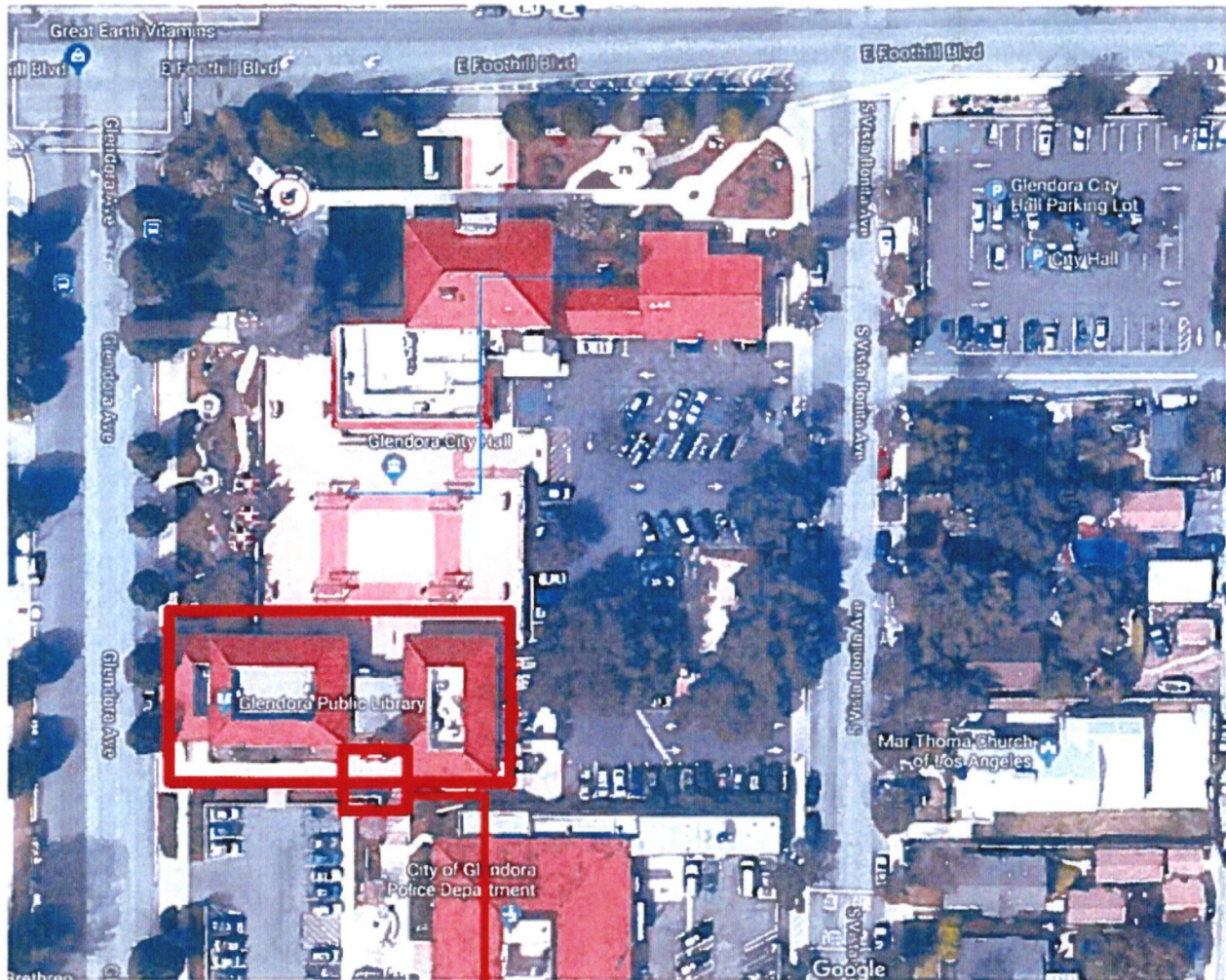


CITY OF GLENDORA LIBRARY ELEVATOR MODERNIZATION
PLAN NO. 1292



ELEVATOR IS LOCATED IN THE ENTRANCE LOBBY.
MACHINE ROOM IS LOCATED ON THE EAST OF THE
LIBRARY MAIN ENTRANCE

GLENDORA PUBLIC LIBRARY
140 SOUTH GLENDORA AVENUE
GLENDORA, CA 91741

SPECIAL CONDITIONS- PART I
DEFINITION OF BID ITEMS - MEASUREMENT & PAYMENT

GLENDORA CITY LIBRARY
ELEVATOR MODERNIZATION

PLAN NO. 1292

Note:

All features and details required to complete work as shown per the Plans, Specifications and Special Provisions and not specifically itemized in the Definition of Bid Items shall be considered included in and a part of the Unit Prices of all Bid Items and an aggregate of the Total Bid Amount.

