

October 20, 2020

City of Prattville, Alabama  
101 West Main Street  
Prattville, Alabama 36067

**RE: Mac Gray Park 2020 Improvements**  
**EOS Project No. PV-20110**

**ADDENDUM No. 1**

The changes, modifications and / or additions covered by and set forth in this Addendum No. 1 shall become part of and be incorporated into the Specifications, Contract Documents, and Bid Documents for the above referenced project.

**GENERAL**

1. The Owner has determined that this project is tax exempt.
2. Substitution requests attached.
3. Note that the Bid Date has been changed to Tuesday, October 27, 2020, at 2:00 pm. The location remains the same – Doster Center (same location as PreBid Meeting).

**SPECIFICATIONS**

Replace the following Specification Sections:

SECTION 00 42 22 – UNIT PRICES FORM  
SECTION 00 42 24 – BASIS OF PAYMENT  
SECTION 00 43 33 – PROPOSED PRODUCTS FORM  
SECTION 00 52 00 – AGREEMENT FORM  
SECTION 08 71 00 – DOOR HARDWARE

SECTION 05 12 00 – STRUCTURAL STEEL FRAMING

1. Add 1.02, C. “For the minor nature of the structural steel, it is acceptable to forgo AISC certification, or AISC accreditation.”

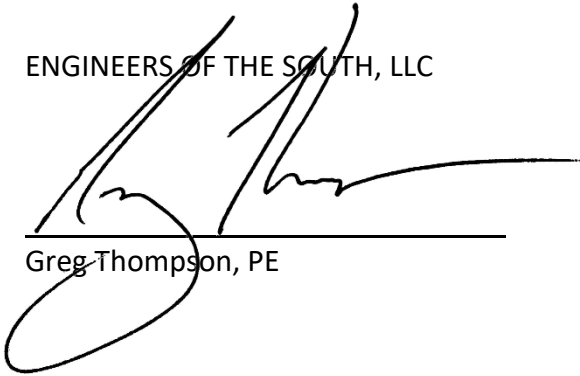
**PLANS**

Dwg No 00-C-03:

1. General Notes #13 – Clarification: The Contractor shall be responsible for the application fee of the ADEM NPDES Stormwater Permit application amount of \$1,385.00 and the Engineer shall prepare the application and perform all inspections. The permit shall be in the General Contractor's name. The General Contractor shall be responsible for installing, maintaining and correcting all BMPs necessary to maintain compliance with the NPDES Stormwater permit.

This Addendum No. 1 shall be attached to the front of your set of Specifications and made a part of the Specifications and Contract Documents. Acknowledgement of Receipt of Addendum No. 1 shall be returned via facsimile or email to our office.

ENGINEERS OF THE SOUTH, LLC



Greg Thompson, PE

**SECTION 00 43 22 – UNIT PRICES FORM**

**CITY OF PRATTVILLE, AL  
MAC GRAY PARK 2020 IMPROVEMENTS**

**BID TABLE**

Item	Description	Qty	Unit	Unit Price	Total
1	Mobilization, Bonds & Insurance	1	LS	-	\$150,000
2	Mac Gray Park 2020 Improvements	1	LS	-	
2a	Mac Gray Park Playground Allowance	1	LS	-	\$40,000
3	Allowance for Owner/Engineer Selected Items	1	LS	-	\$75,000
4	Restoration, Start-up, Testing, and Return of Completed Facilities to Operation	1	LS	-	\$100,000

**Sub Total #1:** \_\_\_\_\_

**EXTRA UNIT PRICES**

**(Note: See Basis of Payment for explanation)**

Item	Description	Qty	Unit	Unit Price	Total
5	Excavation and Haul-Off of Unsuitable Soils	100	CY		
6	Replacement with Crushed Stone (825B or #57)	100	TON		
7	Replacement with Offsite Suitable Material	100	CY		
8	Surge Material (ALDOT #1 Stone)	50	TON		
9	Installation of Stabilization Fabric Fence	100	SY		

10	Black Gum	1	EA		
11	Willow Oak	1	EA		
12	Needlepoint Holly	1	EA		
13	6' Height Chain Link Fence	20	LF		
14	12' Wide Chain Link Fence Gate	1	EA		
15	4' Wide Chain Link Fence Gate	1	EA		
16	Windscreen	20	LF		
17	Topsoil	10	CY		
18	Sod	10	SY		
19	Pine Straw Bales	10	EA		

**Sub Total #2:** \_\_\_\_\_

**Total Base Bid (Sub Total #1 + Sub Total #2):** \_\_\_\_\_

**ALTERNATE BID ITEMS**

2b	6' ht. Windscreen on outfield fence and gates (Fields 2-5)	4	EA		
2c	Bleacher shade system	10	EA		

**Total Alternate Bid** \_\_\_\_\_

(Total Base Bid plus Items 2b & 2c)

## **SECTION 00 43 24 - BASIS OF PAYMENT**

### **CITY OF PRATTVILLE, AL MAC GRAY PARK 2020 IMPROVEMENTS**

The following sections summarize the intent of the bid documents for providing a basis of payment for all work required to complete the project. Descriptions correspond to the numbering in the Unit Prices Form. Any misinterpretations of these descriptions evident in the Contractor's proposal as an "unbalanced" bid shall be basis for considering the bid unresponsive. As described in the Instructions to Bidders Section, the Owner reserves the right to reduce quantities and/or completely remove bid items from the work. The estimates of work listed in the Unit Prices Form are to be considered only approximate quantities of items and are to be used as a basis for comparing bids. The Owner does not guarantee that the approximate quantities or allowances given will hold in the construction of the work. Final Payment will be made for actual quantities of the work performed as approved by the Engineers, at the contract prices bid. Should the quantities of the pay items be more or less than the quantities estimated, the contract unit prices bid in the Proposal will prevail.

#### **BASE BID ITEMS**

##### **ITEM 1 - MOBILIZATION, BONDS, & INSURANCE**

The Contract Lump Sum Price shall be the cost allowed by the Owner for mobilization of Contractor's forces, bonding the Project, and providing the specified Project insurance. The cost includes portions or the entire Contractor's cost for setting up of Contractor's forces, acceptance by Engineer and Owner of schedule of payment values, and equipment and personnel movement. The price established by the Owner is an allowance for the Contractor and will be paid upon completion of mobilization. Any costs the Contractor may have above the allowances to complete these Items shall be evenly distributed and included in the remaining Bid Items. Payment for this item shall not exceed the original contract amount bid regardless of the fact that the Contractor may have, for any reason, shut down his work on the project, moved equipment away from the project and then back again, or for additional quantities or items of work added to the contract.

