliced, avoid visible displacement of face plane of adjacent members.
- F. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.
- G. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capability. Support fixture loads by supplementary hangers located within 6 inches of each corner; or support components independently.
- H. Do not eccentrically load system, or produce rotation of runners.
- I. Install edge molding at intersection of ceiling and vertical surfaces, using longest practical lengths. Miter corners. Provide edge moldings at junctions with other interruptions.

3.3 INSTALLATION - ACOUSTICAL UNITS

- A. Install acoustical units in accordance with manufacturer's instructions.
- B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.
- C. Install units after above ceiling work is complete.
- D. Install acoustical units level, in uniform plane, and free from twist, warp and dents.
- E. Cut panels to fit irregular grid and perimeter edge trim.
- F. Lay acoustical insulation for a distance of 48 inches either side of acoustical partitions.

3.4 ERECTION TOLERANCES

- A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.
- B. Maximum Variation from Plumb of Grid Members Caused by Eccentric Loads: 2 degrees.

END OF SECTION 09511

Refurbishment of Jefferson County Health Clinic

**SECTION 09650
RESILIENT FLOORING****PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Resilient tile flooring.
- B. Resilient base.

1.2 RELATED SECTIONS

- A. Section 03300 - Cast-in-Place Concrete: Floor substrate surface.

1.3 REFERENCES

- A. ASTM E84 - Surface Burning Characteristics of Building Materials.
- B. ASTM F1066 - Vinyl Composition Floor Tile.
- C. FS L-F-1641 - Floor Covering Translucent or Transparent Vinyl Surface with Backing.
- D. FS L-F-475 - Floor Covering, Vinyl Surface (Tile and Roll), with Backing.
- E. FS RR-T-650 - Treads, Metallic and Non-metallic, Non-skid.
- F. FS SS-W-40 - Wall Base: Rubber and Vinyl Plastic.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Shop Drawings: Indicate seaming plan, borders, and patterns as required to convey installation intent for material specified.
- C. Product Data: Provide data on specified products, describing physical and performance characteristics; sizes, patterns and colors available.
- D. Samples: Submit two samples, 12 x 12 inch in size illustrating color and pattern for each floor material for each color specified.
- E. Submit two 12 inch long samples of base material for each color specified.
- F. Manufacturer's Installation Instructions: Indicate special procedures, and perimeter conditions requiring special attention.

1.5 REGULATORY REQUIREMENTS

- A. Conform to applicable code for flame/smoke rating requirements in accordance with ASTM E84.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, protect and handle products to site under provisions of Section 01600.
- B. Protect roll materials from damage by storing [on end].

1.7 ENVIRONMENTAL REQUIREMENTS

- A. Store materials for three days prior to installation in area of installation to achieve temperature stability.

Refurbishment of Jefferson County Health Clinic

- B. Maintain ambient temperature required by adhesive manufacturer three days prior to, during, and 24 hours after installation of materials.

1.8 MAINTENANCE DATA

- A. Submit under provisions of Section 01700.
- B. Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.

PART 2 PRODUCTS

2.1 MATERIALS - TILE FLOORING

- A. Vinyl Composition Tile: ASTM F1066:
 - 1. Size: 12x12 inch
 - 2. Thickness: 1/8 inch
 - 3. Design: plain

2.2 MATERIALS - BASE

- A. Base: FS SS-W-40, Type I rubber; top set coved; premolded external corners:
 - 1. Height: 4 inch
 - 2. Thickness: 1/8 inch thick
 - 3. Length: Roll.
- B. Base Accessories: Premolded end stops and external corners, of same material, size, and color as base.

2.3 ACCESSORIES

- A. Subfloor Filler: White premix latex; type recommended by adhesive material manufacturer.
- B. Primers and Adhesives: Waterproof; types recommended by flooring manufacturer.
- C. Sealer and Wax: Types recommended by flooring manufacturer.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify concrete floors are dry to a maximum moisture content of 7 percent, and exhibit negative alkalinity, carbonization, or dusting.
- B. Verify floor and lower wall surfaces are free of substances that may impair adhesion of new adhesive and finish materials.

3.2 PREPARATION

- A. Remove sub-floor ridges and bumps. Fill minor or local low spots, cracks, joints, holes, and other defects with sub-floor filler to achieve smooth, flat, hard surface.
- B. Prohibit traffic until filler is cured.

Refurbishment of Jefferson County Health Clinic

- C. Vacuum clean substrate.
- D. Apply primer to floor surfaces.

