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MAINTENANCE

PART 1 GENERAL

1.01 INTERIM MAINTENANCE

- A. Furnish preventive maintenance service on elevators described herein for a period from Owner's written Notice to Proceed until the Owner's written Notice of System's Acceptance. Cost of interim maintenance shall be included as part of modernization proposal and listed on Contractor's Proposal Form.
- B. Use competent personnel, acceptable to Owner, employed and supervised by the Contractor.

1.02 WARRANTY MAINTENANCE

- A. Provide preventive maintenance and 24-hour emergency callback service at no cost to the owner for one year commencing on date of System's Acceptance by Owner. On a regularly scheduled monthly basis, inspect, examine, adjust, clean, and lubricate all equipment. Keep record of monthly inspections in log, which is located on-site in the Mechanical Room. Monthly service and inspections shall be coordinated with County Building Maintenance Engineer, and be conducted in such a way as to not disrupt normal business operations of the occupants or building. Repair or replace defective parts using parts produced by the Contractor of installed equipment. Maintain elevator machine room, hoistway, and pit in clean condition.
- B. Use competent personnel, acceptable to the Owner, supervised and employed by Contractor.
- C. The warranty maintenance period specified in Item 1.02, A. above shall be extended one (1) month for each three (3) month period in which equipment related failures average more than .25 per unit per month.

END OF SECTION

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RELATED WORK

PART 1 GENERAL

1.01 RELATED WORK BY OTHER TRADES

- A. Hoistway and Pit:
 - 1. Cutting and patching walls and floors.
 - 2. Protect open hoistways and entrances during construction per OSHA Regulations.
 - 3. Protect car enclosure, hoistway entrance assemblies, and special metal finishes from damage.

- B. Machine Room and Machinery Spaces:
 - 1. Ventilation and heating. Maintain minimum temperature of 55° F, maximum 90° F. Maintain maximum 80% relative humidity, non-condensing.
 - 2. Paint walls and ceiling.

- C. Electrical Service, Conductors, and Devices:
 - 1. Florescent Lighting and GFCI convenience outlets in pit, machine room, and overhead machinery spaces.
 - 2. Three-phase mainline copper power feeder to terminals of each elevator controller in the machine room with protected lockable "open" disconnecting means or with ground if required.
 - 3. Add true earthen grounding to existing main disconnects if it is not present and retained.
 - 4. Single-phase copper power feeder to each elevator controller for car lighting and exhaust blower with individual protected lockable "open" disconnecting means located in machine room.
 - 5. Emergency telephone line to each individual designated elevator control panel in elevator machine room.
 - 6. Fire alarm initiating devices in each elevator lobby, for each group of elevators or single elevator and each machine room to initiate firefighters' return feature. Device at top of hoistway if sprinklered. Provide alarm initiating signal wiring from hoistway or machine room connection point to elevator controller terminals. Device in machine room and at top of hoistway to provide signal for general alarm and discrete signal for Phase II firefighters' operation.
 - 7. Firefighters' telephone jack and announcement speaker in car with connection to individual elevator control panels in elevator machine room and elevator control panel in firefighters' control room if required.
 - 8. Conduit from the closest hoistway of each elevator group or single elevator to the firefighters' control room. Coordinate size, number, and location of conduits with Elevator Contractor.
 - 9. When sprinklers are provided in the hoistway all electrical equipment, located less than 4'-0" above the pit floor shall be identified for use in wet locations. Exception: Seismic protection devices.
 - 10. Single-phase power feeders to machine room rope brake air compressor feeder circuits with single-phase protected lockable "open" disconnecting means.

- D. Standby Power Provision:
 - 1. Standby power of normal voltage characteristics via normal electrical feeders to run one elevator at a time in each elevator group t at full-rated car speed and capacity.

2. Conductor from auxiliary form "C" dry contacts, located in the standby power transfer switch to a designated elevator control panel in each elevator group . Provide a time delay of 30 - 45 seconds for pre-transfer signal in either direction.
3. Standby single-phase power to group controller, and each elevator controller for car lighting, exhaust blower, emergency signaling device..
4. Means for absorbing regenerated power during an overhauling load condition per NEC 620.91.
5. Standby power to machine room ventilation or air conditioning.
6. Standby power to emergency communications devices.

END OF SECTION

SECTION 14220

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SECTION 14220

ELECTRIC TRACTION ELEVATOR MODERNIZATION

PART 1 GENERAL

1.01 WORK INCLUDED

- A. Two traction elevators as follows:
 - 1. Two (2) Geared Passenger Elevators Cars 1,2
- B. All engineering, equipment, labor, and permits required to satisfactorily complete elevator modernization required by Contract Documents.
- C. Applicable conditions of General, Special, and Supplemental Conditions, Division 1, and all sections listed in Contract Documents "Table of Contents."
- D. Warranty and interim maintenance as described in Section 01800 and herein.
- E. Additional equipment or finishes furnished under other sections, installed under this section:
 - 1. In car Firefighters' telephone jacks if required
 - 2. Card reader security system
- F. Cartage and Hoisting: All required staging, hoisting, and movement to, on, and from the site including new equipment, reused equipment, or dismantling and removal of existing equipment.
- G. Unless specifically identified as "Reuse," "Retain," or "Refurbish," provide new equipment.
- H. Protective barrier(s) between car(s) in normal operation and adjacent car(s) in the modernization process. Full depth and height of hoistway.
- I. Hoistway, pit, and machine room barricades as required.

1.02 RELATED WORK PROVIDED UNDER OTHER SECTIONS

- A. See Section 01900, Related Work Provided Under Other Sections.

1.03 DEFINITIONS

- A. Terms used are defined in the latest edition of the Safety Code for Elevators and Escalators, ASME A17.1.
- B. Reference to a device or a part of the equipment applies to the number of devices or parts required to complete the installation.
- C. Provisions of this specification are applicable to all elevators unless identified otherwise.

1.04 QUALITY ASSURANCE

- A. Compliance with Regulatory Agencies: See Section 01040, Project Procedures.

B. Warranty:

1. Material and workmanship of installation shall comply in every respect with Contract Documents. Correct defective material or workmanship which develops within one year from date of final acceptance of all work to satisfaction of Architect, Owner and Consultant at no additional cost, unless due to ordinary wear and tear or improper use or care by Owner. Perform maintenance in accordance with terms and conditions indicated in the Preventive Maintenance Agreement.
2. Defective is defined to include, but not be limited to: Operation or control system failures, car performance below required minimum, excessive wear, unusual deterioration, or aging of materials or finishes, unsafe conditions, the need for excessive maintenance, abnormal noise, or vibration, and similar unsatisfactory conditions.
3. Retained Equipment: All retained components, parts, and materials shall be cleaned, checked, modified, repaired, or replaced so each component and its parts are in like new operating condition. Retained equipment must be compatible for integration with new systems. All retained equipment shall be covered under the warranty provisions, of Article 1.04, D., 1. & 2. above. No proration of equipment or parts shall be allowed on preventive maintenance contract, between the Contractor and Owner.
4. Make modifications, requirements, adjustments, and improvements to meet performance requirements of Sections 01700 and 14220.

1.05 DOCUMENT AND SITE VERIFICATION

- A. In order to discover and resolve conflicts or lack of definition which might create problems, Contractor must review Contract Documents and site conditions for compatibility with its product prior to submittal of quotation. Review existing structural, electrical, and mechanical provisions for compatibility with Contractor's products. Owner will not pay for change to structural, mechanical, electrical, or other systems required to accommodate Contractor's equipment.

1.06 SUBMITTALS

- A. See Section 01300, Submittals, and Section 01700, Final Contract Compliance Review, Article 1.03.

1.07 PERMIT, TEST AND INSPECTION

- A. Obtain and pay for permit, license, and inspection fee necessary to complete installation.
- B. Perform test required by Governing Authority in accordance with procedure described in ASME A17.2 Guide for Inspection of Elevators, Escalators, and Moving Walks in the presence of Authorized Representative.
- C. Supply personnel and equipment for test and final review by Consultant as required in Section 01700.

1.08 MAINTENANCE

- A. Interim: See Section 01800, Maintenance, Article 1.01, A.
- B. Warranty Maintenance: See Section 01800, Maintenance, Article 1.02, A.

PART 2 PRODUCTS

2.01 SUMMARY

A. Two Passenger Elevators

B. Unless specifically identified as "retain existing," provide new equipment.

	Existing Equipment	Disposition
Number:	Cars 1,2	Retain Existing
Capacity:	3000 #	Retain Existing
Class Loading:		Retain Existing
Contract Speed:	300 F.P.M.	Retain Existing
Roping:		Retain Existing
Machine:	Geared	
Machine Location:	Overhead	Retain Existing
Supervisory Control:		Group Automatic Microprocessor-Based System
Operational Control:		Duplex Selective Collective Microprocessor-Based System
Motor Control:		AC Variable Voltage Variable Frequency Microprocessor Based with Digital Closed-Loop Feedback
Power Characteristics:	208 Volts, 3 Phase, 60 Hertz Field Verify	Retain Existing ALL NEW EQUIPMENT SHALL BE COMPATIBLE WITH EXISTING BUILDING SYSTEM
Stops:	6 Front	Retain Existing
Openings:	6 Front	Retain Existing
Floors Served:	B, 1-5 Front	Retain Existing
Travel:	Field Verify	Retain Existing
Entrance Size:		Retain Existing
Entrance Type:	Single Center Opening	Retain Existing

	Existing Equipment	Disposition
Door Operation:		High Speed, Heavy-Duty, Door Operator, Minimum Opening Speed 2-1/2 F.P.S.
Door Protection:		3-Dimensional Infrared, Full Screen Device with Differential Timing, Nudging and Interrupted Beam Time
Safety:		Flexible Guide Clamp-Type B, Car
Guide Rails:	Planed Steel Tees	Retain Existing
Buffers:	Oil	Retain Existing
Car Enclosure:		As Specified Pad Buttons and Vinyl Covered Pads Cars 1 & 2 Battery Powered Emergency Car Lighting. Provide Separate Constant Pressure Test Button In Car Service Compartment. Illuminate Portion of Normal Car Lighting
Signal Fixtures:		LED Illumination Contractor's Standard
Hall and Car Pushbutton Stations:		Single Hall Pushbutton Riser
Car Position Indicators:		Dual Digital with Car Direction Arrows
Hall Lanterns:		Firefighters' Control Panel At All Floors with Volume Adjustable Electronic Chime or Tone. Sound Twice for Down Direction

	Existing Equipment	Disposition
Hall Car Position Indicator:		Digital with Car Direction Arrows at Lobby Floor
Communication System:		Self-Dialing, Vandal Resistant, Push to Call, Two-Way Communication System with Recall, Tracking and Voiceless Communication
Additional Features		Car and Counterweight Roller Guides Car Top Inspection Station Firefighters' Service, Phase I and II, including Alternate Floor Return Standby Power Transfer (Automatic to Main Floor) with Manual Override in Firefighters' Control Panel Accessibility Signage Stationary Car Return Panel Arranged for Surface Applied Car Operating Panel Hoistway Access Switches, Top And Bottom Floors Platform Isolation Load-Weighing Device Anti-Nuisance Feature Independent Service Feature Individual Floor Lockoff Feature Card Reader Provisions Firefighters' Control Panel and Remote Wiring

Existing Equipment

Disposition

Machine, Power Conversion Unit,
and Controller Sound Isolation

Tamper Resistant Fasteners for All
Fastenings Exposed to the Public

One Year Warranty Maintenance
with 24-Hour Call-Back Service at
no cost to the owner

Seismic Devices

Signage Engraving Filled with Black
Paint or Approved Etching Process

No Visible Company Name or Logo

Wiring Diagrams, Operating
Instructions, and Parts Ordering
Information

System Diagnostic Means and
Instructions

Non-Proprietary Control System
and Diagnostics Provisions

2.02 MATERIALS

- A. See Section 01600, Materials.

