



Town of Fairfield

Sullivan Independence Hall
725 Old Post Road

Fairfield, Connecticut 06824
Purchasing Department

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

BID #2020-30R SUPPLY & INSTALL DOOR/WINDOW SECURITY PANELS FAIRFIELD PUBLIC SCHOOLS

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

Date Submitted _____, 2019.

Bidder:

Doing Business As (Trade Name)

Address

Town, State, Zip

(Mr./Ms.) Name and Title, Printed

Signature

Telephone

Fax

E-mail

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.



First Selectwoman



Director of Purchase

12/6/2019

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, Wednesday, 8th January, 2020

To provide labor, materials, equipment, and all else necessary, to supply and install plastic glazing to selected interior door and window security panels and associated components at thirteen (13) Fairfield Public School facilities.

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/affiliate or entity under common control 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, and shall be determined by the Town.
3. Bid proposals are to be submitted in a sealed envelope and clearly marked "BID #2020-30R" on the outside of the envelope, including all outer packaging, such as, DHL, FedEx, UPS, etc.
4. It is the sole responsibility of the bidder to see that the bid is received by the Fairfield Purchasing Department prior to the time and date noted above. Bid proposals are not to be submitted via email or fax.
5. Bid proposals are not to be submitted with plastic binders or covers, nor may the bid proposal contain any plastic inserts or pages.

OVERVIEW

The Town of Fairfield (Town), on behalf of its Board of Education, is seeking competitive bids from qualified contractors to supply and install plastic glazing to selected interior door and window security panels and associated components at thirteen (13) Fairfield Public School facilities.

The project shall include all work as specified in the attached contract documents prepared by:

Philip H. Cerrone III, Architect
421 Meadow Street
Fairfield, CT 06824.

PRE-BID CONFERENCE

A pre-bid conference will commence at **2:00pm on Thursday, 19th December, 2019** in the Lobby area of Fairfield Warde High School facility, 755 Melville Avenue, Fairfield, for prospective bidders to scope the conditions.

- While the meeting is non-mandatory, prospective bidders will be required to sign-in at commencement of the meeting. The sign-in sheet will be posted on the Purchasing Department 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 Addenda.

ADDENDA / REQUESTS FOR INFORMATION (RFI)

Addenda concerning important information and/or modifications to specifications will be posted on the Fairfield Purchasing Department website at **www.fairfieldct.org/purchasing**

- It is each Bidder's sole responsibility to monitor the above website for all updated information.
- Addenda will not be mailed, e-mailed or faxed out.
- Written requests for information will not be accepted after **11:00am on Thursday, 26th of December, 2019**.
- Verbal requests for information via phone or other means will not be accepted.
- Failure to comply with these conditions will result in the bidder waiving the right to dispute bid specifications and conditions, no exceptions.

Questions concerning this bid must be submitted in writing and directed only to:

Ms. Lee A. Flaherty, Junior Buyer: LFlaherty@fairfieldct.org

Response will be in the form of an addendum that will be posted approximately **Tuesday, the 31st December, 2019** to the Town of Fairfield website, which is 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.

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.

All bonds, including payment and performance bonds when applicable, shall be written by a surety company or companies licensed to issue bonds in the State of Connecticut, and shall have at least an A-VII policy holders rating, as reported by A.M. Best Rating Services, or otherwise deemed acceptable by the Town. The Town always reserves the right to reject surety companies, if an approved surety bond cannot be provided the bidder shall be deemed non-responsive.

A complete list of certified surety companies can be accessed on the U.S. Government Department of Treasury website; https://www.fiscal.treasury.gov/fsreports/ref/suretyBnd/c570_a-z.htm

REQUIREMENTS

- A. Any sizes or estimate of quantities as shown on 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 its best interest.
- B. Price is to include all labor, materials, tools, equipment, plans, mobilization, permits, insurances, etc., required to properly complete the project.

REQUIREMENTS (continued)

- C. The Town of Fairfield reserves the right to award the bid with multiple items:
 - a. to more than one bidder, based on meeting the item(s) specification, cost, availability, or any combination of these criteria;
 - b. to a single bidder who meets the specifications for all items, and offers the best combination of lowest cost, best availability, and broadest product range;
 - c. and may add, subtract or delete any item and/or quantity as deemed in the best interest of the Town.
- D. 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.
- E. The successful bidder MUST secure all required licenses and permits (local, state, federal) prior to commencing work on the site.
- 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, including state and federal agencies.
- G. If total project exceeds \$100,000 prevailing wage rates shall apply.**
- H. Upon Award, all bidding documents shall constitute a legal contract including but not limited to the following; Bid Invitation, Addendum, CT DOL Prevailing Wage Documents, Award Resolution, Town Purchase Order, and AIA Contract or equivalent when applicable.**

**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 #2020-30R**” 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 only be directed in writing to:

Ms. Lee A. Flaherty, Junior Buyer: LFlaherty@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.

All bid bonds shall be written by a surety company or companies licensed in the State of Connecticut, and shall have at least an A-VII policy holders rating, as reported by A.M. Best Rating Services, or otherwise deemed acceptable by the Town. The Town always reserves the right to reject surety companies, if an approved surety bond cannot be provided, the bidder shall be deemed non-responsive.

A complete list of certified surety companies can be accessed on the U.S. Government Department of Treasury website: https://www.fiscal.treasury.gov/fsreports/ref/suretyBnd/c570_a-z.htm

NOTE: 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.

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.

**PURCHASING AUTHORITY
TOWN OF FAIRFIELD
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TERMS AND CONDITIONS OF BID**

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. Additionally, the Town reserves the right to consider other factors in an award, such as the Town's prior experience with a vendor for services previously provided.

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 where 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.

All payment and performance bonds shall be written by a surety company or companies licensed to issue bonds in the State of Connecticut, and shall have at least an A-VIII policy holders rating, as reported by A.M. Best Rating Services, or otherwise deemed acceptable by the Town. The Town always reserves the right to reject surety companies, if approved surety bonds cannot be provided the contract shall be terminated.

A complete list of certified surety companies can be accessed on the U.S. Government Department of Treasury website: https://www.fiscal.treasury.gov/fsreports/ref/suretyBnd/c570_a-z.htm

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.

INSURANCE

The Contractor shall not commence any work under the Contract until all insurance required by this section has been obtained and Certificates of Insurance and any other evidence of required coverage requested by the Town, including a copy of the policy itself, have been received and approved by the Town.

Such policies shall stipulate that no coverage can be changed or canceled, including for non-payment of premium, unless the Town 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 Town always reserves the right to reject insurance companies, if approved insurance policies cannot be provided the contract shall be terminated.

The insurance requirements set forth below are minimum limits of coverage only and in no way limit the Contractor's liability.

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 five (5) years. Insurance will be primary and non/contributory with a 30-day notice of cancellation in favor of the Town of Fairfield. Insurance carriers will be no less than A-rated and admitted carrier or subject to review by Town of Fairfield.

Worker's Compensation Insurance: The Contractor shall carry Worker'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.

**PURCHASING AUTHORITY
TOWN OF FAIRFIELD
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INSURANCE (continued)

Automobile Insurance: The Contractor shall carry and maintain during the life of the Contract a policy with a combined single limit of \$1,000,000 and rider CA9948 or equivalent.

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.

Commercial General Liability:

- Bodily Injury and Property Damage \$1,000,000 each occurrence / \$2,000,000 aggregate
- Products/Completed Operations \$1,000,000 each occurrence / \$2,000,000 aggregate

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.

Umbrella/Excess Policy: An umbrella policy in the amount of \$5,000,000, with respect to all operations the Contractor performs, is required.

Waiver of Subrogation: Waiver of subrogation is required on all policies.

Pollution Liability Insurance: Where applicable, a policy in the amount of \$5,000,000 including coverage for transport and other offsite risks. Such policy must be given to the Town for review and determination of acceptability before an award will be made.

Additional Insureds: The Town of Fairfield, Fairfield Board of Education, its officers, officials, employees, agents, Boards, and Commissions shall be named as Additional Insureds on the General Contractor's and Subcontractors' Commercial General Liability, (for ongoing and completed operations), Automobile, and Umbrella. The coverage shall be primary and non-contributory and contain no special limitations on the scope of protection afforded to the Town of Fairfield. A waiver of subrogation applies under general liability, auto liability and workers compensation.

The coverage shall be primary and non-contributory and contain no special limitations on the scope of protection afforded to the Town of Fairfield. A waiver of subrogation applies under general liability, auto liability and workers compensation.

Subcontractor's Insurance: Each Subcontractor engaged by the Contractor to perform any work under the Contract shall obtain all insurance required of the Contractor in the same amounts and subject to the same provisions specified above for the Contractor, including the Additional Insured requirement. Certificates of Insurance shall be submitted to the Contractor and the Town and approved by the Town, before commencing any work.

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.

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.

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.

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 Connecticut Department of Labor (CT-DOL) rules and regulations. More information may be obtained from: www.ctdol.state.ct.us

The Davis-Bacon and Related Acts, shall apply to contractors and subcontractors performing on federally funded or assisted contracts in excess of \$2,000 for the construction, alteration, or repair (including painting and decorating) of public buildings or public works. More information may be obtained from: <https://www.dol.gov/whd/govcontracts/dbra.htm>

NOTE: The Town shall apply the most current wage decision applicable at the time of contract award.

Bid #2020-30R – Supply & Install Door/Window Security Panels – Fairfield Public Schools

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

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.

NON- WAIVER CLAUSE

The failure by the Town to require performance of any provision of this bid shall not affect the Town's right to require performance at any time thereafter, nor shall a waiver of any breach or default of a contract award constitute a waiver of any subsequent breach or default or a waiver of the provision itself.

ATTORNEY FEES

In the event of litigation relating to the subject matter of this bid document or any resulting contract award, the non-prevailing party shall reimburse the prevailing party for all reasonable attorney fees and costs resulting therefrom.

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 06-6001998.

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.

CHECKLIST

The following must be submitted with proposal:

- Cover page, completed and signed.
- Addenda acknowledged on Bid Form. *(if applicable)*
- List of references where projects performed of comparable size and scope within the past three years.
- Complete itemized list of schedule of values.
- List of all sub-contractors identifying each trade, hourly rates, and Tax ID number.
- Bid Bond.
- Schedule for each individual school from start of award of contract for each base bid package.
- Any and all exceptions itemized and attached to Bid Form.

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 #.

INSTRUCTION TO BIDDERS

1. **THE WORK**

Supply and installation of plastic glazing/window and door security panels and associated components at various public schools in Fairfield. Panels are on interior glazing.

A. Prospective bidders may bid on one or all of the options as outlined in this document. It is the intent of the Board of Education to award one of the options. Said award will be based on the most cost-effective proposal in conjunction with other considerations.

B. Note that Bidder's must submit, with his bid, descriptive literature and specifications pertaining to the new Relocatable classrooms which are being proposed.

2. **PRICES**

A. 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.

B. The price(s) and amount of the bid will have been arrived at independently and without consultation, communication or agreement with any other contractor, bidder or potential bidder

3. **PAYMENT PROCEDURES**

A. 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.

4. **THE CONTRACTOR**

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

5. **EXCEPTION TO SPECIFICATIONS**

A. 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. 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.

6. **UNLESS OTHERWISE NOTED**

A. 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.

7. **OBLIGATION OF CONTRACTOR**

- A. 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 Board of Education and in accordance with the specifications and drawings herein mentioned at the prices herein agreed upon.

8. **METHOD OF DOING WORK**

- A. 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.
- B. 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.
- C. 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 Mr. Sal Morabito, Fairfield Public Schools.
- D. 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.

