

INVITATION TO BID

The City of Rochester, New Hampshire is accepting sealed bids for **“Rochester City Hall – Structural Wall Repair”**. Bids must be submitted in a sealed envelope plainly marked:

Rochester City Hall – Structural Wall Repair

Bid # 16-17

City of Rochester
31 Wakefield Street
Rochester, NH 03867
Attn: Purchasing Agent

All bids must be received no later than **“October 15, 2015”** at **2:15 PM**. Actual bid opening will be at Rochester City Hall, 31 Wakefield Street in Rochester NH, at **3:00 PM**. No late bids, faxed, e-mailed or telephone bids will be accepted. Bid proposals and specifications may be obtained by visiting www.rochesternh.net, or emailing purchasing@rochesternh.net, or by contacting the Purchasing Agent at City Hall, 31 Wakefield Street, Rochester, NH 03867, (603) 335-7602. All bid questions must be submitted in writing (email preferred) to the Purchasing Agent. Bidders are to monitor website for addendums, and postings of all bid questions and answers. All bid proposals must be made on the bid proposal forms supplied, and the bid proposal forms must be fully completed when submitted.

A mandatory site visit of the Wall Repair at City Hall will be held on Wednesday October 7, 2015 at 10:30 AM. Bidders will meet at Rochester City Hall, First Floor at 31 Wakefield Street, Rochester, NH 03867. All Bidders must attend.

SCOPE OF WORK

Background:

A crack was discovered in a masonry wall at Rochester City Hall. Skilled welding and repair work is required to re-support steel lintel beams.

The consulting firm of Structures North was hired to investigate the wall crack and prepare a detailed scope of services such that the City could solicit bids for repairs. Structures North believes that in the current City Council Chambers room, the W18 transfer beams that support a W33 lintel beam in the former exterior masonry wall is overstressed, leading to cracks in the masonry wall above the Council Chambers. Proposed repairs require the installation of a new beam under the existing W18 beam, shimmed to support the existing W18 in line with where the W33 bears upon it. The new beam will then fasten to the existing columns on each end which will transfer the load to the existing foundations.

Summary of Project:

Structures North prepared Attachment #1 pages 12-17 for General Requirements and Scope of Work, along with a partial floor framing plan and details for the structural reinforcing. Contractor shall be responsible for all aspects of the project in including demolition, temporary shoring & bracing, providing materials, installation, welding, and finish restoration of interior wall finishes.

Please Note – time is of the essence. The City anticipates a construction period of 8 weeks will be sufficient, following approval of all shop drawings and submittals. The City's objective is to complete the work prior December 31, 2015. Please include a written statement if you do not anticipate being able to meet this completion deadline. A time extension would be considered if the anticipated delay is based on availability of materials, or other valid reason, unrelated to availability of staffing or personnel.

Work will occur within the City Council Chambers. The Council Chambers need to remain available for service outside of normal work days (hours of 7:00 AM to 5:00 PM). The intent is that regular evening City public meetings will still be able to occur during the construction period. During normal work days City staff will restrict access to the work area. However, accommodations must be made to allow staff to pass through the Council Chambers to gain access to adjoining rooms. Therefore, the successful bidder will be responsible maintaining suitable sheeting and bracing to accommodate this intended use. The total lump sum price for the work shall include an allowance for all necessary temporary measures or protection to accommodate the intended use of the Council Chambers during the construction period.

The City will retain Structures North to review any shop drawings and submittals. The City will also retain an independent Materials & Site Inspection consultant to monitor, inspect and test field welds. Successful Bidder will need to provide certification that welders have satisfactorily passed American Welding Society qualification tests with the previous 12 months.

A mandatory site visit of the Wall Repair at City Hall will be held on Wednesday October 7, 2015 at 10:30 AM. Bidders will meet at Rochester City Hall, First Floor at 31 Wakefield Street, Rochester, NH 03867. All Bidders must attend. Bids shall be based on Total Lump Sum price. Bidders shall provide price below, but must also complete the Approximate Schedule of Values Worksheet (attached), or provide a similar SOV's to demonstrate comprehension of the project.

All construction methods and materials shall be in accordance with New Hampshire State Building Code (2009 IBC w/ NH amendments), AWS Structural Welding Code, and AISC Specification for the Design, Fabrication, Erection of Structural Steel for Buildings.

Rochester City Hall - Structural Wall Repair
Schedule of Values
To be included with Bids due October 15, 2015

Item/Description	Approximate Quantity	Item Estimate Lump Sum
Demo - Remove 5 layers of existing gypsum wall sheathing	5 layers x 8 ft wide x 10 feet tall = 400 SF	\$
Temporary shoring (as needed for shaft wall)	7 lineal feet	\$
Demo - Remove shaft wall studs to allow installation of new framing	7 +/- studs	\$
Demo - Remove gypsum board wrap around existing framing at new connection locations	(lump sum)	\$
Demo - Grind away paint on existing steel for new connections	(lump sum)	\$
New W18x50 beam, install under existing beam, L=7ft +/-	350 lbs	\$
New misc. plates: shear tab conn. To exist col. Ea end of new beam (FIELD WELD), new web stiffeners at center	(lump sum)	\$
New solid wood blocking around column at 1st floor level if no existing blocking present	(lump sum)	\$
New gypsum wrap around steel framing	70 sq ft +/-	\$
New shaft wall rebuilding (5 layers gypsum on new studs, paint wall)	5 layers x 8 ft wide x 10 feet tall = 400 SF; plus 7 +/- studs	\$
Final Clean-up	(lump sum)	\$
	Total Lump Sum	\$

