

**Addendum No. 01**

2301 E. Riverside Drive  
Bldg A, Suite 80  
Austin, TX 78741  
(512) 374-9120  
haddoncowan.com

**To:** Prospective Bidders  
**From:** Haddon+Cowan Architects  
**Project:** Bee Cave Clinic  
16018 W SH 71  
Bee Cave, Texas 78738

**Date:** January 16, 2019  
**HCA Project No.:** 18-1006

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated January 10, 2019. Addendum Number 01 issued January 16, 2019 with amendments and additions noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

**Addendum Summary:**

This Addendum consists of:

1. Special Instructions
2. Revisions to Project Manual.

**Special Instructions:**

1. **Date of Pre-Bid is January 21, 2019 at 10:30am.** It was incorrectly stated as February 21, 2019 and is corrected below. Outlook meeting invites were sent to all GC's for January 21<sup>st</sup>.
2. CAD drawings of Site are being provided for the assistance of pricing the site work.

**Project Manual:**

1. Section 00 21 13 Instructions to Bidders:  
**REPLACE** the following paragraph, to correct the Prebid Conference Date:  
4.02.A. A bidders conference has been scheduled for 10:30 a.m. on the 21<sup>st</sup> day of January at the location of Haddon+Cowan Architects.  
2301 E. Riverside Drive  
Building A, Suite 80  
Austin, Texas 78741
2. Section 08 71 00 – Finish Hardware  
**REPLACE** the entire section with the one attached.

**End of Addendum No. 01**

**SECTION 08 71 00**  
**FINISH HARDWARE**

PART 1 – GENERAL:

1.01 SUMMARY:

- A. SECTION INCLUDES THE SUPPLY AND INSTALLATION OF THE FINISH HARDWARE.
- B. RELATED SECTIONS
  - 1. OPENINGS – DIVISION 8 / DIVISION 8
  - 2. ELECTRICAL – DIVISION 16 / DIVISION 26
  - 3. SECURITY – DIVISION 16 / DIVISION 28

1.02 REFERENCES:

- A. DOCUMENTS AND INSTITUTES THAT SHALL BE USED IN ESTIMATING, DETAILING AND INSTALLING THE ITEMS SPECIFIED.
  - 1. INTERNATIONAL BUILDING CODE – CURRENT/ADOPTED EDITION
  - 2. ICC/ANSI A117.1 – ACCESSIBLE AND USABLE BUILDING AND FACILITIES - CURRENT/ADOPTED EDITION
  - 3. NFPA80 –STANDARDS FOR FIRE DOORS AND FIRE WINDOWS – CURRENT/ADOPTED EDITION
  - 4. NFPA101 – LIFE SAFETY CODE – CURRENT/ADOPTED EDITION
  - 5. NFPA105 – INSTALLATION OF SMOKE-CONTROL DOOR ASSEMBLIES – CURRENT/ADOPTED EDITION.
  - 7. ANSI - AMERICAN NATIONAL STANDARDS INSTITUTE
  - 8. BHMA – BUILDERS HARDWARE MANUFACTURERS ASSOCIATION
  - 9. UL – UNDERWRITERS LABRATORY
  - 10. TEXAS ACCESSIBILITY STANDARDS – CURRENT ADOPTED EDITION
  - 11. LOCAL BUILDING CODES

1.03 SUBMITTALS

- A. COMPLY WITH PERTINENT PROVISIONS OF SECTION 01300.
- B. FINISH HARDWARE SCHEDULE TO BE IN VERTICAL FORMAT TO INCLUDE:
  - 1. HEADING #/HARDWARE SET
  - 2. DOOR #, LOCATION, HAND, DEGREE OF OPENING, DOOR SIZE AND TYPE, FRAME SIZE AND TYPE, FIRE RATING
  - 3. QUANTITY, TYPE, STYLE, FUNCTION, PRODUCT, PRODUCT NUMBER, SIZE, FASTENERS, FINISH AND MANUFACTURER OF EACH HARDWARE ITEM.
  - 4. LOCATION OF HARDWARE SET CROSS-REFERENCED TO INDICATIONS ON DRAWINGS BOTH ON FLOOR PLANS AND IN DOOR AND FRAME SCHEDULE.
  - 5. KEYING SCHEDULE
  - 6. TITLE SHEET, INDEX, ABBREVIATIONS, MANUFACTURERS LIST, TEMPLATE LIST AND TEMPLATES.
  - 7. MOUNTING LOCATIONS FOR HARDWARE.
  - 8. EXPLANATION OF ABBREVIATIONS, SYMBOLS, AND CODES CONTAINED IN SCHEDULE.
  - 9. DATE OF THE FINISH HARDWARE SPECIFICATION AND DRAWING / DOOR SCHEDULE USED IN COMPLETING THE FINISH HARDWARE SCHEDULE.