9. **COMMENCEMENT, COMPLETION & SCHEDULE**

- A. The Contractor to whom this contract shall be awarded shall commence work on the premises as soon as possible. Work shall continue to progress on the project every normal working day after commencement. The Contractor shall submit start and completion dates as part of the bid submitted. Time is of the essence.
- B. The contractor will have access to the building sites as follows:
When school is in session, work can be done from 4:00 pm. to 11:00 pm, Monday-Friday. On weekdays when school is not in session, work can be done 7:00 am – 3:30 pm. At the contractor's option they may have access to the building on holidays, Saturdays & Sundays if the CONTRACTOR PAYS THE COST (including overtime cost) of the custodial services for this time. The Contractor shall submit start and completion dates as part of the bid submitted. Time is of the essence.

10. **EXAMINATION OF DOCUMENTS AND SITE OF WORK**

- A. 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 a conclusive evidence that the bidder has made such examination.
- B. 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.
- C. 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 Board of Education and to begin work promptly when ordered.
- D. The Board of Education, 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.
- E. 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.
- F. 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.
- G. 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 Board of Education's property and goods and interests.

- H. The award of any contract resulting from the bid will be contingent on the acceptance and approval by State and local authorities of the final drawings to be submitted by the successful bidder.
- I. The Contractor is solely responsible for determining the site, dimensions and shape of the security panels after award of contract.

11. **EXECUTION OF AGREEMENT**

- A. The form of Agreement that the successful bidder will be required to execute will be decided by the Owner.
- B. 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.
- C. 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.
- D. 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.

12. **INTERPRETATION OF CONTRACT DOCUMENTS PRIOR TO BIDDING**

- A. 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 not later than seven days before bids will be opened. The person submitting the request shall be responsible for its prompt delivery.
- B. Interpretation of correction of proposed Contract Documents will be made only by Addendum and will be mailed or delivered to each general contract bidder of record. The Owner will not be responsible for any other explanations or interpretations of the proposed Contract Documents.

13. **LIABILITY OF CONTRACTOR**

- A. 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.
- B. 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.
- C. 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.

14. **ASSIGNMENTS**

- A. 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.
- B. The Contractor may not sublet a total of work in excess of 25% of the original total contract value.

15. **EXTRA WORK**

- A. 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 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.

- B. 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.

16. **RIGHT OF OWNER TO TERMINATE CONTRACT**

- A. 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, ensure 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.
- B. 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.

17. **ESTIMATES AND PAYMENTS**

- A. The Contractor will obtain an approval in writing from the Manager of Facilities at the completion of the project. Said approval to be submitted to the Town of Fairfield Fiscal Officer with invoice
- B. The acceptance by the Contractor of the payment made as aforesaid shall operate as and shall be a release to the Owner, and every agent thereof, from all claims and liability to the Contractor for anything done or furnished for, or relating to, the work or for any act or neglect of the Owner or of any person relating to or affecting the work.
- C. All requisitions for payment must be submitted on AIA Forms G702 & G703 with breakdown per Schedule of Values. No deposits will be given prior to any products being purchased and received.

18. **PRE-CONSTRUCTION MEETING**

Prior to the commencement of any work the contractor must attend the pre-construction meeting at a date and time set that is convenient to all parties. The contractor must present a construction schedule at this meeting.

19. **CHANGE ORDERS**

The maximum amount of general conditions, overhead and profit that will be permitted on any change order is a total of 15% including sub-contractor general conditions, overhead and profit

PROJECT MANUAL FOR
WINDOW SECURITY PANELS
at
FAIRFIELD PUBLIC SCHOOLS
FAIRFIELD, CONNECTICUT

OWNER
Town of Fairfield
725 Old Post Road
Fairfield, Connecticut 06824

TOWN of FAIRFIELD BID #2020-30

September 16, 2019

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Bid Form

DIVISION 1 - GENERAL REQUIREMENTS

	Prevailing Wages
01085	Applicable Standards
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01500	Temporary Facilities
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01800	Project Closeout

DIVISION 7 – THERMAL & MOISTURE PROTECTION

17900	Sealants
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DIVISION 8 – DOORS & WINDOWS

08800	Plastic Glazing
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LIST of DRAWINGS

Drawings titled Window Security Panels at Fairfield Public Schools, Fairfield, CT dated September 11, 2019.

Drawing

A-1.0 Door Panel Details

BID FORM for WINDOW SECURITY PANELS at

Fairfield Public Schools
Fairfield, CT

TOWN OF FAIRFIELD BID #2020-30

September 16, 2019

PROPOSAL TO: Town of Fairfield Purchasing Department
First Floor, Independence Hall
Old Post Road, Fairfield, CT

I, _____ have received the following Contract Documents,

- A. Invitation to Bid
- B. Instructions to Bidders
- C. Bid Form
- D. Drawing dated September 11, 2019
- E. Project Manual including specifications dated September 16, 2019
- F. Addenda Numbers

and have included their provisions in my Proposal.

I will supply all labor, materials, equipment, taxes, permits, etc in accordance with all of the contract documents and as required to construct this Project for a fixed price as follows:

Furnish and install plastic glazing and associated components for a lump sum as follows:

Base Bid 'A': Fairfield Warde & Fairfield Ludlowe High Schools:

_____ Dollars (\$_____)

Base Bid 'B': Roger Ludlowe Middle School, Riverfield & Holland Hill Elementary Schools:

_____ Dollars (\$_____)

Base Bid 'C': Tomlinson & Fairfield Woods Middle Schools & Osborn Hill Elementary School:

_____ Dollars (\$ _____)

Base Bid 'D': Mill Hill, Jennings, Stratfield, North Stratfield, McKinley, Roger Sherman & Timothy Dwight Elementary Schools:

_____ Dollars (\$ _____)

Base Bid if all schools are awarded as one contract:

_____ Dollars (\$ _____)

Alternate Prices:

Deduct all work at Holland Hill Elementary School:

Deduct _____ Dollars (\$ _____)

Deduct all work at Mill Hill Elementary School:

Deduct _____ Dollars (\$ _____)

Unit Prices:

The following unit prices will be used to add or deduct from the Base Bid quantities listed on the drawings. Contractor will be responsible for field verification of sizes and quantities after award of contract.

To supply and install ¼" thick security panels as an add or deduct amount from the quantities on the drawing:

_____ Dollars per SF (\$ _____ /sf)

Schedule:

On a separate document, submit a schedule for each individual school. Schedule is to start on award of contract for each base bid package.

CURRENT PREVAILING WAGE RATES

Complying with Section 31-53 C.G.S.

ANNUAL ADJUSTMENT OF WAGE RATES

Will be as Required

Per Section 31-55a C.G.S.

Project: Window Security Panels Bid # 2020-30

**Minimum Rates and Classifications
for Building Construction**

ID# : B26606

**Connecticut Department of Labor
Wage and Workplace Standards Division**

By virtue of the authority vested in the Labor Commissioner under provisions of Section 31-53 of the General Statutes of Connecticut, as amended, the following are declared to be the prevailing rates and welfare payments and will apply only where the contract is advertised for bid within 20 days of the date on which the rates are established. Any contractor or subcontractor not obligated by agreement to pay to the welfare and pension fund shall pay this amount to each employee as part of his/her hourly wages.

Project Number: 26606 Project Town: Fairfield
State# FAP#:

Project: Window Security Panels Bid # 2020-30

CLASSIFICATION

Hourly Rate

Benefits

1a) Asbestos Worker/Insulator (Includes application of insulating materials, protective coverings, coatings, & finishes to all types of mechanical systems; application of firestopping material for wall openings & penetrations in walls, floors, ceilings) 38.25 27.96

1b) Asbestos/Toxic Waste Removal Laborers: Asbestos removal and encapsulation (except its removal from mechanical systems which are not to be scrapped), toxic waste removers, blasters. **See Laborers Group 7**

1c) Asbestos Worker/Heat and Frost Insulator 40.21 30.99

As of: Wednesday, October 09, 2019

Project: Window Security Panels Bid # 2020-30

2) Boilermaker	38.34	26.01
3a) Bricklayer, Cement Mason, Concrete Finisher (including caulking), Stone Masons	34.72	32.55 + a
3b) Tile Setter	34.90	25.87
3c) Terrazzo Mechanics and Marble Setters	31.69	22.35
3d) Tile, Marble & Terrazzo Finishers	26.70	21.75
3e) Plasterer	33.48	32.06

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-----LABORERS-----

4) Group 1: Laborers (common or general), acetylene burners, concrete specialists, wrecking laborers, fire watchers.	30.75	20.84
4a) Group 2: Mortar mixers, plaster tender, power buggy operators, powdermen, fireproofers/mixer/nozzleman (Person running mixer and spraying fireproof only).	31.00	20.84
4b) Group 3: Jackhammer operators/pavement breaker, mason tender (brick), mason tender (cement/concrete), forklift operators and forklift operators (masonry).	31.25	20.84
4c) **Group 4: Pipelayers (Installation of water, storm drainage or sewage lines outside of the building line with P6, P7 license) (the pipelayer rate shall apply only to one or two employees of the total crew who primary task is to actually perform the mating of pipe sections) P6 and P7 rate is \$26.80.	31.75	20.84
4d) Group 5: Air track operator, sand blaster and hydraulic drills.	31.50	20.84

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Project: Window Security Panels Bid # 2020-30

4e) Group 6: Blasters, nuclear and toxic waste removal.	33.75	20.84
4f) Group 7: Asbestos/lead removal and encapsulation (except it's removal from mechanical systems which are not to be scrapped).	31.75	20.84
4g) Group 8: Bottom men on open air caisson, cylindrical work and boring crew.	29.03	20.84
4h) Group 9: Top men on open air caisson, cylindrical work and boring crew.	28.49	20.84
4i) Group 10: Traffic Control Signalman	18.00	20.84
5) Carpenter, Acoustical Ceiling Installation, Soft Floor/Vinyl Floor/Carpet Laying, Metal Stud Installation, Form Work and Scaffold Building, Drywall Hanging, Modular-Furniture Systems Installers, Lathers, Piledrivers, Resilient Floor Layers.	33.53	25.66

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5a) Millwrights	34.04	26.09
6) Electrical Worker (including low voltage wiring) (Trade License required: E1,2 L-5,6 C-5,6 T-1,2 L-1,2 V-1,2,7,8,9)	39.62	27.25+3% of gross wage
7a) Elevator Mechanic (Trade License required: R-1,2,5,6)	53.37	33.705+a+b
-----LINE CONSTRUCTION-----		
Groundman	26.50	6.5% + 9.00
Linemen/Cable Splicer	48.19	6.5% + 22.00

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8) Glazier (Trade License required: FG-1,2)	38.18	21.80 + a
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9) Ironworker, Ornamental, Reinforcing, Structural, and Precast Concrete Erection	36.67	35.77
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----OPERATORS----

