

**JEFFERSON COUNTY
PURCHASING DEPARTMENT**

ADDENDUM NO. 1

To the Plans and Bidding Requirements, Contract Conditions, and Specifications
for:

**SOUTHEAST TEXAS REGIONAL AIRPORT TERMINAL
RENOVATION**

FOR
JEFFERSON COUNTY, TEXAS

BID NO: 08-046/DC

Bid Date: April 7, 2008; 11:00 AM
Addendum No. 1; **Issued March 20, 2008**

This Addendum replaces Addendum No. 1 for IFB 08-034/DC issued on February 13, 2008.

This Addendum, forms part of the Plans and Bidding Requirements, Contract Conditions, and Specifications for the above referenced Project and modifies the original Plans and Specifications and Contract documents. Bidder shall acknowledge receipt of this addendum in the space provided below, in the proposal (page 00410-1) and acknowledge receipt on the outer envelope of your bid. Failure to acknowledge receipt of this addendum could subject the bidder to disqualification.

The plans and specifications documents for Southeast Texas Regional Airport Terminal Renovation-Demolition are hereby revised by Addendum No. 1 as follows:

**PLANS AND BIDDING REQUIREMENTS, CONTRACT CONDITIONS, AND
SPECIFICATIONS**

**1. BIDDING REQUIREMENTS, CONTRACT CONDITIONS, AND
SPECIFICATIONS**

- I. The following items in the Project Manual have been revised or added to the previous Project Manual.
 - Remove the TABLE OF CONTENTS (5 Pages) and replace with the attached revised TABLE OF CONTENTS.
 - Remove SECTION 01030, ALTERNATIVES, and replace with the attached revised SECTION 01030.

- Add the attached new SECTION 04012, MAINTENANCE OF UNIT MASONRY.
- Remove SECTION 08710, DOOR HARDWARE, and replace with the attached revised SECTION 08710.
- Division 16 (Electrical) was not issued in the original Specifications. Copies of Division 16 are available at the County Engineers Office.

2. PLANS

II. The following item in the Plans has been revised or added to the previous Plans.

- **Sheet E02-02, Electrical Power & Communication Plan – Segment 1: Revise circuiting and add receptacles supporting TSA equipment as noted and shown on updated drawing.**
- **Sheet E02-03, Electrical Power & Communication Plan – Segment 1: Revise circuiting and add receptacles supporting TSA equipment as noted and shown on updated drawing.**
- **Sheet E06-03, Electrical Schedules – Sheet 1: Revise circuiting supporting TSA equipment as shown on updated drawing.**

The referenced electrical sheets are attached as 11X17 prints. Full size prints may be obtained from the County Engineer’s Office.

Attachments: Revised Spec Table of Contents; Revised Spec Section 01030;
 New Spec Section 04012; Revised Spec Section 08710;
 Revised Dwg. E02-02 11x17; Revised Dwg. E02-03 11x17;
 Revised Dwg. E06-03 11x17; Division 16 (Electrical) is available
 At the County Engineer’s Office.

A signed copy of this Addendum should be included in the sealed bid envelope at the time of bid submittal. Failure to acknowledge the receipt of this Addendum could cause the subject bidder to be considered “NONRESPONSIVE,” resulting in disqualification.

RECEIPT ACKNOWLEDGEMENT:

ISSUED BY:

Douglas Anderson III, Purchasing Agent

By: _____

Company: _____

By: _____

Address: _____

City: _____ State: _____

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38
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1 SECTION 08710

2
3 DOOR HARDWARE

4
5
6 PART 1 GENERAL

7
8 1.1 SUMMARY

9
10 A. Section Includes:

- 11 1. Hardware for aluminum, wood and hollow metal doors.
12 2. Thresholds.
13 3. Weatherstripping, seals and door gaskets.
14

15 1.2 REFERENCE STANDARDS

16
17 A. BHMA 1301 - Materials and Finishes.

18
19 B. American National Standards Institute:

- 20 1. ANSI A156.1 - Butts and Hinges.
21 2. ANSI A156.3 - Exit Devices.
22 3. ANSI A156.4 - Door Controls - Closers.
23 4. ANSI A156.7 - Template Hinge Dimensions.
24 5. ANSI A156.13 - Mortise Locks and Latches.
25

26 C. NFPA 80 - Fire Doors and Windows.
27

28 1.3 SUBMITTALS

29
30 A. Hardware Schedule:

- 31 1. Submit hardware supplier's typewritten copies of proposed finish hardware schedule for
32 review.
33 2. Prepare schedule using Sequence and Format for Hardware Schedule as recommended by
34 Door and Hardware Institute (DHI).
35 3. After acceptance of schedule, provide schedule to Architect for file and distribution
36 purposes.
37 4. DO NOT order hardware until acceptable schedule has been received.
38

39 B. Product Data:

- 40 1. Manufacturer's cut sheets for each hardware item.
41 2. Details for type strike plates, length of spindle, hand, backset and bevel of locks, hand
42 and degree of opening for closers and other functions of mechanisms.
43 3. Installation instructions and maintenance information.
44 4. Copies of final hardware schedule reflecting changes made during construction.
45

46 C. Shop Drawings:

- 47 1. Push Plate: Indicate concealed fastening and graphics.
48 2. Thresholds: Indicate thickness of materials, method of anchoring and details of
49 construction.
50
51
52