3.3 INSTALLATION - TILE FLOORING

- A. Install in accordance with manufacturer's instructions.
- B. Mix tile from container to ensure shade variations are consistent when tile is placed.
- C. Spread only enough adhesive to permit installation of materials before initial set.
- D. Set flooring in place, press with heavy roller to attain full adhesion.
- E. Lay flooring with joints and seams parallel to building lines to produce symmetrical tile pattern.
- F. Install tile to basket weave pattern. Allow minimum 1/2 full size tile width at room or area perimeter.
- G. Terminate flooring at centerline of door openings where adjacent floor finish is dissimilar.
- H. Install resilient edge strips at unprotected or exposed edges, and where flooring terminates. Secure metal strips before installation of flooring with stainless steel screws.

3.4 INSTALLATION - BASE

- A. Fit joints tight and vertical. Maintain minimum measurement of 18 inches between joints.
- B. Miter internal corners. At external corners, use premolded units. At exposed ends, use premolded units.
- C. Install base on solid backing. Bond tight to wall and floor surfaces.
- D. Scribe and fit to door frames and other interruptions.

3.5 CLEANING

- A. Clean work under provisions of 01700.
- B. Remove access adhesive from floor, base, and wall surfaces without damage.
- C. Clean, seal, and wax floor and base surfaces in accordance with manufacturer's instructions.

3.6 PROTECTION OF FINISHED WORK

- A. Protect finished Work under provisions of Section 01500.
- B. Prohibit traffic on floor finish for 48 hours after installation.

END OF SECTION 09650

Refurbishment of Jefferson County Health Clinic

SECTION 09688
CARPET - GLUE DOWN**PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Carpet placed with glue down method.
- B. Base finish.
- C. Accessories.

1.2 RELATED SECTIONS

- A. Section 03300 - Cast-in-Place Concrete: Floor substrate surface.
- B. Section 06112 - Framing and Sheathing: Floor substrate surface.

1.3 ALLOWANCES

- A. Cash Allowance: Include under provisions of Section 01019.
- B. Allowance includes purchase and delivery of carpet; installation is included in this section and is part of the Contract Sum/Price.

1.4 REFERENCES

- A. ASTM D2859 - Test Method for Flammability of Finished Textile Floor Covering Materials.
- B. ASTM E84 - Surface Burning Characteristics of Building Materials.
- C. ASTM E648 - Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source.
- D. NFPA 253 - Test for Critical Radiant Flux of Floor Covering Systems.

1.5 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Shop Drawings: Indicate seaming plan, method of joining seams, and direction of carpet.
- C. Product Data: Provide data on specified products, describing physical and performance characteristics; sizes, patterns, colors available, and method of installation.
- D. Samples: Submit two samples 24 x 24 inch in size illustrating color and pattern for each carpet material specified.
- E. Submit two, 12 inch long samples of edge strip material for each color specified.
- F. Manufacturer's Installation Instructions: Indicate special procedures, and perimeter conditions requiring special consideration.

1.6 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing specified carpet with minimum three years experience.
- B. Material Supplier: Company specializing in supplying flooring material with minimum three years experience.
- C. Installer: Company specializing in installing carpet with minimum three years documented experience and approved by material supplier.

Refurbishment of Jefferson County Health Clinic

1.7 REGULATORY REQUIREMENTS

- A. Conform to applicable code for flame/smoke rating requirements in accordance with ASTM E84.

1.8 ENVIRONMENTAL REQUIREMENTS

- A. Store materials for 3 days prior to installation in area of installation to achieve temperature stability.
- B. Maintain minimum 70 degrees F ambient temperature 3 days prior to, during and 24 hours after installation.

1.9 MAINTENANCE DATA

- A. Submit under provisions of Section 01700.
- B. Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning.

PART 2 PRODUCTS

2.1 ACCESSORIES

- A. Sub-Floor Filler: White premix latex; type recommended by adhesive material manufacturer.
- B. Adhesive: Compatible with carpet material; type recommended by carpet manufacturer.
- C. Edge Strips: Vinyl reducer type, length: roll, color as selected.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that surfaces are smooth and flat with maximum variation of 1/4 inch in 10 ft, and are ready to receive work.
- B. Verify concrete floors are dry to a maximum moisture content of 7 percent; and exhibit negative alkalinity, carbonization, or dusting.

3.2 PREPARATION

- A. Remove sub-floor ridges and bumps. Fill minor or local low spots, cracks, joints, holes, and other defects with sub-floor filler.
- B. Apply, trowel, and float filler to achieve smooth, flat, hard surface. Prohibit traffic until filler is cured.
- C. Vacuum clean substrate.

