

# Addendum #3

November 7, 2019

Tracy Unified School District  
Tracy CA, 95376

## CLARIFICATIONS FOR:

**PROJECT# 2019/20-01**

**WILLIAMS MIDDLE SCHOOL NEW DOOR HARDWARE & KEYING**

## GENERAL

THE FOLLOWING REVISIONS AND/OR CLARIFICATIONS SHALL BE MADE TO THE BIDDING REQUIREMENTS AND CONTRACT DOCUMENTS INCLUDING BUT NOT LIMITED TO SUBSEQUENT ADDENDA. REVISE AND AMEND THE DOCUMENTS FOR THE ABOVE-NAMED PROJECT IN ACCORDANCE WITH THIS ADDENDUM. THE BID SHALL REFLECT THESE ADDENDUM CHANGES AND EACH BIDDER SHALL MAKE REFERENCE IN THEIR BID TO THIS ADDENDUM.

ALL BIDDING REQUIREMENTS AND CONTRACT DOCUMENTS SHALL APPLY TO THIS ADDENDUM AS ORIGINALLY INDICATED IN THE APPLICABLE PORTIONS OF THE CONTRACT DOCUMENTS, UNLESS OTHERWISE MODIFIED BY THIS ADDENDUM.

## CHANGES/CLARIFICATIONS:

- 1.1 **CLARIFICATION:** Work can be done earlier than 3:00 pm when students are not present, holidays or minimum days.
- 1.2 **CLARIFICATION:** For 'As-Builts' at project completion a hardware schedule reflective of the final materials/hardware installation will be accepted.
- 1.3 **CLARIFICATION:** All padlocks will receive same key count as door openings.
- 1.4 **CLARIFICATION:** No doors to receive fire rated hardware. If fire ratings are discovered at the time of install, please bring the opening in question to the district for discussion. \*Bid non-rated hardware.
- 1.5 **CLARIFICATION:** If schedule shows passage set, disregard cylinder install.
- 1.6 **CLARIFICATION:** At Administration and Bike area gates input HEX key dogging. Remove CD.
- 1.7 **CLARIFICATION:** Keys will be labeled with door opening per issued floor plan.

- 1.8 CHANGES:** DELETE Williams Middle School Door Hardware and Keying schedule in its entirety and REPLACE with Williams Middle School Door Hardware and Keying schedule included in this addendum.
- 1.9 CHANGES:** DELETE Spec Section 08 71 00 Door Hardware in its entirety and REPLACE with Spec Section 08 71 00 Door Hardware included in this addendum.

End of Addendum #3

WILLIAMS MIDDLE SCHOOL NEW DOOR HARDWARE and KEYING SCHEDULE

DOOR NUMBER	LOCKING DEVICE	CYLINDERS	NOTES
<b>BUILDING A: ADMINISTRATION</b>			
A1 EXT. ENTRY	CD98NL	1EA. MORTISE IC 1EA. RIM	
A2 EXT. HALLWAY	ND 95	2EA. IC CORE	
A3 EXT. ELECTRICAL		2EA. MORTISE IC	
A4 EXT. TEACHERS LOUNGE	ND 95	2EA. IC CORE	
A5 EXT. TEACHERS LOUNGE	ND 95	2EA. IC CORE	
A6 INT. CONFERENCE	ND 91	1EA IC CORE	
A7 INT. STORAGE	ND 96	1EA IC CORE	
A8 INT. PRINCIPAL	ND 91	1EA IC CORE	
A9 INT. RESTROOM	ND 40		NO CYL
A10 INT. NURSE	ND 91	1EA IC CORE	
A11 INT COUNSELOR	ND 91	1EA IC CORE	
A12 INT. WORKROOM	ND 95	1EA IC CORE	
A13 INT. TEACHERS LOUNGE	ND 10		NO LOCKS
A14 INT. HALLWAY	ND 95	1EA IC CORE	PREVENT INTRUDERS FROM ENTERING CAMPUS
A15 INT. ROOM	ND 96	1EA IC CORE	CHANGE TO ND
A16 INT. WOMENS RR		1EA IC MORTISE CORE	CHANGE TO IC CORE ADD HOUSING
A17 INT. MENS RR		1EA IC MORTISE CORE	CHANGE TO IC CORE ADD HOUSING
A18 INT. WAITING ROOM	ND 91	1EA IC CORE	
A19 INT. VP OFFICE	ND 91	1EA IC CORE	
<b>BUILDING B: CLASSROOMS</b>			
B1 EXT. ROOM 1	CD98NL	1EA RIM IC 1EA MORTISE IC	REPLACE EXSISTING PRECISION MORTISE EXIT DEVICE
B2 EXT. ROOM 2	CD98NL	1EA RIM IC 1EA MORTISE IC	REPLACE EXSISTING PRECISION MORTISE EXIT DEVICE
B3 EXT. ROOM 3	ND 95	2EA IC CORE	USE DON JO WRAP
B4 EXT. ROOM 4	CD98NL	1EA RIM IC 1EA MORTISE IC	REPLACE EXSISTING PRECISION MORTISE EXIT DEVICE
B5 EXT. ROOM 5	CD98NL	1EA RIM IC 1EA MORTISE IC	REPLACE EXSISTING PRECISION MORTISE EXIT DEVICE
B6 EXT. ROOM 6	ND 95	2EA IC CORE	USE DON JO WRAP
B7 EXT. ROOM 7	CD98NL	1EA RIM IC 1EA MORTISE IC	REPLACE EXSISTING PRECISION MORTISE EXIT DEVICE
B8 EXT. ROOM 8	CD98NL	1EA RIM IC 1EA MORTISE IC	REPLACE EXSISTING PRECISION MORTISE EXIT DEVICE
B9 EXT. ELECT ROOM		1EA MORTISE IC	CHANGE TO IC CORE ADD HOUSING
<b>BUILDING C: CLASSROOMS</b>			
C1 EXT. LIBRARY: PAIR	2EA CD KITS	1EA RIM 2EA MORTISE	ADD HOUSING
C2 EXT. LIBRARY ELECT ROOM		1EA IC CORE MORTISE	
C3 EXT. LIBRARY STUDY AREA	CD98NL	1EA RIM 1EA MORTISE	