- 1 D. Certifications: Upon request of Architect, submit hardware manufacturer's letter of
2 compliance that products meet ANSI requirements and have been tested and are grades
3 required by specification.
4
- 5 E. Templates: Furnish templates and accepted finish hardware schedule to door and frame
6 manufacturers for use in fabrication.
7
- 8 F. Maintenance Tools: Deliver hardware adjustment tools for each item of finish hardware.
9
- 10 G. Operation and Maintenance Data: Provide manufacturer's parts list and maintenance
11 instructions for each type of hardware supplied and necessary wrenches and tools required
12 for proper maintenance of hardware.
13

14 1.4 QUALITY ASSURANCE

- 15
- 16 A. Manufacturer's Representative: Furnish services of Architectural Hardware Consultant to
17 prepare hardware schedule, keying, coordination with other trades, consultation with
18 Architect and Owner, and on-site inspections.
19
- 20 B. Fire Resistant Hardware: Comply with requirements of door and frame manufacturer for UL
21 listed assembly; bear UL labels.
22

23 1.5 DELIVERY, STORAGE AND HANDLING

- 24
- 25 A. Package hardware items separately with necessary screws, bolts, miscellaneous parts,
26 instructions, and where necessary, installation templates for installation. Clearly label
27 packages to identify contents and finish location in building.
28
- 29 B. Deliver hardware required for shop application to shop, mill or factory in ample time to not
30 impede progress of work.
31
- 32 C. Receive hardware when delivered. Provide dry, secure lock-up for hardware delivered to
33 project, but not yet installed. Provide space for unpacking, sorting, checking and storage of
34 finish hardware.
35
- 36 D. Control handling and installation of hardware items which are not immediately replaceable so
37 completion of work will not be delayed by hardware losses, both before and after installation.
38
- 39 E. Contractor and hardware supplier shall jointly inventory.
40

41 1.6 WARRANTY

- 42
- 43 A. Submit additional warranty on following items:
44 1. Mortise Locks: Five five year limited warranty.
45 2. Door Closers: Ten year limited warranty.
46
47
48
49
50
51
52

1 PART 2 PRODUCTS

2
3 2.1 BUTT HINGES

- 4
5 A. Available Manufacturers: Subject to compliance with specified requirements manufacturers
6 that may be incorporated into the Work include, but are not limited to, the following.
7 1. Hager Hinge Company
8 2. Ives
9 3. McKinney Manufacturing Company.
10 4. Stanley Hardware, Division of Stanley Works.
11
12 B. Full Mortise Hinges: Five knuckle, ANSI A156.1, with non-rising pins, concealed bearing on
13 doors with closers and plain bearing on other doors.
14
15 C. Non-Removable Pins: Provide butts with set screw in barrel making hinge non-removable
16 when door is in closed position for exterior and interior door with locks and doors, with
17 security controls - card reader, electric strike or magnetic locks.
18
19 D. Heavyweight Concealed Bearing Hinges: Labeled doors over 8'-0" in height, unless doors are
20 labeled with standard weight ball bearing hinges.
21
22 E. Wide Throw Hinges: Where necessary to clear trim or obstacles.
23
24 F. Finish: Dull chrome, US26D.
25
26 G. Minimum Number Hinges for 1-3/4" doors:
27 1. Doors 60" or less in height: Two butts (one pair).
28 2. Doors over 60" and not over 90": Three butts (1-1/2 pair).
29 3. Doors over 90" and not over 120": Four butts (2 pair).
30
31 H. Acceptable Products and Minimum Size Hinges for 1-3/4" Doors:
32 1. Doors up to 3'-0": 4-1/2 x 4-1/2. BB1199 or BB1279 by Hager.
33 2. Doors Up to 3'-1" to 4'-0": 5 x 4-1/2, BB1199 or BB1279 by Hager.
34 3. Doors Over 4'-0": 6 x 4-1/2, BB1199 by Hager.
35 4. Exterior Doors: 5 x 4-1/2, BB1191 by Hager.
36

37 2.2 LOCKSETS AND LATCH SETS

- 38
39 A. Available Manufacturers: Subject to compliance with specified requirements manufacturers
40 that may be incorporated into the Work include, but are not limited to, the following.
41 1. Corbin/Ruswin Architectural Hardware.
42 2. Sargent & Company.
43 3. Schlage Lock Company.
44
45 B. Mortise Locks and Latch Sets: ANSI A 156.13, Series 1000, Grade 1 operational.
46 1. Heavy duty construction with wrought cases, minimum case thickness of 0.093".
47 2. Fronts: 8" x 1-1/4", adjustable to 1/8" in 2" with 2-3/4" backset.
48 3. Minimum Projection of Latch Bolt: 3/4".
49 4. Minimum Throw of Dead Bolt: 1".
50 5. Beveled, rounded or rabbeted faces where required.
51 6. Where lock stiles are too narrow for backsets of locks specified, furnish special backsets.
52

1 C. Lever Handles and Escutcheons:

- 2 1. Cast of forged brass or bronze material, levers supported by internal spring.
3 2. On doors into hazardous areas which are accessible to physically handicapped persons,
4 provide knurled lever contact surfaces.
5 3. Locksets shall be provided with pressure release feature. When outside lever is locked, it
6 is not ridged but will move freely without operating latch bolt or transferring torque to
7 lock chassis.

8
9 D. Finish: Dull chrome, US26D.

10
11 E. Strikes:

- 12 1. Furnish locks and latches with wrought box strikes.
13 2. On single swing doors, provide latch strike plates with minimum lip projection necessary
14 to project from trim.
15 3. On pair of doors with or without astragal, lip projection of latch strike plates shall not
16 extend beyond face of lock style of inactive leaf.
17 4. Size: 4-7/8" x 1-1/4" x 3/32".