**Rochester City Hall – Structural Wall Repair
Bid # 16-17**

Cost for Structural Wall Repair \$_____ (total Lump Sum)

****Bidders are required to complete and attach the Schedule of Values form included in the Bid Package.***

COMPANY NAME:_____

CONTACT PERSON:_____

ADDRESS:_____

TELEPHONE#_____ FAX#_____ E-MAIL_____

SIGNATURE:_____

Bid results will be posted after 48 hours on the City of Rochester's web site:
www.rochesternh.net or will be available by request via e-mail at the following address:
purchasing@rochesternh.net

INSTRUCTION TO BIDDERS

PREPARATION OF BID PROPOSAL

1. The Bidder shall submit her/his proposal upon the form(s) furnished by the City (attached). The bidder shall specify a unit price for each pay item. All figures shall be in ink or typed.
2. If a unit price or lump sum bid already entered by the bidder on the proposal form is to be altered it should be crossed out with ink, the new unit price or lump sum bid entered above or below it, and initialed by the bidder, also with ink. In case of discrepancy between the prices written in words and those written in figures, the prices written in words shall govern.
3. The bidder's proposal must be signed with ink by the individual, by one or more members of the partnership, by one or more members or officers of each firm representing a joint venture, by one or more officers of a corporation, or by an agent of the contractor legally qualified and acceptable to the owner. If the proposal is made by an individual, his name and post office address must be shown, by a partnership the name and post office address of each partnership member must be shown; as a joint venture, the name and post office address of each must be shown; by a corporation, the name of the corporation and its business address must be shown, together with the name of the state in which it is incorporated, and the names, titles, and business addresses of the President, Secretary, and Treasurer.
4. All questions shall be submitted in writing to and received by the Purchasing Agent at the above address, a minimum of 7 days prior to the scheduled bid opening. The Purchasing Agent, will then forward both the question and the city's response to the question to all known prospective bidders.

IRREGULAR PROPOSALS

Bid proposals will be considered irregular and may be rejected for any of the following reasons:

1. If the proposal is on a form other than that furnished by the Owner or if the form is altered or any part thereof is detached.
2. If there are unauthorized additions, conditional or alternate bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite or ambiguous as to its meaning.
3. If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
4. If the proposal does not contain a unit price for each pay item listed, except in the case of authorized alternate pay items.

DELIVERY OF BID PROPOSALS

When sent by mail, the sealed proposal shall be addressed to the City of Rochester, Purchasing Agent, 31 Wakefield Street, Rochester, NH 03867. All proposals shall be filed prior to the time and at the place specified in the invitation for bids. Proposals received after the time for opening of the bids will be returned to the bidder, unopened. Emailed or faxed bid proposals are not acceptable.

WITHDRAWAL OF BID PROPOSALS

A bidder will be permitted to withdraw his proposal unopened after it has been deposited if such request is received in writing prior to the time specified for opening the proposals.

PUBLIC OPENING OF BID PROPOSALS

Proposals will be opened and read publicly at the time and place indicated in the invitation for bids. Bidders, their authorized agents, and other interested parties are invited to be present.

DISQUALIFICATION OF BIDDERS

Either of the following reasons may be considered as being sufficient for the disqualification of a bidder and the rejection of her/his bid proposal(s):

1. Evidence of collusion among bidders.
2. Failure to supply complete information as requested by the bid specifications.

CONSIDERATION OF PROPOSALS

1. Bids will be made public at the time of opening and may be reviewed only after they have been properly recorded. In case of discrepancy between the prices written in words and those written figures, the prices written in words shall govern. In case of a discrepancy between the total shown in the proposal and that obtained by adding the products of the quantities of items and unit bid prices, the latter shall govern.
2. The right is reserved to reject any or all proposals, to waive technicalities or to advertise for new proposals, if in the judgment of the City, the best interest of the City of Rochester will be promoted thereby.
3. Bid results will be available on the website at www.rochesternh.net within 48 hours of the bid opening.

AWARD OF CONTRACT

The City holds the right, in its judgment, to award the contract to the bidder, which it feels is in the best interest of the City. If a contract is to be awarded, the Contractor/Vendor selection shall be based in part on possession of the necessary experience, organization, technical and professional qualifications, skills and facilities, reference checks, project understanding, approach, ability to comply with proposed or required time to completion or performance, licensing or certification, in good standing with Federal, State and Local agencies, possession of satisfactory record of performance, cost and to a responsible and qualified bidder whose proposal complies with all the requirements prescribed as soon as practical after the bid opening. No bid shall be withdrawn for a period of (60) sixty days subsequent to the opening of bids without the consent of the City of Rochester. The successful bidder will be notified, by the form mailed to the address on his proposal, that his bid has been accepted and that he has been awarded the contract.