- C. PRODUCT DATA: PROVIDE PRODUCT DATA IN THE FORM OF A BINDER, MANUFACTURER'S TECHNICAL PRODUCT FACT SHEETS FOR EACH ITEM OF HARDWARE. INCLUDE WHATEVER INFORMATION MAY BE NECESSARY TO SHOW COMPLIANCE WITH REQUIREMENTS, INCLUDING INSTRUCTIONS FOR INSTALLATION AND FOR MAINTENANCE OF OPERATING PARTS AND FINISH.
- D. WIRING DIAGRAMS: PROVIDE RISER/ELEVATION AND POINT TO POINT WIRING DIAGRAMS FOR ALL OPENINGS WITH ELECTRIFIED HARDWARE. INCLUDE ALL INFORMATION THAT IS NECESSARY FOR COORDINATION WITH OTHER TRADES.
- E. SAMPLES: PROVIDE SAMPLES AS REQUESTED BY OWNER OR ARCHITECT WITH HEADING # AND DOOR# MARKED ON BOXES. ALL SAMPLES WILL BE RETURNED TO THE CONTRACTOR AND USED ON DOORS FOR WHICH THEY WERE MARKED.
- F. TEMPLATES: PROVIDE TEMPLATES OF FINISH HARDWARE ITEMS TO EACH FABRICATOR OF DOORS, FRAMES AND OTHER WORK TO BE FACTORY OR SHOP PREPARED FOR THE INSTALLATION OF HARDWARE.
- G. KEYING SCHEDULE: AFTER MEETING WITH THE OWNER, A KEYING SCHEDULE SHALL BE SUBMITTED USING KEYSYMBOLS REFERENCED IN DHI MANUAL "KEYING SYSTEMS AND NOMENCLATURE." THE KEYING SCHEDULE SHALL BE INDEXED BY DOOR NUMBER, KEYSYMBOL, HARDWARE HEADING NUMBER, CROSS KEYING INSTRUCTIONS AND SPECIAL KEY STAMPING INSTRUCTIONS.
- H. OPERATIONS AND MAINTENANCE DATA: AT THE COMPLETION OF THE JOB, PROVIDE TO THE OWNER TWO COPIES OF AN OWNER'S OPERATION AND MAINTENANCE MANUAL. THE MANUAL SHALL CONSIST OF A LABELED HARDCOVER THREE RING BINDER WITH THE FOLLOWING TECHNICAL INFORMATION:
  1. TITLE PAGE CONTAINING: PROJECT NAME, ADDRESS AND PHONE NUMBERS. SUPPLIER'S NAME, ADDRESS AND PHONE NUMBERS.
  2. TABLE OF CONTENTS.
  3. COPY OF FINAL FINISH HARDWARE SCHEDULE AND KEYING SCHEDULE
  4. MAINTENANCE INSTRUCTION FOR EACH ITEM OF HARDWARE.
  5. CATALOG PAGES FOR EACH PRODUCT.
  6. INSTALLATION INSTRUCTIONS AND PARTS LIST FOR ALL LOCKS, EXIT DEVICES AND DOOR CLOSERS.

#### 1.04 QUALITY ASSURANCES

- A. SUBSTITUTIONS: REQUEST FOR SUBSTITUTIONS SHALL NOT BE ACCEPTED WITHIN THIS PROJECT. ARCHITECT, OWNER AND HARDWARE CONSULTANT HAVE SELECTED ONE (1) SPECIFIED AND TWO (2) EQUALS LISTED HEREINAFTER IN THE HARDWARE SCHEDULE. BY THIS SELECTION PROCESS THEY HAVE ESTABLISHED THREE (3) EQUAL PRODUCTS FOR COMPETITIVE PRICING, WHILE INSURING NO UNNECESSARY DELAYS BY A SUBSTITUTION PROCESS. IF ANY SPECIFIED PRODUCT IS LISTED AS A "NO SUBSTITUTION" PRODUCT, THIS PRODUCT WILL BE SUPPLIED AS SPECIFIED, WITH NO ALTERATION OR REQUEST OF SUBSTITUTION. THE REASON FOR THIS IS TO COMPLY WITH THE UNIFORMITY ESTABLISHED AT THIS PROJECT. PARTS AND SUPPLIES ARE INVENTORIED FOR THESE PARTICULAR PRODUCTS FOR EASE AND STANDARDIZATION OF REPLACEMENT.
- B. SUPPLIER QUALIFICATIONS: SUPPLIER SHALL BE RECOGNIZED ARCHITECTURAL FINISH HARDWARE SUPPLIER, WITH WAREHOUSING FACILITIES, WHO HAVE BEEN FURNISHING HARDWARE IN THE PROJECT

VICINITY FOR A PERIOD OF NOT LESS THAN 2 YEAR AND WHO IS OR EMPLOYS A DHI CERTIFIED AHC OR PERSON WITH A MINIMUM OF 10 YEARS OF EXPERIENCE AS A HARDWARE SUPPLIER. THIS PERSON SHALL BE AVAILABLE AT REASONABLE TIMES DURING THE COURSE OF THE WORK FOR CONSULTATION ABOUT PRODUCTS HARDWARE REQUIREMENTS, TO THE OWNER, ARCHITECT AND CONTRACTOR.

