TOWN OF WATERTOWN
WATERTOWN, CONNECTICUT

NOTICE OF BID

Height Increase of Doors at Firehouse Substation
Watertown Fire Department Company 2

Sealed bids are invited and will be received by the Purchasing Agent of the Town of Watertown until 1:00 p.m., Thursday, March 31, 2016 at the office of the Purchasing Agent, Town Hall Annex, 424 Main Street, Watertown, Connecticut, at which time and place they will be publicly opened and read aloud for Height Increase of Doors at Firehouse Substation to the Town of Watertown.

The Information for Bidders, Form of Bid, Specifications and other contract documents may be obtained or examined at the office of the Purchasing Agent, Town Hall Annex, 424 Main Street, Watertown, Connecticut 06795 or by accessing the Town’s website at www.watertownct.org. Proposals must be submitted on the forms provided and in a sealed envelope plainly marked "Bid – Height Increase of Doors at Firehouse".

MANDATORY PRE-BID CONSTRUCTION MEETING

All bidders are required to attend a Pre-Bid meeting for the purpose of viewing the proposed scope of services required, and obtaining information relating to the proposed project. The meeting is scheduled for 10:00 a.m., Monday, March 21, 2016 at the Firehouse Company 2 located at 532 Buckingham St, Oakville, CT. No additional viewing appointments will be scheduled. Only bidders who attend the pre-bid will be allowed to submit proposals for this project.

To receive consideration bids must be in the hands of the Purchasing Agent or his authorized representative no later than the day and hour mentioned above.

The Purchasing Agent reserves the right to accept or reject any or all bids; to waive any informalities; or to accept any bid deemed in the best interests of the Town of Watertown.

All bids will be considered valid for a period of sixty (60) days.

Jason Warner
Purchasing Agent
Town of Watertown
INFORMATION FOR BIDDERS

TOWN OF WATERTOWN
WATERTOWN, CONNECTICUT 06795

Height Increase of Doors at Firehouse Substation
Watertown Fire Department Company 2

BID OPENING: 1:00 p.m., Thursday, March 31, 2016

PROPOSALS RECEIVED

All bids must be in a sealed envelope and received prior to 1:00 p.m., Thursday, March 31, 2016 at the office of the Purchasing Agent, 424 Main Street, Watertown, Connecticut 06795.

PREPARATION OF PROPOSALS

Proposals must be made upon forms contained herein. The blank spaces in the Proposal must be filled in correctly where indicated. The Bidder must state the prices for which he proposes to do each item of the work contemplated. In case of discrepancy where both words and the numerals are requested, the words shall govern. Ditto marks are not considered writing or printing and shall not be used. The Bidder shall sign his Proposal correctly. If the Proposal is made by an individual, his name, post office address and telephone number must be shown. If made by a firm, partnership, or corporation, the Proposal must be signed by an official of the firm, partnership, or corporation authorized to sign contracts, and must show the post office address and telephone number of the firm, partnership, or corporation. Failure to do so may disqualify the bid.

Each bid must be submitted in a sealed envelope bearing on the outside the name of the Bidder, post office address, and name of the project for which the bid is submitted. If forwarded by mail, the sealed envelope containing the bid must be enclosed in another envelope addressed to: The Purchasing Agent, Town Hall Annex, 424 Main Street, Watertown, CT 06795.

All information shall be entered in ink or by typewriter. Mistakes may be crossed out and corrections inserted before submission of your bid. The person signing the bid shall initial corrections in ink.

Corrections and/or modifications received after the closing time specified will not be accepted.

All proposals and literature shall be submitted IN DUPLICATE on the proposal form, which is a part of these specifications.

Descriptive literature containing complete specifications must accompany each bid. If a bidder
wishes to furnish additional information, more sheets may be added.

**INCURRING COSTS**

The Town of Watertown is not liable for any cost incurred for the preparation of proposals or submission of samples by the firms submitting proposals for the work requested in this bid document or request for proposals.

**FAMILIARITY WITH THE WORK**

Each bidder is considered to have examined the work to fully acquaint himself with the exact existing conditions relating to the work and has fully informed himself as to the work involved and the difficulties and restrictions attending the performance of this bid. Failure to do so will not relieve a bidder of his obligation to furnish all materials, labor and equipment necessary to carry out the work for the consideration set forth in this bid. The submission of a bid will be considered as conclusive evidence that the bidder has made such examination.

**CONSIDERATION OF PRIOR SERVICE**

Previous performance, quality of service and merchandise will be considered.

**ADDENDA AND INTERPRETATIONS & ALTERNATE PROPOSALS**

At the time of the opening of bids each bidder will be presumed to have inspected the work and to have read and to be thoroughly familiar with all of the Contract Documents (including all addenda). The failure or omission of any bidder to receive or examine any form, instruction or document shall in no way relieve any bidder from any obligation in respect to his bid.

