State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF BOATING AND OCEAN RECREATION
ENGINEERING BRANCH
4 Sand Island Access Road
Honolulu, Hawaii 96819

ADDENDUM NO. 3

Job No. KA18-02
Port Allen SBH New Harbor Office
Eleele, Kauai, Hawaii

April 24, 2019

The items listed hereinafter are hereby made a part of the contract for the above project and shall govern the work, taking precedence over previously issued plans and specifications governing the items mentioned.

SPECIFICATIONS

1. Add Specification Section 08710 – Door Hardware to the project specifications.
2. Replace Specification Section 09650 – Resilient Flooring with the attached revised Section 09650.

RESPONSES TO CONTRACTOR QUESTIONS

1. Attached to this addendum are answers to contractor's questions submitted via the question/answer section of the HIePRO solicitation.

ADDENDUM NO. 3 ATTACHMENTS

1. Added Specification Section 08710 – Door Hardware.
2. Replaced Specification Section 09650 – Resilient Flooring.
3. Responses to contractor questions.

SECTION 08710

DOOR HARDWARE

PART 1 - GENERAL

1.01 SUMMARY

A. Section Includes**:**

1. Door hardware.

B. Related Divisions**:**

1. Section 06200 – Finish Carpentry
2. Section 07920 – sealant at exterior thresholds
3. Section 08210 - Wood Doors
4. Section 08220 – Fiberglass Reinforced Plastic Doors and Frames

C. Specific Omissions**:** Hardware for the following is specified or indicated elsewhere.

1. Windows.
2. Cabinets, including open wall shelving and locks.
3. Signs, except where scheduled.
4. Toilet accessories, including grab bars.
5. Installation.
6. Rough hardware.
7. Conduit, junction boxes & wiring.
8. Folding partitions, except cylinders where detailed.
9. Sliding aluminum doors, except cylinders where detailed.
10. Access doors and panels, except cylinders where detailed.
11. Corner Guards.
12. Welded steel gates and supports.

1.02 REFERENCES**:**

A. Use date of standard in effect as of Bid date.

1. American National Standards Institute – ANSI 156.18 – Materials and Finishes.
    a) ICC/ANSI A117.1 - 1998 – Specifications for making buildings and facilities usable by physically handicapped people.
    b) ANSI A156.18 Materials and Finishes
2. ADA – Americans with Disabilities Act
3. BHMA – Builders Hardware Manufacturers Association
4. DHI – Door and Hardware Institute

5. NFPA – National Fire Protection Association

   a) NFPA 80 – Fire Doors and Windows
   b) NFPA 105 – Smoke and Draft Control Door Assemblies
   c) NFPA 252 – Fire Tests of Door Assemblies

6. UL – Underwriters Laboratories

   a) UL10C – Positive Pressure Fire Tests of Door Assemblies.
   b) UL 305 – Panic Hardware

7. WHI – Warnock Hersey Incorporated
8. Local applicable codes
9. SDI – Steel Door Institute
10. WI – Woodwork Institute
11. AWI – Architectural Woodwork Institute
12. NAAMM – National Association of Architectural Metal Manufacturers

B. Abbreviations

1. Manufacturers**:** see table at 2.01.A of this section
2. Finishes**:** see 2.07 of this section.

1.03 SUBMITTALS & SUBSTITUTIONS

A. SUBMITTALS**:** Submit six copies of schedule per Section 01330. Only submittals printed one sided will be accepted and reviewed. Organize vertically formatted schedule into “Hardware Sets” with index of doors and headings, indicating complete designations of every item required for each door or opening. Minimum 10pt font size. Include following information**:**

1. Type, style, function, size, quantity and finish of hardware items.
2. Use BHMA Finish codes per ANSI A156.18.
3. Name, part number and manufacturer of each item.
4. Fastenings and other pertinent information.
5. Location of hardware set coordinated with floor plans and door schedule.
6. Explanation of abbreviations, symbols, and codes contained in schedule.
7. Mounting locations for hardware.
8. Door and frame sizes, materials and degrees of swing.
9. List of manufacturers used and their nearest representative with address and phone number.
10. Catalog cuts.

B. Bid and submit manufacturer’s updated/improved item if scheduled item is discontinued.

C. Deviations**:** Highlight, encircle or otherwise identify deviations from “Schedule of Finish Hardware” on submittal with notations clearly designating those portions as deviating from this section.

D. If discrepancy between drawings and scheduled material in this section, bid the more expensive of the two choices, note the discrepancy in the submittal and request direction from Architect for resolution.