CANCELLATION OF AWARD

The City reserves the right to cancel the award of any contract at any time before the execution of such contract by all parties without any liability or other claim against the City.

BID EVALUATION

In addition to the bid amount, additional factors will be considered as an integral part of the bid evaluation process, including, but not limited to:

1. The bidder's ability, capacity, and skill to perform within the specified time limits.
2. The bidder's experience, reputation, efficiency, judgment, and integrity.
3. The quality, availability and adaptability of the supplies and materials sold.
4. The bidder's past performance.
5. The sufficiency of bidder's financial resources to fulfill the contract.
6. The bidder's ability to provide future maintenance and/or services.
7. Any other applicable factors as the City determines necessary and appropriate (such as compatibility with existing equipment).

CONDITIONS AT SITE

Bidders shall be responsible for having ascertained pertinent local conditions, such as: location, accessibility and general character of the site. The character and extent of existing work within or adjacent to the site and any other work being performed thereon at the time of the submission of her/his bid.

LAWS, PERMITS AND REGULATIONS

1. The Contractor shall obtain and pay for all licenses and permits as may be required of him by law, and shall pay for all fees and charges for connection to outside services, and use of property other than the site of the work for storage of materials or other purposes.
2. The Contractor shall comply with all State and Local laws, ordinances, regulations and requirements applicable to work hereunder, including building code requirements. If the Contractor ascertains at any time that any requirement of this Contract is at variance with applicable laws, ordinances, regulations or building code requirements, she/he shall promptly notify the City of Rochester in writing.

CONTRACTOR'S AND SUBCONTRACTOR'S INSURANCE

1. The Contractor shall deliver with bid documents; certificates of all insurance required hereunder. The certificate shall state that the companies issuing insurance will endeavor to mail to the City of Rochester ten (10) days notice of cancellation, alteration or material change of any listed policies. The Contractor shall keep in force the insurance required herein for the period of the Contract. At the request of the City of Rochester, the Contractor shall promptly make available a copy of any and all listed insurance policies. The requested insurance must be written by a Company licensed to do business in New Hampshire at the time the policy is issued.
2. The City of Rochester, NH shall be listed as additional insured on all the Certificates of Insurance.

3. The Contractor shall require each Subcontractor employed on the Project to maintain the coverage listed below unless the Contractor's insurance covers activities of the Subcontractor on the Project.
4. No operations under this Contract shall commence until certificates of insurance attesting to the below listed requirements have been filed with and approved by the Department of Public Works, and the Contract approved by the City Manager.
 - a. Workmen's Compensation Insurance
Limit of Liability - \$100,000.00 per accident
 - b. Commercial General Liability
Limits of Liability
Bodily Injury: \$1,000,000.00 per occurrence, \$1,000,000.00 aggregate
Property Damage: \$500,000.00 per occurrence, \$200,000.00 aggregate
Combined Single Limit, Bodily Injury and Property Damage:
\$2,000,000.00 aggregate
 - c. Automobile Liability
Limits of Liability - \$500,000.00 per accident.
 - d. The Contractor shall indemnify, defend, and save harmless the City of Rochester and its agents and employees from and against any suit, action or claim of loss or expenses because of bodily injury. Including death at any time resulting there from, sustained by any person or persons or on account of damage to property, including loss of use thereof, whether caused by or contributed to by said City of Rochester, its agents, employees or others.

ACCIDENT PROTECTIONS

It is a condition of this Contract, and shall be made a condition of each subcontract entered into pursuant to the Contract. That a Contractor and any Subcontractors shall not require any laborer or mechanic employed in the performance of the Contract to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to health or safety, as determined by construction safety and health standards of the Occupational Safety and Health Administration, United States Department of Labor, which standards include, by reference, the established Federal Safety and Health regulations for Construction. These standards and regulations comprise Part 1910 and Part 1926 respectively of Title 29 of the Code of Federal Regulations and are set forth in the Federal Register. In the event any revisions in the Code of Federal Regulations are published, such revisions will be deemed to supersede the appropriate Part 1910 and Part 1926, and be effective as of the date set forth in the revised regulation.

SUBCONTRACTS

1. Nothing contained in the Specifications or Drawings shall be construed as creating any contractual relationship between any Subcontractor and the City of Rochester. The Division or Sections of the Specifications are not intended to control the Contractor in dividing the work among Subcontractors or to limit the work performed by any trade.

2. The Contractor shall be as fully responsible to the City of Rochester for the acts and omissions of Subcontractors and of persons employed by her/him, as she/he is responsible for the acts and omissions of persons directly employed by her/him.

PROTECTION OF WORK AND PROPERTY

The Contractor shall, at all times, safely guard the City's property from injury or loss in connection with this Contract. She/he shall, at all times, safely guard and protect her/his own work and that of adjacent property from damage. All passageways, guard fences, lights and other facilities required for protection by State or Municipal laws, regulations and local conditions must be provided and maintained.