If any person contemplating submitting a proposal is in doubt as to the true meaning of any part of these specifications, he may submit a written request for an interpretation to the Purchasing Agent. No interpretations as to the meaning of the plans, specifications or other Contract Documents will be made to any bidder orally.

Every request for such interpretation should be emailed to the Town of Watertown, Purchasing Agent, warner@watertownct.org, and to be given consideration, must be received at least five (5) days prior to the date fixed for the opening of Bids. Any and all such interpretations and any supplementary instructions will be in the form of written Addenda to the Specifications which, if issued, will be posted on the Towns website, www.watertownct.org, no later than three (3) days prior to the date fixed for the opening of bids. Failure of any bidder to receive any such Addendum or interpretations shall not relieve any bidder from any obligations under his bid as submitted. All Addenda so issued shall become part of the Contract Documents. Oral explanations will not be binding on the Town.
The specifications listed are to be interpreted as meaning the minimum acceptable by the Town of Watertown. Bidders are requested to submit quotations on the basis of these specifications. Alternative bids providing a broader scope and/or services than requested in these specifications may receive consideration providing such equipment and/or service is clearly explained. Any exceptions to the specifications requested herein must be clearly noted in writing and are to be included as a part of your bid proposal. If none are included it will be assumed that there are none.

Definition of the word "complete" means that each unit of the equipment proposed shall include all appurtenances, fasteners, parts, accessories, and services ordinarily catalogued.

The Bidder may furnish an item equal to that named or described in the specifications, except where expressly noted as "no substitutions." The naming of any commercial name, trademark, or other identification shall not be construed to exclude any item of any manufacturer not mentioned by name, nor limit competition, but shall establish a standard of equality only. An item shall be considered equal to the item so named or described if:

A. It is at least equal in quality, durability, appearance, strength and design.

B. It will perform at least equally the function imposed by the design for the work being contracted for or the material being purchased.

C. It conforms substantially, even with deviations, to the detailed requirements for the item in the specifications.

The Bidder shall hold the Town of Watertown, its officers, agents, servants, and employees, harmless from liability of any nature or kind because of use of any copyrighted or uncopyrighted compositions, secret process, patented or unpatented inventions, articles or appliances furnished or used under this bid, and agrees to defend, at his own expense, any and all actions brought against the Town of Watertown or himself because of the unauthorized use of such articles.

QUOTATION LIMITATION

Bidders shall offer only **ONE ITEM AND PRICE** for each line item bid. If an or equal item is to be bid, the bidder is to select the brand and model that meets or exceeds the specified item, and submit his bid for that item.

ESTIMATE OF WORK

For bidding purposes, the work is offered as a lump sum project. The quantities shown are to be considered as approximate only. The Purchasing Agent does not expressly or by implication agree that the actual quantity will correspond therewith, but reserves the right to increase or decrease the amount of any item or portion of the work as deemed necessary.
SAMPLES

Samples of articles, when required shall be furnished free of cost of any sort to the Town of Watertown. Samples received may be retained by the Town for future comparison. Samples which are not destroyed by testing, or which are not retained for future comparison will be returned upon request at the bidder's expense.

WITHDRAWAL OF BID

Bidders may withdraw their proposals at any time prior to the bid date. No agent/broker shall withdraw or cancel their proposal for a period of sixty (60) days after the bid closing date of 1:00 p.m., Thursday, March 31, 2016. The successful agent/broker shall not withdraw, cancel or modify their proposal.

POWER OF ATTORNEY

Attorneys-in-fact who sign contract bonds must file, with each bond, a certified and effectively dated copy of their power of attorney.

SUBCONTRACTORS

A. Each bidder contemplating the use of any subcontractor shall submit a list of subcontractors as listed on the Bid Form.

B. The apparent low bidder shall file with the Town of Watertown, within five (5) days after the date of bid opening, a complete list of the names and addresses of competent, responsible and qualified subcontractors who are actually to perform major portions of the work. This in no way restricts or limits the requirement that all subcontractors must be approved by the Town.

C. Subcontractors listed on the Bid Form or those previously approved may not be changed without the approval of the Town of Watertown.

Local subcontractors, material suppliers, and labor in the Town of Watertown should be considered and sought insofar, as is practical in the performance of this project.

QUALIFICATION OF BIDDER

In determining the qualifications of a bidder, the Town may consider his record in the performance of any contracts for similar work into which he may have previously entered; and the Town expressly reserves the right to reject the bid of such bidder if such record discloses that such bidder, in the opinion of the Town, has not properly performed such contracts or has habitually, and without just cause, neglected the payment of bills or has otherwise disregarded his obligations to subcontractors, suppliers, state or local codes, men or employees of subcontractors.
The Town may make such investigation as he deems necessary to determine the ability of the bidder to perform the work and the bidder shall furnish to the Town all such information and data for this purpose as the Town may request. The Town reserves the right to reject any bid if the evidence submitted by or the investigation of such bidder fails to satisfy the Town that such bidder is properly qualified, or that such bidder misrepresented material facts in the bid documents.