E. Substitutions per Division 1. Include product data and indicate benefit to the Project. Furnish operating samples on request.

F. Furnish as-built/as-installed schedule with closeout documents, including keying schedule, manufacturers' installation, adjustment and maintenance information, and supplier's final inspection report.

1.04 QUALITY ASSURANCE:

A. Qualifications:

1. Hardware supplier: direct factory contract supplier who employs a certified architectural hardware consultant (AHC), available at reasonable times during course of work for project hardware consultation to Owner, Architect and Contractor.

a) Responsible for detailing, scheduling and ordering of finish hardware. Detailing implies that the submitted schedule of hardware is correct and complete for the intended function and performance of the openings.

B. Hardware: Free of defects, blemishes and excessive play. Obtain each kind of hardware (latch and locksets, exit devices, hinges and closers) from one manufacturer.

C. Exit Doors: Operable from inside with single motion without the use of a key or special knowledge or effort.

D. Fire-Rated Openings: NFPA 80 compliant. Hardware UL10C / IBC 2003 Section 715.4.1 (positive pressure) compliant for given type/size opening and degree of label. Provide proper latching hardware, non-flaming door closers, approved-bearing hinges, and resilient seals. Coordinate with wood door section for required intumescent seals. Furnish openings complete.

E. Furnish hardware items required to complete the work in accordance with specified performance level and design intent, complying with manufacturers' instructions and code requirements.

1.05 DELIVERY, STORAGE AND HANDLING:

A. Delivery: coordinate delivery to appropriate locations (shop or field).

1. Permanent keys and cores: secured delivery direct to Owner's representative.

B. Acceptance at Site: Items individually packaged in manufacturers' original containers, complete with proper fasteners and related pieces. Clearly mark packages to indicate contents, locations in hardware schedule and door numbers.

C. Storage: Provide securely locked storage area for hardware, protect from moisture, sunlight, paint, chemicals, dust, excessive heat and cold, etc.

1.06 PROJECT CONDITIONS AND COORDINATION:

A. Where exact types of hardware specified are not adaptable to finished shape or size of members requiring hardware, provide suitable types having as nearly as practical the same operation and quality as type specified, subject to Architect's approval.

B. Coordination: Coordinate hardware with other work. Furnish hardware items of proper design for use on doors and frames of the thickness, profile, swing, security and similar requirements indicated, as necessary for proper installation and function, regardless of omissions or conflicts in the information on the Contract Documents. Furnish related trades with the following information:

1. Location of embedded and attached items to concrete.
2. Location of wall-mounted hardware, including wall stops.
3. Location of finish floor materials and floor-mounted hardware.
4. At masonry construction, coordinate with the anchoring and hollow metal supplier prior to frame installation by placing a strip of insulation, wood, or foam, on the back of the hollow metal frame behind the rabbet section for continuous hinges, as well as at rim panic hardware strike locations, silencers, coordinators, and door closer arm locations. When the frame is grouted in place, the backing will allow drilling and tapping without dulling or breaking the installer's bits.
5. Coordinate: flush top rails of doors at outswinging exteriors, and throughout where adhesive-mounted seals occur.
6. Manufacturers' templates to door and frame fabricators.

C. Check Shop Drawings for doors and entrances to confirm that adequate provisions will be made for proper hardware installation.

D. Environmental considerations: segregate unused recyclable paper and paper product packaging, uninstalled metals, and plastics, and have these sent to a recycling center.

1.07 WARRANTY:

A. Part of respective manufacturers' regular terms of sale. Provide manufacturers' written warranties:

1.	Locksets:	Three years
2.	Extra Heavy Duty Cylindrical Lock:	Seven Years
3.	Exit Devices:	Three years mechanical One year electrical
4.	Closers:	Ten years mechanical Two years electrical
5.	Hinges:	One year
6.	Other Hardware	Two years

1.08 COMMISSIONING:

A. Conduct these tests prior to request for certificate of substantial completion:

1. With installer present, test door hardware operation with climate control system and stairwell pressurization system both at rest and while in full operation.
2. With installer and electrical contractor present, test hardware interfaced with fire/life-safety system for proper operation and release.

PART 2 - PRODUCTS

2.01 MANUFACTURERS:

A. Manufacturers and their abbreviations used in this schedule:

IVE	H. B. Ives
LCN	LCN Closers
PEM	Pemko
SCH	Schlage Lock Company

2.02 HINGING METHODS:

A. Drawings typically depict doors at 90 degrees, doors will actually swing to maximum allowable. Use wide-throw conventional or continuous hinges as needed up to 8 inches in width to allow door to stand parallel to wall for true 180-degree opening. Advise architect if 8-inch width is insufficient.