18
19 F. Dummy Trim: Match to lock specified on pair of doors, provide complete set both sides of
20 doors.

21
22 G. Acceptable Mortise and Latchsets: Schalge L9000 Series, 06A Design.

23
24 2.3 KEYING

25
26 A. Factory construction masterkeyed locksets based on Owner's existing cylinders. Perform
27 further keying as directed by Owner to match Owner's existing keying program.

28
29 B. Establish keying based on GMK system. Provide following number of keys:

- 30 1. GMK: Six each.
31 2. MK: Six each.
32 3. Change keys: Three for each lock.
33 4. Construction keys: 12 master keys.

34
35 C. Construction Keying: Provide construction cores for locks during construction.

36
37 D. Index, tag and deliver permanent keys in sealed container to Owner.

38
39 E. Contractor to provide installation of permanent cores.

40
41 2.4 EXIT DEVICES

42
43 A. Available Manufacturers: Subject to compliance with specified requirements manufacturers
44 that may be incorporated into the Work include, but are not limited to, the following.

- 45 1. Sargent & Company.
46 2. Von Duprin, Inc.

47
48 B. Description:

- 49 1. Listed under Fire Exit Hardware[™] in accident equipment list of Underwriters
50 Laboratories, ANSI A156.3
51 2. Chassis mounted unit construction with removable covers, identical wall thickness on all
52 types of exit devices.

3. Minimum wall thickness of cross bar: 0.062" or reinforced.
4. Minimum top and bottom rods of vertical rod devices: 3/8" diameter.
5. Stainless steel main arm pivot and springs.
6. Cross bars and arms counterbalanced by springs in both center case and hinge stile case.
7. Base metal stainless steel, brass, or bronze.

C. Finish: Dull Chrome, US26D.

D. Acceptable Products: Von Duprin, 35/98 Series.

2.5 SURFACE MOUNTED DOOR CLOSERS

A. Acceptable Manufacturers: Subject to compliance with specified requirements manufacturers that may be incorporated into the Work include, but are not limited to, the following.

1. Corbin/Ruswin Architectural Hardware,
2. LCN Closer Division.
3. Sargent & Company.
4. Norton Marketing.
5. Sargent & Company.

B. Description:

1. ANSI A156.4, universal regular or parallel arm, nonhanded, nonsized.
2. Rack and pinion construction with compression spring, fully hydraulic.
3. Closing speed, latching speed and backcheck controlled by independently operated concealed key valves.
4. Intensity of backcheck feature to be adjustable.
5. Equipped with spring adjustment allowing adjustment of spring power to suit individual door conditions.
6. Suitable for mounting on 1-3/4" minimum top rail of door.
7. Size as recommended by manufacturer for door size and weight.
8. Provide mounting plates, sex nuts and bolts.
9. No graphics allowed on cover.
10. Provide parallel arms for exterior doors, hall doors, and outswinging interior doors.
11. Provide stop arms for exterior door closers with parallel arms.
12. For doors in areas accessible to physically handicapped persons, provide doors with adjustable opening force and delayed closing actions.

C. Arm Finish: Painted, aluminum enamel.

D. Closer Cover Finish: Sprayed enamel, color selected by Architect.

E. Acceptable Products:

1. Series DC6200 by Corbin/Ruswin Architectural Hardware,
2. Series 4110 and 4111 by LCN Closer Division.
3. Series 281 by Sargent & Company.
4. Series 7500 by Norton Marketing.
5. Series 350 by Sargent & Company.

2.6 DOOR STOPS

A. Available Manufacturers: Subject to compliance with specified requirements manufacturers that may be incorporated into the Work include, but are not limited to, the following.

1 2.9 KICK PLATES
2

- 3 A. Available Manufacturers: Subject to compliance with specified requirements manufacturers
4 that may be incorporated into the Work include, but are not limited to, the following.
5 1. Baldwin Hardware Manufacturing Corporation.
6 2. Hiawatha, Inc.
7 3. Ives.
8 4. Trimco Builders Hardware.
9
- 10 B. Material: Stainless steel, US32D, Satin finish, 20 gage; countersunk fasteners, beveled on four
11 edges.
12
- 13 C. Length:
14 1. Where scheduled on single swing doors: Clear width of door opening between stops, less
15 1/4".
16 2. Pull side where scheduled on single swing doors: Clear width of door, less 1/2".
17 3. Pairs of Doors: Determined by clearance for astragals or other meeting style conditions
18 and comply in principal with requirements specified.
19
- 20 D. Acceptable Product: Series 8400 by Ives.
21

22 2.10 KEY CABINET
23

- 24 A. Surface mounted unit manufactured from patent level cold-rolled furniture steel, electro-
25 welded construction; no sag continuous piano type pin hinge; pin tumbler locking device.
26
- 27 B. Index system including dual tag system, visible key receipt system, three-way visible index and
28 key gathering envelopes.
29
- 30 C. Sized to contain and index keys for project plus 100 percent expansion.
31

32 2.11 FABRICATION
33

- 34 A. Form surfaces true, smooth, and free from burrs; of uniform color, reasonably free from
35 imperfections affecting appearance and serviceability. Dress portions of lock mechanism
36 which come in contact or bear upon other parts to true, smooth surface.
37
- 38 B. Drawings show swing or hand of each door. Finish each item of hardware for proper
39 installation and operation of door swing.
40
- 41 C. Manufacture hardware to conform to published templates, ANSI A156.7, and prepared for
42 machine screw installation. Do not provide hardware which has been prepared for self-
43 tapping sheet metal screws except as specifically indicated.
44
- 45 D. Furnish screws for installation with each hardware item. Provide Phillips flathead screws
46 except as otherwise noted. Finish exposed screws to match hardware finish.
47
- 48 E. Provide concealed fasteners for hardware units which are not exposed when door is closed,
49 except to extent no standard manufacturer units of type specified are available with concealed
50 fasteners.
51
- 52 F. Provide appropriate nuts and thru-bolts with closers.