WILLIAMS MIDDLE SCHOOL NEW DOOR HARDWARE and KEYING SCHEDULE

DOOR NUMBER	LOCKING DEVICE	CYLINDERS	NOTES
C4 EXT. ROOM 9A	ND 95	2EA. IC CORE	DON JO WRAP
C5 EXT. ROOM 9	ND 95	2EA IC CORE	DON JO WRAP
C6 EXT. ROOM 10	ND 95	2EA. IC CORE	DON JO WRAP
C7 EXT. ROOM 11	ND 95	2EA IC CORE	DON JO WRAP
C8 EXT. ROOM 12	ND 95	2EA IC CORE	DON JO WRAP
C9 EXT. ROOM 13	ND 95	2EA IC CORE	DON JO WRAP
C10 EXT. WOMENS RR SINGLE COMPARTMENT		1EA MORTISE	CHANGE TO IC ADD HOUSING
C11 EXT. JANITOR ROOF ACCESS		1EA MORTISE	CHANGE TO IC ADD HOUSING
C12 EXT. MENS RR SINGLE COMPARTMENT		1EA MORTISE	CHANGE TO IC ADD HOUSING
C13 EXT. BOYS RR		1EA MORTISE	CHANGE TO IC ADD HOUSING
C14 EXT. GIRLS RR		1EA MORTISE	CHANGE TO IC ADD HOUSING
C15 EXT. ROOM 22	ND 95	2EA MORTISE IC	
C16 EXT. ROOM 23	ND 95	2EA MORTISE IC	
C17 EXT. ROOM 24	ND 95	2EA MORTISE IC	
C18 EXT. LIBRARY	CD98NL	1EA RIM 1EA MORTISE	
C19 INT. LIBRARY OFFICE	ND 91	1EA IC CORE	CHANGE TO ND
C20 INT. LIBRARY OFFICE	ND 91	1EA IC CORE	CHANGE TO ND
C21 INT. LIBRARY TO 9A STORAGE/HALLWAY & EXIT C4	ND 95	2EA IC NCORE	
C22 INT. 9A BOOK STORAGE TO HALLWAY & EXIT C4	ND 96	1EA IC CORE	
<b>BUILDING D</b>			
D1 EXT. MUSIC ROOM 30: PAIR	2EA CD KITS	1EA RIM 2EA MORTISE	
D2 EXT. ROOM 29	CD98NL	1EA RIM 1EA MORTISE	
D3 EXT. ROOM 28	CD98NL	1EA RIM 1EA MORTISE	
D4 EXT. ROOM 27	ND 95	2EA IC CORE	
D5 EXT. ROOM 26	ND 95	2EA IC CORE	
D6 EXT. SHOP ROOM 25	CD98NL	1EA RIM 1EA MORTISE IC	
D7 EXT. SHOP ROOM 25	CD98NL	1EA RIM 1EA MORTISE IC	
D8 EXT. ROOM 26	ND 95	2EA IC CORE	
D9 EXT. STORAGE HALLWAY	ND 95	2EA IC CORE	
D10 EXT. ROOM 27	ND 95	2EA IC CORE	
D11 EXT. ROOM 28	CD98NL	1EA RIM 1EA MORTISE	
D12 EXT. ROOM 29	CD98NL	1EA RIM 1EA MORTISE	
D13 EXT. MUSIC ROOM 30	CD98NL	1EA RIM 1EA MORTISE	
D14 INT. MUSIC ROOM 30 OFFICE	ND 96	1EA IC CORE	
D15 INT. MUSIC PRACTICE ROOM	ND 10		NO LOCKS
D16 INT. MUSIC PRACTICE ROOM	ND 10		NO LOCKS

WILLIAMS MIDDLE SCHOOL NEW DOOR HARDWARE and KEYING SCHEDULE

DOOR NUMBER	LOCKING DEVICE	CYLINDERS	NOTES
D17 INT. MUSIC PRACTICE ROOM	ND 10		NO LOCKS
D18 INT. MUSIC PRACTICE ROOM	ND 10		NO LOCKS
D19 INT. ROOM 29 STORAGE	ND 96	1EA IC CORE	KNOB CHANGE TO ND
D20 INT. ROOM 29 STORAGE	ND 96	1EA IC CORE	KNOB CHANGE TO ND
D21 INT. ROOM 28 STORAGE	ND 96	1EA IC CORE	CHANGE TO ND
D22 INT. ROOM 27 STORAGE	ND 96	IC CORE	CHANGE TO ND
D23 INT. WATER HEATER CLOSET	ND 96	1 EA IC CORE	
D24 INT. ROOM 26 STORAGE	ND 96	IC CORE	CHANGE TO ND
D25 INT. SHOP ROOM 25 STORAGE A	ND 96	1EA IC CORE	
D26 INT. SHOP ROOM 25 OFC	ND 96	1EA IC CORE	
D27 INT. SHOP ROOM 25 ELECT	ND 96	1EA IC CORE	
D28 INT. SHOP ROOM 25 PAINT: PAIR	ND 96	1EA IC CORE	
D29 INT. SHOP ROOM 25 STORAGE B	ND 96	1EA IC CORE	