##### **ITEM 2 – MAC GRAY PARK 2020 IMPROVEMENTS**

The Contract Lump Sum Price shall be the furnishing of all labor, materials, and equipment necessary to complete the Mac Gray Park 2020 Improvements excluding the work and materials listed in all other items. This includes, but is by no means limited to, excavation, crushed stone foundation, manholes, valve vault, backfill, compaction, piping, valves, concrete paving, asphalt paving, fencing, gates, all gravity sewer, all manholes, all storm pipes, all storm inlets, all storm headwalls, pipe bedding, pressure testing, air testing, water service (including all Prattville Water Works fees and charges), landscaping, electrical, Concessions Building, softball fields, playground equipment, field lighting, PA systems, CCTV systems, HVAC, plumbing, site lighting, excluding items to be provided by the Owner, to the extent shown on the Plans and required to construct a complete and properly functioning improvements project in complete accordance with the Plans, Specifications and Contract Documents.

### **ITEM 2a – MAC GRAY PARK PLAYGROUND ALLOWANCE**

The Contract Lump Sum Allowance shall be for the furnishing and installation of Owner specified playground equipment by the Owner selected vendor. The Owner will pay the Contractor and the Contractor shall issue a purchase order to the specified vendor or supplier. Payment procedures shall be the same as for all other equipment and materials supplied by the Contractor. The price written in for this item represents an allowance that is used by all Contractors bidding the project. The Contractor shall include any charges for handling these purchases, coordination, submittals, storage, and completing these contract requirements in Bid Item 2. Note: This is in addition to, and does not include, any allowances established elsewhere in these Bid Documents or on the Plans.

### **ITEM 2b – 6' HT. WINDSCREEN ON OUTFIELD FENCE AND GATES (FIELDS 2-5)**

The Contract Unit Price shall be for the furnishing of all labor, materials, and equipment necessary to complete one (1) complete 6' high windscreen on the outfield fence and gates as detailed on the Plans and Specifications. Note that this is an additive alternate and may or may not be accepted by the Owner.

### **ITEM 2c – BLEACHER SHADE SYSTEM**

The Contract Unit Price shall be for the furnishing of all labor, materials, and equipment necessary to complete one (1) complete bleacher shade system as detailed on the Plans and Specifications. Note that this is an additive alternate and may or may not be accepted by the Owner.

### **ITEM 3 – ALLOWANCE FOR OWNER/ENGINEER SELECTED ITEMS**

The Contract Lump Sum Allowance shall be for the furnishing of Owner specified services, equipment, or materials. The Owner will pay the Contractor and the Contractor shall issue a purchase order to the specified vendor or supplier. Payment procedures shall be the same as for all other equipment and materials supplied by the Contractor. The price written in for this item represents an allowance that is used by all Contractors bidding the project. The Contractor shall include any charges for handling these purchases, coordination, submittals, storage, and completing these contract requirements in Bid Item 2 or 3. Note: This is in addition to, and does not include, any allowances established elsewhere in these Bid Documents or on the Plans.

### **ITEM 4 – RESTORATION, START-UP, TESTING, AND RETURN OF COMPLETED FACILITIES TO OPERATION**

The Contract Lump Sum Price shall be paid for furnishing the Owner an operable and completed Mac Gray Park in which all improvements included in the project have successfully passed all start-up requirements and tests as specified. The renovated and new facilities shall have been approved by all authorities for use by the Owner as intended and is put into service. The price in this item represents an allowance that is established by the Owner and used by all Contractors bidding the project. The amount of money written in this item will be paid to the Contractor when the plant is in satisfactory service since the project's components are an integral part of the entire water system project needed by the Owner. Partial payment will not be allowed on this item.

## **EXTRA UNIT PRICES**

The following items of work are anticipated during construction of this contract; however the exact quantity of each work item may not be determinable prior to bidding. The Contractor, shall therefore, include in his Lump Sum Base and / or Alternates Bid (as applicable), an allowance for the following items in the quantities indicated: Allowance Unit Prices include all charges for labor, materials and equipment, shoring, layout, supervision (field and home office), general expenses, taxes, insurances, overhead and profit, but not limited to, for accomplishment of the Allowance item(s). Where quantities of same items of work are defined and are quantified in the bid documents, the allowance quantities indicated hereinafter shall be in addition to those which are indicated. (Example: If the site grading plan indicates new and existing grades, the bidder shall compute the quantity of earthwork required and include that quantity of work in the bid the same as if no “allowance quantity were specified. If an additional allowance quantity of earthwork is stipulated, that stipulated allowance quantity of work shall also be included in addition to the quantity computed from the bidders earthwork “takeoff”).

The following Unit Prices Quoted are for increases or decreases in the above quantities included in the Lump Sum Base and/or Alternate Bids. These Unit Prices include all charges for labor, materials and equipment, fee, layout, supervision (field and home office), general expenses, taxes, insurances, overhead and profit, but not limited to, for accomplishment of the Unit Price item(s).

Clarification Note: The Unit Prices quoted by the Contractor shall apply to increases (additive change orders) and to decreases (deductive change orders). This requirement shall supplement the requirements of the General Conditions, and Instructions to Bidders. Changes in the contract amount which are computed using the Stated Allowances and Unit Prices shall be figured at the same unit price whether additive or deductive.

## **ITEM 5 – EXCAVATION AND HAUL-OFF OF UNSUITABLE SOILS**

The Contract Unit Price per CY shall be payment in full for the furnishing of all labor, materials and equipment, and all incidentals necessary to remove unsatisfactory foundation materials to construct a foundation from engineering fill meeting the requirements of the plans and specifications as determined by the Engineer. This item shall include all costs for excavation, hauling, etc. for removal of all unsuitable materials. This includes, but is not limited to, removing and handling the onsite materials, in accordance with the Contract requirements. This item includes only undercut below the limits of excavation under proposed structures or paved areas and as required by the Engineer during construction for Foundation Construction. Limits of undercut shall be established by the Engineer during construction. There shall be no payment under this item for over excavation or undercut not requested by the Engineer. Overcutting horizontally or vertically for the Contractor’s needs or working requirements shall not be paid under this item but should be included in other bid items. This item is for excavation only. Placement of materials shall be paid under Item 6 or Item 7 as determined by the Engineer during construction. The price shall be calculated on final in place material after specified compaction requirements are met with the limits as shown on the Plans or reestablished by actual field conditions.