- C. INSTALLER QUALIFICATIONS (MECHANICAL HARDWARE): ALL FINISH HARDWARE SHALL BE INSTALLED BY THE FINISH HARDWARE INSTALLER WITH A MINIMUM OF AT LEAST TWO (2) YEARS DOCUMENTED EXPERIENCE. INSTALLER SHALL ATTEND A PRE-INSTALLATION MEETING BETWEEN THE CONTRACTOR, FINISH HARDWARE SUPPLIER, HARDWARE MANUFACTURERS REPRESENTATIVE FOR LOCKS, CLOSERS AND EXIT DEVICES, ALL DOOR / FRAME SUPPLIERS. THE FINISH HARDWARE INSTALLER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND FUNCTION OF ALL DOORS AND HARDWARE.
- D. INSTALLER QUALIFICATIONS (ELECTRIFIED HARDWARE): ALL ELECTRIFIED FINISH HARDWARE (POWER, LOAD, SWITCH, CONDUCTOR AND MONITORING DEVICE) SHALL BE INSTALLED BY A ELECTRONIC ACCESS CONTROL INSTALLER LICENSED BY THE TEXAS DEPARTMENT OF PUBLIC SAFETY. THE ELECTRIFIED FINISH HARDWARE INSTALLER SHALL HAVE A MINIMUM OF AT LEAST TWO (2) YEARS OF DOCUMENTED EXPERIENCE. INSTALLER SHALL ATTEND A PRE-INSTALLATION MEETING BETWEEN THE CONTRACTOR, FINISH HARDWARE SUPPLIER, ELECTRICAL CONTRACTOR, FIRE ALARM CONTRACTOR, SECURITY CONTRACTOR, HARDWARE MANUFACTURERS REPRESENTATIVE FOR LOCKS, CLOSERS AND EXIT DEVICES, ALL DOOR / FRAME SUPPLIERS. THE ELECTRIFIED FINISH HARDWARE INSTALLER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND FUNCTION OF ALL DOORS AND HARDWARE. INSTALLATION SHALL INCLUDE WIRING ALL ELECTRIFIED PRODUCTS (INCLUDING THE REQUIRED WIRE TO THE POWER SUPPLY AND/OR JUNCTION BOX).

#### 1.05 DELIVERY, STORAGE AND HANDLING

- A. MARKING AND PACKAGING: MARK EACH ITEM OR PACKAGE SEPARATELY, WITH IDENTIFICATION RELATED TO HARDWARE SET NUMBER, DOOR NUMBER AND KEYSYMBOL.
- B. DELIVERY:
  - 1. DELIVER INDIVIDUALLY PACKAGED AND PROPERLY MARKED FINISH HARDWARE AT THE PROPER TIME AND LOCATION TO AVOID ANY DELAYS IN CONSTRUCTION OR INSTALLATION.
  - 2. AT TIME OF DELIVERY, INVENTORY HARDWARE JOINTLY WITH REPRESENTATIVES OF HARDWARE SUPPLIER AND HARDWARE INSTALLER UNTIL EACH IS SATISFIED THAT COUNT IS CORRECT.
- C. STORAGE: STORE HARDWARE IN ENCLOSED, DRY AND LOCKED AREA.

#### 1.06 WARRANTY

- A. ALL FINISH HARDWARE PRODUCTS SHALL BE COVERED BY A 1 YEAR FACTORY WARRANTY FROM THE DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT. EXIT DEVICES SHALL CARRY A 3-YEAR WARRANTY, MECHANICAL DOOR CLOSERS SHALL CARRY A 10-YEAR WARRANTY.

- B. SUPPLY WARRANTY VERIFICATION TO THE OWNER FOR ALL PRODUCTS THAT PROVIDE FACTORY WARRANTY.

1.07 MAINTENANCE:

- A. MAINTENANCE SERVICE
  - 1. NONE
- B. EXTRA MATERIALS:
  - 1. ALL EXTRA SCREWS, FASTENERS, AND ALL SPECIAL INSTALLATION TOOLS FURNISHED WITH THE HARDWARE SHALL BE TURNED OVER TO THE OWNER AT THE COMPLETION OF THE JOB.

PART 2 – PRODUCTS

2.01 MATERIALS

- A. SCREWS AND FASTENERS:
  - 1. ALL CLOSERS AND EXIT DEVICES PROVIDED FOR EXTERIOR DOORS, HOLLOW METAL DOORS, AND ALL OTHER REQUIRED SHALL BE PROVIDED WITH THRU-BOLTS.
  - 2. ALL FINISH HARDWARE SHALL BE INSTALLED TO MANUFACTURER'S RECOMMENDATIONS, USING SCREWS, ATTACHMENTS AND INSTALLATION TOOLS PROVIDED WITH THE HARDWARE. NO OTHER SCREWS OR ATTACHMENTS ARE ACCEPTABLE.
  - 3. ALL OTHER PRODUCTS TO MEET DOOR AND FRAME CONDITIONS.
- B. HINGES:
  - 1. TEMPLATE: PROVIDE TEMPLATED UNITS ONLY.
  - 2. EXTERIOR: ALL EXTERIOR HINGES SHALL BE STAINLESS STEEL BASE AND FINISH. INTERIOR: ALL INTERIOR HINGES STEEL BASED, SATIN CHROME FINISH.
  - 3. INTERIOR CORROSIVE: ALL INTERIOR HINGES AT CORROSIVE AREAS SHALL BE STAINLESS STEEL BASE AND FINISH.
  - 4. EXIT DEVICES: ALL HINGES ON DOORS WITH EXIT DEVICES SHALL BE HEAVY WEIGHT.
  - 5. ELECTRIC HINGE : PROVIDE 8 WIRE.
  - 6. PROVIDE NON-REMOVABLE PINS FOR OUTSWINGING DOORS THAT ARE LOCKED OR ARE LOCKABLE.
  - 7. ALL HINGES ON DOORS WITH DOOR CLOSERS SHALL BE BALL BEARING.
  - 8. ALL HINGES SHALL BE FIVE KNUCKLE.
  - 9. ALL HINGES SHALL BE FULL MORTISE.
  - 10. SIZE: PROVIDE 4 ½ X 4 ½ HINGES ON DOORS UP TO 3'0" IN WIDTH. PROVIDE 5 X 4 ½ HINGES ON DOOR FROM 3'2" TO 4'0" IN WIDTH. REFERENCE MANUFACTURERS CATALOG FOR ALL OTHER SIZES.
  - 11. NUMBER OF HINGES: PROVIDE NUMBER OF HINGES INDICATED BUT NOT LESS THAN 3 HINGES FOR DOOR LEAF FOR DOORS 90" OR LESS IN HEIGHT AND ONE ADDITIONAL HINGE FOR EACH 30" OF ADDITIONAL HEIGHT.
  - 12. THE WIDTH OF HINGE SHALL BE SUFFICIENT TO CLEAR ALL TRIM.
  - 13. SUPPLY FROM THE FOLLOWING LIST OF MANUFACTURERS:
    - MCKINNEY                      MCK
    - IVES                                      IVE
    - BOMMER                              BOM