<b>BUILDING E: MULTI-PURPOSE</b>			
E1 EXT. MP ENTRY:PAIR	CD98NL x CD98EO 4FT	1EA RIM 3EA MORTISE	
E2 EXT. MP ENTRY: PAIR	CD98NL x CD98EO 4FT	1EA RIM 3EA MORTISE	
E3 EXT. BOYS RESTROOM		1EA MORTISE	CHANGE TO IC ADD HOUSING
E4 EXT. GIRLS RESTROOM		1EA MORTISE	CHANGE TO IC ADD HOUSING
E5 EXT. RAMP TO STAGE	CD KIT	1EA RIM 1EA MORTISE	CHANGE TO IC CORE ADD HOUSING
E6 EXT. ELECTRICAL	ND 96		
E7 EXT. GYM: PAIR		1 RIM 3 MORTISE IC	
E8 EXT. GYM: PAIR		1 RIM 3 MORTISE IC	
E9 EXT. GYM: PAIR		1 RIM 3 MORTISE IC	
E10 EXT. BACKSTAGE		1EA RIM 1EA MORTISE	
E11 EXT. MP ENTRY: PAIR		1 RIM 3 MORTISE IC	
E12 EXT. GIRLS LOCKER RM	CD98NL	1EA RIM 1EA MORTISE	
E13 EXT. BOYS LOCKER RM	CD98NL	1EA RIM 1EA MORTISE	
E14 EXT. BOYS LOCKER RM		MORTISE IC CORE	ADD HOUSING
E15 EXT. GIRLS LOCKER RM		MORTISE IC CORE	ADD HOUSING
E16 EXT. INTO E27, E28 & E29	ND 96	1EA IC CORE	
E17 EXT. KITCHEN	ND 96	1EA. IC CORE	
E18 EXT. KITCHEN FROM TRASH LOCATION	ND 96	1EA IC CORE	
E19 INT. KITCHEN OFFICE		1EA IC CORE	
E20 INT. KITCHEN SINGLE RR		1EA MORTISE	CHANGE TO IC ADD HOUSING
E21 INT. KITCHEN OFFICE		1EA IC CORE	
E22 INT. KITCHEN TO SPEED LINE			NO HARDWARE
E23 INT. MP STORAGE: PAIR		1EA MORTISE IC CORE	
E24 INT. MP TO SPEED LINE		1EA IC CORE	CHANGE TO IC ADD HOUSING

WILLIAMS MIDDLE SCHOOL NEW DOOR HARDWARE and KEYING SCHEDULE

DOOR NUMBER	LOCKING DEVICE	CYLINDERS	NOTES
E25 INT. MP TO SPEED LINE		1EA IC CORE	CHANGE TO IC ADD HOUSING
E26 INT. MP TO E27 CUSTODIAL		1EA IC CORE	CHANGE TO IC ADD HOUSING
E27 INT. HALLWAY TO EXIT E16	ND 95	2EA IC CORE	DON JO WRAP
E28 INT. MECHANICAL		1EA MORTISE	CHANGE TO IC ADD HOUSING
E29 INT. ELECTRICAL		1EA MORTISE	CHANGE TO IC ADD HOUSING
E30 INT. GIRLS LOCKER RESTROOMS	ND 95	2EA IC CORE	
E31 INT. GIRLS LOCKER ROOM OFFICE	ND 91	1EA IC CORE	
E32 INT. BOYS LOCKER ROOM OFFICE	ND 91	1EA IC CORE	
E33 INT. ELEVATOR STAGE		1EA STANDARD CORE	
E34 INT. BACKSTAGE STORAGE: PAIR	ND 94	1EA IC CORE	
E35 INT. BACKSTAGE RAMP TO EXIT E10	CD98NL	1EA RIM 1EA MORTISE IC CORE	REPLACE EXSISTING MORTISE EXIT DEVICE
E36 INT. BACKSTAGE STORAGE: PAIR	ND 96	1EA IC CORE	
E37 INT. BACKSTAGE TO EXIT E5		2EA IC CORE	
E38 INT. BACKSTAGE STORAGE TO RAMP EXIT E5		1EA RIM 1EA MORTISE	
E39 INT. GYM CUSTODIAL	ND 96	1EA IC CORE	
E40 INT. GYM STORAGE	ND 96	1EA IC CORE	
E41 INT. GYM STORAGE: PAIR		1EA IC CORE	
E42 INT. GYM STORAGE: PAIR		1EA IC CORE	
<b>BUILDING F</b>			
F1 EXT. WEST HALLWAY: PAIR	CD98NL x CD98EO 3FT	1EA RIM 3EA MORTISE	
F2 EXT. GIRLS RESTROOM	B661P	1EA IC CORE	ADD HOUSING
F3 EXT. ROOM 47	CD98NL 3FT	1EA RIM 1EA MORTISE	
F4 EXT. ROOM 48	CD98NL 3FT	1EA RIM 1EA MORTISE	
F5 EXT. ROOM 49	ND 95	2EA IC CORE	
F6 EXT. ELECT ROOM	ND 96	1EA IC CORE	
F7 EXT. NORTH HALLWAY: PAIR	CD98NL x CD98EO 3FT	1EA RIM 3EA MORTISE	
F8 EXT. ROOM 50	ND 95	2EA IC CORE	
F9 EXT. WORKROOM	ND 96	2EA IC CORE	
F10 EXT. ROOM 51	ND 95	2EA IC CORE	
F11 EXT. ROOM 51	ND 95	2EA IC CORE	
F12 EXT. ROOM 52	ND 95	2EA IC CORE	
F13 EXT. ROOM 52	ND 95	2EA IC CORE	
F14 EXT. ROOM 53	ND 95	2EA IC CORE	
F15 EXT. ROOM 54	ND 95	2EA IC CORE	
F16 EXT. ROOM 55	ND 95	2EA IC CORE	
F17 EXT. ROOM 56	CD98NL 3FT	1EA RIM 1EA MORTISE	
F18 EXT. ROOM 57	CD98NL 3FT	1EA RIM 1EA MORTISE	
F19 EXT. STORAGE	ND 96	1EA IC CORE	
F20 EXT. BOYS RESTROOM	B661P	1EA IC CORE	ADD HOUSING
F21 INT. ROOM 47	ND 95	2EA IC CORE	