PRE-CONSTRUCTION MEETING

The Contractor shall attend a pre-construction meeting scheduled by the City's representative prior to commencement of any work on the project. This meeting shall be attended by City staff to review the construction methods, coordinate with utility companies, and review the project schedule and Contractor submittals.

STANDARD SPECIFICATIONS

The Standard Specifications for the project shall conform with the latest edition of the California Building Code (California Code of Regulations, Title 24); and the Standard Specifications for Public Works Construction "Greenbook", latest edition, including all supplements thereto as written and promulgated by the Joint Cooperative Committee of the Southern California Chapter of the American Public Works Association and the Southern California District of the Associated General Contractors of California. Copies of these Standard Specifications are available from the publisher, Building News Incorporated, 1612 South Clementine Street, Anaheim, CA 92802.

The Standard Specifications set forth above control the construction materials and construction methods for this contract except as amended by the Plans, these Special Provisions or other Contract Documents. The Contractor shall comply with the Standard Specifications in addition to the general conditions set forth in the Contract Documents.

All work shall conform to 2016 California Building Code, 2016 California Plumbing Code, 2016 California Electrical Code, 2014 Los Angeles Fire Code, California Code of Regulations Title 24, Safety Code for Elevators and Escalators, ASME A17.1 and A21 2016, American National Standards Institute (ANSI), compliance with Americans with Disabilities Act latest standards, Occupational Safety and Health Administration (OSHA) Construction latest standards and these Special Provisions.

EMERGENCY INFORMATION

The names, addresses and telephone numbers of the Contractor and Subcontractors, or their representatives shall be filed with the City Engineer, the City of Glendora Police Department, and the Los Angeles County Fire Department prior to beginning work on the project.

Revised 3/20/2019
SPECIAL CONDITIONS
SECTION X

PRESERVATION AND RESTORATION

The Contractor shall be responsible for the protection of public and private property adjacent to the Work and shall exercise due caution to avoid damage to such property. The Contractor shall repair or replace all existing improvements within the right-of-way which are not designated for removal which are damaged or removed as a result of its operations. Repairs and replacements shall be at least equal to existing improvements and shall match them in finish and dimension.

CONSTRUCTION MAINTENANCE

The Contractor shall be required to maintain the construction area and haul routes clean and free of rubbish and debris to the satisfaction of the City. Dirt stock piling, material stock piling, dust control, sweeping, etc. (in compliance with AQMD and NPDES requirements) shall be conducted in a manner and frequency so as to cause the least amount of inconvenience to the public. All demo materials are to be removed immediately and disposed of at an approved site unless otherwise approved by the City Engineer.

CONTRACTOR SUBMITTALS

In accordance with subsection 2-5.3 of the Standard Specifications, at a minimum the Contractor shall submit the following for the Engineer's approval prior to commencing any work:

- Detailed Schedule of Work
- List of Subcontractors and Suppliers (including contact names and phone numbers)
- Elevator Controller
- Submersible Pump and Tank Unit
- Jamb Braille Signs
- Maintenance manuals for all controller units, conflict monitors, auxiliary equipment, and vehicles detector sensor units, control units and amplifiers.

WORKING TIMES

Typically, work does not start before **8:00 AM** and shall cease by **4:00 PM**. No work is allowed on Saturdays, Sundays, or the following Holidays as observed by the City : New Year's Day, Birthday of Martin Luther King, Jr., President's Birthday, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, day following Thanksgiving Day, and Christmas Day.

Any deviations from this schedule must have the written permission from the City Engineer.

AREAS FOR CONTRACTOR'S USE

The Contractor shall not occupy the hallway, block the entryway or interfere with normal business which are not necessary to perform the required work.

Use of Contractor's work areas shall be at the Contractor's own risk, and the City shall not be held liable for any damages or loss of materials or equipment located within such areas. The Contractor shall remove all equipment, materials, and rubbish from the work areas and storage areas at the completion of its work. Any area utilized by the Contractor during its operations on the project shall be restored to a presentable and acceptable condition as directed by the City Engineer.

Revised 3/20/2019

SPECIAL CONDITIONS

SECTION X

The Contractor shall secure at its own expense an area required for equipment and material storage, or for any other purposes.