C. CYLINDRICAL LOCKS/LATCHES

1. PROVIDE CYLINDRICAL LOCKSETS THAT COMPLY WITH ANSI A156.2, SERIES 4000, GRADE 1. FUNCTIONS AS LISTED IN HARDWARE SETS.
2. PROVIDE CYLINDRICAL LOCKSETS THAT MEET ANSI A117.1, ACCESSIBILITY CODE.
3. PROVIDE CYLINDRICAL LOCKSETS THAT MEET UL A LABEL; TO HAVE A MINIMUM LISTING FOR SINGLE DOORS 4' X 8'
4. LEVERS ARE TO BE SOLID. MANUFACTURERS UTILIZING FILLERS OF ANY KIND ARE NOT ACCEPTABLE.
5. LEVERS ARE TO BE PLATED TO MATCH BHMA FINISHES.
6. LATCHBOLT TO BE STEEL WITH MINIMUM 1/2" THROW DEADLATCH ON KEYED AND EXTERIOR FUNCTIONS; 3/4" THROW ANTI-FRICTION LATCHBOLT ON PAIRS OF DOORS.
7. STRIKE TO BE ANSI CURVED LIP, 1 1/4" X 4 7/8", 16 GAUGE, WITH 1" DEEP BOX CONSTRUCTION.
8. SUPPLY FROM THE FOLLOWING LIST OF MANUFACTURERS:  
CORBIN RUSSWIN C-R

D. EXIT DEVICES

1. ALL EXIT DEVICE TYPES ON THIS PROJECT SHOULD BE MANUFACTURED BY THE SAME MANUFACTURER.
2. EXIT DEVICES ARE TO BE ARCHITECTURAL GRADE TOUCH BAR TYPE. MECHANISM CASE TO BE SMOOTH.
3. EXIT DEVICES SHALL MEET ANSI A156.3, 1994, GRADE 1. ALL EXIT DEVICES ARE UL LISTED FOR ACCIDENT HAZARD OR FIRE EXIT HARDWARE.
4. ALL LEVER TRIM TO MATCH LOCK TRIM IN DESIGN AND FINISH.
5. DOGGING: ALL NON-RATED DEVICES ARE TO BE PROVIDED WITH DOGGING UNLESS SHOWN AS LESS DOGGING. CYLINDER DOGGING AS SHOWN IN HARDWARE SETS.
6. EXIT DEVICES ARE TO BE SUPPLIED AND INSTALLED WITH THRU-BOLTS FOR EXTERIOR, HOLLOW METAL DOORS, OR AS REQUIRED FOR APPLICATION.
7. PROVIDE PROPER POWER SUPPLY FOR EXIT DEVICES AS REQUIRED.
8. PUSH PADS SHALL BE METAL, NO PLASTIC INSERTS ALLOWED.
9. EXIT DEVICES SHALL HAVE A FLUSH END CAP.
10. EXIT DEVICES SHALL BE ORDERED WITH THE CORRECT STRIKE FOR APPLICATION.
11. EXIT DEVICES SHALL BE ORDER IN THE PROPER LENGTH TO MEET DOOR WIDTH.
12. EXIT DEVICES SHALL HAVE DEADLATCHING.
13. INSTALL EXIT DEVICES WITH FASTENERS SUPPLIED BY EXIT DEVICE MANUFACTURER.
14. PROVIDE GLASS BEAD KITS AS REQUIRED.
15. PROVIDE PROPER CONCEALED VERTICAL RODS FOR WOOD OR HOLLOW METAL DOORS AS REQUIRED.
16. SUPPLY FROM THE FOLLOWING LIST OF MANUFACTURERS:  
VON DUPRIN VON  
CORBIN RUSWIN C-R

E. DOOR CLOSERS

1. ALL DOOR CLOSERS ON THIS PROJECT SHOULD BE MANUFACTURED BY THE SAME MANUFACTURER.
2. DOOR CLOSERS SHALL MEET THE MINIMUM REQUIREMENTS OF THE 1990 ADA ACT, IN LIEU OF ANSI STANDARD A156.4 AND ANSI, GRADE 1 ON INTERIOR FIRE RATED OPENINGS.

