

S P E C I F I C A T I O N S



***Oxford - USD 358***

***Oxford High School***

***SPORT LOCKERS***

**2020**



HANNEY & ASSOCIATES ARCHITECTS

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**LOCKER Separate Contract at Oxford High School Auditorium**

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**SECTION 00100**

**INVITATION TO BID & INSTRUCTIONS TO BIDDERS**

**1. SCOPE OF PROJECT:**

The Specifications and the accompanying drawings are intended to provide for all materials and labor necessary to complete the Carpeting Project at **Oxford Jr/Sr High School, USD 358, Oxford, Kansas.**

1.1 The bid shall include all labor and materials necessary for a complete and operational system. Including work necessary to restore the site, removing debris, after the project is complete.

**2. CONTRACT DOCUMENTS:**

2.1 The General Contractor may obtain electronic plans and specifications from the office of the Architects, **HANNEY & ASSOCIATES ARCHITECTS**, 1726 South Hillside, Wichita, Kansas 67211, (316) 683-8965 Phone. Plans will be available in a drop box folder. Addenda information will be posted on our website.

2.3 Contract Documents are on file and may be viewed at the office of the Architect, and;

2.3.1 Kansas Construction News, 230 Laura, Wichita, Kansas

2.3.2 Dodge Reports, Kansas

**3. PROPOSAL PROCEDURE:**

**3.1 BID DATE:**

3.1.1 Sealed proposal for this project will be received by the Owner, Oxford Unified School District 358, 319 E. College, Oxford, Kansas, 67119, on **January 31, 2020, up to and until 1:30 p.m.**

3.1.2 At which time proposals received will be opened **publicly**. Any proposals received after closing time will be returned unopened.

3.2 Should a proposer find discrepancies in, or omissions from the drawings or documents, or should he be in doubt as to their meaning, he shall at once notify the Architect, who will send written instructions to all proposers. Neither Owner nor Architect will be responsible for any oral instructions.

3.3 Proposals shall be made upon the PROPOSAL FORM or exact copy thereof bound into the specifications.

3.4 Fill in all blanks on the PROPOSAL FORM clearly with ink. Erasures or other changes in a proposal must be explained or noted over the signature of the proposer. Signatures shall be in longhand by a principal duly authorized to sign contracts, and if proposal is by a corporation, the signature shall be accompanied by the corporate seal impression. Proposals shall contain neither alterations nor recapitulation of work to be done.

3.5 Should the Contractor fail to complete all of the work required by the Contract Documents on or before the date bid by this contractor for substantial completion, the Contractor shall pay as liquidated damages, the sum of **two hundred dollars (\$200.00)** for each consecutive calendar day thereafter, Sundays and holidays excluded.

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- 3.6 Each proposer is required to bid all alternates included in the Proposal Form except that should he desire not to bid an alternate he may insert the words “no bid” in the space provided for prices for such alternate. In such case, if it is determined to use such alternate, the fact that the cost of the type or method bid in the proposal may be lower than that chosen shall not constitute the basis of a claim by the proposer that the contract shall be awarded to him. If an alternate price called for involves no change in price, proposer shall so indicate by writing the words “no change” in the space provided.
- 3.7 No oral or telephonic proposals or modifications will be considered. No telegraphic proposals will be considered, but modification by telegraph of proposals already submitted will be considered if received prior to time set for proposal opening.
- 3.8 Before submitting his proposal, each proposer shall carefully examine all documents pertaining to the work, visit the site of work, and fully inform themselves as to all existing conditions under which the work will be performed. Submission of a proposal will be considered presumptive evidence that the proposer is fully aware of the Contract Documents, pertinent state and markets, and has made allowances in his proposal for all work and all contingencies.
- 3.9 Any addenda issued during the time of preparation of proposals are to be acknowledged in the Proposal Form and in closing a contract, they will become a part thereof.
- 3.10 Enclose the proposal along with the required Proposal Security, in an opaque envelope:  
Proposal For: (State category of the work)