2.03 CAR AND GROUP PERFORMANCE

- A. Car Speed: $\pm 3\%$ of contract speed under any loading condition.
- B. Car Capacity: Safely lower, stop and hold 125% of rated load.
- C. Car Stopping Zone: $\pm 1/4"$ under any loading condition.
- D. Door Opening Time: 1.8-2.0 Seconds from start of opening to fully open:
- E. Door Closing Time: 2.7-2.9 Seconds from start of closing to fully closed:
- F. Car Floor-to-Floor Performance Time: 11.1 Seconds from start of doors closing until doors are 3/4 open (1/2 open for side opening doors) and car level and stopped at next successive floor under any loading condition or travel direction (13' 0" typical floor height):
- G. Car Ride Quality:
1. Horizontal and vertical acceleration within car during all riding and door operating conditions. Not more than 20 mg peak to peak (adjacent peaks) in the 1 - 10 Hz range.

2. Acceleration and Deceleration: Smooth constant and not less than and not more than 3 feet/second² with an initial ramp between 0.5 and 0.75 second.
 3. Measurement Standards: Measure and evaluate ride quality consistent with ISO 18738, using low pass cutoff frequency of 10 Hz and A95 peak-to-peak average calculations.
- H. Noise and Vibration Control
1. Airborne Noise: Measured noise level of elevator equipment and its operation shall not exceed 55 dBA inside car under any condition including door operation and car ventilation exhaust blower on its highest speed. Limit noise level in the machine room relating to elevator equipment and its operation to no more than 80 dBA. All dBA readings to be taken 3'-0" off the floor and 3'-0" from the equipment using the "A" weighted scale.
 2. Vibration Control: All elevator equipment provided under this contract, including power unit, controller, oil supply lines, and their support shall be mechanically isolated from the building structure and electrically isolated from the building power supply and to each other to minimize the possibility of objectionable noise and vibrations being transmitted to occupied areas of the building.

2.04 OPERATION

- A. Duplex Selective Collective Microprocessor-Based:
1. Operate cars without attendants from pushbuttons in cars and located at each floor. When cars are available, park one car at main floor ("home" car). Park other car where last used ("free" car).
 2. Respond to car calls and hall calls above main floor using the free car. Once a car has started, respond to registered calls in the direction of travel and in the order the floors are reached.
 3. Do not reverse car direction until all car calls have been answered, or until all hall calls ahead of the car and corresponding to the direction of car travel have been answered.
 4. Slow cars and stop automatically at floors corresponding to registered calls in the order in which they are approached in either direction of travel. As slowdown is initiated for a hall call, automatically cancel hall call. Cancel car calls in the same manner. Hold car at arrival floor an adjustable time interval to allow passenger transfer.
 5. Answer calls corresponding to direction in which car is traveling unless call in the opposite direction is the highest (or lowest) call registered.
 6. When the free car is clearing calls, start home car to respond to:
 - a. A call registered on home car pushbuttons.
 - b. An up hall call registered below free car.
 - c. An up or a down call registered above free car while free car is traveling down.
 - d. A hall call when free car is delayed in its normal operation for a predetermined period.
 7. When both cars are clearing calls, stop only one car in response to any registered hall call. Return the first car to clear its calls to main floor. Should last service required bring both cars to main floor, the first arriving car becomes the free car.
 8. Illuminate appropriate pushbutton to indicate call registration. Extinguish light when call is answered.
- B. Group Automatic:
1. Approved microprocessor-based, group dispatch, car and motion control systems as follows:

- a. MCE: M3
 2. Include as a minimum, the following features:
 - a. Operate cars as a group capable of balancing service and providing continuity of group operation with one or more cars removed from the system.
 - b. Register service calls from pushbuttons located at each floor and in each car. Slow cars and stop automatically at floors corresponding to registered calls. Make stops at successive floors for each direction of travel irrespective of order in which calls are registered except when bypassing hall calls to balance and improve overall service; stop only one car in response to a particular hall call. Assign hall calls to specific cars and continually review and modify those assignments to improve service. Simultaneous to initiation of slow down of a car for a hall call, cancel that call. Render hall pushbutton ineffective until car doors begin to close after passenger transfer. Cancel car calls in the same manner. Give priority to coincidental car and hall calls in car assignment.
 - c. Operate system to meet changing traffic conditions on a service demand basis. Include provisions for handling traffic which may be heavier in either direction, intermittent or very light. As traffic demands change, automatically and continually modify group and individual car assignment to provide the most-effective means to handle current traffic conditions. Provide means to sense long-wait hall calls and preferentially serve them. Give priority to coincidental car and hall calls in hall call assignment. Accomplish car direction reversal without closing and reopening doors.
 - d. Use easily reprogrammable system software. Design basic algorithm to optimize service based on equalizing system response to registered hall calls and equalizing passenger trip time to shortest possible time.
 - e. Required Features:
 - 1) Dispatch Protection: Backup dispatching shall function in the same manner as the primary dispatching.
 - 2) Delayed Car Removal: Automatically remove delayed car from group operation.
 - 3) Position Sensing: Update car position when passing or stopping at each landing.
 - 4) Hall Pushbutton Failure: Provide multiple power sources and separate fusing for pushbutton risers.
 - 5) Communication link: Provide serial or duplicate communication link for all group and individual car computers.
- C. Other Items:
1. Load Weighing: Provide means for weighing car passenger load. Control system to provide dispatching at main floor in advance of normal intervals when car fills to capacity. Provide hall call by-pass when the car is filled to preset percentage of rated capacity and traveling in down direction. Field adjustment range: 10% to 100%.
 2. Anti-Nuisance Feature: If car loading relative to weight in car is not commensurate with number of registered car calls, cancel car calls. Systems employing either load weighing or door protective device for activation of this feature are acceptable.
 3. Independent Service: Provide controls for operation of each car from its pushbuttons only. Close doors by constant pressure on desired destination floor button or door close button. Open doors automatically upon arrival at selected floor.
- D. Firefighters' Service: Provide equipment and operation in accordance with Code requirements.

- E. Automatic Car Stopping Zone: Stop car within 1/4" above or below the landing sill. Maintain stopping zone regardless of load in car, direction of travel, distance between landings, hoist rope slippage, or stretch.
- F. Remote Monitoring and Diagnostics: Equip each controller and the group dispatch logic controller with standard ports, interface boards, and drivers to accept maintenance, data logging, fault finding diagnostic and monitoring computers, keyboards, modems, and programming tools. The system shall be capable of driving remote color CRT monitor(s) that continually scan and display the status of each car and call.
- G. Motion Control: Microprocessor based AC, variable-voltage, variable frequency with digitally encoded closed-loop velocity feedback suitable for operation specified and capable of providing smooth, comfortable car acceleration, retardation, and dynamic braking. Limit the difference in car speed between full load and no load to not more than $\pm 3\%$ of the contract speed.
- H. Door Operation: Automatically open doors when car arrives at main floor. At expiration of normal dwell time, close doors. Provide "heavy door/variable air pressure" feature for consistent specified door operation within appropriate speed and inertia limits.
- I. Standby Lighting and Alarm: Car mounted battery unit with solid-state charger to operate alarm bell and car emergency lighting. Battery to be rechargeable with minimum 5-year life expectancy. Include required transformer. Provide constant pressure test button in service compartment of car operating panel. Provide lighting integral with portion of normal car lighting system.
- J. Standby Power Operation: Upon loss of normal power, adequate standby power will be supplied via building electrical feeders to simultaneously start and run one car in each group and single cars at contract car speed and capacity.
 - 1. Automatically return one car at a time in each group and single car(s) nonstop to designated floor, open doors for approximately 3.0 seconds, close doors, and park car. During return operation, car and hall call pushbuttons shall be rendered inoperative. As each car parks, system shall immediately select the next car until all cars in a group have returned to the designated floor. If a car fails to start or return within 30 seconds, system shall automatically select the next car in the group to automatically return.
 - 2. When all cars in a group have returned to the designated floor, one car in each group shall be designated for automatic operation. When a service demand exists for 30 seconds and designated car fails to start, next available car in the group shall be automatically selected for operation.
 - a. Switches shall be labeled "STANDBY POWER OVERRIDE" with positions marked "AUTO" and appropriate car numbers controlled by each respective switch. Key shall be utilized for firefighters' Phase I and II key switch. Key shall be removable in "AUTO" position only.
 - b. Switch shall override automatic return and automatic selection functions, and cause the manually selected car to operate. Manual selection shall cause car to start and proceed to designated floor and open and close its doors before standby power is manually transferred to next selected car.
 - c. Provide "STANDBY POWER" indicator lights, one per car, in firefighters' control panel. Indicator light illuminates when corresponding car is selected, automatically or manually, to operate on standby power.
 - 3. Successive Starting: When normal power is restored or there has been a power interruption, individual cars in each bank shall restart at five second intervals.

- K. Security System: Provide means to limit access to each building floor for Cars as follows:
 - 1. Individual floor lockout means in main car operating panel to prevent registration of car calls to any selected secure floor.
 - 2. Arrange system so that independent service overrides security system.
 - 3. Arrange system so that firefighters' service overrides security system.
 - 4. Actuate hall lantern each time car arrives at main lobby during secure mode operation.
 - 5. Provide warning light and signal in lobby indicator panel to indicate an attempt to register unauthorized destinations or to open car doors when car is moving or parked at a secured floor. Provide reset switch or button to cancel warning light and signal.

- L. Card/Proximity Reader Security System: Provide provisions inside cars for reader unit. Mount reader unit as directed by Architect and cross connect from car pushbuttons to control module in machine room. Reader control unit, mounting brackets, wiring materials, logic circuits, etc., by Security Subcontractor. Elevator control systems shall facilitate system tracking of persons accessing secure floors via printout by passenger I.D. number, floor accessed, and time of entry.

2.05 MACHINE ROOM EQUIPMENT

- A. Arrange equipment in existing machine room spaces

- B. NEW Geared Traction Hoist Machine:
 - 1. Single worm geared or helical geared traction type with AC induction or P.M.S.M. ACV3F motor, brake, gear, drive shaft, deflector sheave, and gear case mounted in proper alignment on an isolated bedplate. Provide bedplate blocking to elevate deflector sheave above machine room floor.
 - 2. Provide hoist machine mounted direct drive, digital, closed-loop velocity encoder.
 - 3. Provide hoist machine drip pans to collect lubricant seepage.