## **ITEM 6 – REPLACEMENT WITH CRUSHED STONE (825B OR #57)**

The Contract Unit Price per ton in place shall be payment in full for furnishing of all labor, materials, equipment and all incidentals necessary to complete the installation of crushed stone as required by the Engineer during construction. This item shall cover #57 stone and ALDOT 825B and the use of each shall be determined solely by the Engineer. This item does not include rip-rap or gravel

shown or inferred from the Plans or included as part of the Contractor's BMP installation and maintenance or replacement of existing gravel areas disturbed during construction; the cost of these items shall be included in other items. Crushed stone placement paid under this item shall include only extra crushed stone placed during construction as required by the Engineer. This shall include but not be limited to supplying and placing the crushed stone and all necessary excavation. Tonnage shall be measured from certified invoices from the material supplier.

#### **ITEM 7 – REPLACEMENT WITH OFFSITE SUITABLE MATERIAL**

The Contract Unit Price per cubic yard in place shall be payment in full for utilizing soil excavated from offsite borrow pits as engineered fill material. Offsite borrow areas shall be identified by the Contractor during construction, approved by the Owner / Engineer and may only be utilized to replace unsuitable soils excavated from the foundation undercut footprint (structure plus ten feet). Determination of unsuitable soil to be replaced will be made by the Engineer during construction. Offsite borrow material shall be placed in accordance with the geotechnical report and as required by the geotechnical engineer during construction. Payment will be made based on in place, compacted, engineered fill only. No payment will be made for over excavation from the borrow area. Payment shall include all costs associated with clearing and grubbing, soil segregation, moisture conditioning, hauling, placing, compacting, etc. All borrow areas shall be graded and grassed following construction such that they cause no drainage, access or operational problems.

#### **ITEM 8 – SURGE MATERIAL (ALDOT #1 STONE)**

The Contract Unit Price per ton in place shall be payment in full for furnishing of all labor, materials, equipment and all incidentals necessary to complete the installation of surge stone / material as required by the Engineer during construction. Gradations covered under this item shall be from Class 5 to Class 1 rip-rap and shall be determined solely by the Engineer. This item does not include rip-rap or gravel shown or inferred from the Plans or included as part of the Contractor's BMP installation and maintenance or replacement of existing gravel areas disturbed during construction; the cost of these items shall be included in other items. Crushed stone placement paid under this item shall include only extra crushed stone placed during construction as required by the Engineer. This shall include but not be limited to supplying and placing the crushed stone and all necessary excavation. Tonnage shall be measured from certified invoices from the material supplier.

#### **ITEM 9 – INSTALLATION OF STABILIZATION FABRIC FENCE**

The Contract Unit Price per linear foot in place shall be payment in full for furnishing of all labor, materials, equipment and all incidentals necessary to complete the installation of stabilization fabric fence as required by the Engineer during construction. This item does not include stabilization fabric fence or other BMPs shown or inferred from the Plans or included as part of the Contractor's BMP installation and maintenance or replacement of installed stabilization fabric fence disturbed during construction; the cost of these items shall be included in other items. Stabilization fabric fence installation paid under this item shall include only extra stabilization fabric fence installed during construction as required by the Engineer. This shall include but not be limited to supplying and installing the stabilization fabric fence and all necessary excavation. Linear footage shall be measured and confirmed in the field by the RPR.

#### **ITEM 10 – BLACK GUM**



The Contract Unit Price per each in place shall be payment in full for furnishing of all labor, materials, equipment and all incidentals necessary to complete the installation of one (1) Black Gum as required by the Engineer during construction. This item does not include Black Gum or other landscaping shown or inferred from the Plans or included as part of the Contractor's landscaping installation and maintenance or replacement of planted Black Gum disturbed during construction; the cost of these items shall be included in other items. Black Gum installation paid under this item shall include only extra Willow Oaks installed (or deleted) during construction as required by the Engineer. This shall include but not be limited to supplying and installing one (1) Black Gum and all necessary excavation.

#### **ITEM 11 – WILLOW OAK**

The Contract Unit Price per each in place shall be payment in full for furnishing of all labor, materials, equipment and all incidentals necessary to complete the installation of one (1) Willow Oak as required by the Engineer during construction. This item does not include Willow Oaks or other landscaping shown or inferred from the Plans or included as part of the Contractor's landscaping installation and maintenance or replacement of planted Willow Oaks disturbed during construction; the cost of these items shall be included in other items. Willow Oaks installation paid under this item shall include only extra Willow Oaks installed (or deleted) during construction as required by the Engineer. This shall include but not be limited to supplying and installing one (1) Willow Oak and all necessary excavation.

#### **ITEM 12 – NEEDLEPOINT HOLLY**

The Contract Unit Price per each in place shall be payment in full for furnishing of all labor, materials, equipment and all incidentals necessary to complete the installation of one (1) Needlepoint Holly as required by the Engineer during construction. This item does not include Needlepoint Holly or other landscaping shown or inferred from the Plans or included as part of the Contractor's landscaping installation and maintenance or replacement of planted Needlepoint Hollies disturbed during construction; the cost of these items shall be included in other items. Needlepoint Holly installation paid under this item shall include only extra Needlepoint Holly installed (or deleted) during construction as required by the Engineer. This shall include but not be limited to supplying and installing one (1) Needlepoint Holly and all necessary excavation.

#### **ITEM 13 – 6' HEIGHT CHAIN LINK FENCE**

The Contract Unit Price per linear foot in place shall be payment in full for furnishing of all labor, materials, equipment and all incidentals necessary to complete the installation of one (1) linear foot of 6' height chain link fence as required by the Engineer during construction. This item does not include chain link fencing or other landscaping shown or inferred from the Plans or included as part of the Contractor's landscaping installation and maintenance or replacement of installed chain link fencing disturbed during construction; the cost of these items shall be included in other items. Chain link fencing installation paid under this item shall include only extra chain link fencing installed (or deleted) during construction as required by the Engineer. This shall include but not be limited to supplying and installing one (1) linear foot of chain link fencing and all necessary excavation.

