



FORT HAYS STATE UNIVERSITY

Forward thinking. World ready.

REQUEST FOR QUOTE #: 12015

DATE FAXED/MAILED: Tuesday, January 3, 2012

REPLY BY 4:30 P.M.: Thursday, January 19, 2012

RETURNED SIGNED QUOTE TO:

Fort Hays State University (FHSU)

Purchasing Office

601 Park Street Sheridan Hall Room 318

Hays, KS 67601

It shall be the bidder's responsibility to monitor this website on a regular basis for any changes/addenda, <http://www.fhsu.edu/purchasing/bids>.

Purchasing Office Contact Information:

Telephone: 785-628-4251

Fax: 785-628-4046

Email: purchasing@fhsu.edu

INSTRUCTIONS TO BIDDERS:

1. The FHSU Purchasing Office is the only point of contact for this RFQ. When communicating, always refer to the quotation number.
2. To be considered, one copy of this quotation, with your bid properly filled in, must be signed and returned to the FHSU Purchasing Office by the specified closing date. E-mail and late bids cannot be considered.
3. **Faxed bids are acceptable.**
4. Bid must be in U.S. Dollars (\$US) excluding Federal Excise/State Sales Taxes.
5. All prices and conditions must be shown. Additions or conditions not shown on this bid will not be allowed.
6. Bid for comparable merchandise will be considered, unless the specifications indicate "no substitution".
7. Bidder must specify exceptions to any requirement or specification in the bid.
8. Bid must include complete specifications and/or descriptive literature to facilitate consideration.
9. Please browse our web-site for similar pending requests.
10. **THIS IS NOT AN ORDER.**

Item No.	Qty.	Unit	Description of Item(s)	Total Amount
1	1	Lot	Modernization of Two (2) Elevators in McMindes Hall	
Interested bidders will be required to attend the Pre-bid meeting scheduled for January 10, 2012 at 1:00 P.M. McMindes Hall Main Floor Elevator Lobby, 410 Agnew Lane, Hays, KS.				
TOTAL DELIVERED PRICE (FOB Destination Prepaid & Allowed)				

TO BE CONSIDERED, THE FOLLOWING INFORMATION MUST BE PROVIDED BY THE BIDDER:

DATE _____
TERMS _____
DELIVERY WILL BE MADE _____ DAYS A.R.O.
F.O.B. DEST. Fort Hays State University, Hays, KS 67601
F.E.I.N. OR S.S.N. _____
NAME _____
ADDRESS _____
CITY _____ ST _____ ZIP _____

SIGNED BY _____
PRINT OR TYPE NAME _____
TITLE _____
TELEPHONE # _____
FAX # _____
E-MAIL ADDRESS _____
CHECK IF APPLICABLE
Small Business _____ Woman-Owned _____ Minority-Owned _____

State Credit Card: Presently, FHSU uses a State of Kansas Procurement Card (Visa) in lieu of a state warrant to pay for some of its purchases. No additional charges will be allowed for using the card. Will the credit card be allowed for purchases?

Yes _____ No _____ *(Refusal will not be a determining factor in the award.)*

TERMS AND CONDITIONS

1. It is the intent of Fort Hays State University (FHSU) to permit competitive bidding. It is the bidder's responsibility to advise the FHSU Purchasing Office, in writing, no later than three (3) business days before the bid closing date, if any specification or requirement described herein limits bidding to a single source.
2. Unless otherwise specified, Fort Hays State University reserves the right to accept or reject all or any part of your quotation, and to waive technicalities.
3. Offered payment discounts will NOT be considered in determining the low bid. The discount period begins on the date of delivery, or acceptance, or receipt of a correct invoice by the receiving agency, whichever is later.
4. Except as otherwise indicated, the merchandise quoted is in new condition.
5. Fort Hays State University reserves the right to award purchases by item, by group, or by lot, whichever is deemed to be in the university's best interest.
6. In the event of a tie for the low bid, the award will be made to the Kansas bidder.
7. Unit price will prevail in the event of extension error(s).
8. If awarded a purchase order, the bidder agrees to furnish the item(s) or provide the service(s) enumerated hereon at the price(s) quoted and in accordance with the conditions indicated.
9. If a bid indicates that an item quoted is functionally equivalent and it is purchased and found not to be comparable, Fort Hays State University reserves the right to return that item at the bidder's expense, and the bidder will be billed for the difference in cost between this bid and the successful bid.
10. If any portion of this bid is provided by a vendor other than the bidder, the bidder remains the prime contractor responsible for fulfilling all requirements of this bid.
11. Contracts or purchase orders resulting from this quotation may not be assigned without prior written consent of the FHSU Director of Purchasing.
12. The seller agrees to protect Fort Hays State University from all damages arising out of alleged patent infringement.
13. Partial payments will not be made, unless otherwise specified.
14. Bid results are available by written request with a check payable to Fort Hays State University for three dollars (\$3.00) per request, tax included, with a stamped, self-addressed envelope. Unless otherwise requested, your canceled check will serve as your receipt.
15. Any conviction for a criminal or civil offense that indicates a lack of business integrity or business honesty which currently, seriously and directly affects responsibility as a state contractor must be disclosed. This is to include (1) conviction of a criminal offense as an incident to obtaining or attempting to obtain a public or private contract of subcontract or in the performance of such contract of subcontract; (2) conviction under state or federal statutes of embezzlement, theft, forgery, bribery, falsification or destruction of records, receiving stolen property; (3) conviction under state or federal antitrust statutes; and (4) any other offense to be serious and compelling as to affect responsibility as a state contractor. For the purpose of this section, an individual or entity shall be presumed to have control of a company or organization if the individual or entity directly or indirectly, or action in concert with one or more individuals or entities, owns or controls twenty-five percent (25%) or more of its equity, or otherwise controls its management or policies. Failure to disclose an offense may result in disqualification of the bid or termination of the contract.
16. If any part of this contract (including any required installation) is fulfilled by any other contractor, the successful bidder remains responsible for completing all aspects of the work described herein.
17. Vendors who are new to the university should complete a vendor registration form found at: <http://www.fhsu.edu/purchasing/Vendor-Registration-Form>. A copy of the vendor's W-9 should also be submitted with your bid: <http://www.irs.gov/pub/irs-pdf/fw9.pdf?portlet=3>.