- 1 G. Provide fasteners which are compatible with bolt unit fastened and substrate, and which will
2 not cause corrosion or deterioration of hardware, base material, or fastener.
3

4 2.12 HARDWARE FINISHES 5

- 6 A. Match finish of each hardware unit at each door or opening. Reduce differences in color and
7 textures as much as possible where base metal or metal forming process is different for
8 individual units of hardware exposed at same door or opening.
9
- 10 B. Architect will determine of acceptability of match with samples and other hardware at each
11 door. Units will be judged when held 2'-0" apart at 3'-0" distance.
12
- 13 C. Finish designations used in schedules and elsewhere are those listed in Materials and Finished
14 Standard 1301 by BHMA.
15

16 PART 3 EXECUTION 17

18 3.1 PREPARATION 19

- 20
- 21 A. Hardware schedule should include thicknesses of door, hand and backset of hardware items,
22 method of fastening and other detail requirements.
23
- 24 B. Check Drawings and door schedule and provide required hardware for openings. Provide
25 required hardware for labeled opening to conform with NFPA 80 and applicable building
26 codes.
27
- 28 C. Coordinate with door and frame manufacturers.
29
- 30 D. Trim undesignated openings with hardware of equal quality and design to that specified for
31 similar opening.
32

33 3.2 INSTALLATION 34

- 35 A. Install finish hardware plumb, level and true to line in accordance with manufacturer's printed
36 instructions and job conditions.
37
- 38 B. Locate hardware to comply with NBHA standards.
39
- 40 C. Install finish hardware to template.
41
- 42 D. Cut and fit to substrate avoiding damage or weakening. Reinforce attachment substrates as
43 necessary for installation and operation.
44
- 45 E. Completely cover cutouts with hardware item.
46
- 47 F. Mortise work to correct location and size without gouging, splintering or causing irregularities
48 in exposed finish work.
49
- 50 G. Surfaces for paint or other finish:
51 1. Where cutting and fitting is required on substrates to be painted or similarly finished,
52 install, fit and adjust hardware prior to finishing.

2. Remove hardware and place in original packaging.
3. Reinstall hardware after finishing operation is complete.

H. Install hardware items affixed to concrete with machine screws and threaded expansion shields.

3.3 ADJUSTING AND CLEANING

- A. Check and adjust each operating hardware item to ensure proper operating or function of unit.
- B. Lubricate moving parts as recommended by hardware manufacturer. Use graphite type lubrication if none other is recommended.
- C. Repair or replace defective materials or units which cannot be adjusted and lubricated to operate freely and smoothly. Reinstall items found improperly installed.
- D. Prior to Final Acceptance date, readjust and relubricate as necessary.

3.4 FIELD QUALITY CONTROL

- A. Instruct Owner's designated personnel in proper adjustment and maintenance of hardware and finishes at time of final hardware adjustment.

3.5 MAINTENANCE

- A. Continued Maintenance Service: Approximately six months after acceptance of hardware in each area:
 1. Re-adjust every item of hardware to restore proper function of doors and hardware.
 2. Consult with and instruct Owner's personnel in recommended additions to maintenance procedures.
 3. Clean and lubricate operational items wherever installed.
 4. Replace hardware items which have deteriorated or failed due to faulty design, materials or installation of hardware units.

3.6 HARDWARE SCHEDULE

Hardware Group No. 001: NOT USED

Hardware Group No. 002

Quantity	Description	Model Number	Finish	Mfr
1	EA CYLINDER	IC TYPE AS REQ TO MATCH OWNER'S SYSTEM X	626	
1	EA	PERM CORE BALANCE OF HARDWARE BY DOOR MANUFACTURER		

See Hardware Group D117A for balance of hardware for door 137B

Hardware Group No. 003: NOT USED

Hardware Group No. 103: Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA OFFICE LOCK	L9050HD 06A X PERMANENT CORE	626	SCH

1	EA	DOOR STOP	WS401CCV (USE FS438 IF WALL STOP WILL NOT WORK)	626	IVE
1	SET	SEALS	5050CL (USE SILENCERS IF SEAL IS NOT REQ. BY CLR CODE)	CLR	NGP

1 Hardware Groups No. 104 – 200 Not Used

2

3 Hardware Group No. 201: Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA STOREROOM LOCK	L9080HD 06A X PERMANENT CORE	626	SCH
1	EA SURFACE CLOSER	4011 OR 4111 EDA TO SUIT CONDITIONS	689	LCN
1	EA KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA DOOR STOP	WS401CCV (USE FS438 IF WALL STOP WILL NOT WORK)	626	IVE
1	SET SEALS	5050CL (USE SILENCERS IF SEAL IS NOT REQ. BY CLR CODE)	CLR	NGP

4

5

6 Hardware Group No. 201H: Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA STOREROOM LOCK	L9080HD 06A X PERMANENT CORE	626	SCH
1	EA SURFACE CLOSER	4011 OR 4111 EDA TO SUIT CONDITIONS	689	LCN
1	EA KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA DOOR STOP	WS401CCV (USE FS438 IF WALL STOP WILL NOT WORK)	626	IVE
1	SET SEALS	5050CL (USE SILENCERS IF SEAL IS NOT REQ. BY CLR CODE)	CLR	NGP