Group 1: Crane handling or erecting structural steel or stone, hoisting engineer 2 drums or over, front end loader (7 cubic yards or over), work boat 26 ft. and over and Tunnel Boring Machines. (Trade License Required)	40.97	24.80 + a
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Group 2: Cranes (100 ton rate capacity and over); Excavator over 2 cubic yards; Piledriver (\$3.00 premium when operator controls hammer); Bauer Drill/Caisson. (Trade License Required)	40.64	24.80 + a
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Group 3: Excavator; Backhoe/Excavator under 2 cubic yards; Cranes (under 100 ton rated capacity), Grader/Blade; Master Mechanic; Hoisting Engineer (all types of equipment where a drum and cable are used to hoist or drag material regardless of motive power of operation), Rubber Tire Excavator (Drott-1085 or similar); Grader Operator; Bulldozer Fine Grade. (slopes, shaping, laser or GPS, etc.). (Trade License Required)	39.88	24.80 + a
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Group 4: Trenching Machines; Lighter Derrick; Concrete Finishing Machine; CMI Machine or Similar; Koehring Loader (Skooper).	39.48	24.80 + a
Group 5: Specialty Railroad Equipment; Asphalt Paver; Asphalt Reclaiming Machine; Line Grinder; Concrete Pumps; Drills with Self Contained Power Units; Boring Machine; Post Hole Digger; Auger; Pounder; Well Digger; Milling Machine (over 24" Mandrell)	38.87	24.80 + a
Group 5 continued: Side Boom; Combination Hoe and Loader; Directional Driller; Pile Testing Machine.	38.87	24.80 + a
Group 6: Front End Loader (3 up to 7 cubic yards); Bulldozer (rough grade dozer).	38.55	24.80 + a
Group 7: Asphalt roller, concrete saws and cutters (ride on types), vermeer concrete cutter, Stump Grinder; Scraper; Snooper; Skidder; Milling Machine (24" and under Mandrell).	38.20	24.80 + a
Group 8: Mechanic, grease truck operator, hydroblaster; barrier mover; power stone spreader; welding; work boat under 26 ft.; transfer machine.	37.79	24.80 + a

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Group 9: Front end loader (under 3 cubic yards), skid steer loader regardless of attachments, (Bobcat or Similar): forklift, power chipper; landscape equipment (including Hydroseeder).	37.34	24.80 + a
Group 10: Vibratory hammer; ice machine; diesel and air, hammer, etc.	35.24	24.80 + a
Group 11: Conveyor, earth roller, power pavement breaker (whiphammer), robot demolition equipment.	35.24	24.80 + a
Group 12: Wellpoint operator.	35.18	24.80 + a
Group 13: Compressor battery operator.	34.58	24.80 + a
Group 14: Elevator operator; tow motor operator (solid tire no rough terrain).	33.41	24.80 + a

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Group 15: Generator Operator; Compressor Operator; Pump Operator; Welding Machine Operator; Heater Operator.	32.99	24.80 + a
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Group 16: Maintenance Engineer/Oiler.	32.32	24.80 + a
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Group 17: Portable asphalt plant operator; portable crusher plant operator; portable concrete plant operator.	36.76	24.80 + a
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Group 18: Power safety boat; vacuum truck; zim mixer; sweeper; (Minimum for any job requiring a CDL license).	34.26	24.80 + a
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-----PAINTERS (Including Drywall Finishing)-----

10a) Brush and Roller	34.62	21.80
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10b) Taping Only/Drywall Finishing	35.37	21.80
10c) Paperhanger and Red Label	35.12	21.80
10e) Blast and Spray	37.62	21.80
11) Plumber (excluding HVAC pipe installation) (Trade License required: P-1,2,6,7,8,9 J-1,2,3,4 SP-1,2)	43.62	32.06
12) Well Digger, Pile Testing Machine	37.26	24.05 + a
Rofer: Cole Tar Pitch	41.50	17.00 + a

As of: Wednesday, October 09, 2019

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Rofer: Slate, Tile, Composition, Shingles, Singly Ply and Damp/Waterproofing	40.00	17.00 + a
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15) Sheetmetal Worker (Trade License required for HVAC and Ductwork: SM-1,SM-2,SM-3,SM-4,SM-5,SM-6)	44.74	42.48
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16) Pipefitter (Including HVAC work) License required: S-1,2,3,4,5,6,7,8 B-1,2,3,4 D-1,2,3,4, G-1, G-2, G-8 & G-9)	(Trade	43.62	32.06
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-----TRUCK DRIVERS-----

17a) 2 Axle	29.51	24.52 + a
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17b) 3 Axle, 2 Axle Ready Mix	29.62	24.52 + a
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Project: Window Security Panels Bid # 2020-30

17c) 3 Axle Ready Mix	29.67	24.52 + a
17d) 4 Axle, Heavy Duty Trailer up to 40 tons	29.72	24.52 + a
17e) 4 Axle Ready Mix	29.77	24.52 + a
17f) Heavy Duty Trailer (40 Tons and Over)	29.98	24.52 + a
17g) Specialized Earth Moving Equipment (Other Than Conventional Type on-the-Road Trucks and Semi-Trailers, Including Euclids)	29.77	24.52 + a
18) Sprinkler Fitter (Trade License required: F-1,2,3,4)	45.57	24.33 + a

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19) Theatrical Stage Journeyman

25.76

7.34

Project: Window Security Panels Bid # 2020-30

Welders: Rate for craft to which welding is incidental.

**Note: Hazardous waste removal work receives additional \$1.25 per hour for truck drivers.*

***Note: Hazardous waste premium \$3.00 per hour over classified rate*

ALL Cranes: When crane operator is operating equipment that requires a fully licensed crane operator to operate he receives an extra \$4.00 premium in addition to the hourly wage rate and benefit contributions:

1) Crane handling or erecting structural steel or stone; hoisting engineer (2 drums or over)

2) Cranes (100 ton rate capacity and over) Bauer Drill/Caisson

3) Cranes (under 100 ton rated capacity)

Crane with 150 ft. boom (including jib) - \$1.50 extra

Crane with 200 ft. boom (including jib) - \$2.50 extra

Crane with 250 ft. boom (including jib) - \$5.00 extra

Crane with 300 ft. boom (including jib) - \$7.00 extra

Crane with 400 ft. boom (including jib) - \$10.00 extra

All classifications that indicate a percentage of the fringe benefits must be calculated at the percentage rate times the "base hourly rate".

Apprentices duly registered under the Commissioner of Labor's regulations on "Work Training Standards for Apprenticeship and Training Programs" Section 31-51-d-1 to 12, are allowed to be paid the appropriate percentage of the prevailing journeymen hourly base and the full fringe benefit rate, providing the work site ratio shall not be less than one full-time journeyman instructing and supervising the work of each apprentice in a specific trade.

The Prevailing wage rates applicable to this project are subject to annual adjustments each July 1st for the duration of the project.

Each contractor shall pay the annual adjusted prevailing wage rate that is in effect each July 1st, as posted by the Department of Labor.

It is the contractor's responsibility to obtain the annual adjusted prevailing wage rate increases directly from the Department of Labor's website.

The annual adjustments will be posted on the Department of Labor's Web page: www.ct.gov/dol. For those without internet access, please contact the division listed below.

The Department of Labor will continue to issue the initial prevailing wage rate schedule to the Contracting Agency for the project.

All subsequent annual adjustments will be posted on our Web Site for contractor access.

Contracting Agencies are under no obligation pursuant to State labor law to pay any increase due to the annual adjustment provision.

As of: Wednesday, October 09, 2019

Project: Window Security Panels Bid # 2020-30

Effective October 1, 2005 - Public Act 05-50: any person performing the work of any mechanic, laborer, or worker shall be paid prevailing wage

All Person who perform work ON SITE must be paid prevailing wage for the appropriate mechanic, laborer, or worker classification.

All certified payrolls must list the hours worked and wages paid to All Persons who perform work ON SITE regardless of their ownership i.e.: (Owners, Corporate Officers, LLC Members, Independent Contractors, et. al)

Reporting and payment of wages is required regardless of any contractual relationship alleged to exist between the contractor and such person.

~~Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clause (29 CFR 5.5 (a) (1) (ii)).

Please direct any questions which you may have pertaining to classification of work and payment of prevailing wages to the Wage and Workplace Standards Division, telephone (860)263-6790.

As of: Wednesday, October 09, 2019



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PREVAILING WAGE BID PACKAGE

- [Prevailing Wage Law Poster](#) (PDF, 97KB)
- [Section 31-53b](#): Construction safety and Health Course. Proof of completion required for employees on public building projects. (PDF, 10KB)
 - [Informational Bulletin - The 10-Hour OSHA Construction Safety and Health Course](#) (PDF, 20KB)
- [Notice For All Mason Contractors](#) (PDF, 5KB)
- [CT General Statute 31-55a](#)
- [Contracting Agency Certification Form](#) (PDF, 89KB)
- [Contractor's Wage Certification Form](#) (PDF, 11KB)
- [Payroll Certification - Public Works Projects](#)
- [Information Bulletin - Occupational Classifications](#)
- [Footnotes](#) (Rev. 07/19) (PDF)

200 Folly Brook Boulevard, Wethersfield, CT 06109 / Phone: 860-263-6000

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Opportunity * Guidance * Support



THIS IS A PUBLIC WORKS PROJECT

Covered by the

PREVAILING WAGE LAW

CT General Statutes Section 31-53

**If you have QUESTIONS regarding your wages
CALL (860) 263-6790**

Section 31-55 of the CT State Statutes requires every contractor or subcontractor performing work for the state to post in a prominent place the prevailing wages as determined by the Labor Commissioner.

Sec. 31-53b. Construction safety and health course. New miner training program. Proof of completion required for mechanics, laborers and workers on public works projects. Enforcement. Regulations. Exceptions. (a) Each contract for a public works project entered into on or after July 1, 2009, by the state or any of its agents, or by any political subdivision of the state or any of its agents, described in subsection (g) of section 31-53, shall contain a provision requiring that each contractor furnish proof with the weekly certified payroll form for the first week each employee begins work on such project that any person performing the work of a mechanic, laborer or worker pursuant to the classifications of labor under section 31-53 on such public works project, pursuant to such contract, has completed a course of at least ten hours in duration in construction safety and health approved by the federal Occupational Safety and Health Administration or, has completed a new miner training program approved by the Federal Mine Safety and Health Administration in accordance with 30 CFR 48 or, in the case of telecommunications employees, has completed at least ten hours of training in accordance with 29 CFR 1910.268.

(b) Any person required to complete a course or program under subsection (a) of this section who has not completed the course or program shall be subject to removal from the worksite if the person does not provide documentation of having completed such course or program by the fifteenth day after the date the person is found to be in noncompliance. The Labor Commissioner or said commissioner's designee shall enforce this section.

(c) Not later than January 1, 2009, the Labor Commissioner shall adopt regulations, in accordance with the provisions of chapter 54, to implement the provisions of subsections (a) and (b) of this section. Such regulations shall require that the ten-hour construction safety and health courses required under subsection (a) of this section be conducted in accordance with federal Occupational Safety and Health Administration Training Institute standards, or in accordance with Federal Mine Safety and Health Administration Standards or in accordance with 29 CFR 1910.268, as appropriate. The Labor Commissioner shall accept as sufficient proof of compliance with the provisions of subsection (a) or (b) of this section a student course completion card issued by the federal Occupational Safety and Health Administration Training Institute, or such other proof of compliance said commissioner deems appropriate, dated no earlier than five years before the commencement date of such public works project.

(d) This section shall not apply to employees of public service companies, as defined in section 16-1, or drivers of commercial motor vehicles driving the vehicle on the public works project and delivering or picking up cargo from public works projects provided they perform no labor relating to the project other than the loading and unloading of their cargo.

(P.A. 06-175, S. 1; P.A. 08-83, S. 1.)