USE OF PREMISES AND REMOVAL OF DEBRIS

The Contractor expressly undertakes at his own expense:

1. To take every precaution against injuries to persons or damage to property;
2. To comply with the regulations governing the operations of premises which are occupied and to perform his Contract in such a manner as not to interrupt or interfere with the operation of the Institution;
3. To perform any work necessary to be performed after working hours or on Sunday or legal holidays without additional expense to the City, but only when requested to do so by the City;
4. To store his apparatus, materials, supplies and equipment in such orderly fashion at the site of the work as will not unduly interfere with the progress of his work or the work of any other Contractors;
5. Daily to clean up and legally dispose of (away from the site), all refuse, rubbish, scrap materials and debris caused by his operation. Including milk cartons, paper cups and food wrappings left by his employees, to the end that at all times the site of the work shall present a neat, orderly and workmanlike appearance;
6. All work shall be executed in a workmanlike manner by experienced mechanics in accordance with the most modern mechanical practice and shall represent a neat appearance when completed.

MATERIALS AND WORKMANSHIP

1. Unless otherwise specified, all materials and equipment incorporated into the work under the Contract shall be new. All workmanship shall be first class and by persons qualified in their respective trades.
2. Where the use of optional materials or construction method is approved, the requirements for workmanship, fabrication and installation indicated for the prime material or construction method shall apply wherever applicable. Required and necessary modifications and adjustments resulting from the substitution or use of an optional material or construction method shall be made at no additional cost to the City.

STANDARDS

1. Materials specified by reference to the number, symbol or title of a specific standard, such as a Commercial Standard, a Federal Specification, Department's Standard Specifications, a trade association standard or other similar standard. Shall comply with requirements in the latest revision thereof and any amendment or supplement thereto in effect on the date of advertisement, except as limited to type, class or grade or modified in such reference.
2. Reference in the Specifications to any article, device, product, material, fixture, form or type of construction by name, make or catalog number shall be interpreted as establishing a standard of quality and shall not be construed as limiting competition. In such cases the Contractor may, at his option, use any articles, device, product, material fixture, form or type of construction that, in the judgment of the City expressed in writing to all Bidders before opening of bids as an addendum, is an acceptable substitute to the specified.
3. Substitution During Bid Time: Whenever any particular brand or make of material or apparatus is called for in the Specifications, a Bidder's Proposal must be based upon such material or apparatus, or upon a brand or make which has been specifically approved as a substitution in an Addendum issued to all Bidders during the bidding time.
4. The intent is that the brand or make of material or apparatus that is called for herein establishes a standard of excellence that, in the opinion of the Consultant and Engineer, is necessary for this particular Project.
5. Substitution After Bid Opening: No substitutions will be considered after bids have been opened unless necessary due to strikes, lockouts, bankruptcy or discontinuance of manufacture, etceteras. In such cases, the Contractor shall apply to the City, in writing within ten (10) days of his realizing his inability to furnish the article specified, describing completely the substitution he desires to make.

EXTRAS

Except as otherwise herein provided, no charge for any extra work or material will be allowed unless the Director of Public Works has ordered the same, in writing.

GUARANTEE OF WORK

1. Except as otherwise specified, all work shall be guaranteed by the Contractor against defects resulting from the use of inferior materials, equipment or workmanship for one (1) year from the Date of Final Acceptance.
2. Make good any work or material, or the equipment and contents of said building or site disturbed in fulfilling any such guarantee.
3. In any case, wherein fulfilling the requirements of the Contract or of any guarantee, should the Contractor disturb any work guaranteed under another contract, the Contractor shall restore such disturbed work to a condition satisfactory to the Director of Public Works. And guarantee such restored work to the same extent as it was guaranteed under such other contracts.
4. If the Contractor, after notice, fails to proceed promptly to comply with the terms of the guarantee, the City of Rochester may have the defects corrected and the Contractor shall be

liable for all expense incurred.

5. All special guarantees applicable to definite parts of the work that may be stipulated in the Specifications or other papers forming a part of the Contract shall be subject to the terms of this paragraph during the first year of the life of such special guarantee.

DEFAULT AND TERMINATION OF CONTRACT

If the Contractor:

1. Fails to begin work under Contract within the time specified in the notice to proceed; or
2. Fails to perform the work with sufficient workers and equipment, or with sufficient materials to assume prompt completion of said work; or
3. Performs the work unsuitably or neglects or refuses to remove materials or to perform anew such work as may be rejected as unacceptable and unsuitable; or
4. Discontinues the prosecution of the work; or
5. Fails to resume work, which has been discontinued, within the time frames included in specifications; or
6. Becomes insolvent or has declared bankruptcy, or commits any act of bankruptcy or insolvency; or
7. Makes an assignment for the benefit of creditors; or
8. For any other causes whatsoever, fails to carry on the work in an acceptable manner the City of Rochester will give notice, in writing, to the Contractor for such delay, neglect, and default.

If the Contractor does not proceed in accordance with the Notice, then the City of Rochester will have full power and authority without violating the Contract to take the prosecution of the work out of the hands of the Contractor. The City of Rochester may enter into an agreement for the completion of said Contract according to the terms and conditions thereof, or use such other methods as in the City's opinion will be required for the completion of said Contract in an acceptable manner.

All extra costs and charges incurred by the City of Rochester as a result of such delay, neglect or default, together with the cost of completing the work under the Contract will be deducted from any monies due or which may become due to said Contractor. If such expenses exceed the sum which would have been payable under the contract, then the Contractor shall be liable and shall pay to the City of Rochester the amount of such excess.