- C. Solid State Power Conversion and Regulation Unit:
 - 1. Design unit to limit current, suppress noise, and prevent transient voltage feedback into building power supply. Provide internal heat sink cooling fans for the power drive portion of the converter panels. Conform to IEEE standards 519-1992 for line harmonics and switching noise.
 - 2. Isolate unit to minimize noise and vibration transmission. Provide isolation transformers, filter networks, and choke inductors.
 - 3. Suppress solid-state converter noises, radio frequency interference, and eliminate regenerative transients induced into the mainline feeders or the building standby power generator.
 - 4. Supplemental direct-current power for the operation of hoist machine brake, door operator, dispatch processor, signal fixtures, etc, from separate static power supply.

- D. Encoder: Direct drive, solid-state, digital type. Update car position at each floor and automatically restore after power loss.

- E. Controller: UL/CSA labeled.
 - 1. Compartment: Securely mount all assemblies, power supplies, chassis switches, relays, etc., on a substantial, self-supporting steel frame. Completely enclose equipment with covers. Provide means to prevent overheating.
 - 2. Relay Design: Magnet operated with contacts of design and material to insure maximum conductivity, long life, and reliable operation without overheating or excessive wear. Provide wiping action and means to prevent sticking due to fusion. Contacts carrying high inductive currents shall be provided with arc deflectors or suppressors.

3. Microprocessor-Related Hardware:
 - a. Provide built-in noise suppression devices which provide a high level of noise immunity on all solid-state hardware and devices.
 - b. Provide power supplies with noise suppression devices.
 - c. Isolate inputs from external devices (such as pushbuttons) with opto-isolation modules.
 - d. Design control circuits with one leg of power supply grounded.
 - e. Safety circuits shall not be affected by accidental grounding of any part of the system.
 - f. System shall automatically restart when power is restored.
 - g. System memory shall be retained in the event of power failure or disturbance.
 - h. Equipment shall be provided with Electro Magnetic Interference (EMI) shielding within FCC guidelines.
 4. Wiring: CSA labeled copper for factory wiring. Neatly route all wiring interconnections and securely attach wiring connections to studs or terminals.
 5. Permanently mark components (relays, fuses, PC boards, etc.) with symbols shown on wiring diagrams.
 6. Provide controller or machine mounted auxiliary, lockable "open," disconnect if mainline disconnect is not in sight of controller and/or machine.
- F. Sleeves and Guards: Provide 4" steel angle guards around cable or duct slots through floor slabs or grating.
- G. REUSE Machine and Equipment Support Beams: Retain existing in place. Provide all required supplemental supports and attachments.
- H. NEW Governor: Centrifugal-type, car driven machine room mounted with pull-through jaws and bi-directional shutdown switches. Provide required bracketing and supports for attachment to building structure.
- I. Emergency Brake:
 1. Provide means to prevent ascending car over-speed and unintended car movement per Code.
 2. Acceptable emergency brake devices:
 - a. BODE Rope Brake
 - b. Hollister-Whitney Rope Gripper
 3. Mount the auxiliary brake on suitable structural steel supports. Provide a drawing showing the supports, stamped by Professional Engineer verifying the adequacy of the support provided.
 4. Provide control circuits to enable the device to function as required by Code.

2.06 HOISTWAY EQUIPMENT

- A. REUSE Guide Rails: Retain main and counterweight guide rails in place.
1. Clean rails and brackets. Remove rust.
 2. Check all rail and bracket fastenings and tighten.
 3. Realign rails as required to provide smooth car ride.
 4. Provide supplemental rail brackets and/or backing as required by Code or to enhance car ride quality.
- B. REUSE Buffers, Car, and Counterweight: Retain existing.
1. Drain, flush, refill, test, and tag.
 2. Rebuild as required and paint.

- C. NEW Sheaves: Machined grooves and sealed bearings. Provide mounting means to machine beams, machine bedplate, car and counterweight structural members, or building structure.
- D. REUSE Counterweight: Retain existing.
- E. NEW Counterweight Guide Shoes: Spring dampened roller guide shoes.
- F. REUSE Counterweight Guard: Metal guard in pit. Retain existing.
- G. NEW Governor Rope Sheaves: Mount sheaves and support frame on pit floor or guide rail. Provide frame with guides or pivot point to enable free vertical movement and proper tension of rope and tape.
- H. NEW Hoist and Governor Ropes:
 - 1. 8 x 19 or 8 x 25 Seale construction, traction steel type. Fasten with staggered length, adjustable, spring isolated wedge type shackles.
 - 2. Governor rope to suit Contractor's specification.
- I. NEW Terminal Stopping: Provide normal and final devices.
- J. Electrical Wiring and Wiring Connections:
 - 1. Conductors and Connections: Copper throughout with individual wires coded and connections on identified studs or terminal blocks. Use no splices or similar connections in wiring except at terminal blocks, control compartments, or junction boxes. Provide 10% spare conductors throughout. Run spare wires from car connection points to individual elevator controllers in the machine room. Provide four pair of spare shielded communication wires in addition to those required to connect specified items. Tag spares in machine room.
 - 2. Conduit: Painted or galvanized steel conduit, EMT, or duct. Conduit size, 1/2" minimum. Flexible heavy-duty service cord may be used between fixed car wiring and car door switches for door protective devices.
 - 3. Traveling Cables: Flame and moisture-resistant outer cover. Prevent traveling cable from rubbing or chafing against hoistway or equipment within hoistway. Provide five (5) pair of shielded wires. Provide two (2) RG-6/U coaxial CCTV cables within traveling cable from car controller to car top, plus 3'-0" excess loop at both ends. Provide two (2) pair 14 gauge wire for CCTV power.
 - 4. Auxiliary Wiring: Connect fire alarm initiating devices, emergency two-way communication system, firefighters' phone jack, paging speaker, CCTV, card reader, intercom, and announcement speaker and/or background music.
- K. NEW Entrance Equipment:
 - 1. Door Hangers: Two-point hanger roller with neoprene roller surface and suspension with eccentric upthrust roller adjustment.
 - 2. Door Tracks: Bar or formed, cold-drawn removable steel tracks with smooth roller contact surface.
 - 3. Door Interlocks: Operable without retiring cam. Paint interlock box flat black.
 - 4. Door Closers: Spring, spirator, or jamb/strut mounted counterweight type. Design and adjust to insure smooth, quiet mechanical close of doors.
- L. NEW Hoistway Access Switches: Mount in top and bottom floors. Provide switch with faceplate.

- M. Floor Numbers: Stencil paint 4" high floor designations in contrasting color on inside face of hoistway doors or hoistway fascia in location visible from within car.

2.07 HOISTWAY ENTRANCES

- A. REUSE Frames: Retain existing. Provide Arabic floor designation/Braille plates, centered at 60" above finished floor, on both side jambs of all entrances. Provide plates at main egress landing with "Star" designation. For designated emergency car, provide "Star of Life" designation plates at height of 78" – 84" above finished floor on both side jambs at all floors. Braille indications shall be below Arabic floor designation. Provide cast floor designation/Braille plates as manufactured by SCS, Vision Mark, or Entrada
- B. REUSE Door Panels: Retain existing. Provide new door gibs with fire tabs at all floors. Minimum two gibs per panel, one at leading edge, and one at trailing edge of each panel
- C. REUSE Sight Guards: Retain existing. Replace damaged sight guards and provide new astragals.
- D. REUSE Sills: Retain existing. Clean from end to end. Check and tighten all fastenings.
- E. REUSE Sill Supports: Retain existing. Check and tighten all fastenings.
- F. REUSE Fascia, Toe Guards, and Hanger Covers: Retain existing. Provide as required where damaged or missing. Check and tighten all fastenings.
- G. REUSE Struts and Headers: Retain existing. Check and tighten all fastenings.

2.08 CAR EQUIPMENT

- A. REUSE Frame: Retain Existing. Check and tighten all fastenings.
- B. NEW Safety Device: New Type "B," flexible guide clamp.
- C. REUSE Platform: Retain existing. Reinforce if required. Check and tighten all fastenings.
- D. NEW Platform Apron: Provide new extended platform apron to meet Code. Minimum 14 gauge steel, reinforced and braced to car platform front black enamel finish.
- E. NEW Guide Shoes: Roller type with three or more spring dampened sound-deadening rollers per shoe. Minimum 6 inch diameter roller guides.
- F. REUSE Sills: Retain existing. Clean and polish. Check and tighten all fastenings.
- G. NEW Doors: Provide 16 gauge steel, sandwich construction without binder angles. Provide leading edges of center-opening doors with rubber astragals. Provide a minimum of two (2) gibs per panel, one at leading and one at trailing edge with gibs in the sill groove entire length of door travel. Construct door panels with interlocking, stiffening ribs. Architectural metal cladding shall wrap around leading and trailing edge of panel and return a minimum of 1/2" on rear side of leading edge of panel
- H. NEW Door Hangers: Two-point hanger roller with neoprene roller surface and suspension with eccentric upthrust roller adjustment.

- I. NEW Door Track: Bar or formed, cold-drawn removable steel track with smooth roller contact surface.
- J. NEW Door Header: Construct of minimum 12 gauge steel, shape to provide stiffening flanges.
- K. NEW Door Electrical Contact: Prohibit car operation unless car door is closed.
- L. NEW Door Clutch: Heavy-duty clutch, linkage arms, drive blocks and pickup rollers or cams to provide positive, smooth, quiet door operation. Design clutch so car doors can be closed, while hoistway doors remain open.
- M. Restricted Opening Device: Restrict opening of car door(s) outside unlocking zone. Plunger type restrictors not acceptable.
- N. NEW Door Operator: High speed, heavy-duty door operator capable of opening doors at no less than 2-1/2 f.p.s.. Accomplish reversal in no more than 2-1/2" of door movement. Provide solid-state door control with closed loop circuitry to constantly monitor and automatically adjust door operation based upon velocity, position, and motor current. Maintain consistent, smooth, and quiet door operation at all floors, regardless of door weight or varying air pressure. Acceptable closed-loop door operators:
 - 1. KONE AMD 2.0
 - 2. Otis i Motion II
 - 3. Schindler QKS
 - 4. ThyssenKrupp HD91 StarTrac
 - 5. G.A.L. MOVFR
 - 6. Mitsubishi LV4K
- O. Door Control Device:
 - 1. Infrared Reopening Device: Black fully enclosed device with full screen infrared matrix or multiple beams extending vertically along leading edge of each door panel to minimum height of 7'-0" above finished floor. Device shall prevent doors from closing and reverse doors at normal opening speed if beams are obstructed while doors are closing, except during nudging operation. In event of device failure, provide for automatic shutdown of car at floor level with doors open
 - a. Acceptable Infrared 3D Reopening Device:
 - 1) Cegard/MAX-154 by CEDES
 - 2) Gatekeeper by Adams
 - 3) Lambda 3D by Otis
 - 4) Microlite 3D by ThyssenKrupp
 - 5) Pana40 Plus 3D by Janus
 - 2. Nudging Operation: After beams of door control device are obstructed for a predetermined time interval (minimum 20.0 - 25.0 seconds), warning signal shall sound and doors shall attempt to close with a maximum of 2.5 foot pounds kinetic energy. Activation of the door open button shall override nudging operation and reopen doors.
 - 3. Interrupted Beam Time: When beams are interrupted during initial door opening, hold door open a minimum of 3.0 seconds. When beams are interrupted after the initial 3.0 second hold open time, reduce time doors remain open to an adjustable time of approximately 1.0 - 1.5 seconds after beams are reestablished.
 - 4. Differential Door Time: Provide separately adjustable timers to vary time that doors remain open after stopping in response to calls.
 - a. Car Call: Hold open time adjustable between 3.0 and 5.0 seconds.
 - b. Hall Call: Hold open time adjustable between 5.0 and 8.0 seconds. Use hall call time when car responds to coincidental calls.

