



Town of Fairfield

Sullivan Independence Hall
725 Old Post Road

Fairfield, Connecticut 06824
Purchasing Department

(203) 256-3060
FAX (203) 256-3080

BID #2017-33 STAIR LIFT REPLACEMENT JENNINGS ELEMENTARY SCHOOL

TOWN OF FAIRFIELD
PURCHASING AUTHORITY
725 OLD POST ROAD
INDEPENDENCE HALL
FAIRFIELD, CT 06824.

Date Submitted _____ 2016.

SEALED BIDS are subject to the standard instructions set forth on the attached sheets. Any modifications must be specifically accepted by the Town of Fairfield, Purchasing Authority.

Bidder:

Doing Business As (Trade Name)

Address

Town, State, Zip

(Mr/Ms) Name and Title, Printed

Signature

Telephone

Fax

E-mail

First Selectman

Director of Purchasing

09/19/2016

Date

Sealed bids will be received by the Purchasing Authority at the office of the Director of Purchasing, First Floor, Independence Hall, 725 Old Post Road, Fairfield, Connecticut 06824, up to:

11:00AM, Thursday, 6th October, 2016

To provide labor, materials, equipment and all else necessary, to perform replacement of the stair lift located at Jennings Elementary School.

NOTES:

1. Bidders are to complete all requested data in the upper right corner of this page and must return this page and the proposal page with their bid.
2. No bid shall be accepted from, or contracts awarded to, any person/company who is in arrears to the Town of Fairfield upon debt, or contract or who has been within the prior five (5) years, a defaulter as surety or otherwise upon obligations to the Town of Fairfield.
3. Bid proposals are to be submitted in a sealed envelope and clearly marked "BID #2017-33" on the outside of the envelope, including all outer packaging, such as, DHL, FedEx, UPS, etc.
4. Bid proposals are not to be submitted with plastic binders or covers, nor may the bid proposal contain any plastic inserts or pages.

INVITATION TO BID

The Town of Fairfield (Town) on behalf of its Board of Education (BOE) is seeking competitive bids from qualified contractors to provide labor, materials, tools, equipment, and all else necessary, to perform replacement of the stair lift located at Jennings Elementary School, 31 Palm Drive, Fairfield.

Work shall consist of, but not limited to:

- Remove and properly dispose of existing stair lift and related components.
- Supply and install new stair lift and related components as specified.
- Repair and patch walls and floor as required.
- New stair lift and related components shall be in accordance with all applicable requirements and regulations, including installation of all equipment as necessary for complete operation.

Schedule: Site access will be available upon award of contract for any work that does not interfere with school operations in immediate work areas. All work must be completed in a timely manner.

Refer to appended project manual and drawing prepared by Philip H. Cerrone III, Architect, 421 Meadow Street, Fairfield for the complete scope of work.

PRE-BID MEETING

A site meeting will commence inside the Main Entrance, Jennings Elementary School, Palm Drive, Fairfield, CT 06825 at 3:00PM on Tuesday, 27th September, 2016 for prospective bidders to scope the conditions.

- While the meeting is non-mandatory, prospective bidders are strongly encouraged to attend and will be required to sign-in at commencement of the meeting. The sign-in sheet will be posted on the Purchasing Dept website as below. Copies will not be made available at the meeting, nor will they be faxed out.
- All requests for information will be answered in writing as specified below under RFI / Addenda.

REQUESTS FOR INFORMATION (RFI) / ADDENDA

Direct requests in writing to: Town of Fairfield, Purchasing Department
Attention: Phillip Ryan, Buyer
725 Old Post Road, Fairfield, CT 06824
E-mail: PRyan@fairfieldct.org

NOTE: Written requests for information will not be accepted after 12:00PM on Thursday, 29th September, 2016.

Response will be in the form of an addendum that will be posted approximately Monday, 3rd October at the close of business to the Purchasing Department website: www.fairfieldct.org/purchasing

It is the responsibility of each bidder to retrieve addenda from the website. Any contact about this bid between a Bidder and any other Town official and/or department manager and/or Town of Fairfield employee, other than as set forth above, may be grounds for disqualification of that Bidder. No questions or clarifications shall be answered by phone, in person or in any other manner than specified above. Addenda will not be mailed, e-mailed or faxed out.

BID BOND / BID SECURITY

A five (5) percent bid bond or equal approved security as stated per the Terms and Conditions must be submitted with the proposal. Any bid submitted without such security will be excluded from the bidding process. No exceptions.

CONTRACT DOCUMENTS

Contract documents may be viewed and downloaded at no cost from the Town of Fairfield, Purchasing Dept website at www.fairfieldct.org/purchasing

Note printed hard copies of Contract Documents are NOT available to be purchased from the Town of Fairfield.

REQUIREMENTS

- A. Any sizes or Estimate of Quantities as shown on the attached sheets and/or drawings are approximate and are not guaranteed in any respect. Prospective Bidders are to visit the site to verify scope of the work, measurements, quantities, etc prior to bidding. The Town reserves the right at all times to increase or decrease the amount of work if deemed in the best interest of its Board of Education.
- B. Price is to include all labor, materials, permits, disposal, etc., required to properly complete the project, including but not limited to, the following:
 - 1. Local building department approval of drawings and specifications prior to installation.
 - 2. Preparation as required and specified.
 - 3. Demolition as illustrated on the drawings and delineated in the specification.
 - 4. Installation of new replacement equipment and components as specified.
 - 5. Clean up and proper disposal offsite of all surplus material and items.
- C. The Bidder must not discriminate, nor permit discrimination, against any person on the grounds of race, color, national origin, religion, sex, handicap, or veteran status, in their employment practices, in any of their contractual arrangements, in all service and accommodations they offer to the public, and in any of their other business operations.
- D. The successful bidder MUST secure all required permits prior to commencing work on the site. Upon application for a building permit the Town of Fairfield will waive the cost of the permit, exclusive of the State of Connecticut Education Fee.
- E. The awarded contractor will have access to the building immediately upon award of contract. All work must be completed in a timely manner. Time is of the essence. Access to each building shall be from 7:00am to 3:30pm, Monday through Friday. At the Contractor's option, he/she may have access to the building on holidays, Saturdays and Sundays, if the Contractor pays the cost (including all overtime) of the custodial services for this time. All work time must be coordinated with the Manager of Facilities or Manager of Safety, Security & Construction.
- F. Award of the project, either partial or in its entirety, is contingent upon funding approval by the applicable boards of the Town of Fairfield.

INSTRUCTION TO BIDDERS

THE WORK

Remove and properly dispose of the existing stair lift and related components, repair and patch walls and floor as required. Supply and install new stair lift and related components at Jennings Elementary School per the plans and specifications prepared by Philip H. Cerrone III, AIA. Lump sum proposal shall include all labor, materials, general conditions, profit and overhead.

PRICES

Prices quoted must be firm, for acceptance by the Town of Fairfield, for a period of ninety (90) days. Price shall include all applicable duties. Bidders shall be required to deliver awarded items at prices quoted in their original bid. The price(s) and amount of the bid will have been arrived at independently and without consultation, communication or agreement with any other contractor or bidder.

GUARANTEE

Equipment, materials and, or work executed shall be guaranteed for a minimum period of one (1) year against defective material and workmanship. The cost of all labor, materials, shipping charges and other expenses in conjunction with the replacement of defective equipment, and, or unsatisfactory work, shall be borne by the Contractor.

For a period of one (1) year from the date of substantial completion of this contract as determined by the Architect, the Contractor shall upon written notice remedy any and all defects in materials or workmanship resulting from work done under this contract and repair any damage to any structures or property caused by the Contractor incidental to this work, all such repairs to be done in accordance with instructions furnished by the Manager of Facilities and paid for by the Contractor.

OBLIGATION OF CONTRACTOR

The Contractor shall do all the work and furnish all the materials, tools, and appliances necessary or proper for performing and completing work required by this contract in a manner specified. All the work, labor, and materials to be done and furnished under this contract shall be done and furnished strictly pursuant to and in conformity with the specifications hereto attached and other directions of the Owner, as given from time to time during the progress of the work under the terms of the contract. The Contractor shall complete all work to be done under this contract to the satisfaction of the Owner and in accordance with the specifications and drawings herein mentioned at the prices herein agreed upon.

METHOD OF DOING WORK

The work must be started and done by the Contractor in such a manner as not to encounter delays to the traveling public owing to delays in doing the work. It must be pushed to completion with all possible speed and no inconvenience to traffic will be permitted where such inconvenience may be avoided.

The Contractor shall conduct the work in such a manner so as not to interfere with or willfully annoy employees and officials of the Board of Education, employees of public utilities, residents adjacent to the work and general public.

The Contractor shall employ only competent employees to do work and whenever the Owner shall notify the Contractor, in writing, that any employee on the work is, in the Owners opinion, incompetent, unfaithful, disorderly and otherwise unsatisfactory, such employee shall be discharged from the work and shall not again be employed on it, except with the consent of the Owner.

At the site of the work, the Contractor shall employ at all times while work is in progress, a construction superintendent or foreman who shall have full authority to act for the Contractor and who shall be acceptable by the Owner.

In connection with the execution of the bid, subsequent purchase orders and/or contracts, the Contractor shall not discriminate against any employee or applicant for employment because of age, race, religion, color, sex, or natural origin.

Executive order #11246 inclusive of all its amendments thereto relative to equal employment opportunities and implementation rule and regulations of the Department of Labor and equal employment opportunities are incorporated herein by specific reference.

The Town of Fairfield reserves the right to require the successful bidder(s) to enter into such security arrangements and/or written contracts as deemed necessary by the Town of Fairfield and/or Board of Education to protect the Owner's property and goods and interests.

EXECUTION OF AGREEMENT

The form of Agreement that the successful bidder will be required to execute will be decided by the Owner. The bidder to whom the Contract is awarded, must sign and deliver required copies to the Owner within seven (7) business after notice of award and receipt of Agreement forms from the Owner.

At or prior to delivery of the signed Agreement, the bidder to whom the contract is awarded shall deliver to the Owner those Certificates of Insurance required by the Contract Documents and such Labor and Materials Payment Bonds and Performance Bonds as required by the Owner.