OBTAINING BID RESULTS

Bid results will be available on the website at www.rochesternh.net within 48 hours of the bid opening.

OUTLINE SPECIFICATIONS

Rochester City Hall
Rochester, NH
September 14, 2015

A. General Requirements and Scope of Work

1. The following outline specification covers the scope of work as outlined below:
 - a. New steel beam under existing steel beam:
 - (1) Carefully remove 5-layer gypsum board from shaft wall as needed to access shaft for new beam installation.
 - (2) Check to determine whether shaft wall is supporting any framing or loads. Temporarily shore any framing or loads the shaft wall supports.
 - (3) Remove shaft wall studs.
 - (4) Cut fire rated gypsum board off of existing columns for depth of new beam connections plus an extra 12". Make the cut so that new gypsum board can be added neatly butted into existing with an extra layer over the butt joint. Also cut gypsum board off bottom of existing beam where new shims to be inserted.
 - (5) Locally grind away paint and weld clip angles or tabs to faces of existing columns to receive new steel beams.
 - (6) Install new steel beam with shop welded stiffeners. Field Bolt to shear tabs. If backside of bolted connection is inaccessible then pre-weld bolts shear tabs.
 - (7) Install new steel shim plate between top of new beam, field tack weld or bolt to new and existing beams.
 - (8) Re-wrap existing columns, new beam, shim, bottom of existing beam with gypsum board to match fire protection of original system. Replicate fastening of original system. No steel to be exposed.
 - (9) Re-build shaft wall to match original with new or salvaged studs, 5 layers of gypsum board to match original, paint and decorative trim to match original. New items to match all existing materials, sizes, and types.
 - (10) Repaint with primer and finish coats and re-attach any removed trim work to match pre-work conditions.
 - b. Site Work:
 - (1) Restore site to pre-work conditions
2. All structural work shall be coordinated with that of related trades. Structural drawings and sketches shall be used in conjunction with existing conditions data.

3. All means and methods of construction shall be the sole responsibility of the contractor, including all temporary bracing, support and protection of the new and existing structure as required to maintain safe and stable conditions. Any sequences of work or methods indicated or implied in the contract documents are present only as assumptions on which the design of the permanent installations were based and are to be considered as suggested options for review by the contractor.
4. The contractor shall be responsible for all temporary shoring of the existing and new structure during the work, and for temporary protection of the surrounding environs.
5. Field-verify all existing conditions and dimensions and coordinate all dimensions. Notify the designer of any discrepancies that would affect the installation as shown.
6. All structural work shall be done in such a way as not to disrupt or damage existing services or utilities in the building. All wiring and any hidden plumbing to be avoided and protected.
7. Identify any electrical lines or ducts that must be cut or temporarily moved and coordinate with the owners the personnel to perform this work. At the owner's direction, be prepared to hire the necessary subcontractors (electrical and/or HVAC) to perform the work, in the event that the owners will not self-perform the work or retain their own contractors to do this.
8. All work shall conform to:
 - a. The New Hampshire State Building Code (2009 International Building Code with New Hampshire amendments).
 - b. AWS Structural Welding Code
 - c. AISC Specification for the Design, Fabrication, Erection of Structural Steel for Buildings.
9. File all necessary building and access permits and make notifications to governing authorities including the local Building Department as necessary.
10. Leave the area of work in a clean and usable fashion after work is complete. Completed work is to match existing conditions.
11. Provide schedule of work to owner and engineer in order to schedule inspections. An independent testing agency shall be hired by the owner to inspect all welds and bolted connections. The contractor shall not proceed with any work which otherwise conceals items scheduled for inspection until inspection has been completed.
12. Coordinate maintenance of public access to the Council Chambers Room on one side of the work area, protected from the work, with the owners. Protect all computer equipment, records and desktop items during work, cleaning up the area at the end of each work period.

13. The Contractor shall be aware that all work is being done on an occupied building structure with on-going daily operations. Work shall be completed rapidly, but as carefully and safely as possible, in order to minimize disruption to the patrons and personnel within the work area. The Contractor shall coordinate with the owners regarding access and working hours to ensure that any disruptions created by this work are minimized.
14. All details shall be considered typical and applicable to all similar conditions unless otherwise noted or indicated.
15. The contractor shall coordinate the following with the owner:
 - a. Toilet and bathroom facilities use.
 - b. Telephone service.
 - c. Electrical Service for Contractor's Use.
 - d. Water Service for Contractor's Use.
 - e. Laydown areas for Contractor's use for storage of materials and construction debris.
 - f. Staging areas for set-up for work- Contractor to provide sketch of anticipated requirements for approval by owner before work starts.
 - g. Vehicle parking.
 - h. Use of Boom Boxes and radios.
 - i. Temporary storage of construction debris- Remove all debris at the end of each workday.
 - j. Containers and disposal of ordinary trash including coffee cups, lunch bags, etc.- Contractor shall provide barrels and bags for this purpose. Site and work shall be neat and clean at all times.
 - k. Protection measures required by the owner for unusual items (if any).
 - l. Permitted smoking locations.
 - m. Permitted days for Work.
 - n. Permitted hours for Work.
 - o. Emergency Fire suppression.