B. Conform to manufacturer's published hinge selection standard for door dimensions, weight and frequency, and to hinge selection as scheduled. Where manufacturer's standard exceeds the scheduled product, furnish the heavier of the two choices, notify Architect of deviation from scheduled hardware.

C. Conventional Hinges**:** Steel or stainless steel pins and concealed bearings. Hinge open widths minimum, but of sufficient throw to permit maximum door swing.

1. Outswinging exterior doors**:** non-ferrous with non-removable (NRP) pins and security studs.
2. Non-ferrous material exteriors and at doors subject to corrosive atmospheric conditions.

2.03 LOCKSETS, LATCHSETS**:**

A. Mortise Locksets and Latchsets**:** as scheduled.

1. Chassis**:** cold-rolled steel, handing field-changeable without disassembly.
2. Universal lock case – 10 functions in one case.
3. Floating mounting tabs automatically adjusts to fit a beveled door edge.
4. Latchbolts**:** 0.75 inch throw stainless steel anti-friction type.
5. Lever Trim**:** through-bolted, accessible design, cast lever or solid extruded bar type levers as scheduled. Filled hollow tube design unacceptable.
   a) Spindles**:** security design independent breakaway. Breakage of outside lever does not allow access to inside lever's hubworks to gain wrongful entry.
   b) Inside lever applied by screwless shank mounting – no exposed trim mount screws.
   c) Levers rotate up or down for ease of use.
   d) Vandalgard locks**:** locked lever freely rotates down while remaining securely locked. This feature prevents damage to internal lock components when subjected to excessive force.
6. Furnish solid cylinder collars with wave springs. Wall of collar to cover rim of mortise cylinder.
7. Thumbturns**:** accessible design not requiring pinching or twisting motions to operate.
8. Deadbolts**:** stainless steel 1-inch throw.
9. Electric operation**:** Manufacturer-installed continuous duty solenoid.
10. Strikes**:** 16 gage curved steel, bronze or brass with 1 inch deep box construction, lips of sufficient length to clear trim and protect clothing.
11. Scheduled Lock Series and Design**:** Schlage L series, 06A design.

12. Certifications:
    e) ANSI A156.13, 1994, Grade 1 Operational, Grade 1 Security.
    f) ANSI/ASTM F476-84 Grade 31 UL Listed.

B. Extra Heavy Duty Cylindrical Locks and Latches: as scheduled.

1. Chassis: cylindrical design, corrosion-resistant plated cold-rolled steel, through-bolted.
2. Locking Spindle: stainless steel, integrated spring and spindle design.
3. Latch Retractors: forged steel. Balance of inner parts: corrosion-resistant plated steel, or stainless steel.
4. Latchbolt: solid steel.
5. Backset: 2.75 inches typically, more or less as needed to accommodate frame, door or other hardware.
6. Lever Trim: accessible design, independent operation, spring-cage supported, minimum 2.00 inches clearance from lever mid-point to door face.
7. Strikes: 16 gage curved steel, bronze or brass with 1.00 inch deep box construction, lips of sufficient length to clear trim and protect clothing.
8. Lock Series and Design: Schlage ND series, “Rhodes” design.
9. Certifications:
    a) ANSI A156.2, 1994, Series 4000, Grade 1.
    b) UL listed for A label and lesser class single doors up to 4 feet x 8 feet.

2.04 CLOSERS

A. Surface Closers: [4040XP]

1. Full rack-and-pinion type cylinder with removable non-ferrous cover and cast iron body. Double heat-treated pinion shaft, single piece forged piston, chrome-silicon steel spring.
1. ISO 2000 certified. Units stamped with date-of-manufacture code.
2. Independent lab-tested 10,000,000 cycles.
3. Non-sized, non-handed, and adjustable. Place closer inside building, stairs, and rooms.
4. Plates, brackets and special templating when needed for interface with particular header, door and wall conditions and neighboring hardware.
5. Adjustable to open with not more than 8.0-pounds pressure to open at exterior doors and 5.0-pounds at interior doors.
6. Separate adjusting valves for closing speed, latching speed and backcheck.
7. Extra-duty arms (EDA) at exterior doors scheduled with parallel arm units.
8. Exterior door closers: tested to 100 hours of ASTM B117 salt spray test, furnish data on request.