Bonds and Certificates of Insurance shall be approved by the Owner before the successful bidder may proceed with the work. Failure or refusal to provide Bonds or Certificates of Insurance in a form satisfactory to the Owner shall subject the successful bidder to loss of time from the allowable construction period equal to the time of delay in furnishing the required material.

LIABILITY OF CONTRACTOR

The Contractor shall at all times safely guard the Owner's property from injury or loss in connection with this contract. The Contractor shall at all times safely guard and protect the work and that of adjacent property (as provided by law and the contract documents) from damage. The Contractor shall take all responsibility for the work and take precautions for preventing injuries to persons and property in or about the work. The Contractor shall assume the defense of and indemnify and save harmless the Owner and its officers, agents, and employees from all claims relating to labor and materials furnished for the work, to inventions, patents and patent rights used in doing the work, or in consequence of any improper materials, implements or labor used therein and to any act, omission or neglect of the Contractor and his/her employees therein.

The Contractor shall conduct the work in such a manner as to interfere as little as possible with travel on the highways and observe all ordinances and statutes relating to obstructing the highway. The Contractor shall provide railing or suitable barricades as good safe practice requires as outlined in the latest revised edition of the Manual of Accident Prevention in Construction published by the Associated General Contractors of America and as required by the Owner to prevent accidents or injury to persons, vehicles or animals.

Signs warning the public of construction in the near vicinity shall be maintained at a reasonable distance from either end of the location of active construction or hazardous condition arising therefrom. All barricades, machinery and other hazards or obstructions to the public use of the highway shall be brightly and properly lighted at night.

ASSIGNMENTS

The Contractor shall not sublet, sell, transfer, assign or otherwise dispose of the contract or any portion thereof or of the work provided for therein, or of his/her right, title, interest therein, to any person, firm, partnership or corporation without the written consent of the Owner. If any part of the work is sublet, sold, transferred, assigned or otherwise disposed of, the Contractor will not be relieved of any responsibility in connection therewith.

The Contractor may not subcontract a total of work in excess of 50% of the original total contract value.

EXTRA WORK

The Owner shall notify the Contractor, in writing, of the necessity of such extra work, stipulating its character and extent. Upon receipt of such notification, the Contractor shall advise the Owner, in writing, of the compensation, whether unit price or lump sum as requested, for which he/she proposes to perform the extra work required. The Owner may accept the compensation proposed by the Contractor, or if the Owner considers the prices submitted to be excessive, the Owner may order the work done on a "Cost Plus" basis. In either case, the character and extent of the extra work together with the accepted basis of compensation shall be communicated to the Contractor by means of a change order which, when signed by the Contractor and the Owner, shall become part of the contract.

Unforeseen work made necessary by changes in plan or work necessary to complete the improvements for which no price is provided in the contract, shall be done in accordance with the requirements of the specifications and as directed by the Owner.

RIGHT OF OWNER TO TERMINATE CONTRACT

If the work to be done under this Contract shall be abandoned, or if at any time the Owner is of the opinion that the Contractor is willfully violating any of the conditions of this contract or is not executing said contract in good faith or that the work is unnecessarily delayed and will not be finished within the prescribed time, the Owner may notify the Contractor and Surety, in writing to that effect. If the Contractor does not, within five (5) business days thereafter, take such measures as will, in the judgment of the Owner, insure the satisfactory completion of the work aforesaid, the Owner shall have the power to notify the Contractor to discontinue all work or any portion thereof, under this contract. A copy of this contract shall go to the surety.

Thereupon the Contractor shall cease to continue said work, on such part thereof as the Owner shall designate. The Owner shall thereupon have the power to place such and so many persons as deemed proper, by contract or otherwise, to work at and complete the work herein described and to use such materials, tools, and appliances found upon the work or to procure other materials, tools, and appliances for the completion of the same and charge the expenses of said labor, materials, tools, and appliances to the Contractor; and the expense so charged shall be deducted and paid by the Owner out of such money as may be then due, or may at any time thereafter grow due to the Contractor under and by virtue of this agreement, or any part thereof; and in case the expense so charged is less than the sum which would have been payable under this contract if the same had been completed by the Contractor, the Contractor shall be entitled to receive the difference; and in case greater, the Contractor shall pay amount of such excess so due.

DEFINITIONS

Whenever the words defined occur in this Contract and in the specifications hereto attached, they shall have the meaning:

1. Owner: The Owner shall mean the Town of Fairfield or any duly authorized official thereof acting in an official capacity.
2. Contractor: Whenever the word "Contractor" is used in these specifications, it shall be understood to mean the person or persons, co-partnership or corporation, who has entered into this contract as the party of the second part, or his/her or their legal representative.
3. Sub-Contractor: Any individual, firm, partnership, or corporation to whom the Contractor sublets or assigns any part or parts of the project covered by the contract with the approval of the Owner.

DRAWING CONFLICT

In the event of conflict between the drawings and specifications, the more stringent shall apply and be included in the contract.

PRE-CONSTRUCTION MEETING

Prior to the commencement of any work, the contractor shall attend the pre-construction meeting at a date and time set that is convenient to all parties.

CHANGE ORDERS

The maximum amount of overhead and profit that will be permitted on any change order is a total amount of 10%.

TERMS AND CONDITIONS OF BID

In order to receive consideration, make bids in strict accordance with the following:

1. Make bids upon the forms provided, properly signed and with all items filled out. Do not change the wording of the bid form, and do not add words to the bid form. Unauthorized conditions, limitations, or provisions attached to the bid may be cause for rejection of the bid. If alterations by erasure or interlineations are made for any reason, explain over such erasure or interlineations with a signed statement from the bidder.
2. Bid proposals are to be submitted in a sealed envelope and clearly marked with the bid number on the outside of the envelope. All prices and notations must be printed in ink or typewritten. No erasures permitted. Bid proposals are to be in the office of the Purchasing Agent, First Floor, Independence Hall, 725 Old Post Road, Fairfield, Connecticut, prior to date and time specified, at which time they will be publicly opened. It is the sole responsibility of the bidder to see that the bid is received on time.
3. No telegraphic bid or telegraphic modification of a bid will be considered. No bids received after the time fixed for receiving them will be considered. Late bids will be returned to the bidder unopened.

PROTESTS

No protest regarding the validity or appropriateness of the specifications or of the invitation for bids will be considered, unless the protest is filed in writing with the Director of Purchasing, prior to the closing date for the bids.

EXCEPTION TO SPECIFICATIONS

All bid proposals rendered shall be considered meeting the attached specifications unless exceptions are noted on a separate page dated and signed by the bidder.

EXAMINATION OF DOCUMENTS AND SITE OF WORK

Before submitting a bid, each bidder shall examine the drawings carefully, shall read the specifications and all other proposed contract documents, and shall visit the site of the Work. Each bidder shall be fully informed prior to bidding as to existing conditions and limitations under which the Work is to be performed, and shall include in the bid a sum to cover the cost of items necessary to perform the Work set forth in the proposed contract documents. No allowance will be made to a bidder because of lack of such examination or knowledge. The submission of a bid will be considered conclusive evidence that the bidder has made such examination.

Bidders must examine for themselves the plans, profiles, detail drawings, specifications, etc and the location of the proposed work, and must exercise their judgment as to the nature and difficulty of the whole proposed undertaking. The Contractor must assume all risk or variance in any computation or statement by the contract, by whomsoever made and must agree to furnish all tools, machinery, material and labor to clean up, all debris and to complete fully the said work in accordance with the plans and contained either in the specifications or in any of the drawings but omitted from the other will be considered an essential part of the work. The Contractor whose bid is accepted will be responsible for every loss or error arising from ignorance concerning the requirements of the work of the difficulties to be encountered.

Bidders, if requested, must be able to present satisfactory evidence that they have been regularly engaged in the business of constructing such work as they propose to execute and that they are fully prepared with the necessary capital, materials, and machinery to conduct the work to be contracted for the satisfaction of the Owner and to begin work promptly when ordered.

The Owner, or its designated representative, reserves the right to reject any proposal in whole or in part offering equipment and/or materials and/or construction proposals, which in his/her opinion does not meet the quality standards desired. Such decision will be considered final and not subject to further recourse.

INTERPRETATION OF CONTRACT DOCUMENTS PRIOR TO BIDDING

Any person contemplating submitting a bid for the construction of the work is in doubt as to the true meaning of any part of the proposed contract documents, or finds discrepancies in or omissions from any part of the proposed contract documents, he/she may submit to the person responsible a written request for interpretation thereof no later than the time and date as indicated. The person submitting the request shall be responsible for its prompt delivery.

Interpretation of correction of proposed Contract Documents will be made only by Addendum posted to the Town of Fairfield website www.fairfieldct.org/purchasing

The Owner will not be responsible for any other explanations or interpretations of the proposed Contract Documents.

BID PROPOSAL FORM

PAGE 1 OF 2

PROPOSAL TO: Town of Fairfield, Purchasing Department
First Floor, Sullivan Independence Hall
725 Old Post Road, Fairfield, Connecticut 06824

I, _____ have received the following contract documents,

1. Bid Document #2017-33
2. Project Manual
3. Drawing #A-100
4. Addenda ___ through ___ posted at www.fairfieldct.org/purchasing and have included their provisions to:

Supply all labor, materials, tools, equipment, permits, taxes and insurances, etc., to demolish existing stair lift and perform installation of new replacement stair lift, including all associated work to complete the project, located at Jennings Elementary School.

Labor: \$ _____ /lump sum

Materials: \$ _____ /lump sum

Equipment: \$ _____ /lump sum

General Cond: \$ _____ /lump sum

Miscellaneous: \$ _____ /lump sum

Total: \$ _____ /lump sum

Total Lump Sum: _____ Dollars
(Written Amount)

State any exceptions or omissions to specifications: _____

Lump sum amount shall include, but not limited to, the cost of all labor, materials, equipment, tools, mobilization, delivery, permits (where not waived by the Town), licenses, overhead and profit, taxes (except from which Owner is exempt) and insurances.

The Bidder hereby certifies that any and all defects, errors, inconsistencies or omissions of which he/she is aware, either directly or by notification from any sub-bidder or material supplier found in the Contract Documents are listed herewith in this Bid Form.

Name _____ Title _____ Signature _____ Date _____

BID PROPOSAL FORM

PAGE 2 OF 2

For additional work upon request:

Hourly Rates: Supervisor \$_____/hr Foreman \$_____/hr Journeyman \$_____/hr Apprentice \$_____/hr

Mark-up over Cost for Materials shall be _____% for any additional work where requested.