3.3 INSTALLATION

- A. Apply carpet and adhesive in accordance with manufacturers' instructions.
- B. Verify carpet match before cutting to ensure minimal variation between dye lots.
- C. Double cut carpet, to allow intended seam and pattern match. Make cuts straight, true, and unfrayed.

Refurbishment of Jefferson County Health Clinic

- D. Locate seams in area of least traffic perpendicular to traffic flow.
- E. Join seams by hot adhesive tape method. Form seams straight, not overlapped or peaked, and free of gaps.
- F. Lay carpet tight and flat on subfloor, well fastened at edges, with a uniform appearance. Provide monolithic color, pattern, and texture match within any one area.
- G. Do not change run of pile in any room where carpet is continuous through a wall opening into another room. Locate change of color or pattern between rooms under door centerline.
- H. Cut and fit carpet around interruptions.
- I. Fit carpet tight to intersection with vertical surfaces without gaps.
- J. Where wall bases are scheduled, cut carpet tight to walls. Fit carpet tight to vertical interruptions, leaving no gaps.

3.4 CLEANING

- A. Clean work under provisions of 01700.
- B. Remove excess adhesive without damage, from floor, base, and wall surfaces.
- C. Clean and vacuum carpet surfaces.

END OF SECTION 09688

Refurbishment of Jefferson County Health Clinic

SECTION 09900
PAINTING**PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Surface preparation and field application of paints and coatings.

1.2 REFERENCES

- A. ASTM D16 - Definitions of Terms Relating to Paint, Varnish, Lacquer, and Related Products.
- B. ASTM D2016 - Test Method for Moisture Content of Wood.
- C. AWWA (American Water Works Association) - C204 - Chlorinated Rubber-Alkyd Paint Systems for the Exterior of Above Ground Steel Water Piping.
- D. NACE (National Association of Corrosion Engineers) - Industrial Maintenance Painting.
- E. NPCA (National Paint and Coatings Association) - Guide to U.S. Government Paint Specifications.
- F. PDCA (Painting and Decorating Contractors of America) - Painting - Architectural Specifications Manual.
- G. SSPC (Steel Structures Painting Council) - Steel Structures Painting Manual.

1.3 DEFINITIONS

- A. Conform to ASTM D16 for interpretation of terms used in this Section.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Provide data on all finishing products, including paint label analysis, certification of compliance with specifications, and application instructions for each material proposed for use as part of a finish system.
- C. Manufacturer's Instructions: Indicate special surface preparation procedures, and substrate conditions requiring special attention.
- D. Proposed Finish and Color Systems: Provide typewritten paint installation schedule listing paint manufacturer, paint type, tint name, gloss level and installed location.

1.5 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing the Products specified in this section with minimum three years experience.
- B. Applicator: Company specializing in performing the work of this section with minimum three years experience.

1.6 REGULATORY REQUIREMENTS

- A. Conform to applicable code for flame and smoke rating requirements for finishes.
- B. Conform to applicable VOC requirements for finishes.

Refurbishment of Jefferson County Health Clinic**1.7 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver, store, protect and handle products to site under provisions of Section 01600.
- B. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
- C. Container label to include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.
- D. Store paint materials at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.

1.8 ENVIRONMENTAL REQUIREMENTS

- A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.
- B. Do not apply exterior coatings during rain or snow, or when relative humidity is outside the humidity ranges required by the paint product manufacturer.
- C. Minimum Application Temperatures for Latex Paints: 45 degrees F for interiors; 50 degrees F for exterior; unless required otherwise by manufacturer's instructions.
- D. Minimum Application Temperature for Varnish and Speciality Finishes: 65 degrees F for interior or exterior, unless required otherwise by manufacturer's instructions.
- E. Provide lighting level of 80 ft candles measured mid-height at substrate surface.

1.9 CLOSE OUT REQUIREMENTS

- A. Furnish under provisions of Section 01700.
- B. Final Installed Finish and Color Systems: Provide typewritten paint installation schedule listing the following information for each material finish and color system:
 - 1. Installed finish location.
 - 2. Paint manufacturer
 - 3. Paint material quality line
 - 4. Paint material type
 - 5. Tint name or formulation in the case of colors not standard to material manufacturer.
 - 6. Sheen level.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers
 - 1. Pratt and Lambert.
 - 2. Sherwin Williams.
- B. Manufacturers - Primer Sealers: as recommended by manufacturer of primary finish materials.
- C. Manufacturers - Block Filler: as recommended by manufacturer of primary finish materials.
- D. Substitutions: Under provisions of Section 01600.