9. Exterior doors: seasonal adjustments not required for temperatures from 120 degrees F to -30 degrees F, furnish checking fluid data on request.
10. Non-flaming fluid, will not fuel door or floor covering fires.
11. Pressure Relief Valves (PRV) not permitted.

B. Surface Closers: [1461]

1. Full rack-and-pinion type cylinder with removable non-ferrous cover and cast iron body. Double heat-treated pinion shaft, single piece forged piston, chrome-silicon steel spring.
2. ISO 2000 certified. Units stamped with date-of-manufacture code.
3. Independent lab-tested 5,000,000 cycles.
4. Non-sized, non-handed and adjustable. Place closers inside building, stairs and rooms.
5. Plates, brackets and special templating when needed for interface with particular header, door and wall conditions and neighboring hardware.
6. Adjustable to open with not more than 8.0-pounds pressure to open at exterior doors and 5.0-pounds at interior doors.
7. Separate adjusting valves for closing speed, latching speed and backcheck, fourth valve for delayed action where scheduled.
8. Extra-duty arms (EDA) at exterior doors scheduled with parallel arm units.
9. Exterior door closers: tested to 100 hours of ASTM B117 salt spray test, furnish data on request.
10. Exterior doors: seasonal adjustments not required for temperatures from 120 degrees F to 0 degrees F, furnish checking fluid data on request.
11. Non-flaming fluid, will not fuel door or floor covering fires.
12. Pressure Relief Valves (PRV) not permitted.

2.05 OTHER HARDWARE

A. Kick Plates: Four beveled edges, .050 inches minimum thickness, height and width as scheduled. Sheet-metal screws of bronze or stainless steel to match other hardware.

B. Door Stops: Provide stops to protect walls, casework or other hardware.

1. Unless otherwise noted in Hardware Sets, provide floor type with appropriate fasteners. Where floor type cannot be used, provide wall type. If neither can be used, provide overhead type.

C. Seals: Inelastic, rigid back, not subject to stretching. Self-compensating for warp, thermal bow, door settling, and out-of-plumb. Adhesive warranted for life of installation.

D. Thresholds: As scheduled and per details. Comply with ICC/ANSI A117.1 Section 404.2.4 & 303. Substitute products: certify that the products equal or exceed specified material's thickness. Proposed substitutions: submit for approval.

1. Saddle thresholds: 0.125 inches minimum thickness.
2. Exteriors: Seal perimeter to exclude water and vermin. Use sealant complying with requirements in Division 7 "Thermal and Moisture Protection". Minimum 0.25 inch diameter fasteners and lead expansion shield anchors, or Red-Head #SFS-1420 (or approved equivalent) Flat Head Sleeve Anchors (SS/FHSL).
3. Fire-rated openings, 90-minutes or less duration: use thresholds to interrupt floor covering material under the door where that material has a critical radiant flux value less than 0.22 watts per square centimeter, per NFPA 253. Use threshold unit as scheduled. If none scheduled, request direction from Architect.
4. Plastic plugs with wood or sheet metal screws are not an acceptable substitute for specified fastening methods.
5. Fasteners: Generally, exposed screws to be Phillips or Robertson drive. Pinned TORX drive at high security areas. Flat head sleeve anchors (FHSL) may be slotted drive. Sheet metal and wood screws: full-thread. Sleeve nuts: full length to prevent door compression.

E. Through-bolts: Do not use. Coordinate with wood doors; ensure provision of proper blocking to support wood screws for mounting panic hardware and door closers. Coordinate with metal doors and frames; ensure provision of proper reinforcement to support machine screws for mounting panic hardware and door closers.

1. Exception: surface-mounted overhead stops, holders, and friction stays.

F. Silencers: Interior hollow metal frames, 3 for single doors, 4 for pairs of doors. Leave no unfilled/uncovered pre-punched silencer holes. Intent: door bears against silencers, seals make minimal contact with minimal compression – only enough to effect a seal.

G. Key Control Software: Same manufacturer as key cylinders, supply to Owner.

2.06 FINISH:

A. Generally: BHMA 626 Satin.

1. Areas using BHMA 626: furnish push-plates, pulls and protection plates of BHMA 630, Satin Stainless Steel, unless otherwise scheduled.