History: P.A. 08-83 amended Subsec. (a) by making provisions applicable to public works project contracts entered into on or after July 1, 2009, replacing provision re total cost of work with reference to Sec. 31-53(g), requiring proof in certified payroll form that new mechanic, laborer or worker has completed a 10-hour or more construction safety course and adding provision re new miner training program, amended Subsec. (b) by substituting "person" for "employee" and adding "or program", amended Subsec. (c) by adding "or in accordance with Federal Mine Safety and Health Administration Standards" and setting new deadline of January 1, 2009, deleted former Subsec. (d) re "public building", added new Subsec. (d) re exemptions for public service company employees and delivery drivers who perform no labor other than delivery and made conforming and technical changes, effective January 1, 2009.

Informational Bulletin

THE 10-HOUR OSHA CONSTRUCTION SAFETY AND HEALTH COURSE

(applicable to public building contracts entered into *on or after July 1, 2007*, where the total cost of all work to be performed is at least \$100,000)

- (1) This requirement was created by Public Act No. 06-175, which is codified in Section 31-53b of the Connecticut General Statutes (pertaining to the prevailing wage statutes);
- (2) The course is required for public building construction contracts (projects funded in whole or in part by the state or any political subdivision of the state) entered into on or after July 1, 2007;
- (3) It is required of private employees (not state or municipal employees) and apprentices who perform manual labor for a general contractor or subcontractor on a public building project where the total cost of all work to be performed is at least \$100,000;
- (4) The ten-hour construction course pertains to the ten-hour Outreach Course conducted in accordance with federal OSHA Training Institute standards, and, for telecommunications workers, a ten-hour training course conducted in accordance with federal OSHA standard, 29 CFR 1910.268;
- (5) The internet website for the federal OSHA Training Institute is http://www.osha.gov/fso/ote/training/edcenters/fact_sheet.html;
- (6) The statutory language leaves it to the contractor and its employees to determine who pays for the cost of the ten-hour Outreach Course;
- (7) Within 30 days of receiving a contract award, a general contractor must furnish proof to the Labor Commissioner that all employees and apprentices performing manual labor on the project will have completed such a course;
- (8) Proof of completion may be demonstrated through either: (a) the presentation of a *bona fide* student course completion card issued by the federal OSHA Training Institute; *or* (2) the presentation of documentation provided to an employee by a trainer certified by the Institute pending the actual issuance of the completion card;
- (9) Any card with an issuance date more than 5 years prior to the commencement date of the construction project shall not constitute proof of compliance;

- (10) Each employer shall affix a copy of the construction safety course completion card to the certified payroll submitted to the contracting agency in accordance with Conn. Gen. Stat. § 31-53(f) on which such employee's name first appears;
- (11) Any employee found to be in non-compliance shall be subject to removal from the worksite if such employee does not provide satisfactory proof of course completion to the Labor Commissioner by the fifteenth day after the date the employee is determined to be in noncompliance;
- (12) Any such employee who is determined to be in noncompliance may continue to work on a public building construction project for a maximum of fourteen consecutive calendar days while bringing his or her status into compliance;
- (13) The Labor Commissioner may make complaint to the prosecuting authorities regarding any employer or agent of the employer, or officer or agent of the corporation who files a false certified payroll with respect to the status of an employee who is performing manual labor on a public building construction project;
- (14) The statute provides the minimum standards required for the completion of a safety course by manual laborers on public construction contracts; any contractor can exceed these minimum requirements; and
- (15) Regulations clarifying the statute are currently in the regulatory process, and shall be posted on the CTDOL website as soon as they are adopted in final form.
- (16) Any questions regarding this statute may be directed to the Wage and Workplace Standards Division of the Connecticut Labor Department via the internet website of <http://www.ctdol.state.ct.us/wgwkstnd/wgemenu.htm>; or by telephone at (860)263-6790.

THE ABOVE INFORMATION IS PROVIDED EXCLUSIVELY AS AN EDUCATIONAL RESOURCE, AND IS NOT INTENDED AS A SUBSTITUTE FOR LEGAL INTERPRETATIONS WHICH MAY ULTIMATELY ARISE CONCERNING THE CONSTRUCTION OF THE STATUTE OR THE REGULATIONS.

November 29, 2006

Notice
To All Mason Contractors and Interested Parties
Regarding Construction Pursuant to Section 31-53 of the
Connecticut General Statutes (Prevailing Wage)

The Connecticut Labor Department Wage and Workplace Standards Division is empowered to enforce the prevailing wage rates on projects covered by the above referenced statute.

Over the past few years the Division has withheld enforcement of the rate in effect for workers who operate a forklift on a prevailing wage rate project due to a potential jurisdictional dispute.

The rate listed in the schedules and in our Occupational Bulletin (see enclosed) has been as follows:

Forklift Operator:

- **Laborers (Group 4) Mason Tenders** - operates forklift solely to assist a mason to a maximum height of nine feet only.
- **Power Equipment Operator (Group 9)** - operates forklift to assist any trade and to assist a mason to a height over nine feet.

The U.S. Labor Department conducted a survey of rates in Connecticut but it has not been published and the rate in effect remains as outlined in the above Occupational Bulletin.

Since this is a classification matter and not one of jurisdiction, effective January 1, 2007 the Connecticut Labor Department will enforce the rate on each schedule in accordance with our statutory authority.

Your cooperation in filing appropriate and accurate certified payrolls is appreciated.

STATUTE 31-55a

- SPECIAL NOTICE -

To: All State and Political Subdivisions, Their Agents, and Contractors

Connecticut General Statute 31-55a - Annual adjustments to wage rates by contractors doing state work.

Each contractor that is awarded a contract on or after October 1, 2002, for (1) the construction of a state highway or bridge that falls under the provisions of section 31-54 of the general statutes, or (2) the construction, remodeling, refinishing, refurbishing, rehabilitation, alteration or repair of any public works project that falls under the provisions of section 31-53 of the general statutes shall contact the Labor Commissioner on or before July first of each year, for the duration of such contract, to ascertain the prevailing rate of wages on an hourly basis and the amount of payment or contributions paid or payable on behalf of each mechanic, laborer or worker employed upon the work contracted to be done, and shall make any necessary adjustments to such prevailing rate of wages and such payment or contributions paid or payable on behalf of each such employee, effective each July first.

- The prevailing wage rates applicable to any contract or subcontract awarded on or after October 1, 2002 are subject to annual adjustments each July 1st for the duration of any project which was originally advertised for bids on or after October 1, 2002.
- Each contractor affected by the above requirement shall pay the annual adjusted prevailing wage rate that is in effect each July 1st, as posted by the Department of Labor.
- It is the **contractor's** responsibility to obtain the annual adjusted prevailing wage rate increases directly from the Department of Labor's Web Site. The annual adjustments will be posted on the Department of Labor Web page: www.ctdol.state.ct.us. For those without internet access, please contact the division listed below.
- The Department of Labor will continue to issue the initial prevailing wage rate schedule to the Contracting Agency for the project. All subsequent annual adjustments will be posted on our Web Site for contractor access.


Any questions should be directed to the Contract Compliance Unit, Wage and Workplace Standards Division, Connecticut Department of Labor, 200 Folly Brook Blvd., Wethersfield, CT 06109 at (860)263-6790.

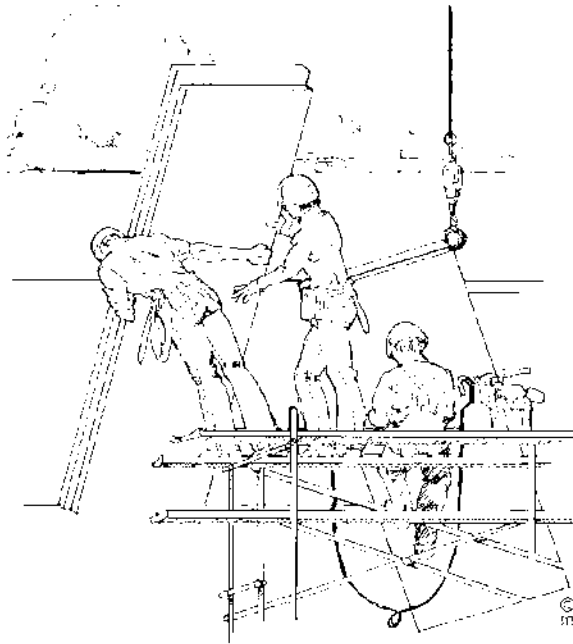
~NOTICE~

TO ALL CONTRACTING AGENCIES

Please be advised that Connecticut General Statutes Section 31-53, requires the contracting agency to certify to the Department of Labor, the total dollar amount of work to be done in connection with such public works project, regardless of whether such project consists of one or more contracts.

Please find the attached “Contracting Agency Certification Form” to be completed and returned to the Department of Labor, Wage and Workplace Standards Division, Public Contract Compliance Unit.

 Inquiries can be directed to (860)263-6543.



CONNECTICUT DEPARTMENT OF LABOR
WAGE AND WORKPLACE STANDARDS DIVISION
CONTRACT COMPLIANCE UNIT

CONTRACTING AGENCY CERTIFICATION FORM

I, _____, acting in my official capacity as _____,
authorized representative title

for _____, located at _____,
contracting agency address

do hereby certify that the total dollar amount of work to be done in connection with
_____, located at _____,
project name and number address

shall be \$_____, which includes all work, regardless of whether such project
consists of one or more contracts.

CONTRACTOR INFORMATION

Name: _____

Address: _____

Authorized Representative: _____

Approximate Starting Date: _____

Approximate Completion Date: _____

Signature

Date

Return To: Connecticut Department of Labor
Wage & Workplace Standards Division
Contract Compliance Unit
200 Folly Brook Blvd.
Wethersfield, CT 06109

Date Issued: _____

CONNECTICUT DEPARTMENT OF LABOR
WAGE AND WORKPLACE STANDARDS DIVISION

CONTRACTORS WAGE CERTIFICATION FORM
Construction Manager at Risk/General Contractor/Prime Contractor

I, _____ of _____
Officer, Owner, Authorized Rep. Company Name

do hereby certify that the _____
Company Name

Street

City

and all of its subcontractors will pay all workers on the

Project Name and Number

Street and City

the wages as listed in the schedule of prevailing rates required for such project (a copy of which is attached hereto).

Signed

Subscribed and sworn to before me this _____ day of _____, _____.

Notary Public

Return to:

Connecticut Department of Labor
Wage & Workplace Standards Division
200 Folly Brook Blvd.
Wethersfield, CT 06109

Rate Schedule Issued (Date): _____



CONNECTICUT DEPARTMENT OF LABOR

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[Unemployment Benefits On-Line](#) [Job Seekers](#) [Employers](#) [Labor Market Information](#) [Directions/Office Information](#)

CERTIFIED PAYROLL FORM WWS - CPI

Employee Complaint Forms

Employer Forms

Manuals and Publications

Prevailing Wages

Standard Wage Rates

Workplace Standards

Employment of Minors

FMLA

Joint Enforcement Commission For Worker Misclassification (JEC)

Stop Work Orders

Contact Us

In accordance with [Connecticut General Statutes, 31-53](#) Certified Payrolls with a statement of compliance shall be submitted monthly to the contracting agency.

Note: Once you have downloaded these forms and are ready to print them out, set the print function on your PC to the horizontal print orientation.

Note2: Please download both the Payroll Certification for Public Works Projects **and** the Certified Statement of Compliance for a complete package. The Certified Statement of Compliance appears on the same page as the Fringe Benefits Explanation page.

Announcement: The Certified Payroll Form WWS-CPI can now be completed on-line!

- [Certified Payroll Form WWS-CPI](#) (PDF, 727KB)
- [Sample Completed Form](#) (PDF, 101KB)

200 Folly Brook Boulevard, Wethersfield, CT 06109 / Phone: 860-263-6000

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***FRINGE BENEFITS EXPLANATION (P):**

Bona fide benefits paid to approved plans, funds or programs, except those required by Federal or State Law (unemployment tax, worker’s compensation, income taxes, etc.).