2.2 MATERIALS

- A. Coatings: Ready mixed. Process pigments to a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating; good flow and brushing

Refurbishment of Jefferson County Health Clinic

- properties; capable of drying or curing free of streaks or sags.
- B. Accessory Materials: Linseed oil, shellac, turpentine, paint thinners and other materials not specifically indicated but required to achieve the finishes specified, of commercial quality.
 - C. Patching Materials: Latex filler.
 - D. Fastener Head Cover Materials: Latex filler.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify site conditions under provisions of Section 01039.
- B. Verify that surfaces and substrate conditions are ready to receive work as instructed by the product manufacturer.
- C. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.
- D. Test shop applied primer for compatibility with subsequent cover materials.
- E. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces are within the primary material manufacturer's recommended limits.

3.2 PREPARATION

- A. Remove electrical plates, hardware, light fixture trim, escutcheons, and fittings prior to preparing surfaces or finishing.
- B. Correct defects and clean surfaces which affect work of this section. Remove existing coatings that exhibit loose surface defects.
- C. Seal with shellac and seal marks which may bleed through surface finishes.
- D. Impervious Surfaces: Remove mildew by scrubbing with solution of tri-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.
- E. Gypsum Board Surfaces: Fill minor defects with filler compound. Spot prime defects after repair.
- F. Plaster Surfaces: Fill hairline cracks, small holes, and imperfections with latex patching plaster. Make smooth and flush with adjacent surfaces. Wash and neutralize high alkali surfaces.
- G. Shop Primed Steel Surfaces: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces. Prime metal items including shop primed items.
- H. Interior Wood Items Scheduled to Receive Paint Finish: Wipe off dust and grit prior to priming. Seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after primer has dried; sand between coats.
- I. Interior Wood Items Scheduled to Receive Transparent Finish: Wipe off dust and grit prior to sealing, seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after sealer has dried; sand lightly between coats.
- J. Wood and Metal Doors Scheduled for Painting: Seal top and bottom edges with primer.

3.3 APPLICATION

- A. Apply products in accordance with manufacturer's instructions.
- B. Do not apply finishes to surfaces that are not dry.
- C. Apply each coat to uniform finish.

Refurbishment of Jefferson County Health Clinic

- D. Apply each coat of paint slightly darker than preceding coat unless otherwise approved.
- E. Sand substrate lightly between coats to achieve required finish.
- F. Vacuum clean surfaces free of loose particles. Use tack cloth just prior to applying next coat.
- G. Allow applied coat to dry before next coat is applied.
- H. Where clear finishes are required, tint fillers to match wood. Work fillers into the grain before set. Wipe excess from surface.
- I. Prime concealed surfaces of interior and exterior woodwork with primer paint.
- J. Prime concealed surfaces of interior woodwork scheduled to receive stain or varnish finish with gloss varnish reduced 25 percent with mineral spirits.

3.4 FINISHING MECHANICAL AND ELECTRICAL EQUIPMENT

- A. Refer to Division 15 and Division 16 for schedule of color coding and identification banding of equipment, duct work, piping, and conduit.
- B. Paint shop primed equipment. Paint shop prefinished items occurring at interior areas.
- C. Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.
- D. Prime and paint insulated and exposed pipes, conduit, boxes, insulated and exposed ducts, hangers, brackets, collars and supports except where items are prefinished.
- E. Paint interior surfaces of air ducts, and convector and baseboard heating cabinets that are visible through grilles and louvers with one coat of flat black paint, to visible surfaces. Paint dampers exposed behind louvers, grilles, and convector and baseboard cabinets to match face panels.
- F. Paint exposed conduit and electrical equipment occurring in finished areas.
- G. Paint both sides and edges of plywood backboards for electrical and telephone equipment before installing equipment.
- H. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

3.5 FIELD QUALITY CONTROL

- A. Field inspection and testing will be performed under provisions of Section 01400.
- B. Test questionable coated areas in accordance with primary material specified testing manufacturer's requirements.

3.6 CLEANING

- A. Clean work under provisions of 01700.
- B. Collect waste material which may constitute a fire hazard, place in closed metal containers and remove daily from site.

3.7 SCHEDULE - EXTERIOR SURFACES

- A. Pavement Markings:
 - 1. Two coats of acrylic traffic marking paint, white.
- B. Cement Plaster:
 - 1. One coat of primer sealer, alkyd.
 - 2. Two coats of alkyd, semi-gloss.

Refurbishment of Jefferson County Health Clinic

- C. Steel - Shop Primed:
 - 1. Touch-up with zinc chromate primer.
 - 2. Two coats of alkyd enamel, semi-gloss.

