

Notice of Request for Bids

Village of North Collins

**North Collins Fire Department
Overhead Door Replacement & Renovations**

Bid Opening Date & Time: May 15, 2017 @6:30pm

Village of North Collins
PO Box 459
10543 Main Street
North Collins, NY 14111
(716) 337-3160

1. Definitions: The following words and phrases, when used in this Request for Proposal document, shall have the meanings specified:

Bidder: The person, firm or corporation submitting a bid.

Village: The Village of North Collins, New York

2. Request for Bids. The Village of North Collins is seeking bids for AFire Company Doors and Building Repairs@ project at 10543 Main Street, North Collins, New York 14111. The Bidder shall be responsible for performing all work as outlined in the specifications attached hereto and shall provide and furnish all labor, materials, equipment and supplies, vehicles and transportation services required to perform and complete the required work in accordance with the project specifications. The Bidder desiring to furnish a bid for such work shall submit a *sealed proposal* in accordance with the specifications outlined herein.

All Bids shall be submitted in a sealed envelope addressed to the Village of North Collins (*Attn: Fire Door Expansion*) and shall be submitted to the Village Clerk, PO Box 459, 10543 Main St, North Collins, New York 14111 no later than 4:00 p.m. on May 15, 2017. All bids will be opened in public by the Village Board at 6:30pm on May 15, 2017 at the Regular Board Meeting.

3. Village Discretion to Reject Bids. The Bidder acknowledges the right of the Village to reject any and all proposals and to waive informality or irregularity in any proposal received. The Bidder further recognizes the right of the Village to reject any proposal if the Bidder fails to furnish any required data required or if the proposal is in any way incomplete. The Village shall be the sole judge of compliance with these specifications and reserves the right to accept or reject any and all proposals or parts thereof.
4. Investigation by Bidders. It shall be the responsibility of the Bidder to thoroughly read and understand the information, specifications and requirements. The Village will assume the submission of the bid means the Bidder has familiarized itself with all conditions, requirements and specifications and intends to comply with them unless specifically noted otherwise in writing.
5. Minimum Specifications. The specifications included in this package describe the services which the Village feels are necessary to meet its performance requirements and shall be considered to be the minimum standards expected of the Bidder. If for any reason the Bidder is unable to meet any of the specifications as outlined therein, it shall separately list all requested deviations from the specifications with explanations attached for each deviation. If the Bidder does not indicate alternatives to or deviations from the

specifications, the Village shall assume it is able to fully comply with these specifications. The Village reserves the absolute right to determine the acceptability of any and all alternatives or deviations and to negotiate the effects and costs of such alternatives and deviations prior to reaching a decision regarding the award of the contract. The Village shall be the sole and final judge as to whether any alternative or deviations is of an equivalent of better quality of service. The Village further reserves the right to change or clarify bid specifications during the bidding process and to disseminate to all bidders notice of all adjustments.

6. Taxes, Licenses & Fees. Prices shall not include any local, state or federal tax. The Village is exempt by law from paying such taxes. The Village will supply the successful Bidder with its tax exemption number upon request. The Bidder shall be responsible for obtaining any necessary license or permit for the successful performance of the contract.
7. Compliance with Applicable Laws. The Bidder shall comply with all applicable federal, state and municipal laws, ordinances, rules and regulations governing the Project and during the term of the contract if awarded to Bidder. This shall include Prevailing Wage laws, certification of payroll requirements, and any other laws that may be applicable to this project.
8. Competency of Bidders. The submission of a bid by Bidder shall not be construed as acceptance by the Village of the Bidder as being a qualified, responsible Bidder. The Village reserves the right to determine the competence and financial and operational capacity of any bidder. The Village reserves the right to request additional documentation as may be required by the Village in order to evaluate the suitability of any Bidder.
9. Proper Completion of Bid Documents. Bid documents must be signed by an officer or authorized employee of the bidder having authority to bind the company or firm by his/her signature.
10. Award of Contract. A contract for the described work may be awarded to the lowest responsible and qualified Bidder as determined by the Village, keeping in mind the Village will act in such a way as the Village determines to be the most advantageous to and in the best interests of the Village. The Village unequivocally reserves the sole right to reject any and all bids; to waive formalities, technical deficiencies and irregularities, to solicit new bids or to otherwise solicit proposals or quotations if some other manner of negotiation better serves the interests of the Village. All specifications and conditions outlined herein shall be incorporated as part of the final written and signed contract with the successful Bidder.
11. References. The Bidder shall provide at least three (3) references as provided herein.
12. Independent Contractor. The Bidder acknowledges that it is an independent contractor and that none of its employees, agents, directors, officers or shareholders are employees

of the Village. The Bidder shall be solely responsible for all unemployment, social security and other payroll tax payments required by law.