Please specify the type of benefits provided:

- 1) Medical or hospital care _____ 4) Disability _____
- 2) Pension or retirement _____ 5) Vacation, holiday _____
- 3) Life Insurance _____ 6) Other (please specify) _____

CERTIFIED STATEMENT OF COMPLIANCE

For the week ending date of _____,

I, _____ of _____, (hereafter known as Employer) in my capacity as _____ (title) do hereby certify and state:

Section A:

1. All persons employed on said project have been paid the full weekly wages earned by them during the week in accordance with Connecticut General Statutes, section 31-53, as amended. Further, I hereby certify and state the following:

- a) The records submitted are true and accurate;
- b) The rate of wages paid to each mechanic, laborer or workman and the amount of payment or contributions paid or payable on behalf of each such person to any employee welfare fund, as defined in Connecticut General Statutes, section 31-53 (h), are not less than the prevailing rate of wages and the amount of payment or contributions paid or payable on behalf of each such person to any employee welfare fund, as determined by the Labor Commissioner pursuant to subsection Connecticut General Statutes, section 31-53 (d), and said wages and benefits are not less than those which may also be required by contract;
- c) The Employer has complied with all of the provisions in Connecticut General Statutes, section 31-53 (and Section 31-54 if applicable for state highway construction);
- d) Each such person is covered by a worker’s compensation insurance policy for the duration of his employment which proof of coverage has been provided to the contracting agency;
- e) The Employer does not receive kickbacks, which means any money, fee, commission, credit, gift, gratuity, thing of value, or compensation of any kind which is provided directly or indirectly, to any prime contractor, prime contractor employee, subcontractor, or subcontractor employee for the purpose of improperly obtaining or rewarding favorable treatment in connection with a prime contract or in connection with a prime contractor in connection with a subcontractor relating to a prime contractor; and
- f) The Employer is aware that filing a certified payroll which he knows to be false is a class D felony for which the employer may be fined up to five thousand dollars, imprisoned for up to five years or both.

2. OSHA~The employer shall affix a copy of the construction safety course, program or training completion document to the certified payroll required to be submitted to the contracting agency for this project on which such persons name first appears.

 (Signature) (Title) Submitted on (Date)

[New] In accordance with Section 31-53b(a) of the C.G.S. each contractor shall provide a copy of the OSHA 10 Hour Construction Safety and Health Card for each employee, to be attached to the first certified payroll on the project.

PAYROLL CERTIFICATION FOR PUBLIC WORKS PROJECTS											Connecticut Department of Labor Wage and Workplace Standards Division 200 Folly Brook Blvd. Wethersfield, CT 06109								
In accordance with Connecticut General Statutes, 31-53 Certified Payrolls with a statement of compliance shall be submitted monthly to the contracting agency.											WEEKLY PAYROLL								
CONTRACTOR NAME AND ADDRESS: Landon Corporation, 15 Connecticut Avenue, Northford, CT 06472						SUBCONTRACTOR NAME & ADDRESS XYZ Corporation 2 Main Street Yantic, CT 06389					WORKER'S COMPENSATION INSURANCE CARRIER Travelers Insurance Company POLICY # #BAC8888928 EFFECTIVE DATE: 1/1/09 EXPIRATION DATE: 12/31/09								
PAYROLL NUMBER	Week-Ending Date	PROJECT NAME & ADDRESS								Total ST Hours	BASE HOURLY RATE	TYPE OF FRINGE BENEFITS Per Hour 1 through 6 (see back)	GROSS PAY FOR ALL WORK PERFORMED THIS WEEK	TOTAL DEDUCTIONS			GROSS PAY FOR THIS PREVAILING RATE JOB	CHECK # AND NET PAY	
		DAY AND DATE												FICA	FEDERAL	STATE			LIST OTHER
PERSON/WORKER, ADDRESS and SECTION	APPR RATE %	MALE/FEMALE AND RACE*	WORK CLASSIFICATION	S	M	T	W	TH	F	S	Total O/T Hours	TOTAL FRINGE BENEFIT PLAN CASH	FICA	WITH-HOLDING	WITH-HOLDING	LIST OTHER	RATE JOB	CHECK # AND NET PAY	
				Trade License Type & Number - OSHA 10 Certification Number								HOURS WORKED EACH DAY							
Robert Craft 81 Maple Street Willimantic, CT 06226		M/C	Electrical Lineman E-1 1234567 Owner OSHA 123456		8	8	8	8	8		S-TIME 40	\$ 30.75 Base Rate	1. \$ 5.80 2. \$ 3. \$ 2.01				P-xxxx	\$1,582.80	#123 \$ xxx.xx
Ronald Jones 212 Elm Street Norwich, CT 06360	65%	M/B	Electrical Apprentice OSHA 234567		8	8	8	8	8		S-TIME 40	\$ 19.99 Base Rate	1. \$ 2. \$ 3. \$ 4. \$ 5. \$ 6. \$	xx.xx	xxx.xx	xx.xx	G-xxx	\$1,464.80	#124 \$xxx.xx
Franklin T. Smith 234 Washington Rd. New London, CT 06320 SECTION B		M/H	Project Manager			8					S-TIME 8	\$ Base Rate	1. \$ 2. \$ 3. \$ 4. \$ 5. \$ 6. \$	xx.xx	xx.xx	xx.xx	M-xx.x	\$1,500.00	#125 xxx.xx
											S-TIME	\$ Base Rate	1. \$ 2. \$ 3. \$ 4. \$ 5. \$ 6. \$						
											O-TIME	\$ Cash Fringe	4. \$ 5. \$ 6. \$						

OSHA 10 ~ATTACH CARD TO 1ST CERTIFIED PAYROLL

***FRINGE BENEFITS EXPLANATION (P):**

Bona fide benefits paid to approved plans, funds or programs, except those required by Federal or State Law (unemployment tax, worker's compensation, income taxes, etc.).

Please specify the type of benefits provided:

- 1) Medical or hospital care Blue Cross 4) Disability _____
- 2) Pension or retirement _____ 5) Vacation, holiday _____
- 3) Life Insurance Utopia 6) Other (please specify) _____

CERTIFIED STATEMENT OF COMPLIANCE

For the week ending date of 9/26/09,

I, Robert Craft of XYZ Corporation, (hereafter known as

Employer) in my capacity as Owner (title) do hereby certify and state:

Section A:

1. All persons employed on said project have been paid the full weekly wages earned by them during the week in accordance with Connecticut General Statutes, section 31-53, as amended. Further, I hereby certify and state the following:

- a) The records submitted are true and accurate;
- b) The rate of wages paid to each mechanic, laborer or workman and the amount of payment or contributions paid or payable on behalf of each such employee to any employee welfare fund, as defined in Connecticut General Statutes, section 31-53 (h), are not less than the prevailing rate of wages and the amount of payment or contributions paid or payable on behalf of each such employee to any employee welfare fund, as determined by the Labor Commissioner pursuant to subsection Connecticut General Statutes, section 31-53 (d), and said wages and benefits are not less than those which may also be required by contract;
- c) The Employer has complied with all of the provisions in Connecticut General Statutes, section 31-53 (and Section 31-54 if applicable for state highway construction);
- d) Each such employee of the Employer is covered by a worker's compensation insurance policy for the duration of his employment which proof of coverage has been provided to the contracting agency;
- e) The Employer does not receive kickbacks, which means any money, fee, commission, credit, gift, gratuity, thing of value, or compensation of any kind which is provided directly or indirectly, to any prime contractor, prime contractor employee, subcontractor, or subcontractor employee for the purpose of improperly obtaining or rewarding favorable treatment in connection with a prime contract or in connection with a prime contractor in connection with a subcontractor relating to a prime contractor; and
- f) The Employer is aware that filing a certified payroll which he knows to be false is a class D felony for which the employer may be fined up to five thousand dollars, imprisoned for up to five years or both.

2. OSHA~The employer shall affix a copy of the construction safety course, program or training completion document to the certified payroll required to be submitted to the contracting agency for this project on which such employee's name first appears.

Robert Craft owner 10/2/09
 (Signature) (Title) Submitted on (Date)

Section B: Applies to CONNDOT Projects ONLY

That pursuant to CONNDOT contract requirements for reporting purposes only, all employees listed under Section B who performed work on this project are not covered under the prevailing wage requirements defined in Connecticut General Statutes Section 31-53.

Robert Craft owner 10/2/09
 (Signature) (Title) Submitted on (Date)

Note: CTDOL will assume all hours worked were performed under Section A unless clearly delineated as Section B WWS-CP1 as such. Should an employee perform work under both Section A and Section B, the hours worked and wages paid must be segregated for reporting purposes.

*****THIS IS A PUBLIC DOCUMENT***
DO NOT INCLUDE SOCIAL SECURITY NUMBERS**

Information Bulletin ***Occupational Classifications***

The Connecticut Department of Labor has the responsibility to properly determine "job classification" on prevailing wage projects covered under C.G.S. Section 31-53(d).

Note: This information is intended to provide a sample of some occupational classifications for guidance purposes only. It is not an all-inclusive list of each occupation's duties. This list is being provided only to highlight some areas where a contractor may be unclear regarding the proper classification. If unsure, the employer should seek guidelines for CTDOL.

Below are additional clarifications of specific job duties performed for certain classifications:

- **ASBESTOS WORKERS**

Applies all insulating materials, protective coverings, coatings and finishes to all types of mechanical systems.

- **ASBESTOS INSULATOR**

Handle, install apply, fabricate, distribute, prepare, alter, repair, dismantle, heat and frost insulation, including penetration and fire stopping work on all penetration fire stop systems.

- **BOILERMAKERS**

Erects hydro plants, incomplete vessels, steel stacks, storage tanks for water, fuel, etc. Builds incomplete boilers, repairs heat exchanges and steam generators.

- **BRICKLAYERS, CEMENT MASONS, CEMENT FINISHERS, MARBLE MASONS, PLASTERERS, STONE MASONS, PLASTERERS. STONE MASONS, TERRAZZO WORKERS, TILE SETTERS**

Lays building materials such as brick, structural tile and concrete cinder, glass, gypsum, terra cotta block. Cuts, tools and sets marble, sets stone, finishes concrete, applies decorative steel, aluminum and plastic tile, applies cements, sand, pigment and marble chips to floors, stairways, etc.

- **CARPENTERS, MILLWRIGHTS. PILEDRIVERMEN. LATHERS. RESILEINT FLOOR LAYERS, DOCK BUILDERS, DIKERS, DIVER TENDERS**

Constructs, erects, installs and repairs structures and fixtures of wood, plywood and wallboard. Installs, assembles, dismantles, moves industrial machinery. Drives piling into ground to provide foundations for structures such as buildings and bridges, retaining walls for earth embankments, such as cofferdams. Fastens wooden, metal or rockboard lath to walls, ceilings and partitions of buildings, acoustical tile layer, concrete form builder. Applies firestopping materials on fire resistive joint systems only. Installation of curtain/window walls only where attached to wood or metal studs. Installation of insulated material of all types whether blown, nailed or attached in other ways to walls, ceilings and floors of buildings. Assembly and installation of modular furniture/furniture systems. Free-standing furniture is not covered. This includes free standing: student chairs, study top desks, book box desks, computer furniture, dictionary stand, atlas stand, wood shelving, two-position information access station, file cabinets, storage cabinets, tables, etc.