3. DOOR CLOSERS SHALL BE FURNISHED WITH STANDARD COVER. PROVIDE FULL COVER AS SHOWN IN HARDWARE SETS.
4. SIZE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS FOR DOOR SIZE AND CONDITION.
5. DOOR CLOSERS SHALL BE FURNISHED WITH BACKCHECK, DELAYED ACTION, HOLD-OPEN AND ADVANCED BACKCHECK AS LISTED IN THE HARDWARE SETS.
6. DOOR CLOSERS SHALL BE MOUNTED OUT OF THE LINE OF SIGHT WHEREVER POSSIBLE (I.E., ROOM SIDE OF CORRIDOR DOORS, ETC.) WITH PARALLEL ARM MOUNTING ON OUT SWINGING DOORS.
7. PROVIDE AND MOUNT CLOSER TOP JAMB OR ON BRACKETS AND/OR DROP PLATES, WHERE SPECIAL CONDITIONS CALL FOR IT.
8. ALL CLOSER INSTALLATION SHALL INCLUDE THRU BOLTS ON EXTERIOR, HOLLOW METAL DOORS OR WHERE REQUIRED FOR APPLICATION.
9. PROVIDE SPECIAL TEMPLATE WHERE REQUIRED BY APPLICATION (I.E., COORDINATOR INSTALLATION).
10. SUPPLY FROM THE FOLLOWING LIST OF MANUFACTURERS  
CORBIN RUSSWIN C-R

F. DOOR PROTECTION PLATES

1. PROTECTIVE PLATES SHALL MEET ANSI A156.6 REQUIREMENTS FOR .050 THICKNESS.
2. PROTECTION PLATES SHOULD BE FABRICATED FROM STAINLESS STEEL.
3. KICKPLATES SHALL BE 10" BY 2" LESS THAN DOOR WIDTH ON SINGLE DOOR AND 1" LESS THAN DOOR WIDTH ON PAIR OF DOORS OR AS INDICATED IN HARDWARE SETS. BEVELED 3 EDGES.
4. PROVIDE KICKPLATE ON ALL WOOD DOORS WITH CLOSERS, UNLESS NOT REQUIRED FOR AESTHETIC REASONS.
5. SUPPLY FROM THE FOLLOWING LIST OF MANUFACTURERS:  
IVES IVE  
ROCKWOOD ROC  
TRIMCO TRI

G. LOCK GUARDS

1. AT OUTSWINGING EXTERIOR DOORS WITH MORTISE LOCKS OR MORTISE PANIC DEVICE, PROVIDE LOCK GUARD.
2. LOCK GUARD SHOULD BE 13 GAUARD STAINLESS STEEL.
3. LOCK GUARD SHOULD BE THROUGH BOLTED WITH CARRIAGE BOLTS AND NUTS.
4. SUPPLY FROM THE FOLLOWING LIST OF MANUFACTURERS:  
IVES (LG) IVE  
ROCKWOOD ROC  
TRIMCO TRI

H. DOOR STOPS AND HOLDERS:

1. WALL AND FLOOR STOPS: SUPPLY WALL STOPS WHERE NEEDED TO PROTECT DOORS OR DOOR HARDWARE. WHEN WALL CONDITIONS DO NOT PERMIT USE OF WALL STOP PROVIDE FLOOR STOPS WITH RISERS AS NEEDED TO ADJUST FOR FLOOR CONDITIONS.
2. WHERE WALL STOPS ARE USED, INSTALL SO LOCK DOES NOT LOCK UNINTENTIONALLY.
3. OVERHEAD STOPS: WHERE WALL OR FLOORS STOPS ARE NOT APPLICABLE PROVIDE CONCEALED OR SURFACE OVERHEAD STOPS. PROVIDE CONCEALED IN PUBLIC, JURY OR JUDGES AREA. PROVIDE SURFACE IN ALL OTHERS.

4. EXTERIOR STOPS: PROVIDE SECURITY FLOOR STOP.
5. SUPPLY FROM THE FOLLOWING LIST OF MANUFACTURERS:
 

IVES	IVE
GLYNN JOHNSON	GLY
TRIMCO	TRI

I. SILENCERS

1. PROVIDE SILENCERS ON ALL DOORS WITHOUT SEAL. 3 FOR SINGLE DOORS AND 2 FOR PAIRS.
2. PROVIDE SILENCERS AS REQUIRED FOR FRAME CONDITIONS. SR64 FOR HOLLOW METAL FRAMES. SR65 FOR WOOD FRAMES.
3. SUPPLY FROM THE FOLLOWING LIST OF MANUFACTURER'S
 

IVES	IVE
ROCKWOOD	ROC
TRIMCO	TRI

J. THRESHOLDS/WEATHERSTRIPPING

1. ALL THRESHOLDS SHALL CONFORM TO STATE AND LOCAL HANDICAP CODES.
2. SMOKE SEAL SHALL BE TEARDROP DESIGN BULB SEAL.
3. EXTERIOR SEAL/THRESHOLDS SHALL BE SILICONE OR BRUSH AS SHOWN IN HARDWARE SETS.
4. SOUND SEAL SHALL BE SILICONE.
5. DRIP STRIPS SHALL PROTRUDE 2 1/2" AND BE 4" WIDER THAN OPENING..
6. PROVIDE DOOR SWEEPS.
7. PROVIDE UL MEETING STILE GASKETING FOR FIRE RATED DOORS.
8. SUPPLY FROM THE FOLLOWING LIST OF MANUFACTURER'S
 