WILLIAMS MIDDLE SCHOOL NEW DOOR HARDWARE and KEYING SCHEDULE

DOOR NUMBER	LOCKING DEVICE	CYLINDERS	NOTES
F22 INT. ROOM 48	ND 95	2EA IC CORE	
F23 INT. ROOM 49	ND 95	2EA IC CORE	
F24 INT. MENS RESTROOM	ND 85		
F25 INT. WOMENS RESTROOM	ND 85		
F26 INT. OFFICE/CONF. ROOM	ND 95	2EA IC CORE	
F27 INT. CUSTODIAL ROOM	ND 96	1EA IC CORE	
F28 INT. ROOM 50	ND 95	2EA IC CORE	
F29 INT. ROOM 50/ INT. WORKROOM	ND 95	2EA IC CORE	
F30 INT. ROOM 51/INT. WORKROOM	ND 95	2EA IC CORE	
F31 INT. ROOM 52/INT. WORKROOM	ND 95	2EA IC CORE	
F32 INT. ROOM 53/INT. WORKROOM	ND 95	2EA IC CORE	
F33 INT. ROOM 53	ND 95	2EA IC CORE	
F34 INT. ROOM 54	ND 95	2EA IC CORE	
F35 INT. ROOM 55	ND 95	2EA IC CORE	
F36 INT. ROOM 56	ND 95	2EA IC CORE	
F37 INT. ROOM 57	ND 95	2EA IC CORE	
<b>P BUILDINGS: PORTABLES</b>			
P14	CD98NL	1EA RIM 1EA MORTISE	REPLACE EXSISTING PRECISION MORTISE EXIT DEVICE
P15	CD98NL	1EA RIM 1EA MORTISE	REPLACE EXSISTING PRECISION MORTISE EXIT DEVICE
P16	CD98NL	1EA RIM 1EA MORTISE	REPLACE EXSISTING PRECISION MORTISE EXIT DEVICE
P17	CD98NL	1EA RIM 1EA MORTISE	REPLACE EXSISTING PRECISION MORTISE EXIT DEVICE
P18	CD98NL	1EA RIM 1EA MORTISE	REPLACE EXSISTING PRECISION MORTISE EXIT DEVICE
P19	CD98NL	1EA RIM 1EA MORTISE	REPLACE EXSISTING PRECISION MORTISE EXIT DEVICE
P20	CD98NL	1EA RIM 1EA MORTISE IC CORE	REPLACE EXSISTING PRECISION MORTISE EXIT DEVICE
P21	CD98NL	1EA RIM 1EA MORTISE IC CORE	REPLACE EXSISTING PRECISION MORTISE EXIT DEVICE
P31	ND 95	2EA IC CORE	
P32	ND 95	2EA IC CORE	
P33	CD98NL	1EA RIM 1EA MORTISE	REPLACE EXSISTING PRECISION MORTISE EXIT DEVICE
P34	CD98NL	1EA RIM 1EA MORTISE	REPLACE EXSISTING PRECISION MORTISE EXIT DEVICE
P35	ND 95	2EA IC CORE	
P36	ND 95	2EA IC CORE	
P37	ND 95	2EA IC CORE	
P38	CD98NL	1EA RIM 1EA MORTISE	
P39	CD98NL	1EA RIM 1EA MORTISE	
P40	CD98NL	1EA RIM 1EA MORTISE	
P41	ND 95	2EA STANDARD CORE	
P42	ND 95	2EA IC CORE	
P43	ND 95	2EA IC CORE	
P44	ND 95	2EA IC CORE	
P45	ND 95	2EA IC CORE	

WILLIAMS MIDDLE SCHOOL NEW DOOR HARDWARE and KEYING SCHEDULE

DOOR NUMBER	LOCKING DEVICE	CYLINDERS	NOTES
P46	ND 95	2EA IC CORE	
P58	ND 95	2EA IC CORE	
<b>Gates</b>			
Admin Gate	1EA 98NL	1EA IC RIM	
Multi-Purpose Gate		2EA RIM CYL	
Bike Area Gate	1EA 98NL X 1EA 98EO	1EA IC RIM	ADD MULLION
PADLOCKS FOR ALL CAMPUS GATES		25 PADLOCKS	



## SECTION 08 71 00

### DOOR HARDWARE

#### PART 1 - GENERAL

##### 1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions of Division 1 Specification Sections, apply to this Section.

##### 1.02 SUMMARY

- A. This Section includes items known commercially as finish or door hardware that are required for swing, sliding, and folding doors, except special types of unique hardware specified in the same sections as the doors and door frames on which they are installed.
- B. This Section includes the following, but is not necessarily limited to:
  - 1. Door Hardware, including electric hardware.
  - 2. Storefront and Entrance door hardware.
  - 3. Gate Hardware.
  - 4. Low-energy door operators plus sensors and actuators.
  - 5. Thresholds, gasketing and weather-stripping.
  - 6. Door silencers or mutes.
- C. Related Sections: The following sections are noted as containing requirements that relate to this Section, but may not be limited to this listing.
  - 1. Division 8: Section - Steel Doors and Frames.
  - 2. Division 8: Section - Wood Doors.
  - 3. Division 8: Section - Aluminum Storefront
  - 4. Division 28: Section - Fire/Life-Safety Systems & Security Access Systems.