B. Door closers: factory powder coated to match other hardware, unless otherwise noted.

2.07 KEYING REQUIREMENTS:

A. Key System: Schlage Everest 29 patented keyway, conventional cylinders. Utility patent protection to extend at least until 2029. Key blanks available only from factory-direct sources, not available from after-market key blank manufacturers. For estimate use factory GMK charge. Initiate and conduct meetings(s) with Owner and Allegion Consultants representatives to determine system keyway(s), structure and degree of geographic exclusivity. Furnish Owner's written approval of the system; do not order keys or cylinders without written confirmation of actual requirements from the Owner. Owner will install permanent cylinders/cores.

B. Keys

1. New factory registered master key system
2. Non-I.C. construction keying: furnish inserted type partial key. At substantial completion, remove inserts in Owner's presence; demonstrate consequent non-operability of construction key. Give all removed inserts and all construction keys to Owner, provide accounting for all the pieces.
3. I. C. Construction keying: furnish temporary keyed-alike cylinders and cores. Remove at substantial completion and install permanent cylinders and cores in Owner's presence. Demonstrate that construction key no longer operates.
4. Temporary cylinders/cores remain supplier's property.
5. Furnish 10 construction keys.
6. Furnish 2 construction insert extractor tool 35-057.
7. Furnish 2 construction control keys.

C. Key Cylinders: furnish utility patented, 6-pin solid brass construction.

D. Cylinders/Cylinder cores: furnish keyed at factory of lock manufacturer where permanent records are maintained. Locks and cylinders same manufacturer.

E. Permanent keys: furnish secured shipment direct from point of origination to Owner.

1. For estimate: 3 keys per change combination, 5 master keys per group, 5 grand-master keys, 3 control keys.
2. For estimate: VKC stamping plus "DO NOT DUPLICATE".

F. Bitting List: furnish secured shipment direct from point of origination to Owner upon completion.

PART 3 - EXECUTION

3.01 ACCEPTABLE INSTALLERS**:**

A. Can read and understand manufacturers' templates, suppliers' hardware schedule and printed installation instructions. Can readily distinguish drywall screws from manufacturers' furnished fasteners. Available to meet with manufacturers' representatives and related trades to discuss installation of hardware.

3.02 PREPARATION**:**

A. Ensure that walls and frames are square and plumb before hardware installation. Make corrections before commencing hardware installation. Installation denotes acceptance of wall/frame condition.

B. Locate hardware per SDI-100 and applicable building, fire, life-safety, accessibility, and security codes.

1. Notify Architect of code conflicts before ordering material.
2. Locate latching hardware between 34 inches to 44 inches above the finished floor.
3. Locate panic hardware between 36 inches to 44 inches above the finished floor.
4. Where new hardware is to be installed near existing doors/hardware scheduled to remain, match locations of existing hardware.

3.03 INSTALLATION

A. Install hardware per manufacturer's instructions and recommendations. Do not install surface-mounted items until finishes have been completed on substrate. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate for proper installation and operation. Remove and reinstall or replace work deemed defective by Architect.

1. Gaskets**:** install jamb-applied gaskets before closers, overhead stops, rim strikes, etc; fasten hardware over and through these seals. Install sweeps across bottoms of doors before astragals, cope sweeps around bottom pivots, trim astragals to tops of sweeps.
2. When hardware is to be attached to existing metal surface and insufficient reinforcement exists, use RivNuts, NutSerts or similar anchoring device for screws.
3. Use manufacturers' fasteners furnished with hardware items, or submit Request for Substitution with Architect.
4. Replace fasteners damaged by power-driven tools.

B. Locate floor stops no more that 4 inches from walls and not within paths of travel. See paragraph 2.02 regarding hinge widths, door should be well clear of point of wall reveal. Point of door contact no closer to the hinge edge than half the door width. Where situation is questionable or difficult, contact Architect for direction.

C. Core concrete for exterior door stop anchors. Set anchors in approved non-shrink grout.

D. Drill pilot holes for fasteners in wood doors and/or frames.

E. Lubricate and adjust existing hardware scheduled to remain. Carefully remove and give to Owner items not scheduled for reuse.

3.04 ADJUSTING

A. Adjust and check for proper operation and function. Replace units, which cannot be adjusted to operate freely and smoothly.

1. Hardware damaged by improper installation or adjustment methods**:** repair or replace to Owner's satisfaction.
2. Adjust doors to fully latch with no more than 1 pound of pressure.
3. Adjust door closers for proper function.

B. Fire-rated doors**:**

1. Wood doors**:** adjust to 0.125 inches clearance at heads, jambs, and meeting stiles.
2. Steel doors**:** adjust to 0.063 inches minimum to 0.188 inches maximum clearance at heads, jambs, and meeting stiles.
3. Adjust wood and steel doors to 0.75 inches maximum clearance (undercut) above threshold or finish floor material under door.