#### **ITEM 14 – 12' WIDE CHAIN LINK FENCE GATE**

The Contract Unit Price per linear foot in place shall be payment in full for furnishing of all labor, materials, equipment and all incidentals necessary to complete the installation of one (1) 12' wide chain link fence gate as required by the Engineer during construction. This item does not include chain link fence gates or other landscaping shown or inferred from the Plans or included as part of the Contractor's landscaping installation and maintenance or replacement of installed 12' wide chain link fence gate disturbed during construction; the cost of these items shall be included in other items. Chain link fence gate installation paid under this item shall include only extra chain link fence gates installed (or deleted) during construction as required by the Engineer. This shall include but not be limited to supplying and installing one (1) chain link fence gate and all necessary excavation.

#### **ITEM 15 – 4' WIDE CHAIN LINK FENCE GATE**

The Contract Unit Price per linear foot in place shall be payment in full for furnishing of all labor, materials, equipment and all incidentals necessary to complete the installation of one (1) 4' wide chain link fence gate as required by the Engineer during construction. This item does not include chain link fence gates or other landscaping shown or inferred from the Plans or included as part of the Contractor's landscaping installation and maintenance or replacement of installed 4' wide chain link fence gate disturbed during construction; the cost of these items shall be included in other items. Chain link fence gate installation paid under this item shall include only extra chain link fence gates installed (or deleted) during construction as required by the Engineer. This shall include but not be limited to supplying and installing one (1) chain link fence gate and all necessary excavation.

#### **ITEM 16 – WINDSCREEN**

The Contract Unit Price per linear foot in place shall be payment in full for furnishing of all labor, materials, equipment and all incidentals necessary to complete the installation of one (1) linear foot of windscreen as required by the Engineer during construction. This item does not include windscreen or other landscaping shown or inferred from the Plans or included as part of the Contractor's landscaping installation and maintenance or replacement of installed windscreen disturbed during construction; the cost of these items shall be included in other items. Windscreen installation paid under this item shall include only extra windscreen installed (or deleted) during construction as required by the Engineer. This shall include but not be limited to supplying and installing one (1) linear foot of windscreen and all necessary excavation.

#### **ITEM 17 – TOPSOIL**

The Contract Unit Price per cubic yard in place shall be payment in full for furnishing all labor, materials, equipment and incidentals necessary to complete the installation of one (1) cubic yard of topsoil. Topsoil material shall be placed in accordance with the landscape architecture plans, specifications and directions and only as required and directed by the Engineer or landscape architect during construction. Payment will be made based on in place topsoil only. No payment will be made for over excavation from the borrow area or from Contractor's failure to stockpile and reuse the existing onsite topsoil material. Payment shall include all costs associated with clearing and grubbing, soil segregation, moisture conditioning, hauling, placing, etc. All disturbed areas shall be graded and grassed following construction such that they cause no drainage, access or operational problems.

### **ITEM 18 – SOD**

The Contract Unit Price per square yard shall be payment in full for furnishing of all labor, materials, equipment and all incidentals necessary to complete the installation of one (1) square yard of sod as required by the Engineer during construction. This item does not include sod or other landscaping shown or inferred from the Plans or included as part of the Contractor's landscaping installation and maintenance or replacement of installed sod disturbed during construction; the cost of these items shall be included in other items. Sod installation paid under this item shall include only extra sod installed (or deleted) during construction as required by the Engineer. This shall include but not be limited to supplying and installing one (1) square yard of sod.

### **ITEM 19 – PINE STRAW BALES**

The Contract Unit Price per each in place shall be payment in full for furnishing of all labor, materials, equipment and all incidentals necessary to complete the installation and spreading of one (1) pine straw bale as required by the Engineer during construction. This item does not include pine straw bales or other landscaping shown or inferred from the Plans or included as part of the Contractor's landscaping installation and maintenance or replacement of spread pine straw disturbed during construction; the cost of these items shall be included in other items. Pine straw installation paid under this item shall include only extra pine straw installed and spread (or deleted) during construction as required by the Engineer. This shall include but not be limited to supplying, installing and spreading one (1) pine straw bale.

END SECTION 00 43 24

**SECTION 00 43 33 – PROPOSED PRODUCTS FORM**

**CITY OF PRATTVILLE, AL  
MAC GRAY PARK 2020 IMPROVEMENTS**

Contractors submitting a proposal are required to fully complete the following list of Material Suppliers and Equipment Manufacturers for their Bid. If this information is not clearly and properly provided, this will be grounds for the Owner to disqualify the Bidder for not being responsive. When a single Material Supplier or Equipment Manufacturer is listed as the “Base”, the Contractor shall furnish that Material Supplier and/or Equipment Manufacturer. When two or more Materials Suppliers and/or Equipment are listed as the “Base”, the Contractor must circle the Material Supplier or Equipment Manufacturer that will be furnished. When an item is blank, the Contractor shall write in the Material Supplier or Equipment Manufacturer to be furnished under the Base Bid Unit Price Schedule proposal. In every case, only one Material Supplier or Equipment Manufacturer shall be circled or listed for each material or equipment items. Unless a substitute is accepted as outlined below, the Contractor shall furnish and install the product of the Material Supplier or Equipment Manufacturer as he indicates herein.

Where the List of Material Suppliers and Equipment Manufacturers provides for substitute material suppliers and/or equipment manufacturers, the Bidder may, but is not required to, write in or circle a substitute material supplier or equipment manufacturer. The bidder shall write in the amount of price reduction for the use of each such substitute indicated. In every case, only one substitute Material Supplier or Equipment Manufacturer shall be written in or circled for each material or equipment item. The Contractor must provide submittal data detailing the substitute offering for comparison to the specifications. When a substitute Material Supplier or Equipment Manufacturer is offered by the Contractor and accepted by the Owners, the Contractor shall furnish and install the product of that Material Supplier or Equipment Manufacturer.

The award of the Contract will be based on the Contractor’s completed Material Supplier(s) and/or Equipment Manufacturer(s) unless there are provisions for alternate deducts in the Basis of Payment and Unit Price Schedules. No substitute equipment or material shall be accepted unless it is approved by the Owner. The Contractor shall furnish and install the base materials or equipment he has indicated for any or all of the substitutes rejected.