3.8 SCHEDULE - INTERIOR SURFACES

- A. Wood - Painted:
 - 1. One coat of latex prime sealer.
 - 2. Two coats of latex enamel, gloss.
- B. Wood - Transparent:
 - 1. Filler coat (for open grained wood only).
 - 2. One coat of stain.
 - 3. One coat sealer.
 - 4. Two coats of varnish, satin.
- C. Cabinet Interior:
 - 1. One coat of latex prime sealer.
 - 2. One coat of latex enamel, semi-gloss.
- D. Plaster, Gypsum Board:
 - 1. One coat of alkyd primer sealer.
 - 2. Two coats of latex acrylic enamel, eggshell.

END OF SECTION 09900

Refurbishment of Jefferson County Health Clinic**SECTION 10800
TOILET AND BATH ACCESSORIES****PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Toilet accessories.
- B. Grab bars.
- C. Attachment hardware.

1.2 REFERENCES

- A. American's with Disabilities Act.
- B. State of Texas Handicap Accessibility Standards.
- C. ANSI A117.1 - Safety Standards for the Handicapped.
- D. ASTM A123 - Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
- E. ASTM A167 - Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
- F. ASTM A269 - Seamless and Welded Austenitic Stainless Steel Tubing for General Service.
- G. ASTM A366 - Steel, Carbon, Cold-Rolled Sheet, Commercial Quality.
- H. ASTM B456 - Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium.
- I. NEMA LD-3 - High Pressure Decorative Laminates.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Provide data on accessories describing size, finish, details of function, installation methods.

1.4 REGULATORY REQUIREMENTS

- A. Conform to ANSI A117.1 code and the American's with Disabilities Act for access for the handicapped.
- B. Conform to State of Texas Handicap Accessibility Standards for access for the handicapped.

1.5 FIELD MEASUREMENTS

- A. Verify that field measurements are as indicated on product data.

1.6 COORDINATION

- A. Coordinate work under provisions of Section 01039.
- B. Coordinate the work with the placement of internal wall reinforcement and reinforcement of toilet partitions to receive anchor attachments.

Refurbishment of Jefferson County Health Clinic

PART 2 PRODUCTS

2.1 MATERIALS

- A. Sheet Steel: ASTM A366.
- B. Stainless Steel Sheet: ASTM A167, Type 304.
- C. Tubing: ASTM A269, stainless steel.
- D. Plastic Laminate: NEMA LD-3, General Purpose Type; 0.125 inch thick.
- E. Plastic Laminate Adhesive: Contact type, waterproof.
- F. Fasteners, Screws, and Bolts: Hot dip galvanized, tamper-proof, and security type.
- G. Expansion Shields: Fiber, lead, or rubber as recommended by accessory manufacturer for component and substrate.

2.2 FABRICATION

- A. Weld and grind joints of fabricated components, smooth.
- B. Form exposed surfaces from single sheet of stock, free of joints. Form surfaces flat without distortion. Maintain surfaces without scratches or dents.
- C. Fabricate grab bars of tubing, free of visible joints, return to wall with end attachment flanges. Form bar with 1 1/2 inches clear of wall surface.
- D. Shop assemble components and package complete with anchors and fittings.
- E. Provide steel anchor plates, adapters, and anchor components for installation.

2.3 KEYING

- A. Supply two (2) keys for each accessory to Owner.
- B. Master key all accessories.

2.4 FINISHES

- A. Galvanizing: ASTM A123 to 1.25 oz/sq yd. Galvanize ferrous metal and fastening devices.
- B. Shop Primed Ferrous Metals: Pretreat and clean, spray apply one coat primer and bake.
- C. Stainless Steel: No. 4 satin luster finish.
- D. Back paint components where contact is made with building finishes to prevent electrolysis.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify site conditions under provisions of Section 01039.
- B. Verify that site conditions are ready to receive work and dimensions are as instructed by the manufacturer.
- C. Verify exact location of accessories for installation.

3.2 PREPARATION

- A. Deliver inserts and rough-in frames to site for timely installation.
- B. Provide templates and rough-in measurements as required.

Refurbishment of Jefferson County Health Clinic**3.3 INSTALLATION**

- A. Install accessories in accordance with manufacturers' instructions, the American's with Disabilities Act and ANSI A117.1.
- B. Conform to State of Texas Handicap Accessibility Standards for access for the handicapped.
- C. Install plumb and level, securely and rigidly anchored to substrate.

3.4 ADJUSTING AND CLEANING

- A. Adjust toilet accessories for proper operation and verify that mechanisms function smoothly.
- B. Replace damaged or defective items.
- C. Clean and polish all exposed surfaces after removing protective coatings.

END OF SECTION 10800