C. Final inspection**:** Installer to provide letter to Owner that upon completion installer has visited the Project and has accomplished the following**:**

1. Has re-adjusted hardware.
2. Has evaluated maintenance procedures and recommend changes or additions, and instructed Owner's personnel.
3. Has identified items that have deteriorated or failed.
4. Has submitted written report identifying problems.

3.05 DEMONSTRATION**:**

A. Demonstrate mechanical hardware including adjustment and maintenance procedures.

3.06 PROTECTION/CLEANING:

A. Cover installed hardware, protect from paint, cleaning agents, weathering, carts/barrows, etc. Remove covering materials and clean hardware just prior to substantial completion.

B. Clean adjacent wall, frame and door surfaces soiled from installation / reinstallation process.

3.07 SCHEDULE OF FINISH HARDWARE

A. See door schedule in drawings for hardware set assignments.

Hardware Group No. 1

Qty		Description	Catalog Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1	EA	ENTRANCE W/DEADBOLT	LV9453P 06A L583-363	626	SCH
1	EA	SURFACE CLOSER	4040XP EDA SRI	689	LCN
1	EA	FLOOR STOP	FS439	630	IVE
1	EA	THRESHOLD	271A	AL	PEM

Verify threshold condition.

Hardware Group No. 2

Qty		Description	Catalog Number	Finish	Mfr
6	EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
2	SET	CONST LATCHING BOLT	FB51P	630	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	ENTRANCE W/DEADBOLT	LV9453P 06A L583-363	626	SCH
2	EA	SURFACE CLOSER	4040XP EDA SRI	689	LCN
2	EA	FLOOR STOP	FS439	630	IVE
1	EA	THRESHOLD	271A	AL	PEM

Verify threshold condition.

Hardware Group No. 3

Qty		Description	Catalog Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	ENTRANCE/OFFICE LOCK	ND50PD RHO	626	SCH
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	FLOOR STOP	FS439	630	IVE

Hardware Group No. 4

Qty		Description	Catalog Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	ENTRANCE/OFFICE LOCK	ND50PD RHO	626	SCH
1	EA	SURFACE CLOSER	1461 RW/PA	689	LCN
1	EA	KICK PLATE	8402 10" X 2" LDW	630	IVE
1	EA	FLOOR STOP	FS439	630	IVE
1	SET	SEALS	S88D	DKB	PEM

Hardware Group No. 5

Qty		Description	Catalog Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	CLASSROOM LOCK	ND70PD RHO	626	SCH
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	FLOOR STOP	FS439	630	IVE

Hardware Group No. 6

Qty		Description	Catalog Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	PUSH PLATE	8200 4" X 16"	630	IVE
1	EA	PULL PLATE	8303 10" 4" X 16"	630	IVE
1	EA	SURFACE CLOSER	1461 RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS407CCV	630	IVE

Hardware Group No. 7

Qty		Description	Catalog Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	PRIVACY LOCK	ND40S RHO	626	SCH
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS407CCV	630	IVE

END OF SECTION

SECTION 09650 – RESILIENT FLOORING

PART 1 - GENERAL

1.01 GENERAL REQUIREMENTS: This section includes the furnishing and installing complete-in-place all resilient flooring and wall base.

1.02 SUBMITTALS

A. Certificates: Submit manufacturers' certificates of Conformance or Compliance; technical data and installation instructions; Material Safety Data Sheets (MSDS) for adhesives, patching and leveling compounds.

B. Samples: Submit the following samples:

1. Floor Tile: Duplicate of 12-inch square sheet, showing colors, finish pattern, and form of each type

2. Wall Base: 4 each, showing colors, finish, pattern, and form or each type.

1.03 DELIVERY AND STORAGE

Deliver and store packaged materials in original containers with labels intact until time of use. Store and handle materials in a manner to prevent damage or contamination by water or foreign matter.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Vinyl Composition Tile shall conform with ASTM F 1066 "Vinyl Composition Floor Tile", Composition 1 (non-asbestos formulated), smooth surface, factory waxed with a minimum light reflectance of 30%, 1/8" thick, Color and pattern shall be selected by Engineer. Tile quality shall be equal to tile manufactured by Armstrong, Azrock, Congoleum Commercial Floor Tile, Mannington, Tarkett, or approved equal. Materials shall not contain asbestos.