NATIONAL GUARD	NGP
ZERO	ZER
PEMCO	PEM

2.03 KEYING:

- A. GENERAL: FINISH HARDWARE SUPPLIER SHALL MEET IN PERSON WITH OWNER TO FINALIZE KEYING REQUIREMENTS AND MATCH EXISTING OR START A NEW MASTER KEY SYSTEM FOR THE PROJECT.
- B. CYLINDERS: ALL CYLINDER/CORES ON THIS PROJECT SHOULD BE MANUFACTURED AND PROVIDING IN THE SAME KEYWAY.
- C. CYLINDERS: PROVIDE THE CORRECT AND QUANTITY OF CYLINDERS FOR ALL APPLICATIONS.
- D. KEYS: PROVIDE NICKEL SILVER KEYS ONLY. FURNISH 2 CHANGE KEYS FOR EACH LOCK: 5 CONTROL KEYS: 5 MASTER KEYS FOR EACH MASTER SYSTEM AND 5 GRANDMASTER KEYS FOR EACH GRANDMASTER KEY SYSTEM. DELIVER ALL KEYS TO OWNERS' REPRESENTATIVE.
- E. CORES AND KEYS SHALL BE PROVIDED WITH IDENTIFICATION STAMPING.
- F. PROVIDE CONSTRUCTION KEYING / CONSTRUCTION CORES FOR THIS PROJECT WITH CONSTRUCTIONS KEYS.



2.04 KEY CONTROL:

- A. KEY MANAGEMENT: KEY CONTROL SHALL BE PROVIDED, BY SUPPLYING A COMPLETE KEY STORAGE AND MANAGEMENT SYSTEM. EACH KEY SHALL BE FULLY CUT, INDEXED, TAGGED AND INSTALLED ON CABINET HOOKS BY THE LOCK SUPPLIER AND SHIPPED WITH THE LOCKS. KEY CABINET PROVIDED SHALL BE WALL-MOUNTED TYPE WITH CAPACITY PLUS 50%.

PART 3 – EXECUTION:

3.01 EXAMINATION:

- A. EXAMINE DOORS, FRAMES AND RELATED ITEMS FOR CONDITIONS THAT WOULD PREVENT THE PROPER APPLICATION OF ANY FINISH HARDWARE ITEMS. DO NOT PROCEED WITH INSTALLATION UNTIL ALL DEFECTS ARE CORRECTED.

3.02 INSTALLATION:

- A. FOLLOW DOOR AND HARDWARE INSTITUTE PUBLICATION FOR:  
RECOMMENDED LOCATION FOR ARCHITECTURAL HARDWARE FOR STANDARD STEEL DOORS AND FRAMES  
RECOMMENDED LOCATION FOR BUILDER'S HARDWARE FOR CUSTOM STEEL DOORS AND FRAMES  
RECOMMENDED LOCATIONS FOR ARCHITECTURAL HARDWARE FOR WOOD FLUSH DOOR
- B. FOLLOW ANSI A117.1-1998 ACCESSIBLE AND USABLE BUILDING AND FACILITIES
- C. REVIEW MOUNTING LOCATIONS WITH ARCHITECT.
- D. PRE INSTALLATION MEETING REQUIRED WITH ATTENDEES TO INCLUDE ARCHITECT, CONTRACTOR, MECHANICAL HARDWARE AND ELECTRIFIED HARDWARE INSTALLER, FINISH HARDWARE SUPPLIER AND MANUFACTURER'S REPRESENTATIVE FOR EXIT DEVICE, LOCKS AND CLOSERS BEFORE INSTALLATION BEGINS.

3.03 FIELD QUALITY CONTROL:

- A. AFTER INSTALLATION HAS BEEN COMPLETED, OBTAIN THE SERVICES OF AN ARCHITECTURAL HARDWARE CONSULTANT TO CHECK FOR PROPER INSTALLATION OF FINISH HARDWARE, ACCORDING TO THE FINISH HARDWARE SCHEDULE AND KEYING SCHEDULE. IN ADDITION, CHECK ALL HARDWARE FOR ADJUSTMENTS AND PROPER OPERATION.

3.04 ADJUST AND CLEAN:

- A. ADJUST, CLEAN AND INSPECT ALL HARDWARE, TO ENSURE PROPER OPERATION AND FUNCTION OF EVERY OPENING. REPLACE ITEMS, WHICH CANNOT BE ADJUSTED TO OPERATE FREELY AND SMOOTHLY AS INTENDED FOR THE APPLICATION MADE.

3.05 PROTECTION:

- A. THE GENERAL CONTRACTOR SHALL USE ALL MEANS AT HIS DISPOSAL TO PROTECT ALL FINISH HARDWARE ITEMS FROM ABUSE, CORROSION AND OTHER DAMAGE UNTIL THE OWNER ACCEPTS THE PROJECT AS COMPLETE.

3.06 HARDWARE SCHEDULE

- A. THESE HARDWARE SET SHOWN BELOW ARE FOR USE AS A GUIDELINE. PROVIDE HARDWARE AS REQUIRED TO MEET THE REQUIREMENTS OF THE OPENINGS, SECURITY, AND CODE REQUIREMENTS.

