ADDENDUM No. 3 DATED JUNE 11, 2014
TO THE PROJECT MANUAL and PLANS

(Bid No. 13-14/29) LANEY COLLEGE CHILD CARE REMODEL
PROJECT NO. 6206

This addendum supersedes items of the original contract documents wherein it is inconsistent with it. All other conditions remain unchanged. The following changes, modifications, corrections, additions or clarifications shall apply to the contract documents and shall be made a part of and subject to all of the requirements thereof as if originally specified or shown. It is the responsibility of the bidder to review the list of attachments to ensure that the addendum is full and complete. This Addendum modifies the original Bid Documents for the above Bid. Acknowledge receipt of this addendum in the space provided on the BID FORM. Failure to do so may subject Bidder to disqualification.

List of attachments:

Description | Pages
---|---
Sheet A1.04 Enlarged South Yard Plan | 1 page
Sheet A1.05 Irrigation Plan South Yard | 1 page
Sheet A1.06 Landscape Details | 1 page
ASK-001 Legend | 1 page
ASK-002 Detail 18/A1.03 | 1 page
ASK-003 Graphic for Cabinet | 1 page
ASK-004 Head & Sill at Door 16-4 | 1 page
ASK-005 Jamb at Door 16-4 | 1 page
ASK-006 Door Threshold - Typical | 1 page
ASK-007 Door Types | 1 page
Section 00 4113 Bid Form | 4 pages
Section 08160 Interior Sliding Glass Doors | 4 pages
Section 08420 Aluminum Entrance Doors | 4 pages

Drawings:

Item 1: Reference: Sheet A0.00, Scope of Work, add the following to the end of the second paragraph, “Fire alarm.”

Item 2: Reference Sheet A1.01, Keynote 02.19, revise “See 11/A1.03” to “See 10/A1.03”

Item 3: Reference Sheets A1.01, A1.02 and A1.04, delete the legend and replace with the legend shown on ASK001

Item 4: Reference Sheets A1.02 Add to keynote 02.33, “See Detail 13/A1.02”

Item 5: Reference Sheet A1.04, Add detail 18/A1.03 per ASK 002 to all exterior doors shown 15-1, 16-4 (similar), 16-5, 17-1 and 18-1


Item 8: Reference Sheet A2.00, 1/Layout Floor Plan, Add keynote 06.20, plastic laminate countertop to the center and north cabinet in Room 6 - for a total of three.

Item 9: Reference: Sheet A2.00, 1/Layout Floor Plan, at the children’s restrooms 12 and 19 provide and install 5 toilets in each room. Provide all new shut-off valves, stainless steel braided supply lines and other ancillary items for a complete installation. The toilets shall be American Standard, Baby Devoro 2315.228 with the following accessories, 4019.228 tank components, 5385.010 seat and cover.

Item 10: Reference: Sheet A2.00, 1/Layout Plan, at the children’s restrooms 12 and 19 add blocking in the walls per detail 3/A9.00. On the north and west walls of room 12 and the north wall of room 19, install the blocking from the opposite side of the wall to avoid impacting the existing ceramic tile. Patch the gypsum board. At the west wall of room 19 patch the 4 ¼ x 4 ¼ ceramic tile.

Item 11: Reference Sheet A2.00, 1/Layout Plan, at the jambs of the interior sliding glass doors install 1x6 VGF trim.

Item 12: Reference: Sheet A2.00, 2/Demolition Floor Plan, add keynote 01.06, remove accordion wall and related hardware, to the east wall of room 18 at line 12.

Item 13: Reference: Sheet A3.00, at elevation 3, add blocking per detail 17/A9.02 at each handrail bracket. Replace siding as required to install blocking.

Item 14: Reference: Sheet A3.00, at 3/Covered Play Area Elevations, change to 4/Covered Play Area Elevations. The windows at these elevations are single sliders.

Item 15: Reference: Sheet A5.00, Change keynote 16.05 wording to: “Additive Alternate 6- Replace all (E) 2x4 recessed fixture in the building with ceiling tiles, install surface mounted fixtures, Finelite S15-4'-2T8-SC-120-SUR-C2-0.88, at same location in the center of the new tile. See detail 9/A9.02.”