DISQUALIFICATION OF BIDDERS

More than one proposal from an individual, firm, partnership, corporation, or an association under the same or different names will not be considered. Reasonable grounds for believing that any Bidder is interested in more than one proposal for the work contemplated will cause the rejection of all proposals in which such Bidder is interested. Any or all proposals in which such Bidder is interested will be rejected if there is reason for believing that collusion exists among the Bidders and all participants in such collusion will not be considered in future proposals for the same work. Proposals in which the prices are obviously unbalanced may be rejected. No Contract will be awarded except to competent Bidders capable of performing the class of work contemplated.

DELIVERY

Inasmuch as this work concerns a needed public improvement, the provisions of this bid relating to the time of delivery, performance and completion of the work are of the essence of this bid. Accordingly, the successful bidder, shall commence work upon receipt of the signed Purchase Order unless the Town shall authorize or direct a further delay, and shall proceed with the work diligently until finished.

Time of delivery shall be stated as the number of calendar days following receipt of the Purchase Order by the Bidder to receipt of the goods or services by the Town of Watertown.

Prices quoted must include delivery to the Town of Watertown as specified on the Purchase Order. No charges will be allowed for parking, crating, freight, express or cartage unless specifically stated and included in this bid.

Time of delivery may be considered in the award.

PAYMENT

The Town, after inspection and acceptance of workmanship, and in consideration of the faithful performance by the Bidder of all and singular his covenants, promises, and agreements contained herein, agrees to pay the Bidder for the full completion by him of the work embraced in this

Contract, within (30) Thirty Days of the receipt of the final invoice. When subcontractors or suppliers are utilized, the successful Bidder for this project shall be required to submit a Mechanics Lien Waiver, acceptable to the Town, with each progress payment and/or at time of final payment
prior to any payment being made.

Time, in connection with any discount offered, will be computed from the date of delivery to the Town or from the date a correct invoice is received by the Town's Finance Department, if the latter date is later than the date of delivery.

Prices will be considered as NET, if no cash or payment discount is shown.

The successful bidder shall submit invoices to the following address:

Town of Watertown
Fire Headquarters
935 Main Street
Watertown, CT 06795

IT IS UNDERSTOOD AND AGREED THAT SHOULD A BID BE ACCEPTED, IT WILL AUTOMATICALLY BECOME THE CONTRACT OR AN ADDENDUM TO ANY CONTRACT AGREED UPON.

Notification of the bid award will be made by issuance of a purchase order. Bidders are to list their bids on the appropriate attached sheets. Bidders may attach a letter of explanation. A clear notification should be made on the standard bid sheets at the appropriate point of explanation that there is a letter of explanation attached. All bids must be NET prices.

The successful bidder shall submit an itemized invoice to the Town of Watertown for the work as described herein.

The bidder shall be required to submit a Mechanics Lien Waiver, acceptable to the Town of Watertown, with each progress payment and at time of final payment prior to any payment being made.

At the time of award the successful bidder shall be required to supply the Town of Watertown a Certificate of Good Standing, certifying that the corporation is in fact a valid corporation and presently licensed to conduct business in the State of Connecticut.

SALES TAX

Certain materials and supplies incorporated in the work of this project are exempt from Connecticut Sales Tax. The Bidder shall familiarize himself with current regulations of the State Tax Department. The tax on materials or supplies exempted by such regulations shall not be included as part of the bid. The Town will furnish the successful Bidder sales tax exemption authorization.
CARE AND PROTECTION OF PROPERTY

The Bidder shall take particular care to avoid damages to all private and public property and to private or public improvements within the Town's right of way. He shall make good any damages to the satisfaction of the Town. There shall be no additional compensation for the repair or restoration of private or public property improvements.

COMPLIANCE WITH FEDERAL, STATE AND LOCAL CODES

The Bidder shall be responsible for full compliance with any Federal, State and/or Local codes, laws, regulations and standards, as applicable, to any project fully or partially funded by Local, State and/or Federal funding.

AWARD

The Town of Watertown reserves the right to accept or reject any bid to best serve its interests, or to hold the bids for sixty (60) days before decision.

The Town reserves the right to reject any and all bids (or any part thereof), to waive defects in proposals, or to accept any proposal deemed to be in its best interest.

Exceptions will be considered to the specification provided, providing they are listed and fully explained on a separate page entitled "EXCEPTIONS TO SPECIFICATIONS"

Each exception will be considered as to its degree of impact and total effect on the bid. The purchaser shall determine which (if any taken) exceptions are acceptable, and this determination shall be final.

The Town of Watertown reserves the right:

1) To award bids received on the basis of individual items, or groups of items, or on the entire list of items.

2) To reject any or all bids, or any part thereof.