TAX CLEARANCE

Fort Hays State University strongly supports the State of Kansas Tax Clearance Process. Vendors submitting bids or proposals which exceed \$25,000 over the term of the contract shall include a copy of a Tax Clearance Certification Form with their submittal. Failure to provide this information may be cause for rejection of vendor's bid or proposal.

A "Tax Clearance" is a comprehensive tax account review to determine and ensure that the account is compliant with all primary Kansas Tax Laws administered by the Kansas Department of Revenue (KDOR) Director of Taxation. Information pertaining to a Tax Clearance is subject to change(s), which may arise as a result of a State Tax Audit, Federal Revenue Agent Report, or other lawful adjustment(s).

To obtain a Tax Clearance Certificate, you must:

- Go to <https://www.kdor.org/TaxClearance/Self/Default.aspx> to request a Tax Clearance Certificate
- Return to the website the following working day to see if KDOR will issue the certificate
- If issued an official certificate, print it and attach it to your bid response
- If denied a certificate, engage KDOR in a discussion about why a certificate wasn't issued

Bidders (and their subcontractors) are expected to submit a current Tax Clearance Certificate with every event response.

***Please Note:** Individual and business applications are available. For applications entered prior to 5:00 PM Monday through Friday, results typically will be available the following business day. Tax clearance requests may be denied if the request includes incomplete or incorrect information.*

***Please Note:** You will need to sign back into the KDOR website to view and print the official tax clearance certificate.*

A copy of the Certification of Tax Clearance form received from the Kansas Department of Revenue should be sent along with the bid response(s) to:

Fort Hays State University
Purchasing Office
601 Park Street, Sheridan Hall 318
Hays, KS 67601

Failure to provide this information may be cause for rejection of vendor's bid or proposal.

Information about Tax Registration can be found at the following website:

<http://www.ksrevenue.org/busregistration.htm>

The FHSU Purchasing Office reserves the right to confirm tax status of all potential contractors and subcontractors prior to the release of a purchase order or contract award.

In the event that a current tax certificate is unavailable, the FHSU Purchasing Office reserves the right to notify a bidder (one that has submitted a timely event response) that they have to provide a current Tax Clearance Certificate within ten (10) calendar days, or FHSU may proceed with an award to the next lowest responsive bidder, whichever is determined by the Purchasing Director to be in the best interest of FHSU and the State.

**CERTIFICATION REGARDING
IMMIGRATION REFORM & CONTROL**

All Contractors are expected to comply with the Immigration and Reform Control Act of 1986 (IRCA), as may be amended from time to time. This Act, with certain limitations, requires the verification of the employment status of all individuals who were hired on or after November 6, 1986, by the Contractor as well as any subcontractor or sub-subcontractor. The usual method of verification is through the Employment Verification (I-9) Form. With the submission of this bid, the Contractor hereby certifies without exception that Contractor has complied with all federal and state laws relating to immigration and reform. Any misrepresentation in this regard or any employment of persons not authorized to work in the United States constitutes a material breach and, at the State's option, may subject the contract to termination and any applicable damages.

Contractor certifies that, should it be awarded a contract by the State, Contractor will comply with all applicable federal and state laws, standards, orders and regulations affecting a person's participation and eligibility in any program or activity undertaken by the Contractor pursuant to this contract. Contractor further certifies that it will remain in compliance throughout the term of the contract.

At the State's request, Contractor is expected to produce to the State any documentation or other such evidence to verify Contractor's compliance with any provision, duty, certification, or the like under the contract.

Contractor agrees to include this Certification in contracts between itself and any subcontractors in connection with the services performed under this contract.

Signature, Title of Contractor

Date

GENERAL TERMS AND CONDITIONS

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. Contractor will be responsible for all costs required for the modernization of (2) Montgomery Geared Traction (Serial #C18097-8) Elevators at Fort Hays McMIndes Hall, Hays, KS.
 - 1. Bid shall include travel, meals, lodging and per-diem.
- B. The existing elevators as explained below will be modernized in accordance with the explanation provided herein. Where additional or replacement items are specified, a complete description is provided. Where existing equipment and/or systems are to receive adjustment, repair, etc., clarification is provided. Where existing equipment and/or systems are not mentioned, the intent of this Specification is to reuse said item(s) "as is".
- C. All work will be performed in a workmanlike manner and will include all work and material as specified herein.
 - 1. In call cases where a device or part of the equipment is herein referred to in a singular number, it is intended that such reference will apply to as many such devices as required to complete installation.

1.2 SCHEDULE

- A. Work is to be completed between May 14 and August 15, 2012.
 - 1. Contractor will have access to the site between the hours of 6 AM and 6 PM, Monday through Friday, and on weekends from Noon to 5 PM, holidays excepted.

1.3 ON-SITE STORAGE

- A. Contractor may be permitted to store a limited quantity of supplies and small equipment on site overnight while work is in progress at the Contractor's risk.