Work shall be completed _____ days after receipt of written notice to proceed / purchase order.

A complete itemized schedule of values shall be required to be provided by the Contractor, prior to award of contract.

CHECKLIST

The following must be submitted with proposal:

- Cover page, completed and signed.
- Addenda acknowledged per Item 4 on Bid Proposal Form, or
- Signed and submitted with modified pricing if requested.
- List of references where projects performed of comparable size and scope within the past three years.
- Schedule of values.
- List of all subcontractors identifying each trade, hourly rates, and Tax ID number.
- Price submitted contains Prevailing Wage Rates, if total project amount exceeds \$100,000.00
- Bid Bond or equal approved security. No exceptions.
- Exceptions itemized and attached to Bid Form.

The Bidder hereby certifies that any and all defects, errors, inconsistencies or omissions of which he/she is aware, either directly or by notification from any sub-bidder or material supplier found in the Contract Documents are listed herewith in this Bid Form.

Name _____ Title _____ Signature _____ Date _____

**PURCHASING AUTHORITY
TOWN OF FAIRFIELD
INSTRUCTIONS FOR BIDDERS
TERMS AND CONDITIONS OF BID**

BID PROPOSALS

Bid proposals are to be submitted in a sealed envelope and clearly marked on the outside “**BID #2017-33**” including all outer packaging such as DHL, FedEx, UPS, etc. All prices and notations must be printed in ink or typewritten. No erasures are permitted. Bid proposals are to be in the office of the Purchasing Authority, First Floor, Independence Hall, 725 Old Post Road, Fairfield, Connecticut, prior to date and time specified, at which time they will be publicly opened.

RIGHT TO ACCEPT / REJECT

AFTER REVIEW OF ALL FACTORS, TERMS AND CONDITIONS, INCLUDING PRICE, THE PURCHASING AUTHORITY OF THE TOWN OF FAIRFIELD RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS, OR ANY PART THEREOF, OR WAIVE DEFECTS IN SAME, OR ACCEPT ANY PROPOSAL DEEMED TO BE IN THE BEST INTEREST OF THE TOWN OF FAIRFIELD.

QUESTIONS

Questions concerning conditions, bidding guidelines and specifications should be directed in writing to:

Phillip Ryan, Buyer: PRyan@fairfieldct.org

Inquiries must reference date of bid opening, requisition or contract number, and must be received no later than as indicated in the bid documents prior to date of bid opening. Failure to comply with these conditions will result in the bidder waiving the right to dispute the bid specifications and conditions.

PRICES

Prices quoted must be firm, for acceptance by the Town of Fairfield, for a period of ninety (90) days. Prices shall include all applicable duties. Bidders shall be required to deliver awarded items at prices quoted in their original bid.

F.O.B. DESTINATION

Prices quoted shall be Net – Delivered to destination. Bids quoting other than F.O.B. Destination may be rejected.

BID BOND

The BID BOND furnished, as bid security, must be duly executed by the bidder as principal. It must be in the amount equal to five percent (5%) of the total estimated bid, as guarantee that, in case the contract is awarded to the bidder, the bidder will, within ten days thereafter, execute such contract and furnish a Performance Bond and Payment Bond.

Small businesses may elect to obtain an irrevocable letter of credit or cashier’s check in lieu of the Bid Bond. Such surety must also be in an amount equal to at least five percent (5%) of the total estimated bid.

Failure to provide a Bid Bond or equivalent security is not cause for a waiver defect. Any bid not accompanied by such security will be excluded from consideration.

PERMITS

The contractor will be responsible for securing all necessary permits, state and local, as required by the Town of Fairfield. The Town will waive its application and permit fees for Town of Fairfield projects.

PAYMENT PROCEDURES

No voucher, claim or charge against the Town shall be paid without the approval of the Fiscal Officer for correctness and legality. Appropriate checks shall be drawn by the Fiscal Officer for approved claims or charges and they shall be valid without countersignature unless the Board of Selectmen otherwise prescribed.

PAYMENT PERIOD

The Town of Fairfield shall put forth its best effort to make payment within thirty days (30) after delivery of the item acceptance of the work, or receipt of a properly completed invoice, whichever is later. Payment period shall be net thirty days (30) unless otherwise specified. For projects that do not require a performance or bid bond, The Town of Fairfield reserves the right to retain five percent (5%) of total bid amount, which is payable ninety (90) days after final payment or acceptance of the work.

**PURCHASING AUTHORITY
TOWN OF FAIRFIELD
INSTRUCTIONS FOR BIDDERS
TERMS AND CONDITIONS OF BID**

THE CONTRACTOR

The Contractor for the work described shall be thoroughly familiar with the requirements of all specifications, and the actual physical conditions of various job sites. The submission of a proposal shall be construed as evidence that the Contractor has examined the actual job conditions, requirements, and specifications. Any claim for labor, equipment, or materials required, or difficulties encountered which could have been foreseen had such an examination been carefully made will not be recognized.

ASSIGNMENT OF CONTRACT

No contract may be assigned or transferred without the consent of the Purchasing Authority.

AWARD OF BIDS

Contracts and purchases will be made or entered into with the lowest responsible bidder meeting specifications, except as otherwise specified in the invitation. If more than one item is specified in the invitation, the Town of Fairfield reserves the right to determine the low bidder on an individual basis or on the basis of all items included in the Invitation for Bids, unless otherwise expressed by the Town.

PERFORMANCE AND LABOR AND MATERIAL BOND

The successful bidder, within seven (7) business days after notification of award, will be required to furnish Performance and Labor and Material Bond provided by a company authorized to issue such bonds in the State of Connecticut, or Certified Check or properly executed Irrevocable Letter of Credit equal to a hundred per cent (100%) of the award.

In the event that the Contractor were required to provide evidence of insurance and a performance bond does not do so before beginning work, the Town of Fairfield reserves the right to withhold payment from such supplier until the evidence of insurance and performance bond has been received by the Town.

BOND REQUIREMENT – NON-RESIDENT CONTRACTORS

1. Non-resident contractors are required to deposit with the Department of Revenue Services a sum equivalent to 5% of the total contract value, as assurance that personal property taxes and/or any other State taxes assessed and due the State during the contract will be paid.
2. If this surety is not deposited with the State, the Town is required to deduct and submit to the State 5% of the total contract value.

GUARANTEE

Equipment, materials and/or work executed shall be guaranteed for a minimum period of one (1) year against defective material and workmanship. The cost of all labor, materials, shipping charges and other expenses in conjunction with the replacement of defective equipment, and/or unsatisfactory work, shall be borne by the Contractor.

CATALOGUE REFERENCE

Unless expressly stated otherwise, any and all reference to commercial types, sales, trade names and catalogues are intended to be descriptive only and not restrictive; the intent is to indicate the kind and quality of the articles that will be acceptable. Bids on other equivalent makes, or with reference to other catalogue items will be considered. The bidder is to clearly state exactly what will be furnished. Where possible and feasible, submit an illustration, descriptive material, and/or product sample.

OSHA

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

**PURCHASING AUTHORITY
TOWN OF FAIRFIELD
INSTRUCTIONS FOR BIDDERS
TERMS AND CONDITIONS OF BID**

LIFE CYCLE COSTING

Where applicable, Life Cycle Costing will be used as a criterion for awarding bids. This is a method of calculating total cost of ownership of an item over the life of the product, which may include operation and maintenance expenses, transportation, salvage value, and/or disposal costs.

INSURANCE

A. Insurance: The Contractor shall not commence any work under this Contract until all insurance required by this and the preceding Article has been obtained and Certificates evidencing its issuance have been submitted to and approved by the Owner.

Such policies shall stipulate that no coverage can be changed or canceled, unless the Owner has had thirty (30) days prior notice in writing. Certificates of renewals or changes in policies shall be delivered to the Owner at least thirty (30) days prior to the expiration of the policy.

The following insurance is required to be maintained in full force until all work required by the contract has been fully completed, except that Products/Completed Operations coverage shall be maintained for 5 years.

B. Workmen's Compensation Insurance: The Contractor shall carry Workmen's Compensation and Employer's Liability Insurance in the form and in such amounts as may be currently required to comply with the Labor Laws of the State of Connecticut.

C. Automobile Insurance: The Contractor shall carry and maintain during the life of the Contract:

Comprehensive Automobile Bodily Injury Liability Insurance with:

- \$ 500,000 each person and
- \$1,000,000 each accident; together with

Property Damage Liability with limits of:

- \$ 500,000 each accident and
- \$1,000,000 aggregate.

Or Contractor may carry a policy with a combined single limit of \$1,000,000.

This policy shall include all liability of the Contractor arising from the operation of all self-owned motor vehicles used in the performance of the Contract; and shall also include a "non-Ownership" provision covering the operation of motor vehicles not owned by the Contractor, but used in the performance of the work.

D. Comprehensive General Liability:

- Bodily Injury: and Property Damage \$1,000,000
- Products/Completed Operations \$1,000,000
- Umbrella policy \$5,000,000

This policy shall include SubContractor's Liability coverage, protecting the Contractor and the Town against liability arising out of the activities of Subcontractors engaged by him in the performance of the work.

The following entities shall be named as additional insured on the General Contractor's and Subcontractors' Comprehensive General Liability, Umbrella:

- Town of Fairfield, its officers, employees and agents, and the Board of Education, its officers, employees and agents.

E. Subcontractor's Insurance: Each Subcontractor engaged by the Contractor to perform any of the work under the Contract shall comply with the foregoing insurance requirements stipulated under paragraphs a) and b) and c) and d) with respect to his own operations; and Certificates of such insurance coverage shall be filed with the Owner before commencing any work, as hereinbefore stipulated.

HOLD HARMLESS

Contractor shall defend, indemnify, and hold harmless the Town of Fairfield, its officers, employees, agents or volunteers, from and against any and all claims and demands of any nature for any loss, damage or injury which any person may suffer by reason of, or in any way arising out of, this Agreement, unless caused by the sole negligence of the Town.