3) To waive any informality in the bids.

4) The Town of Watertown reserves the right to take into account the residency of bidders within the Town of Watertown and/or the location of the bidders business within the Town of Watertown in awarding this bid.

5) To accept the bid that is in the best interest of the Town of Watertown. The Purchasing Agent's decision shall be final.
INSURANCE

A. General:

The Bidder shall be responsible for maintaining insurance coverage in force for the life of the contract of the kinds and adequate amounts to secure all of the Bidder’s obligations under the contract with an insurance company with an AM Best Rating of A - VII or better licensed to write such insurance in Connecticut and acceptable to the Town of Watertown.

The insurer shall provide the Town of Watertown with Certificates of Insurance signed by an authorized representative of the insurance company(ies) prior to the performance of this contract describing the coverage and providing that the insurer shall give the Town of Watertown written notice at least thirty (30) days in advance of any termination, expiration, or any and all change in coverage.

Such insurance or renewals or replacements thereof shall remain in force during the Bidder’s responsibility under this agreement.

The Bidder at the Bidder’s own cost and expense, shall procure and maintain all insurance required and shall name the Town of Watertown as an additional insured on all contracts except Worker’s Compensation and Professional Errors & Omissions coverage.

In order to facilitate this requirement for insurance, it is recommended that the bidder forward a copy of this exhibit to the bidder’s insurance representative(s).

B. Specific Requirements:

(1) Workers’ Compensation Insurance

The Bidder shall provide Workers’ Compensation Insurance required by law and the Employer’s Liability Insurance for at least the amounts of liability for Bodily Injury by accident of $100,000 each accident; Bodily Injury by Disease each employee of $100,000; Bodily Injury by Disease, policy limit of $500,000.

(2) Commercial General Liability Insurance

The Bidder shall carry Commercial General Liability policy (Insurance Services Office Incorporated Form CG-0001 or equivalent). A per occurrence limit of $1,000,000 is required. The Aggregate Limit will be not less than $1,000,000.

(3) Business Automobile Liability Insurance
The Bidder shall carry Business Automobile Liability Insurance. (Insurance Services Office Incorporated Form CA-00001 or equivalent). A per occurrence limit of $1,000,000 is required. "Any Auto" (symbol 1 or equivalent) is required.

C. Hold Harmless & Subcontractor’s Requirements:

The Bidder shall require the same insurance that it is required to carry by the Town of Watertown to be carried by any subcontractors and independent contractors hired by the Bidder and to obtain Certificates of Insurance before subcontractors and independent contractors are permitted to begin work.

The Bidder shall require that the Town of Watertown be named as Additional Insured on all subcontractor’s and independent contractor’s policies before they are permitted to begin work.

The Bidder and all subcontractors and independent contractors and their insurers shall waive all rights of subrogation against the Town of Watertown, and its officers, agents, servants and employees for losses arising from the work performed by each on this contract.

The Bidder assumes and agrees to hold harmless, indemnify, protect and defend the Town of Watertown against any and all liability for injuries and damages to Bidder and to Bidder’s employees, agents, subcontractors and guests, third parties or otherwise incident to or resulting from any and all operations performed by a contractor under any terms of this contract.

D. Other Data:

NOTE 1: If Bidder is only a vendor shipping goods via Common Carrier only, General Liability is required.

NOTE 2: If Bidder is a Professional, Errors & Omission coverage will be required.

NOTE 3: The Town reserves the right to amend amounts of coverage required and the types of coverage provided based on work or service to be performed.

GUARANTEE
The bidder shall unconditionally guarantee for a period of one (1) year from the date of acceptance, all materials, supplies, equipment, and services; including but not limited to its workmanship, delivery and installation. If within the guarantee period there are any defects or signs of deterioration the bidder shall repair, adjust or replace the item(s) to the complete satisfaction of the Town. These repairs, adjustments, or replacements are at the sole expense of the bidder and shall be made at such times that are agreeable to the Purchasing Agent so that it is least detrimental to instructional programs.
PERMITS

All licenses and permits for complying with any applicable Federal, State, and Municipal laws, codes, regulations in connection with the prosecution of the work shall be obtained by the Bidder, at no additional cost to the Town. The Town of Watertown will assess the cost of Local permits at sixteen cents per one thousand dollars of construction value as declared on the building permit application pursuant to State of Connecticut Statute Sec. 29-263. The successful contractor will be responsible for payment to the Town of Watertown Building Inspection Department.

NONDISCRIMINATION IN EMPLOYMENT

The successful bidder shall agree and warrant that, in the performance of this contract, he will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, sex, religion, or national origin in any manner prohibited by State, Federal, County, or Municipal law. A certification of Nonsegregated Facilities and a Certification Regarding Equal Employment Opportunity shall be considered a part of this contract.