1.4 WARRANTY

- A. All work will be performed in accordance with the latest revised edition of the American National Standard Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks (ANSI A17.1), ANSI A117.1 Barrier Free Code as pertaining to Passenger Elevators, the Americans with Disabilities Act (ADA), the National Electrical Code, and/or such State and Locate Elevators Codes as may be applicable.
- B. Contractor will warrant the equipment installed under this specification against defects in materials and workmanship and will correct any defects not due to ordinary wear or tear or improper use or care which may develop for a period of twelve (12) months following the completion and acceptance of each elevator covered by this specification.
- C. The successful Contractor will furnish maintenance and regular time callback service on each elevator from the time that elevator is removed from service for the modernization work and for a period of twelve (12) months following the completion of each elevator.
 - 1. This service will consist of monthly examinations of the equipment, adjustments, lubrication, cleaning, supplies and parts to keep the equipment in proper operation, except such adjustments, parts or repairs made necessary by abuse, misuse and any other causes beyond the control of the successful bidder.

1.5 PERMITS, TAXES, AND LICENSES

- A. All applicable sales and use taxes, permit fees, and licenses, as part of the date bids area taken and will be paid for by the successful bidder.

1.6 SUBMITTALS

- A. Provide (2) complete sets of “as-built” wiring diagrams including input and output signals will be furnished to the Owner at completion of the project.
- B. Provide (4) keys for each key switch specified to Owner at completion of project.
- C. Emergency Fire Service
 - 1. At completion of work, Contractor shall perform Phase I and Phase II Fire Service Tests to conform to applicable codes
 - 2. Provide Completed copies of test reports to owner

1.7 SITE VISIT

- A. Interested bidders will be required to attend the Pre-bid meeting scheduled for January 10, 2012 at 1:00 P.M. McMindes Hall Main Floor Elevator Lobby, 410 Agnew Lane, Hays, KS.
 - 1. Bidder will be responsible to visit jobsite and confirm existing shaft conditions and dimensions. Any physical dimensions not conforming to needs of modernization components must be identified prior to bidding.

1.8 INSURANCE

- A. The successful bidder will be required to furnish proof of public liability, property damage and workman's compensation insurance prior to commencement of work. In addition, if a purchase order exceeding \$100,000 results from this quotation, a public works bond and performance bond in the full amount of the purchase order shall be provided by the vendor on the form furnished by the FHSU Purchasing Office.

1.9 TRACTION ELEVATOR PREPARATORY WORK (to be completed by Owner)

- A. Elevator modernization is for (2) currently working elevators. It is the intent of the Owner not to make any changes to the physical structure. Bidder is to notify Owner of any concerns or necessary structure changes that may need to be addressed prior to submitting bid.
- B. Owner shall address these issues by completing the work necessary to correct them or address them by addendum prior to bid date.
 - 1. Items that may need to be addressed include but are not limited to:
 - a. Hoistway size and clearance
 - b. Structural Supports
 - c. Pit size and clearance
 - d. Equipment room
 - e. Access door
- C. Do all painting required beyond that included in this specification.
- D. Bring 3-phase and single phase power wires to machine room(s) and to provide the conduit and connections to vendor's controller terminals, with properly sized, intervening fused disconnect switches conveniently located in machine room(s), and furnish, without charge, necessary current for tools, hoists, as well as current for starting, testing and adjusting of machinery.
- E. Any asbestos removal necessitated by the work described in these specifications will be the owner's responsibility.

PART 2 - PRODUCTS

2.1 DESCRIPTION OF EQUIPMENT

A. Provide the following modernizations for the (2) elevators identified.

Geared Traction Passenger Equipment Description	
Capacity:	2500 LBS.
Speed:	150 F.P.M.
Power Characteristics:	208 Volts 3 Phase 60 Hertz
Landings:	7 Stops
Openings:	7 in line, reverse at None
Bottom Floor Served:	Basement
Top Floor Served	Sixth
Travel:	Approx. 64'
Platform Size:	Existing to remain, 6 ft. 4 in. wide X 6 ft. 2 in. deep
Entrance Size:	Existing to remain, 7 ft. 0 in. high X 3 ft. 6 in. wide
Entrance Type:	Center Opening

Geared Traction Passenger Outline Specification	
Control:	New Non-Proprietary VVVF Controllers
Machine:	Rehab Existing
Operation:	New Duplex Microprocessor
Operational Features:	Resolve
Safety Plank:	Retain
Governor:	New
Deflector Sheave	Retain
Car Enclosure:	Partial Rehab of Existing
Guiderails:	New
Door Operation:	Partial w/ Rehab
Signals:	New panels for Code Upgrades Features
Mechanical:	Rehab
Cage:	Retain
Motor:	New Drive Motor Only
Electrical Features:	New
Buffer:	Retain
Pit Equipment:	New
Door Panel Work:	New
Entrance Work:	Retain
Transom:	Retain
Sill Work:	Retain
Fixture Design:	New ReVive 500 Series
Hall Fixture Finish:	New
Car Fixture Finish:	New
Cab Design:	Retain
Warranty Period:	12 Months