**Carpeting**

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**319 E. College**

**Oxford, Kansas 67119**

**Name of Bidder.**

**4. PROPOSAL SECURITY:**

- 4.1 Proposal Security, consisting of a bid bond, certified check or cashier’s check on a solvent bank, must be enclosed with each proposal for at least five percent (5%) of the Base Proposal.
- 4.2 Proposal Security shall be made payable, without condition to **Oxford Unified School District 358** as a guarantee that the bidder, if awarded the contract, will promptly execute the formal contract in accordance with the proposal and as required by the other Contract Documents, and that he will furnish good and sufficient bonds for the faithful performance in each category of work will be retained until the contract is awarded or other disposition is made thereof. Deposit checks shall be refunded if bidding documents are returned to the Architect in satisfactory condition within sixty (60) days after awarding the contract. If bidding documents are not returned, applicable deposit checks shall be returned to the Owner and deposited into the/his account. The successful contractor’s deposit shall be returned after the award of the contract.

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- 4.3 Performance Bond and Statutory Bond will be required in an amount of 100% of the contract amount. Such bonds shall be in such form as indicated in the Revisions in the General Conditions and registered at the Sumner County District Court.

**5. PROPOSAL WITHDRAWAL:**

A Proposal may be withdrawn on written or telegraphic request received from proposer prior to time for proposal opening. No proposal may be altered or withdrawn for a period of at least thirty (30) days after opening of proposals.

**6. SUBSTITUTIONS:**

6.1.1 The materials, products and equipment described in the bidding documents establish a standard of required function, dimension, appearance and quality to be met by any proposed substitution.

6.1.2 No substitution will be considered unless written request for approval has been submitted by the bidder and has been received by the architect at least ten (10) days prior to the date for receipt of bids. Each such request shall include the name of the material or equipment for which it is to be substituted and a completed description of the proposed substitute including drawings, cuts, performance and test data and any other information necessary for an evaluation. A statement setting forth any changed in other materials, equipment or work which incorporation of the substitute would require shall be included. The burden of proof of the merit of the proposed substitute is upon the proposer. The Architect's decision of approval disapproval of a proposed substitute shall be final.

6.1.3 If the Architect approves any proposed substitute, such approval will be set fort in an addendum. Bidders shall not rely upon approvals made in any other manner.

**7. AWARD OF CONTRACT:**

Contract will be awarded to the responsible proposer submitting the lowest responsible proposal (i.e. combination of Base Proposal and accepted alternates, with due consideration to unit prices), provided:

7.1.1 Evidence of the experience, qualifications and financial responsibility of the bidder and his subcontractors, and the time of completion are all-acceptable to the Owner.

7.1.2 Manufacturer's Guarantee, Service Warranty and financial responsibility of manufacturer.

7.1.3 The total of acceptable proposals is within the financial budget for the project.

7.1.4 The Owner reserves the right to reject any or all proposals, to accept or reject alternate proposals and unit prices, and to waive all technicalities concerning the proposals received when it may be in his best interest to do so.

**End of Section 00100**

**SECTION 00158**  
**LOCKER PROPOSAL**  
**FOR**  
**OXFORD HIGH SCHOOL**

Date: \_\_\_\_\_

Oxford High School  
Oxford USD 358  
Oxford, Kansas

The undersigned, in compliance with your invitation for bids for the **LOCKERS** at Oxford High School Auditorium, for Unified School District #358, Oxford, Kansas, having examined the site of the work, and being familiar with all the conditions surrounding the work, hereby propose to furnish all labor, materials and supplies and do all work necessary for the project in accordance with the contract documents at the price stated below. These prices are to cover all expenses incurred in performing the required work under the Contract Documents of which this Proposal is a part.

**BASE PROPOSAL:**

For all the work described in the specifications and shown on the plans for the **LOCKERS** at Oxford High School, for Unified School District #358, Oxford, Kansas; I or (we) agree to perform all the work and furnish all materials complete for the sum of:

\_\_\_\_\_ (\$ \_\_\_\_\_ Dollars).