**PURCHASING AUTHORITY
TOWN OF FAIRFIELD
INSTRUCTIONS FOR BIDDERS
TERMS AND CONDITIONS OF BID**

FEDERAL, STATE, AND LOCAL LAWS

All applicable Federal, State and local laws, rules and regulations of all authorities having jurisdiction over the locality of the project shall apply to the contract and are deemed to be included herein. If the total amount of the project, including any current or future change orders, exceeds \$100,000.00 all work is to be done in accordance with the Davis-Bacon Act as amended; that is conditions of Prevailing Wage shall apply. All current Davis Bacon wage information may be accessed online at no cost at www.ctdol.state.ct.us (The Town will apply the most current wage decision applicable at the time of contract award.)

CONFLICT OF INTEREST

No officer or employee or member of any elective or appointive board, commission or committee of the Town, whether temporary or permanent, shall have or acquire any financial interest gained from a successful bid, direct or indirect, aggregating more than one hundred dollars (\$100.00), in any project, matter, contract or business within his/her jurisdiction or the jurisdiction of the board, commission, or committee of which he/she is a member. Nor shall the officer / employee / member have any financial interest, direct or indirect, aggregating more than one hundred dollars (\$100.00) in any contract or proposed contract for materials or services to be furnished or used in connection with any project, matter or thing which comes under his/her jurisdiction or the jurisdiction of the board, commission, committee of which he/she is a member.

SCOPE OF WORK/SITE INSPECTIONS

The bidder declares that the scope of the work has been thoroughly reviewed and any questions resolved (see above for name and number of individual to contact for questions). If applicable, the bidder further declares that the site has been inspected as called for in the specifications (q.v.).

EXCEPTION TO SPECIFICATIONS

No protest regarding the validity or appropriateness of the specifications or of the Invitation for Bids will be considered, unless the protest is filed in writing with the Purchasing Authority prior to the closing date for the bids. All bid proposals rendered shall be considered meeting the attached specifications unless exceptions are noted on a separate page dated and signed by the bidder.

UNLESS OTHERWISE NOTED

It will be assumed that all terms and conditions and specifications will be complied with and will be considered as part of the Bid Proposal.

TAX EXEMPT

Federal Tax Exemption 06-75-0063-K

Exempt from State Sales Tax under State General Statutes Chapter 219-Section 12-412 Subsection A.

No exemption certificates are required and none will be issued.

REFERENCES

Provide reference details of most recent similar scope projects performed:

REFERENCE #1:

Name of Company _____ Phone _____
Contact Person _____ Cell _____
Company Address _____ Fax _____
Date work completed _____ Email _____

REFERENCE #2:

Name of Company _____ Phone _____
Contact Person _____ Cell _____
Company Address _____ Fax _____
Date work completed _____ Email _____

REFERENCE #3:

Name of Company _____ Phone _____
Contact Person _____ Cell _____
Company Address _____ Fax _____
Date work completed _____ Email _____

REFERENCE #4:

Name of Company _____ Phone _____
Contact Person _____ Cell _____
Company Address _____ Fax _____
Date work completed _____ Email _____

REFERENCE #5:

Name of Company _____ Phone _____
Contact Person _____ Cell _____
Company Address _____ Fax _____
Date work completed _____ Email _____

SUBCONTRACTORS

Provide subcontractor details if any are to be employed as part of this contract, including labor rates:

SUBCONTRACTOR #1:

Name of Company _____ Fed ID # _____
Contact Person _____ Title _____
Company Address _____ Phone _____
Trade _____ Email _____
Rates: Supervisor \$ _____/hr Foreman \$ _____/hr Journeyman \$ _____/hr Apprentice \$ _____/hr

SUBCONTRACTOR #2:

Name of Company _____ Fed ID # _____
Contact Person _____ Title _____
Company Address _____ Phone _____
Trade _____ Email _____
Rates: Supervisor \$ _____/hr Foreman \$ _____/hr Journeyman \$ _____/hr Apprentice \$ _____/hr

SUBCONTRACTOR #3:

Name of Company _____ Fed ID # _____
Contact Person _____ Title _____
Company Address _____ Phone _____
Trade _____ Email _____
Rates: Supervisor \$ _____/hr Foreman \$ _____/hr Journeyman \$ _____/hr Apprentice \$ _____/hr

SUBCONTRACTOR #4:

Name of Company _____ Fed ID # _____
Contact Person _____ Title _____
Company Address _____ Phone _____
Trade _____ Email _____
Rates: Supervisor \$ _____/hr Foreman \$ _____/hr Journeyman \$ _____/hr Apprentice \$ _____/hr

NOTE: All sub-contractors are subject to approval by the Town of Fairfield and are required to provide Fed ID #.

PROJECT MANUAL FOR

STAIR LIFT

JENNINGS ELEMENTARY SCHOOL

31 Palm Drive, Fairfield, CT 06825

OWNER

Town of Fairfield
725 Old Post Road
Fairfield, Connecticut 06824

TOWN OF FAIRFIELD

BID #2017-33

September 15, 2016

INDEX

Index
List of Drawings

DIVISION 1 - GENERAL REQUIREMENTS

01085 Applicable Standards
01300 Submittals and Substitutions.
01400 Quality Control
01500 Temporary Facilities
01710 Cleaning
01730 Operation & Maintenance Data
01800 Project Closeout

DIVISION 2 - DEMOLITION

02110 Demolition

DIVISION 14 – CONVEYING SYSTEMS

14423 Stair Lift

LIST of DRAWINGS

Drawings titled Proposed Stair Lift at Jennings Elementary School, 31 Palm Drive, Fairfield, CT, dated September 15, 2016.

Drawing

A-1-0 Stair Lift Drawing

SECTION 01085
APPLICABLE STANDARDS

PART ONE - GENERAL

1.1 DESCRIPTION

Work Included:

Throughout the Contract Documents, reference is made to codes and standards which establish qualities and types of workmanship and materials, and which establish methods for testing and reporting on the pertinent characteristics.

Where materials or workmanship are required by these Contract Documents to meet or exceed the specifically named codes or standards, it is the Contractor's responsibility to provide materials and workmanship which meet or exceed the specifically named code or standard.

It is also the Contractor's responsibility, when so required by the Contract Documents or by written request from the Architect, to deliver to the Architect all required proof that the materials or workmanship, or both, meet or exceed the requirements of the specifically named code or standard. Such proof shall be in the form required to be copies of a certified report of tests conducted by a testing agency approved for that purpose by the Architect.

1.2 QUALITY ASSURANCE

Familiarity with pertinent codes and standards: In procuring all items used in this work, it is the Contractor's responsibility to verify the detailed requirements of the specifically named codes and standards and to verify that the items procured for use in this work meet or exceed the specified requirements.

Rejection of non-complying items: The Architect reserves the right to reject items incorporated into the work which fail to meet the specified minimum requirements. The Architect further reserves the right, and without prejudice to other recourse the Architect may take, to accept non-complying items subject to an adjustment in the Contract Amount as approved by the Architect and the Owner.

Applicable standards: Listed in these Specifications include, but are not necessarily limited to, standards produced by the following agencies and organizations:

1. ACI American Concrete Institute, Box 18150, Redford Station, Detroit, MI 48219.
2. AISC American Institute of Steel Construction, Inc., 1221 Avenue of the Americas, New York, NY 10020.
3. ANSI American National Standards Institute
4. ASTM American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19111.
5. NEC National Electrical Code (see NFPA).
6. NEMA National Electrical Manufacturers Association, 155 East 44th Street, New York, NY 10017.
7. NFPA National Fire Protection Association, 470 Atlantic Avenue, Boston, MA 02210.
8. SDI Steel Deck Institute, 135 Addison Avenue, Elmhurst, IL 60125.
9. TCA Tile Council of America, Inc., P.O. Box 326, Princeton, NJ 08540.
10. UL Underwriter's Laboratories, Inc., 207 East Ohio Street, Chicago, IL 60611.
11. Fed. Specs. and Fed. Standards
Specifications Sales (3FRI), Building 197 Washington Navy Yard, General Services Administration, Washington, DC 20407.
12. BC State of Connecticut, Basic Building Code.
13. CDOT State of Connecticut Department of Transportation - Standard Specification for Road, Bridges and Incidental Construction.
14. NBFU National Bureau of Fire Underwriters.
15. ASME American Society of Mechanical Engineers, United Engineering Center, 345 East 47th Street, New York, NY 10017.
16. ASHRAE American Society of Heating, Refrigerating, and Air Conditioning Engineers, 345 East 47th Street, New York, NY 10017.
17. SMACNA Sheet Metal and Air Conditioning Contractors National Association, Inc., 1611 North Kent Street, Arlington, VA 22209.

18. AMCA Air Moving and Conditioning Association, 205 West Touhy Avenue, Park Ridge, IL.
19. ADA Americans with Disabilities Act
20. NCAA National Collegiate Athletic Association
21. UFAS Uniform Federal Accessibility Standards
22. CT Connecticut
23. IBC International Building Code
24. BSF State of Connecticut Bureau of School Facilities
25. Applicable Codes
 - 2003 International Existing Building Code
 - 2003 International Building Code
 - Connecticut Supplement, 2005
 - 2009 International Energy Code
 - 2003 International Mechanical Code
 - 2003 International Plumbing Code
 - 2011 NFPA 70, National Electrical Code
 - 2003 NFPA 101, Life Safety Code
 - 2003 International Fire Code
 - 2005 Connecticut State Fire Safety Code
 - 2003 NFPA 1, Uniform Fire Code
 - ICC/ANSI A117.1 – 2003
 - 2009 Connecticut Amendment/State Building & Fire Safety Code
 - 2011 Connecticut Amendment/State Building & Fire Safety Code
 - 2013 Connecticut Amendment/State Building & Fire Safety Code
 - 2009 International Energy Conservation Code
 - Connecticut Supplement/2005 State Fire Safety Code

END OF SECTION

SECTION 01300
SUBMITTALS & SUBSTITUTIONS

PART ONE - GENERAL

1.1 DESCRIPTION

Work Included:

Wherever possible throughout the Contract Documents the minimum acceptable quality of workmanship and materials has been defined by manufacturer's name and catalogue number, reference to recognized industry and government standards, or description of required attributes and performance.

To ensure that the specified products are furnished and installed in accordance with design intent, procedures have been established for advance submittal of design data and for their review by the Architect.

Make all submittals required by the Contract Documents, and revise and resubmit as necessary to establish compliance with the specified requirements.