7

8

9 Hardware Groups No. 202 – 203 Not Used

10

11 Hardware Group No. 204MX: Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
6	EA HINGE	5BB1 4.5 X 4.5 X NRP	630	IVE
2	EA MANUAL FLUSH BOLT	FB458	626	IVE
1	EA DUST PROOF STRIKE	DP2	626	IVE
1	EA STOREROOM LOCK	L9480HD 06A X PERMANENT CORE	626	SCH
1	EA ASTRAGAL	139SS	630	NGP
2	EA SURFACE CLOSER	4111 SCUSH	689	LCN
2	EA KICK PLATE	8400 10" X 2" LDW	630	IVE
1	SET SEALS	164V	AL	NGP
2	EA DRIP CAP	16A (4" OVER OPENING WIDTH)	AL	NGP
2	EA DOOR SWEEP	200NA	AL	NGP

12

13 Hardware Group No. 205HIX: Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5 (MATCH EXISTING)	630	IVE
1	EA STOREROOM LOCK	L9080HD 06A X PERMANENT CORE	626	SCH
1	EA SURFACE CLOSER	4011 OR 4111 EDA TO SUIT CONDITIONS	689	LCN
1	EA KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA DOOR HOLDER	FS452-5"	626	IVE
1	SET SEALS	164V	AL	NGP
1	EA DOOR SWEEP	200NA	AL	NGP

1 Hardware Groups No. 508 – 704 Not Used

2

3 Hardware Group No. 705: Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5 NRP	630	IVE
1	EA PANIC HARDWARE	99NL X 990NL	626	VON
1	EA CYLINDER	IC TYPE AS REQ TO MATCH OWNER'S SYSTEM X PERM CORE	626	
1	EA SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA KICK PLATE	8400 10" X 2" LDW	630	IVE
1	SET SEALS	164V	AL	NGP
1	EA DRIP CAP	16A (4" OVER OPENING WIDTH)	AL	NGP
1	EA DOOR SWEEP	200NA	AL	NGP
1	EA THRESHOLD	896 N	AL	NGP

4

5

6 Hardware Group No. 705A: Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA PIVOT SET	7215		IVE
1	EA PIVOT	7215 INT		IVE
1	EA PANIC HARDWARE	33A-NL-OP		VON
1	EA CYLINDER	IC TYPE AS REQ TO MATCH OWNER'S SYSTEM X PERM CORE		
1	EA SURFACE CLOSER	4111 SCUSH X DROP PLATE X SPACER X SHOE SUPPORT		LCN
1	EA DOOR SWEEP	C627A		NGP
1	EA THRESHOLD	896N		NGP
1		PERIMETER SEAL BY DOOR & FRAME MANUFACTURER		

7

8

9 Hardware Group No. 706 Not Used

10

11

12 Hardware Group No. 707: Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA PANIC HARDWARE	99L X 996L X 06 LEVER	626	VON
1	EA CYLINDER	IC TYPE AS REQ TO MATCH OWNER'S SYSTEM X PERM CORE	626	
1	EA SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA KICK PLATE	8400 10" X 2" LDW	630	IVE
1	SET SEALS	5050CL (USE SILENCERS IF SEAL IS NOT REQ. BY CLR CODE)		NGP

13

14 Hardware Groups No. 708 – 900 Not Used

15

16 Hardware Group No. 901: Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA ACCESS CONTROL LOCK	PRO5596-06 X IC CONSTRUCTION CORE X PERMANENT CORE	626	SCE
1	EA SURFACE CLOSER	4011 OR 4111 EDA TO SUIT CONDITIONS	689	LCN
1	EA KICK PLATE	8400 10" X 2" LDW	630	IVE

1	EA	DOOR STOP	WS401CCV (USE FS438 IF WALL STOP WILL NOT WORK)	626	IVE
1	SET	SEALS	5050CL (USE SILENCERS IF SEAL IS NOT REQ. BY CLR CODE)	CLR	NGP

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Hardware Groups No. 902 – 904 Not Used

Hardware Group No. 905IX: Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1HW 4.5 X 4.5 (MATCH EXISTING)	652	IVE
1	EA	MORTISE DEADBOLT	L9462HD X PERMANENT CORE	626	SCH
1	EA	SURFACE CLOSER	4011 OR 4111 EDA TO SUIT CONDITIONS	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	DOOR STOP	WS401CCV (USE FS438 IF WALL STOP WILL NOT WORK)	626	IVE
1	SET	SEALS	5050CL	CLR	NGP
1	EA	DOOR SWEEP	200NA	AL	NGP
1	EA	THRESHOLD	613	AL	NGP

6
7

RE-USE BALANCE OF EXISTING HARDWARE.

8
9

Hardware Group No. 905X: Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1HW 4.5 X 4.5 X NRP (MATCH EXISTING)	630	IVE
1	EA	STOREROOM LOCK	L9480HD 06A X PERMANENT CORE	626	SCH
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	SET	SEALS	164V	AL	NGP
1	EA	DRIP CAP	16A (4" OVER OPENING WIDTH)	AL	NGP
1	EA	DOOR SWEEP	200NA	AL	NGP
1	EA	THRESHOLD	896 N	AL	NGP

11
12

RE-USE BALANCE OF EXISTING HARDWARE.