MECHANICS LIEN WAIVERS

The successful Bidder shall be required to submit a Mechanics Lien Waiver, acceptable to the Town of Watertown, with each progress payment, and/or at time of final payment, prior to any payment made.

For further technical or administrative information contact Mr. Jason Warner, Purchasing Agent at (860) 945-5260.
TOWN OF WATERTOWN
WATERTOWN, CONNECTICUT

GENERAL REQUIREMENTS

Height Increase of Doors at Firehouse Substation
Watertown Fire Department Company 2

Scope of Work

The Contractor shall provide all labor, superintendence, materials, plant, tools and equipment necessary for properly removing and replacing portions of the asphalt shingle roof and all other work necessary for the proper completion of the project as specified herein within the time stipulated.

Payment for Miscellaneous Work

No direct payment will be made to the Contractor for furnishing and providing miscellaneous temporary works, plant, and services, including Contractor's office, sanitary requirements, water supply, power, tools, equipment, lighting, telephone systems, store houses, store yards, safety devices, permits, insurances, bonds, watchmen, clean up, and the like, or other items specified under these General Requirements, unless payment therefor has been specifically provided. Compensation for the same is understood to be included in the scheduled prices hereinbefore given for the various kinds of work contemplated.

Cleaning up Site

During the progress of the work, the Contractor shall keep the construction area in a neat condition, free from accumulations of waste materials and rubbish. Lunch papers, bottles, lumber cut-offs, drinking cups, and like rubbish shall be removed from the site daily. No alcoholic beverages will be permitted at the construction site(s).

On or before completion of the work and before acceptance and final payment shall be made, the Contractor shall clean and remove from the site and adjacent property all surplus and discarded materials, rubbish and temporary structures, and restore all property in an acceptable manner and leave the whole area in a neat and presentable condition.

Storage of Materials

Materials shall be stored so as to insure the preservation of their quality and fitness for the work. When considered necessary, they shall be placed on wooden platforms and covered or stored in a suitable building, as directed by the Town. Stored materials shall be located so as to facilitate
prompt inspections.

The Town of Watertown shall not assume any responsibility for the security of any stored materials or equipment.

Materials and equipment supplied by the Owner shall be jointly inspected by the Owner and the Contractor and shall remain the Contractor’s responsibility to make good any damage or theft to the materials and equipment until they have been incorporated and accepted in the work.

**Removal of Rejected Materials**

The Contractor shall immediately remove all rejected materials of any kind brought to or incorporated in the work from the site of the work. No such rejected materials shall again be offered for use by the Contractor.

**Work in Inclement Weather**

During freezing, stormy or inclement weather, no work shall be performed except such as can be done satisfactorily and in such manner as to secure first-class construction throughout.

**Working Hours**

The Contractor’s working schedule shall be confined to a six (6) day week, Monday through Saturday, and the working day shall be confined between the hours of 7:00 a.m. and 6:00 p.m. current local time.

Unless otherwise especially permitted, no work shall be done between the hours of 6:00 p.m. and 7:00 a.m. except as necessary or the proper care and protection of the work already performed. If it shall become absolutely necessary to perform work at night, the Town shall be informed at least 24 hours in advance of the beginning of the performance of such work. Only such work shall be done at night as can be done satisfactorily and in a first-class manner. Good lighting and all other necessary facilities for carrying out and inspecting the work shall be provided and maintained at all points where such work is being done.

**Emergency Work**

The Contractor shall file, with the Town of Watertown, the name and telephone number of a person authorized by him who may be contacted regarding emergency work at the job site that may be required during non-working hours for reasons of public safety.

This person shall be readily available and have full authority to deal with any emergency that may occur.
TOWN OF WATERTOWN
WATERTOWN, CONNECTICUT

TECHNICAL SPECIFICATIONS

Height Increase of Doors at Firehouse Substation
Watertown Fire Department Company 2

This project entails increasing the height of both front facing overhead door openings from 12’ in height to 13’9” in height

Security:
- During construction, at the end of the work day, openings need to be closed up using tarps or plastic sheathing per weather conditions
- Security of building is the responsibility of the Town

Demo:
- Remove overhead doors and related and dispose of offsite
- Remove electrical conduit as needed
- Security wiring and cameras to be removed by Town
- Remove masonry, steel lintels and roof structure as shown in sketches
- Dispose of same material offsite

Structural Framing:
- Install structural framing as shown in Engineer’s sketches

Roofing Structure and Finish Trim:
- Reframe roofing structure over doors and plywood same
- Roofing shingles in this area by owner
- Trim openings as per Engineer’s sketches

Painting:
- Paint trim one primer coat and two finish coats of premium paint
SECTION DETAIL AT 0.1 H.D.R.
LIMITS OF DEMOLITION AT EXISTING FRONT DOORS

NOTE: SEE A FROM ORIGINAL DUGS AND SUPPORT/PROTECT ALL NOT REMOVED UNTIL REINTEGRATED INTO FINISHED WORK.