Related Work Described Elsewhere: Individual requirements for submittals are described in pertinent other Sections of these Specifications.

1.2 QUALITY ASSURANCE

Coordination of Submittals: Prior to each submittal, carefully review and coordinate all aspects of each item being submitted and verify that each item and the submittal for it conforms in all respects with the requirements of the Contract Documents. By affixing the Contractor's signature to each submittal, certify that this coordination has been performed.

Certificates of Compliance:

Certify that all materials used in the work comply with all specified provisions thereof, certification shall not be construed as relieving the Contractor from furnishing satisfactory materials if, after tests are performed on selected samples, the material is found to not meet specified requirements.

1.3 SUBMITTALS

Make all submittals of shop drawings, samples, requests for substitution and other items in strict accordance with this Section.

PART TWO - PRODUCTS

2.1 SUBMITTAL SCHEDULE

General: Compile a complete and comprehensive schedule of all submittals anticipated to be made during progress of the work. Include a list of each type of item for which Contractor's Drawings, Shop Drawings, Certificates of Compliance, Material Samples, Guarantees, or other types of submittals are required.

2.2 SHOP DRAWINGS AND COORDINATION DRAWINGS

Shop Drawings:

- a. Scale and Measurements: Make all shop drawings accurately to a scale sufficiently large to show all pertinent aspects of the item and its methods of connection to the work.
- b. Type of prints required: Electronic submittals with the approved stamp and signature of the contractor on them.
- c. Reproduction of reviewed shop drawings: Printing and distribution of reviewed shop drawings for the Architect's use will be by the Contractor.

2.3 MANUFACTURER'S LITERATURE

General: Where contents of submitted literature from manufacturers' include data not pertinent to the submittal, clearly indicate which portion of the contents is being submitted for review.

Number of Copies Required: Submit the number of copies which are required to be returned plus one copy which will be retained by the Architect.

2.4 SAMPLES

Accuracy of Samples: Samples shall be of the precise article proposed to be furnished.

Number of Samples Required: Unless otherwise specified, submit all samples in the quantity which is required to be returned plus one which will be retained by the Architect.

Reuse of Samples: In situations specifically so approved by the Architect, the Architect's retained sample may be used in the construction as one of the installed items.

Rejected Sample: rejected samples will not be returned. A letter of rejection will be issued.

2.5 COLORS AND PATTERNS

Unless the precise color and pattern is specifically described in the Contract Documents, and whenever a choice of color or pattern is available in a specified product, submit accurate color and pattern charts to the Architect for review and selection.

2.6 SUBSTITUTIONS

Approval Required:

- a. The Contract is based on the standards of quality established in the Contract Documents.
- b. All products proposed for use, including those specified by required attributes and performance, shall require approval by the Architect before being incorporated into the work.
- c. Do not substitute materials, equipment or methods unless such substitution has been specifically approved for this work by the Architect.

"Or Equal":

- a. Where the phrase "or equal" or "or equal as approved by the Architect" occurs in the Contract Documents, do not assume that materials, equipment, or methods will be approved as equal unless the items has been specifically approved for this work by the Architect.
- b. The decision of the Architect shall be final.

PART THREE - EXECUTION

3.1 IDENTIFICATION OF SUBMITTALS

General: Consecutively number all submittals. Accompany each submittal with a Letter of Transmittal containing all pertinent information required for identification and checking of submittals.

Identify each sample and shop drawing with the project name. Contractors name, producer name and brand and the specification section number.

Re-submittals: When material is resubmitted for any reason, transmit under a new Letter of Transmittal.

3.2 COORDINATION OF SUBMITTALS

General: Prior to submittal for approval use all means necessary to fully coordinate all material including, but not necessarily limited to:

1. Determine and verify all interface conditions, catalog numbers, and similar data.
2. Coordinate with other trades as required.
3. Clearly indicate all deviations from requirements of the Contract Documents.

Grouping Submittals: Unless otherwise specified, make all submittals in groups containing all associated items to ensure that information is available for checking each item when it is received. Partial submittals may be rejected as not complying with the provisions of the Contract Documents and the Contractor shall be strictly liable for all delays so occasioned.

3.3 TIMING OF SUBMITTALS

General: Make all submittals far enough in advance of scheduled dates for installation to provide all time required for reviews, for securing necessary approvals, for possible revisions and re-submittals, and for placing orders and securing delivery.

Architect's review time: In scheduling, allow at least ten calendar days for review by the Architect following his receipt of the submittal.

Delays: Delays caused by tardiness in receipt of submittals will not be an acceptable basis for extension of the contract completion date.

3.4 ARCHITECT'S REVIEW

General: Review by the Architect shall not be construed as a complete check; but only that the general method of construction and detailing is satisfactory. Review shall not relieve the Contractor from responsibility for errors which may exist.

Revisions: Make all revisions required by the Architect. If the Contractor considers any required revision to be a change, he shall so notify the Architect as provided for under "Changes" in the General Conditions. Show each drawing revision by number, date, and subject in a revision block on the drawing. Make only those revisions directed or approved by the Architect.

3.5 CONTRACTORS REVIEW

The Contractor MUST review, approve and sign the shop drawings prior to submittal to the Architect. The Contractor is responsible for quantities, dimensions and verification of field conditions.

3.6 RESUBMITTALS

When any shop drawing or sample is required to be submitted more than two times for review the Contractor shall pay the cost for the Engineer and/or architect to review the additional submittals. The Architect/Engineer will bill the Owner for the extra cost and the Owner will backcharge the contractor for this expense.

QUALITY CONTROL
SECTION 01400

PART 1 - GENERAL

1.1 LABORATORY TESTING

The Owner will select and pay costs of all initial tests and reports listed in the various Sections.

1.2 QUALIFICATION OF LABORATORY

The construction inspection and materials testing laboratory selected will substantially comply with the basic requirements of ASTM E329-77, "Recommended Practice for Inspection and Testing Agencies for Concrete, Steel, and Bituminous Materials as Used in Construction" and will submit to the Architect a copy of the report of inspection of their facilities made by the Materials Reference Laboratory of the National Bureau of Standards during the most recent tour of such inspection, together with a memorandum stating steps taken to remedy deficiencies reported by this inspection.

Testing machines and instrumentation employed by the laboratory shall be calibrated at intervals not exceeding 12 months by devices of accuracy traceable to the National Bureau of Standards; and the laboratory will submit to the Architect applicable documentation of calibration.

1.3 AUTHORITY AND DUTIES OF THE LABORATORY

The Laboratory will not be authorized to revoke, alter, relax, enlarge, or release any requirements of the Contract Documents or to approve or accept any portion of the work. When it appears that the material furnished or work performed by the Contractor fails to fulfill Contract Document requirements, the laboratory will promptly direct the attention of the Architect and the Contractor to such deficiencies.

Results of all testing specified will be documented in report form and 4 copies of each report will be issued promptly and directly to the Architect for review and distribution.

1.4 RESPONSIBILITIES AND DUTIES OF CONTRACTOR

The use of laboratory services shall in no way relieve the Contractor of his responsibility to furnish materials and construction in full compliance with the requirements of the Contract Documents.

To facilitate testing services, the Contractor shall cooperate with the laboratory and secure and deliver to the Architect or to the laboratory, without extra cost to the Owner,

Preliminary representative samples of the materials he proposes to use and which are required to be tested.

Furnish such casual labor and all facilities which are necessary to obtain and handle samples at the project and to facilitate the specified inspections.

Advise the laboratory sufficiently in advance of operations to allow for completion of tests and for the assignment of personnel.

Provide and maintain for the sole use of the laboratory adequate facilities for safe storage and proper curing of such test specimens which must remain on the project site prior to testing.

Pay the laboratory for such tests or inspections as are performed exclusively for the Contractor's convenience, and for such retests as may be occasioned by initial nonconformance of the materials with the Contract Documents.

END OF SECTION

01400-2

SECTION 01500
TEMPORARY FACILITIES

PART ONE - GENERAL

1.1 DESCRIPTION

Work Included: Temporary facilities and controls required for this work include, but are not necessarily limited to:

1. Enclosures such as tarpaulins, barricades, and canopies including those required to provide a separation between the area of construction and the remaining areas.
2. All pertinent safety regulations; ladders, planks, hoists, barricades, and similar items normally furnished by the individual trades in execution of their own portions of the work.

1.2 PRODUCT HANDLING

Use all means necessary to maintain temporary facilities and controls in proper and safe condition throughout progress of the work.

PART TWO - PRODUCTS

2.1 UTILITIES

General: All temporary facilities shall be subject to the Architect's approval and shall be provided by the contractor as required.

Electricity: Electrical contractor shall furnish and install all necessary temporary wiring, as required to provide adequate power and artificial lighting at all points where required for work and safety.

2.2 ENCLOSURES

Furnish, install and maintain for the duration of construction all required scaffolds, tarpaulins, barricades, canopies, warning signs, steps, bridges, platforms, and other temporary construction necessary for proper completion of the work in compliance with all safety and other regulations.

PART THREE - EXECUTION

3.1 MAINTENANCE AND REMOVAL

Maintain all temporary facilities and controls as long as needed for the safe and proper completion of the work. Remove all facilities at the completion of the project.

END OF SECTION

SECTION 01710
CLEANING

PART ONE - GENERAL

1.1 DESCRIPTION

Work Included: Throughout the construction period, maintain the building and site in a standard of cleanliness as described in this Section.

Related Work Described Elsewhere: In addition to standards described in this Section, comply with all requirements for cleaning up as described in various other sections of these Specifications.

1.2 QUALITY ASSURANCE

Inspection: Conduct daily inspection, to verify that requirements of cleanliness are being met.

Codes and Standards: In addition to the standards described in this Section, comply with all pertinent requirements of governmental agencies having jurisdiction.

PART TWO - PRODUCTS

2.1 CLEANING MATERIALS AND EQUIPMENT

Provide all required personnel, equipment, and materials needed to maintain the specified standard of cleanliness.

2.2 COMPATIBILITY

Use only the cleaning materials and equipment, which are compatible with the surface being cleaned, as recommended by the manufacturer of the material.

PART THREE - EXECUTION

3.1 PROGRESS CLEANING

Retain all stored items in an orderly arrangement allowing maximum access, not impeding drainage or traffic, and providing the required protection of materials.