Item 16: Reference: Sheet A7.00, At door type “M”, interior sliding door, change the number of panels from 6 to 8 panels per ASK 007. See revised specifications for change in glass.

Item 17: Reference: Sheet A9.02, Revise detail 10 to show 4 panels and quad tracks. At the jambs install 1x6 VGF trim.

Item 18: Reference: Sheet A9.02, Add details for Head, Sill and Jambs for door 16-4 per ASK 004 and ASK 005.

Item 19: Reference: Sheet A9.02, Add details for all exterior doors threshold per ASK 006.

Specifications

Item 20: Reference: Specification Section 00 0110 Table of Contents, Add Section 08420 – Aluminum Entrance Doors.

Item 21: Reference: Specification Section 00 4113 Bid Form, delete in its entirety and replace with the attached Section 00 4113 Bid Form.


Description: Article 1.03.B add the following alternates:

Bid Item 6 – Additive Alternate #5. Replace all 2x4 light fixture in the building with ceiling panel and surface mounted light fixture. See keynote 16.04.

Bid Item 7 – Additive Alternate #6. All work at the west yard, sheets A1.04, A1.05, A1.06, from the edge of the existing concrete paving to the perimeter fence. Including, but not limited to, all demolition, grading, paving, stairs, handrails, planting, irrigation, play structures and play surfaces.

Item 24: Reference: Specification Section 08410 - Aluminum Storefront, add article 2.01.B.1.d – Provide Low-E coating to surface #2.


Item 27: Reference: Document 00 11 13 Notice Inviting Bids Item 1.03, add the following to the second paragraph, “Contractor shall be aware that from June 16th to August 11, 2014, the Children’s Center is vacant and work can progress 24 hours 7 days a week within the limits of all local noise ordinances; after August 11, 2014 the Center shall be occupied and Contractor is limited to evening hours to complete the work. Contractor shall be aware that all furniture shall be returned to the Center on August 11, 2014 and shall not be removed for construction activities.

Item 26: Reference: Specification Section 09665 - Resilient Sheet Flooring, add article 2.01.H – Leveling Compound: Per manufacturer’s recommendation and article 3.01.C – Fill voids and hollows with leveling compound to provide a level substrate.

Questions and Answers

1. **Reference A1.01 (Keynote 02.19):** Please clarify the intended extent of the installation area for the wood fence. Does the call out refer ONLY to the 52'-8 1/2” dimensioned on the plan sheet or does it also include the approx. 113 linear feet adjacent to this area?

   **Answer:** Only the 52'-8 ½”.

2. **Reference A1.01 (Keynote 02.19):** The keynote for the wood fence references a different application. The wood fence detail is 10/A1.03.

   **Answer:** See Revision item 2.

3. **Reference A5.00 Reflected Ceiling Plan** (Key Note: 16.05): Does this reflect only the 4 light fixtures the note points to OR Is it typical to all light fixtures on the planning sheet?

   **Answer:** See Revision item 16.

4. **Reference Specification Section 06400, article 2.01.H.2:** In order for us to price out the laminates correctly on the Laney College Child Care Remodel project we are being told by the laminate manufacturer that they need to know what the graphic is going to be.

   **Answer:** See ASK 3. Graphic files to be provided to fabricator.

END OF ADDENDUM NO. 3
REMINDER - BID DATE IS JUNE 17, 2014 AT 2:00 P.M.
IRRIGATION PLAN - SOUTH YARD

GENERAL NOTES:

A. THIS IRRIGATION SYSTEM IS A PARTIAL REPLACEMENT OF AN EXISTING SYSTEM. CONTINUE EXISTING VALVING AND CONNECTIONS TO EXISTING PLANTING AREAS, ADDING BYPASS PIPING IF NECESSARY.

B. BACKFLOW PREVENTERS ARE ASSUMED BE IN PLACE. SEE IRRIGATION NOTE 5 BELOW. BID THE INSTALLATION OF 1 NEW BACKFLOW PREVENTER, SLAB AND LOCKING ENCLOSURE. SEE EQUIPMENT LIST.