Geared Passenger Detail Description

2.1 SYSTEMS AND COMPONENTS

- A. **CONTROLS** - The Variable Voltage, Variable Frequency (VVVF) Drive motor control will be provided to adjust and maintain the rotational speed of the motor in accordance with the load and position of the car relative to the floor level.
1. Retain existing Hollister Whitney #43 Machines.
 - a. The Entire Machine Assembly(ies) will be adjusted, thoroughly cleaned and finish painted. Paint will be Vendors standard top quality durable enamel.
 - b. Hoisting machine seals will be replaced.
 2. A new Geared Hoisting Machine Drive Motor will be provided and will be specially designed and rated for elevator duty with high starting torque and low starting current. The new motor will be fitted to the existing machine, adjusted and aligned to turn smooth and free of excessive vibration.
 - a. Provide new worm and gear set for increased speed including bearing and seal assembly and new hoist motors.
 3. Motor to be enclosed, non-ventilated AC Motor with Class F Insulation made possible through the use of two devices. A motor mounted encoder will provide velocity feedback to the VF drive. Information from the encoder will be used with exact car position information from the BAR leveling system to provide accurate floor leveling.
 4. Motor armature to be dynamically balanced and supported by ball bearings of ample capacity.
 5. Vector controlled pulse-width modulated AC drive to convert the AC power supply to a VVVF power supply for use by the hoist motor.
 6. Speed control will be by means of vector control providing independent excitation and torque current. Encoder to give feedback on motor speed and position.
 - a. The velocity encoder will permit continuous comparison of machine speed to velocity profile and to actual car speed to permit a fast and accurate control of acceleration and retardation.
 7. Digital velocity encoder will be mounted on the motor to give feedback to the controller on motor speed and position.
 8. Spring applied electric break, held open by an electro-magnet actuated by the controller and designed to make smooth, positive stops.
 - a. Designed to automatically apply in event of interruption of power supply.
 - b. All digital controlling of brake.
 - c. Setting and lifting to be software based and all electronic.
 - d. Do not use contactors or resistors.

2.2 OPERATION SYSTEMS

- A. The elevator control system shall be microprocessor based and software oriented, operated in real time with continuous analysis of cars changes in position, condition and workload.
- B. On-board diagnostic capabilities eliminate need for separate diagnostic tools for the regular maintenance of the control system.
1. Provide software similar to that used in the 2008 modernization of an elevator in Wiest Hall that will allow for Owner to monitor issues with software.
- C. The logic control is equipped with two (2) 16 bit, 20 MHz processors. One Processor is located on the motherboard and is dedicated to the elevator features, and the other is located on the drive interface board and is dedicated to the elevator's drive control.
- D. The logic control incorporates single relay design. This means the logic control runs all signals and commands through transistors, in lieu of less reliable relays. A single relay is used in the logic control. This relay is required by Code, and is dedicated to the safety chain.

- E. The logical and physical architecture is a LAN (Local Area Network). If new serial-linked fixtures are included in the modernization, the control will utilize the LAN architecture and serial technology to enhance the reliability of the elevator system.
- F. Control of the elevator shall be automatic in operation by means of pushbuttons in the car numbered to correspond to floors served, for registering car stops by “up-down” pushbuttons at each intermediate landing and “call” pushbuttons at terminal landings.
 - 1. The momentary pressing of one or more buttons shall dispatch the car to the designated landings in the order in which the landings are reached by the car, irrespective of the sequence in which the pushbuttons are pressed
 - a. When the car is traveling in the up direction, it shall have an up preference and shall stop at all floor for which car buttons or “up” hall pushbuttons have been pressed; it shall not stop at floor where “Down” pushbuttons have been pressed, unless the stop for that floor has been registered by a car button, or unless the down call is at the highest floor for which buttons have been pressed.
 - b. Same when traveling in down direction.
 - 2. When the car has responded to its highest or lowest stop, the stops are registered for the opposite direction, travel will automatically reverse and it shall then answer those calls.
 - 3. Should both up and down calls be registered at intermediate floors, only the call corresponding to the direction in which the car is traveling shall be canceled upon the stopping of the car at the landing.
 - 4. A car that is stopping for the last hall call in the preference direction and that hall call is for the opposite direction with no onward car calls, shall reverse preference when the selector position advances to the landing at which the car has committed to a stop.
- G. A car that is stopping for the last hall call in the preference direction, and that hall call is for the same direction, shall hold it preference until the door is almost closed. This allows time for a passenger to register and onward car call which will maintain the preference. If no car call is registered before the door is almost closed, the call will lose it preferred and shall be available to accept call in either direction.
- H. Motor Protection - A thermal or magnetic overload protective device shall be used to provide hoist motor overload protection. The logic feature is designed to stop the car immediately in the event of an overload.

2.3 MECHANICAL

- A. SAFETY AND GOVERNOR: Replace the car governor and safety to accommodate the increase of speed to 300 FPM.
 - 1. Governor, Tail Sheave and cable all to be replaced.
 - 2. A new Overspeed Governor will be provided. The Governor will be centrifugal force activated. The governor will be connected to the Car Safety tripping mechanism by a continuous cable which passes over the Governor Sheave and a weighted tension sheave located in the hoistway pit. The governor will be equipped with a switch designed to cut off motor power and apply the Hoisting Machine Brake Prior to actual setting of the safety grips.
 - 3. A new traction steel Governor Rope, of appropriate size to insure proper operation, will be provided. As a minimum, the governor rope will comply with the factor of safety requirements of the ASME A17.1 Safety Code for Elevators.
- B. Hoistway Wiring
 - 1. All new hoistway, machine room and car wiring, including traveling cable will be replaced to fulfill the requirements of the new controls including 15% spare wires.
 - a. New duct and flexible connections for the proper installation of the new control equipment will be provided as necessary.