B. Resilient Wall Base shall conform to ASTM F 1861, "Resilient Wall Base:, Type TS or TP, rubber, Group 1 or 2, 4-inch high, topset type, 1/8-inch thick with smooth exposed surface and textured building surface on the unexposed edge. Provide preformed outside corners. The rubber material shall be free from offensive odor and its color shall be uniform throughout the thickness of the base. Basee shall be equal to Burke Mercer Flooring Products Cove Base and Carpet Base, Johnonite, Roppe, Mannington, Azrock, Armstrong, Tarkett, or approved

equal.

C. Adhesives shall be brush-on, roll-on, or trowel-on water-resistant type, as recommended by the manufacturer for the specified materials used. Adhesives shall be solvent free with zero VOC content, low odor, no ammonia and non-flammable in wet state.

D. Base Adhesive shall be acrylic latex water-resistant type, as recommended by the manufacturer for the specified materials used. Adhesives shall be white, solvent free with zero VOC content, low odor, no ammonia and non-flammable in wet state.

E. Patching and Leveling Compounds shall be latex –modified, Portland cement based formulation. Gypsum based compounds shall not be used.

F. Edging shall be beveled vinyl strip, one-inch wide, same thickness as the flooring, color match flooring as selected by the Engineer. Metal edge strips shall not be used.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Flooring installer shall examine substrates where resilient flooring will be installed for compliance with the flooring manufacturer's requirements. The subfloors shall be smooth, free of cracks, holes, ridges and other defects.

B. The substrates to receiving the resilient flooring shall be properly prepared in accordance with the manufacturer's instructions.

C. All work shall be done by experience tradesmen in strict conformance with the manufacturer's instructions.

D. Tiles shall be laid symmetrically about the center lines of the room in both directions, starting at the center of the room and working toward the wall so that the border tiles shall be less than half the width of the field tiles. Edging shall be installed with contact adhesive at all marginal edges of flooring not stopped by a raised threshold or vertical surface. Edge tile shall be cut, fitted and scribed to walls after field flooring has been installed.

E. Resilient Base shall be applied on thoroughly-dried walls with base adhesive only.

3.02 CURING AND CLEANING

A. Curing: Prohibit traffic on finished floor for 24 hours after installation.

B. Remove spots of adhesive. The flooring shall be cleaned with a neutral cleaner as recommended by the manufacturer and then damp mop until clean.

END OF SECTION

Questions & Answers for solicitation:

B19001517 Port Allen Small Boat Harbor New Harbor Office
04/24/2019

1. **Detail A/C-7 says interior wall finish and Spec 6100, page 2 calls for interior to be 1/2" A/C Panel. Please confirm all interior walls (except bathroom) is AC grade plywood. What about the ceiling, is this plywood also? If yes, what wood trims are required for walls and ceilings (if any)?**

No response.

2. **Please disregard previous question on the ceiling material, I see the suspended ceiling on C-13.**

No response.

3. **There is no door hardware schedule, please provide.**

See Drawing No. C-7, below detail C, under "Window and Door Schedule".

4. **Please provide specification section 08710 Finish Hardware. The section is not listed in the table of contents but section 08220 FRP references section 08710**

See attached specification section 08710 Finish Hardware.

5. **There is no service or disconnecting means on the exterior of the new office A. Location of service/disconnect? B. Size of service/disconnect? C. Origination of service/disconnect?**

The location, size, and origination of the electrical service/disconnect shall be determined on site by the electrical contractor, subject to approval by the Engineer. Reference Drawing No. C-13, Electrical Note No. 4.

6. **2. There is no interior panel shown inside the new office. A. Location of panel? B. Size of panel?**

The location and size of interior panel shall be determined on site by the electrical contractor, subject to approval by the Engineer. Reference Drawing No. C-13, Electrical Note No. 4.

7. **There is no interior circuitry shown for the new office, I have assumed 2-receptacle circuits, 1-lighting circuit, and a 2pole 20amp circuit for the AC, is this correct?**

The interior circuitry shall be determined by the electrical contractor. Reference Drawing No. C-13, Electrical Note No. 4.

8. **A - There is also no details about the incoming phone service, can the existing handle the new lines? B - How does the existing phone service tie into the new office?**

Connection of phone service to the office will be handled by the State.

9. **What is the required finish on the exterior walls?**

Fiber cement horizontal siding with woodgrain appearance.

10. **What is the hand rail material to be and what is the finish?**

The handrail is an existing material

11. **Per C-13 detail A, SA/SD needs to be interconnected with other alarms. Where is the control panel for this?**

The location, size, and type of control panel required for the smoke alarm shall be determined by the electrical contractor, subject to approval by the Engineer. Reference Drawing No. C-13, Electrical Note No. 4.