- **LABORER, CLEANING**

- The clean up of any construction debris and the general (heavy/light) cleaning, including sweeping, wash down, mopping, wiping of the construction facility and its furniture, washing, polishing, and dusting.

- **DELIVERY PERSONNEL**

- If delivery of supplies/building materials is to one common point and stockpiled there, prevailing wages are not required. If the delivery personnel are involved in the distribution of the material to multiple locations within the construction site then they would have to be paid prevailing wages for the type of work performed: laborer, equipment operator, electrician, ironworker, plumber, etc.

- An example of this would be where delivery of drywall is made to a building and the delivery personnel distribute the drywall from one "stockpile" location to further sub-locations on each floor. Distribution of material around a construction site is the job of a laborer or tradesman, and not a delivery personnel.

- **ELECTRICIANS**

Install, erect, maintenance, alteration or repair of any wire, cable, conduit, etc., which generates, transforms, transmits or uses electrical energy for light, heat, power or other purposes, including the Installation or maintenance of telecommunication, LAN wiring or computer equipment, and low voltage wiring. ****License required per Connecticut General Statutes: E-1,2 L-5,6 C-5,6 T-1,2 L-1,2 V-1,2,7,8,9.***

- **ELEVATOR CONSTRUCTORS**

Install, erect, maintenance and repair of all types of elevators, escalators, dumb waiters and moving walks. **License required by Connecticut General Statutes: R-1,2,5,6.*

- **FORK LIFT OPERATOR**

Laborers Group 4) Mason Tenders - operates forklift solely to assist a mason to a maximum height of nine (9) feet only.

Power Equipment Operator Group 9 - operates forklift to assist any trade, and to assist a mason to a height over nine (9) feet.

- **GLAZIERS**

Glazing wood and metal sash, doors, partitions, and 2 story aluminum storefronts. Installs glass windows, skylights, store fronts and display cases or surfaces such as building fronts, interior walls, ceilings and table tops and metal store fronts. Installation of aluminum window walls and curtain walls is the "joint" work of glaziers and ironworkers, which require equal composite workforce.

- **IRONWORKERS**

Erection, installation and placement of structural steel, precast concrete, miscellaneous iron, ornamental iron, metal curtain wall, rigging and reinforcing steel. Handling, sorting, and installation of reinforcing steel (rebar). Metal bridge rail (traffic), metal bridge handrail, and decorative security fence installation. Installation of aluminum window walls and curtain walls is the "joint" work of glaziers and ironworkers which require equal composite workforce.

- **INSULATOR**

- Installing fire stopping systems/materials for "Penetration Firestop Systems": transit to cables, electrical conduits, insulated pipes, sprinkler pipe penetrations, ductwork behind radiation, electrical cable trays, fire rated pipe penetrations, natural polypropylene, HVAC ducts, plumbing bare metal, telephone and communication wires, and boiler room ceilings.

- **LABORERS**

Acetylene burners, asphalt rakers, chain saw operators, concrete and power buggy operator, concrete saw operator, fence and guard rail erector (except metal bridge rail (traffic), decorative security fence (non-metal).

installation.), hand operated concrete vibrator operator, mason tenders, pipelayers (installation of storm drainage or sewage lines on the street only), pneumatic drill operator, pneumatic gas and electric drill operator, powermen and wagon drill operator, air track operator, block paver, curb setters, blasters, concrete spreaders.

- **PAINTERS**

Maintenance, preparation, cleaning, blasting (water and sand, etc.), painting or application of any protective coatings of every description on all bridges and appurtenances of highways, roadways, and railroads. Painting, decorating, hardwood finishing, paper hanging, sign writing, scenic art work and drywall hhg for any and all types of building and residential work.

- **LEAD PAINT REMOVAL**

- Painter's Rate

1. Removal of lead paint from bridges.
2. Removal of lead paint as preparation of any surface to be repainted.
3. Where removal is on a Demolition project prior to reconstruction.

- Laborer's Rate

1. Removal of lead paint from any surface NOT to be repainted.
2. Where removal is on a *TOTAL* Demolition project only.

- **PLUMBERS AND PIPEFITTERS**

Installation, repair, replacement, alteration or maintenance of all plumbing, heating, cooling and piping. ****License required per Connecticut General Statutes: P-1,2,6,7,8,9 J-1,2,3,4 SP-1,2 S-1,2,3,4,5,6,7,8 B-1,2,3,4 D-1,2,3,4.***

- **POWER EQUIPMENT OPERATORS**

Operates several types of power construction equipment such as compressors, pumps, hoists, derricks, cranes, shovels, tractors, scrapers or motor graders, etc. Repairs and maintains equipment. ****License required, crane operators only, per Connecticut General Statutes.***

- **ROOFERS**

Covers roofs with composition shingles or sheets, wood shingles, slate or asphalt and gravel to waterproof roofs, including preparation of surface. (demolition or removal of any type of roofing and or clean-up of any and all areas where a roof is to be relaid.)

- **SHEETMETAL WORKERS**

Fabricate, assembles, installs and repairs sheetmetal products and equipment in such areas as ventilation, air-conditioning, warm air heating, restaurant equipment, architectural sheet metal work, sheetmetal roofing, and aluminum gutters. Fabrication, handling, assembling, erecting, altering, repairing, etc. of coated metal material panels and composite metal material panels when used on building exteriors and interiors as soffits, fascia, louvers, partitions, canopies, cornice, column covers, awnings, beam covers, cladding, sun shades, lighting troughs, spires, ornamental roofing, metal ceilings, mansards, copings, ornamental and ventilation hoods, vertical and horizontal siding panels, trim, etc. The sheet metal classification also applies to the vast variety of coated metal material panels and composite metal material panels that have evolved over the years as an alternative to conventional ferrous and non-ferrous metals like steel, iron, tin, copper, brass, bronze, aluminum, etc. Fabrication, handling, assembling, erecting, altering, repairing, etc. of architectural metal roof, standing seam roof, composite metal roof, metal and composite bathroom/toilet partitions, aluminum gutters, metal and composite lockers and shelving, kitchen equipment, and walk-in coolers. To include testing and air –balancing ancillary to installation and construction.

- **SPRINKLER FITTERS**

Installation, alteration, maintenance and repair of fire protection sprinkler systems.

****License required per Connecticut General Statutes: F-1,2,3,4.***

- **TILE MARBLE AND TERRAZZO FINISHERS**

Assists and tends the tile setter, marble mason and terrazzo worker in the performance of their duties.

- **TRUCK DRIVERS**

~How to pay truck drivers delivering asphalt is under REVISION~

Truck Drivers are requires to be paid prevailing wage for time spent "working" directly on the site. These drivers remain covered by the prevailing wage for any time spent transporting between the actual construction location and facilities (such as fabrication, plants, mobile factories, batch plant, borrow pits, job headquarters, tool yards, etc.) dedicated exclusively, or nearly so, to performance of the contract or project, which are so located in proximity to the actual construction location that it is reasonable to include them. ****License required, drivers only, per Connecticut General Statutes.***

For example:

- Material men and deliverymen are not covered under prevailing wage as long as they are not directly involved in the construction process. If, they unload the material, they would then be covered by prevailing wage for the classification they are performing work in: laborer, equipment operator, etc.
- Hauling material off site is not covered provided they are not dumping it at a location outlined above.
- Driving a truck on site and moving equipment or materials on site would be considered covered work, as this is part of the construction process.

➤ *Any questions regarding the proper classification should be directed to:*
Public Contract Compliance Unit
Wage and Workplace Standards Division
Connecticut Department of Labor
200 Folly Brook Blvd, Wethersfield, CT 06109
(860) 263-6543.

**Connecticut Department of Labor
Wage and Workplace Standards Division
FOOTNOTES**

⇒ Please Note: If the “Benefits” listed on the schedule for the following occupations includes a letter(s) (+ a or + a+b for instance), refer to the information below.

Benefits to be paid at the appropriate prevailing wage rate for the listed occupation.

If the “Benefits” section for the occupation lists only a dollar amount, disregard the information below.

**Bricklayers, Cement Masons, Cement Finishers, Concrete Finishers, Stone Masons
(Building Construction) and
(Residential- Hartford, Middlesex, New Haven, New London and Tolland Counties)**

- a. Paid Holiday: Employees shall receive 4 hours for Christmas Eve holiday provided the employee works the regularly scheduled day before and after the holiday. Employers may schedule work on Christmas Eve and employees shall receive pay for actual hours worked in addition to holiday pay.

Elevator Constructors: Mechanics

- a. Paid Holidays: New Year’s Day, Memorial Day, Independence Day, Labor Day, Veterans’ Day, Thanksgiving Day, Christmas Day, plus the Friday after Thanksgiving.
- b. Vacation: Employer contributes 8% of basic hourly rate for 5 years or more of service or 6% of basic hourly rate for 6 months to 5 years of service as vacation pay credit.

Glaziers

- a. Paid Holidays: Labor Day and Christmas Day.

**Power Equipment Operators
(Heavy and Highway Construction & Building Construction)**

- a. Paid Holidays: New Year’s Day, Good Friday, Memorial day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, provided the employee works 3 days during the week in which the holiday falls, if scheduled, and if scheduled, the working day before and the working day after the holiday. Holidays falling on Saturday may be observed on Saturday, or if the employer so elects, on the preceding Friday.

Ironworkers

- a. Paid Holiday: Labor Day provided employee has been on the payroll for the 5 consecutive work days prior to Labor Day.

Laborers (Tunnel Construction)

- a. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day. No employee shall be eligible for holiday pay when he fails, without cause, to work the regular work day preceding the holiday or the regular work day following the holiday.

Roofers

- a. Paid Holidays: July 4th, Labor Day, and Christmas Day provided the employee is employed 15 days prior to the holiday.

Sprinkler Fitters

- a. Paid Holidays: Memorial Day, July 4th, Labor Day, Thanksgiving Day and Christmas Day, provided the employee has been in the employment of a contractor 20 working days prior to any such paid holiday.

Truck Drivers

(Heavy and Highway Construction & Building Construction)

- a. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas day, and Good Friday, provided the employee has at least 31 calendar days of service and works the last scheduled day before and the first scheduled day after the holiday, unless excused.

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:

01085-1

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.

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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
 - 2018 State of Connecticut Building Code including:
 - 2015 International Existing Building Code
 - 2015 International Building Code
 - All Connecticut Supplements and Amendments
 - 2015 International Energy Code
 - 2017 NFPA 70, National Electrical Code
 - 2015 International Fire Code
 - 2015 Connecticut State Fire Safety Code
 - 2015 NFPA 1, Uniform Fire Code
 - ICC/ANSI A117.1 – 2009

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 includes 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.

01300-2

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.

01300-3

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 back charge the contractor for this expense.

END OF SECTION

01300-4

SCHEDULE OF VALUES
SECTION 013700

PART ONE - GENERAL

1.1 DESCRIPTION

Work Included: To assure fair allocation of the costs of the work within the limits of the Contract and to be realistic in the total cost breakdown for the Application and Certificate for Payment, the various segments of the Contract shall be broken down for payment as described in this Section. Refer to the General Conditions of the Contract for pertinent requirements for submission of payment certificates.

1.2 SUBMITTALS

Comply with Section 01300

1.3 QUALITY ASSURANCE

The person who is determining the values shall have access to all subcontractor and supplier quotations, that where furnished to the Contractor.

PART TWO - PRODUCTS

2.1 BASIS FOR BREAKDOWN

General: The accepted price of contract shall become the basis for the schedule of values.

Breakdown: Where required by the Architect the various subcontractors shall provide subsequent divisions of their quotations.