13. Non-Assignment. The Bidder shall not assign or subcontract any rights or interest under the contract or any part thereof to any third party without prior written consent of the Village.
14. Payment. Payment to the contracted Bidder will be processed and made when the entire project is completed and fully performed by the bidder. Final payment shall be made by the Village within forty days after the issuance of the final certificate of payment and approval by the Engineers and the Supervisor of the Village Department of Public Works that all work is deemed completed. The contractor must submit a final voucher when requesting payment.
15. Standard Bonding Requirements. (A) Performance. The successful bidder shall furnish a performance bond equal to the amount of the contract amount, acceptable to the Village, within 14 days after notification of the contract award. Such performance bond shall be issued by a surety company licensed to do business in the State of New York with a general rating of A minus or better in Best's Insurance Guide. (B) Bid Bond. A bid bond for not less than 5 percent of the bid amount must accompany all bids as a guarantee that if the bid is accepted, the Bidder will execute and file the proper contract. An official bank check or certified check equal to the amount specified is an acceptable alternative in lieu of a bid bond. The successful Bidder's security shall be retained until the required performance bond has been furnished.
16. Insurances & Indemnification. The Bidder shall procure and maintain for the duration of the Contract insurance against all claims for injuries and/or damage to property which may arise from the performance of all work hereunder to be performed by the Bidder, its agents, representatives, employees or subcontractors. The Village of North Collins is to be listed as an additional insured on all policies. Each insurance policy required shall have the Village expressly endorsed onto the policy as a Cancellation Notice Recipient. The Village is to be covered as additional insured as respects all liability arising out of the Bidder's work hereunder. The Bidder's insurance coverage shall be primary to any other insurance. The Bidder shall maintain limits of not less than the following: 1) Commercial General Liability with coverage written on an Aoccurrence@ basis with limits no less than a) \$2,000,000 General Liability Coverage b) Bodily Injury & Property Damage of \$2,000,000 per occurrence combined single limit; c) Other coverages of \$2,000,000 or otherwise approved by the Village. Coverages shall include Premises Operations, Personal Injury, Broad Form Property Damage, Bodily Injury and Property Damage, Worker's Compensation and Employer's Liability of \$2,000,000 per occurrence, Business Auto Liability with a combined single limit of not less than \$2,000,000 for all vehicles owned, non-owned or used by Bidder. The Bidder shall furnish the Village with all necessary Certificates of Insurance naming the Village.

17. Indemnity & Hold Harmless Provisions. To the fullest extent permitted by law, the Bidder hereby agrees to defend, indemnify and hold harmless the Village from all injuries, deaths, loss, damage, claims, suits, liabilities, judgments, costs and expenses, which may in any way accrue against the Village arising in whole or in part of the performance of this work by the Bidder or which may in any way result arising out of the performance or non-performance of the Bidder for all work contemplated herein. The Bidder expressly understands and agrees that any performance bond or insurance policies required by this contract or otherwise provided by the Bidder shall in no way limit the responsibility of the Bidder to indemnify, keep and save harmless and to defend the Village as provided herein.
18. Copies of plans and drawings prepared by Clark Patterson Lee, Architecture, Engineers and Planning are available for inspection at the Village Clerk's Office.
19. Contractor shall keep the premises free from accumulations of waste materials, rubbish and other debris resulting from the work. Contractor shall maintain the premises and work site in a clean, orderly and safe condition. Upon completion of work, Contractor shall remove all waste materials, rubbish and debris from the premises as well as all tools, construction equipment and materials. At Contractor's expense, Contractor shall repair any and all damage that may have occurred to any property (real or personal) by reason of the work. Contractor shall restore the premises to its original condition and shall notify the Village of any discrepancies.
20. Contractor shall conform to the Occupational Safety & Health Standards of the U.S. Department of Labor and all other federal, state and local laws, ordinances and regulations applicable to the work.
21. Upon completion of all work, a final inspection shall be scheduled between the Contractor and the Village to inspect and certify to satisfactory completion of all work.
22. Payment shall be due within forty days after receipt of final voucher and bill from the Contractor after completion of work. There shall be no installment payments. Payment is not due until all work satisfactorily completed.
23. Work cannot commence until June 1, 2017 and must be completed no later than October 31, 2017.