**TIME OF COMPLETION:**

The **General Contractor** is bidding a completion date, with liquidated damages in the sum of Two Hundred Dollars (\$200.00) for each day thereafter, Sundays and Legal Holidays excluded, that the Contract remains incomplete, which sum is agreed upon as the proper measure of liquidate damages which the Owner will sustain per diem by the failure of the undersigned to complete the work at the time stipulated, and this amount is not to be construed as a penalty in any sense.

*This Contractor will be required to meet the time constraints established by the General Contractor.*

*Generally, the completion date will be the Summer of 2020.*

*The General Contractor is responsible for scheduling the work on this project.*

*This Contractor shall coordinate delivery and installation with the General Contractor.*

*This Contractor shall be responsible for removing their debris from the site.*

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**DECLARATION:**

The undersigned declares that he has carefully examined and understands all Bid Documents, including Invitation to Bid, instructions to Bidders, Drawings, Specifications, and Addenda, that he has visited the location of the work and familiarized himself with all conditions under which the work is to be performed, including all pertinent codes and the conditions of labor and material markets, that he has checked quantities and prices, that he has made allowance in his bid for all work and all contingencies, and understands that in signing this bid he waives all right to plead any misunderstanding regarding the same.

The undersigned acknowledges receipt of the following Addenda to the Drawings and/or Specifications.

(Give number and date of each.)

\_\_\_\_\_  
\_\_\_\_\_

Respectfully Submitted,

\_\_\_\_\_  
(legal name of bidder)

\_\_\_\_\_  
(Signed by authorized officer)

\_\_\_\_\_  
(address of bidder)

Seal  
(If bid is by a corporation)

\_\_\_\_\_  
(title)

**End of Section 00158**

**SECTION 00300**

**SPECIAL CONDITIONS**

**1. A.I.A. GENERAL CONDITIONS:**

A.I.A. Document A201 "General Conditions of the Contract for Construction", 1997 Edition, hereinafter referred to as the "A.I.A. General Conditions", is hereby made a part of this Specification, as if hereto attached or herein repeated. Contractor shall consult this document and become intimately familiar with its contents before submitting his proposal. Copies are available for purchase from the American Institute of Architects, 1735 New York Avenue, N.W., Washington D.C. and from local A.I.A. offices.

**2. WORK INCLUDED:**

These Specifications and the accompanying Drawings are intended to provide for all materials and labor necessary for the **Oxford High School Auditorium, for Oxford Unified School District 358, Oxford, Kansas.**

**3. INTERPRETATION OF DOCUMENTS:**

If any person contemplating submitting a bid for the proposed Contract is in doubt to the meaning of any part of the Plans, Specifications, or other proposed Contract Documents, he may submit to the Architect a written request for an interpretation thereof, prior to 48 hours of the hour of opening bids. The person submitting the request will be responsible for its prompt delivery. Any interpretation of the proposed documents will be made only by Addendum duly issued and a copy of such Addendum will be mailed, faxed or delivered to each person receiving a set of such documents.

**4. VERIFICATION OF DOCUMENTS:**

Before submitting his proposal, each bidder shall check his set of Specifications and Drawings and advise the Architect if any sheets are missing.

4.1.1 Enumeration of Specifications appears in the Specifications Index.

4.1.2 Enumeration of Drawings appears on Sheet Number One (1) of the Plans.

**5. CONTRACT DOCUMENTS:**

The Contract Documents consist of: The Agreement, the conditions of the Contract (General Conditions, Revisions in General Conditions and Supplementary General Conditions), the Drawings, the Specifications, all Addenda issued prior to the execution of the Agreement, and Change Orders thereafter.

**6. PROPOSALS:**

Bidders are required to use the Proposal Form furnished by the Architect, which shall be made part of the Contract Documents. Each proposal must be accompanied by a certified check, cashiers check, or bid bond acceptable to the Owner, in the amount of five (5) percent of the base bid, payable to the Owner, without condition, as a guarantee that the bidder if awarded the contract will promptly execute such Contract in accordance with proposal and in the manner and form required by the Contract

Documents, and will furnish good and sufficient bond for the faithful performance of same. The bid security of the three lowest bidders will be retained until the Contract is awarded or other disposition is made thereof. The bid security of all bidders except the three lowest will be returned promptly after the canvass of bids.