Do not allow the accumulation of scrap, debris, water material and other items not required for construction of this work.

Maintain the site and building in a neat and orderly condition at all times.

Daily, and more often if necessary, inspect the structures and pick up all scrap, debris, and waste material. Remove all such items to the place designated for their storage.

As required preparatory to installation of succeeding materials, clean the structures or pertinent portions thereof to the degree of cleanliness recommended by the manufacturer of the succeeding materials, using all equipment and materials required to achieve the required cleanliness.

3.2 FINAL CLEANING

General: Prior to completion of the work, remove from the job site all tools, surplus materials, equipment, scrap, debris, and waste.

Site: Unless otherwise specifically directed by the Architect, broom clean all paved areas on the site directly adjacent to the area of construction. Completely remove all resultant debris.

END OF SECTION

SECTION 01730
OPERATION AND MAINTENANCE DATA

PART ONE - GENERAL

1.1 DESCRIPTION

Work Included: To aid in the continued instruction of operating and maintenance personnel, and to provide a positive source of information regarding the products incorporated in the work, furnish and deliver the data described in this Section and in pertinent Sections of these Specifications.

Related Work Described Elsewhere:

Make all submittals in strict accordance with the provisions of Sections 01300.

Required contents of submittals may also be amplified in the pertinent other Sections.

1.2 QUALITY ASSURANCE

In preparation of data required by this Section, use only personnel who are thoroughly trained and experienced in operation and maintenance of the described items, completely familiar with the requirements of this Section, and skilled in technical writing to the degree needed for communicating the essential data.

1.3 SUBMITTALS

Manual: Submit three copies of all manuals to the Architect prior to the final acceptance of the work.

PART TWO - PRODUCTS

2.1 INSTRUCTION MANUALS

General: Submit instruction and maintenance manuals in the following form: 8-1/2" X 11" paper, typewritten, with front cover that clearly identifies the manual.

Contents: Include at least the following information in all manuals:

- a. Name and model number of equipment.
- b. Complete instructions regarding operation and maintenance of all equipment involved, including lubrication, disassembly, and reassembly.
- c. Complete nomenclature and part number of all replacement parts, name and address of nearest vendor, and all other pertinent data regarding procurement procedure.
- d. Copy of all guarantees and warranties issued.
- e. Such other data as required in pertinent other Sections of these specifications.

PART THREE - EXECUTION

3.1 INSTRUCTION MANUALS

All manuals shall be prepared to make the Owner aware of all required maintenance of equipment.

END OF SECTION

SECTION 01800
PROJECT CLOSEOUT

PART ONE - GENERAL
CLEAN-UP

Remove all temporary utilities including the construction fence from the site.

At substantial completion of the project clean all surfaces, remove all labels, clean the construction area of the site and remove all debris from the site.

GUARANTEE & WARRANTY

In addition to the warranty & guarantees stipulated in the general conditions the following shall apply;

Warrant and guaranty all work for a period of one year from the date of the certificate of occupancy obtained from the Town of Fairfield, CT. This shall include all work performed by subcontractors, and material supplied by subcontractors.

MAINTENANCE MANUALS

Submit three copies of maintenance and operating manuals that specify full details for care and maintenance of all new equipment and visible surfaces.

END OF SECTION

SECTION 02110
DEMOLITION

PART ONE - GENERAL

1.1 DESCRIPTION

Work Included: Provide all labor and materials required to demolish, remove from site and properly dispose of items indicated to be removed. Work to be performed in school shall include, but not be limited to, the following:

- a. Remove existing stair lift and all related components including controls.

Remove all structures or other items, not specifically mentioned herein, but required to be removed to construct the project as indicated on the drawings and in the project manual.

The Contractor shall comply with all applicable codes and ordinances of the State of Connecticut and the local authorities.

Operations during demolition procedures shall not interfere with normal traffic on adjacent areas of the building and in all cases the Contractor shall provide for the protection of the public.

PART TWO - PRODUCTS

No materials are specified for the work of this Section.

2.1 PROCEDURE

Protection: Protect all existing buildings, trees, shrubs, etc. that are designated to remain.

PART THREE - EXECUTION

- 3.1 Disposal: Dispose of all material in strict accordance with all applicable State, Local and Federal Regulations. Contractor to assume full responsibility for the proper removal and disposal of all hazardous and non-hazardous materials.

Hazardous Material: It is the Contractors' responsibility to report the discovery of any suspected hazardous, toxic, or asbestos material to the Owner and the Architect immediately upon discovery.

END OF SECTION

SECTION 14423
STAIR LIFT

PART ONE - GENERAL

1.1 SECTION INCLUDES

- A. Stair lift for straight stairs.

1.2 REFERENCES

- A. ASME A17.5 – Elevator and Escalator Electrical Equipment
- B. ASME A18.1a 2001 – Safety Standard for Platform Lifts and Stairway Chairlifts
- C. CSA B44.1 – Elevator and Escalator Electrical Equipment
- D. CSA B355 – Lifts for Persons with Physical Disabilities
- E. ICC/ANSI A117.1 – Accessible and Usable Buildings and Facilities
- F. NFPA 70 – National Electric Code
- G. CSA – National Electric Code

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300
- B. Product Data: Manufacturer’s data sheets on each product to be used, including:
 - 1. Submit manufacturer’s installation instructions, including preparation, storage and handling requirements.
 - 2. Include complete description of performance and operating characteristics.
 - 3. Show maximum and average power demands
- C. Shop Drawings:
 - 1. Show details of assembly, erection and anchorage
 - 2. Show complete layout and location of equipment, including required clearances.
- D. Selection Samples: For each finished product specified, two complete sets of color chips representing manufacturer’s full range of available colors and patterns.
- E. Verifications Samples: For each finished product specified, two samples, representing actual product, color and patterns.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Firm with minimum 10 years documented experience in manufacturing of inclined wheelchair platform lifts of installations of type specified.
- B. Installer Qualifications: Firm licensed to install equipment of this scope, with evidence of experience with specified equipment. Installer shall maintain an adequate stock of replacement parts and have qualified people available to ensure timely maintenance and callback service at the project site.

1.5 REGULATORY REQUIREMENTS

- A. Provide platform lifts in compliance with:
 - 1. ASME A18.1 – Safety Standard for Platform Lifts and Stairway Chairlifts
 - 2. ASME A17.5 – Elevator and Escalator Electrical Equipment
 - 3. NFPA 70 – National Electric Code

- B. Provide platform lifts in compliance with:
 - 1. CSA B355 – Lifts for Persons with Physical Disabilities
 - 2. CSA B44.1/ASME A17.5 – Elevator and Escalator Electrical Equipment
 - 3. CSA – National Electric Code

1.6 DELIVERY, STORAGE AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store components off the ground in a dry covered area, protected from adverse weather conditions.

1.7 PROJECT CONDITIONS

- A. Do not use wheelchair lift for hoisting materials or personnel during construction period.
- B. Contractor to field-verify all site conditions prior to submitting a bid.

1.8 WARRANTY

- A. Warranty: Provide a two-year lifetime warranty covering replacement of defective parts and excluding labor. Preventive maintenance agreement required.
- B. Extended Warranty: provide an additional five-year limited warranty covering replacement of defective parts and excluding labor for a total of seven years. Preventive maintenance agreement required.

1.9 MAINTENANCE SERVICE

- A. Furnish service and maintenance for elevator system and components for the following period from Date of Substantial Completion.
 - 1. One year
- B. Include systematic examination, adjustment and lubrication of elevator equipment. Repair or replace parts whenever required. Use parts produced by manufacturer of original equipment. Replace wire ropes when necessary to maintain required factor of safety.
- C. Provide emergency call back service for this maintenance period.
- D. Perform maintenance work using competent and qualified personnel approved by elevator manufacturer or original installer.

PART TWO – PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Garaventa Life.
United States: PO Box 1769, Blaine, WA 98231-1769.
Canada: 7505 134A St., Surrey, BC V3W 7B3, ASD.
Toll Free: 800-663-6556. Tel: (604) 594-0422. Fax: (604) 594-9915
Email: productinfo@garaventalift.com Web: www.garaventalift.com.
- B. Requests for substitutions will be considered in accordance with provisions of these specifications.

2.2 BATTERY POWERED STAIR LIFT FOR STRAIGHT STAIRWAYS

- A. Inclined Platform Lift: Garaventa Lift Stair-Lift Model X3 to serve one flight of straight stairs, with two landings and two stops. Lift consists of an extruded aluminum guide rail, a folding platform that is moved along the guide rail by an integrated rack and pinion drive system, overspeed safety system and call stations at each landing. Conform to the following design requirements:
1. Application: Indoor
 - a. commercial (installed in an area open to the public).
 2. Platform Load Rating: 550 lbs, with minimum safety factor of 5.
 3. Travel Speed: 13 fpm traveling up; 16 fpm traveling down.
 4. Platform Deck: Surface shall be slip resistant with the following features;
 - a. Platform Size A (ADA Compliant): 31 ½ inches wide by 48 inches long.
 5. Platform Operation:
 - a. Automatic Fold: Folded and unfolded electrically from the call station.
 - b. Emergency Manual Fold: when left in the open position, platform may be manually folded and retained in the closed position.
 6. Under Platform Obstruction Sensing:
 - a. Provide under-platform sensing device to stop platform from traveling in the downward direction when encountering 4 lb/f of pressure.
 - b. Platform is permitted to travel in the opposite direction of the obstruction to allow clearing.
 7. Passenger Curved Safety Arms:
 - a. Platform equipped with retractable passenger restraining arms.
 - b. Arms stop moving when an obstruction causing 4 lb/f of pressure is encountered and immediately retract when signal is removed.
 - c. Arms folded and unfolded electrically from the call stations or platform controls.
 - d. Provide with means to manually unlock and open the restraining arms for passenger emergency evacuation.
 - e. Top of arms mounted 37-3/8 inches above platform deck. When in guarding position arms are located above the perimeter of the platform.
 - f. Gaps between ends of the arms shall not exceed 4 inches.
 8. Boarding Ramps:
 - a. Provide boarding sides of platform with retractable ramps positioned for travel at a height of 6 inches measured vertically above platform deck.
 - b. Ramps lock in guarding positions during travel. When platform is at the landing, only the retractable ramp servicing the landing shall be operable.
 - c. Ramps folded and unfolded electrically.
 - d. Retractable ramps, in the guarded position, shall withstand a force of 125 lb/f applied on any 4 inches by 4 inches area. This force shall not cause the height of the ramp, at any point in its length, to be less than 6 inches (150mm) measured vertically above the platform deck.
 - e. Provide a means to manually unlock the ramps for emergency evacuation when platform is located at landing.