If the information required above is not clearly and properly provided, this will be grounds for rejecting that bidder. Failure to furnish and install the indicated base or indicated and approved substitute material and equipment from the suppliers and manufacturers shall constitute default of the Contract.

The Bidder further certified that if his bid is accepted, the Material Suppliers and Equipment Manufacturers he has indicated herein will be awarded contracts for supply of their products unless deductive alternates are provided as specified herein and approved by the Owner. The Bidder further certifies that deductive alternate Material Suppliers and Equipment Manufacturers he has properly indicated that are approved by the Owner will be awarded contracts for supply of their products.

Contractor \_\_\_\_\_ By \_\_\_\_\_

Date \_\_\_\_\_

**LIST OF MATERIAL SUPPLIER(S) AND EQUIPMENT MANUFACTURER(S)**  
**BASE BID ITEMS**

**Material or Equipment**

Name of Supplier or Manufacturer (Circle One)

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**1. Section 07 46 46 – Fiber Cement Siding**

Base: James Hardie

Alternate: \_\_\_\_\_ Deduct: \$ \_\_\_\_\_

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**2. Section 32 18 23.27 – Athletic Sodding**

Base: South Dallas Turf Farm, Inc.

Alternate: \_\_\_\_\_ Deduct: \$ \_\_\_\_\_

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**3. Section 26 56 68 – Sports Field Lighting**

Base: Musco

Alternate: Techline Sports Lighting \_\_\_\_\_ Deduct: \$ \_\_\_\_\_

Alternate: \_\_\_\_\_ Deduct: \$ \_\_\_\_\_

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**FINISH HARDWARE**

*(Addendum One)*

**PART 1 - GENERAL**

**1.01 WORK INCLUDED:**

- A. The work in this section shall include the furnishing of all items of finish hardware as hereinafter specified, or obviously necessary to complete the building, except those items which are specifically excluded from this section of the specification.
- B. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

**1.02 RELATED WORK:**

- A. The following section of this specification should be examined in order to identify materials or equipment which may be obtained through this section.
  - 1. Section 08 1110 "Insulated Steel Entrance Doors"
  - 2. Section 08 1113 "Hollow Metal Doors and Frames"
  - 3. Section 08 2111 "Flush Wood Doors"

**1.03 DESCRIPTION OF WORK:**

- A. Finish Hardware: Hardware used in building construction but particularly that used on or in connection with doors, frames, cabinets and other movable members. It also has a finished appearance as well as functional purpose and may be considered as a part of the decorative treatment of a room or building.

**1.04 QUALITY ASSURANCE:**

- A. Hardware has been specified herein by manufacturers' name, brand and catalog numbers for the purpose of establishing a basis for quality, finish, design and operational function. No other products will be furnished unless approved by means of 1.4 Paragraph "D".
- B. To insure a uniform basis of acceptable materials, it is the intention that only manufacturers' item specified as "acceptable and approved" be furnished for use on this project.
- C. Deviation from or modification of items will be permitted only for special instances caused by reason of construction characteristics and for the purpose of providing proper operational function. The contractor shall be responsible for checking any necessary deviations in order that hardware shall fit and function properly.
- D. Substitutions: Request for substitutions of items of hardware other than those listed as "acceptable and approved" shall be made to the architect no later than ten (10) days prior to bid opening. Approval of substitutions will only be given in writing or by Addenda. Requests for substitutions shall be accompanied by samples and/or detailed information for each manufacturer of each product showing design, functions, material thickness and any other pertinent information needed to

compare your product with that specified. Substitution requests for mortise locks, door closers and exit devices shall include a physical sample. Lack of this information will result in a refusal.

- E. Supplier: A recognized builders hardware supplier whose principal office and place of business is located within 150 miles of the project site, who has been furnishing hardware in the project's vicinity for a period of not less than five (5) years; and who is, or has in full time employment an Architectural Hardware Consultant (AHC) in good standing as certified by the American Society of Architectural Hardware Consultants, or equivalent, and who is a direct distributor of the products approved, for warranty purposes. This paragraph will be strictly enforced. All schedules shall be signed by an AHC.
- F. Refer to Division 1 Section "Special Conditions" for additional information and minimum experience requirements.
- G. Products and installation under the work of this Section shall be in compliance with, in part, at least the more stringent provisions of the following, either the latest edition or latest adopted edition of the locality, and all revisions and amendments thereto:
  - 1. Americans With Disabilities Act of 1990 (ADA) "Accessibility Guidelines" (ADA-AG), and all revisions and amendments thereto.
  - 2. "2010 ADA Standards for Accessible Design", Published in the Federal Register September 15, 2010.
  - 3. American National Standards Institute (ANSI), ANSI A 117.1, 2009.
  - 4. Uniform Federal Accessibility Standards (UFAS).
  - 5. International Building Code, either the latest edition or latest adopted edition of the locality as applicable at the project locale.
  - 6. Where this requires any substitution of products specified herein, advise Architect in writing for necessary approvals.

#### **1.05 SUBMITTALS:**

- A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.
- B. The finish hardware supplier shall, after award of a formal contract submit to the architect, six (6) complete computerized or typewritten (handwritten are not acceptable) copies of the proposed finish hardware schedule for approval. The schedule shall be prepared using the "sequence and format" for the Door and Hardware Institute (DHI). After approval of the schedule the hardware supplier shall provide three (3) copies of this approved schedule to the contractor for file and distribution purposes. Hardware will not be ordered by the hardware supplier until an approved schedule has been received. Horizontal schedules will not be acceptable. Provide vertical format.
- C. When submitting schedules for approval, include two manufacturers' cut sheets on each hardware item proposed. Index it with the use of number or letters or a combination of both, with the hardware schedule. The index numbers/letters are to be in right hand column on the same line as the respective manufacturers' numbers. All manufacturers' numbers shall be indexed even when appearing more than once.
- D. Templates: The hardware supplier shall provide necessary templates and/or physical hardware to all trades requiring them in order that they may cut, reinforce or otherwise prepare their material or product to receive the hardware item. If physical hardware is required by any manufacturer the hardware supplier shall ship to them such hardware via prepaid freight in sufficient time to prevent any delay in the execution of their work.