**7. EXAMINATION OF PREMISES:**

This Contractor shall carefully examine the premises before submitting his bid. No allowance will be made for lack of full knowledge of all conditions, except underground conditions as are indeterminable before the commencement of the work.



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**8. CHANGES:**

8.1 It is understood that the Owner shall have the right during the progress of construction to make any alterations, additions, or omissions that he may desire to work, or material herein specified or shown on the Drawings. The same shall be carried into effect by this Contractor without in any way violating the Contract, but if such changes are made, the value of same must be agreed upon in writing between Owner, Architect, and Contractor.

8.2 No omissions will be allowed, or extra work paid for unless ordered in writing by the Architect.

**9. SPECIAL WORK NOT INCLUDED:**

The Owner reserves the right to have special work, not included in the Contract, done during the course of the work herein included.

**10. PERMITS:**

This Contractor shall obtain and pay for all permits, surveys, plan review fee's and inspector's fees required for this project without additional cost to the Owner. **(Sumner County and City of Oxford)**

**11. RESPONSIBILITY FOR ACCIDENTS:**

This Contractor must bear all loss of damage from accident which may occur to any person or persons, by or on account of the execution of this work, until possession is taken by the Owner. The General Contractor must provide all legal and necessary guard railing, lights, warning signs, etc., during the progress of the work.

**12. INSURANCE:**

13.1 This Contractor shall purchase and maintain coverages required by the General Conditions of the Contract, Paragraph 11.1 and these Specifications in the following minimum amounts, and provide the Owner, through the Architect, three copies of a Certificate of Insurance on A.I.A. form G705.

KIND OF INSURANCE	LIMITS OF LIABILITY
12.1.1 (1) Workmen's Compensation	Statutory Workmen's Comp.
(2) Employer's Liability	
Bodily injury by Accident	\$100,000.00 each occurrence
Bodily Injury by Disease	\$500,000.00 each employee
Bodily Injury by Disease	\$500,000.00 policy limit

**13. DIMENSIONS:**

Figures given on the Drawings govern scale measurements and larger scale drawings govern smaller scale drawings.

**14. MATERIALS AND WORKMANSHIP:**

All materials and workmanship are to be the best of their several kinds, unless specified to the contrary. This Contractor is to furnish all accessories needed, such as scaffolding, forms, protection and all other temporary work, required for the proper completion of their work.

**15. DEFECTIVE OR IMPROPER WORK:**

Any work or materials not conforming to the specifications must be removed by this Contractor and replaced by approved materials or work without extra compensation. All condemned material must be removed from the premises immediately.

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16. **PROTECTION:**  
All materials in or designed for the work shall be at all times suitably housed or protected, particular care being taken of all finished parts.
17. **DISRUPTION OF SERVICES:**  
Before digging or trenching commences, each Contractor shall verify with Public Service Companies all known plumbing, gas and underground electrical lines.
19. **CLOSING-IN WORK:**  
19.1.1 The General Contractor shall notify the Owner, all Contractors and subcontractors under the Owner, when he is ready for them to install their portions of their work and see that they comply with any reasonable period of time. Neither enclose nor cover any piping, wiring, ducts, equipment or other items until proper tests, observations, and/or inspections have been made by the Architect and/or proper authorities.  
19.1.2 Notify the Architect to observe any work when placing of subsequent work would prevent observation of previous work.
20. **FINISHING:**  
20.1.1 Adjust windows, doors, drawers, hardware, appliances, motors, valves, controls and other equipment for proper operations.  
20.1.2 Seal exterior joints between materials to form a waterproof enclosure.  
20.1.3 Touch-up imperfections in surfaces, paint and other finishes after all Contractors and Tradesmen have completed their work.  
20.1.4 Clean surfaces using appropriate materials and methods that will thoroughly clean but not damage materials and their finishes, nor damage or adversely affect other materials in the project.
21. **COMPLETED WORK:**  
21.1.1 Completed work shall find materials structurally sound, free from scratches, abrasions, distortions, chips, breaks, blisters, holes, splits or other disfigurement considered as imperfections for the specific material. Equipment shall operate properly to design performance capacities and requirements.  
21.1.2 Finished installations shall illustrate first class workmanship.  
21.1.3 Completed surfaces shall be thoroughly clean and free from foreign materials and stains.
22. **PERMANENT SYSTEMS:**  
Install, connect, service and operate permanent systems at earliest practical dates, except as may be modified by special conditions of these specifications.
23. **GUARANTEE:**  
This Contractor shall be responsible for and shall make good any defects due to faults in labor and materials, which may arise or be discovered within one (1) year after the completion of the work and its acceptance by the Architect.
24. **WRITTEN WORDS IN PROPOSAL:**  
In case of a difference between words and figures in a proposal, the amount stated in written words shall govern.