C. RAINBIRD ELECTRIC VALVES AS LISTED ARE SUITABLE FOR USE WITH NON-POTABLE WATER PER THE MANUFACTURER.

D. THIS SYSTEM IS DESIGNED TO OPERATE AT 50 PSI AT THE IRRIGATION HEADS. VERIFY THAT THIS PRESSURE IS AVAILABLE PRIOR TO COMMENCING THE WORK.

IRRIGATION NOTES:

1. CLOCK #1 - PERMANENTLY WIRED WALL MOUNT CLOCK. SUPPLY POWER FROM INSIDE BUILDING. ADD RAIN SHUT-OFF VALVE ON ROOF OF ADJACENT BUILDING.

2. PROTECT EXISTING TREES AND PLANTINGS USING TYPICAL GOOD PRACTICES. INCLUDE CUT DO NOT TEAR ROOTS, DO NOT PILE SOIL OR RAISE GRADES ON EXISTING ROOT AREAS, KEEP PLANTS MOIST, AND KEEP ACTIVITY AS FAR FROM STEMS AND TRUNKS AS POSSIBLE. DO NOT COMPACT SOILS WITH EQUIPMENT SUCH AS BY DRIVING OVER ROOT ZONES. FENCE AREAS TO BE PROTECTED WITH TEMPORARY FENCING. LICENSED ARBORIST REPORT: IF ROOTS GREATER THAT 4 INCHES DIAMETER ARE EXPENSE.

3. BACK FLOW PREVENTER: VERIFY THAT THE IRRIGATION REPLACEMENT IS IN LINE WITH AN EXISTING BACKFLOW PREVENTER(S). TEST EXISTING OR NEW BACK FLOW PREVENTER(S) PER SPECIFICATIONS. RESULTS OF THE TEST SHALL BE PROVIDED TO THE

4. SLEEVES: SLEEVE ALL PIPING UNDER PAVING. SEE SPECIFICATIONS. SAWCUT AND PATCH EXISTING PAVING TO MATCH.

5. FOR BIDDING - ALL NOZZLES ARE FULL CIRCLE

IRRIGATION EQUIPMENT LIST

BACKFLOW PREVENTER
PLACE ON CONCRETE SLAB WITH GREEN COATED WIRE LOCKING ENCLOSURE COMMERCIALLY MANUFACTURED FOR THE PURPOSE

SHUT-OFF VALVE:
SIZE PER PRESSURE MAINLINE

PRESSURE REDUCER: SIZE PER PRESSURE MAINLINE

QUICK COUPLER:
(5

POP-UP BODIES FOR SPRINKLER NOZZLES - SEE LEGEND:

VALVE BOXES
TO HAVE VANDAL-RESISTANT BOLT-DOWN LIDS

CLOCKS (1):
RAINMASTER RME SENTAR II MOUNTED ON SOUTH EAVE CONTROLLER WITH HUNTER MINI-CLIK RAIN SHUTOFF SENSOR.

INPUT POWER REQUIRED: 105-130 VAC, 50/60 HZ, 0.5 AMP MAXIMUM, 0.1 AMP IDLE

CLOCK #1
8 STATIONS MINIMUM

TORO 300 SERIES- POP-UP SHRUB BODY  3XX-10-15
TORO 300 SERIES- POP-UP TURF BODY  3XX-00-0X
TORO PRECISION SPRAY SERIES- SHRUB BODY
TORO PRECISION SPRAY SERIES- TURF BODY
3/4" IRRIGATION LINE
1" IRRIGATION LINE
1 1/4" IRRIGATION LINE

BACKFLOW PREVENTER
CLOCK
QUICK COUPLER
PRESSURE REDUCING VALVE
ELECTRIC CONTROL VALVE WITH VALVE NUMBER
SHUT-OFF VALVE
12.5 GALLONS
7 GALLONS
16 GALLONS
15.8 GALLONS
16.3 GALLONS
PROPERTY LINE

ACCESSIBLE PATH OF TRAVEL - SEE GENERAL NOTE ABOVE

REMOVE PLAY SURFACE, HEADER BOARDS AND CONCRETE SLAB BELOW

REMOVE PAVING AND EXCAVATE FOR BASE ROCK. CONCRETE PAVING, U.O.N.