HARDWARE GROUP NO. 001 - CYLINDER ONLY

FOR USE ON MARK/DOOR #(S):

100A                      100B

PROVIDE EACH SL DOOR(S) WITH THE FOLLOWING:

1	EA	CYLINDER	AS REQUIRED	626	C-R
1	EA	CONSTRUCTION CORE	8000	626	C-R

HARDWARE GROUP NO. 002 - HARDWARE BY DOOR/FRAME MANUFACTURER.

FOR USE ON MARK/DOOR #(S):

132                      133                      134                      135                      136                      137  
138                      139

PROVIDE EACH SL DOOR(S) WITH THE FOLLOWING:

ALL HARDWARE BY DOOR/FRAME MANUFACTURER.

HARDWARE GROUP NO. 101 - OFFICE/CLOSER

FOR USE ON MARK/DOOR #(S):

104

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

3	EA	HINGE	TA2714 4.5 X 4.5	626	MCK
1	EA	OFFICE LOCK	CL3351 AZD CT6	626	C-R
1	EA	PERMANENT CORE	8000	626	C-R
1	EA	CLOSER	DC6200/DC6210 AS REQUIRED	689	C-R
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE

HARDWARE GROUP NO. 103 - OFFICE

FOR USE ON MARK/DOOR #(S):

119

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

3	EA	HINGE	T2714 4.5 X 4.5	626	MCK
1	EA	OFFICE LOCK	CL3351 AZD CT6	626	C-R
1	EA	PERMANENT CORE	8000	626	C-R
1	EA	WALL STOP	WS406/407CCV	630	IVE

HARDWARE GROUP NO. 201C - STOREROOM/CLOSER WITH STOP ARM

FOR USE ON MARK/DOOR #(S):

153

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

3	EA	HINGE	TA2714 4.5 X 4.5	626	MCK
1	EA	STOREROOM/CLOSET LOCK	CL3357 AZD CT6	626	C-R
1	EA	PERMANENT CORE	8000	626	C-R
1	EA	CLOSER	DC6210 X A4	689	C-R
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE

HARDWARE GROUP NO. 201X - SCHLAGE ND96HD LOCK/CLOSER

FOR USE ON MARK/DOOR #(S):

113

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

3	EA	HINGE	TA2714 4.5 X 4.5	626	MCK
1	EA	VANDL STOREROOM LOCK	ND96HD RHO	626	SCH
1	EA	PERMANENT CORE	PROVIDED BY BSW	626	UNK
1	EA	CLOSER	DC6200/DC6210 AS REQUIRED	689	C-R
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE

HARDWARE GROUP NO. 203 - STOREROOM/OVERHEAD STOP

FOR USE ON MARK/DOOR #(S):

124

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

3	EA	HINGE	T2714 4.5 X 4.5	626	MCK
1	EA	STOREROOM/CLOSET LOCK	CL3357 AZD CT6	626	C-R
1	EA	PERMANENT CORE	8000	626	C-R
1	EA	WALL STOP	WS406/407CCV	630	IVE

HARDWARE GROUP NO. 205S - STOREROOM/CLOSER/OH STOP

FOR USE ON MARK/DOOR #(S):

156

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

3	EA	HINGE	TA2314 4.5 X 4.5 NRP	630	MCK
1	EA	STOREROOM/CLOSET LOCK	CL3357 AZD CT6	626	C-R
1	EA	PERMANENT CORE	8000	626	C-R
1	EA	LOCK GUARD	LG1	630	IVE
1	EA	OH STOP	90S	630	GLY
1	EA	CLOSER	DC8210 X M83	626	C-R
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	SET	SEALS	162S	AL	NGP
1	EA	DOOR SWEEP	200NA	AL	NGP
1	EA	RAIN DRIP	16	AL	NGP
1	EA	THRESHOLD	425	AL	NGP

HARDWARE GROUP NO. 301 - PRIVACY SET/CLOSER

FOR USE ON MARK/DOOR #(S):

102                      103                      107                      129                      152

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

3	EA	HINGE	TA2714 4.5 X 4.5	626	MCK
1	EA	PRIVACY SET	CL3320 PZD	626	C-R
1	EA	CLOSER	DC6200/DC6210 AS REQUIRED	689	C-R
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE

HARDWARE GROUP NO. 303 - PRIVACY

FOR USE ON MARK/DOOR #(S):

110

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

3	EA	HINGE	T2714 4.5 X 4.5	626	MCK
1	EA	PRIVACY SET	CL3320 PZD	626	C-R
1	EA	WALL STOP	WS406/407CCV	630	IVE

HARDWARE GROUP NO. 401 - PASSAGE SET/CLOSER

FOR USE ON MARK/DOOR #(S):

128                      131

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

3	EA	HINGE	TA2714 4.5 X 4.5	626	MCK
1	EA	PASSAGE SET	CL3310 AZD	626	C-R
1	EA	CLOSER	DC6200/DC6210 AS REQUIRED	689	C-R
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE

HARDWARE GROUP NO. 403 - PASSAGE

FOR USE ON MARK/DOOR #(S):

123A                      151

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

3	EA	HINGE	T2714 4.5 X 4.5	626	MCK
1	EA	PASSAGE SET	CL3310 AZD	626	C-R
1	EA	WALL STOP	WS406/407CCV	630	IVE

HARDWARE GROUP NO. 403S - PASSAGE/OVERHEAD STOP

FOR USE ON MARK/DOOR #(S):