SECTION AA
1 1/2" = 1'-0"

3/8" = 1'-0"

14'-0" (EXISTING OPENING)

( View inside looking out )

3/8" = 1'-0"

ONLY

1/8"

B

L

MASONRY REMOVAL LIMITS

REMOVE BEAM + PLATE

SECTION B-B

1/2"

BWF 17

INSULATIONS

8" blocks

BWF 17

13" x 3/8" P CONTINUOUS

INSULATION

DENIS O'SULLIVAN P.E., LLC
238 North Street
WATERTOWN, CONNECTICUT 06795
(860) 274-0408
(860) 274-5277 FAX

BUCKINGHAM ST. FIRE SUBSTATION

JOB SHEET NO. 1 OF 2
CALCULATED BY: DOS DATE: 10/29/15
CHECKED BY: DATE:

SCALE
MASSONRY AND BEAM/IE TO BE REMOVED

SECTION DETAIL AT 0.8 AND
NOTE: See B from original drawings with proposed additions shown. Use kiln-dry doug fir—select structural. Fasteners shall be Simpson SDS 4x3 galvanized. @ 12" OC (two per stud + 8)
MOVE EXISTING DETAIL

EXTEND BOTTOM FLANGE BRACE FROM OUT TO NEW WOOD AND FASTEN.

TRIM NEWLY EXPOSED WALL WITH 3/4" X 6" RED CEDAR TO MATCH EXISTING TRIM.

3/4" = 1'-0"

SECTION DETAIL AT 0.000
The Simpson Strong-Tie Strong-Drive screw (SDS) is a 1⁄4" diameter structural wood screw ideal for various connector installations as well as end-use applications. It installs with no predrilling and has been extensively tested at various applications. The new SDS is improved with a patented easy driving 4CUT tip and a corrosion resistant double-barrier coating.

The SDS 8x1½" wafer head screw is ideal for miscellaneous fastening applications. The needle point ensures fast starts and deep #2 Phillips drive reduces cam-out and stripping.

**SDS FEATURES:**
- The patented 4CUT tip has a square core and serrated threads to reduce installation torque and make driving easier with no predrilling and minimal wood splitting.
- A double-barrier coating finish provides corrosion resistance equivalent to hot-dip galvanization. Now one screw can handle interior, exterior and certain pressure treated wood applications (see Corrosion Information on page 14-15 for more information).
- 9/32" hex washer head is stamped with the No-Equal sign and fastener length for easy identification after installation.

**MATERIAL:** Heat-treated carbon steel, Type-316 stainless steel

**FINISH:** SDS—Double-barrier coating. SDS screws may also be available yellow zinc dichromate or HDG (Not all sizes are available in all coatings — Contact Simpson Strong-Tie for product availability and ordering information). SD8x1.25—Electro Galvanized.

**CODES:** See page 13 for Code Reference Key Chart.

**WARNING:** Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, the SDS 8x1½" screws should be used in dry, indoor and noncorrosive environments only.

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### SDS and SD Wood Screws

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<td>900</td>
<td>240</td>
<td>425</td>
<td>330</td>
</tr>
</tbody>
</table>

### Stainless-Steel SDS Wood Screws

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>8x1 ½</td>
<td>SD82512SS</td>
<td>1</td>
<td>1500</td>
<td>—</td>
<td>—</td>
<td>120</td>
</tr>
<tr>
<td>8x2</td>
<td>SD82202SS</td>
<td>1 ¼</td>
<td>1300</td>
<td>—</td>
<td>—</td>
<td>15, L1, F20</td>
</tr>
<tr>
<td>8x2½</td>
<td>SD82212SS</td>
<td>1 ½</td>
<td>1100</td>
<td>—</td>
<td>—</td>
<td>15, L1, F20</td>
</tr>
<tr>
<td>8x3</td>
<td>SD82300SS</td>
<td>2</td>
<td>950</td>
<td>—</td>
<td>—</td>
<td>15, L1, F20</td>
</tr>
<tr>
<td>8x3½</td>
<td>SD82312SS</td>
<td>2 ¼</td>
<td>900</td>
<td>—</td>
<td>—</td>
<td>15, L1, F20</td>
</tr>
</tbody>
</table>

---

1. Screws may be provided with the 4CUT or Type 17 tip.
2. SDS screws install best with a low speed 1/4" drill with a 9/32" hex head driver.
3. All applications are based on full thread penetration into the main member.
4. For other wood side plate values, see Fastening Systems catalog (C-F8).
5. Allowable loads are shown at the wood bond duration factor of C=1.00. Loads may be increased for load duration per the building code up to a C=1.60.
6. Fasteners per Carton represent the quantity of screws which are available in bulk packaging. Screws are also available in mini bulk and retail packs. Refer to Simpson Strong-Tie List Price book. Contact Simpson Strong-Tie for more information.
7. LSL wood-to-wood applications that require 4W, 5", 6" or 8" SDS screws are limited to interior dry use only.
8. SD8x1.25 requires 8½" minimum penetration. DO NOT USE SD8x1.25 wood screws with structural connectors unless specified and stated in this catalog.
9. Predrilling is required for SJS. Predrill diameter is 9/32".
10. Minimum spacing edge and end distance requirements are listed in ICC-ES ESR-2238.
### ALLOWABLE LOADS FOR PARALLAM BEAMS IN POUNDS PER LINEAR FOOT