BID CERTIFICATION FORM

Contractor's Contact Information:

Name: _____

Address: _____

Phone: _____

Email: _____

1. Cost of Work: The undersigned hereby affirms and agrees to enter into a contract with the Village of North Collins, New York and to provide all supervision, labor, material, equipment and any other expense item required in order to perform completely the entire work covered by all specifications for the entire project

FOR THE LUMP SUM OF _____
_____ DOLLARS (\$_____)

2. Costs & Compliance. The undersigned affirms that the prices quoted herein constitute the total cost to the Village for all work and associated costs. All bids shall be held valid for a period of 60 days after the bid due date. The undersigned also certifies that this Bid is in compliance with all other applicable federal, state and local laws.

Dated: _____

Name of Bidder: _____

By (Signature): _____

Print Name &
Title of Signor: _____

STATEMENT OF NON-COLLUSION IN BID PROPOSAL
General Municipal law '103-d

By submission of this bid, the undersigned hereby certifies, and in the case of a joint bid, each party thereto certified as to its own organization, under penalty of perjury, that to the best of our knowledge and belief:

(1) The prices in this bid have been arrived at independently without collusion, consultations, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;

(2) Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor;

(3) No attempt has been made or will be made by the bidder to induce any other person, partnership, corporation or entity to submit or not to submit a bid for the purpose of restricting competition;

(4) This bid complies in all respects with Article 5-A of the New York General Municipal Law.

Dated: _____

Name of Bidder: _____

By (Signature): _____

Print Name &
Title of Signor: _____

Village of North Collins

Project Specifications

1. Village of North Collins is seeking Bids for all labor, materials and equipment necessary to increase the size of the existing garage door openings to the Village Fire Company.
2. **Project Intent:** Increase size of existing garage door openings for improved vehicle access.
3. **Scope of Work:** Remove existing doors, CMU columns and existing steel lintels over door openings. Provide and install new steel lintels, steel support columns and doors. Relocate existing electrical and pneumatic lines currently located on West wall. Relocate various items on or in front of West wall.
4. **Specifications:**

DOOR SPECIFICATION: OVERHEAD DOORS SHALL BE THERMACORE MODEL 594 DOORS BY OVERHEAD DOOR COMPANY AS BASIS OF DESIGN INCLUDING ELECTRIC OPERATORS AND CONTROLS, OPERATING HARDWARE, TRACKS, AND SUPPORT. WITH THE FOLLOWING REQUIREMENTS ACCEPTABLE MANUFACTURERS: OVERHEAD DOOR COMPANY, CLOPAY BUILDING PRODUCTS, WAYNE DALTON

SPRING COUNTERBALANCE: SIZED TO WEIGHT OF THE DOOR, WITH A HELICALLY WOUND, OIL TEMPERED TORSION SPRING MOUNTED ON A STEEL SHAFT; CABLE DRUM OF DIECAST ALUMINUM WITH HIGH STRENGTH GALVANIZED AIRCRAFT CABLE. SIZED WITH A MINIMUM 7 TO 1 SAFETY FACTOR. HIGH CYCLE SPRING: 100,000 CYCLES.

INSULATION: CFC-FREE AND HCFC-FREE POLYURETHANE, FULLY

ENCAPSULATED. THERMAL VALUES: R-VALUE OF 12.76; U-VALUE OF 0.078.

PARTIAL GLAZING OF STEEL PANELS: 1/4 INCH (6 MM) CLEAR LEXAN GLAZING.

FINISH AND COLOR: TWO COAT BAKED-ON POLYESTER: INTERIOR COLOR, WHITE. EXTERIOR COLOR AS SELECTED BY OWNER FROM STANDARD COLORS

LOCK: KEYED LOCK WITH INTERLOCK SWITCH FOR AUTOMATIC OPERATOR.

WEATHERSTRIPPING: EPDM BULB-TYPE STRIP AT BOTTOM SECTION. FLEXIBLE JAMB SEALS. FLEXIBLE HEADER SEAL.

TRACK: PROVIDE TRACK AS RECOMMENDED BY MANUFACTURER TO SUIT LOADING REQUIRED AND CLEARANCES AVAILABLE.