B. Temporary Shoring and Bracing

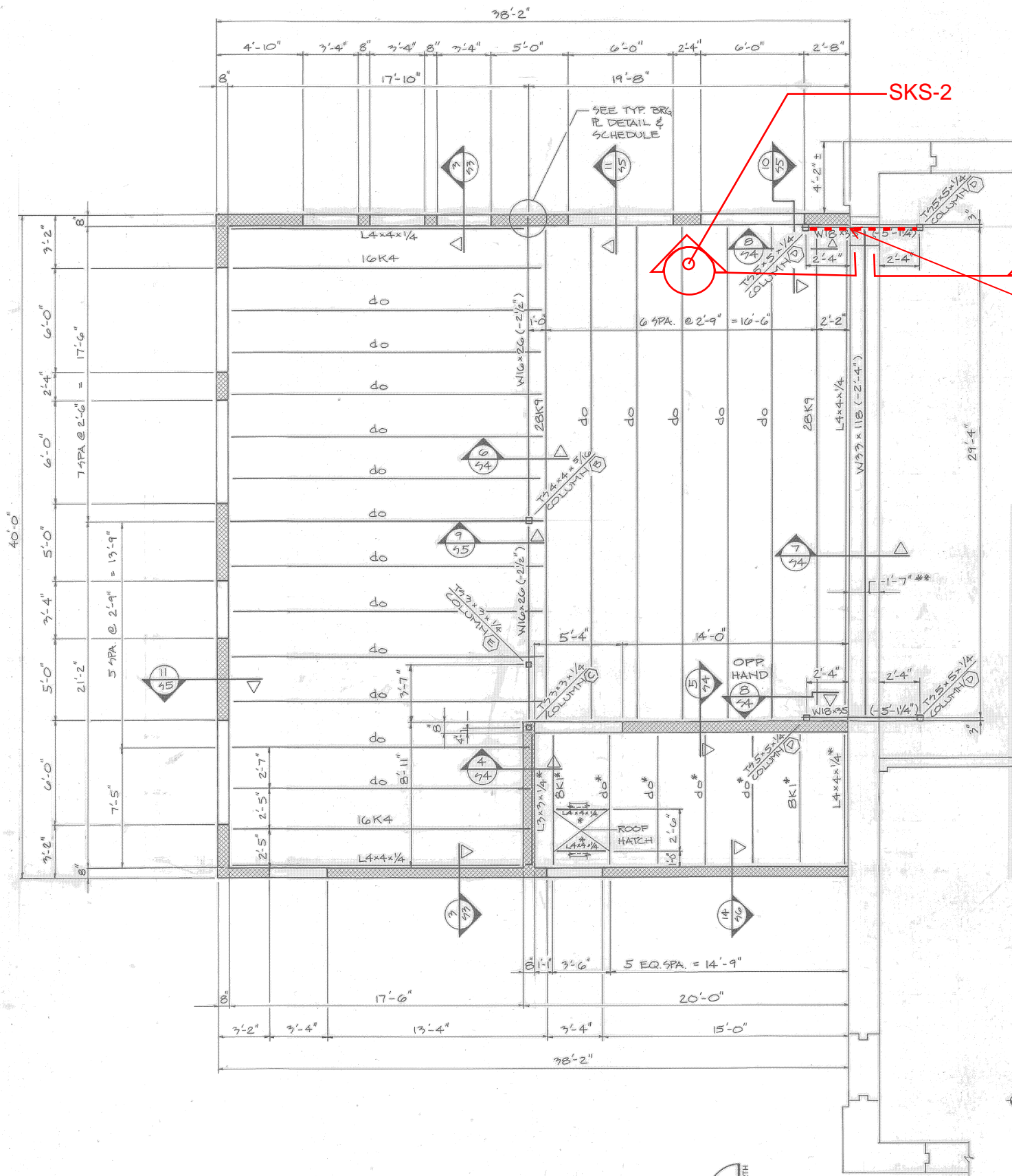
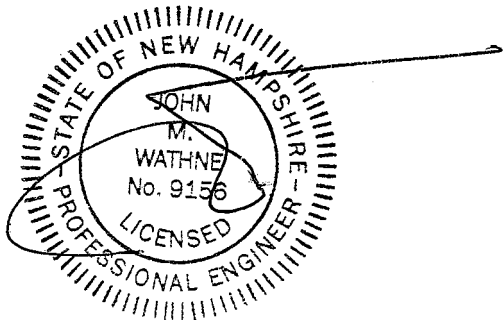
1. Provide and install temporary shoring designed to support the temporary structural loads of the supported items.
2. Shoring shall be of any material which is suitable for the application. Timber shoring shall be fully dried and all end grain shall be sealed to prevent absorption of water and associated swelling. Shoring shall be made stable, stiff, and snug fitting so as not to deflect under load. Pre load supported elements for snug fit only. Shoring shall deflect no more than the given span length divided by 600.