<table>
<thead>
<tr>
<th>CLEAR SPAN</th>
<th>7'' THICK DEPTH</th>
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</thead>
<tbody>
<tr>
<td>6'-0&quot;</td>
<td>3043 3941 4838 7553 9620 11682 13717</td>
</tr>
<tr>
<td>7'-0&quot;</td>
<td>2196 2437 3161 6383 7963 9620 11682 13717</td>
</tr>
<tr>
<td>8'-0&quot;</td>
<td>1521 2601 4003 4575 5933 7372 8664 9851</td>
</tr>
<tr>
<td>9'-0&quot;</td>
<td>1044 2317 3268 3863 4807 6016 7265 8399</td>
</tr>
<tr>
<td>10'-0&quot;</td>
<td>810 1766 2683 3022 3848 4957 6064 7101</td>
</tr>
<tr>
<td>11'-0&quot;</td>
<td>653 1550 2584 3112 3984 4780 5736 6571</td>
</tr>
<tr>
<td>12'-0&quot;</td>
<td>513 1357 2453 2974 3741 4609 5457 6305</td>
</tr>
<tr>
<td>13'-0&quot;</td>
<td>419 1168 2254 2718 3431 4249 5113 5958</td>
</tr>
<tr>
<td>14'-0&quot;</td>
<td>326 1071 2024 2488 3150 3943 4707 5473</td>
</tr>
<tr>
<td>15'-0&quot;</td>
<td>277 980 1870 2229 2884 3624 4373 5122</td>
</tr>
<tr>
<td>16'-0&quot;</td>
<td>229 876 1744 2093 2741 3432 4150 4873</td>
</tr>
<tr>
<td>17'-0&quot;</td>
<td>155 709 1574 1922 2561 3269 3943 4607</td>
</tr>
<tr>
<td>18'-0&quot;</td>
<td>125 611 1364 1712 2349 3076 3753 4438</td>
</tr>
<tr>
<td>19'-0&quot;</td>
<td>106 547 1181 1527 2154 2861 3548 4234</td>
</tr>
<tr>
<td>20'-0&quot;</td>
<td>91 510 1096 1470 2093 2716 3339 4002</td>
</tr>
<tr>
<td>21'-0&quot;</td>
<td>77 477 962 1334 1948 2561 3174 3846</td>
</tr>
<tr>
<td>22'-0&quot;</td>
<td>67 456 893 1267 1861 2454 3047 3700</td>
</tr>
<tr>
<td>23'-0&quot;</td>
<td>55 435 833 1206 1790 2373 2956 3517</td>
</tr>
<tr>
<td>24'-0&quot;</td>
<td>48 415 777 1149 1733 2316 2899 3460</td>
</tr>
</tbody>
</table>

### Example: Header Supporting Floor and Roof

A header is required over an exterior patio door having a clear opening of 10'. The header supports the floor, wall and roof framing as shown in the diagram. The design loads are:

- **LIVE**: 30 PSF
- **DEAD**: 17 PSF
- **TOTAL**: 47 PSF

Total load on the header in PLF is calculated as follows:

- **ROOF LOAD**: \( \frac{10}{2} \times 47\) PSF = 235 PLF
- **FLOOR LOAD**: \( \frac{15}{2} \times 55\) PSF = 385 PLF
- **WALL WEIGHT**: 80 PLF

Total load on the header = 235 + 385 + 80 = 700 PLF

The weight of the header is not included because the tables show the net capacity of the header reduced by the header weight. Live Load on the header is calculated as:

- **ROOF LOAD**: \( \frac{10}{2} \times 50\) PSF = 250 PLF
- **FLOOR LOAD**: \( \frac{15}{2} \times 40\) PSF = 225 PLF

**TOTAL LIVE**: 700 PLF

### NOTES

1. Deflection is limited to 0.008 at Live Load and to 0.015 at Total Load. For Live Load deflection limited to 0.008, multiply the maximum Load (middle figure) by 0.75.

2. Bearing Length shown is required at each end, based on the allowable bearing stresses of the beam (600 psi). A longer Bearing Length may be required to account for a weaker bearing material or to meet additional design considerations.