- f. Provide with a bi-directional obstruction sensitive device on the travel direction side end of the platform to stop the lift when 4 lb/f of pressure is encountered. Platform is permitted to travel in the opposite direction of obstruction to allow clearing.
 9. Platform Sidewall:
 - a. Provide on the non-boarding and non-guide rail side of the platform a sidewall of not less 6 inches in height, measured vertically from the platform deck.
 10. Controls:
 - a. Controls: 24 VDC Low Voltage type.
 - b. Platform equipped with emergency stop switch located within reach of passenger. Emergency stop button shall cause electric power to be removed from the drive system stopping lift immediately.
 - c. Platform controls shall be two separate 1-1/2 inch diameter round constant pressure buttons with directional arrows, and an emergency stop switch mounted on the front surface of the platform control panel.
 - d. When the platform arrives at landing and the user releases the directional control button, the user manually raises the arm on the entry side of the platform thus lowering the platform ramp.
 - e. Platform control panel includes a receptacle for an optional plug-in hand-held attendant pendant control.
 11. Platform On-Board Emergency Alarm: Provide platform with an on-board alarm that sounds when emergency stop button is pushed. The alarm shall have a battery back-up so that it will continue to function if lift power is lost.
- B. Drive and Guide Rail System:
1. Operation:
 - a. Motor: 24 Volt PMDC motor with IP54 protection.
 - b. Power requirements: 2 x 12 VDC 7.2Ah batteries located behind conveyance. Equipped with "out of charging station" alarm.
 - c. Charger: 120 VAC single phase, 50 Hz. on a dedicated circuit, providing 2-amp charging current to unit.
 - d. Power Transmission: Worm gear reduction to a pinion moving on a fixed gear rack.
 - e. Provide a frequency inverter to smoothly start and stop the platform motion.
 - f. Locate drive carriage and associated control devices within the platform conveyance.
 - g. Provide an upper final limit switch to stop the lift in the event of a failure of the primary limit switch.
 - h. Equip drive system with an hour counter.

2. Guide Rail System:
 - a. Two-part guide rail system consisting of:
 - 1) Main Upper Rail: Anodized aluminum extrusion weighing 8 lb/ft (11.9 kg/m) with integrally mounted zinc plated gear rack.
 - 2) Lower Rail: 1-1/2 inches (38 mm) by 201/2 inches (64 mm) anodized aluminum extrusion.
 - b. Rail Mounting:
 - 1) Direct Mount Solid Walls: Rails directly mounted to the stairway wall. Contractor to verify that this is an acceptable method based on field conditions prior to proceeding.
 - c. Provide a mechanical stop at the upper landing to prevent over-travel of the drive carriage in the event of a switch failure.
 3. Provide overspeed governor and brake on upper carriage drive, containing mechanical overspeed sensor lock, with electrical drive cut-out protection.
 4. Provide with manual handwheel for emergency operation.
 5. Provide platform with folding seat.
- C. Call Stations:
1. Provide wireless call stations at both landings.
 2. Call stations shall be provided with directional control buttons for call and send.
 3. A one-touch control system shall be used to automatically fold/unfold the platform, boarding ramps and passenger safety arms.
- D. Finish:
1. Design and fabricate lift to manufacturer's standard design for indoor and outdoor locations.
 - a. Aluminum guide rails and ramps to be anodized aluminum. Steel components shall be painted with electrostatically applied and baked powder coat as follows:
 - 1) Fine Textured Satin Grey (RAL 7030)
 - b. Electrical printed circuit boards and control transformers to be treated with a conformal coating for resistance to ambient moisture.

PART THREE – EXECUTION

3.1 EXAMINATION

- A. Prepare substrate as required for proper installation of the stair lift.
- B. Verify required supports are correct
- C. Verify electrical rough-in is at correct locations

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install platform lists in accordance with in compliance with regulatory requirements specified and the manufacturer's instructions.
- B. Install system components and connect to building utilities.
- C. Accommodate equipment in space indicated.
- D. Startup equipment in accordance with manufacturer's instructions.
- E. Adjust for smooth operation.

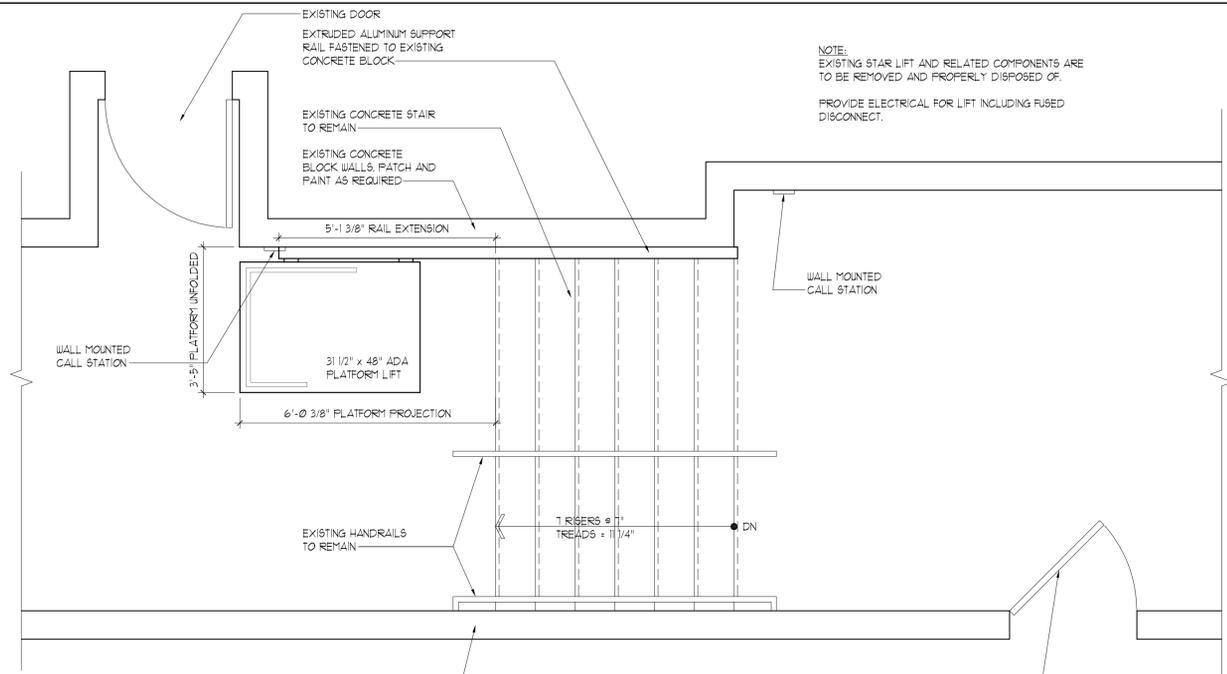
3.4 FIELD QUALITY CONTROL

- A. Perform tests in compliance with regulatory requirements specified and as required by authorities having jurisdiction.
- B. Schedule tests with agencies and Architect, Owner and Contractor present.

3.5 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION

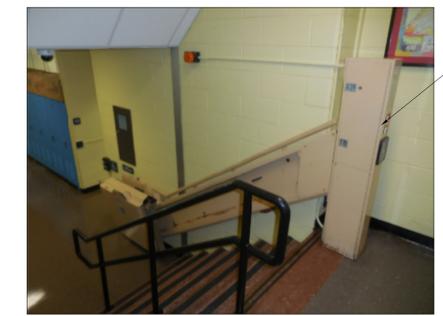


1 STAIR & LIFT PLAN
SCALE: 1/2"=1'-0"

NOTE:
EXISTING STAIR LIFT AND RELATED COMPONENTS ARE TO BE REMOVED AND PROPERLY DISPOSED OF.
PROVIDE ELECTRICAL FOR LIFT INCLUDING FUSED DISCONNECT.

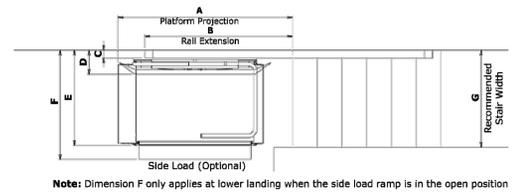
- GENERAL REQUIREMENTS**
- All construction shall be performed in strict accordance with all Federal, State, Local Codes, and all agencies having jurisdiction.
 - Contractor shall fully familiarize himself with the Contract Documents and the site and notify the Architect, in writing, of any discrepancies. Contractor shall visit the site, verify existing conditions, dimensions, etc. and notify the Architect, in writing, of any discrepancies directly relating to the new work.
 - Contractor shall perform all work not necessarily indicated in the Contract Documents, but required to construct the proposed project.
 - The Contractor shall assume full responsibility for construction site safety, construction methods and techniques, and scheduling.
 - Dimensions of work shall not be determined by scale or ruled figured dimensions shall be followed at all times.
 - The General Conditions of the Contract of Construction, A Document A201, Latest Edition, Articles 1 to 14 inclusive, are part of the accompanying specifications and all directions thereof.
 - The Contractor must obtain and pay for all permits.
 - All individual trades, i.e. HVAC, Electrical, Plumbing, must obtain their own respective permits.
 - The General Contractor shall be responsible for cleaning the area of construction, including washing of all windows, and leaving it broom-clean. Each Subcontractor at the completion of his work shall remove from the premises all surplus material, debris, etc. caused by his work as required and specified herein.
 - All work performed under this Contract shall be guaranteed for a period of one (1) year minimum from date of acceptance by the Owner.
 - The General Contractor shall name the Architect and the Owner as additional insured on the Comprehensive General Liability Policies and Builders' Risk Policies.
 - All contractors must submit evidence of liability insurance, worker's compensation insurance, and builder's risk insurance. All workers on the jobsite must be covered by workers compensation insurance.
 - Throughout the construction period, maintain the building and site in a standard of cleanliness and in a neat and orderly condition at all times.
 - Daily, and more often if necessary, inspect the construction area and pick up all scrap, debris, and waste material. Remove all such items to the place designated for their storage.
 - Protect all areas of the existing building that may be impacted by the construction, during construction. All occupied areas of the existing building are to remain fully functional and safe during construction.
 - All construction debris shall be stored in trash containers and removed from the site when filled. Location to be agreed upon with the owner.
 - All specified items shall be installed in conformance to manufacturer's recommendations and specifications.
 - No substitutions are permitted without written approval by the Architect in advance.
- APPLICABLE CODES**
- 2003 International Building Code
 - Connecticut Supplement, 2005
 - 2003 NFPA 101 Life Safety Code
 - 2003 International Fire Code
 - 2005 Connecticut State Fire Safety Code
 - 2003 NFPA 1, Uniform Fire Code
 - ICC/ANSI A117.1-2003
 - 2009 Connecticut Amendment/State Building 4 Fire Safety Code
 - 2011 Connecticut Amendment/State Building 4 Fire Safety Code
 - 2013 Connecticut Amendment/State Building 4 Fire Safety Code
 - Connecticut Supplement/2005 State Fire Safety Code