REMOVE GRASS, STOCKPILE FOR REUSE

REMOVE EXCESS AFTER REUSE

2" LANDSCAPE MULCH

8" COMPACTED WOOD FIBER PLAY SURFACE WITH DRAINAGE

4" CONCRETE PAVING

(E) GRASS TO REMAIN

SOD/GRASS, PREPARE SOIL PER SPEC.

GROUND COVER 1

GROUND COVER 2
CONC. REPLACEMENT @ EXT. DOORS - TYP

1/4" STEP DOWN FROM FINISHED FLOOR

SAWCUT & REPLACE (E) CONCRETE WALK AT SLAB ON GRADE

CHIP DOWN SLAB AS REQUIRED TO PLACE CONCRETE ON SUSPENDED SLAB AT DOOR 18-1

2'-0"

SCALE: 3/8" = 1'-0"
Note: Light blue background and black figures.
HEAD AND SILL AT DOOR 16-4

SCALE: 3" = 1'-0"

- REMOVE (E) TRIM - INSTALL TRIM, MILL THICKNESS FLUSH TO (E) FINISH - TYP
- INSTALL TRIM TO MATCH (E) TRIM AT (E) WINDOW LOCATIONS
- SAWCUT AND REMOVE (E) CURB
- CHIP AND PATCH CONCRETE AT SILL AND END OF CURB
- ADD 1X FILLER AT HEAD
- (E) TOP PLATES TO REMAIN

Peralta Community College District
Laney College
Childcare Center
Oakland CA

Gelfand Partners
ARCHITECTS
165 Tenth Street, Suite 100
San Francisco, CA 94103
Tel. 415.346.4040
Fax 415.346.4103
www.gelfand-partners.com

Addendum 3
DSA File 1-C1
DSA App 01-114100
GPA Job: 1402.00

REF DRAWING: A9.02
DATE: June 10, 2014
SCALE: 3" = 1'-0"

ASK-004
JAMB AT DOOR 16-4

SCALE: 3" = 1'-0"

STOREFRONT FRAME
INSTALL TRIM
(E) FRAMING TO REMAIN
#10 X 2 1/2" S.S. SCREW- 2'-0" O.C.

CAULK
CUT SIDING AND SHEATHING, REMOVE WALL
CUT (E) TRIM TO FIT FRAME

ARCHITECTS
Gelfand Partners
165 Tenth Street, Suite 100
San Francisco, CA 94103
Tel. 415. 346 . 4040
Fax 415. 346 . 4103
www. gelfand-partners.com

Addendum 3
DSA File 1-C1
DSA App 01-114100
GPA Job: 1402.00

REF DRAWING: A9.02
DATE: June 10, 2014
SCALE: 3" = 1'-0"

ASK-005
DOOR THREADHOLD - TYPICAL

Scale: 3" = 1'-0"

- ALUMINUM DOOR
- PEMKO 308AV SWEEP
- REMOVE (E) THRESHOLD
- PENKO 256A 6" THRESHOLD
- FLOOR FINISHED
- #10 X 1 1/2" SS FHS INTO EXPANSION SHIELD
- CHIP AND PATCH CONCRETE AT SILL AND END OF CURB
LANEY COLLEGE CHILD CARE REMODEL

DOCUMENT 00 4113

BID FORM

TO THE BOARD OF TRUSTEES OF THE PERALTA COMMUNITY COLLEGE DISTRICT

THIS BID IS SUBMITTED BY:

____________________________________________________________________________________

(Firm/Company Name)

Re: Laney College Child Care Remodel at 900 Fallon Street, Oakland, CA 94607, Project No. 6206, Bid No. 13-14/29

1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an agreement with THE PERALTA COMMUNITY COLLEGE DISTRICT in the form included in the Contract Documents, Document 00 5200 (Agreement), to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Sum and within the Contract Time indicated in this Bid and in accordance with all other terms and conditions of the Contract Documents.