## **1.06 DELIVERY, STORAGE, AND HANDLING:**

- A. Comply with manufacturer's current written instructions and recommendations.
- B. All items of hardware to be delivered to the job site shall be of completely packaged with all necessary screws, bolts, miscellaneous parts, instructions and where necessary installation templates for manufacturers' suggested installation. All boxes are to have a typed label with door hand, room location, item number and keying to conveniently identify them and their intended location in the building.
- C. A representative of the general contractor shall receive the hardware when delivered at the job site. A dry locked storage space complete with shelving, shall be set aside for the purpose of unpacking, sorting, checking and storage.
- D. Finish hardware shall be delivered to the general contractor by the hardware supplier. Direct factory shipments to the job site are not acceptable.
- E. The hardware shall be jointly inventoried by the representative of the general contractor and the hardware supplier.
- F. Items damaged in shipment shall be replaced promptly and with proper material without additional cost to the general contractor.
- G. All hardware shall be handled in a manner to minimize marring, scratching or damage.
- H. Refer to Division 1 Sections "Summary of Work" and "Special Conditions" for additional information and requirements regarding stored materials.

## **1.07 WARRANTY:**

- A. Provide manufacturers warranties from hardware supplier as follows:
  - 1. Surface Door Closers: Thirty years.
  - 2. Exit Devices: Mechanical: three years, Electro-Mechanical: one year.
  - 3. Locksets: Mortise: three years.
  - 4. All other door hardware: One year.
- B. The above warranties shall be in addition to, shall be in effect simultaneously with, and shall not alter other project or product warranties or guarantees, nor shall they serve as a limitation to other remedies available to the Owner.

## **PART 2 - SPECIFIC REQUIREMENTS**

### **2.01 ACCEPTABLE MANUFACTURERS:**

- A. Requirements for design, grade, function, finish, size and other distinctive qualities of each type of finish hardware is indicated in the hardware schedule at the end of this section.

### **2.02 FINISH OF HARDWARE:**



A. Finish of hardware items shall conform to ANSI A156.18 unless otherwise specified in the hardware sets, and shall be as follows for aluminum, hollow metal and wood doors:

1. Butts Exterior US32D, Interior US26D.
2. Locksets US32D, satin stainless steel, except locks in swimming pool areas shall be 630-AM.
3. Lock Cylinder Housings Match lock or exit device trim.
4. Exit Devices (non-pool area) US26D, satin chrome, except exit device touch pads shall be satin stainless steel.
5. Exit Devices (within pool areas) US26D-AM, satin chrome, except exit device touch Pads shall be 630AM. Pull trims shall be US26D-AM.
6. Deadlocks 626, except 626-AM at pool areas.
7. Push & Pulls 630, except 630-AM at pool areas.
8. Closers 689.
9. Kick, mop, armor plates 630, satin stainless steel
10. Miscellaneous Items 626 or 630
11. Continuous Gear Hinges 628, except at storefront openings, hardware finish shall be anodized aluminum or Kynar paint finish as required to match specified frame and door finish.

### 2.03 HINGES:

A. Templates Hinges: Except for hinges and pivots to be installed entirely (both leaves) into wood doors and frames, provide only template hinges which conform to ANSI whenever applicable.

B. Hinge pins, except as otherwise indicated, shall be as follows:

1. Steel Hinges: Steel Pins.
2. Non-Ferrous Hinges: Stainless Steel Pins
3. Exterior Doors: Non-Removable Pins (NRP) or Security Stud
4. Out-Swing Corridor Doors: Non-Removable Pins (NRP), whether specified in the hardware sets or not.
5. Interior Doors: Non-Rising Pins
6. Tips: Flat button and matching plug, finished to match leaves, except where hospital tip indicated.
7. Three Knuckle.

C. Where projection of door trim is such as to prevent desired degree of opening, the proper hinge width shall be provided to allow the door to clear the trim.

D. Acceptable and approved only as follows:

1. Ives
2. Bommer
3. Lawrence

E. Substitutions allowed only as described under paragraph 1.4.D of this section.

### 2.04 CYLINDERS, KEYS AND KEYING:

A. All lock cylinders shall be master keyed to a new Schlage master key system. Master key system shall be Schlage controlled access, Schlage 29 series, patent expiration date of year 2029. All new cylinders shall 6-pin key removable core type, large format, Schlage LFIC. New cylinders shall be master keyed, keyed alike or keyed different as directed by the owner. New key bittings

shall be an extension of factory records created and maintained by Schlage Lock Company. Provide for future growth in creation of factory bitting list. Provide updated bitting list part number 50-123. Equal products by Sargent and Corbin Russwin will also be accepted.

- B. Supplier shall provide brass temporary construction use cores for all locking devices. The general contractor shall be responsible for removal of temporary cores and the install of permanent cores at the completion of the project. Permanent cylinders and keys shall be tested for proper operation at time of installation by the general contractor. Temporary construction use cores shall be returned to the hardware supplier by the general contractor. The general contractor shall reimburse the hardware supplier for construction cores not returned.
- C. Key Quantities:
  - 1. 12 construction master keys
  - 2. 2 construction control keys
  - 3. 4 operating keys per lock cylinder
  - 4. 5 master keys per mk group created
  - 5. 5 grand master keys
  - 6. 4 permanent control keys
- D. Provide one key control cabinet equal to Lund Deluxe 1200 series complete with all accessories. Capacity shall be 150% of the number of keys required for the project. Supplier should base key cabinet size upon assumption that each lock shall be provided with 4 cut operating keys and that there will be 5 master keys for each master key group created for the grand master key system.

## 2.05 LOCKSETS & LATCHSETS:

- A. Accepted and approved as follows:
  - 1. Schlage L9000 Series, 17A design
  - 2. Sargent 8200 Series, LNP Design
  - 3. Corbin ML2000 Series, PSA Design
- B. Provide function specified in the door hardware sets. All locks shall be equipped with strike dust boxes. Strike size shall be curved lip type, ASA 4 7/8", unless specified otherwise in the door hardware sets. All locks shall be ANSI grade 1, UL listed for fire door use. All locks shall be capable of accepting Schlage LFIC cylinder housings and cores.
- C. Substitutions allowed only as described in paragraph 1.4.D of this section.