C. Structural Steel and Metal Fabrications:

1. Structural steel work shall conform to “Specification for structural steel buildings” (AISC ASD 1989), or Load and Resistance Factor Design (LRFD), latest edition, “Code of Standard Practice for Steel Buildings and Bridges”, and Structural Welding Code – Steel (AWS D1.1).
2. Structural steel shall be new steel conform to the following:
 - a. Rolled steel shapes and plates: A572 Grade 50
 - b. High strength bolts: ASTM A325
 - c. Welding electrodes: AWS E70-XXF:
3. Bolted connections shall be tightened and field welds shall be made after steel has been plumbed and aligned.
4. All welding to existing members shall be done incrementally to avoid heating and yielding loaded members. Steel and wrought iron members may be carefully welded, cast iron members shall not be welded.
5. All shop and Field applied full penetration groove welds shall be tested for the their full lengths using ultrasonic testing methods by a certified inspection agency, paid for by the owner.
6. Submit shop drawings for structural steel. Work shall be done from approved submittals only.

END OF OUTLINE SPECIFICATIONS

(Crocker Ct side)



SECOND FLOOR FRAMING PLAN
1/8"=1'-0"

SKS-2

SKS-2 SIMILAR,
OPP. HAND

NEW ASTM A992 GRADE 50 W18x50 STEEL BEAM
CENTERED UNDER EXIST. W18x35 ABOVE. FASTEN
EACH END TO EXIST TS5x5x1/4 COLUMNS AND SHIM
BETWEEN TOP FLANGE OF NEW W18x50 AND
BOTTOM FLANGE OF EXISTING W18x35 PER SKS-2.
WRAP ALL STEEL FRAMING IN FIRE-RATED GYPSUM
BOARD TO MATCH EXISTING FIRE-RATING
PROPERTIES OF EXISTING TYPE-X GYP BOARD
WRAP.

NOTE:
- BLACK/GRAY INDICATES EXISTING
FRAMING AS SHOWN ON BY SALMON
FALLS ARCHITECTURE DATED MARCH 1,
1989.
- RED INDICATES NEW FRAMING.

Partial 2nd Floor framing Plan

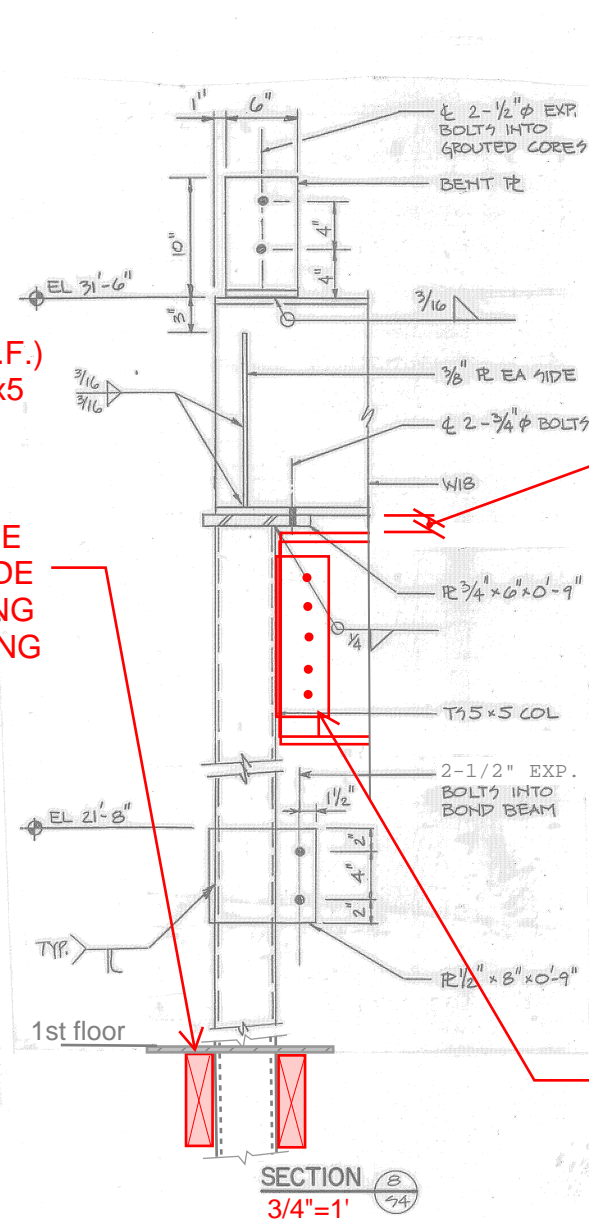
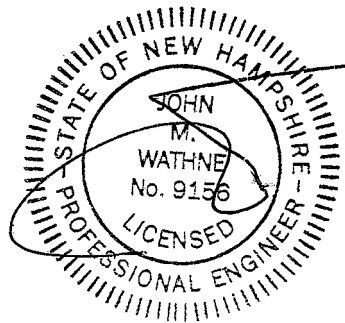
1/8"=1'-0" (hen plotted at 1:1 scale on 11x17 paper)

Rochester City Hall
Rochester, NH
9/14/2015

Structures North
CONSULTING ENGINEERS, INC.