- NOTES:**
- MODEL: GARAVENTA X3 INCLINED PLATFORM LIFT
 - DESCRIPTION:
RACK AND PINION DRIVE SYSTEM WITH BATTERY OPERATION;
-550 LB. CAPACITY; POWER FOLD AND UNFOLD 30° x 48 ADA PLATFORM;
-AUTOMATED CURVED SAFETY ARMS THAT FOLD DOWN WHEN STORED;
- PLATFORM BUTTON AND (2) WIRELESS WALL STATIONS;
-SAFETY SENSORS UNDER PLATFORM AND ON LEADING RAMP
- PASSENGER GRAB BARS
 - CONTRACTOR TO PROVIDE A LOCKABLE FUSED DISCONNECT. THIS SHALL BE INCLUDED IN POWER FEED. LOCATION TO BE DETERMINED IN FIELD WITH ARCHITECT.
 - ALL WALLS TO BE PATCHED AND PAINTED TO MATCH EXISTING.
 - CONTRACTOR TO VERIFY THAT REQUIRED HEIGHT CLEARANCES ARE MAINTAINED PRIOR TO ORDERING LIFT.
 - CONTRACTOR TO VERIFY ALL FIELD DIMENSIONS AND CONFORMANCE WITH APPLICABLE CODES.
 - EXISTING PLATFORM LIFT AND CONTROLS TO BE REMOVED.
 - CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY ARCHITECT PRIOR TO ORDERING.
 - CONTRACTOR TO OBTAIN CT STATE APPROVALS PRIOR TO PROCEEDING.



EXISTING CONDITION REFERENCE PHOTO

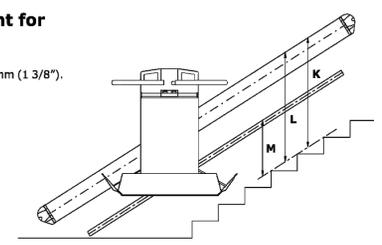
DESIGN GUIDE TABLES BY GARAVENTA LIFT
Minimum Site Dimension Requirements



MINIMUM SITE DIMENSION REQUIREMENTS	
PLATFORM PROJECTION AND RAIL EXTENTIONS	
EXISTING STAIR ANGLE (VIF)	30°
DIMENSION A - PLATFORM PROJECTION	72 3/8"
DIMENSION B - RAIL EXTENSION	61 3/8"
STAIR WIDTH CLEARANCES	
DIRECT MOUNT RAIL TO WALL	
DIMENSION C - RAIL PROTRUSION	3 1/4"
DIMENSION D - PLATFORM FOLDED	13 5/8"
DIMENSION E - PLATFORM UN-FOLDED	41"
DIMENSION F - SIDE LOAD RAMP	49 1/2"
DIMENSION G - STAIR WIDTH	41 3/4"

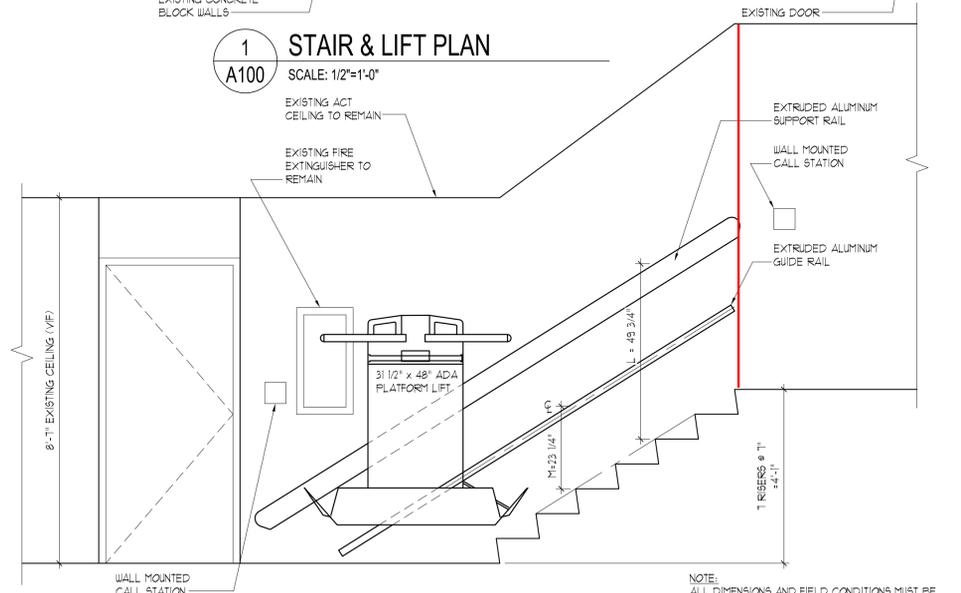
Wall Height Requirement for Direct Mounting

*True wall height is dimension K plus 35 mm (1 3/8").



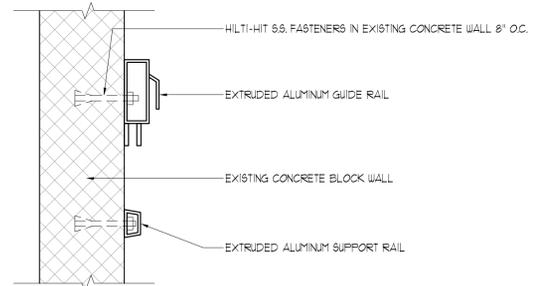
WALL HEIGHT REQ. FOR DIRECT MOUNTING	
DIMENSION K - MIN. WALL HEIGHT	50 3/4"
DIMENSION L - UPPER RAIL HEIGHT	49 3/4"
DIMENSION L - LOWER RAIL HEIGHT	23 1/4"

NOTE:
ALL DIMENSIONS IN TABLES TO BE VERIFIED WITH LIFT MANUFACTURER PRIOR TO BIDDING.



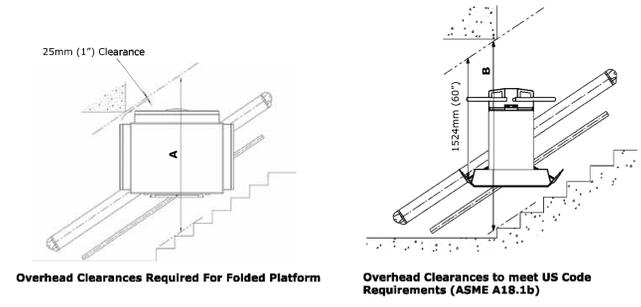
2 LIFT ELEVATION
SCALE: 1/2"=1'-0"

NOTE:
ALL DIMENSIONS AND FIELD CONDITIONS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO SUBMITTING A BID.
ANY AND ALL PATCHING TO RESTORE SURFACES TO CURRENT CONDITION IS PART OF THE CONTRACT.

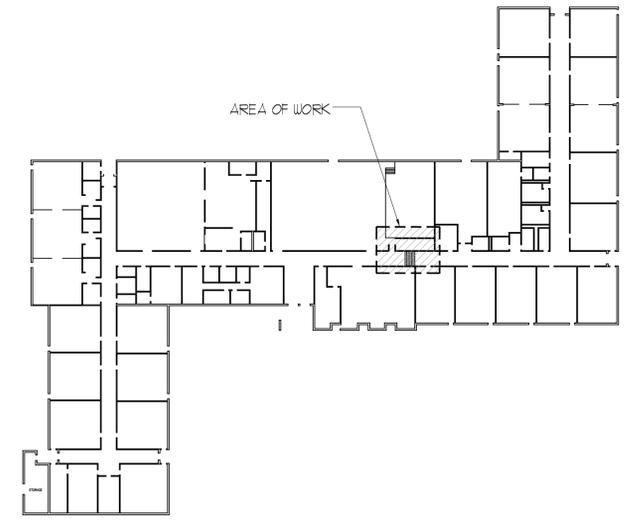


3 WALL MOUNT DETAIL
SCALE: 1-1/2"=1'-0"

NOTE:
-FASTENING DETAIL TO BE REVIEWED WITH LIFT MANUFACTURER PRIOR TO INSTALLATION.
-CONTRACTOR TO VERIFY EXISTING WALL MAKE-UP



OVERHEAD CLEARANCES	
EXISTING STAIR ANGLE (VIF)	30°
DIM. A PLATFORM RUNNING CLEARANCE	71 3/4"
DIM. B CODE REQUIREMENTS	91 1/4"



KEY PLAN
N.T.S.

TOWN OF FAIRFIELD
BID# 2017-33

THIS DRAWING IS THE PROPERTY OF THE ARCHITECT. IT HAS BEEN PREPARED SPECIFICALLY FOR THE OWNER FOR THIS PROJECT AT THIS SITE, AND IS NOT TO BE USED FOR ANY OTHER PURPOSE, LOCATION, OR OWNER, WITHOUT WRITTEN CONSENT OF THE ARCHITECT.

REVISED:

SCALE: AS NOTED	DATE: 09.15.16	DRAWN: JDL
--------------------	-------------------	---------------

PHILIP H. CERRONE III, AIA, NCARB
ARCHITECT
421 Meadow Street
Fairfield, Connecticut 06824
203-333-2066

Proposed Stair Lift:
Jennings Elementary School
Fairfield, Connecticut

STAIR LIFT DRAWING

16-20

A-100