##### 1.03 REFERENCES (USE DATE OF STANDARD IN EFFECT AS OF BID DATE.)

- A. 2013 California Building Code, CCR, Title 24.
- B. BHMA – Builders' Hardware Manufacturers Association
- C. DHI – Door and Hardware Institute
- D. NFPA - National Fire Protection Association.
  - 1. NFPA 80 - Fire Doors and Other Opening Protectives
  - 2. NFPA 105 - Smoke and Draft Control Door Assemblies
- E. UL - Underwriters Laboratories.
  - 1. UL 10C - Fire Tests of Door Assemblies
  - 2. UL 305 - Panic Hardware
- F. WHI - Warnock Hersey Incorporated
- G. SDI - Steel Door Institute

##### 1.04 SUBMITTALS & SUBSTITUTIONS

- A. General: Submit in accordance with Conditions of the Contract and Division 1 Specification sections.
- B. Submit product data (catalog cuts) including manufacturers' technical product information for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
- C. Submit six (6) copies of schedule organized vertically into "Hardware Sets" with index of doors and headings, indicating complete designations of every item required for each door or opening. Include following information:
  - 1. Include a Cover Sheet with;
    - a. Job Name, location, telephone number.
    - b. Architects name, location and telephone number.
    - c. Contractors name, location, telephone number and job number.
    - d. Suppliers name, location, telephone number and job number.
    - e. Hardware consultant's name, location and telephone number.
  - 2. Job Index information included;
    - a. Numerical door number index including; door number, hardware heading number and page number.
    - b. Complete keying information (referred to DHI hand-book "Keying Systems and Nomenclature"). Provision should be made in the schedule to provide keying information when available; if it is not available at the time the preliminary schedule is submitted.
    - c. Manufacturers' names and abbreviations for all materials.
    - d. Explanation of abbreviations, symbols, and codes used in the schedule.
    - e. Mounting locations for hardware.
    - f. Clarification statements or questions.
    - g. Catalog cuts and manufacturer's technical data and instructions.
  - 3. Vertical schedule format sample:

Heading Number 1 (Hardware group or set number – HW -1)					
			(a) 1 Single Door #1 - Exterior from Corridor 101	(b) 90°	(c) RH
			(d) 3' 0"x7' 0" x 1-3/4" x (e) 20 Minute (f) WD x HM		
(g) 1	(h)	(i) ea	(j) Hinges - (k) 5BB1HW 4.5 x 4.5 NRP (l) ½ TMS	(m) 626	(n) IVE
2	6AA	1 ea	Lockset - ND50PD x RHO x RH x 10-025 x JTMS	626	SCH

(a) - Single or pair with opening number and location. (b) - Degree of opening (c) - Hand of door(s) (d) - Door and frame dimensions and door thickness. (e) - Label requirements if any. (f) - Door by frame material. (g) - (Optional) Hardware item line #. (h) - Keyset Symbol. (i) - Quantity. (j) - Product description. (k) - Product Number. (l) - Fastenings and other pertinent information. (m) - Hardware finish codes per ANSI A156.18. (n) - Manufacture abbreviation.

- D. Make substitution requests in accordance with Division 1. Substitution requests must be made prior to bid date. Include product data and indicate benefit to the project. Furnish samples of any proposed substitution.
- E. Wiring Diagrams: Provide product data and wiring and riser diagrams for all electrical products listed in the Hardware Schedule portion of this section.
- F. Keying Schedule: Submit separate detailed schedule indicating clearly how the Owner's final instructions on keying of locks has been fulfilled.

- G. Templates for doors, frames, and other work specified to be factory prepared for the installation of door hardware. Check shop drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- H. Furnish as-built/as-installed schedule with close-out documents, including keying schedule and transcript, wiring/riser diagrams, manufacturers' installation and adjustment and maintenance information.
- I. Fire Door Assembly Testing: Submit a written record of each fire door assembly to the Owner to be made available to the Authority Having Jurisdiction (AHJ) for future building inspections.
- J. LEED Certification Points: Submit information and certifications necessary to achieve maximum points for LEED certification; coordinate and cooperate with Owner and Architect in providing information necessary for required LEED rating.

#### 1.05 QUALITY ASSURANCE

- A. Obtain each type of hardware (latch and lock sets, hinges, closers, exit devices, etc.) from a single manufacturer.
- B. Supplier Qualifications: A recognized architectural door hardware supplier, with warehousing facilities in the project's vicinity, that has a record of successful in-service performance for supplying door hardware similar in quantity, type, and quality to that indicated for this project and that employs an experienced architectural hardware consultant (AHC) who is available to Owner, Architect, and Contractor, at reasonable times during the course of the Work, for consultation.
  - 1. Responsible for detailing, scheduling and ordering of finish hardware.
  - 2. Meet with Owner to finalize keying requirements and to obtain final instructions in writing.
  - 3. Stock parts for products supplied and are capable of repairing and replacing hardware items found defective within warranty periods.
- C. Hardware Installer: Company specializing in the installation of commercial door hardware with five years documented experience.
- D. Fire-Rated Openings: Provide door hardware for fire-rated openings that complies with NFPA Standard No. 80 and requirements of authorities having jurisdiction. Provide only items of door hardware that are listed and tested by UL or Warnock Hersey for given type/size opening and degree of label. Provide proper latching hardware, door closers, approved-bearing hinges and seals whether listed in the Hardware Schedule or not.
  - 1. Where emergency exit devices are required on fire-rated doors, (with supplementary marking on doors' UL labels indicating "Fire Door to be Equipped with Fire Exit Hardware") provide UL label on exit devices indicating "Fire Exit Hardware".
- E. Exit Doors: Operable from inside with single motion without the use of a key or special knowledge or effort.