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Salem, Massachusetts 01970-3517
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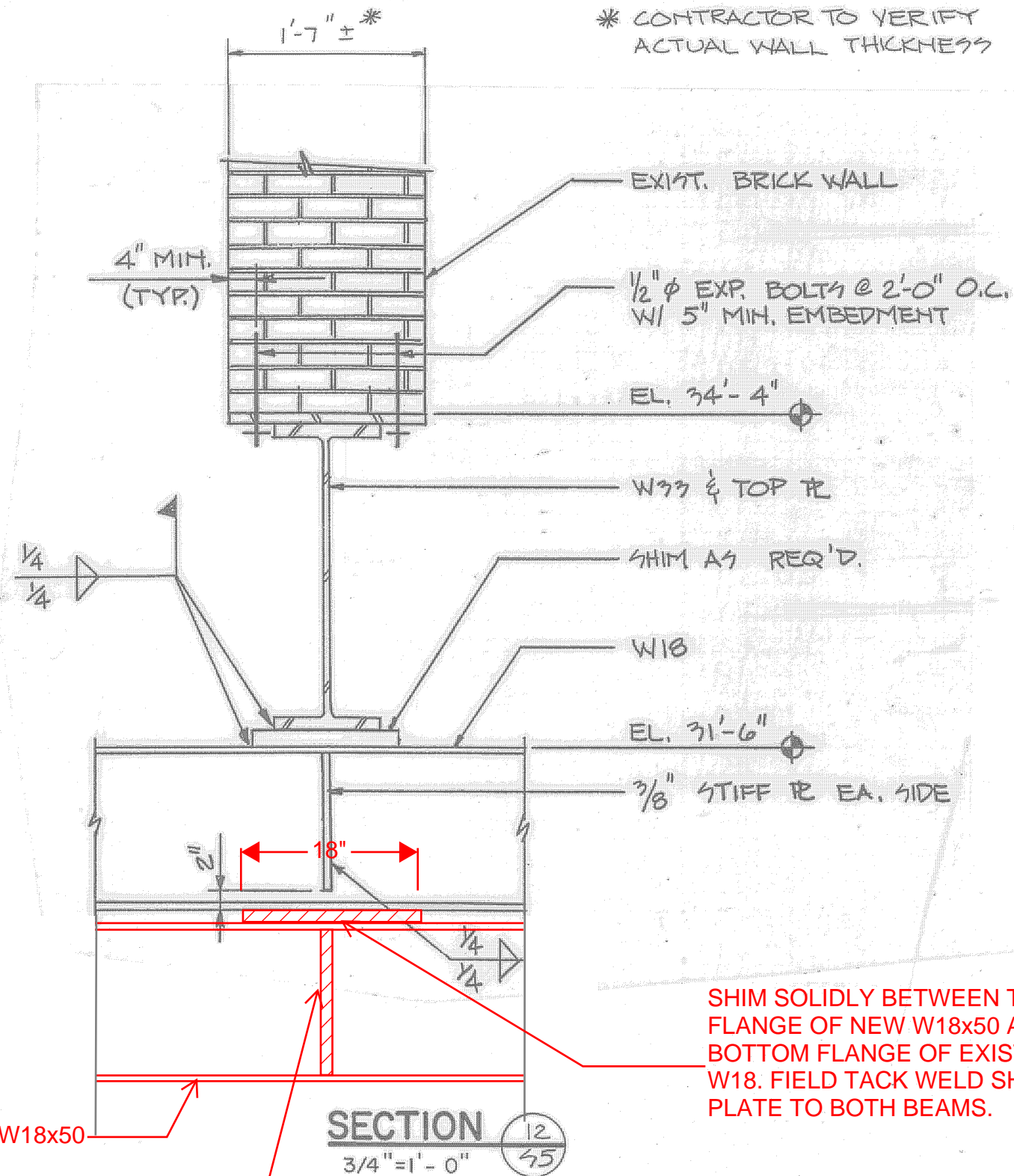
SKS-1



VERIFY IN FIELD (V.I.F.) THAT EXISTING TS5x5 COLUMN HAS SOLID BLOCKING WITHIN FLOOR FRAMING TIGHT TO EACH FACE OF COLUMN. PROVIDE NEW SOLID BLOCKING IF EXISTING BLOCKING IS NOT OBSERVED.

V.I.F. DISTANCE NEEDED TO CLEAR EXISTING BOLTS

NEW 1/2" SHEAR TAB WELDED TO FACE OF EXIST. TS5x5 WITH MIN. (5)-1" DIA. BOLT CONNECTION TO NEW W18. FIELD WELD TO TS COLUMN WITH MINIMUM 1/4" FILLET E70XX WELDS BOTH SIDES. IF EXTERIOR SIDE INACCESSIBLE, USE FULL PEN WELDS FROM INSIDE FACE.



SHIM SOLIDLY BETWEEN TOP FLANGE OF NEW W18x50 AND BOTTOM FLANGE OF EXISTING W18. FIELD TACK WELD SHIM PLATE TO BOTH BEAMS.

NOTE:
- BLACK/GRAY INDICATES EXISTING FRAMING AS SHOWN ON BY SALMON FALLS ARCHITECTURE DATED MARCH 1, 1989.
- RED INDICATES NEW FRAMING.

Sections and Details
3/4"=1'-0" (When plotted at 1:1 scale on 11x17 paper)

Rochester City Hall
Rochester, NH
9/14/2015

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SKS-2