SIZE: 2 INCH (51 MM). LOW HEADROOM.

ELECTRIC MOTOR OPERATION: PROVIDE UL LISTED ELECTRIC OPERATOR, SIZE AND TYPE AS RECOMMENDED BY MANUFACTURER TO MOVE DOOR IN EITHER DIRECTION AT NOT LESS THAN 2/3 FOOT NOR MORE THAN 1 FOOT PER SECOND. OPERATOR SHALL MEET UL325/2010 REQUIREMENTS FOR CONTINUOUS MONITORING OF SAFETY DEVICES.

A. ENTRAPMENT PROTECTION: REQUIRED FOR MOMENTARY CONTACT, INCLUDES RADIO CONTROL OPERATION.

PNEUMATIC SENSING EDGE UP TO 18 FEET (5.5 M) WIDE. CONSTANT CONTACT ONLY COMPLYING WITH UL 325/2010.

B. OPERATOR CONTROLS:

PUSH-BUTTON OPERATED CONTROL STATIONS WITH OPEN, CLOSE, AND STOP BUTTONS. SURFACE MOUNTING. INTERIOR LOCATION.

C. SPECIAL OPERATION: RADIO CONTROL OPERATION.

VERIFY WALL OPENINGS ARE READY TO RECEIVE WORK AND OPENING DIMENSIONS AND TOLERANCES ARE WITHIN SPECIFIED LIMITS

VERIFY ELECTRIC POWER IS AVAILABLE AND OF CORRECT CHARACTERISTICS.

FIT AND ALIGN DOOR ASSEMBLY INCLUDING HARDWARE. ADJUST DOOR ASSEMBLY TO SMOOTH OPERATION AND IN FULL CONTACT WITH WEATHERSTRIPPING.

GENERAL NOTES:

1. THE STRUCTURE SHOWN ON THESE DRAWING IS SOUND ONLY IN ITS COMPLETED FORM. THE CONTRACTOR SHALL TEMPORARILY BRACE THE STRUCTURE AND ITS COMPONENTS TO RESIST ALL LATERAL FORCES DURING CONSTRUCTION.

2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS SHOWN ON THE DRAWINGS AND IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO ORDERING OR FABRICATING MATERIALS OR OTHERWISE PROCEEDING WITH THE WORK.

3. PROVIDE ALL LABOR, MATERIAL, EQUIPMENT AND SERVICES REQUIRED TO EXECUTE AND COMPLETE ALL ITEMS OF WORK AS SHOWN OR INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN, INCLUDING INCIDENTAL ITEMS TO EFFECT A FINISHED AND COMPLETE JOB, EVEN THOUGH SUCH ITEMS ARE NOT SHOWN OR PARTICULARLY MENTIONED.

4. ALL STRUCTURAL WORK, INCLUDING MATERIAL STRESSES AND METHODS OF CONSTRUCTION, SHALL BE IN COMPLIANCE WITH THE 2010 BUILDING CODE OF NEW YORK STATE THE UNIFORM BUILDING CODE, OSHA AND GOVERNING AGENCIES HAVING JURISDICTION.

5. CONTRACTOR SHALL MAINTAIN SAFE PUBLIC ACCESS TO AND FROM ALL BUILDING EXITS AT ALL TIMES.

6. CONTRACTOR SHALL USE CONSTRUCTION METHODS THAT ARE IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

7. CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR ADEQUATELY SHORING EXISTING CONSTRUCTION WHILE PERFORMING NEW WORK AND SUBMIT STAMPED SHORING DRAWINGS.

8. DIMENSIONS ARE NOT TO BE DERIVED BY SCALING THESE DRAWINGS. IF THERE ARE ANY QUESTIONS REGARDING DIMENSIONS, CONTACT THE ARCHITECT/ENGINEER FOR INFORMATION PRIOR TO SUBMITTING SHOP DRAWINGS.

9. THE CONTRACTOR SHALL COORDINATE ALL STRUCTURAL WORK WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS, AND WITH THE WORK OF ALL OTHER TRADES.

10. MATERIAL AND EQUIPMENT STORAGE SHALL BE ON SITE AND AS DIRECTED BY OWNER.

11. MAINTAIN PREMISES AND PUBLIC PROPERTIES FREE FROM ACCUMULATIONS OF WASTE MATERIALS, DEBRIS AND RUBBISH CAUSED BY OPERATIONS.