2. Vendor will remove all existing wiring, conduit and duct from the hoistway. New conduit and duct properly sized and constructed for the job requirements will be installed (in accordance with applicable codes). New wiring will be provided in the hoistway, adequately sized and constructed for the proper operation of the equipment. Multi-conductor type wiring for light and signal circuits shall be used in the elevator hoistway. All conductors will be copper and the minimum size for conductors, excluding those which form an integral part of control devices, shall be No. 14 for lighting circuits and No. 18 for operation, control and signal circuits. Except for lighting conductors in traveling cable, No. 18 conductors may be used in parallel to provide a current carrying capacity equivalent to not less than No. 14 size. Connections to the controller will be made in a manner that minimizes transmission of vibration or noise.
- C. HOIST CABLES: Replace the existing machine hoist cables.
1. New Traction Steel Hoist Ropes and Shackles, of size and number appropriate to insure proper wearing qualities, will be provided. As a minimum, the number and size of ropes will comply with the factor of safety requirements of the ASME/ANSI A17.1 Safety Code for Elevators.
 2. Vendor will remove the existing hoist cables and replace with new hoist cables designed for elevator service. The cables will be sufficiently flexible to readily adapt to all changes in the position of the elevator car and hang straight without twist. The open loop will show no tendency to twist upon itself. Traveling cables will have non-metallic fillers and will be suspended by Kellum Grips or looping cable around supports. The traveling cables will include telecommunication cabling and will terminate in a terminal box located on the car. The terminal boxes will have approved terminal strips for connecting conductors and will be provided with approved strain devices required to connect the supporting strands and relieve the traveling cable conductors strain.
 - a. The swing of the hoist cables will be checked when the elevator is running and any shields and pads necessary to prevent chafing will be installed.
 - b. The hoist cables and the corresponding groups of conductors connecting these cables to the control signal and car operating panels will each contain at least 10 percent spare conductors, but not less than two spare conductors of the same size and type.
 - c. Each hoist cable conductor shall have a distinctive color-coded outer covering for identification. Terminal blocks will have indelible identification numbers for each terminal connection.
 - d. Provide shielded wires for communication. Replace existing hoist cable hitches if necessary.
 - e. Vendor to remove and reconnect any CCTV cables attached to elevator cab.

2.4 CAR ENCLOSURE

- A. Existing car enclosure to remain including walls, canopy, ceiling, columns, front, transom, sills, handrail, ventilation, platform, sling, and lobby position indicator.
- B. Provide new center opening car door panels, tracks, hangers and rollers.
 1. Finish is to be Stainless Steel #4.
- C. Replace existing roller guides for the elevator car and counterweights.
- D. New Floor finish will be provided by others including replacement of existing base.
- E. Protection pads and buttons are not applicable.

2.5 DOOR OPERATION

- A. New direct current motor driven operator will be furnished and installed, designed to operate the car and hoistway door simultaneously.
 1. Door movements will be electrically cushioned at both limits of travel.

2. Doors will automatically open when the car arrives at a landing and will automatically close after an adjustable time interval or when the car is dispatched to another landing.
3. Doors will remain open for an adjustable time for a stop in response to a car call and a second variable time for a stop for a hall call.
 - a. All car calls will be canceled if false car calls are detected. False car calls will be detected when the car has made two consecutive stops without interruption of the infrared safety beam.
 - b. Call buttons will be supervised. If the signal from the button is not deactivated when the control system tries to cancel the call, the elevator will be allowed to leave the floor. Both car and landing call buttons will be supervised. This logic feature prevents service of the stuck call pushbutton. Once the stuck pushbutton is released, new calls will be served normally.
4. A car door safety switch will monitor the open/close status of the car door.

2.6 DOOR OPERATOR EQUIPMENT

- A. Electronic Door Safety Device
 1. The elevator car will be equipped with the edge. This electronic sensing device operates across the car entrance. When activated, the edge will prevent the doors from closing or cause them to stop and reopen if they are in the process of closing. The doors will remain open as long as the flow of traffic continues and will close shortly after the last person passes through the door opening.
 2. The Door Safety Device proposed will be mounted on the main car entrance only.
- B. Call Car Register
 1. The controller will be equipped with the capability to register car calls and landing calls from the control panel for the maintenance purposes.
- C. Emergency Stop Switch in Control Panel
 1. An emergency stop switch will be provided in the control panel. The stop switch is designed to cause the elevator to stop with the mechanical brake. All elevator and door movement will be prohibited. The elevator will return to normal service when the stop switch is returned to the normal position.
- D. Phase Failure Detection
 1. Phase Failure detection is designed to detect phase failure and prevent the elevator from operation after the detection.
- E. Advance Door Opening
 1. Doors will start opening when the elevator speed has decreased below the limit allowed by the safety code and the elevator is within the normal door zone.
- F. Nudging Service
 1. The nudging feature will be provided so that if the doors are prevented from closing for an extended period of time due to the operation of a safety edge, safety ray, curtain of light, door open button or optical passenger detector, nudging is activated. If closing is prevented by the safety ray, the curtain of light or the optical passenger detector, the doors will start to close at reduced speed. During nudging operation a buzzer in the car will sound. Nudging will continue until doors are fully closed. The door open button will reopen the closing door. The standard setting time before nudging commences operation is approximately 20 seconds.
- G. Load Weighing Device
 1. A Load Weighing device will be provided which will continuously monitor the load in the elevator car. The load weighing device provides information necessary for the Bypass Load Feature and the overload feature to operate.
- H. Provide new MAC PMSSC Door operators with long arm, split link, and drive blocks.
- I. Provide electronic door re-opening device.

- J. A door protection device using 40 microprocessor controlled infrared light beams will be provided.
 - 1. Beams shall project across the car opening detecting the presence of a passenger or object.
 - 2. If door movement is obstructed the doors shall immediately reopen.
- K. Provide door restricting devices in accordance with ANSI A17.1 Code – Rule 111.12.