13
14

Hardware Groups No. A000 – A803 Not Used

15

Hardware Group No. A804A: Provide each PR door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
2	EA	PIVOT SET	7215		IVE
2	EA	PIVOT	7215 INT		IVE
2	EA	PULL/PUSHBAR	9190-0-NO		IVE
2	EA	DOOR SWEEP	C627A		NGP
1	EA	THRESHOLD	613		NGP
1			PERIMETER AND MEETING STILE SEALS BY DR & FR MFR		
2	EA		RE-USE AUTOMATIC OPERATOR SYSTEM		

16
17
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19
20

PROVIDE FINISH TO MATCH EXISTING STOREFRONT.
ALL HARDWARE BY DOOR MANUFACTURER.

1 Hardware Group No. A804AC: Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
2	EA PIVOT SET	7215		IVE
2	EA PIVOT	7215 INT		IVE
2	EA MANUAL FLUSH BOLT	FB458		IVE
1	EA DUST PROOF STRIKE	DP2		IVE
1	EA DEADLOCK	MS1850S		ADA
2	EA CYLINDER	IC TYPE AS REQ TO MATCH OWNER'S SYSTEM X PERM CORE		
2	EA PULL/PUSHBAR	9190-0-NO		IVE
2	EA DOOR SWEEP	C627A		NGP
1	EA THRESHOLD	613		NGP
1		PERIMETER AND MEETING STILE SEALS BY DR & FR MFR		
2	EA	RE-USE AUTOMATIC OPERATOR SYSTEM		

2
3 PROVIDE FINISH TO MATCH EXISTING STOREFRONT.

4 ALL HARDWARE BY DOOR MANUFACTURER EXCEPT CYLINDER.

5
6

7 Hardware Groups No. D000 – D710 Not Used

8
9

Hardware Group No. D711A: Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA CONTINUOUS HINGE	112HD		IVE
1	EA PANIC HARDWARE	33A-NL-OP		VON
4	EA CYLINDER	IC TYPE TO MATCH OWNER'S SYSTEM X PERMANENT CORE		
1	EA SURFACE CLOSER	4111 SCUSH X DROP PLATE X SPACER X SHOE SUPPORT		LCN
1	EA POWER SUPPLY	PS873-AL		VON
1	EA ELECTRONIC HORN	1910-1 (24VDC)		SCE
1	EA KEYSWITCH	653-04 X ATS X HDP X L2		SCE
2	EA KEYSWITCH	653-05 X ATS X HDP X L2		SCE
1	EA DOOR POSITION SWITCH	679-05		SCE

10
11

OPENING IS ALARMED UNLESS DISARMED BY MAINTAINED ACTION KEYSWITCH (REMOTE LOCATION) - ALARMED ACCESS FROM PULL SIDE BY KEY IN EXIT DEVICE TRIM - ALARMED EGRESS FROM PUSH SIDE BY EXIT DEVICE - MOMENTARY ACTION KEY SWITCH ON PUSH OR PULL SIDE ALLOWS UNALARMED USE OF DOOR - GREEN LIGHT ON THE KEY SWITCHES INDICATE WHEN ALARM IS DISABLED - ELECTRICAL REQUIREMENTS: 120VAC @ 1.0 AMPERE - POWER SUPPLY IS SHARED WITH DOOR 137B.

12
13

PROVIDE FINISH TO MATCH EXISTING STOREFRONT.

14
15

ALL HARDWARE BY DOOR MANUFACTURER EXCEPT CYLINDER.

16
17

Hardware Groups No. D712 – D714 Not Used

18
19

Hardware Group No. D715: Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA CONTINUOUS HINGE	112HD	628	IVE
1	EA PANIC HARDWARE	99NL X 990NL	626	VON

3	EA	CYLINDER	IC TYPE TO MATCH OWNER'S SYSTEM X PERMANENT CORE	626	
1	EA	SURFACE CLOSER	4111 SCUSH X DROP PLATE X SPACER X SHOE SUPPORT		LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	SET	SEALS	164V	AL	NGP
1	EA	DRIP CAP	16A - 4" OVER DOOR WIDTH	AL	NGP
1	EA	DOOR SWEEP	200NA	AL	NGP
1	EA	THRESHOLD	896 N	AL	NGP
1	EA	ELECTRONIC HORN	1910-1 (24VDC)	WHT	SCE
1	EA	KEYSWITCH	653-05 X ATS X HDP X L2	630	SCE
1	EA	KEYSWITCH	653-05 X ATS X HDP X L2 X WP	630	SCE
1	EA	DOOR POSITION SWITCH	679-05		SCE

1

OPENING IS ALWAYS ALARMED - ALARMED ACCESS FROM PULL SIDE BY KEY IN EXIT DEVICE TRIM - ALARMED EGRESS FROM PUSH SIDE BY EXIT DEVICE - MOMENTARY ACTION KEY SWITCH ON PUSH OR PULL SIDE ALLOWS UNALARMED USE OF DOOR - GREEN LIGHT ON THE KEY SWITCHES INDICATE WHEN ALARM IS DISABLED - ALARM WILL SOUND WHEN THE DOOR IS OPEN. ALARM ENDS AND RESETS WHEN THE DOOR CLOSES - THIS OPENING SHARES A POWER SUPPLY WITH DOOR 137A AND DOES NOT REQUIRE ANY ADDITIONAL ELECTRICAL POWER.