- P. Car Operating Panel:
1. One car operating panel(s) with faceplate, consisting of a metal box containing operating fixtures, mounted behind the car stationary front return panel. Faceplate shall be hinged and constructed of stainless steel, satin finish.
 2. Suitably identify floor buttons, alarm button, door open button, door close button and emergency push-to-call button with SCS, Visionmark, or Entrada cast tactile symbols recessed flush rear mounted. Configure plates per local building code accessibility standards including Braille. Locate operating controls no higher than 48" above the car floor; no lower than 35" for emergency push-to-call button and alarm button.
 3. Provide minimum 3/4" diameter raised floor pushbuttons which illuminate to indicate call registration. Include 5/8" high floor designation on face of pushbutton.
 4. Provide alarm button to ring bell located on car. Illuminate button when actuated.
 5. Provide keyed stop switch at bottom of car operating panel in locked car service compartment. Mark device to indicate "run" and "stop" positions.
 6. Provide "door open" button to stop and reopen doors or hold doors in open position.
 7. Provide "door close" button to activate door close cycle. Cycle shall not begin until normal door dwell time for a car or hall call has expired, except firefighters' operation.
 8. Provide firefighters' Phase II key switch with engraved instructions filled red. Include light jewel, buzzer, and call cancel button.
 9. Install firefighters' telephone jack with approved mounting bezel matching adjacent controls.
 10. Provide lockable service compartment with recessed flush door. Door material and finish shall match car return panel or car operating panel faceplate. Inside surface of door shall contain an integral flush window for displaying the elevator operating permit.
 11. Include the following controls in lockable service cabinet with function and operating positions identified by permanent signage or engraved legend:
 - a. Inspection switch.
 - b. Light switch.
 - c. Two Speed Blower Three-position exhaust blower switch. Independent service switch.
 - d. Constant pressure test button for battery pack emergency lighting.
 - e. 120-volt, AC, GFCI protected electrical convenience outlet.
 - f. Card reader override switch.
 - g. Stop switch.
 - h. Switch to select either floor voice annunciation, floor passing tone, or chime.
 12. Provide black paint filled (except as noted), engraved, or approved etched signage as follows with approved size and font:
 - a. Phase II firefighters' operating instructions on main operating panel above corresponding keyswitch filled red.
 - b. Car number on main car operating panel.
 - c. "No Smoking" main car operating panel.
 - d. Car capacity in pounds on service compartment door.
- Q. NEW Car Top Control Station: Mount to provide safe access and utilization while standing in an upright position on car top.
- R. NEW Work Light and Duplex Plug Receptacle: GFCI protected outlet at top of car. Include on/off switch and lamp guard. Provide additional GFCI protected outlet on car top for installation of car CCTV .
- S. Communication System:
1. "Push to Call," two-way communication instrument in car with automatic dialing, tracking, and recall features with shielded wiring to car controller in machine room. Provide dialer with automatic rollover capability with minimum two numbers.

- a. "Push to Call" button or adjacent light jewel shall illuminate and flash when call is acknowledged. Button shall match car operating panel pushbutton design. Provide uppercase "PUSH TO CALL" "HELP ON THE WAY" engraved signage adjacent to button.
 - b. Provide "Push to Call" button tactile symbol, engraved signage, and Braille adjacent to button mounted integral with car front return panel.
2. Firefighters' telephone jack in car, with four shielded wires to machine room junction box. Jack bezel shall match adjacent controls.
 3. Provide two-way communication between car and machine room if required.

2.09 CAR ENCLOSURE

- A. REUSE Car Enclosure Passenger/Service Elevator: Retain existing car shell. Remove existing interior finishes, weigh, and document. Check and tighten all fastenings. Provide new interior finishes as specified and/or detailed on architectural drawings. Verify weight of new interior finishes does not exceed weight of removed finishes by more than Code allowable. Modify shell for application of new signal and pushbutton fixtures.
- B. NEW Car Enclosure Passenger Elevator: Provide complete as specified herein. Provide the following features.
 1. Shell: RETAIN EXISTING
 2. Canopy: RETAIN EXISTING
 3. Front Return Panels: Clad stainless steel satin finish with cutouts for car operating pane and other equipment.
 4. Transom: Clad gauge stainless steel satin finish full width of enclosure
 5. Car Door Panels: Reinforced minimum 16 gauge stainless steel satin finish. Same construction as hoistway door panels. Architectural metal cladding shall wrap around leading and trailing edge of panel and return a minimum of 1/2" on rear side of leading edge of panel.
 6. Base: Stainless steel with concealed ventilation cutouts.
 7. Interior Wall Finish: Removable panels, faced and edged, with color core plastic laminate. Color and finish as selected by owner
 8. Ventilation: Two-speed Blower mounted to car canopy on isolated rubber grommets. Exhaust blower shall meet requirements of Item 2.03, H.
 9. Lighting: Provide direct incandescent fixtures with wiring and hookup. Coordinate with emergency lighting requirements. Provide emergency lighting integral with portion of normal car lighting system. Include required transformer.
 10. Suspended Ceiling: Six-section stainless steel satin finish island ceilings. With six low voltage down lights
 11. Handrails: Minimum 1-1/4" diameter stainless steel tubular grab bar across rear wall
 12. Pads and Buttons Cars 1 & 2: Three-piece removable pads. Two pads covering side walls and adjacent front returns and one covering rear wall. Provide cutouts to access main car operating panel.

2.10 HALL CONTROL STATIONS

- A. Pushbuttons: Provide a riser with flush mounted faceplates. Include pushbuttons for each direction of travel which illuminate to indicate call registration. Include approved engraved message and pictorial representation prohibiting use of elevator during fire or other emergency situation as part of faceplate. Pushbutton design shall match car operating panel pushbuttons. Provide enlarged faceplate to cover existing wall blackout and facilitate handicapped access requirements. Include approved engraved message and pictorial representation prohibiting use of elevator during fire or other emergency situation as part of faceplate. Provide any cutting and patching required.

2.11 SIGNALS

- A. NEW Hall Lantern: Provide at each entrance to indicate travel direction of arriving car. Illuminate up or down LED lights and sound tone once for up and twice for down direction prior to car arrival at floor. Sound level shall be adjustable from 20-80 dBA measured at 5'-0" in front of hall control station and 3'-0" off floor. Illuminate light until the car doors start to close. Provide advanced hall lantern notification to comply with ADA hall call notification time. Car direction lenses shall be arrow shaped with faceplates. Lenses shall be minimum 2-1/2" in their smallest dimension.
- B. NEW Car Position Indicator: Alpha-numeric digital indicator containing floor designations and direction arrows a minimum of 2" high to indicate floor served and direction of car travel. Locate fixture in car front return panel. When a car leaves or passes a floor, illuminate indication representing position of car in hoistway. Illuminate proper direction arrow to indicate direction of travel.
- C. NEW Hall Position Indicator: Alpha-numeric digital indicator containing floor designations and direction arrows a minimum of 2" high to indicate floor served and direction of car travel. Mount integral with hall lanterns at Lobby floor.
- D. Floor Passing Tone: Provide an audible tone of no less than 20 decibels and frequency of no higher than 1500 Hz, to sound as the car passes or stops at a floor served.
- E. Voice Synthesizer: Provide electronic device with easily reprogrammable message and male voice to announce car direction, floor, emergency exiting instructions, etc.

2.12 SEISMIC OPERATIONS AND EQUIPMENT

- A. Provide design, components, and operation per governing code. Provide dual counterweight derailment sensing wires vertically each side of counterweight the entire height of travel. The counterweight frame shall be equipped with a minimum of four derailment rings. A dual axis seismic switch shall be provided that will activate at no less than 0.15 times gravity in the vertical or horizontal directions. A minimum of one seismic switch shall be provided per single or group of elevators. Counterweight retainer plates must be bolted.

PART 3 EXECUTION

3.01 SITE CONDITION INSPECTION

- A. Prior to beginning installation of equipment, examine hoistway and machine room areas. Verify no irregularities exist which affect execution of work specified.
- B. Do not proceed with installation until work in place conforms to project requirements.

3.02 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Deliver material in Contractor's original, unopened protective packaging.
- B. Store material in original protective packaging. Prevent soiling, physical damage, or moisture damage.

- C. Protect equipment and exposed finishes from damage and stains during transportation, erection, and construction.

3.03 INSTALLATION

- A. Install all equipment in accordance with Contractor's instructions, referenced codes, specification, and approved submittals.
- B. Install machine room equipment with clearances in accordance with referenced codes, and specification.
- C. Install all equipment so it may be easily removed for maintenance and repair.
- D. Install all equipment for ease of maintenance.
- E. Install all equipment to afford maximum accessibility, safety, and continuity of operation.
- F. Remove oil, grease, scale, and other foreign matter from the following equipment and apply one coat of field-applied machinery enamel.
 - 1. All exposed equipment and metal work installed as part of this work which does not have architectural finish.
 - 2. Machine room equipment, and pit equipment.
 - 3. Neatly touch up damaged factory-painted surfaces with original paint color. Protect machine-finish surfaces against corrosion.

3.04 FIELD QUALITY CONTROL

- A. Work at jobsite will be checked during course of installation. Full cooperation with reviewing personnel is mandatory. Accomplish corrective work required prior to performing further installation.
- B. Have Code Authority acceptance inspection performed and complete corrective work.

3.05 ADJUSTMENTS

- A. Install rails plumb and align vertically with tolerance of 1/16" in 100'-0". Secure joints without gaps and file any irregularities to a smooth surface.
- B. Static balance car to equalize pressure of guide shoes on guide rails.
- C. Lubricate all equipment in accordance with Contractor's instructions.
- D. Adjust motors, power conversion units, brakes, controllers, leveling switches, limit switches, stopping switches, door operators, interlocks, and safety devices to achieve required performance levels.

3.06 CLEANUP

- A. Keep work areas orderly and free from debris during progress of project. Remove packaging materials on a daily basis.
- B. Remove all loose materials and filings resulting from work.
- C. Clean machine room equipment and floor.