2.2 INITIAL SCHEDULE

Provide in tabulated form, using the back-up sheet to the Application and Certificate for Payment, AIA Form G-703, a cost breakdown, including but not limited to, the following:

1. General Conditions
2. Window Panels; Materials
3. Window Panels: Labor

PART THREE - EXECUTION

- 3.1 A final copy of the Schedule of Values must be submitted prior to the first requisition for payment and will be used for all Certificates of Payment, and no value changes will be made.

END OF SECTION

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.
3. Temporary electricity for construction.
4. Temporary sanitary (toilet) facilities

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

01500-1

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.

Exterior: Visually inspect all exterior surfaces and remove all traces of soil, waste materials, smudges, and other foreign matter. Remove all traces of splashed materials from adjacent surfaces.

Interior: Visually inspect all interior surfaces and remove all traces of soil, waste material, smudges, and other foreign matter. Remove all traces of splashed materials from adjacent surfaces. Remove all paint droppings, spots, stains, and dirt from finished surfaces. Leave area "Broom Clean".

Windows: Wash and clean all windows. Remove all stickers on glass.

END OF SECTION

01710-2

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

01730-2

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 five years 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

01800-1

SECTION 07900
SEALANTS

PART ONE - GENERAL

1.1 DESCRIPTION

Work Included:

Throughout the work, caulk and seal all joints where shown on the drawings and elsewhere as required to provide a positive barrier against passage of air, smoke & fire. This shall include all existing penetrations and openings in corridor walls, stair walls and all fire and smoke separation walls.

1.2 QUALITY ASSURANCE

Qualifications of Installers:

Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and methods needed for proper performance of the work of this Section.

1.3 SUBMITTALS

General:

Comply with the provisions of Section 01300.

Product Data:

Prior to proceeding with the work of this Section, provide the following for the Architect's review:

- a. Complete materials list showing all items proposed to be furnished and installed under this Section, including color chart for Architect's color selection.
- b. Sufficient data to demonstrate that all such materials meet or exceed the specified requirements.

1.4 PRODUCT HANDLING

Protection:

Use all means necessary to protect the materials of this Section, before, during and after installation and to protect the work and materials of all other trades.

Replacements:

In the event of damage, immediately make all repairs and replacements necessary to the approval of the Architect and at no additional cost to the Owner.

07900 - 1

Delivery and Storage:

Deliver all materials of this Section to the job site in the original unopened containers with all labels intact and legible at time of use. Store only under conditions recommended by the manufacturers. Do not retain on the job site any material which has exceeded the shelf life recommended by the manufacturer.

PART TWO - PRODUCTS

2.1 CAULKING

Caulk all exterior joints where work is being performed and two different materials meet with sealant approved by the material manufacturer.

PART THREE - EXECUTION

3.1 INSPECTION

Examine the areas and conditions under which work of this Section will be performed. Correct conditions detrimental to the proper and timely completion of the work. Do not proceed until unsatisfactory conditions have been corrected.

3.2 PREPARATION

All surfaces in contact with sealant shall be dry, sound and well brushed and wiped free from dust, oil, grease, etc. Use solvent to remove oil and grease, wiping the surfaces with clean rags. Remove all laitance and mortar from the joint cavity.

Where backstop is required, insert the approved back-up material in the joint cavity to the depth required.

Use only such solvents to remove protective coatings as are recommended for that purpose by the manufacturer of the material that it is being used on.

3.3 INSTALLATION OF BACKUP MATERIAL

Use only the backup material recommended by the manufacturer of the sealant and approved by the Architect for the particular installation, compressing the backup material 25% to 50% to secure a positive and secure fit. When using backup of tube or red stock, avoid lengthwise stretching of the material. Do not twist or braid hose or rod backup stock.

3.4 BOND-BREAKER INSTALLATION

Install an approved bond-breaker where recommended by the manufacturer of the sealant and where directed by the Architect, adhering strictly to the installation recommendations as approved by the Architect.

07900 - 2

3.5 INSTALLATION OF SEALANTS

Install the sealant in strict accordance with the manufacturer's recommendations as approved by the Architect, thoroughly filling all joints to the recommended depth.

3.6 CLEANING UP

Clean adjacent surfaces free from sealant as the installation progresses. Use solvent or cleaning agent as recommended by the sealant manufacturer.

END OF SECTION

SECTION 08800
PLASTIC GLAZING

PART ONE - GENERAL

1.1 SUMMARY

- A. This Section specifies the following types of plastic glazing:
 - 1. Pebble textured plastic glazing.
 - 2. UV resistant plastic glazing.
 - 3. Abrasion & UV resistant plastic glazing.

1.2 REFERENCES

- A. ANSI Z97.1 – American National Standard for Glazing Materials Used in Buildings – Safety Performance Specifications and Methods of Test.
- B. CPSC 16 CFR 1201 – Safety Standard for Architectural Glazing Materials
- C. ASTM C 297 – Standard Test Method for Tensile. Strength on Flat Sandwich Constructions in. Flatwise Plane
- D. ASTM D 256 – Standard Test Method for Determining the Pendulum Impact Resistance of Notched Specimens of Plastics
- E. ASTM D 790 – Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.
- F. ASTM D 792 – Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement.
- G. ASTM D 1003 – Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics.
- H. ASTM D 1929 – Standard Test Method for Ignition Properties of Plastics
- I. ASTM F 1233 – Standard Test Method for Security Glazing Materials and Systems
- J. ASTM F 1915 – Standard Test Method for Glazing for Detention Facilities
- K. UL 752 – Standard for Bullet-Resisting Equipment
- L. ASTM F 1642-04 – Standard Test Method for Glazing and Glazing Systems Subject to Airblast Loading
- M. H.P.White TP-0050.03 – Transparent Materials for Use in Forced Entry or Containment Barriers
- N. US General Services Administration (GSA) Test Protocol GSA-TS01-2003 “Standard Test Method for Glazing and Window Systems Subject to Dynamic Overpressure Loadings”.
- O. Department of Defense (DoD) Antiterrorism/Force Protection Construction Standards UFC 4-010-01 “United Facilities Criteria (UFC) DoD Minimum Antiterrorism Standards for Buildings”

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. Physical properties including data on material weight, windload capacity, light transmission, shading coefficient and thermal expansion.
 - 2. Preparation instructions and recommendations
 - 3. Storage and handling requirements and recommendations

4. Installation methods and glazing procedures including edge engagement guidelines
- C. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- D. Verification Samples: Submit samples for each finish product specified, two samples, minimum size 6 inches (150mm) square, representing actual product and framed on two adjacent sides to show glazing system.
- E. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Deliver polycarbonate sheets on enclosed pallets.
- B. Store products in manufacturer's unopened packaging until ready for installation
- C. Store in dry, well-ventilated and covered areas at temperatures below 80 degrees F.
- D. Handle polycarbonate sheets carefully to prevent damage; do not drop, slide or drag.

1.5 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
- B. Contractor must field measure and verify all dimensions and conditions after award of contract.
- C. Base bid is based on quantities and sizes on the drawings.

1.6 WARRANTY

- A. Provide manufacturer's written warranty covering breakage. Minimum 15 years.
- B. Provide manufacturer's written warranty covering breakage, loss of light transmission and yellowing. Minimum 15 years.
- C. Provide manufacturer's written warranty covering breakage, abrasion resistance, coating failure, loss of light transmission and yellowing. Minimum 15-year warranty.
- D. Provide 15-year warranty on installation failures.

PART TWO – PRODUCTS

2.1 MANUFACTURER

A. Plastic Glazing: Provide products of Covestro LLC, Address: 119 Salisbury Road, Sheffield, MA 01257; Telephone: (877) 413-7957; (413) 229-8711; Fax: (413) 229-4066; Email: Sheffieldmarketing@covestro.com; Website: www.sheets.covestro.com
Or Architect approved equal manufacturer and products in conformance with these specifications.

2.2 MATERIALS

Makrolon 15: Transparent polycarbonate, UV stabilized glazing or Architect approved equal product in conformance with these specifications.

- A. Makrolon 15, UV resistant sign grade glazing: Solid polycarbonate sheet complying with ANSI Z97.1 and the following:
 1. Material: Makrolon 15 by Covestro LLC
 2. Thickness: ¼" thick

3. Color: Clear, OAOO
4. Tensile Strength, Ultimate: 9500 PSI
- B. Banding: Banding shall be compatible with glazing, approved by manufacturer of glazing and color matched to respective door or window.

PART THREE – EXECUTION

3.1 EXAMINATION

- A. Prior to start of installation, inspect existing conditions to ensure surfaces are suitable for installation of plastic glazing. Starting work indicates installers' acceptance of existing conditions.
- B. Contractor must field measure and verify all existing conditions.

3.2 QUALIFICATIONS

- A. Installation contractor must meet the following requirements:
 1. Have installed a minimum of 1400 panels the same as specified in this section.
 2. Have installed the same panels on a minimum of 4 schools in the State of Connecticut.
 3. Be in the glazing business for a minimum of 10 years.
 4. Have a patent or patent pending on the intended installation method.

3.3 WEATHER CONDITIONS

- A. Do not install panels if the temperatures will be below 40 degrees F anytime within 72 hours of the installation.

3.4 LOCATION

- A. Install plastic glazing panels on all existing window glazing in interim doors.

3.5 INSTALLATION

- A. Installation: comply with manufacturer's installation instructions including but not limited to the following:
 1. Clean contact surfaces with material recommended by manufacturer.
 2. Remove factory-applied protective masking to allow engagement at edges.
 3. Cut material as recommended by manufacturer; sand edges smooth after cutting.
 4. Attach using both adhesive and fasteners as recommended by the manufacturer for the particular application.
 5. Remove protective masking after glazing work is complete
 6. Install edge banding to conceal the fasteners and to match respective door or window color.
- B. Inspection: No edge banding/tape is to be installed over the screws until installation is reviewed and approved by Sal Morabito. Max of two visits will be made at each school.

3.6 CLEANING AND PROTECTION

- A. Cleaning: Use non-abrasive materials and methods acceptable to the manufacturer.
- B. Protection: Protect from damage during construction operations. Promptly repair any damaged or deteriorated surfaces.