2

3

Hardware Group No. D715E: Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
1	EA	CONTINUOUS HINGE	112HD	628	IVE
1	EA	PANIC HARDWARE	99EO	626	VON
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	SET	SEALS	164V	AL	NGP
1	EA	DRIP CAP	16A - 4" OVER DOOR WIDTH	AL	NGP
1	EA	DOOR SWEEP	200NA	AL	NGP
1	EA	THRESHOLD	896 N	AL	NGP
1	EA	POWER SUPPLY	PS861	GRY	VON
2	EA	ELECTRONIC HORN	1910-1 (24VDC)	WHT	SCE
1	EA	DOOR POSITION SWITCH	679-05		SCE

4

5

ALWAYS ALARMED - NO ACCESS FROM PULL SIDE - ALARMED EGRESS FROM PUSH SIDE BY EXIT DEVICE - ALARM WILL SOUND WHEN THE DOOR IS OPEN - ALARM ENDS AND RESETS WHEN THE DOOR CLOSES - ELECTRICAL REQUIREMENTS: 120VAC @ 0.6 AMPERE

6

7

8

END OF SECTION

SECTION 04012

MAINTENANCE OF UNIT MASONRY

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes paint removal and cleaning of existing brick clay masonry.

1.2 DEFINITIONS

- A. Very Low-Pressure Spray: Under 100 psi (690 kPa).
- B. Low-Pressure Spray: 100 to 400 psi (690 to 2750 kPa); 4 to 6 gpm (0.25 to 0.4 L/s).
- C. Medium-Pressure Spray: 400 to 800 psi (2750 to 5510 kPa); 4 to 6 gpm (0.25 to 0.4 L/s).
- D. High-Pressure Spray: 800 to 1200 psi (5510 to 8250 kPa); 4 to 6 gpm (0.25 to 0.4 L/s).

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated. Include recommendations for application and use. Include test data substantiating that products comply with requirements.
- B. Cleaning Program.

1.4 QUALITY ASSURANCE

- A. Restoration Specialist Qualifications: Engage an experienced masonry restoration and cleaning firm to perform work of this Section. Firm shall have completed work similar in material, design, and extent to that indicated for this Project with a record of successful in-service performance. Experience installing standard unit masonry is not sufficient experience for masonry restoration work.
- B. Chemical-Cleaner Manufacturer Qualifications: A firm regularly engaged in producing masonry cleaners that have been used for similar applications with successful results, and with factory-trained representatives who are available for consultation and Project-site inspection and assistance at no additional cost.
- C. Cleaning Program: Prepare a written cleaning program that describes cleaning process in detail, including materials, methods, and equipment to be used, protection of surrounding materials, and control of runoff during operations.
- D. Cleaning and Repair Appearance Standard: Cleaned and repaired surfaces are to have a uniform appearance as viewed from 20 feet (6 m) away by Architect. Perform additional

1 paint removal, general cleaning, and spot cleaning of small areas that are noticeably
2 different, so that surface blends smoothly into surrounding areas.
3

4 E. Mockups: Prepare mockups of restoration and cleaning to demonstrate aesthetic effects
5 and set quality standards for materials and execution and for fabrication and installation.

6 1. Cleaning: Clean an area approximately 25 sq. ft. (2.3 sq. m) for each type of masonry
7 and surface condition.

8 a. Test cleaners and methods on samples of adjacent materials for possible
9 adverse reactions. Do not use cleaners and methods known to have
10 deleterious effect.

11 b. Allow a waiting period of not less than seven days after completion of sample
12 cleaning to permit a study of sample panels for negative reactions.

13 2. Approval of mockups does not constitute approval of deviations from the Contract
14 Documents contained in mockups unless Architect specifically approves such
15 deviations in writing.

16 3. Approved mockups may become part of the completed Work if undisturbed at time
17 of Substantial Completion.
18

19 1.5 DELIVERY, STORAGE, AND HANDLING

20
21 A. Deliver materials to Project site in manufacturer's original and unopened containers,
22 labeled with manufacturer's name and type of products.
23

24 1.6 PROJECT CONDITIONS

25
26 A. Weather Limitations: Proceed with installation only when existing and forecasted weather
27 conditions permit masonry restoration and cleaning work to be performed according to
28 manufacturers' written instructions and specified requirements.
29

30 B. Remove paint only when air temperature is between 40 and 85 deg F (4 and 29 deg C).
31

32 1.7 COORDINATION

33
34 A. Coordinate masonry cleaning with public circulation patterns at Project site. Some work is
35 near public circulation patterns. Public circulation patterns cannot be closed off entirely,
36 and in places can be only temporarily redirected around small areas of work. Plan and
37 execute the Work accordingly.
38

39 1.8 SEQUENCING AND SCHEDULING

40
41 A. Order replacement materials at earliest possible date to avoid delaying completion of the
42 Work.

1 PART 2 - PRODUCTS

2
3 2.1 PAINT REMOVERS

- 4
5 A. Solvent-Type Paint Remover: Manufacturer's standard water-rinsable, solvent-type gel
6 formulation for removing paint coatings from masonry.
7 1. Products: Subject to compliance with requirements, available products that may be
8 incorporated into the Work include, but are not limited to, the following:
9 a. PROSOCO; Sure Klean Fast Acting Stripper.

10
11 2.2 CLEANING MATERIALS

- 12
13 A. Hot Water: Water heated to a temperature of 140 to 160 deg F (60 to 71 deg C).
14
15 B. Nonacidic Liquid Cleaner: Manufacturer's standard mildly alkaline liquid cleaner
16 formulated for removing mold, mildew, and other organic soiling from ordinary building
17 materials, including polished stone, brick, aluminum, plastics, and wood.
18 1. Products: Subject to compliance with requirements, available products that may be
19 incorporated into the Work include, but are not limited to, the following:
20 a. PROSOCO; Enviro Klean 2010 All Surface Cleaner.
21