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**25. TRASH AND DEBRIS:**

Each Contractor shall be responsible to remove all loose paper, cardboard, etc. from the site in a consistent manner to avoid blowing of trash and debris. The General Contractor shall be responsible for maintaining a central trash receptacle that can be used by all contractors.

**26. SALES TAX EXEMPTION:**

26.1.1 Materials and equipment incorporated into this project are exempt from payment of Kansas Sales Tax and such Sales Tax shall be excluded from bidder's proposal.

26.1.2 The Owner will provide this Contractor with a proper exemption certificate number within ten (10) days of Contract date. Upon issuance of a proper exemption certificate number to this Contractor, this Contractor shall assume full responsibility for his own proper use of the certificate number and shall pay all costs of any legally assessed penalties relating to this Contractor's improper use of the exemption certificate number.

26.1.3 Should the Owner fail to provide a proper exemption certificate number, the amount of the Sales Tax for the project shall be allowed as an extra to the Contract amount.

**27. TAXES:**

This Contractor shall make all necessary forms for and shall pay for all taxes on labor and materials, such as Sales Tax, Social Security Tax, Withholding Tax, etc., without additional cost to the Owner, where such taxes are required by the State and Federal Laws.

**28. OMISSIONS:**

28.1 The Drawings and Specifications are intended to incorporate anything shown on the Drawings but not mentioned in the Specifications or vice versa, or anything not expressly set forth in either, but which is reasonable implied, shall be furnished as though specifically shown and mentioned in both, without any charge.

28.2 Should anything be omitted from the Drawings, necessary to the proper construction of the work herein described, it shall be the duty of this Contractor to so notify the Architect before signing the Contract and in the event of this Contractor failing to give such notice, he shall make good any damages of defects in his work caused thereby without extra charge.

**29. PROTECTION OF WORK AND PROPERTY:**

The General Contractor shall take charge of and assume general responsibility for proper protection of the building during construction. They shall further provide substantial enclosures at all openings as necessary for protection, including doors and locks. Each Contractor shall assume responsibility for his materials stored on the premises.

**30. EQUAL EMPLOYMENT OPPORTUNITY:**

Sections 1 through 5 of K.S.A. 44-1030 (as follows) shall be included in this Contract except those sub-contractors, vendors or suppliers whose cumulative dollar total in any fiscal year is \$5,000 or less, or who have fewer than four (4) employees:

35.1.1 This Contractor shall observe the provisions of the Kansas Act against discrimination and shall not discriminate against any person in the performance of work under the present Contract because of race, religion, color, sex, physical handicap unrelated to such person's ability to engage in the particular work, national origin or ancestry;

35.1.2 In all solicitations or advertisements for employees, this Contractor shall include the phrase, "equal opportunity employer," or a similar phrase to be approved by the commission;