END OF SECTION

WINDOW SECURITY PANELS
Fairfield Public Schools

Fairfield Bid #2020-30

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	width	height	quantity	Sq. Ft.	W/M	edge band quantity	width	height	quantity	Sq. Ft.				
Mill Hill	4	x	33	2	1.80	W	6.17	add 1.5"	5.5	x	34.5	x	2	2.64
Mill Hill	5	x	23	4	3.15	W	4.67	add 1.5"	6.5	x	24.5	x	4	4.42
Mill Hill	6	x	24	1	0.99	W	5.00	add 1.5"	7.5	x	25.5	x	1	1.33
Mill Hill	8	x	36	16	31.69	W	7.33	add 1.5"	9.5	x	37.5	x	16	39.58
Mill Hill	8	x	23	1	1.26	W	5.17	add 1.5"	9.5	x	24.5	x	1	1.62
Mill Hill	16	x	22	2	4.86	W	6.33	add 1.5"	17.5	x	23.5	x	2	5.71
Mill Hill	18	x	24	13	38.76	W	7.00	add 1.5"	19.5	x	25.5	x	13	44.89
Mill Hill	24	x	36	2	11.95	W	10.00	add 1.5"	25.5	x	37.5	x	2	13.28
											113.47			
Jennings	6	x	24	47	46.39	W	5.00	add 1.5"	7.5	x	25.5	x	47	62.42
Jennings	24	x	36	1	5.97	W	10.00	add 1.5"	25.5	x	37.5	x	1	6.64
											69.06			
Stratfield	3.625	x	30.625	1	0.76	W	5.71	add 1.5"	5.125	x	32.125	x	1	1.14
Stratfield	3.75	x	33.625	6	5.16	W	6.23	add 1.5"	5.25	x	35.125	x	6	7.68
Stratfield	4.5	x	34.5	7	7.43	W	6.50	add 1.5"	6	x	36	x	7	10.50
Stratfield	5	x	30	50	51.33	W	5.83	add 1.5"	6.5	x	31.5	x	50	71.09
Stratfield	20	x	36	7	34.83	W	9.33	add 1.5"	21.5	x	37.5	x	7	39.19
Stratfield	32	x	44	1	9.74	M	12.67	add 1.5"	33.5	x	45.5	x	1	10.99
											140.20			
North Stratfield	4.5	x	25.5	1	0.78	M	5.00	Exact	4.5	x	25.5	x	1	0.80
North Stratfield	5.5	x	28.5	4	4.30	M	5.67	Exact	5.5	x	28.5	x	4	4.35
North Stratfield	6	x	24	10	9.87	W	5.00	add 1.5"	7.5	x	25.5	x	10	13.38
North Stratfield	6	x	32	28	36.87	W	6.33	add 1.5"	7.5	x	33.5	x	28	48.85
North Stratfield	6.5	x	24.5	8	8.74	W	5.17	Exact	6.5	x	24.5	x	8	8.85
North Stratfield	18	x	31	2	7.71	W	8.17	add 1.5"	19.5	x	32.5	x	2	8.80
North Stratfield	18	x	18	2	4.47	W	6.00	add 1.5"	19.5	x	19.5	x	2	5.28
North Stratfield	18	x	32	1	3.98	W	8.33	add 1.5"	19.5	x	33.5	x	1	4.54
											94.75			
McKinley	4.500	x	25.5	1	0.78	M	5.00	add 1.5"	6	x	27	x	1	1.13
McKinley	19.75	x	52	4	28.40	M	11.96	add 1.5"	21.25	x	53.5	x	4	31.58
McKinley	19.75	x	52	4	28.40	M	11.96	add 1.5"	21.25	x	53.5	x	4	31.58
McKinley	20.5	x	46.5	4	26.36	M	11.17	Exact	20.5	x	46.5	x	4	26.48
McKinley	20.5	x	54.5	1	7.73	M	12.50	add 1.5"	22	x	56	x	1	8.56
McKinley	23.625	x	61	2	19.94	M	14.10	Exact	23.625	x	61	x	2	20.02
McKinley	24.5	x	54.5	5	46.19	M	13.17	Exact	24.5	x	54.5	x	5	46.36
McKinley	25.75	x	70.5	2	25.13	M	16.04	add 1.5"	27.25	x	72	x	2	27.25
McKinley	28.5	x	38.25	24	180.99	M	11.13	add 1.5"	30	x	39.75	x	24	198.75
McKinley	38.25	x	52	24	330.56	M	15.04	add 1.5"	39.75	x	53.5	x	24	354.44
											746.14			
Sherman	4.000	x	34	3	2.78	W	6.33	add 1.5"	5.5	x	35.5	x	3	4.07
Sherman	4.25	x	34.25	1	0.99	M	6.42	add 1.5"	5.75	x	35.75	x	1	1.43
Sherman	4.500	x	25.5	6	4.70	M	5.00	Exact	4.500	x	25.5	x	6	4.78
Sherman	7	x	37	4	7.12	W	7.33	add 1.5"	8.5	x	38.5	x	4	9.09
Sherman	8.000	x	24	27	35.63	W	5.33	add 1.5"	9.5	x	25.5	x	27	45.42
Sherman	24	x	36	4	23.90	W	10.00	add 1.5"	25.5	x	37.5	x	4	26.56
Sherman	27.75	x	79.75	5	76.61	M	17.92	add 1.5"	29.25	x	81.25	x	5	82.52
											173.87			
Dwight	6	x	24	1	0.99	W	5.00	add 1.5"	7.5	x	25.5	x	1	1.33
Dwight	6.75	x	30	4	5.56	W	6.13	add 1.5"	8.25	x	31.5	x	4	7.22
Dwight	7.25	x	30.25	1	1.76	W	7.08	add 1.5"	8.75	x	36.75	x	1	2.23
Dwight	8	x	36	35	69.33	W	7.33	add 1.5"	9.5	x	37.5	x	35	86.99
Dwight	19.25	x	24	5	15.95	W	7.21	add 1.5"	20.75	x	25.5	x	5	18.37
Dwight	19.75	x	30	1	4.09	W	8.29	add 1.5"	21.25	x	31.5	x	1	4.65
Dwight	21.75	x	80	2	24.08	M	16.96	add 1.5"	23.25	x	81.5	x	2	26.32
Dwight	24	x	30	1	4.98	W	9.00	add 1.5"	25.5	x	31.5	x	1	5.58
											152.29			
Osborn Hill	4.5	x	25.5	5	3.92	W	5.00	Exact	4.5	x	25.5	x	5	3.98
Osborn Hill	5	x	28	1	0.96	W	5.50	add 1.5"	6.5	x	29.5	x	1	1.33
Osborn Hill	6	x	21	1	0.86	W	4.50	add 1.5"	7.5	x	22.5	x	1	1.17
Osborn Hill	7	x	37	2	3.56	W	7.33	add 1.5"	8.5	x	38.5	x	2	4.55
Osborn Hill	8	x	36	33	65.37	W	7.33	add 1.5"	9.5	x	37.5	x	33	81.64
Osborn Hill	9	x	37	7	16.05	W	7.67	add 1.5"	10.5	x	38.5	x	7	19.65
Osborn Hill	16.5	x	22.5	4	10.24	W	6.50	add 1.5"	18	x	24	x	4	12.00
Osborn Hill	23	x	31	1	4.93	W	9.00	add 1.5"	24.5	x	32.5	x	1	5.53
Osborn Hill	24	x	30	2	9.95	W	9.00	add 1.5"	25.5	x	31.5	x	2	11.16
Osborn Hill	32	x	43	1	19.05	W	12.50	add 1.5"	33.5	x	44.5	x	1	20.70
Osborn Hill	32	x	33.25	1	7.36	W	10.88	add 1.5"	33.5	x	34.75	x	1	8.08
Osborn Hill	35	x	39.5	1	9.57	W	12.42	add 1.5"	36.5	x	41	x	1	10.39
											180.19			
Tomlinson	3	x	32	1	0.65	W	5.83	add 1.5"	4.5	x	33.5	x	1	1.05
Tomlinson	4	x	33	8	7.21	W	6.17	add 1.5"	5.5	x	34.5	x	8	10.54
Tomlinson	4.5	x	33	1	1.02	M	6.25	Exact	4.5	x	33	x	1	1.03
Tomlinson	5.5	x	34.5	29	37.71	M	6.67	Exact	5.5	x	34.5	x	29	38.21
Tomlinson	5.5	x	32	1	1.21	M	6.25	Exact	5.5	x	32	x	1	1.22
Tomlinson	6	x	36	2	2.96	M	7.00	Exact	6	x	36	x	2	3.00
Tomlinson	6	x	36	30	44.45	W	7.00	add 1.5"	7.5	x	37.5	x	30	58.99
Tomlinson	6	x	30	23	28.39	W	6.00	add 1.5"	7.5	x	31.5	x	23	37.73
Tomlinson	6	x	27	4	4.44	M	5.50	Exact	6	x	27	x	4	4.50
Tomlinson	6	x	32	4	5.27	W	6.33	add 1.5"	7.5	x	33.5	x	4	6.98
Tomlinson	7	x	28	6	8.08	M	5.83	Exact	7	x	28	x	6	8.17
Tomlinson	7	x	37	3	5.34	M	7.33	Exact	7	x	37	x	3	5.40
Tomlinson	7.5	x	25.5	1	1.31	W	5.50	Exact	7.5	x	25.5	x	1	1.33
Tomlinson	7.5	x	31.5	1	1.62	W	6.50	Exact	7.5	x	31.5	x	1	1.64
Tomlinson	8.5	x	38	2	4.45	M	7.75	Exact	8.5	x	38	x	2	4.49
Tomlinson	8.5	x	34.5	1	2.02	M	7.17	Exact	8.5	x	34.5	x	1	2.04
Tomlinson	8.5	x	38.5	1	2.25	M	7.83	Exact	8.5	x	38.5	x	1	2.27
Tomlinson	18	x	78	1	9.71	M	16.00	add 1.5"	19.5	x	79.5	x	1	10.77
Tomlinson	30	x	78	1	16.20	M	18.00	add 1.5"	31.5	x	79.5	x	1	17.39
Tomlinson	34.5	x	106	1	25.33	M	23.42	add 1.5"	36	x	107.5	x	1	26.88
Tomlinson	36	x	82	2	40.90	M	19.67	add 1.5"	37.5	x	83.5	x	2	43.49
Tomlinson	36	x	82	1	20.45	M	19.67	add 1.5"	37.5	x	83.5	x	1	21.74
Tomlinson	38	x	82	2	43.17	M	20.00	add 1.5"	39.5	x	83.5	x	2	45.81
Tomlinson	44	x	94	1	28.66	M	23.00	add 1.5"	45.5	x	95.5	x	1	30.18
Tomlinson	45.5	x	82	1	25.85	M	21.25	add 1.5"	47	x	83.5	x	1	27.25
Tomlinson	48.5	x	94	1	31.60	M	23.75	add 1.5"	50	x	95.5	x	1	33.16
											444.85			
FWMS	4.25	x	34	4	3.95	M	6.38	add 1.5"	5.75	x	35.5	x	4	5.67
FWMS	6	x	30	2	2.47	W	6.00	add 1.5"	7.5	x	31.5	x	2	3.28
FWMS	6	x	30	2	2.47	M	6.00	add 1.5"	7.5	x	31.5	x	2	3.28
FWMS	6.5	x	32.2	10	14.37	M	6.45	add 1.5"	8	x	33.7	x	10	18.72
FWMS	6.5	x	26.5	1	1.18	M	5.50	Exact	6.5	x	26.5	x	1	1.20
FWMS	7	x	30	19	27.40	W	6.17	add 1.5"	8.5	x	31.5	x	19	35.33
FWMS	7	x	30	10	14.42	W	6.17	add 1.5"	8.5	x	31.5	x	10	18.59
FWMS	7	x	31	23	34.28	W	6.33	add 1.5"	8.5	x	32.5	x	23	44.12
FWMS	7	x	26	3	3.75	W	5.50	add 1.5"	8.5	x	27.5	x	3	4.87
FWMS	7.5	x	25.5	2	2.63	W	5.50	Exact	7.5	x	25.5	x	2	2.66
FWMS	18	x	36	1	4.48	W	9.00	add 1.5"	19.5	x	37.5	x	1	5.08
FWMS	20	x	46	1	6.36	W	11.00	add 1.5"	21.5	x	47.5	x	1	7.09
FWMS	20	x	36	11	54.73	W	9.33	add 1.5"	21.5	x	37.5	x	11	61.59
FWMS	20	x	58	2	16.04	W	13.00	add 1.5"	21.5	x	59.5	x	2	17.77
FWMS	34	x	80	18	339.11	M	19.00	add 1.5"	35.5	x	81.5	x	18	361.66
											590.90			

	width	height	quantity	Sq. Ft.	W/M	edge band quantity	width	height	quantity	Sq. Ft.
RLMS	7.5	x	22.5							