D. Clean hoistways, car, car enclosure, entrances, operating and signal fixtures.

3.07 ACCEPTANCE REVIEW AND TESTS

A. See Section 01700, Article 1.02, Consultant's Final Observation and Review Requirements.

3.08 OWNER'S INFORMATION

A. See Section 01700, Article 1.03, Final Contract Compliance Review.

END OF SECTION

AIA Document G702 - 1992

Application and Certificate for Payment

TO OWNER: PROJECT: APPLICATION NO: Distribution to: OWNER ARCHITECT CONTRACTOR FIELD OTHER

FROM CONTRACTOR: VIA ARCHITECT:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment as shown below, in connection with the Contract Agreement, Contract No. _____, between Contractor and Owner, as amended.

1. ORIGINAL CONTRACT SUM

2. NET CHANGE BY CHANGE ORDERS

3. CONTRACT SUM TO DATE (Line 1 + 2)

4. TOTAL COMPLETED & STORED TO DATE (Column 1 of G701)

5. RETAINAGE

6. of Completed Work (Column 1 of G701)

7. of Stored Material (Column 1 of G701)

8. Total Retainage (Lines 6 + 7 or Total in Column 1 of G701)

9. TOTAL EARNED LESS RETAINAGE

10. Date Earned Less Retainage

11. LESS PREVIOUS CERTIFICATES FOR PAYMENT

12. Date of Previous Certificate

13. CURRENT PAYMENT DUE

14. BALANCE TO FINISH, INCLUDING RETAINAGE

15. Date to Finish

CHANGED UNDER MINORITY	ADJUSTMENTS	DEDUCTIONS
Total Charges Adjusted in previous months to Owner	\$	\$
Total approved this Month	\$	\$
TOTALS	\$	\$
NET CHANGED this Change Order	\$	\$

The undersigned Contractor certifies that on the basis of the Contractor's Association, independent and before the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: _____

By: _____ Date: _____

Signature of _____

Subscribed and sworn to before me this _____ day of _____

Notary Public _____

My Commission Expires _____

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on my observations and the data concerning the application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated on quality of the Work in accordance with the Contract Documents and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED \$

Application and fee for certification have been forwarded to the Owner with the amount certified.

ARCHITECT: _____

Date: _____

This Certificate is not receivable. The AMOUNT CERTIFIED is payable only in the Contractor's normal terms of payment, provided and accepted in payment and without prejudice to any right of the Owner or Contractor under this Contract.

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OFFICE OF
CLERK OF THE BOARD OF SUPERVISORS
1st FLOOR, COUNTY ADMINISTRATIVE CENTER
P.O. BOX 1147, 4080 LEMON STREET
RIVERSIDE, CA 92502-1147
PHONE: (951) 955-1060
FAX: (951) 955-1071

KECIA HARPER-IHEM
Clerk of the Board of Supervisors

KIMBERLY A. RECTOR
Assistant Clerk of the Board

April 19, 2010

THE PRESS ENTERPRISE
ATTN: LEGALS
PO BOX 792
RIVERSIDE, CA 92501

VIA FAX (951) 368-9018
E-MAIL: legals@pe.com

RE: NOTICE INVITING BIDS: CJB ELEVATOR MODERNIZATION PROJECT

To Whom It May Concern:

Attached is a copy for publication in your newspaper for **TWO (2) TIMES on two consecutive Wednesdays: April 21 and 28, 2010.**

We require your affidavit of publication immediately upon completion of the last publication.

Your invoice must be submitted to this office in duplicate, WITH TWO CLIPPINGS OF THE PUBLICATION.

NOTE: PLEASE COMPOSE THIS PUBLICATION INTO A SINGLE COLUMN FORMAT.

Thank you in advance for your assistance and expertise.

Sincerely,

Mcgil

Cecilia Gil, Board Assistant to
KECIA HARPER-IHEM, CLERK OF THE BOARD

3.25 of 04-20-10

Gil, Cecilia

From: Schlemmer, Sandi A.
Sent: Monday, April 19, 2010 10:32 AM
To: Gil, Cecilia
Subject: FW: Please publish CJB Elevator Modernization Notice Inviting Bids...
Attachments: image005.emz

FYI

Sandi Schlemmer
Clerk of the Board of Supervisors

Effective August 14, 2009 the County Administrative Center will be closed every Friday until further notice. Business hours for the Clerk of the Board Office will be Monday through Thursday, 7:00 a.m. to 5:00 p.m.



Please consider your responsibility to the environment before printing this email.

From: PE Legals [mailto:legals@pe.com]
Sent: Monday, April 19, 2010 10:25 AM
To: Schlemmer, Sandi A.
Subject: RE: Please publish CJB Elevator Modernization Notice Inviting Bids...

Received for publication on April 21 and 28

Thank You! ~Maria G. Tinajero • The Press Enterprise Legal Adv. • 1.800.880.0345 (Phone) • 951.368.9018 (fax) • Please Note: Deadline is 10:30 AM two (2) business days prior to the date you would like to publish.

From: Schlemmer, Sandi A. [mailto:SASCHLEMMER@rcbos.org]
Sent: Monday, April 19, 2010 10:08 AM
To: PE Legals
Cc: Gil, Cecilia
Subject: Please publish CJB Elevator Modernization Notice Inviting Bids...
Importance: High

Please publish the attached Notice Inviting Bids for the CJB Elevator Modernization as indicated in the attached cover letter. In addition, please acknowledge receipt of this e-mail and its attachment. Thank you for your time and assistance.

Sandi Schlemmer, Deputy Clerk



Riverside County Clerk of the Board of Supervisors
951-955-1062 - telephone
951-955-1071 - facsimile
saschlemmer@rcbos.org - e-mail

WARNING: This email is confidential and intended solely for the use of the individual(s) to whom it is addressed.

Effective August 14, 2009 the County Administrative Center will be closed every Friday until further notice by order of the Board of Supervisors. Business hours for the Clerk of the Board Office will be Monday through Thursday, 7:00 a.m. to 5:00 p.m.



Please consider your responsibility to the environment before printing this email.

NOTICE INVITING BIDS

COUNTY OF RIVERSIDE, herein called Owner, invites sealed proposals for:

Criminal Justice Building (CJB), Riverside Elevator Modernization Project 4095 Lemon Street, Riverside CA

Refurbish and Modernize Two Elevators

Proposals shall be delivered to the Clerk of the Board of Supervisors, on the 1st floor of the County Administrative Center located at 4080 Lemon Street, Riverside, CA 92501 no later than **2:30 PM on Thursday, May 13, 2010**, and will be promptly opened in public at said address.

Each Proposal shall be in accordance with the Plans, Specifications, and other Contract Documents, March 25, 2010, and prepared by Lerch Bates. A nonrefundable fee will be charged for each set of Plans and Specifications furnished to Contractors. Plans and Specifications may be obtained, beginning Wednesday, April 21, 2010 from OCB at 4295 Main Street, Riverside, CA; Phone: 951.686.0530, Attn: Plan Room. Prospective bidders are responsible for placing orders and making payments for a copy or copies of the plans and specifications including shipping and handling. All fees are due at the time of request and must be paid by check or money order made payable to OCB.

Pursuant to the Labor Code, the Governing Board of the Owner has obtained from the Director of the Department of Industrial Relations, State of California, his determination of general prevailing rates of per diem wages applicable to the work, and for holiday and overtime work, including employer payments for health and welfare, pension, vacation, and similar purposes, as set forth on the schedule which is on file at the principal office of the Owner, and which will be made available to any interested person upon request.

The Contractor will be required per Public Contract Code §3300 and for this project, to have a State of California contractor's license classification **C-11, Elevator**.

A mandatory pre-bid conference will be held on at **8:30 AM on Thursday, May 6, 2010**, at the Criminal Justice Building, located at 4095 Lemon Street, Riverside CA. Meet under the canopy by the middle entry door on the south side of the building off of Lemon Street. *(Note: Paid parking is available but limited around the perimeter of the CJB facility and downtown Riverside, so please allow enough time for parking your vehicle).* **No bids will be accepted from bidders who have not attended the pre-bid job walk.**

For further information, contact:

Carl Shiroma, Lerch Bates (Consultant): Phone: 858.345.0174 / Email: carl.shiroma@lerchbates.com
or Rizaldy Baluyot (Co of Riverside): Phone: 951.232.9268 / Email: RBaluyot@rivcoeda.org

Dated: April 19, 2010

Kecia Harper-Ihem, Clerk of the Board
By: Cecilia Gil, Board Assistant

Legal Advertising Invoice

⑨ REMITTANCE ADDRESS
 POST OFFICE BOX 12009
 RIVERSIDE, CA 92502-2209
 FAX (951) 368-9026

① BILLING PERIOD 04/28/10 - 04/28/10
 ② ADVERTISING/CLIENT NAME BOARD OF SUPERVISORS
 ③ BILLING DATE 04/28/10 FOR BILLING INFORMATION CALL (951) 368-9713
 ④ PAGE NO 1
 ⑤ TOTAL AMOUNT DUE 340.00
 ⑥ UNAPPLIED AMOUNT 0
 ⑦ TERMS OF PAYMENT Due Upon Receipt

⑧ BILLED ACCOUNT NAME AND ADDRESS
 BOARD OF SUPERVISORS
 COUNTY OF RIVERSIDE
 P.O. BOX 1147
 RIVERSIDE CA 92502

⑨ BILLED ACCOUNT NUMBER 045202
 ⑩ REP NO LE04

Statement #: 56536290 Amount Paid \$ _____ Your Check # _____

PLEASE DETACH AND RETURN UPPER PORTION WITH YOUR REMITTANCE

⑪ DATE	⑫ REFERENCE	⑬ DESCRIPTION-OTHER COMMENTS/CHARGES	⑭ SAU SIZE ⑮ BILLED UNITS	⑯ RATE	⑰ GROSS AMOUNT	⑱ NET AMOUNT
04/21	4178821 CO	NIB - CJB ELEVATOR MODERNIZATI Class : 10 Ctext Ad# 10237207 Placed By : Cecilia Gil	136 L	1.30		176.80
04/28	4178821 CO	NIB - CJB ELEVATOR MODERNIZATI Class : 10 Ctext Ad# 10237207 Placed By : Cecilia Gil	136 L	1.20		163.20

EDA
3.25 of 04/20/10

**RECEIVED RIVERSIDE COUNTY
CLERK / BOARD OF SUPERVISORS
2011 MAY -3 PM 4: 19**

COMING SOON! Electronic Tearsheet Delivery Service
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⑳ CURRENT NET AMOUNT DUE	㉑ 30 DAYS	㉒ 60 DAYS	㉓ OVER 90 DAYS	* UNAPPLIED AMOUNT	㉔ PLEASE PAY THIS AMOUNT
					340.00

THE PRESS-ENTERPRISE  P.O. BOX 12009
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 (951) 368-9720 (951) 368-9713

ADVERTISING STATEMENT/INVOICE

 * UNAPPLIED AMOUNTS ARE INCLUDED IN TOTAL AMOUNT DUE

㉕ STATEMENT NUMBER	㉖ BILLING PERIOD	㉗ BILLED ACCOUNT NUMBER	㉘ ADVERTISER/CLIENT NUMBER	㉙ ADVERTISER/CLIENT NAME
56536290	04/28/10 - 04/28/10	045202		BOARD OF SUPERVISORS

THE PRESS-ENTERPRISE

3450 Fourteenth Street
Riverside CA 92501-3878
951-684-1200
951-368-9018 FAX

**PROOF OF PUBLICATION
(2010, 2015.5 C.C.P.)**

Press-Enterprise

PROOF OF PUBLICATION OF

Ad Desc.: NIB - CJB Elevator Modernization Pr

I am a citizen of the United States. I am over the age of eighteen years and not a party to or interested in the above entitled matter. I am an authorized representative of THE PRESS-ENTERPRISE, a newspaper of general circulation, printed and published daily in the County of Riverside, and which newspaper has been adjudicated a newspaper of general circulation by the Superior Court of the County of Riverside, State of California, under date of April 25, 1952, Case Number 54446, under date of March 29, 1957, Case Number 65673 and under date of August 25, 1995, Case Number 267864; that the notice, of which the annexed is a printed copy, has been published in said newspaper in accordance with the instructions of the person(s) requesting publication, and not in any supplement thereof on the following dates, to wit:

04-21-10
04-28-10

I Certify (or declare) under penalty of perjury that the foregoing is true and correct.