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- 30.1.3 If this Contractor fails to comply with the manner in which this Contractor reports to the commission in accordance with the provisions of K.S.A. 1976 Supp. 44-1030, as amended, he shall be deemed to have breached the present Contract and it may be cancelled, terminated or suspended, in whole or in part, by the contracting agency;
- 30.1.4 If this Contractor is found guilty of a violation of the Kansas Act against discrimination under a decision or order of the commission which has become final, this Contractor shall be deemed to have breached the present Contract and it may be cancelled, terminated or suspended, in whole or in part, by the contracting agency;
- 30.1.5 This Contractor shall include the provisions of Paragraphs (1) through (4) inclusively of this Subsection (a) in every subcontract or purchase order so that such provisions will be binding upon such subcontractor or vendor.
31. **EQUIPMENT VERIFICATION:**
- 31.1.1 This Contractor shall check physical sizes of all material and equipment furnished under this Contract and require other Contractors and Owner to verify sizes of their equipment, in time to allow ample room for transporting equipment to and installing in its final location before enclosing spaces for it. Notify Architect in writing of any openings, ceiling heights or enclosures that are insufficient to accommodate equipment; such notice in ample time for Architect to direct necessary adjustments before such openings, ceilings or enclosures are placed.
- 31.1.2 Before construction proceeds to point that would prevent necessary modifications, this Contractor shall check Drawings, Specifications, Shop Drawings and Change Orders and notify Architect, in writing, of any Mechanical/Electrical services and/or connections required but not indicated, or incorrectly indicated, for equipment furnished. Failing to do so, Contractor furnishing equipment provide required services and/or connections at his expense.
32. **REPAIRS:**
- Unless the Architect grants permission to repair any defective work, remove defective work from project and replace with new work in accordance with Contract Documents, permission to repair such work shall not constitute a waiver of Architect's right to require complete replacement of defective work if repair operation does not restore quality and appearance of member or surface to Architect's satisfaction. If permission is granted, repair according to Architect's direction.
33. **LAWS AND ORDINANCES:**
- 38.1 This Contractor is required to familiarize himself with and observe all laws, ordinances and regulations relating to the work, and such laws, ordinances and regulations are hereby incorporated in and made a part of these specifications and the Contract for this work.
- 38.2 All work shall comply with the Americans with Disabilities Act.
34. **COMMENCE WORK:**
- Work may commence with Owner's approval. Coordinate installation with the General Contractor.
39. **APPROVED EQUALS:**
- Company's approved equals to the original specified suppliers are required to meet all requirements of the plans, specifications, and standards of performance and construction as established by the first named originally specified manufacturer's product.

**End of Section 00300**

**SECTION 10510**

**METAL ATHLETIC LOCKERS**

**1. GENERAL**

**1.1 RELATED DOCUMENTS:**

1.1.1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and Divisions 1 Specifications, apply to this Section.

**1.2 SUMMARY:**

**1.2.1 This Section includes the following:**

- a. Athletic Lockers configured:
  - 1. Double Tier (DeBourgh) 16” W x 16” D x 72” H with slope top
  - 2. Room 208- boy’s locker                      40 lockers
  - Room 202- girl’s locker                      33 lockers
- b. Provide fasteners and anchorage devices to install lockers provided under this section.
- c. Provide metal filler panels to fill between banks of lockers and adjacent construction.
- d. Finished ends as required.

**1.3 SUBMITTALS:**

1.3.1 Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of locker and bench.

1.3.2 Shop Drawings: Show lockers in detail, method of installation, fillers, trim, base and accessories. Include locker numbering sequence information.

1.3.3 Samples for verification: Submit one full-size locker sample for evaluation. Adherence to the specification is required. Locker submitted must meet specification regardless of manufacturer’s standard product. Submit manufacturer’s technical data and installation instructions for metal locker units.

1.3.4 Maintenance Data: For adjusting, repairing, and replacing locker doors and latching mechanisms to include in maintenance manuals specified in Division 1.

**1.4 QUALITY ASSURANCE:**

1.4.1 Uniformity and Single Manufacturer Requirements: Provide each type of metal locker as produced by a single manufacturer, including necessary mounting accessories, fittings, and fastenings.