12. AFTER COMPLETION OF WORK, CONTRACTOR SHALL REMOVE ALL WASTE MATERIALS, RUBBISH, TOOLS, AND SURPLUS MATERIALS AND CLEAN SIGHT EXPOSED SURFACES. CONSTRUCTION SITE SHALL BE ORGANIZED AND CLEANED UP BY CONTRACTOR ON A DAILY BASIS.

13. THE CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION ALL SITE APPURTENANCES DAMAGED UNDER THIS CONTRACT AT NO ADDITIONAL COST TO THE OWNER.

14. ALL MATERIAL SCHEDULED FOR DEMOLITION SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS NOTED OTHERWISE AND SHALL BE DISPOSED OF LEGALLY.

15. ALL DETAILS, SECTIONS AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE, UNLESS SPECIFICALLY SHOWN OTHERWISE.

CONCRETE NOTES: GENERAL

1. ALL CONCRETE WORK, CONSTRUCTION AND REINFORCING DETAILS SHALL CONFORM TO THE 2010 BUILDING CODE OF NEW YORK STATE AND "THE SPECIFICATIONS OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS" (ACI-318).

2. ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, U.N.O.

3. ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES" (ACI-315).

4. REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.

5. LAP SPLICES AND EMBEDMENT LENGTHS SHALL CONFORM TO ACI 318 - CHAPTER 12.

6. CLEAR COVER CONCRETE PROTECTION FOR REINFORCING STEEL SHALL BE:

3" - CONCRETE CAST AGAINST EARTH.

2" - FORMED SURFACES IN CONTACT WITH SOIL OR EXPOSED TO WEATHER.

FOUNDATIONS:

1. ALL FOUNDATIONS ARE TO BEAR ON APPROVED BEARING MATERIAL.
2. ALL FOUNDATION EXCAVATIONS ARE SUBJECT TO APPROVAL BY THE OWNER'S REPRESENTATIVE BEFORE ANY CONCRETE IS PLACED.
3. ALL FORMS AND REINFORCING STEEL IN PLACE SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE ANY CONCRETE IS PLACED.
4. NO FOUNDATION SHALL BE PLACED IN WATER OR ON FROZEN GROUND.
5. IN GENERAL, EXTERIOR CONSTRUCTION SHALL BE CARRIED DOWN A MINIMUM OF 4'-0" BELOW FINISHED EXTERIOR GRADE.
6. CENTERLINE OF FOOTINGS, WALLS, GRADE BEAMS, COLUMNS, AND BEAMS SHALL COINCIDE, UNLESS OTHERWISE NOTED.
7. RUB ALL SIGHT EXPOSED CONCRETE AFTER FORMS HAVE BEEN REMOVED.
8. ALL GROUT FOR BASE PLATES SHALL BE NON-SHRINK WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.
9. ANCHOR BOLTS - ASTM F1554, Fy-36 KSI, 3/4" DIAMETER U.N.O.
10. ISOLATION JOINT - ASPHALT IMPREGNATED FILLER STRIP CONFORMING TO ASTM D-944.
11. ALL STEEL COLUMNS BELOW GRADE SHALL BE TWICE COATED WITH A BITUMINOUS COATING.
12. CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE JOB BEFORE COMMENCING WORK. REFER TO ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS AND DETAILS NOT SHOWN. REFER TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR LOCATION AND DIMENSIONS OF ANY OPENING, SLEEVES, INSERTS, SLAB DEPRESSIONS, ETC.
13. EPOXY ANCHORS SHALL BE HIT HY-200 INJECTION ADHESIVE ANCHORS AS MANUFACTURED BY HILTI, INC., TULSA OK (800-879-8000).

MASONRY NOTES (MAY APPLY DEPENDING ON METHOD OF SHORING)

1. MASONRY CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE

"BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES" (ACI-ASCE 530 AND 530.1).

2. ALL CONCRETE BLOCK SHALL CONFORM TO ASTM-C90 GRADE N-I.

TWO CORE BLOCK F'M = 1,900 PSI

3. ALL GROUT SHALL BE NON-SHRINK, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, AS MEASURED IN ACCORDANCE WITH ASTM C-109. GROUT FOR FILLING CELLS SHALL CONFORM TO ASTM C-476. SUBMIT MIX DESIGN FOR GROUT.