2. Bidder accepts all of the terms and conditions of the Contract Documents, Document 00 1113 (Notice Inviting Bids), and Document 00 2113 (Instructions to Bidders), including, without limitation, those dealing with the disposition of Bid Security. This Bid will remain subject to acceptance for 60 Days after the day of Bid opening, unless there is a bid protest, then 90 days after the day of bid opening.

3. In submitting this Bid, Bidder represents that Bidder has examined all of the Contract Documents, performed all necessary Pre-Bid investigations, received the Pre-Bid conference minutes (if any), and received the following Addenda:

<table>
<thead>
<tr>
<th>Addendum Number</th>
<th>ADDENDUM DATE</th>
<th>Signature of Bidder</th>
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<tbody>
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4. Based on the foregoing, Bidder proposes and agrees to fully perform the Work within the time stated and in strict accordance with the Contract Documents for the following sums of money listed in the following Schedule of Bid Prices:
### BID PRICE

Bid items are described in Section 01 1100 (Summary of Work).

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>ESTIMATED QUANTITY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>TOTAL</th>
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<tbody>
<tr>
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<td>Allowance</td>
<td>----</td>
<td>----</td>
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<td>$5,000.00</td>
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<td>2.</td>
<td>Additive Alternate #1</td>
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<td>3.</td>
<td>Additive Alternate #2</td>
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<td>5.</td>
<td>Additive Alternate #4</td>
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<td>6.</td>
<td>Additive Alternate #5</td>
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<td>7.</td>
<td>Additive Alternate #6</td>
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<td>$</td>
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<tr>
<td>8.</td>
<td>For budget purposes, cost of demolition/installation of storefront doors/windows</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>$</td>
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<tr>
<td>9.</td>
<td>All Work of Contract Documents other than Work separately provided for under other Bid items</td>
<td>----</td>
<td>----</td>
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<td>$</td>
</tr>
</tbody>
</table>

| TOTAL | TOTAL BID PRICE | $ |

Total Bid Price:

(Total Bid Price in Words)

5. Subcontractors for work included in all Bid items are listed on Document 00 4330 (Subcontractors List) submitted herewith.

6. The undersigned Bidder understands that Owner reserves the right to reject this Bid.

7. If written notice of the acceptance of this Bid, hereinafter referred to as Notice of Award, is mailed or delivered to the undersigned Bidder within the time described in Paragraph 2 of this Document 00 4113 or at any other time thereafter before it is withdrawn, the undersigned Bidder will execute and deliver the documents required by Document 00 2113 (Instructions to Bidders) within the times specified therein.

8. Notice of Award or request for additional information may be addressed to the undersigned Bidder at the address set forth below.

9. The undersigned Bidder herewith encloses cash, a cashier’s check, or certified check of or on a responsible bank in the United States, or a corporate surety bond furnished by a surety authorized to do a surety business in the State of California, in form specified in Document 00 2113 (Instructions to Bidders), in the amount of ten percent (10%) of the Total Bid Price and made payable to THE PERALTA COMMUNITY COLLEGE DISTRICT.
10. The undersigned Bidder agrees to commence Work under the Contract Documents on the date established in Document 00 7200 (General Conditions) and to complete all Work within the time specified in Document 00 5200 (Agreement).

11. The undersigned Bidder agrees that, in accordance with Document 00 7200 (General Conditions), liquidated damages for failure to complete all Work in the Contract within the time specified in Document 00 5200 (Agreement) shall be as set forth in Document 00 5200.

12. The names of all persons interested in the foregoing Bid as principals are:

IMPORTANT NOTICE: If Bidder or other interested person is a corporation, give the legal name of corporation, state where incorporated, and names of president and secretary thereof; if a partnership, give name of the firm and names of all individual co-partners composing the firm; if Bidder or other interested person is an individual, give first and last names in full.

NAME OF BIDDER: ________________________________

licensed in accordance with an act for the registration of Contractors, and with license number: ______________________ Expiration: ____________.

___________________________________________ (Principal)

___________________________________________ (Principal)

___________________________________________ (Principal)

I certify (or declare) under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

___________________________________________ (Signature of Bidder)

NOTE: If Bidder is a corporation, set forth the legal name of the corporation together with the signature of the officer or officers authorized to sign contracts on behalf of the corporation. If Bidder is a partnership, set forth the name of the firm together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership.