12. **In the specs resilient flooring and tile in Div. 9. Assuming tile in the restroom floor but no call-outs. Is tile required on the walls 4' high minimum?**

Tiles are required on the walls 4' high minimum.

13. **Is only cold water required for the restroom and conference room sinks?**

Cold and hot water will be required for the restroom and conference room sinks.

14. **What is the desktop table wood material and finish?**

The material is marble countertop.

15. **The spec in end of 6200 talks about shelving in the storage closet, the plans do not show storage closet. Please clarify.**

No storage closet will be required for this building.

16. **On C-5 Roof Slope to be 1:6, please clarify.**

The minimum pitch for the metal roof is 1:6, or 4 inches rise to 24 inches run.

17. **On C-6 structure top plate to be 10'-10" "To Be Adjusted" please clarify.**

Contractor to verify that the top plate of 10'-10" does not hit the adjacent restroom building roofline.

18. **Lumber treatment 06310-1 Wolman CCA . Can HI-BOR treatment be substituted?**

For the lumbers in the floor plan—beams, blocking, and joists, the treatment CCA is required; for the lumber along the roofs and walls the HI-BOR treatment can be used.

19. **Sheet C-10, C/C-10 Roof Plan, 2x6 blocking typ, is this at 1'oc or 2'oc or 4'oc?**

The "2x6 blocking typ" is 2'-0" on center.

20. **Will there be any Midspan blocking at walls? Or just at panel joins?**

Provide midspan blocking at walls.

21. **Will Layton Construction be providing Cabinets, Finish hardware, Bath accessories?**

The contractor shall provide the cabinets, finish hardware, restroom accessories as shown in plan. Contractor will not provide the computers (2), office tables (2), chairs (8), and conference table (1) as shown in plans.

22. **What is the type of siding is to be used, Lap siding or T1-11? Specification manual 06100-2 calls for T-111 nut elevations appear to show lap siding.**

Lap siding.

23. **What is the interior wall finish?**

Gypsum board.

24. **On Page C-7, they are showing R-19 Insulation in-between the Roof Rafters. On Page C-13, Detail "C", they are noting R-19 FSK on Top of the Ceiling Tile. Is it the intent to have double insulation (insulation at both locations)?**

Provide insulation at both locations.

25. **Please provide size of gutters.**

See detail D on Drawing No. C-5.

26. **Please provide size, material, and location of downspouts.**

Provide 2" x 3" aluminum downspouts at the corners of the building.

27. **Please advise where does restroom exhaust fan duct exit the building.**

Restroom exhaust fan duct will exit the building at the wall adjacent to the restroom.

28. **Sheet C-3 notes to remove a section of the concrete ramp and stairs. Please advise if the concrete curb is to be removed where the handrail is removed. Also advise if the handrail pipe or holes at the bottom cut section is to be filled in or left after demolition.**

The concrete curb does not have to be removed; contractor to patch pipe hole or repair concrete cut at handrail after demolition.

29. **Plans sheet C-5 B Floor Plan calls out 'Tiles to be installed, refer to specification 09310' as it shows at the bathroom and the rest of the building. Spec section 09310 calls out 2"x2" by ¼-inch thick w/ a slightly beveled modified straight edges. Wall tile 4x4x1/4" (assumed that is the base). However there is a spec section 09650-Resilient Flooring referencing VCT flooring and wall base. Please advise which flooring is to be used.**

The spec section 09310 ceramic tile shall apply to the restroom. The spec section 09650 resilient flooring shall apply to the office and conference rooms.

30. **Plan sheet call out marble countertops at cabinets and desktop tables. There is no call out in the spec sections for marble tops. There is a section in Spec Section 06200 Finish Carpentry referencing plastic laminated countertops. Please advise as to which type of countertops are to be used.**

Provide marble countertops at cabinets and desktop tables.

31. **Spec section 06200 Finish Carpentry references paint and stain grade wood. Plans do not call out which type of grade is to be used for the cabinets and desk/tables. Please advise for both.**

The grade to be used shall be determined by the contractor, subject to approval by the Engineer.

32. **There is no single line diagram for an electrical panel or location for a sub-panel and no location of where the tie into existing electrical main.**

The location of all panels and connection to the existing electrical main shall be determined by the electrical contractor, subject to approval by the Engineer. Reference Drawing No. C-13, Electrical Note No. 4.