Date: Apr. 28, 2010
At: Riverside, California



BOARD OF SUPERVISORS
P.O. BOX 1147
COUNTY OF RIVERSIDE
RIVERSIDE CA 92502

Ad #: 10237207

PO #:

Agency #: _____

Ad Copy:

NOTICE INVITING BIDS

COUNTY OF RIVERSIDE, herein called Owner, invites sealed proposals for:

**Criminal Justice Building (CJB), Riverside Elevator Modernization Project
4095 Lemon Street, Riverside CA
Refurbish and Modernize Two Elevators**

Proposals shall be delivered to the Clerk of the Board of Supervisors, on the 1st floor of the County Administrative Center located at 4080 Lemon Street, Riverside, CA 92501 no later than 2:30 PM on Thursday, May 13, 2010, and will be promptly opened in public at said address.

Each Proposal shall be in accordance with the Plans, Specifications, and other Contract Documents, March 25, 2010, and prepared by Lerch Bates. A nonrefundable fee will be charged for each set of Plans and Specifications furnished to Contractors. Plans and Specifications may be obtained, beginning Wednesday, April 21, 2010 from OCB at 4295 Main Street, Riverside, CA; Phone: 951.686.0530, Attn: Plan Room. Prospective bidders are responsible for placing orders and making payments for a copy or copies of the plans and specifications including shipping and handling. All fees are due at the time of request and must be paid by check or money order made payable to OCB.

Pursuant to the Labor Code, the Governing Board of the Owner has obtained from the Director of the Department of Industrial Relations, State of California, his determination of general prevailing rates of per diem wages applicable to the work, and for holiday and overtime work, including employer payments for health and welfare, pension, vacation, and similar purposes, as set forth on the schedule which is on file at the principal office of the Owner, and which will be made available to any interested person upon request.

The Contractor will be required per Public Contract Code §3300 and for this project, to have a State of California contractor's license classification C-11, Elevator.

A mandatory pre-bid conference will be held on at 8:30 AM on Thursday, May 6, 2010, at the Criminal Justice Building, located at 4095 Lemon Street, Riverside CA. Meet under the canopy by the middle entry door on the south side of the building off of Lemon Street. (Note: Paid parking is available but limited around the perimeter of the CJB facility and downtown Riverside, so please allow enough time for parking your vehicle). No bids will be accepted from bidders who have not attended the pre-bid job walk.

For further information, contact:

Carl Shiroma, Lerch Bates (Consultant): Phone: 858.345.0174 / Email: carl.shiroma@lerchbates.com or Rizaldy Baluyot (Co of Riverside): Phone: 951.232.9268 / Email: RBaluyot@rivcoeda.org

Dated: April 19, 2010
Kecia Harper-Ihem, Clerk of the Board
By: Cecilia Gil, Board Assistant

4/21, 28

Bid Summary

TO: Pamela J. Walls
County Counsel

PROJECT: Criminal Justice Building
Elevator Modernization

FROM: Jane Jennings 955-8092
Clerk of the Board

BID DATE: 05/20/2010

OWNER: Tim Warner, Facilities
(951) 955-4896

BID TIME: 2:30 p.m.

ITEM/DATE: #3.25 of 04/20/10

CONTRACTORS

BASE BID

ThyssenKrupp Elevator
1601 S. Sunkist St., Suite E
Anaheim, CA 92806
(866) 939-0888

\$ 366,707.00

Otis Elevator Company
711 E. Ball Road, Suite 200
Anaheim, CA 92805
(714) 563-7135

\$ 391,200.00

Mitsubishi Electric & Electronics USA, Inc.
5665 Plaza Drive
Cypress, CA 90630
(714) 220-4700

\$ 401,500.00

Schindler Elevator Corporation
3585 Cadillac Avenue, Suite B
Costa Mesa, CA 92626
(714) 361-3043

\$ 460,310.00



RECEIVED

MAY 24 2010

COUNTY COUNSEL
TO

MEV

MEMORANDUM



RIVERSIDE COUNTY COUNSEL

CONFIDENTIAL
ATTORNEY-CLIENT PRIVILEGE

DATE: June 2, 2010

TO: Jane Jennings
Clerk of the Board

FROM: Marsha L. Victor
Deputy County Counsel

RE: Bids for Criminal Justice Elevator Modernization

The four bids submitted for the above referenced project have been reviewed by this office. The bids are as shown in your summary of bids.

There appears to be some additional language or sheets added to the bids which will need to be reviewed in conjunction with the bid specifications. A review of the documentation will be performed in conjunction with the bidding department and a determination of bid compliance will be forwarded to the department.

All documentation submitted is returned herewith.


MLV/tr

cc: Tim Warner
EDA/Design & Construction

CONTRACTOR'S PROPOSAL

TO THE GOVERNING BOARD OF THE COUNTY OF RIVERSIDE:

Date: MAY 20, 2010

Bidder: TANSENKRUP ELEVATOR

The undersigned, having carefully examined the proposed site and the Plans and Specifications, the Notice Inviting Bids, the Instructions to Bidders, the Agreement Form, the Bond Forms, the General Conditions for the: **Criminal Justice Building (CJB), Riverside Elevator Modernization Project**, located at 4095 Lemon Street, Riverside CA (Refurbish and modernize two elevators), hereby proposes and agrees to furnish all tools, equipment, services, apparatus, facilities, transportation, labor and materials necessary to complete the work in strict conformity with the Plans and Specifications, including all work specified in Addenda numbered and dated:

Addendum No. 1 Date MAY 6, 2010

Addendum No. 2 Date MAY 10 2010

Addendum No. 3 Date MAY 12, 2010

For the total Base Bid THREE HUNDRED SIXTY-SIX THOUSAND, SEVEN HUNDRED SEVEN AND N/100 dollars (\$ 366,707⁰⁰), including all applicable taxes, permits, licenses, AND **Course of Construction Insurance**.

And,

Cost of Contractor's Course of Construction Insurance INCLUDED AT NO dollars (\$ 0) and deductible \$ 0 **CHARGE**

Bids must be submitted on all items. Failure to bid on all items may result in the bid being rejected as non-responsive. The basis for award will be the qualified bidder with the lowest total of the **BASE BID WITH COURSE OF CONSTRUCTION INSURANCE**.

AWARD OF CONTRACT

The undersigned fully understands that a Contract is formed upon the acceptance of this Proposal by the Owner and the undersigned further agrees that upon request he will promptly execute and deliver to Owner a written memorial of the Contract together with the required Payment and Performance Bonds and proof of insurance.

BID GUARANTEE

The enclosed certified or cashier's check or bidder's bond on approved form, made payable to the Owner in the amount of ten percent of the total bid submitted herewith, is hereby given as a guarantee that the bidder will execute and deliver the above mentioned written memorial and required bonds and insurance if awarded the contract, and in the event that the undersigned fails or refuses to execute and deliver said documents, such check or bond is to be charged with the costs of the damages experienced by the Owner as a result of such failure or refusal, including but not limited to publication costs, the difference in money between the amount of the bid of the said principal and the amount for which obligee may legally contract with another party to perform the said work if such amount be in excess of the former, building lease or rental costs, transportation costs and additional salary costs that result from the delay due to the principal's default on the awarded contract. In no event, however, shall the Surety's liability exceed the penal sum hereof.

Name of Bidder: THYSSSENKRUPP ELEVATOR
Type of Organization: CORPORATION
Signed By: *Lynn Magill*
Title of Signer: LYNN MAGILL
Address of Bidder: CONTRACT ANALYST
1601 S. ANAHEIM STREET STE E.
ANAHEIM CA. 92806
Telephone No.: 866 939 0388
Contractor's License No.: 651371
Classification: C-11 Expiration Date: 7-31-2010

Affix Seal
If
Corporation

LICENSURE STATEMENTS ARE MADE UNDER PENALTY OF PERJURY

If bidder is a corporation, and signer is not President or Secretary, attach a certified copy of By-Laws or resolution authorizing execution. If bidder is a corporation, affix corporate seal. If signer is an agent, attach Power of Attorney. If bidder is not an individual, list names of other persons authorized to bind the organization.

Bid Bond

KNOWN TO ALL MEN BY THESE PRESENTS, that we, the undersigned ThyssenKrupp Elevator Corporation, as Principal; and Federal Insurance Company, as Surety, are hereby held and firmly bound unto the County of Riverside, hereinafter called the "Owner", in the sum of Ten Percent of Bid Dollars (\$ 10% of Bid) for the payment of such sum, well and truly to be made, do hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

WHEREAS, the said Principal is herewith submitting its Proposal for the Criminal Justice Building (CJB), Riverside Elevator Modernization Project, located at 4095 Lemon Street, Riverside CA (Refurbish and modernize two elevators).

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, that if the aforesaid Principal shall be awarded the Contract upon said Proposal and shall, within the required number of days after the notice of such award, execute a written memorial of the awarded Contract and submit the required Labor and Material Payment and faithful Performance Bond and proof of insurance, then this obligation shall be null and void; and in the event that the Principal fails and/or refuses to execute and deliver said documents this Bond will be charged with the costs of the damages experienced by the Owner as a result of such refusal, including but not limited to, publication cost, the difference in money between the amount of the bid of the said Principal and the amount for which the obligee may legally contract with another party to perform the said work if such amount be in excess of the former; building lease or rental costs, transportation cost, and additional salary costs that result from the delay due to the Principal's default on the awarded Contract. In no event however, shall the Surety's liability exceed the penal sum hereof.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Owner may accept such bid; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the above bounded parties have executed this instrument under their separate seals this 20th day of May, 2010, the name and corporate seal of each corporate party being hereto affixed and those present duly signed by its undersigned representative, pursuant to authority of its governing body.