Business Address: ________________________________

___________________________________________

___________________________________________
Contractor’s Representative(s): __________________________________________

________________________________________ (Name/Title)

________________________________________ (Name/Title)

________________________________________ (Name/Title)

Officers Authorized to Sign Contracts

________________________________________ (Name/Title)

________________________________________ (Name/Title)

________________________________________ (Name/Title)

Telephone Number(s): __________________________________________

(Area Code)  (Number)

(Area Code)  (Number)

Fax Number(s): __________________________________________

(Area Code)  (Number)

(Area Code)  (Number)

Date of Bid: __________________________________________

END OF DOCUMENT
SECTION 08160
INTERIOR SLIDING GLASS DOORS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes glazed aluminum-framed sliding doors, inactive leaves (stationary panels), and frames.

B. Related Requirements:
   1. Section 08710 – Door Hardware.

C. References:
   1. AAMA 611: Anodized Architectural Aluminum.
   2. ASTM B308: Aluminum-Alloy 6061-T6 Standard Structural Profiles
   3. ASTM C1172: Laminated Architectural Flat Glass

1.2 ADMINISTRATIVE REQUIREMENTS

A. Field-verify dimensions and clearances for openings scheduled to receive work of this section.

B. Scheduling:
   1. Ordering and Delivery: Order products with sufficient lead time to avoid delays in project schedule.
   2. Installation: To extent practical, install work after surrounding finish work is complete.

1.3 ACTION SUBMITTALS

A. Product Data: Include fabrication details, aluminum finishes, glass types, installation and operating instructions for each type of sliding door.

B. Shop Drawings:
   1. Include plans, elevations, details, hardware, operational clearances and accessories.
   2. Delegated Design Submittals: For installations not supported from above, provide drawings and calculations signed by an engineer, indicating components and connections, demonstrating compliance with applicable regulations.

C. Samples for Verification:
   1. Extrusions: 6 inches long, showing finish.
   2. Glass: 3 inches square.

D. Warranty: Submit sample of manufacturer’s standard warranty.

1.4 CLOSEOUT SUBMITTALS

A. Operation and maintenance data.

B. Executed warranty.
1.5 QUALITY ASSURANCE
A. Installer: Approved by manufacturer.
B. Engineer for Installations Not Supported from Above: Licensed in project jurisdiction.

1.6 DELIVERY, STORAGE, AND HANDLING
A. Delivery: Deliver products after space is enclosed and wet work is complete.
B. Acceptance: Inspect packaging and report noticeable damage in accordance with manufacturer’s requirements.
C. Storage: Store in original packaging, up to ten degrees from vertical, on level floor surface.
D. Handling: Handle in accordance with manufacturer’s installation instructions and to prevent damage.

1.7 WARRANTY
A. Warranty: Manufacturer’s warranty agreeing to repair or replace components used in interior installations, excluding glass, that fail in materials or workmanship within three years from date of substantial completion.

PART 2 - PRODUCTS

2.1 MANUFACTURER
A. Manufacturer: The Sliding Door Company, Inc.
20235 Bahama St., Chatsworth, CA 91311
Toll Free: 888-433-1333;
Email: tradepro@slidingdoorco.com
Web: www.slidingdoorco.com/tradepro
B. Provide complete system from single manufacturer.
C. Substitutions:
   1. Substitutions will be considered according to Division 01 Requirements.

2.2 COMPONENTS
A. Framing, General:
   1. Material: Aluminum extrusions, 6061 alloy.
   2. Finish:
      a. Clear Anodized Aluminum: AAMA 611, Class II.
B. Top Tracks: 0.064 inch minimum thickness, with number of channels required for door operation indicated.
C. Bottom Tracks:
   1. Aluminum 6061 extrusions, 0.057 inch minimum metal thickness, 0.325 inch high, barrier-free per ADA.
   2. Installation: Surface-mounted.
   3. Channels: Interlocking tracks with number of channels required for door operation indicated.
4. Finish: Clear Anodized Aluminum: AAMA 611, Class II.