2.7 SIGNALS

- A. New Main Car Operating Panels – Provide new panel to accommodate all features provided by the new microprocessor based controls.
 - 1. Provide traditional style push buttons, ADA Compliant telephone, fire service signage, emergency lighting and braille emergency stop switch, alarm button and keyed light switch as well as other device(s) required by applicable code and /or as explained within this Specification.
 - 2. Each Car Operating Panel will be equipped with L.E.D. illuminating pushbuttons which, when pressed will signal the car passenger that the call has been registered. The L.E.D. will remain illuminated until the call has been answered.
 - 3. New dot matrix car position Indicator to be incorporated into new panel
 - a. Provide Stainless Steel cover over previous position indicator over car door.
- B. Telephone cabinet will be supplied for each elevator and be integral to the Main Car Station.
 - 1. It will be housed behind a hinged door.
 - 2. Telephone instrument(s) meeting A.D.A. requirements will be provided by Vendor.
 - a. A separate telephone line will be provided in the Machine Room by Owner.
- C. Floor Passing Signal – Provide ADA Compliant audible signal to indicate that the car is passing or stopping at a floor.
- D. Alarm Bell – Emergency alarm bell will be connected to a plainly marked pushbutton in the car-operating panel and to the battery operated emergency car light device.
 - 1. An alarm bell will be mounted on the car top. When the alarm button in the car has been pushed, the alarm bell will sound.
- E. Landing Buttons – New surface mounted hall pushbutton fixtures will be installed which incorporate the Appendix “H” requirements.
 - 1. The hall pushbutton fixture at the main fire service floor will include the fire service signage and key switch.
 - 2. L.E.D. Illuminating Pushbuttons will be provided in each Hall Pushbutton Station which, when pressed, will signal the waiting passenger that the call has been registered. The L.E.D. will remain illuminated until the call has been answered.
- F. Car Riding Lantern – A new car-riding lantern will be installed in the doorjamb of the elevator cab.
 - 1. Shall be engineered into the new microprocessor based controls to comply with all ADA Requirements.

2.8 SIGNAL FIXTURES

- A. An Inspectors’ operating station will be provided on top of the elevator car consisting of Up and Down constant pressure buttons and an emergency stop switch. This device will also contain a light with guard and switch and a duplex, 120 VAC outlet. A light with guard and switch and a duplex, 120 VAC outlet will be provided under the car. An Emergency Stop Switch will be provided in the elevator pit, designed to cut off current supply to motor and bring the car to rest independent of the regular operating devices. An electric Alarm will be provided in or adjacent to the elevator hoistway. This alarm will be connected to the alarm button in the car operation panel.

2.9 FIREMAN'S SERVICE

- A. Fire service features will be provided in accordance with the requirements of the applicable ASME A17.1, Safety code for Elevators and Escalators including Addenda as they pertain to automatic (non-designated attendant) elevators with power-operated horizontally sliding doors. Equipment used for Firemen's Drive:
 - 1. A three position key switch at the designated (main) level (BYPASS/OFF/ON)
 - 2. A three position key switch in the main car operation panel of each elevator (OFF/HOLD/ON)
 - 3. An optional two position switch at a central control station for fire department operations (OFF/ON)
 - 4. Smoke detector signal from each floor. (Note: Smoke detector located at designated (main) level is separated from detectors located at all the floors). Machine room smoke detector signal. Provision and installation of smoke detectors is the responsibility of the Purchaser.
 - 5. Hoistway smoke detector signal.
 - 6. An illuminated visual and audible signal in the car
 - 7. A separate car call cancel button (operative only for Fireman's Drive operation)
- B. Provision and installation of smoke detectors is the responsibility of the Purchaser. Final connection to the buildings emergency fire system shall be the responsibility of the Purchaser.

2.10 HOISTWAY

- A. New interlocks, pickup roller assemblies and ADA hoistway Jamb Braille shall be installed.
 - 1. Existing hoistway doorframes, door panel tracks and hangers to be retained.
- B. Provide protection during installation from items falling into adjacent hoistway.

2.11 FIXTURE FINISH

- A. All metal used on exterior surfaces of the hall signal fixtures at all floors and car signal fixtures to #4 (Brushed) finish Stainless Steel.

2.12 MISCELLANEOUS EQUIPMENT

- A. Pit Equipment - Provide new pit light, ladder and pit stop switch.
- B. Car Top – Provide new car top inspection station, handrails with kick plates, and car top exit switch.
 - 1. A new car top inspection station with an “emergency stop” switch and constant pressure “up-down” direction buttons will be installed.
 - 2. This station will make the normal operating devices inoperative and give the inspector complete control the elevator.
- C. Hatch Door Equipment – Provide new interlocks and pickup roller assemblies.
- D. Hoistway Switches - New electrical limit switches will be places in the hatchway near the terminal landings and be designed to cut off the electrical current and top the car should it run beyond either terminal landing.
 - 1. Terminal switches will be provided in the hoistway designed to automatically stop the car at or near the closet terminal landing. Over-travel switches will also be provided to automatically cut off power and apply the brake should the car travel beyond either terminal landing.
- E. Clutch – Provide new restrictive clutch

PART 3 - EXECUTION

3.1 INSTALLTION

- A. Prior to commencing work, a schedule shall be submitted to Owner for approval.
- B. Barricades
 - 1. Vendor will furnish, install, maintain and remove (at Project completion) necessary barricades.
 - 2. Barricades determined to be necessary may include items as described in the following:
 - a. Barricades throughout the height of the hoistway(s) providing protective separation between any elevator remaining in operation and the elevator(s) being modernized.
 - b. Partition barricades to separate the work area from occupied public areas.
 - c. Temporary barriers to minimize levels of dust and/or noise caused by the work.
 - 3. Vendor to take all reasonable and standard precautions to protect and preserve the integrity of finished building surfaces.
- C. Special Precautions
 - 1. Any asbestos removal necessitated by the work described in these specifications will be the owner's responsibility.
- D. Reports to Owner
 - 1. Where this Proposal includes Vendors review of the condition of any item, Vendor will report the result to the owner in the event that the results impact the work as proposed.