#### 1.06 DELIVERY, STORAGE AND HANDLING

- A. Coordinate delivery of packaged hardware items to the appropriate locations (shop or field) for installation.
- B. Hardware items shall be individually packaged in manufacturers' original containers, complete with proper fasteners. Clearly mark packages on outside to indicate contents and locations in hardware schedule and in work.

- C. Provide locked storage area for hardware, protect from moisture, sunlight, paint, chemicals, etc.
- D. Contractor to inventory door hardware jointly with representatives of hardware supplier and hardware installer until each all are satisfied that count is correct.

1.07 WARRANTY

- A. Provide warranties of respective manufacturers' regular terms of sale from day of final acceptance as follows:
  - 1. Locksets: Ten (10) years.
  - 2. Electronic: One (1) year.
  - 3. Closers: Thirty (30) years – except electronic closers shall be two (2) years.
  - 4. Exit devices: Three (3) years.
  - 5. All other hardware: Two (2) years.

1.08 MAINTENANCE

- A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

1.09 PRE-INSTALLATION CONFERENCE

- A. Convene a pre-installation conference at least one week prior to beginning work of this section.
- B. Attendance: Architect, Construction Manager, Contractor, Security Contractor, Hardware Supplier, Installer, Key District Personnel, and Project Inspector.
- C. Agenda: Review hardware schedule, products, installation procedures and coordination required with related work.

## PART 2 - PRODUCTS

### 2.01 MANUFACTURERS

<u>Item</u>	<u>Manufacturer</u>	<u>Acceptable Substitutes</u>
Hinges	Ives	Hager, Stanley,
Locks, Latches & Cylinders:	Schlage District Standard	
Exit Devices:	Von Duprin District Standard	
Closers:	LCN District Standard	
Push, Pulls & Protection Plates:	Ives	Trimco, BBW, DCI
Flush Bolts:	Ives	Trimco, BBW, DCI
Dust Proof Strikes:	Ives	Trimco, BBW, DCI
Coordinators:	Ives	Trimco, BBW, DCI
Stops:	Ives	Trimco, BBW, DCI
Overhead Stops:	Glynn-Johnson District Standard	
Thresholds:	Zero	Pemko,
Seals & Bottoms:	Zero	Pemko, National Guard

### 2.02 MATERIALS

- A. Hinges: Exterior out-swinging door butts shall be non-ferrous material and shall have stainless steel hinge pins. All doors to have non-rising pins.
- Hinges shall be sized in accordance with the following:
    - Height:
      - Doors up to 42" wide: 4-1/2" inches.
      - Doors 43" to 48" wide: 5 inches.
    - Width: Sufficient to clear frame and trim when door swings 180 degrees.
    - Number of Hinges: Furnish 3 hinges per leaf to 7'-5" in height. Add one for each additional 2 feet in height.
  - Furnish non-removable pins (NRP) at all exterior out-swing doors and interior key lock doors with reverse bevels.
- B. Continuous Hinges: As manufactured by Ives, an Allegion Company. UL rated as required.
- C. Heavy Duty Cylindrical Locks and Latches: Schlage "ND" Series as scheduled with "Rhodes" design, fastened with through-bolts and threaded chassis hubs.
- Locksets to comply with ANSI A156.2, Series 4000, Grade 1; tested to exceed 3,000,000 cycles. Locksets shall meet ANSI A117.1, Accessible Code.
  - Chassis: One piece modular assembly and multi-functional allowing function interchange without disassembly of lockset.
  - Spindle shall be deep-draw manufactured not stamped. Spindle and spring cage to be one-piece integrated assembly.

4. Anti-rotation plate to be interlocking to the lock chassis. Lock design utilizing bit-tabs are not acceptable.
5. Lever Trim: Accessible design, bi-directional, independent assemblies.
6. Locks shall be of such construction that when locked, the door may be opened from within by using lever and without the use of a key or special knowledge.
7. Thru-bolts to secure anti-rotation plate without sheer line. Fully threaded thru-bolts are not acceptable.
8. Spring cage to have double compression springs. Manufacturers utilizing torsion springs are not acceptable.
9. Latchbolt to be steel with minimum ½" throw deadlatch on keyed and exterior functions; ¾" throw anti-friction latchbolt on pairs of doors.
10. Strikes: ANSI curved lip, 1-1/4" x 4-7/8", with 1" deep dust box (K510-066). Lips shall be of sufficient length to clear trim and protect clothing.

D. Exit devices: Von Duprin as scheduled.

1. Provide certificate by independent testing laboratory that device has completed over 1,000,000 cycles and can still meet ANSI/BHMA A156.3 - 2001 standards.
2. All internal parts shall be of cold-rolled steel with zinc dichromate coating.
3. Mechanism case shall have an average thickness of .140".
4. Compression spring engineering.
5. Non-handed basic device design with center case interchangeable with all functions.
6. All devices shall have quiet return fluid dampeners.
7. All latchbolts shall be deadlocking with ¾" throw and have a self-lubricating coating to reduce friction and wear.
8. Device shall bear UL label for fire and or panic as may be required.
9. All surface strikes shall be roller type and utilize a plate underneath to prevent movement.
10. All Exit Devices to be sex-bolted to the doors.
11. Panic Hardware shall comply with CBC Section 11B.404.2.7 and shall be mounted between 34" and 44" above the finished floor surface.
  - a. Provide exit devices UL certified to meet maximum 5 pound requirements according to the California Building Code section 11B-309.4, and UL listed for Panic Exterior Fire Exit Hardware.