ThyssenKrupp Elevator Corporation

(Firm Name - Principal)

1601 S. Sunkist St., Ste. E, Anaheim, CA 92806

(Business Address)

By 

(Original Signature)

LYNN MAGILL
CONTRACT ANALYST

Affix Seal
If
Corporation

(Title)

Federal Insurance Company

(Corporation Name - Surety)

15 Mountain View Road, Warren, NJ 07059

(Business Address)

By 

(Original Signature)

Adrienne C. Stevenson

Affix
Corporate
Seal

ATTORNEY-IN-FACT

STATE OF ILLINOIS
COUNTY OF COOK

On this 20th day of May, 2010, before me
personally came Adrienne C. Stevenson to
me known, who being by so duly sworn, did depose and say: that he/she is

Attorney-In-Fact of Federal Insurance Company

the Corporation described in and which executed the foregoing instrument;
that he/she knows the seal of said Corporation; that the seal affixed to said
instrument is such corporate seal; that it was so affixed by authority
granted to him/her in accordance with the By-Laws of the said Corporation,
and that he/she signed his/her name thereto by like authority.



A handwritten signature in blue ink, appearing to read "Rhonda Clark", is written over a horizontal line.

NOTARY PUBLIC

My Commission Expires

July 14, 2013



**Chubb
Surety**

**POWER
OF
ATTORNEY**

**Federal Insurance Company
Vigilant Insurance Company
Pacific Indemnity Company**

**Attn: Surety Department
15 Mountain View Road
Warren, NJ 07059**

Know All by These Presents, That FEDERAL INSURANCE COMPANY, an Indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, and PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, do each hereby constitute and appoint

Adrienne C. Stevenson

as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, the following Surety Bond:

Surety Bond Number : Bid Bond
Obligor : County of Riverside

And the execution of such bond or obligation by such Attorney-in-Fact in the Company's name and on its behalf as surety thereon or otherwise, under its corporate seal, in pursuance of the authority hereby conferred shall, upon delivery thereof, be valid and binding upon the Company.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY have each executed and attested these presents and affixed their corporate seals on this 20th day of November, 2008.

Kenneth C. Wendel

Kenneth C. Wendel, Assistant Secretary

Richard A. Ciullo

Richard A. Ciullo, Vice President

STATE OF NEW JERSEY ss.
County of Somerset

On this 20th day of November, 2008, before me, a Notary Public of New Jersey, personally came Kenneth C. Wendel, to me known to be Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY, the companies which executed the foregoing Power of Attorney, and the said Kenneth C. Wendel, being by me duly sworn, did depose and say that he is Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with Richard A. Ciullo, and knows him to be Vice President of said Companies; and that the signature of Richard A. Ciullo, subscribed to said Power of Attorney is in the genuine handwriting of Richard A. Ciullo, and was thereto subscribed by authority of said By-Laws and in deponent's presence.

Notarial Seal



**WENDIE WALSH
Notary Public, State of New Jersey
No. 0054504
Commission Expires April 18, 2013**

Wendie Walsh

Notary

Public

CERTIFICATION

Extract from the By-Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Kenneth C. Wendel, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that

- (i) the foregoing extract of the By-Laws of the Companies is true and correct,
- (ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U.S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U.S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and
- (iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 20th day of May, 2010



Kenneth C. Wendel

Kenneth C. Wendel, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY Telephone (908) 903- 3493 Fax (908) 903- 3656 e-mail: surety@chubb.com

**NONCOLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND
SUBMITTED WITH BID**

State of California) ss.
County of Riverside)

_____, being first duly sworn, deposes and says:

That he or she is CHUCK MORRIS of THYSSENKRUPP ELEVATOR
the party making the foregoing bid; that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Chuck Morris
Signature

Subscribed and sworn to before me this 19th day of MAY, 2010.

[Signature]
Signature of officer administering oath

For Documents Acknowledged On or After January 1, 2008

CALIFORNIA
CIVIL CODE 1189

(a) (1) Any certificate of acknowledgment taken within this state shall be in the following form:

ACKNOWLEDGMENT

State of California

County of SAN BERNARDINO

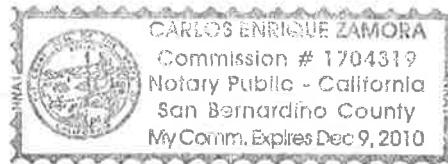

On 5/19/2010 before me, CARLOS ENRIQUE ZAMORA, Notary Public
(here insert name and title of the officer)
personally appeared CHARLES F. MORRIS

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) ~~is/are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature



(Seal)

ThyssenKrupp Elevator
Americas Business Unit



ThyssenKrupp

May 19, 2010

Mr. Tim Warner
County of Riverside Facilities Management
3403 Tenth Street, Suite 400
Riverside, CA 92507

Re: Criminal Justice Building
Elevator Modernization and Maintenance Bid Clarification

Dear Mr. Warner;

We would like to thank you for the opportunity to submit prices for the modernization and maintenance of the elevators located at 4095 Lemon Street, Riverside, CA.

Alternate Add: Clad Hall Door jambs with SS#4 and provide new SS#4 Hall Doors.

Thirty-three thousand, Four hundred Eighty-eight and NO/100, \$33,488.00

Our modernization and maintenance group are available to meet with you and Lerch Bates & Associates to further discuss this project at your convenience. Again, thank you for the opportunity of submitting pricing for this project and please let us know if you have any questions or need further information.

Sincerely,

A handwritten signature in blue ink that reads "Chuck Morris".

Chuck Morris
Modernization Account Representative

RE: COUNTY OF RIVERSIDE CRIMINAL JUSTICE BUILDING

Page 2 of 2

BID REVIEW

These clarifications shall be made part of ThyssenKrupp Elevator's bid. In the event of conflict with other articles, terms, conditions, or contract documents, these clarifications shall govern.

AGREEMENT FORM, Time for Completion & GENERAL CONDITIONS, Article 6: Amend so that both parties shall agree to all schedules and completion dates in writing before becoming effective and the progress of work shall be upon reference to these schedules.

GENERAL CONDITIONS, Articles 2.3.3 & 2.3.4: Amend so that the Additional Insured is defended and indemnified for actions arising from Contractor's acts, actions, omissions or neglects; but is not defended or indemnified for its own acts, actions, omissions, neglects or bare allegations.

GENERAL CONDITIONS, Article 2.3.7(a): Amend to delete reference to insurance deductibles or self-insured retentions being declared to the County.

GENERAL CONDITIONS, Article 2.3.7(b): Amend so that Contractor shall not be required to provide certified copies of insurance policies.

GENERAL CONDITIONS, Article 2.4.1: ThyssenKrupp Elevator shall not indemnify for losses caused by others. In all cases involving the responsibility of more than one party, each party shall be liable in an amount proportionate to said parties share of negligence.

GENERAL CONDITIONS, Article 6.1.2: Amend the first line to delete "in the opinion of the County".

GENERAL CONDITIONS, Article 7.2: Acceptance of liquidated damages shall be mutually agreed and such is expressly contingent upon a mutually agreed project schedule. Should liquidated damages apply, each day that such a milestone is missed, a full day shall be added to the schedule for completion of the elevator(s) at no penalty to Contractor. Further, liquidated damages, if assessed, shall only be in proportion to Contractor's share of the responsibility but shall not exceed 5% of the purchase price set forth in the Agreement.

GENERAL CONDITIONS, Article 8.6.2: Amend so the County shall provide water, gas and electricity to Contractor, at no cost to Contractor.

GENERAL CONDITIONS, Article 8.12.1: Amend so the County shall provide heat, electric power and lights to Contractor, at no cost to Contractor.

GENERAL CONDITIONS, Article 20.1: Amend so County shall pay Contractor thirty-five percent (35%) of the contract price within 30 days from the receipt of the contract agreement. This initial progress payment will be applied to project management, permits, engineering and shop drawings, submittals, drilling mobilization (if required) and raw material procurement. Material will be ordered once this payment is received and contract is fully ratified.

RE 5/11/10

SPECIFICATION SECTION 14220,

Section 2.05 C-2, Isolation Transformers are not included in our bid, TKE will provide a 208 Volt A/C motor that will not require a transformer.

Section 2.09, Our bid includes new elevator cab interior finishes as per specifications, flooring is not included and will be provided by others if required.

Section 2.04 K-5, No Lobby panel is included in our bid.



ThyssenKrupp Elevator
Americas Business Unit

ThyssenKrupp Elevator Corporation
6087 Triangle Drive
Los Angeles, CA 90040

ThyssenKrupp

SEALED BID RECEIVED
CLERK OF THE BOARD OF SUPERVISORS

RECEIVED RIVERSIDE COUNTY
CLERK / BOARD OF SUPERVISORS
2010 MAY 20 PM 1:56

RIVERSIDE CRIMINAL JUSTICE BUILDING (CTB)
ELEVATOR MODERNIZATION

BID DUE MAY 20, 2010 @ 2:30 PM

CONTRACTOR'S PROPOSAL

TO THE GOVERNING BOARD FOR THE COUNTY OF RIVERSIDE:

Date: **May 20, 2010**

Bidder: **Otis Elevator Company**

The undersigned, having carefully examined the proposed site and the Plans and Specifications, the Notice Inviting Bids, the Instructions to Bidders, the Agreement Form, the Bond Forms, the General Conditions for the: Criminal Justice Building (CJB), Riverside Elevator Modernization Project, located at 4095 Lemon Street, Riverside CA (Refurbish and modernize two elevators), hereby proposes and agrees to furnish all tools, equipment, services, apparatus, facilities, transportation, labor and materials necessary to complete the work in strict conformity with the Plans and Specifications, including all work specified in Addenda numbered and dated:

Addendum No. 1 Date **May 6, 2010**
Addendum No. 2 Date **May 10, 2010**
Addendum No. 3 Date **May 12, 2010**

For the total Base Bid of **Three Hundred Ninety-One Thousand, Two Hundred dollars (\$391,200.00)**, including all applicable taxes, permits, licenses, AND Course of Construction Insurance.

And,

Cost of Contractor's Course of Construction Insurance of **zero dollars (\$ 0.00)** and deductible **\$0.00**

Bids must be submitted on all items. Failure to bid on all items may result in the bid being rejected as non-responsive. The basis for award will be the qualified bidder with the lowest total of the **BASE BID WITH COURSE OF CONSTRUCTION INSURANCE**.

ADD ALTERNATE 1 Interim Monthly Maintenance Service

Furnish interim preventative maintenance on completed units until the modernization of each group of elevators is complete and one-year warranty maintenance, defined in Section 01800, item 1.02, is commenced. Cost of interim maintenance shall be included as part of modernization proposal and listed on Contractor's Proposal Form. Contractor shall invoice the Owner separately for costs of interim maintenance.

Total price of interim maintenance that is included in base bid: \$400.00 per month for one elevator. Total time for interim maintenance will be 3 months. **Total price for interim maintenance: \$1,200.00.**


Gary Simjian 5-20-2010

DESIGNATION OF SUBCONTRACTORS

In compliance with Section 4104 of the Public Contract Code the undersigned submits the following complete list of each Subcontractor who will perform work or labor or render service in or about the construction/installation in an amount in excess of 1/2 of 1% of said total bid.