3.2 CLEAN UP

- A. Remove all debris resulting from work on this contract.
 - 1. It shall be the contractor's responsibility to provide means to dispose of debris and remove from campus.
 - 2. Campus dumpsters shall not be used for disposing.
- B. Remove all equipment and unused or removed materials from site
- C. Restore premises to a neat and clean appearance.

3.3 INSPECTION

- A. All material and workmanship shall be subject to inspection and testing.
 - 1. Owner will have the right to reject defective or inferior material or workmanship and require correction of such without additional cost to the Owner.

3.4 MAINTENANCE SERVICE

- A. Vendor will furnish maintenance service on the elevator equipment provided for the period set forth at the beginning of these specifications commencing upon substantial completion of the equipment installation. Equipment will be examined monthly. Any adjustment or replacement of parts, oiling, cleaning, etc. that may be necessary during that period will be done without charge.

State of Kansas
Department of Administration
DA-146a (Rev. 10-11)

CONTRACTUAL PROVISIONS ATTACHMENT

Important: This form contains mandatory contract provisions and must be attached to or incorporated in all copies of any contractual agreement. If it is attached to the vendor/contractor's standard contract form, then that form must be altered to contain the following provision:

"The Provisions found in Contractual Provisions Attachment (Form DA-146a, Rev. 10-11), which is attached hereto, are hereby incorporated in this contract and made a part thereof."

The parties agree that the following provisions are hereby incorporated into the contract to which it is attached and made a part thereof, said contract being the _____ day of _____, 20_____.

1. **Terms Herein Controlling Provisions:** It is expressly agreed that the terms of each and every provision in this attachment shall prevail and control over the terms of any other conflicting provision in any other document relating to and a part of the contract in which this attachment is incorporated. Any terms that conflict or could be interpreted to conflict with this attachment are nullified.
2. **Kansas Law and Venue:** This contract shall be subject to, governed by, and construed according to the laws of the State of Kansas, and jurisdiction and venue of any suit in connection with this contract shall reside only in courts located in the State of Kansas.
3. **Termination Due To Lack Of Funding Appropriation:** If, in the judgment of the Director of Accounts and Reports, Department of Administration, sufficient funds are not appropriated to continue the function performed in this agreement and for the payment of the charges—hereunder, State may terminate this agreement at the end of its current fiscal year. State agrees to give written notice of termination to contractor at least 30 days prior to the end of its current fiscal year, and shall give such notice for a greater period prior to the end of such fiscal year as may be provided in this contract, except that such notice shall not be required prior to 90 days before the end of such fiscal year. Contractor shall have the right, at the end of such fiscal year, to take possession of any equipment provided State under the contract. State will pay to the contractor all regular contractual payments incurred through the end of such fiscal year, plus contractual charges incidental to the return of any such equipment. Upon termination of the agreement by State, title to any such equipment shall revert to contractor at the end of the State's current fiscal year. The termination of the contract pursuant to this paragraph shall not cause any penalty to be charged to the agency or the contractor.
4. **Disclaimer Of Liability:** No provision of this contract will be given effect that attempts to require the State of Kansas or its agencies to defend, hold harmless, or indemnify any contractor or third party for any acts or omissions. The liability of the State of Kansas is defined under the Kansas Tort Claims Act (K.S.A. 75-6101 et seq.).
5. **Anti-Discrimination Clause:** The contractor agrees: (a) to comply with the Kansas Act Against Discrimination (K.S.A. 44-1001 et seq.) and the Kansas Age Discrimination in Employment Act (K.S.A. 44-1111 et seq.) and the applicable provisions of the Americans With Disabilities Act (42 U.S.C. 12101 et seq.) (ADA) and to not discriminate against any person because of race, religion, color, sex, disability, national origin or ancestry, or age in the admission or access to, or treatment or employment in, its programs or activities; (b) to include in all solicitations or advertisements for employees, the phrase "equal opportunity employer"; (c) to comply with the reporting requirements set out at K.S.A. 44-1031 and K.S.A. 44-1116; (d) to include those provisions in every subcontract or purchase order so that they are binding upon such subcontractor or vendor; (e) that a failure to comply with the reporting requirements of (c) above or if the contractor is found guilty of any violation of such acts by the Kansas Human Rights Commission, such violation shall constitute a breach of contract and the contract may be cancelled, terminated or suspended, in whole or in part, by the contracting state agency or the Kansas Department of Administration; (f) if it is determined that the contractor has violated applicable provisions of ADA, such violation shall constitute a breach of contract and the contract may be cancelled, terminated or suspended, in whole or in part, by the contracting state agency or the Kansas Department of Administration.