22
23 PART 3 - EXECUTION

24
25 3.1 PROTECTION

- 26
27 A. Comply with chemical-cleaner manufacturer's written instructions for protecting building
28 and other surfaces against damage from exposure to its products. Prevent chemical-
29 cleaning solutions from coming into contact with people, motor vehicles, landscaping,
30 buildings, and other surfaces that could be harmed by such contact.
31 1. Cover adjacent surfaces with materials that are proven to resist chemical cleaners
32 used unless chemical cleaners being used will not damage adjacent surfaces. Use
33 materials that contain only waterproof, UV-resistant adhesives. Apply masking
34 agents to comply with manufacturer's written instructions. Do not apply liquid
35 masking agent to painted or porous surfaces. When no longer needed, promptly
36 remove masking to prevent adhesive staining.
37 2. Keep wall wet below area being cleaned to prevent streaking from runoff.
38 3. Do not clean masonry during winds of sufficient force to spread cleaning solutions
39 to unprotected surfaces.
40 4. Dispose of runoff from cleaning operations by legal means and in a manner that
41 prevents soil erosion, undermining of paving and foundations, damage to
42 landscaping, and water penetration into building interiors.
43

44 3.2 CLEANING MASONRY, GENERAL

- 45
46 A. Proceed with cleaning in an orderly manner; work from bottom to top of each scaffold
47 width and from one end of each elevation to the other. Ensure that dirty residues and
48 rinse water will not wash over cleaned, dry surfaces.

- 1 B. Use only those cleaning methods indicated for each masonry material and location.
2 1. Do not use wire brushes or brushes that are not resistant to chemical cleaner being
3 used. Do not use plastic-bristle brushes if natural-fiber brushes will resist chemical
4 cleaner being used.
5 2. Use spray equipment that provides controlled application at volume and pressure
6 indicated, measured at spray tip. Adjust pressure and volume to ensure that cleaning
7 methods do not damage masonry.
8 a. Equip units with pressure gages.
9 3. For water-spray application, use fan-shaped spray tip that disperses water at an angle
10 of 25 to 50 degrees.
11 4. For heated water-spray application, use equipment capable of maintaining
12 temperature between 140 and 160 deg F (60 and 71 deg C) at flow rates indicated.
13
14 C. Perform each cleaning method indicated in a manner that results in uniform coverage of all
15 surfaces, including corners, moldings, and interstices, and that produces an even effect
16 without streaking or damaging masonry surfaces.
17
18 D. Water Application Methods:
19 1. Water-Spray Applications: Unless otherwise indicated, hold spray nozzle at least 6
20 inches (150 mm) from surface of masonry and apply water in horizontal back and
21 forth sweeping motion, overlapping previous strokes to produce uniform coverage.
22
23 E. Chemical-Cleaner Application Methods: Apply chemical cleaners to masonry surfaces to
24 comply with chemical-cleaner manufacturer's written instructions; use brush application.
25 Do not allow chemicals to remain on surface for periods longer than those indicated or
26 recommended by manufacturer.
27
28 F. Rinse off chemical residue and soil by working upward from bottom to top of each treated
29 area at each stage or scaffold setting. Periodically during each rinse, test pH of rinse water
30 running off of cleaned area to determine that chemical cleaner is completely removed.
31 1. Apply neutralizing agent and repeat rinse if necessary to produce tested pH of
32 between 6.7 and 7.5.
33
34 G. After cleaning is complete, remove protection no longer required. Remove tape and
35 adhesive marks.
36

37 3.3 PAINT REMOVAL

- 38
39 A. Paint Removal with Solvent-Type Paint Remover:
40 1. Remove loose and peeling paint using medium-pressure spray, scrapers, stiff brushes,
41 or a combination of these. Let surface dry thoroughly.
42 2. Apply thick coating of paint remover to painted masonry with natural-fiber cleaning
43 brush, deep-nap roller, or large paint brush.
44 3. Allow paint remover to remain on surface for period recommended by
45 manufacturer. Agitate periodically with stiff-fiber brush.
46 4. Rinse with hot water applied by medium-pressure spray to remove chemicals and
47 paint residue.

1 3.4 CLEANING BRICKWORK

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A. Detergent Cleaning:

1. Wet masonry with cold water applied by low-pressure spray.
2. Scrub masonry with detergent solution using medium-soft brushes until soil is thoroughly dislodged and can be removed by rinsing. Use small brushes to remove soil from mortar joints and crevices. Dip brush in solution often to ensure that adequate fresh detergent is used and that masonry surface remains wet.
3. Rinse with cold water applied by low-pressure spray to remove detergent solution and soil.
4. Repeat cleaning procedure above where required to produce cleaning effect established by mockup.

END OF SECTION

SECTION 01030

ALTERNATES

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Identification of each Alternate by number, and description of basic changes to be incorporated into Work.
2. Documentation of changes to Contract Sum and Contract Time.

1.2 REQUIREMENTS

- A. Submit Alternates with full description of proposed Alternative and effect on adjacent or related components.
- B. Alternates quoted on Bid Form will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in Owner-Contractor Agreement.
- C. Coordinate related work and modify surrounding work to integrate Work of each Alternative.

1.3 SELECTION AND AWARD OF ALTERNATIVES

- A. State the amount to be added to or to be deducted from the Base Bid for Alternates described below and list in Bid Form document or supplement to it, which requests a difference in Bid Price by adding to or deducting from Base Bid price.
- B. Bid will be evaluated on Base Bid price. After determination of preferred lowest bidder, consideration will be given to Alternates and Bid Price adjustments.

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

3.1 SCHEDULE OF ALTERNATES

- A. Alternate No. 1: Refurbished Automatic Entrance including power system, new control system as specified in Section 08460, replace damaged top rail, bottom rail, and side rails, thresholds.

END OF SECTION