112	114	115	116	117	118
125	126	141	142	144	146
147	148	149	150		

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

3	EA	HINGE	T2714 4.5 X 4.5	626	MCK
1	EA	PASSAGE SET	CL3310 AZD	626	C-R
1	EA	OH STOP	90S J	630	GLY

HARDWARE GROUP NO. 403W - PASSAGE

FOR USE ON MARK/DOOR #(S):

143                    154

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

3	EA	HINGE	TA2714 5 X 4.5	626	MCK
1	EA	PASSAGE SET	CL3310 AZD	626	C-R
1	EA	WALL STOP	WS406/407CCV	630	IVE

HARDWARE GROUP NO. 715S - PANIC HARDWARE WITH PULL TRIM/CLOSER/OH STOP

FOR USE ON MARK/DOOR #(S):

155

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

3	EA	HINGE	T4A3386 4.5 X 4.5 NRP	630	MCK
1	EA	PANIC HARDWARE	LD-99-NL	626	VON
1	EA	CYLINDER	3000 SERIES	626	C-R
1	EA	PERMANENT CORE	8000	626	C-R
1	EA	OH STOP	90S	630	GLY
1	EA	CLOSER	DC8210 X M83	626	C-R
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	SET	SEALS	160S	AL	NGP
1	EA	DOOR SWEEP	200NA	AL	NGP
1	EA	RAIN DRIP	16	AL	NGP
1	EA	THRESHOLD	425	AL	NGP

HARDWARE GROUP NO. C201 - CARD READ/CLOSER/QUICK CONNECT HINGE&LOCK PER ADT/NO REX PER ADT.

FOR USE ON MARK/DOOR #(S):

127

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

2	EA	HINGE	TA2714 4.5 X 4.5	626	MCK
1	EA	HINGE	TA2714 4.5 X 4.5 QC8	626	MCK
1	EA	FAIL SECURE ELECTRIF	CL33905 AZD CT6G ELECTROLYNX	626	C-R
1	EA	PERMANENT CORE	8000	626	C-R
1	EA	CLOSER	DC6200/DC6210 AS REQUIRED	689	C-R
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE

-PROVIDE HARNESS'S AS REQUIRED.

HARDWARE GROUP NO. C201W - CARD READ/CLOSER/QUICK CONNECT HINGE&LOCK PER ADT/NO REX PER ADT.

FOR USE ON MARK/DOOR #(S):

101A                    101B

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

2	EA	HINGE	TA2714 5 X 4.5	626	MCK
1	EA	HINGE	TA2714 5 X 4.5 QC8	626	MCK
1	EA	FAIL SECURE ELECTRIF	CL33905 AZD CT6G ELECTROLYNX	626	C-R
1	EA	PERMANENT CORE	8000	626	C-R
1	EA	CLOSER	DC6200/DC6210 AS REQUIRED	689	C-R
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE

-PROVIDE HARNESS'S AS REQUIRED.

HARDWARE GROUP NO. C705A - CARD READ/CLOSER/CONNECT HINGE&ELECTRIFIED LEVER PER ADT/NO REX PER ADT.

FOR USE ON MARK/DOOR #(S):

105

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

1	EA	CONTINUOUS HINGE	12HD	628	MCK
1	EA	POWER TRANSFER	EPT10 CON	689	VON
1	EA	ELEC PANIC HARDWARE	LD-99-L-E996-07-FSE-CON	626	VON
1	EA	CYLINDER	3000 SERIES	626	C-R
1	EA	PERMANENT CORE	8000	626	C-R
1	EA	CLOSER	DC8210 X M83	626	C-R
1	EA	FLOOR STOP	FS18L	BLK	IVE
1	EA	DOOR SWEEP	200NA	AL	NGP
1	EA	RAIN DRIP	16	AL	NGP
1	EA	THRESHOLD	425	AL	NGP

-PROVIDE HARNESS'S AS REQUIRED.

-PROVIDE MOUNTING ACCESSORIES FOR CLOSER, COORDINATE WITH DOOR/FRAME SUPPLIER.

HARDWARE GROUP NO. K201 - KEYPAD/CLOSER

FOR USE ON MARK/DOOR #(S):

121                    122                    123

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

3	EA	HINGE	TA2714 4.5 X 4.5	626	MCK
1	EA	ELEC CLASSROOM LOCK	CO-200-CY-70-KP-ATH-JDCO6	626	SCE
1	EA	PERMANENT CORE	8000	626	C-R
1	EA	CLOSER	DC6200/DC6210 AS REQUIRED	689	C-R
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE

INGRESS BY THE KEYPAD OR KEY OVERRIDE. EGRESS BY THE LEVER.

HARDWARE GROUP NO. L503S - CONTINUOUS HINGE/CLASSROOM/LEADLINED

FOR USE ON MARK/DOOR #(S):

111A                    111B

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

1	EA	CONTINUOUS HINGE	12HD	628	MCK
1	EA	CLASSROOM LOCK	CL3355 AZD CT6 M28	626	C-R
1	EA	PERMANENT CORE	8000	626	C-R
1	EA	OH STOP	90S	630	GLY
1	SET	SEALS	5050B	BRN	NGP

PROVIDE FASTENERS AND REINFORCEMENT AS REQUIRED FOR WEIGHT OF LEAD LINED DOOR.

END OF SECTION