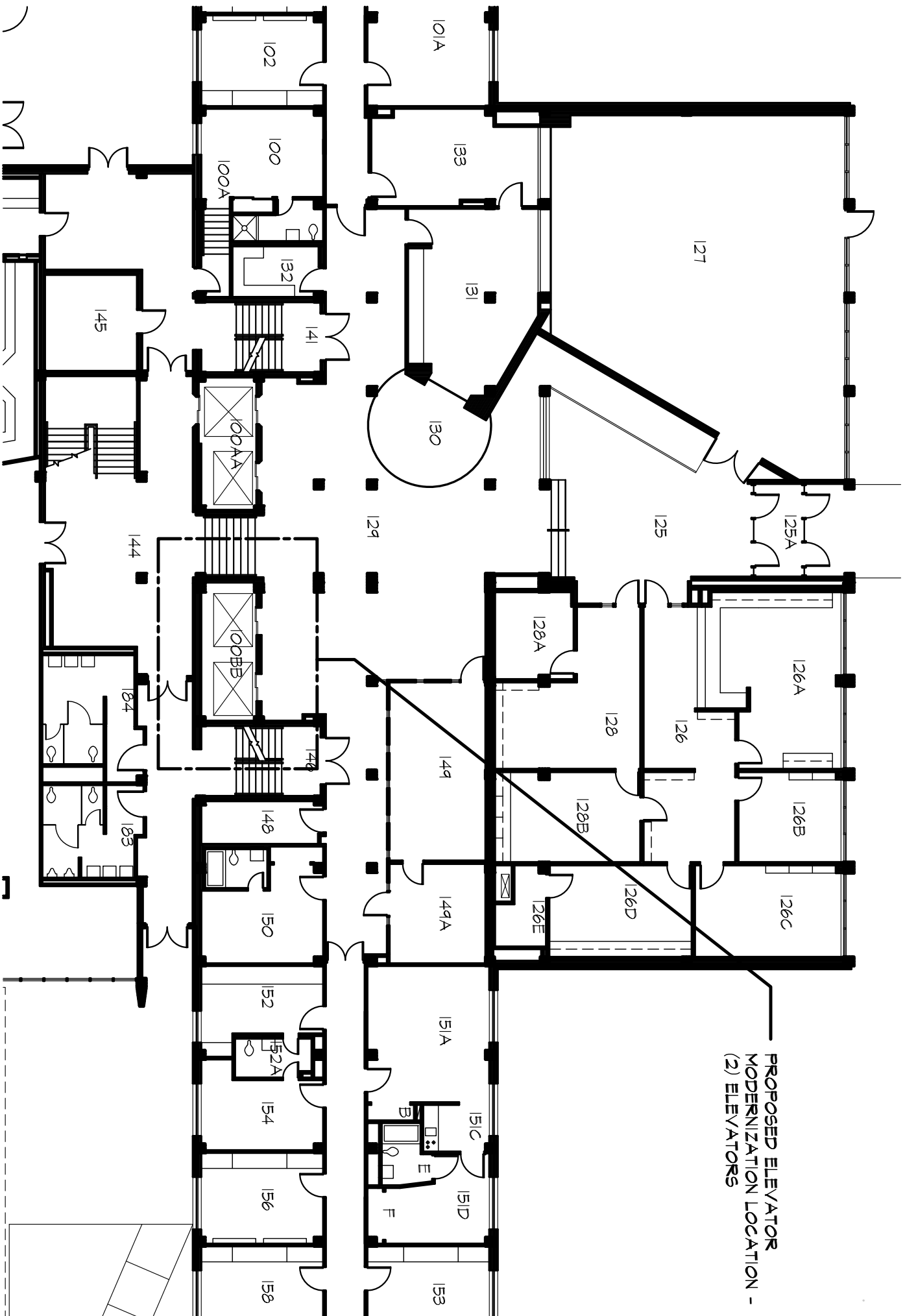
Contractor agrees to comply with all applicable state and federal anti-discrimination laws.

The provisions of this paragraph number 5 (with the exception of those provisions relating to the ADA) are not applicable to a contractor who employs fewer than four employees during the term of such contract or whose contracts with the contracting State agency cumulatively total \$5,000 or less during the fiscal year of such agency.

6. **Acceptance Of Contract:** This contract shall not be considered accepted, approved or otherwise effective until the statutorily required approvals and certifications have been given.
7. **Arbitration, Damages, Warranties:** Notwithstanding any language to the contrary, no interpretation of this contract shall find that the State or its agencies have agreed to binding arbitration, or the payment of damages or penalties. Further, the State of Kansas and its agencies do not agree to pay attorney fees, costs, or late payment charges beyond those available under the Kansas Prompt Payment Act (K.S.A. 75-6403), and no provision will be given effect that attempts to exclude, modify, disclaim or otherwise attempt to limit any damages available to the State of Kansas or its agencies at law, including but not limited to the implied warranties of merchantability and fitness for a particular purpose.
8. **Representative's Authority To Contract:** By signing this contract, the representative of the contractor thereby represents that such person is duly authorized by the contractor to execute this contract on behalf of the contractor and that the contractor agrees to be bound by the provisions thereof.
9. **Responsibility For Taxes:** The State of Kansas and its agencies shall not be responsible for, nor indemnify a contractor for, any federal, state or local taxes which may be imposed or levied upon the subject matter of this contract.
10. **Insurance:** The State of Kansas and its agencies shall not be required to purchase any insurance against loss or damage to property or any other subject matter relating to this contract, nor shall this contract require them to establish a "self-insurance" fund to protect against any such loss or damage. Subject to the provisions of the Kansas Tort Claims Act (K.S.A. 75-6101 et seq.), the contractor shall bear the risk of any loss or damage to any property in which the contractor holds title.
11. **Information:** No provision of this contract shall be construed as limiting the Legislative Division of Post Audit from having access to information pursuant to K.S.A. 46-1101 et seq.
12. **The Eleventh Amendment:** "The Eleventh Amendment is an inherent and incumbent protection with the State of Kansas and need not be reserved, but prudence requires the State to reiterate that nothing related to this contract shall be deemed a waiver of the Eleventh Amendment."
13. **Campaign Contributions / Lobbying:** Funds provided through a grant award or contract shall not be given or received in exchange for the making of a campaign contribution. No part of the funds provided through this contract shall be used to influence or attempt to influence an officer or employee of any agency or a member of the Legislature regarding any pending legislation or the awarding, extension, continuation, renewal, amendment or modification of any government contract, grant, loan, or cooperative agreement.

NOT TO SCALE

MARCH 2011



PROPOSED ELEVATOR
MODERNIZATION LOCATION -
(2) ELEVATORS

McMINDES HALL - FIRST FLOOR PLAN

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

MARCH 2011