D. Doors:
1. Stiles and Rails:
   a. 3 inch sight line, 0.051 inch minimum thickness.
2. Mullions:
   a. Built-In Mullions: 1.5 inch sight line.

A. Glass: Category II Safety Glazing per CPSC 16 CFR 1201.
   1. Laminated Glass: ASTM C1172, 7 mm thick with semi-opaque interlayer at lower section and clear interlayer at upper section.

2.3 HARDWARE

A. Upper Roller Carriages: Vinyl rollers with steel bearings.

B. Lower Carriages: Sliding wheel-to-track with locking mechanism and polyoxymethylene (POM) copolymer wheels with steel bearings.

C. Locks and Latches:
   1. Sliding Door Company, Flush Indent Handle with Thumb turn and Key Lock (Stainless Steel)
   3. Approved equal.
   4. Provide two keys per lockset, labeled to indicate door. Key locksets alike.

D. Door Stop: For head or bottom track, as indicated in shop drawings.

2.4 FABRICATION AND ASSEMBLY

A. Door Design:
   1. Patterns indicated in Drawings.

B. Factory Assembly: Fabricate frame components and doors to finished sizes in factory.

2.5 ACCESSORIES

A. Silicone Adhesive: Clear, construction grade silicone adhesive.

B. Fasteners: As indicated in shop drawings.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify that openings and substrates are acceptable for installation of work of this section.

3.2 INSTALLATION

A. Install systems according to shop drawings and manufacturer’s installation instructions.

3.3 ADJUSTING, CLEANING AND PROTECTION

A. Adjust doors for smooth operation.
B. Comply with manufacturer’s written recommendations for cleaning and maintenance.
C. Clean aluminum and glass surfaces immediately after installing sliding doors.
D. Protect surfaces from impact and from contact with contaminating substances resulting from other construction operations.
E. Clean immediately before substantial completion.

3.4 CLOSEOUT REQUIREMENTS

A. Deliver keys as specified in Section 08710 – Door Hardware.
B. Deliver executed Warranty.

END OF SECTION
SECTION 08420
ALUMINUM ENTRANCE DOORS

PART 1 GENERAL

1.01 Work Included

A. Furnish and install aluminum entrance, entrance door frames complete with hardware, and related components as shown on the drawings and specified in this section.

B. All doors shall be EFCO® Series D500 Wide Stile Entrance Door. Other manufacturers requesting approval to bid their product as an equal must submit the following information fifteen days prior to close of bidding.
   1. A sample door (size and configuration) as per requirements of architect.
   2. Test reports documenting compliance with requirements of Section 1.05.

C. Glass and Glazing
   1. Reference Section 08800 for Glass and Glazing.

D. Single Source Requirement
   1. All products listed in Section 1.02 shall be by the same manufacturer.

1.02 Related Work

A. Section 08410 – Aluminum Storefront
B. Section 08510 – Aluminum Windows
C. Section 08710 – Finished Hardware

1.03 Not Used

1.04 Items Installed but Not Furnished

A. Structural support of the framing, wood framing, structural steel, and final cleaning.

1.05 Laboratory Testing and Performance Requirements

A. Test Units
   1. Air test unit shall be minimum size of 36" (914 mm) x 84" (2134 mm).

B. Test Procedures and Performances
   1. Entrance doors shall conform to all requirements for the door type referenced in 1.01.B. In addition, the following specific performance requirements shall be met.
      2. Air Infiltration Test
         a. With door sash closed and locked, test unit in accordance with ASTM E 283 at a static air pressure difference of 1.57 psf (75 Pa).
         b. Air infiltration shall not exceed .50 cfm/SF (2.54 l/s•m²) of unit, for single doors.

C. Project Wind Loads
   1. The system shall be designed to withstand the following loads normal to the plane of the wall:
      a. Positive pressure of 20 psf at non-corner zones.
      b. Negative pressure of 20 psf at non-corner zones.
      c. Negative pressure of 20 psf at corner zones.
1.06 Quality Assurance

A. Provide test reports from AAMA accredited laboratories certifying the performance as specified in 1.05.

B. Test reports shall be accompanied by the entrance door manufacturer's letter of certification stating that the tested door meets or exceeds the referenced performance standard for the appropriate door type.