<u>PORTION OF THE WORK</u>	<u>SUBCONTRACTOR</u>	<u>ADDRESS</u>
Elevator cab interiors	CityLift	858 W. Cienega Ave., San Dimas, CA 91773

AWARD OF CONTRACT

The undersigned fully understands that a Contract is formed upon the acceptance of this Proposal by the Owner and the undersigned further agrees that upon request he will promptly execute and deliver to Owner a written memorial of the Contract together with the required Payment and Performance Bonds and proof of insurance.

BID GUARANTEE

The enclosed certified or cashier's check or bidder's bond on approved form, made payable to the Owner in the amount of ten percent of the total bid submitted herewith, is hereby given as a guarantee that the bidder will execute and deliver the above mentioned written memorial and required bonds and insurance if awarded the contract, and in the event that the undersigned fails or refuses to execute and deliver said documents, such check or bond is to be charged with the costs of the damages experienced by the Owner as a result of such failure or refusal, including but not limited to publication costs, the difference in money between the amount of the bid of the said principal and the amount for which obligee may legally contract with another party to perform the said work if such amount be in excess of the former, building lease or rental costs, transportation costs and additional salary costs that result from the delay due to the principal's default on the awarded contract. In no event, however, shall the Surety's liability exceed the penal sum hereof.

Name of Bidder: **OTIS ELEVATOR COMPANY**
Type of Organization: **CORPORATION**
Signed By: **Gary Simjian**
Title of Signer: **Account Manager - Modernization**
Address of Bidder: **711 E. Ball Road, Suite 200, Anaheim, CA 92805**
Telephone No.: **714-563-7135**
Contractor's License No.: **7031**
Classification: **C-11**
Expiration Date: **11/30/2011**

LICENSURE STATEMENTS ARE MADE UNDER PENALTY OF PERJURY

If bidder is a corporation, and signer is not President or Secretary, attach a certified copy of By-Laws or resolution authorizing execution. If bidder is a corporation, affix corporate seal. If signer is an agent, attach Power of Attorney. If bidder is not an individual, list names of other persons authorized to bind the organization.

**NONCOLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND
SUBMITTED WITH BID**

State of California) ss.
County of ~~Riverside~~)
Los Angeles

Gary Simjian _____, being first duly sworn, deposes and says:

That he or she is Account Manager - mod of Otis Elevator
the party making the foregoing bid; that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.



Signature

Subscribed and sworn to before me this 20th day of May, 2010.

See attached certificate

Signature of officer administering oath

CALIFORNIA JURAT WITH AFFIANT STATEMENT

- See Attached Document (Notary to cross out lines 1-6 below)
 See Statement Below (Lines 1-5 to be completed only by document signer[s], *not* Notary)

1 _____
2 _____
3 _____
4 _____
5 _____
6 _____

Signature of Document Signer No. 1 _____ Signature of Document Signer No. 2 (if any) _____

State of California

County of Los Angeles

Subscribed and sworn to (or affirmed) before me on this

20th day of May, 20 10, by
Date Month Year

(1) Gary Simjian
Name of Signer

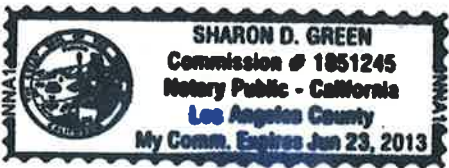
proved to me on the basis of satisfactory evidence to be the person who appeared before me (.) (,)

(and

(2) _____
Name of Signer

proved to me on the basis of satisfactory evidence to be the person who appeared before me.)

Signature [Signature]
Signature of Notary Public



Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Further Description of Any Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

RIGHT THUMBPRINT OF SIGNER #1
Top of thumb here

RIGHT THUMBPRINT OF SIGNER #2
Top of thumb here

Bid Bond

KNOWN TO ALL MEN BY THESE PRESENTS, that we, the undersigned Otis Elevator Company, 711 E. Ball Road, Ste 200, Anaheim, CA 92805, as Principal; and Liberty Mutual Insurance Company, as Surety, are hereby held and firmly bound unto the County of Riverside, hereinafter called the "Owner", in the sum of Ten Percent of the Amount Bid Dollars (\$ 10% Amt. bid) for the payment of such sum, well and truly to be made, do hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

WHEREAS, the said Principal is herewith submitting its Proposal for the **Criminal Justice Building (CJB), Riverside Elevator Modernization Project**, located at 4095 Lemon Street, Riverside CA (Refurbish and modernize two elevators).

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, that if the aforesaid Principal shall be awarded the Contract upon said Proposal and shall, within the required number of days after the notice of such award, execute a written memorial of the awarded Contract and submit the required Labor and Material Payment and faithful Performance Bond and proof of insurance, then this obligation shall be null and void; and in the event that the Principal fails and/or refuses to execute and deliver said documents this Bond will be charged with the costs of the damages experienced by the Owner as a result of such refusal, including but not limited to, publication cost, the difference in money between the amount of the bid of the said Principal and the amount for which the obligee may legally contract with another party to perform the said work if such amount be in excess of the former; building lease or rental costs, transportation cost, and additional salary costs that result from the delay due to the Principal's default on the awarded Contract. In no event however, shall the Surety's liability exceed the penal sum hereof.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Owner may accept such bid; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the above bounded parties have executed this instrument under their separate seals this 18th day of May, 2010, the name and corporate seal of each corporate party being hereto affixed and those present duly signed by its undersigned representative, pursuant to authority of its governing body.

Otis Elevator Company
(Firm Name - Principal)

711 E. Ball Road, Suite 200, Anaheim, CA 92805
(Business Address)

By *Halina Kazmierczak*
(Original Signature) Halina Kazmierczak

Attorney-in-Fact
(Title)

Liberty Mutual Insurance Company
(Corporation Name - Surety)

175 Berkeley Street, Boston, MA 02116
(Business Address)

By *Sandra Diaz*
(Original Signature) Sandra Diaz

ATTORNEY-IN-FACT

Affix Seal
If
Corporation

Affix
Corporate
Seal

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of New York

County of New York

On May 18th, 2010 before me, Evangelina L. Dominick, Notary Public, personally appeared Halina Kazmierczak, Attorney-in-Fact who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of New York that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(seal)

Signature Evangelina L. Dominick

EVANGELINA L. DOMINICK
Notary Public State of New York
01D04769474
Qualified in Westchester County
Term Expires January 31, 2011

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of New York

County of New York

On May 18th, 2010 before me, Evangelina L. Dominick, Notary Public, personally appeared Sandra Diaz, Attorney-in-Fact who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of New York that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(seal)

Signature Evangelina L. Dominick

EVANGELINA L. DOMINICK
Notary Public State of New York
01DO4769474
Qualified in Westchester County
Term Expires January 31, 2011

SPECIAL POWER OF ATTORNEY

OTIS ELEVATOR COMPANY, a corporation organized and existing under the laws of the State of New Jersey ("the Company"), on behalf of itself, its subsidiaries and affiliates, hereby makes, constitutes and appoints **AON RISK SERVICES, INC. OF CONNECTICUT**, a corporation organized and existing under the laws of the State of Connecticut and **AON RISK SERVICES, INC. OF NEW YORK**, a corporation organized and existing under the laws of the State of New York, as the Company's or its subsidiaries' or affiliates' true and lawful attorneys in fact, with full power to execute, seal and deliver on behalf of the Company, its subsidiaries or affiliates, surety bonds and documents ancillary thereto issued in the course of the Company's, its subsidiaries' or affiliates' business, subject to the provisions of the Insurance Brokerage and Service Agreement effective March 1, 2007 among AON Risk Services of Connecticut, AON Risk Services of New York, and United Technologies Corporation, as amended or supplemented from time to time, and to bind the Company, its subsidiaries or affiliates thereby as if such writings had been duly executed and acknowledged by officers of the Company or its subsidiaries or affiliates.

IN WITNESS WHEREOF, the Company has caused this Special Power of Attorney to be signed by its duly authorized representative this 24th day of April 2007.

OTIS ELEVATOR COMPANY

By: J. L. Bill
Name: Johan Bill
Title: Vice President, General Counsel and Secretary

UNITED STATES OF AMERICA)
STATE OF CONNECTICUT) **ss: TOWN OF FARMINGTON**
COUNTY OF HARTFORD)

On this 24th day of April 2007, before me, a Notary Public in and for said County and State, personally appeared **JOHAN O. BILL**, who acknowledged himself to be the Vice President, General Counsel and Corporate Secretary of **OTIS ELEVATOR COMPANY**, the corporation named in the foregoing instrument, and that as such, being authorized so to do, executed the foregoing instrument for the same for the purposes therein contained by signing such document in his capacity as Vice President, General Counsel and Corporate Secretary.

Nancy V. Galvin
Nancy V. Galvin, Notary Public
My Commission Expires: June 30, 2010



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

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

LIBERTY MUTUAL INSURANCE COMPANY
BOSTON, MASSACHUSETTS
POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS: That Liberty Mutual Insurance Company (the "Company"), a Massachusetts stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, does hereby name, constitute and appoint GLENN J. PELLETIERE, VIVIAN CARTI, CYNTHIA FARRELL, ROBERT P. MCDONOUGH, HALINA KAZMIERCZAK, THOMAS RHATIGAN, SANDRA DIAZ, EVANGELINA L. DOMINICK, ANNETTE LEUSCHNER, VALORIE SPATES, ALL OF THE CITY OF NEW YORK, STATE OF NEW YORK.....

, each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations in the penal sum not exceeding FIFTY MILLION AND 00/100***** DOLLARS (\$ 50,000,000.00*****) each, and the execution of such undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company in their own proper persons.

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

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

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:

Pursuant to Article XIII, Section 5 of the By-Laws, Garnet W. Elliott, Assistant Secretary of Liberty Mutual Insurance Company, is hereby authorized to appoint such attorneys-in-fact as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of Liberty Mutual Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this 16th day of February, 2010.

LIBERTY MUTUAL INSURANCE COMPANY



By Garnet W. Elliott, Assistant Secretary

COMMONWEALTH OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 16th day of February, 2010, before me, a Notary Public, personally came Garnet W. Elliott, to me known, and acknowledged that he is an Assistant Secretary of Liberty Mutual Insurance Company; that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of Liberty Mutual Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires March 28, 2013
Member, Pennsylvania Association of Notaries

By Teresa Pastella, Notary Public

CERTIFICATE

I, the undersigned, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the officer or official who executed the said power of attorney is an Assistant Secretary specially authorized by the chairman or the president to appoint attorneys-in-fact as provided in Article XIII, Section 5 of the By-laws of Liberty Mutual Insurance Company.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of Liberty Mutual Insurance Company at a meeting duly called and held on the 12th day of March, 1980.

VOTED that the facsimile or mechanically reproduced signature of any assistant secretary of the company, wherever appearing upon a certified copy of any power of attorney issued by the company in connection with surety bonds, shall be valid and binding upon the company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said company, this 18th day of May, 2010.



By David M. Carey, Assistant Secretary

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

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