EXTRA WORK

Any item considered to be extra work must be reported to the City immediately. All Extra Work claims shall be submitted in writing within 24 hours of encountering the extra work. Submittal of false claims is punished by State law and in addition, the contractor shall reimburse the City for all employees' costs and other fees spent on researching and reconciling the false claim.

The basis for establishing costs for Labor, Material and Equipment will be determined in accordance with subsection 3-3.2.2 of the Standard Specifications. Labor surcharge and Equipment Rental Rates will be paid at the applicable Caltrans rates for the time when extra work is performed.

The following percentages shall be added to the Contractor's costs and shall constitute the markups for all overhead, profit and increase in bond premium caused by the Extra Work.

1. Labor	15%	
2. Material	15%	
3. Equipment	10%	
4. Subcontractor	10%	for first \$5,000 portion of work performed
	5%	in excess of \$5,000 portion of work performed

The Contractor shall coordinate with the Library Staff for working hours and schedule the days when Elevator will be out of service.

The Contractor will also coordinate with the City Staff for:

- **Working Telephone line and any associated conduit and/or wiring for the new in-car emergency telephone**
- **Phone Line to Machine Room**
- **Provide circuit breaker or fused disconnect per California Electrical Code with feeder or branch wiring to the Controller with true earth ground**
- **Install a 120-volts, 15 Amp car light and alarm circuit to the Machine Room with a switch mounted in the box**
- **Any change in electrical wiring or conduit in the Machine Room**
- **Prior to completion of work, all existing walls, ceiling and floor surfaces shall be repaired or replaced to match existing**

BID DESCRIPTIONS:

ITEM 1 ELEVATOR MODERNIZATION

DESCRIPTION

This work shall include the removal and replacement of the existing Elevator controller, car operating Panel (COP), Hall call stations, car door operating equipment, hydraulic pump unit, and any and all electrical wiring, conduits, piping necessary to do the work.

Revised 3/20/2019
SPECIAL CONDITIONS
SECTION X

This work will also include connecting the Elevator Controller with the Fire Alarm Control Panel. Upgraded smoke detectors shall be required to comply the requirements of the Fire code and California Building Code.

Contractor will be responsible to arrange inspections and get approval from Cal/OSHA Elevator Unit before turning over the service to the City.

Existing Car and Hoistway Door Panels will be protected in place and retained for future use.

CONSTRUCTION / MATERIAL

This will include furnishing, installing following components along with necessary wiring and hoisting as required to complete the installation:

Motion Control Engineering Controller

- "Non-Proprietary" computerized microprocessor controller
- New vane type mag switches
- New hoist way mechanical limit switches
- New machine room, car, and hatch wiring
- New motor starter switch
- Phase I & II Fire Recall Service
- Reduced torque door closing
- Emergency Return Unit
- Stuck Button Protection
- Door Motor Protection

Car Operating Panel (COP)

Replace with a new car push button station to include standard, illuminating push buttons raised 1/8" to meet California handicapped codes with adjacent braille tags threaded from behind with contrasting backgrounds. Panel shall include all required fire service features, engraved "No Smoking" and fire service instructions. Panels shall be a stainless steel #4 finish and installed with an applied application at ADA required height. New car panels shall come complete with a push-to-talk speakerphone, intercom grille for two-way communication, a permit holder, a rechargeable emergency light unit and all code required fire service features. Panels shall include a digital floor position indicator with a 2" L.E.D. display of the floor and direction of travel.

The new COP will also feature a lighting/alarm bell system with power supply to provide light and power in the event of a power supply failure. The alarm bell may be installed either the car top or the underside of the platform.

Hall Stations

Replace with new stations at each landing. Stations shall be complete with lighted mechanical push buttons to match new C.O.P. fixtures, engraved "In case of fire..." verbiage and will be mounted to meet A.D.A. and local handicapped code requirements. New cover plates will be a stainless steel #4 surface at all typical floors and the main lobby landing shall be a stainless steel #4 finish and will be applied with tamper proof fasteners. The designated "LOBBY" landing will include an integral fire key switch.

Car Directional Lanterns

Install a directional lantern to meet ADA requirements, stainless steel #4 finish.