## 2.06 SURFACE DOOR CLOSERS

- A. Accepted and approved as follows:
  - 1. LCN 4040XP Series
  - 2. Sargent 280 Series
- B. Requirements:
  - a. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory. ISO 9000 certify closers. Stamp units with date of manufacture code.

- b. Provide door closers with fully hydraulic, full rack and pinion action with high strength cast iron cylinder, and full complement bearings at shaft.
- c. Cylinder Body: 1-1/2 inch (38 mm) diameter with 3/4 inch (19 mm) diameter double heat-treated pinion journal.
- d. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
- e. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards.
- f. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck.
- g. Provide closers with solid forged steel main arms and factory assembled heavy-duty forged forearms for parallel arm closers.
- h. Pressure Relief Valve (PRV) Technology: Not permitted.
- i. Finish for Closer Cylinders, Arms, Adapter Plates, and Metal Covers: Powder coating finish which has been certified to exceed 100 hours salt spray testing as described in ANSI Standard A156.4 and ASTM B117, or has special rust inhibitor (SRI).
- j. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

**2.07 FLAT GOODS:**

- A. Accepted and approved only as follows:
  - 1. Ives \*
  - 2. Trimco
  - 3. Hiawatha
- B. It is the responsibility of the hardware supplier to provide proper screw attachments per wall or floor conditions for door stops.
- C. Provide stops for each and every interior and exterior opening. Wall stops shall be of cast brass or bronze plated finish to match lock trim finish.
- D. Kickplates and armor plates shall be equal to Ives “8400 series” and shall be mounted by sheet metal screws where indicated in hardware sets. All kick plates shall be .050" satin stainless steel, with screw holes drilled.
- E. Substitutions allowed only as described under paragraph 1.4.D of this section.

**2.08 THRESHOLDS AND WEATHERSTRIPPING:**

- A. Accepted and approved as follows:
  - 1. Zero
  - 2. National Guard Products
  - 3. K.N. Crowder
- B. Substitutions allowed only as described under paragraph 1.4.D of this section.

**2.09 EXIT DEVICES**

- A. Accepted and approved only as follows:

1. Von Duprin 98 Series
2. Precision 2000 Series
3. Detex Advantex 10 Series

B. Requirements:

1. Provide exit devices tested to ANSI/BHMA A156.3 Grade 1, and UL listed for Panic Exit or Fire Exit Hardware. Cylinders: Refer to "KEYING" article, herein.
2. Provide touchpad type exit devices, fabricated of brass, bronze, stainless steel, or aluminum, plated to standard architectural finishes to match balance of door hardware.
3. Touchpad: Extend minimum of one half of door width. Match exit device finish, stainless steel for US26, US26D, US28, US32, and US32D finishes; and for all other finishes, provide compatible finish to exit device. No plastic inserts are allowed in touchpads.
4. Provide exit devices with dead latching feature for security and for future addition of alarm kits and/or other electrified requirements.
5. Provide flush end caps for exit devices.
6. Provide exit devices with manufacturer's approved strikes.
7. Provide exit devices cut to door width and height. Install exit devices at height recommended by exit device manufacturer, allowable by governing building codes, and approved by Architect.
8. Mount mechanism case flush on face of doors or provide spacers to fill gaps behind devices. Where glass trim or molding projects off face of door, provide glass bead kits.
9. Provide **hex-key** dogging at non-fire-rated exit devices.
10. Removable Mullions: 2 inches (51 mm) x 3 inches (76 mm) steel tube. Where scheduled as keyed removable mullion, provide type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.
11. Where lever handles are specified as outside trim for exit devices, provide heavy-duty lever trims with forged or cast escutcheon plates. Provide vandal-resistant levers that will travel to 90-degree down position when more than 35 pounds of torque are applied, and which can easily be re-set.
  - 1) Lever Style: Match lever style of locksets.
  - 2) Tactile Warning (Knurling): Where required by authority having jurisdiction. Provide on levers on exterior (secure side) of doors serving rooms considered to be hazardous.
12. Provide UL labeled fire exit hardware for fire rated openings.
13. Provide factory drilled weep holes for exit devices used in full exterior application, highly corrosive areas, and where noted in hardware sets.
14. Provide electrified options as scheduled.

## PART 3 - EXECUTION

### 3.01 INSTALLATION:

- A. Mount hardware units at heights indicated in "recommended locations for builders hardware" for (standard steel doors and frames), (custom steel doors and frames), (wood doors and frames) by the Door and Hardware Institute (DHI), except if otherwise specifically indicated or to comply with requirements of governing regulations, requirements for the disabled or handicapped, or if otherwise directed by the Architect.
- B. Degree of opening for doors with overhead holders, closers, etc., shall be included in the hardware schedule for the Architect's approval.
- C. All hardware shall be installed by tradesmen skilled in the application of commercial grade hardware.

- D. Install each hardware item in compliance with the instructions and recommendations. Securely fasten all parts to be attached. Fit faces of mortised parts snug and flush. Make sure all operating parts move freely and smoothly without binding, sticking or excessive clearance. Wherever cutting and fitting is required to install hardware onto or into surfaces which are later to be painted and finished in another way, the hardware shall be removed and stored prior to the painting or finishing. Items shall then be reinstalled only when the finishes have been completed on the surface to which the hardware is to be applied.
- E. After installation, representative templates, instruction sheets and installation details shall be placed in a file folder to be turned over to the owner when the building is accepted. Included shall be at least five each of any special adjusting and/or installation tools furnished with the hardware by the manufacturers.

### **3.02 ADJUSTING AND CLEANING:**

- A. Adjust and check each operating item of hardware to ensure correct operation and function. Units which cannot be adjusted to operate as intended for the application made shall be replaced.
- B. Final Adjustment: Wherever hardware installation is made more than one month prior to building acceptance or occupancy of a space or area. The installer shall return to the work during the week prior to acceptance or occupancy and make final check and adjustment of all hardware items. Hardware shall be cleaned as necessary to restore current operation, function and finish. Door control devices shall be adjusted to compensate for final operation of heating and ventilating equipment.

### **3.03 PROTECTION:**

- A. Whenever hardware is located in areas where it may be subject to damage during construction by handling, cleaning, etc., (e.g., painting, cleaning of bricks) it shall be protected and/or removed from its location until the hazardous condition is terminated.