1.4.2 All of the locker products in this specification as well as all of the materials used to manufacture this product to be produced in the United States of America. No exceptions will be allowed.

1.4.3 Installers Qualifications: Lockers to be installed by an experienced agent of the manufacturer.

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- 1.5 **DELIVERY, STORAGE, AND HANDLING:**
- 1.5.1 **Packing and Shipping:** Do not deliver metal lockers until building is enclosed and ready for locker installation.
- 1.5.2 **Storage and Protection:** Protect materials from damage during delivery, handling, storage, and installation.
- 1.6 **WARRANTY:**
- 1.6.1 Locker manufacturer shall warrant the locker for the lifetime use of the original purchaser from date of shipment. Warranty shall include all defects in material and workmanship, excluding finish, vandalism and improper installation.

**2. PRODUCTS**

2.1 **MANUFACTURERS:**

- 2.1.1 **Acceptable Manufacturers:** Subject to compliance with requirements of the Contract Documents, acceptable manufacturers are as follows:
- a. DeBourgh Manufacturing Company

2.2 **FABRICATION:**

2.2.1 **Locker Construction:**

- a. Lockers to be welded at seams and joints with exposed welds sanded smooth.
- b. No bolts, screws or rivets to be used in assembly of locker units.
- b. Ship lockers set-up, ready to be anchored in place in accordance with manufacturer's instructions.

2.2.2 **Body of Lockers:**

- a. Sides and Intermediate Partitions: Constructed of 1 inch by 1 inch by 1/8-inch steel angle iron frame with 3/4-inch, 13 gauge (Ga), bond sheared, flattened expanded metal welded to steel angle frames. Formed sheet steel locker frames are not acceptable.
- b. Exposed End Panels: Constructed of 1 inch by 1 inch by 1/8-inch steel angle iron frame with 16 Ga sheet steel welded to steel angle frame.
- c. Backs: Solid sheet of 18 Ga cold rolled sheet steel welded to frames of sides and intermediate partitions.
- d. Shelves and Tier Dividers: Constructed of 16 Ga cold rolled sheet steel welded to side and intermediate partition construction. Shelves provided in lockers 48 inches and taller, located to provide a minimum of 12 inches clearance.

2.2.3 **Doors:**

- a. 1-inch-by-1-inch by 1/8-inch angle iron frame with inserts of (available only when used with Sentry I latching)
1. 3/4-inch, 13 Ga bond sheared expanded metal for maximum ventilation. An additional 13 Ga steel handle panel with 16 Ga cold rolled steel back panel will be securely welded to the center

span of the door. All horizontal mesh edges shall be concealed with an additional steel formation welded to the door.

2. Diamond perforated.
  3. Secur-N-Vent – three-dimensional vertical vents formed on fronts and backs of door.
  4. Louvered – traditional six louvers at top and bottom of door.
- b. 14 Ga formed doors constructed of single piece cold rolled steel with double bends on vertical sides and a single bend on horizontal sides (available with the above ventilation styles excluding mesh).

2.2.4 Latching:

- a. Sentry I Three-Point/Three-Sided Cremone Latch
  1. Latching mechanism operated by a steel handle welded to a three-point cremone type assembly.
  2. Latching rods, 3/8-inch diameter, engage top and bottom edge of locker frame. A 3/16-inch-thick center latch engages door jamb.
- b. Sentry II Recessed Gravity Latch
  1. Door containing stainless steel cup recessed into formed door (doors 18 inches and higher).
  2. 12 Ga steel finger lift mechanism.
  3. Spring activated nylon slide latch enclosed in steel latch channel allows closing of door while padlock or built-in lock is in position.
  3. Rubber bumpers riveted to door stops for silent operation.
- c. Sentry III Single-Point Latch
  1. Eleven Ga stationary latch welded securely to locker frame.
  2. Latch extends no more than 1-1/4 inch into locker opening, penetrating through cup.
  3. Flush-mounted, recessed stainless steel cup in a formed door with 18 Ga vertical back panel stiffener.
- d. (Sentry I-R) Three-Point/Three-Side Recessed Latching
  1. Finger lift mechanism operates a three-point, three-sided latch in a flush mounted stainless-steel cup.
  2. Latching rods, 3/8-inch diameter, engage top and bottom edge of locker frame. A 3/16-inch-thick center latch engages door jamb.