Revised 3/20/2019

SPECIAL CONDITIONS

SECTION X

Jamb Braille Signs

Remove and install new at all floors per A.D.A. requirements

Car Door Operating Equipment

Remove the existing Door Operating System. Install new Car Door Operating System, MOVFR II or similar. The System should meet following requirements as a minimum:

- Closed loop single-speed master power operator
- Single speed, side slide , car door hanger with 3-1/4" non-metallic rollers
- Single speed, side slide, hatch door hanger with 3-1/4" non-metallic rollers – One (1) per opening.
- Retractable zone lock door clutch per ANSI
- Auxiliary spring door closer – One (1) per opening
- Hatch door interlock – One (1) per opening

Install New Submersible Pump and Tank Unit

Remove existing pump unit in the Machine Room. Install new submersible tank unit, comprising of a tank, motor, pump, valve, and muffler and replenish the tank with new hydraulic fluid. Install new piping and an over speed valve, as required. New unit should match the upgrade and/or existing operations.

PAYMENT

Payment for providing "GLENDDORA CITY LIBRARY ELEVATOR MODERNIZATION" shall be the contract lump sum price and shall be considered full compensation of furnishing all labor, signing, barricades, State Inspections, equipment and incidentals for accomplishing the work as specified herein and no additional compensation will be allowed therefor.

GENERAL

- Contractor will be responsible for DOSH inspections and approval. In case of corrections, address and schedule re-inspection and get final approval. No extra compensation will be paid for such approval.
- Contractor shall provide a written warranty to the owner for three (3) years against all defects in workmanship. Provide manufacturer's warranties to owner.
- Provide temporary dumpster. Dispose of trash at an appropriate disposal site.
- All surrounding equipment, enclosures, and structures shall be protected in place during the duration of the project. Contractor is responsible for any damages caused during construction.
- Obtain no fee permit through City of Glendora Building & Safety as required.



7166 Amethyst Avenue • Alta Loma, CA 91701
 (909) 466-5155 • Fax (909) 466-5207 • Lic# 610726

AIR BALANCE

W.F. Construction, Inc.
 620 Arrow Hwy.
 La Verne, CA 91750

Glendora Library
 140 S. Glendora Ave.
 Glendora, CA 91741

Attn: Bret Burright,

Air balance, was performed on 12/11/08.
 All supply and return air registers, have been balanced, to within 10% of the plan specified CFM schedule.

- (7) 9" Supply = 280 CFM each.
- (1) 6" Supply = 100 CFM each.
- (2) 16" Return = 850 CFM each.
- (1) Fresh Air = 360 CFM each.

Total CFM Recorded
 Supply 2060
 Return & Fresh Air 2060

Sign: 
 Tim Daniels

Date: 1/13/09

2005 ACCEPTANCE REQUIREMENTS FOR CODE COMPLIANCE **MECH-5-A**
NJ.5.1 Air Distribution Acceptance Document **Part 1 of 3**

PROJECT NAME GLENDORA LIBRARY	DATE 2/11/09	TELEPHONE 626
PROJECT ADDRESS 140 GLENDORA AVE, Glendora, CA 91741		
TESTING AUTHORITY CM CERTS		
AIR DISTRIBUTOR NAME / DESIGNATION Room Addition	PERMIT NUMBER	

Intent: New single zone supply ductwork shall not exceed a 6% leakage rate per §144(k) or §149D i, existing single zone ductwork shall not exceed 15% leakage or other compliance path per §149D ii or §149E.

Construction Inspection

1 Scope of test – New Buildings – this test required on New Buildings only if all checkboxes 1(a) through 1(c) are checked

Existing Buildings – this test required if 1(a) through 1(d) are checked

Ductwork conforms to the following (note if any of these are not checked, then this test is not required):

<input checked="" type="checkbox"/>	1a) Connected to a constant volume, single zone air conditioners, heat pumps, or furnaces
<input checked="" type="checkbox"/>	1b) Serves less than 5000 square feet of floor area
<input checked="" type="checkbox"/>	1c) Has more than 25% duct surface area located in one or more of the following spaces
	- Outdoors
	- A space directly under a roof where the U-factor of the roof is greater than U-factor of the ceiling
	- A space directly under a roof with fixed vents or openings to the outside or unconditioned spaces
	- An unconditioned crawlspace
	- Other unconditioned spaces
<input type="checkbox"/>	1d) A duct is extended or any of the following replaced: air handler, outdoor condensing unit of a split system, cooling or heating coil, or the furnace heat exchanger.

2 Instrumentation to perform test includes:

a. Duct Blaster

3 Material and Installation. Complying new duct systems shall have a checked box for all of the following categories a through f.

a. Choice of drawbands (check one of the following)

<input type="checkbox"/>	Stainless steel worm-drive hose clamps
<input checked="" type="checkbox"/>	UV-resistant nylon duct ties

b. Flexible ducts are not constricted in any way

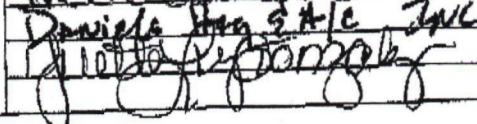
c. Duct leakage tests performed before access to ductwork and connections are blocked

d. Joints and seams are not sealed with cloth back rubber adhesive tape unless used in combination with Mastic and drawbands

e. Duct R-values are verified R-8 per 124(a)

f. Ductwork located outdoors has insulation that is protected from damage and suitable for outdoor service

Certification Statement
 I certify that all statements are true on this MECH-5-A form including the PASS/FAIL Evaluation. I affirm I am eligible to sign this form under the provisions described in the Statement of Acceptance on form MECH-1-A

Name:	Yvette Gonzalez	
Company:	Daniels Heat & Air Inc	
Signature:		Date: 2/12/09

INSTALLER CERTIFICATION Part 2 of 3 MECH-5-A

PROJECT NAME <i>Glendora Library</i>	DATE <i>2/12/09</i>
SITE ADDRESS <i>146 S Glendora Blvd</i>	PERMIT NUMBER
COPY TO: Building Department, Builder, Building Owner at Occupancy, HERS Provider	

VERIFIED DUCT TIGHTNESS BY INSTALLER
 The installing contractor must pressure test every new HVAC systems that meet the requirements of Section 144(k) and every retrofit to existing HVAC systems that meet the requirements of section 149 D or E (see Scope of Test under Construction Inspection)

RATED FAN FLOW (applies to all systems)	Measured Values
1 Cooling capacity or for heating only units heating capacity	
a) Cooling capacity (for all units but heating only units) in tons	<i>5</i>
b) Heating capacity (for heating only units) kBtu/h	
2 Fan flow calculation	
a) Cooling capacity in tons [<i>5</i> (Line # 1a) x 400 cfm/ton]	<i>2000</i>
b) Heating only cap. kBtu/h [(Line # 1b) x (21.7 cfm/kBtu/h)]	
3 Total calculated supply fan flow 2(a) or 2(b) cfm	

NEW CONSTRUCTION OR ENTIRE NEW DUCT SYSTEM ALTERATION:

Duct Pressurization Test Results (CFM @ 25 Pa)		
4 Enter Tested Leakage Flow in CFM:	<i>119</i>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
5 Pass if Leakage Percentage <input checked="" type="checkbox"/> 6%: [<i>119</i> (Line # 4) / <i>2000</i> (Line # 3)] x 100	<i>5.9</i> %	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

ALTERATIONS: Pre-existing Duct System with Duct Alteration and/or HVAC Equipment Change-Out

6 Enter Tested Leakage Flow in CFM: Pre-Test of Existing Duct System Prior to Duct System Alteration and/or Equipment Change-Out.		
7 Enter Tested Leakage Flow in CFM: Final Test of New Duct System or Altered Duct System for Duct System Alteration and/or Equipment Change-Out.		

TEST OR VERIFICATION STANDARDS: For Altered Duct System and/or HVAC Equipment Change-Out Use one of the following Three Tests or Verification Standards for compliance:

8 Pass if Leakage Percentage <input type="checkbox"/> 15%		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
[(Line # 7) / (Line # 3)] x 100	%	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
9 Pass if Leakage Reduction Percentage <input type="checkbox"/> 60%		<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Leakage reduction = [1 - (Line#7) / (Line#6)] x 100	%	
10 Pass if all Accessible Leaks are sealed as confirmed by Visual Inspection and Verification by HERS rater (sampling rate 100%)		<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Pass if One of Lines #8 through # 10 pass		<input type="checkbox"/> Pass <input type="checkbox"/> Fail

INSTALLER COMPLIANCE STATEMENT

The building was: Tested at Final Tested at Rough-in

I, the undersigned, verify that the above diagnostic test results and the work I performed associated with the test(s) is in conformance with the requirements for compliance credit. I, the undersigned, also certify that the newly installed or retrofit Air-Distribution System Ducts, Plenums and Fans comply with Mandatory requirements specified in Section 124 of the 2005 Building Energy Efficiency Standards.

Name:	<i>Yvette Gonzalez</i>	
Company:	<i>Daniels Heating & Air, Inc</i>	
Signature:	<i>[Signature]</i>	Date: <i>2/12/09</i>