3. The Bearing Lengths shown are based on allowable total load and may be reduced proportionately for lighter loads.

4. The Design Span is assumed to be equal to the Clear Span plus one half the required Bearing Length at each end.

5. If the beam is hinged at both edges and supported at the seat edge, 3/4 x 11/4 and 2 x 7 beams may be composed of multiple pieces of 3/4 x 3/4 pieces, provided the beam is top loaded and pieces are properly fastened together. See detail on page 18.

See also General Notes, page 19.
8. All block voids under bearing plates to be filled solid with cement mortar, minimum 2 courses.

GALV. STEEL DECK

BRIDGING LINES ANCHORED TO WALL

SECTION 3/4" x 1/4"

Notes:
- +15'-0" at PL
- +15'-4" at PT
- Wood framing see archil dwg. 3
PLEASE

IT IS A REQUIREMENT OF THIS BID THAT EACH PROPOSAL SUBMITTED MUST HAVE A DUPLICATE COPY ATTACHED.

YOUR COOPERATION IS APPRECIATED
TOWN OF WATERTOWN
WATERTOWN, CONNECTICUT 06795

BID PROPOSAL

Height Increase of Doors at Firehouse Substation
Watertown Fire Department Company 2

BID OPENING: 1:00 p.m., Thursday, March 31, 2016

TO: Jason Warner, Purchasing Agent
Town of Watertown
Town Hall Annex
424 Main Street
Watertown, CT 06795

The undersigned, as bidder, agrees to furnish material, labor and equipment for Height Increase of Doors at Firehouse Substation and declares that no person or persons, other than those named herein, are interested in this Proposal; that this Proposal is made without collusion with any person, firm, or corporation; that he has carefully examined the location of the proposed work therein referred to; that no person or persons acting in any official capacity for the Town is directly or indirectly interested therein or in any portion of the profit thereof; and that he proposes and agrees, if this Proposal is accepted; to provide all necessary equipment, tools, labor and deliver and to do all work and furnish all materials specified, in the manner and time therein prescribed, and according to the requirements of the Town as therein set forth, and that he will take in full payment therefor, the following unit prices and lump sums, to wit:

FIRM

Name

Street

City State Zip Code

NAME

Please Print

TELEPHONE NUMBER

EMAIL ADDRESS

SIGNED DATE
PROPOSAL

Payment Terms

Time to Completion ____________ Working Days

Workmanship Warranty

Material Warranty

Cost Complete per Specifications: $________

Have you taken any exceptions or have you deviated from our printed specification and if so, are such suggested changes clearly noted on the page provided for exceptions to specifications?:

____ yes  ______ no
EXCEPTIONS TAKEN TO SPECIFICATIONS:
### RECEIPT OF ADDENDA

<table>
<thead>
<tr>
<th>ADDENDUM #</th>
<th>SIGNATURE</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td></td>
<td>/ /</td>
</tr>
<tr>
<td>2.</td>
<td></td>
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</tr>
<tr>
<td>3.</td>
<td></td>
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</tr>
<tr>
<td>4.</td>
<td></td>
<td>/ /</td>
</tr>
</tbody>
</table>

**NAME OF BIDDER:**

**OFFICIAL ADDRESS:**

**PHONE NUMBER:**

**BY:** ____________________ **TITLE:** ____________________  
(Please Print)

**DATE:** ____________________

**SIGNATURE:** ____________________
PROPOSED SUBCONTRACTORS

FIRM ________________________________ Name ________________________________

________________________ Street ____________________________

________________________ City ____________________________ State ____________________________ Zip Code __________

CONTACT ________________________________ TELEPHONE ________________________________

Please Print

TYPE OF WORK TO BE PERFORMED ________________________________

______________________________

FIRM ________________________________ Name ________________________________

________________________ Street ____________________________

________________________ City ____________________________ State ____________________________ Zip Code __________

CONTACT ________________________________ TELEPHONE ________________________________

Please Print

TYPE OF WORK TO BE PERFORMED ________________________________

______________________________

FIRM ________________________________ Name ________________________________

________________________ Street ____________________________

________________________ City ____________________________ State ____________________________ Zip Code __________

CONTACT ________________________________ TELEPHONE ________________________________

Please Print

TYPE OF WORK TO BE PERFORMED ________________________________
REFERENCES

The Bidder is required to fill out the following form to enable the Owner to make inquires and judgement as to the Bidder's experience, skill, available financial resources, credit and business standing.

1. Number of years the Bidder has been in business as a Contractor: ________________.

2. List three (3) projects of similar in nature to the project described herein that the Bidder has completed along with the approximate construction cost. Include the name, address and telephone number of a reference for each project.

__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

3. List projects presently under construction by the Bidder, dollar volume of the Contract and percent completed.

__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

21
4. Has the Bidder ever failed to complete work awarded to him; and if so, state where and why.

_________________________________________________________________________

_________________________________________________________________________

_________________________________________________________________________

5. Does the Bidder plan to sublet any part of this work; and if so, give details.

_________________________________________________________________________

_________________________________________________________________________

_________________________________________________________________________