- e. Box Locker Spring Latch
  - 1. 16 Ga cold rolled steel, bright zinc plated with 10 Ga latch and 16 Ga stainless steel lock hasp and completely enclosed stainless steel spring.
  - 2. Assembled using 6 nickel plated rivets.
- f. Special Needs Latch (ADA)
  - 1. Latching operation with a three-point/three-sided cremone latch (like the Sentry I) has an extended six-inch handle creating a weighted counterbalance allowing activation by either upward or downward motion.

2.2.5 Hinges:

- a. Hinges to be 3-inch, five knuckle, 14 Ga heavy-duty fast pin welded to both door and frame.
- b. Locker doors 42 inches high or less shall have 2 hinges.
- c. Doors over 42 inches shall have 3 hinges.
- d. Box lockers to have knife hinges securely riveted to shelves, tops and bottoms. Hinges attached to 3/16 rod securely welded to the hinge side of box locker door.

2.2.6 Closed Bases:

- a. 4-inch-high, 14 Ga welded steel base enclosed on all four sides securely welded to locker bottom.

2.2.7 Legs:

- a. 6-inch, 14 Ga gusset style legs securely welded to locker bottom.

2.2.7 Reinforced Bottom:

- a. Provide 16 Ga spacer channel welded to locker bottom from front to back for a more secure installation (when closed bases are not used).

2.2.9 Filler Panels: Manufacturer's standard fabricated from 18 Ga solid steel finished to match lockers. Provide slip joint fillers angle formed to receive filler panel.

2.2.10 Finish:

- a. Complete locker unit to be thoroughly cleaned, phosphatized and sealed.
- b. Finish to be baked powder coat with a minimum 2-3 mil thickness.
- c. Color of lockers shall be chosen from manufacturer's 25 standard colors.



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2.3 LOCKER ACCESSORIES:

2.3.1 Interior Equipment: Furnish each locker with the following items, unless otherwise indicated:

- a. Hooks:
  1. Hooks to be heavy-duty forged steel with ball ends and zinc plated.
  2. Provide two single ceiling hooks and one double ceiling hook in each locker opening 20 inches or taller.
- b. Numbering:
  1. Finish each locker with black anodized laser-etched aluminum number plate.
  2. Locate number plate near center of each door.
  3. Owner to furnish numbering sequence.
- c. Coat Rods: Manufacturer's standard zinc plated. Optional clothes rod in lieu of ceiling hook available (recommended for lockers 18 inches deep or greater).

3. **EXECUTION**

3.1 INSTALLATION:

3.1.1 Wall Installation:

- a. Securely anchor every locker to wall and/or floor before use. Installation hardware to be determined based upon wall/floor construction.
- b. Tie adjacent locker units by bolting at four points, two at top and two at bottom, using 1/4-inch cadmium plated bolts.

3.1.2 Island Installation:

- a. Securely anchor every locker to floor or base before use. Installation hardware to be determined based upon wall/floor construction.
- b. Tie adjacent locker units together by bolting at four points, two at top and two at bottom, using 1/4-inch cadmium plated bolts.
- c. Tie back-to-back locker units together with 1/4-inch cadmium plated bolts and washers.

3.2 ADJUSTING:

3.2.1 General Requirements: Upon completion of installation, inspect lockers and adjust for proper door and locking mechanism operation.

3.3 CLEANING:

3.3.1 General Requirements:

- a. Clean interior and exposed exterior surfaces, removing debris, dust, dirt and foreign substances on exposed surfaces.
- b. Touch up scratches and abrasions to match original finish.

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- c. Polish stainless steel and non-ferrous metal surfaces.
- d. Replace locker units that cannot be restored to factory-finished appearance.
- e. Use only materials and procedures recommended by locker manufacturer.

**End of Section 10510**