E. Closers: LCN as scheduled. Place closers inside building, stairs, room, etc.

1. Door closer cylinders shall be of high strength cast iron construction with double heat-treated pinion shaft to provide low wear operating capabilities of internal parts throughout the life of the installation. All door closers shall be tested to ANSI/BHMA A156.4 test requirements by a BHMA certified testing laboratory. A written certification showing successful completion of a minimum of 10,000,000 cycles must be provided.
2. All door closers shall be fully hydraulic and have full rack and pinion action with a shaft diameter of a minimum of 11/16 inch and piston diameter of 1 inch to ensure longevity and durability under all closer applications.
3. All parallel arm closers shall incorporate one-piece solid forged steel arms with bronze bushings. 1-9/16" steel stud shoulder bolts, shall be incorporated in regular arms, hold-open arms, arms with hold open and stop built in. All other closers to have forged steel main arms for strength, durability, and aesthetics for versatility of trim accommodation, high strength and long life.
4. All parallel arm closers so detailed shall provide advanced backcheck for doors subject to severe abuse or extreme wind conditions. This advanced backcheck shall be located to begin cushioning the opening swing of the door at approximately 45 degrees. The intensity of the backcheck shall be fully adjustable by tamper resistant non-critical screw valve.
5. Closers shall be installed to permit doors to swing 180 degrees.
6. All closers shall utilize a stable fluid withstanding temperature range of 120 degrees F. to -30 degrees F. without requiring seasonal adjustment of closer speed to properly close the door.
7. Provide the manufactures drop plates, brackets and spacers as required at narrow head rails and special frame conditions. NO wood plates or spacers will be allowed.

8. Maximum effort to operate closers shall not exceed 5 lbs., such pull or push effort being applied at right angles to hinged doors. Compensating devices or automatic door operators may be utilized to meet the above standards. When fire doors are required, the maximum effort to operate the closer may be increased but shall not exceed 15 lbs. when specifically approved by fire marshal. All closers shall be adjusted to operate with the minimum amount of opening force and still close and latch the door. These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door in a closed position. Per 11B-404.2.8.1, door shall take at least 5 seconds to move from an open position of 90 degrees to a position of 12 degrees from the latch jamb.
- F. Flush Bolts & Dust Proof Strikes: Automatic Flush Bolts shall be of the low operating force design. Utilize the top bolt only model for interior doors where applicable and as permitted by testing procedures.
1. Manual flush bolts only permitted on storage or mechanical openings as scheduled.
  2. Provide dust proof strikes at openings using bottom bolts.
- G. Door Stops:
1. Unless otherwise noted in Hardware Sets, provide floor type with appropriate fasteners. Where wall type cannot be used, provide floor type. If neither can be used, provide overhead type.
  2. Do not install floor stops more than four (4) inches from the face of the wall or partition (CBC Section 11B-307).
  3. Overhead stops shall be made of stainless steel and non-plastic mechanisms and finished metal end caps. Field-changeable hold-open, friction and stop-only functions.
- H. Protection Plates: Fabricate either kick, armor, or mop plates with four beveled edges. Provide kick plates 10" high and 2" LDW. Sizes of armor and mop plates shall be listed in the Hardware Schedule. Furnish with machine or wood screws of bronze or stainless to match other hardware.
- I. Thresholds: As Scheduled and per details.
1. Thresholds shall not exceed 1/2" in height, with a beveled surface of 1:2 maximum slope.
  2. Set thresholds in a full bed of butyl-rubber or polyisobutylene mastic sealant complying with requirements in Division 7 "Thermal and Moisture Protection".
  3. Use 1/4" fasteners, red-head flat-head sleeve anchors (SS/FHSL).
  4. Thresholds shall comply with CBC Section 11B-404.2.5.
- J. Seals: Provide silicone gasket at all rated and exterior doors.
1. Fire-rated Doors, Resilient Seals: UL10C Classified complies with NFPA 80 & NFPA 252. Coordinate with selected door manufacturers' and selected frame manufacturers' requirements.
  2. Fire-rated Doors, Intumescent Seals: Furnished by selected door manufacturer. Furnish fire-labeled opening assembly complete and in full compliance with UL10C Classified complies with NFPA 80 & NFPA 252. Where required, intumescent seals vary in requirement by door type and door manufacture -- careful coordination required.
  3. Smoke & Draft Control Doors, Provide UL10C Classified complies with NFPA 80 & NFPA 252 for use on "S" labeled Positive Pressure door assemblies.
- K. Door Shoes & Door Top Caps: Provide door shoes at all exterior wood doors and top caps at all exterior out-swing doors.
- L. Silencers: Furnish silencers for interior hollow metal frames, 3 for single doors, 2 for pairs of doors. Omit where sound or light seals occurs, or for fire-resistive-rated door assemblies.

## 2.03 KEYING

- A. Furnish a Proprietary Schlage master key system as directed by the owner or architect. Everest 29T key family.
- B. A detailed keying schedule is to be prepared by the Contractor in consultation with a representative of the lock manufacturer. Each keyed cylinder on every keyed lock is to be listed separately showing the door #, key group (in BHMA terminology), cylinder type, finish and location on the door. The District will assist the Contractor with the development with the keying schedule by providing input on how the District would like the buildings t
- C. Expand current key system hierarchy established for Tracy USD for this project as directed by the keying schedule.
- D. Furnish all cylinders in the Schlage Full Size Interchangeable Core (FSIC). Pack change keys independently (PKI)
- E. Temporary construction cores (construction keying) is not required as long as all doors remain functional (lockable) with existing hardware and locks prior to the installation of new hardware and locks.
- F. Furnish mechanical keys as follows:
  - 1. Furnish 3 cut change keys for each door. Note: For a pair of doors, this would be a total of 6.
  - 2. Furnish 50 uncut key blanks.
  - 3. Furnish 100 cut master keys. This quantity will include any sub-masters as defined in the keying schedule. It shall be any combination of Grand master and Master keys to be determined by the District at the time of the development of keying schedule by the Contractor.
  - 4. Furnish 250 cut "Staff Keys".
  - 5. Furnish 2 cut control keys cut to the top masterkey for permanent I/C cylinders.
  - 6. Furnish 1 cut control key cut to each SKD combination.
- G. Furnish Schlage Padlocks and the cylinders to tie them into the masterkey system for gates, storage boxes, utility valve security, roof hatches and roll-up doors keyed as directed in the keying schedule.