### **3.04 GENERAL NOTES:**

- A. Before installation of any hardware begins the contractor's installer shall contact the hardware supplier to discuss any special installation requirements for all hardware items. Their discussion shall include, but not be limited to such items as proper closer mounting, proper fasteners to be used for hardware, locksets and exit device backsets, etc.
- B. Electric power tools should be used on hardware fasteners so as to prevent damage to screw heads.
- C. Hardware supplier should verify all quantities in the following schedule.

### **3.05 SCHEDULES:**

- A. The following is a general listing of hardware requirements and is not intended for use as a final hardware schedule. Any items of hardware required by established standards of practice, or to meet state and local codes shall be furnished whether or not specifically called out in the following listed groups.
- B. Supplier shall supply hardware for every numbered opening, whether specified in the above hardware sets or not. Hardware shall be same as similar openings.

- C. Hardware for aluminum entrance doors is specified in this section and shall be supplied under this section. Hardware supplier shall deliver hardware to the aluminum door supplier for installation on the doors by the door supplier prior to delivery of doors to the project job site.

**HARDWARE SET 01:**

DOOR NUMBER: 203 (Stairs)

Each to Have:

3	HINGE	5BB1 4.5 X 4.5	IVE
1	CLASSROOM LOCK	L9070T	SCH
1	FSIC CORE	23-030	SCH
1	SURFACE CLOSER	4040XP CUSH MC TBWMS	LCN

**HARWARE SET 02:**

DOOR NUMBER: 108 (Electrical Room)

Each to Have:

3	HINGE	5BB1 4.5 X 4.5	IVE
1	STOREROOM LOCK	L9080T	SCH
1	FSIC CORE	23-030	SCH
1	SURFACE CLOSER	4040XP CUSH MC TBWMS	LCN

**HARDWARE SET 03:**

DOOR NUMBER: 204 (Toilet)

Each to Have:

3	HINGE	5BB1 4.5 X 4.5	IVE
1	PRIVACY SET	L9040 L283-722	SCH

**HARDWARE SET 04:**

DOOR NUMBER: 101C (Concession) – 101D (Concession)

ALL HARDWARE BY COILING COUNTER DOOR MANUFACTURER/SUPPLIER.

**HARDWARE SET 05:**

DOOR NUMBER: 105 (Family Toilet)

Each To Have:

1	CONT. HINGE	224XY	IVE
1	LOCK w/indicator	L9456T L583-363 l283-722	SCH
1	FSIC CORE	23-030	SCH
1	SURFACE CLOSER	4040XP eda MC TBWMS	LCN
1	DOOR SWEEP	8198	ZER
1	THRESHOLD	65A	ZER
1	GASKETING	188	ZER

**HARDWARE SET 06:**

DOOR NUMBER: 102 (Stairs) – 103 (Umpire Room)

Each To Have:

1	CONT. HINGE	224XY	IVE
1	CORRIDOR LOCK	L9456T L583-363	SCH
1	FSIC CORE	23-030	SCH
1	SURFACE CLOSER	4040XP scush MC TBWMS	LCN
1	DOOR SWEEP	8198	ZER
1	THRESHOLD	65A	ZER
1	GASKETING	188	ZER

**HARDWARE SET 07:**

DOOR NUMBER: 104 (Telecom)

Each to Have:

2	CONT. HINGE	224XY	IVE
2	MANUAL FLUSH BOLT	FB458	IVE
1	STOREROOM LOCK	L9080T	SCH
2	OH STOP & HOLDER	90H	GLY
1	MEETING STILE	43STST	ZER
2	DOOR SWEEP	8198	ZER
1	THRESHOLD	65A-226-V3	ZER
1	GASKETING	188	ZER
1	WEATHERSTRIPPING	8217	ZER

**HARDWARE SET 08:**

DOOR NUMBER: 101A (Concessions) – 101B (Concessions)

EACH TO HAVE:

1	CONT. HINGE	224XY	IVE
1	LOCKSET	L9456T	VON
1	FSIC CORE	23-030	SCH
1	SURFACE CLOSER	4040XP SCUSH MC TBWMS	LCN
1	ARMOR PLATE	8400 34" X 1 1/2" LDW B-CS	IVE
1	DOOR SWEEP	8198AA	ZER
1	THRESHOLD	65A	ZER
1	GASKETING	8144S-BK-3M	ZER

**HARDWARE SET 09:**

DOOR NUMBER: 202a (Storage) – 202B (Storage)

Each to Have:

3	HINGE	5BB1 4.5 X 4.5	IVE
1	STOREROOM LOCK	L9080T	SCH

**HARDWARE SET 10:**

DOOR NUMBER: 106 (Men Toilet) – 107 (Women Toilet)

## EACH TO HAVE:

1	CONT. HINGE	224XY	IVE
1	CLASSROOM DEAD LOCK	L463T	SCH
1	FSIC CORE	23-030	SCH
1	PUSH PLATE	8200 6" X 16"	IVE
1	PULL PLATE	8303 8" 6" X 16"	IVE
1	SURFACE CLOSER	4040XP REG ARM MC TBWMS	LCN
1	KICK PLATE	8400 8" X 2" LDW B-CS	IVE
1	DOOR SWEEP	8198AA	ZER
1	THRESHOLD	65A	ZER
1	GASKETING	8144S-BK-3M	ZER

**HARDWARE SET 11:**

DOOR NUMBER: 109 (Storage 109)

## EACH TO HAVE:

2	CONT. HINGE	224XY	IVE
2	MANUAL FLUSH BOLT	FB458	IVE
1	STOREROOM LOCK	L9080T 17A	SCH
2	OH STOP & HOLDER	90H	GLY
1	RAIN DRIP	142	ZER
1	MEETING STILE	43STST	ZER
2	DOOR SWEEP	8198	ZER
1	THRESHOLD	65A-226-V3	ZER
1	GASKETING	188	ZER
1	WEATHERSTRIPPING	8217	ZER

**MANUFACTURER LIST**

<b><u>Code</u></b>	<b><u>Name</u></b>
SCH	Schlage
BY	By Others
ZER	ZERO
VD	Von Duprin
LCN	LCN Closers
IVE	Ives
GLY	Glynn Johnson
SCE	Schlage Electronics

- END OF SECTION -