1.07 Not Used

1.08 Submittals

A. Contractor shall submit shop drawings, finish samples, test reports, and warranties.
   1. Samples of materials as may be requested without cost to owner, i.e., metal, glass, fasteners, anchors, frame sections, mullion section, corner section, etc.

1.09 Warranties

A. Total Entrance Door Installation
   1. The responsible contractor shall assume full responsibility and warrant for one year the satisfactory performance of the total door installation which includes that of the manufacturer supplied doors, hardware, glass (including insulated units), glazing, anchorage and setting system, sealing, flashing, etc., as it relates to air, and structural adequacy as called for in the specifications and approved shop drawings.
   2. Any deficiencies due to such elements not meeting the specifications shall be corrected by the responsible contractor at their expense during the warranty period.

B. Window Material and Workmanship
   1. Provide written guarantee against defects in material and workmanship for 3 years from the date of final shipment.

C. Glass
   1. Provide written warranty for insulated glass units that they will be free from obstruction of vision as a result of dust or film formation on the internal glass surfaces caused by failure of the hermetic seal due to defects in material and workmanship.
   2. Warranty period shall be for 10 (ten) years.

D. Finish
   1. Warranty period shall be for 3 years from the date of final shipment.

PART 2 PRODUCTS

2.01 Material

A. Aluminum
   1. Extruded aluminum shall be 6063-T6 alloy and temper.

B. Hardware
   1. Hardware for entrance doors (check with entrance door manufacturer for compatibility with door) is specified under “Hardware Section” of the specifications and shall be sent to the door manufacturer for application. The finish hardware supplier shall be responsible for furnishing physical hardware and templates of all hardware to the entrance door manufacturer prior to fabrication, and for coordinating hardware delivery requirements with the hardware manufacturer, the general contractor and the entrance door manufacturer to ensure the building project is not delayed.
C. Glass
   1. Glass shall be monolithic as follows:
      a. Exterior lite – 1/4" thick, clear tempered glass.

2.02 Fabrication

A. General
   1. Major portions of the door sections shall have .125" (3 mm) wall thickness. Glazing stop sections shall have .050" (1.2 mm) wall thickness.

B. Entrance Doors
   1. Door stiles and mid-rail shall be no less than 5" (127 mm) wide (not including glass stops).
   2. The bottom rail shall be no less than 10" as required for ADA access.
   3. Door stiles and rails shall have hairline joints at corners. Heavy concealed reinforcement brackets shall be secured with screws and shall be of deep penetration and fillet welded.
   4. Weather stripping shall be wool pile and shall be installed in one stile of pairs of doors and in jamb stiles of center pivoted doors.

C. Glazing
   1. All units shall be dry glazed with extruded pressure fitting aluminum glazing stops, and EPDM gaskets.

D. Finish
   1. Organic
      a. Finish all exposed areas of aluminum windows and components with 50% PVDF Ultraflur™. Color shall be as indicated on drawings.

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PART 3 EXECUTION

3.01 Inspection

A. Job Conditions
   1. Verify that openings are dimensionally within allowable tolerances, plumb, level, clean, provide a solid anchoring surface and are in accordance with approved shop drawings.
   2. Provide for manufacturer representation to conduct pre-installation site meeting.

3.02 Installation

A. Use only skilled tradesmen with work done in accordance with approved shop drawings and specifications.

B. Plumb and align entrance door faces in a single plane for each wall plane and erect doors and materials square and true. Adequately anchor to maintain positions permanently when subjected to normal thermal movement, specified building movement, and specified wind loads.

C. Adjust doors for proper operation after installation.

D. Furnish and apply sealants to provide a weather tight installation at all joints and intersections and at opening perimeters. Wipe off excess material and leave all exposed surfaces and joints clean and smooth.

3.03 Anchorage
A. Adequately anchor to maintain positions permanently when subjected to normal thermal movement, specified building movement, and specified wind loads.

3.04 Protection and Cleaning

A. After completion of entrance installation, entrance doors shall be inspected, adjusted, put into working order and left clean, free of labels, dirt, etc. Protection from this point shall be the responsibility of the general contractor.

END OF SECTION