## 2.04 FINISHES

- A. Generally to be satin chrome US26D (626 on bronze and 652 on steel) unless otherwise noted.
- B. Furnish push plates, pull plates and kick or armor plates in satin stainless steel US32D (630) unless otherwise noted.
- C. Door closers shall be powder-coated to match other hardware, unless otherwise noted.
- D. Aluminum items to be finished anodized aluminum except thresholds which can be furnished as standard mill finish.

## 2.05 FASTENERS

- A. Screws for strikes, face plates and similar items shall be flat head, countersunk type, provide machine screws for metal and standard wood screws for wood.
- B. Screws for butt hinges shall be flathead, countersunk, full-thread type.



- C. Fastening of closer bases or closer shoes to doors shall be by means of sex bolts and spray painted to match closer finish.
- D. Provide expansion anchors for attaching hardware items to concrete or masonry.
- E. All exposed fasteners shall have a phillips head.
- F. Finish of exposed screws to match surface finish of hardware or other adjacent work.
- G. All Exit Devices and Lock Protectors shall be fastened to the door by the means of sex bolts or through bolts.

### **PART 3 - EXECUTION**

#### **3.01 INSPECTION**

- A. Verify that doors and frames are square and plumb and ready to receive work and dimensions are as instructed by the manufacturer.
- B. Beginning of installation means acceptance of existing conditions.
- C. Fire-Rated Door Assembly Inspection: Upon completion of the installation, all fire door assemblies shall be inspected to confirm proper operation of the closing device and latching device and that only the manufacturer's furnished fasteners are used for installation and that it meets all criteria of a fire door assembly per NFPA 80 (Standard for Fire Doors and Other Opening Protectives) 2013 Edition. A written record shall be maintained and transmitted to the Owner to be made available to the Authority Having Jurisdiction (AHJ). The inspection of the swinging fire doors shall be performed by a certified FDAI (Fire Door Assembly Inspector) with knowledge and understanding of the operating components of the type of door being subjected to the inspection. The record shall list each fire door assembly throughout the project and include each door number, an itemized list of hardware set components at each door opening, and each door location in the facility.

#### **3.02 INSTALLATION**

- A. Install hardware in accordance with manufacturer's instructions and requirements of DHI.
- B. Use the templates provided by hardware item manufacturer.
- C. Mounting heights for hardware shall be as recommended by the Door and Hardware Institute. Operating hardware will to be located between 34" and 44" AFF.
- D. Set units level, plumb and true to line and location. Adjust and reinforce the attachment substrate as necessary for proper installation and operation.
- E. Drill and countersink units that are not factory-prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.
- F. Set thresholds for exterior doors in full bed of butyl-rubber sealant.
- G. If hand of door is changed during construction, make necessary changes in hardware at no additional cost.

#### **3.03 ADJUST AND CLEAN**

- A. Adjust and check each operating item of hardware and each door, to ensure proper operation or function of every unit. Replace units which cannot be adjusted to operate freely and smoothly as intended for the application made.

- B. Clean adjacent surface soiled by hardware installation.
- C. Final Adjustment: Wherever hardware installation is made more than one month prior to acceptance or occupancy, return to that work area and make final check and adjustment of all hardware items in such space or area. Clean operating items as necessary to restore proper function and finish of hardware and doors. Adjust door control devices to compensate for final operation of heating and ventilating equipment.
- D. Instruct Owner's Personnel in proper adjustment and maintenance of hardware finishes, during the final adjustment of hardware.
- E. Continued Maintenance Service: Approximately six months after the completion of the project, the Contractor accompanied by the Architectural Hardware Consultant, shall return to the project and re-adjust every item of hardware to restore proper functions of doors and hardware. Consult with and instruct Owner's personnel in recommended additions to the maintenance procedures. Replace hardware items which have deteriorated or failed due to faulty design, materials or installation of hardware units. Prepare a written report of current and predictable problems (of substantial nature) in the performance of the hardware.

3.04 HARDWARE LOCATIONS

- A. Conform to CCR, Title 24, Part 2; and ADAAG; and the drawings for access-compliant positioning requirements for the disabled.

3.05 FIELD QUALITY CONTROL

- A. Contractor is responsible for providing the services of an Architectural Hardware Consultant (AHC) or a proprietary product technician to inspect installation and certify that hardware and its installation have been furnished and installed in accordance with manufacturers' instructions and as specified herein.

3.06 SCHEDULE

- A. The items listed in the following schedule shall conform to the requirements of the foregoing specifications.
- B. While the hardware schedule is intended to cover all doors, and other movable parts of the building, and establish type and standard of quality, the contractor is responsible for examining the Plans and Specifications and furnishing proper hardware for all openings whether listed or not. If there are any omissions in hardware groups in regard to regular doors they shall be called to the attention of the Architect prior to bid opening for instruction; otherwise, list will be considered Complete. No extras will be allowed for omissions.
- C. The Door Schedule on the Drawings indicates which hardware set is used with each door.

**Manufacturers Abbreviations (Mfr.)**

GLY	=	Glynn-Johnson Corporation	Overhead Door Stops
IVE	=	Ives	Hinges, Pivots, Bolts, Coordinators, Dust Proof Strikes, Push Pull & Kick Plates, Door Stops & Silencers
LCN	=	LCN	Door Closers
SCH	=	Schlage Lock Company	Locks, Latches & Cylinders
VON	=	Von Duprin	Exit Devices
ZER	=	Zero International	Thresholds, Gasketing & Weather-stripping

**END OF SECTION**