4. ALL MORTAR SHALL BE PORTLAND CEMENT, SAND, AND HYDRATED LIME TO CONFORM TO ASTM C270, TYPE S OR TYPE N. NO BAG MIXES ARE ALLOWED. MINIMUM AVERAGE COMPRESSIVE STRENGTH OF MORTAR SHALL BE:

TYPE S - 1,800 PSI - MASONRY FOUNDATION WALLS & PIERS

TYPE N - 750 PSI - BRICK WORK

5. CONCRETE MASONRY UNITS SHALL BE LAID IN RUNNING BOND, UNLESS OTHERWISE NOTED. HORIZONTAL AND VERTICAL JOINTS SHALL HAVE A UNIFORM WIDTH OF 3/8 INCHES. SEE ARCHITECTURAL DRAWINGS FOR OTHER BOND PATTERNS OF VENEER BLOCK.

6. MAINTAIN A MINIMUM OF 1/2" CLEARANCE BETWEEN REINFORCING BARS AND MASONRY. GROUT SHALL BE PLACED IN LIFTS NOT TO EXCEED 4'-0" IN HEIGHT.

7. LADDER TYPE REINFORCEMENT SHALL BE INSTALLED IN BED JOINTS 16" APART VERTICALLY, U.N.O. IN REGULAR TWO CORE BLOCK. REINFORCEMENT SHALL BE CONTINUOUS AND LAPPED AT LEAST SIX INCHES AT SPLICES. REINFORCEMENT SHALL BE SPLICED AT ALL CORNERS AND INTERSECTIONS.

PROVIDE:

W1.7 (9 GAGE) REINFORCEMENT AT 8" CMU WALLS.

W2.8 (3/16"Ø) REINFORCEMENT AT 12" CMU WALLS.

8. GROUT ALL CELLS OF MASONRY UNITS FOR THE FIRST TWO COURSES ABOVE ALL FOUNDATION WALLS AND SLABS. PLACE GROUT IN ALL REINFORCED CELLS. PLACE GROUT IN ALL CELLS THAT ARE TO RECEIVE POST- INSTALLED WEDGE ANCHORS.

9. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60. REINFORCING BARS MARKED "CONTINUOUS" SHALL BE LAPPED 36 BAR DIAMETERS. LAP SPLICES SHALL BE 48 BAR DIAMETERS. EMBEDMENT LENGTHS

SHALL BE 36 BAR DIAMETERS.

10. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING WHERE HORIZONTAL REINFORCING MEETS AT A CORNER OR INTERSECTION.

11. INSTALL LOOSE LINTELS OVER ALL OPENINGS IN EXTERIOR AND INTERIOR NON-BEARING WALLS (SEE SCHEDULE), EXCEPT WHERE OTHERWISE INDICATED ON DRAWINGS. ALL EXTERIOR LINTELS TO BE GALVANIZED.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS." HOT ROLLED STRUCTURAL STEEL SHAPES SHALL CONFORM TO ASTM A36 OR ASTM A572 GRADE 50. HOLLOW STRUCTURAL SHAPES (HSS) SHALL CONFORM TO ASTM A500 GRADE B. ANGLES, CHANNELS, AND OTHER MISCELLANEOUS METALS SHALL CONFORM TO ASTM A36.

2. ALL CONNECTIONS NOT SPECIFICALLY DETAILED ON THE DRAWINGS SHALL BE EITHER WELDED CONNECTIONS, OR BOLTED CONNECTIONS USING ASTM A325X BOLTS.

3. CUTS, HOLES, COPES, ETC., REQUIRED FOR WORK OF OTHER TRADES SHALL BE SHOWN ON SHOP DRAWINGS AND MADE IN THE SHOP. FIELD CUTTING OR BURNING WILL NOT BE PERMITTED.

4. ALL WELDING BOTH SHOP AND FIELD, SHALL BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH AWS SPECIFICATIONS. WELDING ELECTRODES SHALL CONFORM TO ASTM A233, E70-XX. MINIMUM WELD SIZE SHALL BE 1/4 INCHES (FILLET) UNLESS OTHERWISE NOTED. WELDED CONNECTIONS SHALL BE DESIGNED TO BE STRESSED TO LESS THAN 50% OF THEIR ALLOWABLE CAPACITIES.

5. STRUCTURAL STEEL SHALL BE GALVANIZED.

6. AFTER ERECTION, ALL DAMAGED AREAS IN THE SHOP COAT SHALL BE REPAIRED WITH GALVANIZED PAINT.

7. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW.