

ADDENDUM #1

OUTAGAMIE COUNTY

Appleton, Wisconsin

Administration Complex Addition and Remodel

Contract: O0002-6-16-00160.00

Bid Date: Monday, April 17, 2017

Time: 2:00 p.m., local time

This Addendum forms a part of the contract documents and modifies the original Contract Documents, dated March 3, 2017. The CONTRACTOR shall acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to acknowledge this Addendum may subject the Bidder to disqualification.

GENERAL

- Item 1 Question: Please confirm if the foundation system will be supported on a cast in place or deep foundation system? Answer: See structural drawing, specifications and clarifications in other Items that follow.
- Item 2 Question: Various substitutions to specified materials and products have been requested. Are these substitutions acceptable? Answer: Substituted products will not be evaluated prior to bid. See Section 01 60 00.00; Product Requirements. Make particular note of subparagraph 2.2; Comparable Products.
- Item 3 Question: Alternate SC1 Door Schedule: Is there any painting/staining work that is required for these Alternates? Alternates include in this question are ALT.001 – ALT .008? Answer: No.
- Item 4 Question: In the Door Schedule: If an existing door is to remain is there any painting/staining work required? Answer: See Sheet A250 through A260 and A290 through A295.
- Item 5 Question: What is the overall budget for this project? Answer: There is not a set budget for this construction project. It is part of a larger budget that also includes all associated renovation costs of a relocation of the Sheriff's Department Law Enforcement Division.
- Item 6 Question: Does this project require prevailing wages? Answer: No; effective January 1, 2017 the Prevailing Wage Law for counties no longer applies.
- Item 7 Question: Please confirm that Alternate C1 is NOT a lump sum but is in fact a Unit Price. Answer: Yes, it is a Unit Price.

ADDENDUM #1

- Item 8 Question: Please confirm that Section 01 10 00, Part 1.4, Phase 1 dates are incorrect and completion is to be June 30, 2018 rather than June 30, 2017. Answer: The dates indicated in the specification are correct. No change is required.
- Item 9 Question: There are no drawings or information detailing project limits. Please reference sheet C102, contractor is to re-surface entire parking lot. Contractor assumes that this work can happen any time and that the entire parking lot will be available to the contractor for the project duration as no limits of construction are shown? Answer: No. There are extensive site constraints that were discussed in the mandatory walkthrough and are indicated throughout the construction documents including, but not limited to, the General Conditions and Section 01 10 00.00. The project will be constructed in numerous small and large stages that will be defined and finalized by coordination and input between the Owner, Architect, Construction Manager and General Contractor post bid.
- Item 10 Question: Please clarify what Owner expects for occupancy of existing building during construction. Will areas identified within spec section 01 10 00.00 on Phasing drawings PH001 thru PH404 that are to receive work be vacated by Owner during the allotted Phase duration? Answer: Please note that the Phasing is outline in "RED" on each plan per each phase and indicated by number for each phase. Please see 01 10 00.00; 1.4; B General Information for additional clarity.
- Item 11 Question: It was mentioned at the pre-bid meeting that the Contractor will be responsible for temporary partitions to separate work areas from occupied areas. Please provide locations of desired partition walls? Answer: No locations will be provided as this is part of the means and methods of construction.
- Item 12 Question: Please reference Contract Document A212. Please specify where the Enlarged Demo Plan 2/A212 is located within the facility and at what level? Answer: This scope of work is located on Level 820.00 within the CAB (County Administration Building).
- Item 13 Question: Can you please advise if there are any Fire Sprinkler As-Built Drawings available for the Justice Center? Answer: The Justice Center sprinkler prints have been posted to the County FTP site.
- Item 14 Question: Please reference Contract Drawing A215 to be used as an example. Construction Phasing documents state to demolish north walls of existing HHS Building and install weather tight wall to replace demolished walls in Phase 2. Is it the Owners intent to occupy the existing offices during Phase 2 where the northern wall of the HHS Building is to be demolished? Contractor is inquiring to verify where weather tight wall will be installed as well as for safety concerns while working on third floor above cantilevered office on second floor? Answer: The Owner will need to occupy the offices along the north wall in the North building during Phase 2. The intention is to move a group of 4 to 6 employees out of their offices while the contractor removes the existing wall and builds a secure and weather tight temporary wall. We would then need to move those employees back into their offices and move out another group so the contractor could continue down the line. We will do this in a coordinated and efficient manner in order to limit any delays for the contractor.

- Item 15 Question: Spec Section 13 07 00.00 identifies Bullet Resistant Composite (Fiberglass). The only location identified for Bullet Resistant Composite is found on page A911, detail 13, indicating as existing. Please advise on additional locations where Bullet Resistant Composite is to be used? Answer: No Bullet Resistant Composite material is indicated on page A911, detail 13. Detail 13 illustrates the re-use of an existing bullet-resistant window. See casework details for Courtrooms 10.2.010, 10.2.021 and 10.2.023 for Bullet Resistant Composite locations.
- Item 16 Question: Bid Alternate A1 references work at 227 South Walnut Street. No drawings were provided for the finish at this location. Please provide a drawing detailing the number of parking stalls, paving and finish details for work at 227 South Walnut Street. Answer: See drawings XC100 thru XC103, XL200, XE101 thru XE103 and XE801.
- Item 17 Question: Demolition plans say to “site clear” existing flooring meanwhile finish plans say “coordinate required quantities of new material with existing available for re-use. Are we to salvage and re-use CPT-1? Answer: See Note 3G on the demolition drawings at hatched areas only.
- Item 18 Question: Are we to use only salvaged carpet material in areas alone and not mix with new carpet material? Answer: This will be coordinated during construction to allow for the most efficient use of all carpet materials.
- Item 19 Question: Will there be a place on site to store salvaged carpet material? Answer: Yes.
- Item 20 Question: In the base bid price do we only excavate to the plan grades, and any additional excavation and backfill will be paid on a unit price basis. Answer: No. See Sheet S005.
- Item 21 Question: Contract Drawing S005 states that the hatching indicates the need for removal of 4’-6” to 10’-6” of existing fill below excavation. Please provide a starting elevation from which the 4’-6” to 10’-6” is referencing (from existing grade or from finished floor elevation). Answer: (The note on S005 specifically states “existing grade”.) Base the bid price on excavation and fill to a depth of 8’-0” from existing grade. See Sheet C103 for existing grades. Additions to or reductions from this amount will be determined during construction and adjusted based upon unit pricing as requested in Attachment B; Unit Prices.
- Item 22 Question: Can the Owner provide further direction on what entrances/exits are required to maintain access during construction, by Phase. Answer: Access to the Justice Center must be maintained throughout the life of the project; all phases. This will require staged construction of the connection of the New Addition to the Justice Center so that one of the two existing Justice Center main entrances will remain in use. The current intent is to maintain use of all entrances to the other remaining buildings to the greatest extent possible. This will need to be coordinated between the Owner, Architect, Construction Manager and General Contractor post bid.

Item 23

Question: Can the Owner provide direction on location for Electrical connections for temporary power? Answer: The County will provide a 60 amp 120 volt service for lighting and general receptacles within the contractor's field office trailer. The contractor's field office trailer shall be located on the west side of the Administration building. The county provided 60 amp service will be located in an electrical closet which is located in approximately the center of the lowest level of the Administration building. The contractor shall be responsible for all wiring and costs associated with tying into the County's service, however the contractor will not be charged for power used within the trailer. Temporary wires from the trailer to the interior service can be run through a window that is located just south of the main entrance on the west side of the Administration building. The contractor will be required to provide and pay for any temporary power that is used on the actual construction site until the County's new electrical service has been installed. Once the new electrical service is installed the contractor may use the new service as a temporary service. The contractor will be responsible for any costs associated with tying into the new service but will not be charged for power used from the County's new electrical service.

Item 24

Question: What is the required process for entering and working within the Justice Center during construction activities? Answer: Contractors will be allowed to enter the Justice Center through service doors on the east side of the building by checking out an access card from the maintenance building on a daily basis. Contractors will not be required to pass through security screening; however the county reserves the right to perform background checks on any contractor employee that is working within the Justice Center. Employee with criminal records of theft or instances that could jeopardize the security of the Justice Center may be denied the ability to work within this building. The County will pay for costs associated with the background checks. The contractor will be allowed to use the Owner's elevators to transfer materials to the ground and second floor; however this should be done before 8:00 am or after 5:00 pm whenever possible. Contractor shall also follow coordination, noise and other controls as listed in the specification manual.

Item 25

Question: Please clarify the scope of work associated with the Youth and Family services building? Answer: 6. The Scope of the work at the Youth and Family Services building is limited to Alternate Bid LV3.

Item 26

Question: Per Spec Section 01 10 00, a field office needs to be provided that meets the Owner and Architect requirements. Please provide information as to what will be required by the Owner and Architect? Answer: As specified in section 01 50 02.2, the field office shall accommodate any project related meetings of the Owner, Architect, CMA and/or General Contractor. Meeting space shall accommodate a minimum of 15 people. The Owner, Architect and Construction Manager do not require a dedicated work or office area.

Item 27

Question: Per Spec Section 01 50 00, use of the permanent HVAC systems, prior to substantial completion is not required without approval from the Owner. Due to the phasing of the project, when will the Owner provide approval for use of the permanent HVAC systems? Answer: The owner will provide approval for the use of the permanent HVAC system once the Shell of the new building has been fully completed and all exterior openings have been closed or sealed as long as the equipment is not used in a manner that would damage equipment. All equipment must be cleaned and returned to like new condition at the end of the project.

- Item 28 Question: Per Spec Section 01 40 00, Testing is to be completed by an acceptable testing agency that the Architect finds acceptable. Please provide a list of acceptable testing agencies. Answer: Although it is preferred that testing agencies be utilized who have completed work on the Study phase(s) of the project, other agencies with appropriate experience, credentials, knowledge, staff, etc. can be engaged unless deemed unsuitable to the Owner for reasonable cause.
- Item 29 Question: What is the current schedule/timing for hazardous material abatement from the 227 building? Answer: The 227 building will be occupied until the completion of Phase 3. The abatement of hazardous materials will be completed in the early part of Phase 4.
- Item 30 Question: Will the Owner and Architect/Engineer be willing to provide a working 3-D model of the project? Answer: The Owner and Architect/Engineer are willing to provide the Architectural and Structural Design Model upon written request to McMAHON and processing of signed Transfer and Disclaimer document provided by McMAHON.
- Item 31 Question: Access for new AHU in existing Mechanical Room is access thru louver openings? Answer: Access is part of means and methods to be determined by the General Contractor.
- Item 32 Question: Will night shift hours be required to be worked to work around office's still in use during working hours? Answer: Allowable hours of operation are identified in the specifications.
- Item 33 Question: Who is responsible for new black top and concrete sidewalk where new direct bury pipe will be on H243? Answer: This shall be constructed and be part of the scope of work for the project and covered by the single-prime contract.
- Item 34 Question: Will hot water system be filled with glycol along with chilled water system and are we reusing existing glycol? Answer: There is no glycol on this project in either system. There is no existing glycol.
- Item 35 Question: are there insulation valves in existing system on each floor to isolate for demo work for both buildings? Answer: Existing isolation valves would need to be verified by the contractor.
- Item 36 Question: Existing ceilings 2x2 and 2x4 whose responsibility is it to remove and re-install for HVAC work above those ceilings? Answer: See Section 23 05 00 – 3.5.B for ceiling work by HVAC.
- Item 37 Question: Note G states remove boiler on H400 (clarify)? Answer: This is part of the general demolition notes for the entire project. Boilers that are being demolished are on Sheet H217.
- Item 38 Question: Existing concrete OK for new equipment and if need to be re-worked who is responsible General Contractor or HVAC? Answer: Concrete pads are by the GC with the exception of the cooling tower pads which are called out in Section 23 05 00 – 3.2.C.

- Item 39 Question: Will Faith Technologies bid on any part of this project? Answer: Faith Technologies role is limited to the engineering/design of the electrical, low voltage and security systems and Faith Technologies will not bid on any aspect of this project. Faith Technologies will not take part in determining the responsiveness of the apparent low bidder.
- Item 40 Question: The existing data symbols on pages EY229-237 appear to be in walls not included in demolition. Is there anything that needs to be done to these or left completely alone? Wasn't sure if they would need to be covered or removed for painting or jacks/faceplates replaced. Answer: Existing data locations require no added work.
- Item 41 Question: Is the existing fiber and copper backbone, along with all structured cabling to remain adequately supported by j-hooks or tray? Answer: Yes.
- Item 42 Question: Is there any existing cabling, especially backbone that will need to be removed and re-routed/terminated to accommodate new walls? Answer: No.
- Item 43 Question: Is there a plan that shows the location of any existing cable tray? Answer: Sheet EY234 shows the location of existing basket tray in the Justice Center. There are no other plans showing existing cable support. Provide the appropriate cable support for all new cabling.
- Item 44 Question: Is there a plan for sizes and locations of new cable tray to be installed in OCAC New building? Spec pg. 27 10 05.00-5 2.3c. Answer: Provide the appropriate basket tray and/or j-hooks to support new cabling.
- Item 45 Question: The plan and specs call for cable tray, but the detail on pg. EY601 appears to be ladder rack. Is this correct? Answer: The MDF Room on the first floor of the new OCAC building will have 24" X 2" basket tray because of the quantity of cables in that room. All the other IDF rooms have existing ladder rack or will need new ladder rack installed.
- Item 46 Question: Are there details on floor cores for cabling backbone in the new building? Who is responsible for the coring and sleeving? Answer: The Low Voltage contractor shall provide the coring and sleeving appropriate for the cables represented on the riser.
- Item 47 Question: The spec calls for two racks in OCAC North 805, but detail 5 on EY701 shows 1. What is the requirement? Answer: OCAC North Level 805 IDF requires one equipment rack, refer to detail 5 on Sheet EY701.
- Item 48 Question: Are Ceiling Data symbols with no number to receive one (1) Cat 6 cable each? Answer: Ceiling data symbols with no number require one Cat6A cable.
- Item 49 Question: Is there a specific zone pattern or segregation for speakers in each building, or is each floor 1 zone with all-call? Answer: Each Floor is one zone with all call.

- Item 50 Question: Courtroom 04.2.001 EY237 has AV Mic symbols. Are these the mics from the existing room or new. Same question for the AV location. Is there a detail of specific requirements or components for this room? Just wondering what is required to tie mics, speakers, AV systems together. Answer: The existing hardware shall be re-installed in the new location, no other interface shall be required.
- Item 51 Question: EY237 appears to have one existing Intercom and 1 new. Are there details on requirements or manufacturer? Is this audio only, or audio/video? Answer: Both Intercoms on Sheet EY237 are existing. No further work needs to be done with these Intercoms.
- Item 52 Question: EY234 Note 1 is for location of existing basket tray, but only note number shown. Does this run throughout existing space? Answer: The existing cable tray runs from the west side of the lobby area to the note on the east side of the lobby.
- Item 53 Question: Note 2 is for location of conduit stubs to phone room. Is the phone room directly below the note? Answer: Yes - the phone room is directly below the note.
- Item 54 Question: There are TV symbols with an octagon and a triangle. What is the difference between them? Are all TV locations to get an RG6 whether new or re-allocated? Answer: The only TV symbols with an octagon have a note to supply an RG6 to the location. All locations with a TV symbol and a Triangle are one Cat6A cable.
- Item 55 Question: Is there a backbone system for TV service to each TC? Answer: No.
- Item 56 Question: There were additional plans on the file for Youth and Family Services and Chamber of Commerce. Are these just for references, or is there work to be done there separately? Answer: Drawings provided for informational purposes only in regards to alternate pricing requested for wireless duress system.
- Item 57 Question: The specs call for 4 PRD wire manager doors per vertical wire manager. Is this a misprint or is twice the quantity of doors required? Answer: According to the distributor each vertical manager requires (4) doors, two on the front and two on the back, the requirements in the spec are correct.
- Item 58 Question: Are modular Panduit patch panels required to be fully populated? Did not see any specifics. Spec 27 10 05.00-7 requires space for 25% spare. Whether or not modular panel need to be fully populated, are an additional 25% of jacks required or just space in the panel? Answer: Modular Patch Panels are not required to be populated. Provide blank inserts for unused jack locations.
- Item 59 Question: Who is responsible for Floor cores, Cores through concrete walls, Room sleeves, Cable tray, Conduit stubs? Answer: The Low Voltage contractor is responsible for all cable support, coring, and sleeving. Conduit stubs are by the electrical contractor.
- Item 60 Question: Detail 2 on page EY601 shows separate J-hook pathway for AV cabling. What is meant by AV cabling? Is this for speaker wire, WAP's etc.? Answer: A/V cabling refers to speaker and microphone cabling as well as A/V cabling to projector locations.

- Item 61 Question: Are all new CCTV camera locations to receive a single Cat-6 cable? Answer: CCTV locations require one Cat6A cable. See specification 28 23 00.00.
- Item 62 Question: Which systems require a separate pathway? Answer: Cat6/Cat6A cabling and Coaxial cable may be run in the same pathway. Speaker cabling, A/V cabling Access Control and Duress System cabling can be run in the same pathway separate from the Data and TV cabling.
- Item 63 Question: Plan EY237, is the Intercom in hall 04.2.004 existing (can't tell if the EX is for the IC or not)? Does anything need to be done to either of the IC's if they are both existing? Answer: IC is existing, nothing further needs to be done with it.
- Item 64 Question: Who is providing the audio source equipment for the six (6) rooms receiving the Hearing Loop systems? Answer: The Low Voltage contractor shall provide a complete system for the rooms identified. Provide a table top or boundary microphone for audio input in these rooms.
- Item 65 Question: In Spec. 28 23 00.00, page 4 section 2.2 D. 2. A. It states that the system be capable of affecting camera/video operation for selected access control system events. Our question relative to this part of the specification are as follows:
- a: Are these events to be retrieved from Access Control hardware (Door Controller) or the access control software (Sielox)? Answer: Request is that for future camera recording may be affected by access control conditions. This may be accomplished in many ways.
- b: What is your required days of video storage requirement 30 days/45 days/? Answer: See specification 28 23 00.00 section 2.3 B.
- c. There are approximately twenty (20) existing cameras. Are these twenty (20) cameras all scheduled for redeployment? If so we will need the following information to include those into our storage capacity equation: make and model. Answer: See specification 28 23 00.00 section 2.3 B.
- Item 66 Question: Page 235, Note, 2. Required sound from 5 visitation rooms to Observation Room 10.2.060. Are there any special requirements or specs for this set-up? Answer: Provide components listed for use with the associated cameras and VMS.
- Item 67 Question: Page 232 Note calls for a video intercom unit. Are there any special requirements or specs? Are you looking for an AiPhone System? Will this tie into your access control or CCTV systems. Answer: Provide an Aiphone video intercom. This will tie to the Access Control system.

Item 68

Question: The specification state to see the plans for required profile, height and gauge, the only notation provided is for the roof deck on S208 and S209 calling for 1 ½-inch 20 Gauge Type B Deck. Contractor believes that this size deck cannot be used to support the 6 ½-inch thick concrete topping slabs and that the notation or callout on S204-S207 was omitted on accident. Answer: The metal deck and gage for the composite slab is called out in detail 2/S502. The framing notes on the plan sheets indicate to see Sheets S501 and S502 for typical details.

Item 69

Question: C103 and C105 both state that $FFE=785.30 / ARCH \ ELEV. = 100'0''$, this statement is not true in any of the following drawings. A320 thru A393 all show $785.30' = 97' - 11 \ 7/16''$, this is also true of the slab elevations shown on the Structural drawings. Answer: The finished floor elevation of the new addition is indicated on numerous drawings as $785.30 / 97'-11 \ 7/16''$. C103, C104 and C105 are incorrect at locations where “Arch Elev.=100'0” is indicated. The Civil drawings are revised and are included in this addendum package. Please note that all grades illustrated on the original Civil drawings have not changed in that they are correct.

SPECIFICATIONS

Item 1

DIVISION 0 – PROCUREMENT & CONTRACTING REQUIREMENTS

- A. Document 00400, Alternate Bid A1:
 - 1. REPLACE “list the amount to be added to or deducted from the Base Bid” with “list the amount to be added to the Base Bid.” (Alternate A1 is not part of the Base Bid.)
- B. Document 00400, Alternate Bid LV1:
 - 1. REPLACE “Section 28 26 00” with “Section 27 51 18.”

Item 2

DIVISION 1 – GENERAL REQUIREMENTS

- A. Section 01 50 00.00 Temporary Facilities and Controls, Article 1.2 Use Charges, Paragraph C, REMOVE entire paragraph and replace with the following:

“Electric Power Service from Existing System: The County will provide a 60 amp 120 volt service for lighting and general receptacles within the contractor’s field office trailer. The contractor’s field office trailer shall be located on the west side of the Administration building. The county provided 60 amp service will be located in an electrical closet which is located in approximately the center of the lowest level of the Administration building. The contractor shall be responsible for all wiring and costs associated with tying into the County’s service, however the contractor will not be charged for power used within the trailer. Temporary wires from the trailer to the interior service can be run through a window that is located just south of the main entrance on the west side of the Administration building. The contractor will be required to provide and pay for any temporary power that is used on the actual construction site until the County’s new electrical service has been installed. Once the new electrical service is installed the contractor may use the new service as a temporary service. The contractor will be responsible for any costs associated with tying into the new service but will not be charged for power used from the County’s new electrical service.”
- B. Section 01 50 00.00 Temporary Facilities and Controls, Article 3.3 Temporary Utility Installation, Paragraph G, REMOVE entire paragraph and replace with the following:

“Electric Power Service: The contractor will be required to provide and pay for any temporary power that is used on the actual construction site until the County’s new electrical service has been installed. Once the new electrical service is installed the contractor may use the new service as a temporary service. The contractor will be responsible for any costs associated with tying into the new service but will not be charged for power used from the County’s new electrical service.”

Item 3

DIVISION 08 – FINISHES

A. Section 08 71 00.00 Door Hardware:

1. REPLACE in its entirety with the attached Revised Section. (Note: This includes the Set List at the end of the Section.)

Item 4

DIVISION 22 – PLUMBING

A. Section 22 00 10.00 Plumbing General Provisions:

1. In Subparagraph 1.6, A., REMOVE “except for reduced pressure backflow preventer(s). Approval and registration shall be by CONTRACTOR, per Paragraph 1.05.E.”

B. Section 22 07 19.00 Plumbing Piping Insulation:

1. In Paragraph 1.1, ADD “C. Clear water drain piping.”
2. In Paragraph 2.1, INSERT the following after COLD WATER, HOT WATER RE-CIRCULATING, ROOF DRAINAGE:

“,CLEAR WATER DRAINS”
3. DELETE Paragraph 2.2, INSULATION JACKETING in its entirety.
4. DELETE Paragraph 3.4, INSTALLATION OF PVC JACKETING in its entirety.

C. Section 22 10 13.00 Facility Fuel Piping:

1. In Paragraph 2.3:
 - a. CHANGE “0.64 cubic feet” to “320 cubic feet.”
 - b. CHANGE “5 psi” to “2 psi.”

D. Section 22 11 13.00 Facility Water Distribution Piping:

1. In Paragraph 2.4:
 - a. DELETE “(3-inch & smaller).”
 - b. DELETE Subparagraph B. in its entirety.
2. In Paragraph 2.5, DELETE “(3-inch & smaller).”
3. DELETE Paragraph 2.9, WATER SERVICE CORPORATION STOPS in its entirety.

4. DELETE Paragraph 2.10 CURB STOPS in its entirety.
 5. DELETE Paragraph 2.11 CURB BOXES in its entirety.
 6. DELETE Paragraph 2.12 BURIED WATER INSULATION in its entirety.
- E. Section 22 11 19.00 Domestic Water Piping Specialties
1. In Paragraph 2.2:
 - a. In Subparagraph A., CHANGE “9-D” to “SD-3 Double Check, with strainer.”
 - b. DELETE Subparagraph B.
 2. REPLACE Paragraph 2.9 with the following:

“2.9 VACUUM RELIEF VALVE

A. Watts, Model N36-M1, brass body, ¾ inch IPS.”
 3. REPLACE Subparagraph 2.10, A. with the following:

“Relocate existing thermal expansion tank.”
 4. DELETE Paragraph 2.11 TEMPERATURE MONITORING CONTROL in its entirety.
 5. DELETE Paragraph 3.2 TEMPERATURE MONITORING SYSTEM in its entirety.
- F. Section 22 13 19 Sanitary Waste Piping Specialties:
1. In Subparagraph 2.3, A., CHANGE “(FCO-1)” to “(FCO).”
- G. Section 22 14 13.00 Facility Storm Sewers:
1. DELETE Subparagraph 2.1, C. in its entirety.
- H. Section 22 14 16.00 Storm & Clear Water Piping:
1. ADD the following:

“2.3 VENTILATION AIR PLENUM SANITARY WASTE AND VENT

A. Spears Labwaste, or equal, CPVC schedule 40 pipe, ASTM F-2618, with DWV fittings, ASTM D3311. Solvent cement joints per ASTM F-2618.”

I. Section 22 14 23.00 Storm Drainage Piping Specialties:

1. In Subparagraph 2.3, A., CHANGE “(SRD)” to “(ORD).”
2. In Subparagraph 2.7, B., CHANGE “Zanb” to “ZANB.”
3. ADD the following:

“2.8 ELEVATOR SUMP AND PUMP

- A. Zoeller, Model M53, submersible sump pump with cast iron body, plastic impeller, 3/10-H.P., 110-volt, and automatic float.
- B. AK Industries: Fiberglass basin, 18-inch I.D. x 24-inch deep with anchor flange 6-inches from top.
- C. AK Industries: Fiberglass cover with twelve (12) ¾-inch holes drilled through cover.”

J. Section 22 30 00.00 Plumbing Equipment:

1. In Subparagraph 3.4, A., 3rd line, CHANGE word “form” to “from.”

K. Section 22 40 00.00 Plumbing Fixtures:

1. In Paragraph 2.8, SINKS (S-3) LAB, ADD the following:
 - “C. Elkay, LK-35: Stainless strainer.
 - D. Nibco, 4895 PVC: 1 ½-inch P-trap.
 - E. Brasscraft, KTSCR-19XC: Stops with loose key.
 - F. Brasscraft, 1-12 AC, 3/8-inch O.D. chrome-plated riser.”
2. In Paragraph 2.9, SINKS (S-4) EXAM, ADD the following:
 - “C. Elkay, LK-35: Stainless strainer.
 - D. Nibco, 4895 PVC: 1 ½-inch P-trap.
 - E. Brasscraft, KTSCR-19XC: Stops with loose key.
 - F. Brasscraft, 1-12 AC, 3/8-inch O.D. chrome-plated riser.”
3. In Subparagraph 2.10, B., CHANGE “E25TL8C” to “EZSTL8WSLK.”

Item 5

DIVISION 26 – ELECTRICAL

A. Section 26 05 34.00 Conduits:

1. In Subparagraph 2.2, G. 1., Branch Circuits, CHANGE “3/4 inch (21 mm) trade size” to “3/4 inch (21 mm) trade size thru out, with ½ inch (16 mm) trade size allowed for drop from junction box to end use device.”

B. Section 26 32 13.00 Engine Generators:

1. Subparagraph 3.7, D., is intended to outline the minimum requirements for the Trouble Call-Back Services which are intended to be included under the Alternate Bid Proposal to provide the Owner with a separate maintenance contract as called out for under Paragraphs 3.7, A., B., and C. of this same Specification section.

Item 6

DIVISION 28 – ELECTRONIC SAFETY AND SECURITY

A. Section 28 31 00.00 Fire Detection and Alarm:

1. In Subparagraph 2.1, B., REVISE to the following:

“B. Fire Alarm Control Units – Other Acceptable Manufacturers:
There will be no other acceptable manufacturers allowable for this item.”

DRAWINGS

Important Note: In lieu of describing in writing the various revisions that have been made to the drawings, the bidder is directed to remove from the existing set only the drawing Sheets affected by revisions and replace them with the drawing Sheets containing the Addendum #1 revisions found in the following corresponding PDF files separated per discipline. Each revision to each Sheet is “clouded” and indicated as revision “1”.

Item 1: Addendum 1 - Civil and Landscaping Drawing Sheet Revisions
REPLACE existing drawing Sheets with the corresponding drawing Sheets contained in this PDF file.

Item 2: Addendum 1 - Architectural Drawing Sheet Revisions
REPLACE existing drawing Sheets with the corresponding drawing Sheets contained in this PDF file.

Item 3: Addendum 1 - Structural Drawing Sheet Revisions
REPLACE existing drawing Sheets with the corresponding drawing Sheets contained in this PDF file.

Item 4: Addendum 1 - HVAC Drawing Sheet Revisions
REPLACE all existing drawing Sheets with the corresponding drawing Sheets contained in this PDF file. (Due to a graphic issue, the entire HVAC set of drawing Sheets have been re-issued, even those that do not contain design “revisions”. All design revisions are “clouded” as defined above.)

Item 5: Addendum 1 - Electrical Drawing Sheet Revisions
REPLACE existing drawing Sheets with the corresponding drawing Sheets contained in this PDF file.

Item 6: Addendum 1 - 227 Walnut St. Drawing Sheet Revisions
REPLACE existing drawing Sheets with the corresponding drawing Sheets contained in this PDF file.

Issued: March 31, 2017



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ADDENDUM #1

SECTION 08 71 00.00

DOOR HARDWARE

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:

1. Mechanical door hardware for the following:
 - a. Swinging doors.
2. Hardware specified in other Sections.
3. Electrified door hardware.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product indicated.

B. Shop Drawings: Details of electrified door hardware.

C. Samples: For each exposed product and for each color and texture specified.

D. Other Action Submittals:

1. Vertical Door Hardware Schedule: Prepared by or under the supervision of Supplier, detailing fabrication and assembly of door hardware, as well as installation procedures and diagrams. Coordinate final door hardware schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
 - a. Format: Use same scheduling sequence and format and use same door numbers as in the Contract Documents.
 - b. Content: Include the following information:
 - 1) Identification number, location, hand, fire rating, size, and material of each door and frame.
 - 2) Locations of each door hardware set, cross-referenced to Drawings on floor plans and to door and frame schedule.
 - 3) Complete designations, including name and manufacturer, type, style, function, size, quantity, function, and finish of each door hardware product.
 - 4) Description of electrified door hardware sequences of operation and interfaces with other building control systems.
2. Schedules shall be kept current with all changes to the project. If changes occur, project hardware schedules shall be maintained to reflect the changes as they are approved. Omitted items shall be deleted from openings, added and replaced items shall be

included. Installation submittals shall be kept current as changes occur. Upon request, a complete updated hardware schedule shall be provided to the contractor. Supplemental submittals that include only the changed openings will not be acceptable.

3. Prior to final payment, provide a record copy of hardware schedules, including all revisions and updates. All openings shall be listed to reflect final installed configuration only.
4. Keying Schedule: Prepared by or under the supervision of Installer, detailing Owner's final keying instructions for locks.

1.3 QUALITY ASSURANCE

- A. Supplier Qualifications: The hardware supplier shall be a corporate member in good standing of The Door and Hardware Institute (DHI), employing at least one Architectural Hardware Consultant (AHC) who is currently participating in DHI's continuing education program (CEP).
- B. Source Limitations: Provide electrified door hardware from same manufacturer as mechanical door hardware, unless otherwise indicated. Manufacturers that perform electrical modifications and that are listed by a testing and inspecting agency acceptable to authorities having jurisdiction are acceptable.
- C. Fire-Rated Door Assemblies: Where fire-rated door assemblies are indicated, provide door hardware rated for use in assemblies complying with NFPA 80 that are listed and labeled by a qualified testing agency, for fire-protection ratings indicated, based on testing at positive pressure according to NFPA 252 or UL 10C, unless otherwise indicated. Provide positive latching and self closing, regardless if specified in sets.
- D. Items of hardware not definitely specified herein but necessary for completion of the work shall be provided. Such items shall be of type and quality suitable to the service required and comparable to the adjacent hardware. Where size and shape of members is such as to prevent the use of types specified, hardware shall be furnished of suitable types having as nearly as practicable the same operation and quality as the type specified. Sizes shall be adequate for the service required.
- E. Include such nuances as strike type, strike lip length, raised barrel hinges, mounting brackets, blade stop spacers, special templates, fasteners, shims, and coordination between conflicting products. All doors shall be provided with a stop.
- F. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meet requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.
 1. Air Leakage Rate: Maximum air leakage of 0.3 cfm/sq. ft. (3 cu. m per minute/sq. m) at the tested pressure differential of 0.3-inch wg (75 Pa) of water.
- G. Electrified Door Hardware: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction.

- H. Means of Egress Doors: Latches do not require more than 15 lbf (67 N) to release the latch. Locks do not require use of a key, tool, or special knowledge for operation.
- I. Accessibility Requirements: For door hardware on doors in an accessible route, comply with the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines and ICC/ANSI A117.1
 - 1. Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lbf (22.2 N).
 - 2. Comply with the following maximum opening-force requirements:
 - a. Interior, Non-Fire-Rated Hinged Doors: 5 lbf (22.2 N) applied perpendicular to door.
 - b. Sliding or Folding Doors: 5 lbf (22.2 N) applied parallel to door at latch.
 - c. Fire Doors: Minimum opening force allowable by authorities having jurisdiction.
 - 3. Bevel raised thresholds with a slope of not more than 1:2. Provide thresholds not more than 1/2 inch (13 mm) high.
 - 4. Adjust door closer sweep periods so that, from an open position of 70 degrees, the door will take at least 3 seconds to move to a point 3 inches (75 mm) from the latch, measured to the leading edge of the door.
- J. Keying Conference: Conduct conference at Project site.
- K. At the time of completion, the hardware supplier shall provide a certified Fire Door Assembly Inspector (FDAI) to perform a walk-thru inspection of every fire-rated opening on the project. The FDAI shall provide a detailed, opening-by-opening, written document for the owner that ensures all of the specified component parts of the fire-rated assembly have been properly installed and are functioning as designed, in accordance with the criteria of a fire door assembly as per NFPA 80 2007 edition.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Deliver keys to Owner by registered mail or overnight package service.

1.5 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.
 - 1. Warranty Period: Manufacturers' standard warranty.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

- A. Provide door hardware for each door as scheduled in Part 3 "Door Hardware Schedule" Article to comply with requirements in this Section.
 - 1. Door Hardware Sets: Provide quantity, item, size, finish or color indicated.
 - 2. Sequence of Operation: Provide electrified door hardware function, sequence of operation, and interface with other building control systems indicated.
- B. Designations: Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of door hardware are indicated in Part 3 "Door Hardware Schedule" Article. Products are identified by using door hardware designations, as follows:
 - 1. Named Manufacturers' Products: Manufacturer and product designation are listed for each door hardware type required for the purpose of establishing minimum requirements. Manufacturers' names are abbreviated in Part 3 "Door Hardware Schedule" Article.
 - 2. References to BHMA Designations: Provide products complying with these designations and requirements for description, quality, and function.
- C. Hinges: Hager, McKinney, Ives.
 - 1. Interior Door Hinges: Steel, 0.134 inch minimum thickness except as noted. Provide heavyweight 0.180 inch minimum thickness on doors wider than 3'0".
 - 2. Exterior Door Hinges: Stainless steel, provide heavyweight 0.180 inch minimum thickness unless noted otherwise.
 - 3. Hinge Size: 4-1/2" x 4-1/2" unless noted otherwise.
 - 4. Hinge Options:
 - a. Nonremovable Pins: Provide set screw in hinge barrel that when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for outswinging exterior doors, outswinging lockable corridor doors and doors with access control components.
 - b. Corners: Square.
 - 5. Provide quantity as follows unless otherwise indicated.
 - a. For doors up to 60 inches in height, provide 1 pair hinges; for doors 60 inches to 90 inches in height, provide 1-1/2 pairs of hinges; for doors over 90 inches and up to 120 inches in height, provide 1 additional hinge for each 30 inches of height.
- D. Continuous Hinges: Hager, Select, Ives.
- E. Locks: Schlage ND x TLR x 626, Acceptable: Sargent 10-Line.
- F. Closers: LCN 4040XP Series, Acceptable: Sargent 281.
- G. Automatic Operators: Stanley, Motion Access
- H. Overhead Stops: Glynn-Johnson, Rixson, ABH

- I. Exit Devices: Von Duprin 99, Acceptable: Sargent 88.
- J. Cylinders: Sargent CN and Arrow as specified.
- K. Power Transfer: Von Duprin EPT-10, Acceptable: Sargent SEPT-10.
- L. Electric Strikes: Von Duprin, HES, Folger Adams, Securitron
- M. Flatgoods and Pulls: Rockwood, Ives, Hager
- N. Thresholds and Weatherstripping: NGP, Zero, Pemko, Hager
- O. Hardwired Exit Alarms: SDC
- P. Battery Powered Exit Alarms: Detex
- Q. Power Supplies: Schlage, Securitron
- R. Keyswitches: Schlage, SDC, Securitron
- S. Bollards: Pedestal CEO

2.2 KEYING

- A. Keying System: Factory registered, complying with guidelines in BHMA A156.28, Appendix A. Incorporate decisions made in keying conference.
 - 1. Existing System:
 - a. Master key or grand master key locks to Owner's existing system.
- B. Keys: Brass.
 - 1. Stamping: Permanently inscribe each key with a visual key control number and include the following notation:
 - a. Notation: Information to be furnished by Owner.

2.3 FINISHES

- A. Provide finishes complying with BHMA A156.18 as indicated in door hardware schedule.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Steel Doors and Frames: For surface applied door hardware, drill and tap doors and frames according to ANSI/SDI A250.6.
- B. Wood Doors: Comply with DHI WDHS.5 "Recommended Hardware Reinforcement Locations for Mineral Core Wood Flush Doors."
- C. Mounting Heights: Mount door hardware units at heights to comply with the following unless otherwise indicated or required to comply with governing regulations.
 - 1. Standard Steel Doors and Frames: ANSI/SDI A250.8.
 - 2. Custom Steel Doors and Frames: HMMA 831.
 - 3. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
- D. Install each door hardware item to comply with manufacturer's written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work. Do not install surface-mounted items until finishes have been completed on substrates involved.
 - 1. Set units level, plumb, and true to line and location. Adjust and reinforce attachment substrates as necessary for proper installation and operation.
 - 2. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.
- E. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than the number recommended by manufacturer for application indicated or one hinge for every 30 inches (750 mm) of door height, whichever is more stringent, unless other equivalent means of support for door, such as spring hinges or pivots, are provided.
- F. Boxed Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings. Verify location with Owner.
 - 1. Configuration: Provide least number of power supplies required to adequately serve doors with electrified door hardware.
- G. Thresholds: Set thresholds for exterior doors and other doors indicated in full bed of sealant complying with requirements specified in Section 079200 "Joint Sealants."
- H. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they will impede traffic.
- I. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.
- J. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.
- K. Door Bottoms: Apply to bottom of door, forming seal with threshold when door is closed.

- L. Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

3.2 DOOR HARDWARE SCHEDULE

- A. See Schedule attached hereto and made part of the contract documents.

HARDWARE SET 1

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	OFFICE	ND53LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 SAR
1	EA	WALL STOP	409	630 ROC

HARDWARE SET 2

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC STRIKE	6211	630 VON✓
1	EA	STOREROOM	ND80LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 SAR
1	EA	CLOSER	4040XP	689 LCN
1	EA	KICK PLATE	10" X 2" LDW	630 ROC
1	EA	WALL STOP	409	630 ROC
1	EA	CARD READER	BY SECURITY CONTRACTOR	
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR	
1	EA	REQUEST TO EXIT	BY SECURITY CONTRACTOR	
1	EA	ENTRY BUTTON	BY SECURITY CONTRACTOR	

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential allows entry. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 3

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	CLASSROOM	ND70LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 SAR
1	EA	OVERHEAD STOP	450S	630 GLY

HARDWARE SET 4

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC STRIKE	6211	630 VON✓
1	EA	STOREROOM	ND80LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 SAR
1	EA	CLOSER	4040XP SCUSH	689 LCN
1	EA	KICK PLATE	10" X 2" LDW	630 ROC
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR	
1	EA	REQUEST TO EXIT	BY SECURITY CONTRACTOR	
1	EA	ENTRY BUTTON	BY SECURITY CONTRACTOR	
1	EA	CARD READER	BY SECURITY CONTRACTOR	

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential or entry button allows entry. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 5

EA HINGES	AS SPECIFIED	652	HAG
1 EA ELECTRIC STRIKE	6211 FS	630	VON✓
1 EA STOREROOM	ND80LD TLR	626	SCH
1 EA CYLINDER	AS REQUIRED	626	ARR
1 EA CLOSER	4040XP	689	LCN
1 EA KICK PLATE	10" X 2" LDW	630	ROC
1 EA WALL STOP	409	630	ROC
1 EA REX SENSOR	BY SECURITY CONTRACTOR		
1 EA DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		
1 EA CARD READER	BY SECURITY CONTRACTOR		

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential allows entry. Door remains closed and unlocks upon loss of power or signal from fire alarm system. Free egress at all times.

HARDWARE SET 6

EA HINGES	AS SPECIFIED	652	HAG
1 EA ELECTRIC STRIKE	6211	630	VON✓
1 EA STOREROOM	ND80LD TLR	626	SCH
1 EA CYLINDER	AS REQUIRED	626	SAR
1 EA CLOSER	4040XP	689	LCN
1 EA KICK PLATE	10" X 2" LDW	630	ROC
1 EA WALL STOP	409	630	ROC
1 EA CARD READER	BY SECURITY CONTRACTOR		
1 EA DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		
1 EA REQUEST TO EXIT	BY SECURITY CONTRACTOR		

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential allows entry. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 7

EA HINGES	AS SPECIFIED	652	HAG
1 EA PUSH PLATE	70F 6" X 16"	630	ROC
1 EA PULL PLATE	107 X 70C 4" X 16"	630	ROC
1 EA CLOSER	4040XP H	689	LCN
1 EA KICK PLATE	10" X 2" LDW	630	ROC
1 EA WALL STOP	409	630	ROC

HARDWARE SET 8

EA HINGES	AS SPECIFIED	652	HAG
1 EA STOREROOM	ND80LD TLR	626	SCH
1 EA CYLINDER	AS REQUIRED	626	SAR
1 EA WALL STOP	409	630	ROC

HARDWARE SET 9

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC STRIKE	6211	630 VON✓
1	EA	CLASSROOM	ND70LD TLR	626 SCH
2	EA	CYLINDER	AS REQUIRED	626 SAR
1	EA	AUTOMATIC OPERATOR	MAC-MxxC-R	628 MOT✓
2	EA	ACTUATOR	10PBS1	630 BEA✓
2	EA	MOUNTING BOX	10BOX475SQSM	BEA
1	EA	KICK PLATE	10" X 2"LDW	630 ROC
1	EA	WALL STOP	409	630 ROC
1	EA	KEYSWITCH	653-1414-L2	626 SCH✓

NOTE: Keyswitch disables the corridor side actuator.

HARDWARE SET 10

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	CLASSROOM	ND70LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 SAR
1	EA	WALL STOP	409	630 ROC

HARDWARE SET 11

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	PASSAGE	ND10S TLR	626 SCH
1	EA	OVERHEAD STOP	450S	630 GLY

HARDWARE SET 12

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC STRIKE	6211	630 VON✓
1	EA	STOREROOM	ND80LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 SAR
1	EA	OVERHEAD STOP	450S	630 GLY
1	EA	CLOSER	4040XP	689 LCN
1	EA	KICK PLATE	10" X 2" LDW	630 ROC
1	EA	CARD READER	BY SECURITY CONTRACTOR	
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR	
1	EA	REQUEST TO EXIT	BY SECURITY CONTRACTOR	

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential allows entry. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 13

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	STOREROOM	ND80LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 SAR
1	EA	OVERHEAD STOP	450S	630 GLY
1	EA	CLOSER	4040XP	689 LCN
1	EA	KICK PLATE	10" X 2" LDW	630 ROC

HARDWARE SET 14

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC STRIKE	6211	VON ✓
1	EA	CLASSROOM	ND70LD TLR	SCH
2	EA	CYLINDER	AS REQUIRED	ARR
1	EA	OVERHEAD STOP	450S	GLY
1	EA	AUTOMATIC OPERATOR	MAC-MxxC-R	MOT ✓
1	EA	KICK PLATE	10" X 2" LDW	ROC
2	EA	ACTUATOR	10PBS1	BEA ✓
2	EA	MOUNTING BOX	10BOX475SQFM	BEA
1	EA	KEYSWITCH	653-1414-L2	SCH ✓

NOTE: Keyswitch disables the corridor side actuator.

HARDWARE SET 15

EA	HINGES	AS REQUIRED	652	HAG
1	EA	PRIVACY	ND40S TLR	SCH
1	EA	WALL STOP	409	ROC

HARDWARE SET 16

EA	HINGES	AS REQUIRED	652	HAG
1	EA	PASSAGE	ND10S TLR	SCH
1	EA	WALL STOP	409	ROC

HARDWARE SET 17

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	EXIT DEVICE	99L-BE	VON
1	EA	CLOSER	4040XP SCUSH	LCN
1	EA	KICK PLATE	10" X 2" LDW	ROC

HARDWARE SET 18 (JUSTICE OFFICES)

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	OFFICE	ND53LD TLR	SCH
1	EA	CYLINDER	AS REQUIRED	ARR
1	EA	WALL STOP	409	ROC

HARDWARE SET 19

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	EXIT DEVICE	99L	VON
1	EA	CYLINDER	AS REQUIRED	ARR
1	EA	CLOSER	4040XP	LCN
1	EA	KICK PLATE	10" X 2" LDW	ROC
1	EA	WALL STOP	409	ROC

HARDWARE SET 20

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	STOREROOM	ND80LD TLR	SCH
1	EA	CYLINDER	AS REQUIRED	ARR
1	EA	WALL STOP	409	ROC

HARDWARE SET 21

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	STOREROOM	ND80LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 ARR
1	EA	OVERHEAD STOP	450S	630 GLY

HARDWARE SET 22

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC STRIKE	6211	630 VON✓
1	EA	STOREROOM	ND80LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 ARR
1	EA	CLOSER	4040XP SCUSH	689 LCN
1	EA	KICK PLATE	10" X 2" LDW	630 ROC
1	EA	REX SENSOR	BY SECURITY CONTRACTOR	
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR	
1	EA	CARD READER	BY SECURITY CONTRACTOR	

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential allows entry. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 23

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC STRIKE	6211	630 VON✓
1	EA	STOREROOM	ND80LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 ARR
1	EA	CLOSER	4040XP	689 LCN
1	EA	KICK PLATE	10" X 2" LDW	630 ROC
1	EA	WALL STOP	409	630 ROC
1	EA	REX SENSOR	BY SECURITY CONTRACTOR	
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR	
1	EA	CARD READER	BY SECURITY CONTRACTOR	

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential allows entry. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 24

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	OFFICE	ND53LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 ARR
1	EA	OVERHEAD STOP	450S	630 GLY

HARDWARE SET 25

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	CLASSROOM	ND70LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 ARR
1	EA	OVERHEAD STOP	450S	630 GLY

HARDWARE SET 26

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	REMOVABLE MULLION	5654	628 VON
1	EA	EXIT DEVICE	CD99EO	626 VON
1	EA	EXIT DEVICE	CD99NL-OP	626 VON
3	EA	CYLINDER	AS REQUIRED	626 ARR
2	EA	PULL	BF157	630 ROC
1	EA	AUTOMATIC OPERATOR	MAC-MP1C-R	628 MOT ✎
2	EA	ACTUATOR	10PBS1	630 BEA ✎
2	EA	MOUNTING BOX	10BOX475SQFM	BEA
2	EA	KICK PLATE	10" X 2" LDW	630 ROC
2	EA	WALL STOP	409	630 ROC

HARDWARE SET 27

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	CLASSROOM	ND70LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 ARR
1	EA	CLOSER	4040XP	689 LCN
1	EA	KICK PLATE	10" X 2" LDW	630 ROC
1	EA	WALL STOP	409	630 ROC

HARDWARE SET 28

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC STRIKE	9600 FS	630 HES ✎
1	EA	EXIT DEVICE	99L-NL	626 VON
1	EA	CYLINDER	AS REQUIRED	626 ARR
1	EA	CLOSER	4040XP	689 LCN
1	EA	KICK PLATE	10" X 2" LDW	630 ROC
1	EA	WALL STOP	409	630 ROC
1	EA	REX SENSOR	BY SECURITY CONTRACTOR	
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR	
1	EA	CARD READER	BY SECURITY CONTRACTOR	

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential allows entry. Door remains closed and unlocks upon loss of power or signal from fire alarm system. Free egress at all times.

HARDWARE SET 29

1	EA	BYPASS HARDWARE	9885	628 HAG
2	EA	FLUSH PULL	BF97L	630 ROC

HARDWARE SET 30

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC STRIKE	6211	630 VON✓
1	EA	STOREROOM	ND80LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 ARR
1	EA	OVERHEAD STOP	450S	630 GLY
1	EA	CLOSER	4040XP	689 LCN
1	EA	KICK PLATE	10" X 2" LDW	630 ROC
1	EA	REX SENSOR	BY SECURITY CONTRACTOR	
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR	
1	EA	CARD READER	BY SECURITY CONTRACTOR	

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential allows entry. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 31

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	CLASSROOM	ND70LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 ARR
1	EA	OVERHEAD STOP	450S	630 GLY
1	EA	CLOSER	4040XP	689 LCN
1	EA	KICK PLATE	10" X 2"LDW	630 ROC

HARDWARE SET 32

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	PUSH PLATE	70F 6" X 16"	630 ROC
1	EA	PULL PLATE	107 X 70C 4" X 16"	630 ROC
1	EA	AUTOMATIC OPERATOR	MAC-MxxC-R	628 MOT✓
1	EA	KICK PLATE	10" X 2"LDW	630 ROC
2	EA	ACTUATOR	10PBS1	630 BEA✓
2	EA	MOUNTING BOX	10BOX475SQFM	BEA
1	EA	WALL STOP	409	630 ROC

HARDWARE SET 33

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC STRIKE	6211	630 VON✓
1	EA	STOREROOM	ND80LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 SAR
1	EA	AUTOMATIC OPERATOR	MAC-MxxC-R	628 MOT✓
2	EA	ACTUATOR	10PBS1	630 BEA✓
2	EA	MOUNTING BOX	10BOX475SQFM	BEA
1	EA	KICK PLATE	10" X 2"LDW	630 ROC
1	EA	WALL STOP	409	630 ROC
1	EA	REX SENSOR	BY SECURITY CONTRACTOR	
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR	
1	EA	CARD READER	BY SECURITY CONTRACTOR	

OPERATIONAL DESCRIPTION: During business hours door is normally closed, unlocked and corridor actuator is active for use. After business hours door is normally closed, locked and corridor actuator is inactive. Valid credential allows entry and use of corridor actuator. Waiting room actuator always active. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 34

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC STRIKE	6211	630 VON✓
1	EA	STOREROOM	ND80LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 ARR
1	EA	AUTOMATIC OPERATOR	MAC-MxxC-R	628 MOT✓
2	EA	ACTUATOR	10PBS1	630 BEA✓
2	EA	MOUNTING BOX	10BOX475SQFM	BEA
1	EA	KICK PLATE	10" X 2"LDW	630 ROC
1	EA	WALL STOP	409	630 ROC
1	EA	REX SENSOR	BY SECURITY CONTRACTOR	
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR	
1	EA	ENTRY BUTTON	BY SECURITY CONTRACTOR	
1	EA	CARD READER	BY SECURITY CONTRACTOR	

OPERATIONAL DESCRIPTION: During business hours door is normally closed, unlocked and waiting room actuator is active for use. After business hours door is normally closed, locked and waiting room actuator is inactive. Valid credential allows entry and use of waiting room actuator. corridor actuator always active. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 35

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	EXIT DEVICE	99L-BE-F	626 VON
1	EA	OVERHEAD STOP	450S	630 GLY
1	EA	CLOSER	4040XP	689 LCN
1	EA	KICK PLATE	10" X 2" LDW	630 ROC

HARDWARE SET 36

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC STRIKE	9600	630 HES✓
1	EA	EXIT DEVICE	99L-NL	626 VON
1	EA	CYLINDER	AS REQUIRED	626 SAR
1	EA	CLOSER	4040XP	689 LCN
1	EA	KICK PLATE	10" X 2" LDW	630 ROC
1	EA	WALL STOP	409	630 ROC
1	EA	REX SENSOR	BY SECURITY CONTRACTOR	
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR	
1	EA	CARD READER	BY SECURITY CONTRACTOR	

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential allows entry. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 37

	EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC HINGE	ETW-8	652	HAG✓
1	EA	EXIT DEVICE	9947WDC-EO LBR	626	VON✓
1	EA	EXIT DEVICE EL TRIM	9947WDC-L LBR X E996L FSE	626	VON✓
1	EA	CYLINDER	AS REQUIRED	626	SAR
2	EA	CLOSER	4040XP SCUSH	689	LCN
2	EA	KICK PLATE	10" X 2" LDW	630	ROC
1	EA	REX SENSOR	BY SECURITY CONTRACTOR		
2	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		
1	EA	CARD READER	BY SECURITY CONTRACTOR		

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential allows entry. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 38

	EA	HINGES	AS SPECIFIED	652	HAG
1	EA	STOREROOM	ND80LD TLR	626	SCH
1	EA	CYLINDER	AS REQUIRED	626	SAR
1	EA	CLOSER	4040XP	689	LCN
1	EA	KICK PLATE	10" X 2" LDW	630	ROC
1	EA	WALL STOP	409	630	ROC

HARDWARE SET 39

	EA	HINGES	AS REQUIRED	652	HAG
1	EA	PRIVACY	ND40S TLR	626	SCH
1	EA	OVERHEAD STOP	450S	630	GLY

HARDWARE SET 40

	EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC STRIKE	9600	630	HES✓
1	EA	EXIT DEVICE	99L-NL	626	VON
1	EA	CYLINDER	AS REQUIRED	626	ARR
1	EA	CLOSER	4040XP	689	LCN
1	EA	KICK PLATE	10" X 2" LDW	630	ROC
1	EA	WALL STOP	409	630	ROC
1	EA	REX SENSOR	BY SECURITY CONTRACTOR		
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		
1	EA	CARD READER	BY SECURITY CONTRACTOR		

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential allows entry. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 41

	EA	HINGES	AS SPECIFIED	652	HAG
1	EA	CLASSROOM	ND70LD TLR	626	SCH
1	EA	CYLINDER	AS REQUIRED	626	ARR
1	EA	WALL STOP	409	630	ROC

HARDWARE SET 42

EA	HINGES	AS SPECIFIED	652	HAG
1 EA	ELECTRIC STRIKE	6211	630	VON ✓
1 EA	STOREROOM	ND80LD TLR	626	SCH
1 EA	CYLINDER	AS REQUIRED	626	SAR
1 EA	CLOSER	4040XP	689	LCN
1 EA	KICK PLATE	10" X 2" LDW	630	ROC
1 EA	WALL STOP	409	630	ROC
1 SET	SEALS	5050	BLK	NGP
1 EA	AUTO DOOR BOTTOM	423NA	628	NGP
1 EA	CARD READER	BY SECURITY CONTRACTOR		
1 EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		
1 EA	REQUEST TO EXIT	BY SECURITY CONTRACTOR		

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential allows entry. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 43

EA	HINGES	AS SPECIFIED	652	HAG
1 EA	ELECTRIC STRIKE	6211	630	VON ✓
1 EA	STOREROOM	ND80LD TLR	626	SCH
1 EA	CYLINDER	AS REQUIRED	626	ARR
1 EA	CLOSER	4040XP	689	LCN
1 EA	KICK PLATE	10" X 2" LDW	630	ROC
1 EA	WALL STOP	409	630	ROC
1 EA	CARD READER	BY SECURITY CONTRACTOR		
1 EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		
1 EA	REQUEST TO EXIT	BY SECURITY CONTRACTOR		
1 EA	ENTRY BUTTON	BY SECURITY CONTRACTOR		

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential allows entry. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 44

	EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC HINGE	ETW-8	652	HAG
1	EA	DELAYED EGRESS DEVICE	CX9975L-BE	626	VON
1	EA	CYLINDER	AS REQUIRED	626	SAR
1	EA	OVERHEAD STOP	450S	630	GLY
1	EA	CLOSER	4040XP	689	LCN
1	EA	KICK PLATE	10" X 2" LDW	630	ROC
1	EA	POWER SUPPLY	PS902-FA	600	SCH
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		
1	EA	CARD READER	BY SECURITY CONTRACTOR		

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential on push side shunts delayed egress alarm. Operating push pad initiates an irreversible process which will release the lock in not more than 15 seconds. Initiation of the irreversible process shall activate an audible signal in the vicinity of the door. Once the door lock has been released by the application of force to the releasing device, relocking shall be by manual means only. A sign shall be provided on the door located above and within 12 inches of the release device reading: "Push until alarm sounds. Door can be opened in 15 seconds." Doors must close and unlock from push side upon signal from fire alarm system or fire command center and in the event of power loss.

HARDWARE SET 45

	EA	HINGES	AS SPECIFIED	652	HAG
1	EA	PASSAGE	ND10S TLR	626	SCH
1	EA	WALL STOP	409	630	ROC
1	EA	SET SEALS	5050	BLK	NGP
1	EA	AUTO DOOR BOTTOM	423NA	628	NGP

HARDWARE SET 46

	EA	HINGES	AS SPECIFIED	652	HAG
2	EA	EXIT DEVICE	9947WDC-L-BE-F LBR	626	VON
2	EA	CLOSER	4040XP	689	LCN
2	EA	KICK PLATE	10" X 2" LDW	630	ROC
2	EA	MAG HOLD OPEN	SEM7850	689	LCN✓

HARDWARE SET 47

	EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC STRIKE	6211	630	VON
1	EA	STOREROOM	ND80LD TLR	626	SCH
1	EA	CYLINDER	AS REQUIRED	626	ARR
1	EA	OVERHEAD STOP	450S	630	GLY
1	EA	CLOSER	4040XP	689	LCN
1	EA	KICK PLATE	10" X 2" LDW	630	ROC
1	EA	REX SENSOR	BY SECURITY CONTRACTOR		
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		
1	EA	ENTRY BUTTON	BY SECURITY CONTRACTOR		
1	EA	CARD READER	BY SECURITY CONTRACTOR		

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential allows entry. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 48

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	STOREROOM	ND80LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 SAR
1	EA	CLOSER	4040XP SCUSH	689 LCN
1	EA	KICK PLATE	10" X 2" LDW	630 ROC

HARDWARE SET 49

EA	HINGES	AS REQUIRED	652	HAG
1	EA	PRIVACY W/INDICATOR	L9040 03A X L283-722	626 SCH
1	EA	CLOSER	4040XP	689 LCN
1	EA	KICK PLATE	10" X 2" LDW	630 ROC
1	EA	WALL STOP	409	630 ROC

HARDWARE SET 50

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	EXIT DEVICE	99L-BE-F	626 VON
1	EA	CLOSER	4040XP	689 LCN
1	EA	KICK PLATE	10" X 2" LDW	630 ROC
1	EA	MAG HOLD OPEN	SEM7850	689 LCN✓

HARDWARE SET 51

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	EXIT DEVICE	99L	626 VON
1	EA	CYLINDER	AS REQUIRED	626 SAR
1	EA	CLOSER	4040XP H	689 LCN
1	EA	KICK PLATE	10" X 2" LDW	630 ROC
1	EA	WALL STOP	409	630 ROC
1	SET	SEALS	5050	BLK NGP
1	EA	AUTO DOOR BOTTOM	423NA	628 NGP

HARDWARE SET 52

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	EXIT DEVICE	99L-BE	626 VON
1	EA	CLOSER	4040XP H	689 LCN
1	EA	KICK PLATE	10" X 2" LDW	630 ROC
1	EA	WALL STOP	409	630 ROC
1	SET	SEALS	5050	BLK NGP
1	EA	AUTO DOOR BOTTOM	423NA	628 NGP

HARDWARE SET 53

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	STOREROOM	ND80LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 SAR
1	EA	OVERHEAD STOP	450S	630 GLY

HARDWARE SET 54

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC STRIKE	6211	630 VON✓
1	EA	CLASSROOM	ND70LD TLR	626 SCH
2	EA	CYLINDER	AS REQUIRED	626 ARR
1	EA	AUTOMATIC OPERATOR	MAC-MxxC-R	628 MOT✓
1	EA	KICK PLATE	10" X 2"LDW	630 ROC
2	EA	ACTUATOR	10PBS1	630 BEA✓
2	EA	MOUNTING BOX	10BOX475SQFM	BEA
1	EA	WALL STOP	409	630 ROC
1	EA	KEYSWITCH	653-1414-L2	626 SCH✓

NOTE: Keyswitch disables the corridor side actuator.

HARDWARE SET 55

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	EXIT LOCK	ND25D TLR	626 SCH
1	EA	CLOSER	4040XP SCUSH	689 LCN
1	EA	KICK PLATE	10" X 2" LDW	630 ROC
1	SET	SEALS	5050	BLK NGP
1	EA	AUTO DOOR BOTTOM	423NA	628 NGP

HARDWARE SET 56

EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC STRIKE	6211	630 VON✓
1	EA	STOREROOM	ND80LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 SAR
1	EA	CLOSER	4040XP SCUSH	689 LCN
1	EA	KICK PLATE	10" X 2" LDW	630 ROC
1	EA	CARD READER	BY SECURITY CONTRACTOR	
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR	
1	EA	REQUEST TO EXIT	BY SECURITY CONTRACTOR	

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential allows entry. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 57

1	EA	OFFICE	ND53LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 SAR

HARDWARE SET 58

1	EA	ELECTRIC STRIKE	6211	630 VON✓
1	EA	STOREROOM	ND80LD TLR	626 SCH
1	EA	CYLINDER	AS REQUIRED	626 ARR
1	EA	CARD READER	BY SECURITY CONTRACTOR	
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR	
1	EA	REQUEST TO EXIT	BY SECURITY CONTRACTOR	
1	EA	DOOR BELL	BY SECURITY CONTRACTOR	

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential allows entry. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 59

1 EA	ELECTRIC STRIKE	6211WF	630	VON✓
1 EA	STOREROOM	ND80LD TLR	626	SCH
1 EA	CYLINDER	AS REQUIRED	626	SAR
1 EA	CARD READER	BY SECURITY CONTRACTOR		
1 EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		
1 EA	REQUEST TO EXIT	BY SECURITY CONTRACTOR		

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential allows entry. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 60

1 EA	CONTINUOUS HINGE	780-224HD X EPT	628	HAG
1 EA	POWER TRANSFER	EPT-10	689	VON✓
1 EA	EXIT DEVICE	99EO ALK 24VDC SS TRIM	626	VON✓
1 EA	CYLINDER	AS REQUIRED	626	SAR
1 EA	CLOSER	4040XP SCUSH	689	LCN
1 EA	KICK PLATE	10" X 2" LDW	630	ROC
1 EA	THRESHOLD	8425	719	NGP
1 EA	SWEEP	200NA	628	NGP
1 SET	WEATHERSTRIPPING	9700A	628	NGP
1 EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		

HARDWARE SET 61

1 EA	PASSAGE	ND10S TLR	626	SCH
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HARDWARE SET 62

1 EA	WRAP AROUND PLATE	4-CW	630	DON
1 EA	STOREROOM	ND80LD TLR	626	SCH
1 EA	CYLINDER	AS REQUIRED	626	SAR

HARDWARE SET 63

1 EA	STOREROOM	ND80LD TLR	626	SCH
1 EA	CYLINDER	AS REQUIRED	626	SAR

HARDWARE SET 64

	EA HINGES	AS SPECIFIED	652	HAG
1 EA	PASSAGE	ND10S TLR	626	SCH
1 EA	CLOSER	4040XP	689	LCN
1 EA	KICK PLATE	10" X 2" LDW	630	ROC
1 EA	WALL STOP	409	630	ROC

HARDWARE SET 65

	EA HINGES	AS SPECIFIED	652	HAG
1 EA	PASSAGE	ND10S TLR	626	SCH

HARDWARE SET 66

1 EA	OFFICE	ND53LD TLR	626	SCH
1 EA	CYLINDER	AS REQUIRED	626	ARR

HARDWARE SET 67

1	EA	STOREROOM	ND80LD TLR	626	SCH
1	EA	CYLINDER	AS REQUIRED	626	ARR

HARDWARE SET 68

1	EA	ELECTRIC STRIKE	310-4 FAIL SAFE	630	FOL✓
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HARDWARE SET 69

	EA	HINGES	AS SPECIFIED	652	HAG
1	EA	PASSAGE	ND10S TLR	626	SCH
1	EA	CLOSER	4040XP	689	LCN
1	EA	KICK PLATE	10" X 2" LDW	630	ROC
1	EA	MAG HOLD OPEN	REUSE EXISTING		

HARDWARE SET 70

	EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC HINGE	ETW-8	652	HAG✓
1	EA	EXIT DEVICE	99L-F X E996 FS	626	VON✓
1	EA	CYLINDER	AS REQUIRED	626	SAR
1	EA	CLOSER	4040XP	689	LCN
1	EA	KICK PLATE	10" X 2" LDW	630	ROC
1	EA	WALL STOP	409	630	ROC
1	EA	CARD READER	BY SECURITY CONTRACTOR		
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		
1	EA	REQUEST TO EXIT	BY SECURITY CONTRACTOR		

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential allows entry. Door remains closed and unlocks upon loss of power or signal from fire alarm system. Free egress at all times.

HARDWARE SET 71

	EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC HINGE	ETW-8	652	HAG✓
1	EA	EXIT DEVICE	9947WDC-EO-F LBR	626	VON
1	EA	EXIT DEVICE	QEL-9947WDC-L-NL-F LBR	626	VON✓
1	EA	CYLINDER	AS REQUIRED	626	VON
2	EA	CLOSER	4040XP	689	LCN
2	EA	KICK PLATE	10" X 2" LDW	630	ROC
1		SET SEALS	5050	BLK	NGP
1		SET ASTRAGAL	115NA	628	NGP
2	EA	MAG HOLD OPEN	SEM7850	689	VON✓
1	EA	POWER SUPPLY	PS902-2RS	600	SCH✓
1	EA	CARD READER	BY SECURITY CONTRACTOR		
2	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		
1	EA	REQUEST TO EXIT	BY SECURITY CONTRACTOR		

OPERATIONAL DESCRIPTION: Door normally held open and locked. Valid credential allows entry when door is closed. Door closes and remains locked upon loss of power or signal from fire alarm system. Free egress at all times.

HARDWARE SET 72

1	EA	DOOR PROP ALARM	EA-SN	628	SDC	✓
1	EA	SIGNAGE	4163A	RED	SET	
1	EA	CARD READER	BY SECURITY CONTRACTOR			
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR			

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential at exterior allows entry. Valid credential at interior allows unalarmed egress. Egress without valid credential will sound alarm locally and at remote location. Alarm can be reset locally or at remote location. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 73

	EA	HINGES	AS SPECIFIED	652	HAG	
1	EA	ELECTRIC STRIKE	6211	630	VON	✓
1	EA	INSTITUTION	ND82LD TLR	626	SCH	
2	EA	CYLINDER	AS REQUIRED	626	SAR	
1	EA	CLOSER	4040XP	689	LCN	
1	EA	KICK PLATE	10" X 2" LDW	630	ROC	
1	EA	WALL STOP	409	630	ROC	
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR			
2	EA	CARD READER	BY SECURITY CONTRACTOR			

OPERATIONAL DESCRIPTION: Door normally closed and locked from both sides. Valid credential allows entry. Door remains closed and locked upon loss of power.

HARDWARE SET 74

1	EA	ELECTRIC STRIKE	UNL	630	SEC	✓
1	EA	STOREROOM	ND80LD TLR	626	SCH	
1	EA	CYLINDER	AS REQUIRED	626	SAR	
1	EA	POWER SUPPLY	PS902-FA	600	SCH	✓
1	EA	CARD READER	BY SECURITY CONTRACTOR			
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR			
1	EA	REQUEST TO EXIT	BY SECURITY CONTRACTOR			

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential allows entry. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 75

	EA	HINGES	AS SPECIFIED	652	HAG
1	EA	ELECTRIC HINGE	ETW-8	652	HAG✓
1	EA	EXIT DEVICE	99L-BE ALK 24VDC SS TRIM	626	VON✓
1	EA	CYLINDER	AS REQUIRIED	626	SAR
1	EA	CLOSER	4040XP	689	LCN
1	EA	KICK PLATE	10" X 2" LDW	630	ROC
1	EA	WALL STOP	409	630	ROC
1	EA	CARD READER	BY SECURITY CONTRACTOR		
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		

OPERATIONAL DESCRIPTION: Door normally closed and unlocked from corridor. Valid credential at courtrooms allows unalarmed egress. Egress without valid credential will sound alarm locally and at remote location. Alarm can be reset locally or at remote location. Door remains closed and unlocked upon loss of power. Free egress at all times.

HARDWARE SET 76

2	EA	CONTINUOUS HINGE	780-224HD X EPT	628	HAG	
2	EA	POWER TRANSFER	EPT-10	689	VON	✓
1	EA	EXIT DEVICE	99EO ALK SS TRIM	626	VON	✓
1	EA	EXIT DEVICE	99L X E996L ALK SS TRIM	626	VON	✓
3	EA	CYLINDER	AS REQUIRED	626	SAR	
2	EA	CLOSER	4040XP SCUSH	689	LCN	
2	EA	KICK PLATE	10" X 2" LDW	630	ROC	
2	EA	THRESHOLD	8425	719	NGP	
2	EA	SWEEP	200NA	628	NGP	
2	SET	WEATHERSTRIPPING	9700A	628	NGP	
2	EA	CARD READER	BY SECURITY CONTRACTOR			
2	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR			

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential at exterior allows entry. Valid credential at interior allows unalarmed egress. Egress without valid credential will sound alarm locally and at remote location. Alarm can be reset locally or at remote location. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 77

	EA	HINGES	AS SPECIFIED	652	HAG
1	EA	STOREROOM	ND80LD TLR	626	SCH
1	EA	CYLINDER	AS REQUIRED	626	SAR
1	EA	CLOSER	4040XP	689	LCN
1	EA	KICK PLATE	10" X 2" LDW	630	ROC
1	EA	WALL STOP	409	630	ROC

HARDWARE SET 78

ALL HARDWARE BY DOOR MANUFACTURER

HARDWARE SET 79

1	EA	ELECTRIC HINGE	ETW-8	652	HAG	✓
1	EA	CLOSER	4040XP	689	LCN	
1	EA	CARD READER	BY SECURITY CONTRACTOR			
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR			

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential on push side allows unalarmed egress. Egress without valid credential will sound alarm locally and at remote location. Alarm can be reset locally or at remote location. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET 80

1	EA	EXIT TRIM	713-8	626	SAR	
1	EA	CYLINDER	REUSE EXISTING			

HARDWARE SET AL1

2	EA	CONTINUOUS HINGE	780-112HD EMN X EPT	DKB	HAG	✓
2	EA	POWER TRANSFER	EPT-10	695	VON	✓
1	EA	EXIT DEVICE	RX-QEL33A-EO	710	VON	✓
1	EA	EXIT DEVICE	RX-QEL33A-NL-OP	710	VON	✓
1	EA	CYLINDER	AS REQUIRED	613	SAR	
2	EA	PULL	BF157	613	ROC	
2	EA	OVERHEAD STOP	100S	613	GLY	
1	EA	DROP PLATE	4040XP-18G	695	LCN	
1	EA	CLOSER	4040XP TOP JAMB	695	LCN	
1	EA	AUTOMATIC OPERATOR	MAC-LR1D-R	DKB	MOT	✓
1	EA	MODULE	10BR3		BEA	✓
2	EA	ACTUATOR	10PBS1	630	BEA	✓
1	EA	MOUNTING BOX	10BOX475SQSM	BLK	BEA	
1	EA	WEATHER RING	10WRSQ475		BEA	
1	EA	BOLLARD	ADA-STAINLESS-TOWER	630	PED	
2	EA	THRESHOLD	8425	719	NGP	
2	EA	SWEEP	200NDKB	DKB	NGP	
1	SET	WEATHERSTRIPPING	BY DOOR AND FRAME MANUFACTURER			
1	EA	POWER SUPPLY	PS902-2RS	600	SCH	✓
1	EA	CARD READER	BY SECURITY CONTRACTOR			

OPERATIONAL DESCRIPTION: During business hours doors are normally closed and unlocked. Exterior actuator is active for use. After hours doors are normally closed, locked and exterior actuator is deactivated. Valid credential allows entry and use of exterior actuator. Interior actuator always active for use. Doors remain closed and locked upon loss of power. Free egress at all times.

HARDWARE SET AL2

2 EA CONTINUOUS HINGE	780-112HD EMN X EPT	DKB	HAG✓
2 EA POWER TRANSFER	EPT-10	695	VON✓
1 EA EXIT DEVICE	RX-QEL33A-EO	710	VON✓
1 EA EXIT DEVICE	RX-QEL33A-NL-OP	710	VON✓
1 EA CYLINDER	AS REQUIRED	613	SAR
2 EA PULL	BF157	613	ROC
2 EA OVERHEAD STOP	100S	613	GLY
1 EA DROP PLATE	4040XP-18G	695	LCN
1 EA CLOSER	4040XP TOP JAMB	695	LCN
1 EA AUTOMATIC OPERATOR	MAC-LR1D-R	DKB	MOT✓
1 EA MODULE	10BR3		BEA✓
2 EA ACTUATOR	10PBS1	630	BEA✓
1 EA MOUNTING BOX	10BOX475SQSM	BLK	BEA
1 EA WEATHER RING	10WRSQ475		BEA
1 EA BOLLARD	ADA-STAINLESS-TOWER	630	PED
2 EA THRESHOLD	8425	719	NGP
2 EA SWEEP	200NDKB	DKB	NGP
1 SET WEATHERSTRIPPING	BY DOOR AND FRAME MANUFACTURER		
1 EA POWER SUPPLY	PS902-2RS	600	SCH✓

OPERATIONAL DESCRIPTION: During business hours doors are normally closed and unlocked. Exterior actuator is active for use. After hours doors are normally closed, locked and exterior actuator is deactivated. Interior actuator always active for use. Doors remain closed and locked upon loss of power. Free egress at all times.

HARDWARE SET AL3

2 EA CONTINUOUS HINGE	780-112HD EMN X EPT	DKB	HAG✓
2 EA POWER TRANSFER	EPT-10	695	VON✓
1 EA EXIT DEVICE	LD-RX-33A-EO	710	VON✓
1 EA EXIT DEVICE	RX-QEL33A-EO	710	VON✓
2 EA OVERHEAD STOP	100S	613	GLY
1 EA DROP PLATE	4040XP-18G	695	LCN
1 EA CLOSER	4040XP TOP JAMB	695	LCN
1 EA AUTOMATIC OPERATOR	MAC-LL1D-R	DKB	MOT✓
1 EA MODULE	10BR3		BEA✓
1 EA ACTUATOR	10PBS1	630	BEA✓
1 EA MOUNTING BOX	10BOX475SQSM	BLK	BEA
2 EA THRESHOLD	8425	719	NGP
2 EA SWEEP	200NDKB	DKB	NGP
1 SET WEATHERSTRIPPING	BY DOOR AND FRAME MANUFACTURER		
1 EA POWER SUPPLY	PS902-2RS	600	SCH✓

OPERATIONAL DESCRIPTION: Doors always closed and locked from exterior. No outside access. Interior actuator always active for use. Doors remain closed and locked upon loss of power. Free egress at all times.

HARDWARE SET AL4

2 EA CONTINUOUS HINGE	780-112HD EMN X EPT	DKB	HAG✓
2 EA POWER TRANSFER	EPT-10	695	VON✓
2 EA EXIT DEVICE	RX-33A-EO	710	VON✓
2 EA OVERHEAD STOP	100S	613	GLY
2 EA DROP PLATE	4040XP-18G	695	LCN
2 EA CLOSER	4040XP TOP JAMB	695	LCN
2 EA THRESHOLD	8425	719	NGP
2 EA SWEEP	200NDKB	DKB	NGP
1 SET WEATHERSTRIPPING	BY DOOR AND FRAME MANUFACTURER		

HARDWARE SET AL5

2 EA CONTINUOUS HINGE	780-112HD EMN X EPT	DKB	HAG✓
2 EA POWER TRANSFER	EPT-10	695	VON✓
1 EA EXIT DEVICE	LD-RX-33A-EO	710	VON✓
1 EA EXIT DEVICE	RX-QEL33A-EO	710	VON✓
2 EA OVERHEAD STOP	100S	613	GLY
1 EA DROP PLATE	4040XP-18G	695	LCN
1 EA CLOSER	4040XP TOP JAMB	695	LCN
1 EA AUTOMATIC OPERATOR	MAC-ML1D-R	DKB	MOT✓
1 EA MODULE	10BR3		BEA✓
1 EA ACTUATOR	10PBS1	630	BEA✓
1 EA MOUNTING BOX	10BOX475SQSM	BLK	BEA
2 EA SWEEP	200NDKB	DKB	NGP
1 SET WEATHERSTRIPPING	BY DOOR AND FRAME MANUFACTURER		
1 EA POWER SUPPLY	PS902-2RS	600	SCH✓

OPERATIONAL DESCRIPTION: Doors always closed and locked from exterior. No outside access. Interior actuator always active for use. Doors remain closed and locked upon loss of power. Free egress at all times.

HARDWARE SET AL6

1 EA DOOR CORD	TSB-C	630	SEC✓
1 EA QEL CONVERSION KIT	958003-00		VON✓
1 EA DOOR PROP ALARM	EA-SN	628	SDC✓
1 EA MODULE	10BR3		BEA✓
2 EA SIGNAGE	4163A	RED	SET
1 EA CARD READER	BY SECURITY CONTRACTOR		
1 EA DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential at exterior allows entry and use of outside automatic operator actuator. Valid credential at interior allows unalarmed egress and use of inside automatic operator actuator. Egress without valid credential will sound alarm locally and at remote location. Alarm can be reset locally or at remote location. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET AL7

1	EA	DOOR PROP ALARM	EA-SN	628	SDC	✓
1	EA	SIGNAGE	4163A	RED	SET	
1	EA	CARD READER	BY SECURITY CONTRACTOR			

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential at exterior allows entry. Valid credential at interior allows unalarmed egress. Egress without valid credential will sound alarm locally and at remote location. Alarm can be reset locally or at remote location. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET AL8

NOT USED

HARDWARE SET AL9

1	EA	DOOR PROP ALARM	EA-708	628	SDC	✓
1	EA	CYLINDER	AS REQUIRED	626	ARR	
2	EA	SIGNAGE	4163A	RED	SET	
2	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR			

OPERATIONAL DESCRIPTION: Door normally closed and locked. Egress will sound alarm locally and at remote location. Alarm can be reset locally or at remote location. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET AL10

1	EA	DOOR CORD	TSB-C	630	SEC	✓
1	EA	QEL CONVERSION KIT	958003-00		VON	✓
1	EA	DOOR PROP ALARM	EA-SN	628	SDC	✓
1	EA	POWER SUPPLY	PS902-2RS	600	SCH	✓
2	EA	SIGNAGE	4163A	RED	SET	
2	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR			
2	EA	CARD READER	BY SECURITY CONTRACTOR			

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential at exterior allows entry. Valid credential at interior allows unalarmed egress. Egress without valid credential will sound alarm locally and at remote location. Alarm can be reset locally or at remote location. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET AL11

1	EA	DOOR PROP ALARM	EA-SN	628	SDC	✓
2	EA	SIGNAGE	4163A	RED	SET	
2	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR			
1	EA	CARD READER	BY SECURITY CONTRACTOR			

OPERATIONAL DESCRIPTION: Door normally closed and locked. Egress will sound alarm locally and at remote location. Valid credential at interior allows unalarmed egress. Alarm can be reset locally or at remote location. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET AL12

1	EA	DOOR PROP ALARM	EAX-500	GRY	DET	✓
1	EA	CYLINDER	AS REQUIRED	626	SAR	
2	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR			

HARDWARE SET AL13

1	EA	DOOR PROP ALARM	EA-SN	628	SDC	✓
2	EA	SIGNAGE	4163A	RED	SET	
1	EA	CARD READER	BY SECURITY CONTRACTOR			

OPERATIONAL DESCRIPTION: Door normally closed and locked. Valid credential at exterior allows entry. Valid credential at interior allows unalarmed egress. Egress without valid credential will sound alarm locally and at remote location. Alarm can be reset locally or at remote location. Door remains closed and locked upon loss of power. Free egress at all times.

HARDWARE SET AL14

2	EA	CONTINUOUS HINGE	780-112HD X EPT	DKB	HAG	
2	EA	POWER TRANSFER	EPT-10	695	VON	✓
2	EA	EXIT DEVICE	33A-EO ALK SS TRIM	710	VON	✓
2	EA	CYLINDER	AS REQUIRED	613	SAR	
2	EA	OVERHEAD STOP	100S	613	GLY	
2	EA	DROP PLATE	4040XP-18G	695	LCN	
2	EA	CLOSER	4040XP TOP JAMB	695	LCN	
2	EA	THRESHOLD	8425	719	NGP	
2	EA	SWEEP	200NDKB	DKB	NGP	
1	SET	WEATHERSTRIPPING	BY DOOR AND FRAME MANUFACTURER			
2	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR			

OPERATIONAL DESCRIPTION: Door normally closed and locked. Egress will sound alarm locally and at remote location. Alarm can be reset locally or at remote location. Door remains closed and locked upon loss of power. Free egress at all times.

END OF SECTION

<u>DOOR NUMBER</u>	<u>HARDWARE SET</u>	<u>DOOR NUMBER</u>	<u>HARDWARE SET</u>
01.1.001A, 01.1.001B	AL6	03.1.152	16
01.1.001C, 01.1.001D	EX	03.1.153	16
01.1.004	EX	03.1.155	16
01.1.005	59	03.1.156	11
01.1.007	16	03.1.157	16
01.1.008	57	03.1.158	11
01.1.009	16	03.1.159	16
01.1.010	57	03.1.161	16
01.1.011	61	03.1.163	16
01.1.012	57	03.1.165	16
01.1.013	16	03.1.167	16
01.1.014	61	03.1.169	16
01.1.015	16	03.1.170A	42
01.1.016	61	03.1.170B	11
01.1.017	16	03.1.173	16
01.1.018	61	03.1.174	16
01.1.019A	16	03.1.175	16
01.1.019B	EX	03.1.176	16
01.1.021	16	03.1.177	16
01.1.023	EX	03.1.178	16
01.1.024	1	03.1.180	16
01.1.025	16	03.1.181	16
01.1.027	1	03.1.182	16
01.1.029	16	03.1.183	16
01.1.031	59	03.1.184	16
01.1.033	16	03.1.186	7
01.1.034	16	03.1.187	16
01.1.035	16	03.1.188	10
01.1.037	16	03.1.189	6
01.1.038	EX	03.1.191A	53
01.1.103	61	03.1.191B	53
01.3.001	4	03.1.192A	9
01.3.003A	1	03.1.192B	6
01.3.005	EX	03.1.194	16
03.0.001	68	03.1.195	16
03.0.001B	61	03.1.196	1
03.0.004	16	03.1.197	16
03.0.031	10	03.1.198	16
03.0.054	3	03.1.199	16
03.0.54	64	03.1.200	11
03.1.146	1	03.1.201	12
03.1.147	16	03.1.202	13
03.1.148	16	03.1.203	EX
03.1.149	16	03.1.204	EX
03.1.150	16	03.1.205B	AL7
03.1.151	16	03.1.206A	69

<u>DOOR NUMBER</u>	<u>HARDWARE SET</u>	<u>DOOR NUMBER</u>	<u>HARDWARE SET</u>
03.1.207	EX	03.2.115	16
03.1.208	EX	03.2.116	16
03.1.209	EX	03.2.117	16
03.1.210	EX	03.2.118	16
03.1.211	EX	03.2.119	16
3.1.212	62	03.2.120	16
03.1.213A	EX	03.2.121	16
03.1.213B	EX	03.2.122	16
03.1.214	EX	03.2.123	16
03.1.215	EX	03.2.124A	16
03.1.216	-	03.2.124B	16
03.1.S1	EX	03.2.125	16
03.1.S2	63	03.2.127	16
03.1.S3	70	03.2.128	16
03.1.S4A	35	03.2.129	16
03.1.S4B	AL7	03.2.130	16
03.2.053A	2	03.2.131	1
03.2.053B	4	03.2.132	16
03.2.053C	2	03.2.134A	10
03.2.087	16	03.2.134B	10
03.2.088	7	03.2.136	16
03.2.089	16	03.2.137	16
03.2.090	16	03.2.138	16
03.2.091	16	03.2.139	16
03.2.093A	7	03.2.140	16
03.2.093B	7	03.2.141	16
03.2.094	16	03.2.142	16
03.2.095	16	03.2.144	16
03.2.096	16	03.2.145A	EX
03.2.097	16	03.2.145B	EX
03.2.098	16	03.2.146	16
03.2.099	16	03.2.147	EX
03.2.100	16	03.2.148	16
03.2.101	16	03.2.149A	EX
03.2.102	16	03.2.149B	EX
03.2.103	16	03.2.151	EX
03.2.104	16	03.2.152	EX
03.2.105	16	03.2.153	EX
03.2.106	16	03.2.154	16
03.2.107	16	03.2.155	EX
03.2.108	6	03.2.156	16
03.2.109	15	03.2.157	EX
03.2.110	16	03.2.158	16
03.2.112A	16	03.2.S1	80
03.2.112B	6	03.2.S2	65
03.2.113	11	03.2.S3	EX

<u>DOOR NUMBER</u>	<u>HARDWARE SET</u>	<u>DOOR NUMBER</u>	<u>HARDWARE SET</u>
03.3.137A	9	03.3.185	EX
03.3.137B	4	03.3.186A	3
03.3.137C	2	03.3.186B	10
03.3.138	2	03.3.187	16
03.3.139	16	03.3.188	16
03.3.140	16	03.3.189	16
03.3.141	10	03.3.190	EX
03.3.142	16	03.3.191	16
03.3.143	53	03.3.193	10
03.3.144	16	03.3.194	16
03.3.145	15	03.3.195	16
03.3.146	16	03.3.196	16
03.3.147	16	03.3.197	16
03.3.149	16	03.3.198	16
03.3.150	16	03.3.199	16
03.3.151	16	03.3.200	16
03.3.152	16	03.3.201	16
03.3.153	16	03.3.202	16
03.3.154	16	03.3.203	16
03.3.155	16	03.3.205	16
03.3.156	3	03.3.S1A	EX
03.3.157	16	03.3.S1B	EX
03.3.158	10	03.3.S2	65
03.3.159	16	03.3.S3	EX
03.3.160	16	04.0.001A	58
03.3.161	16	04.0.001B	EX
03.3.163	16	04.0.003	16
03.3.165	16	04.0.004	18
03.3.166	7	04.0.006	18
03.3.167	16	04.0.007A	23
03.3.168	16	04.0.007B	16
03.3.169	16	04.0.007C	16
03.3.170	1	04.0.007D	-
03.3.171	EX	04.0.008	18
03.3.172	EX	04.0.010	24
03.3.174A	EX	04.0.011	41
03.3.174B	EX	04.0.012	16
03.3.175	16	04.0.013	25
03.3.176	EX	04.0.014	16
03.3.177	16	04.0.016	18
03.3.179	16	04.0.018	40
03.3.180	10	04.0.018B	5
03.3.181	16	04.0.019	20
03.3.182	16	04.1.001A	EX
03.3.183	EX	04.1.001B	43
03.3.184	EX	04.1.003A	11

<u>DOOR NUMBER</u>	<u>HARDWARE SET</u>	<u>DOOR NUMBER</u>	<u>HARDWARE SET</u>
04.1.003B	16	04.1.050	72
04.1.005A	41	04.2.001A	26
04.1.005B	41	04.2.001B	77
04.1.006	16	04.2.001C	19
04.1.009	16	04.2.001D	78
04.1.010	18	04.2.002	75
04.1.011	18	04.2.003	29
04.1.012	18	04.2.004	EX
04.1.013	16	04.2.005	28
04.1.014	16	04.2.008	45
04.1.015	16	04.2.009	45
04.1.016	16	10.1.001A & B	AL1
04.1.017A	11	10.1.001C & D	AL2
04.1.017B	11	10.1.002A & B	AL3
04.1.018	16	10.1.002C & D	AL4
04.1.019	18	10.1.002E & F	AL5
04.1.020	16	10.1.003A & B	-
04.1.021	74	10.1.004A	23
04.1.022	66	10.1.004B	23
04.1.023	18	10.1.005A	23
04.1.024	18	10.1.005B	23
04.1.026	16	10.1.006	46
04.1.027	16	10.1.007	31
04.1.028	16	10.1.008A	16
04.1.029	16	10.1.008B	22
04.1.030	16	10.1.009	15
04.1.031	16	10.1.010	16
04.1.032	16	10.1.011	16
04.1.033	25	10.1.012	16
04.1.034	16	10.1.013	16
04.1.035	25	10.1.014	16
04.1.036	EX	10.1.015	16
04.1.038	18	10.1.016	16
04.1.039	16	10.1.017	18
04.1.040	67	10.1.018	16
04.1.041	11	10.1.019	16
04.1.042	16	10.1.020	16
04.1.043	16	10.1.021	16
04.1.044	15	10.1.022	47
04.1.045A	64	10.1.023	30
04.1.046	71	10.1.024	76
04.1.047A & B	EX	10.1.025	48
04.1.047C & D	AL9	10.1.026	32
04.1.048	22	10.1.027	32
04.1.049A	79	10.1.028A & B	AL14
04.1.049B	79		

<u>DOOR NUMBER</u>	<u>HARDWARE SET</u>	<u>DOOR NUMBER</u>	<u>HARDWARE SET</u>
10.1.029	49	10.1.078C	2
10.1.030	8	10.1.078D	2
10.1.031A	33	10.1.079	10
10.1.031B	34	10.1.080	10
10.1.032	16	10.1.082	10
10.1.033A	16	10.1.083	10
10.1.033B	6	10.1.084	10
10.1.034	8	10.1.087	16
10.1.036	73	10.1.088	16
10.1.039	16	10.1.089	16
10.1.040	16	10.1.090	16
10.1.041	16	10.1.091	16
10.1.042	16	10.1.092	16
10.1.043	16	10.1.093	16
10.1.044	16	10.1.094	16
10.1.045	16	10.1.095	16
10.1.046	16	10.1.096	16
10.1.047	16	10.1.097	16
10.1.048	16	10.1.099	16
10.1.049	16	10.1.100	16
10.1.050	16	10.1.101	16
10.1.051	16	10.1.102	16
10.1.052	16	10.1.103	16
10.1.053	16	10.1.104	16
10.1.054	6	10.1.106	16
10.1.055	16	10.1.107	16
10.1.056	16	10.1.108	16
10.1.058	16	10.1.109	16
10.1.059	16	10.1.112	16
10.1.062	1	10.1.113	16
10.1.063	16	10.1.114	16
10.1.064	16	10.1.115	16
10.1.065	16	10.1.116	16
10.1.066	16	10.1.117	16
10.1.067	16	10.1.118	16
10.1.068	16	10.1.119	16
10.1.069	16	10.1.120	16
10.1.070	16	10.1.121	16
10.1.071	16	10.1.122	16
10.1.072	16	10.1.123	16
10.1.073	1	10.1.124	16
10.1.074	11	10.1.125	16
10.1.076	1	10.1.126	16
10.1.077	1	10.1.128	16
10.1.078A	33	10.1.131	16
10.1.078B	2	10.1.132	16

<u>DOOR NUMBER</u>	<u>HARDWARE SET</u>	<u>DOOR NUMBER</u>	<u>HARDWARE SET</u>
10.1.133	16	10.2.018A	14
10.1.134	16	10.2.018B	22
10.1.135	10	10.2.019	16
10.1.136	16	10.2.020	16
10.1.137	16	10.2.021	54
10.1.138	16	10.2.022	23
10.1.140	8	10.2.023A	54
10.1.141	16	10.2.023B	22
10.1.143	16	10.2.024A	18
10.1.144	16	10.2.024B	23
10.1.145A	13	10.2.026A	23
10.1.145B	17	10.2.026B	18
10.1.160	10	10.2.028	41
10.1.164	10	10.2.029	23
10.1.166	10	10.2.030	7
10.1.S2A	35	10.2.031A	9
10.1.S2B	60	10.2.031B	6
10.2.001	50	10.2.033A	54
10.2.002	56	10.2.033B	23
10.2.003	36	10.2.034	30
10.2.004A	51	10.2.035	18
10.2.004B	51	10.2.036	7
10.2.004D	52	10.2.037	41
10.2.004E	52	10.2.038	54
10.2.004F	-	10.2.040A	41
10.2.004G	-	10.2.040B	41
10.2.004H	-	10.2.041A	21
10.2.004I	-	10.2.041B	25
10.2.005A	38	10.2.042A	41
10.2.005B	38	10.2.042B	23
10.2.005C	53	10.2.044A	41
10.2.005D	53	10.2.044B	23
10.2.007A	36	10.2.045	23
10.2.007B	27	10.2.046	23
10.2.008	16	10.2.047	16
10.2.009	16	10.2.048	16
10.2.010A	54	10.2.049	16
10.2.010B	23	10.2.050	16
10.2.010C	22	10.2.051	16
10.2.011	18	10.2.052	18
10.2.012	38	10.2.054	39
10.2.013	53	10.2.057A	11
10.2.014	32	10.2.057B	55
10.2.015	32	10.2.058	16
10.2.016	49	10.2.059	16
10.2.017	8	10.2.060	16

<u>DOOR NUMBER</u>	<u>HARDWARE SET</u>	<u>DOOR NUMBER</u>	<u>HARDWARE SET</u>
10.2.061	16	10.3.021	16
10.2.062	16	10.3.023	16
10.2.063	16	10.3.024	15
10.2.064A	11	10.3.025	16
10.2.064B	56	10.3.026A	16
10.2.065	16	10.3.026B	16
10.2.066	10	10.3.027	44
10.2.067	16	10.3.028	7
10.2.068	44	10.3.029	6
10.2.069	16	10.3.030	16
10.2.071	6	10.3.031	16
10.2.072	16	10.3.032	16
10.2.073	3	10.3.033A	16
10.2.074	16	10.3.033B	16
10.2.075	16	10.3.034	16
10.2.076	16	10.3.035	16
10.2.077	16	10.3.036	16
10.2.078	16	10.3.037	16
10.2.079	16	10.3.038	16
10.2.080	16	10.3.039	16
10.2.081	16	10.3.040	16
10.2.082	16	10.3.041	16
10.2.083	16	10.3.042	16
10.2.084	13	10.3.043	16
10.2.085	16	10.3.044	16
10.2.S2	35	10.3.046	16
10.3.002A	37	10.3.048	39
10.3.002B	36	10.3.049	6
10.3.003	38		
10.3.004	38	10.3.050	6
10.3.005	32	10.3.051	6
10.3.006	32	10.3.052	10
10.3.007	49	10.3.053	16
10.3.008	8	10.3.054	16
10.3.010A	9	10.3.055	16
10.3.010B	2	10.3.056	16
10.3.010C	2	10.3.057	16
10.3.013	16	10.3.058	16
10.3.014	16	10.3.059	16
10.3.015	16	10.3.061	16
10.3.016	16	10.3.063	16
10.3.017	16	10.3.064	16
10.3.019	16	10.3.065	16
10.3.020	11	10.3.066	16

<u>DOOR NUMBER</u>	<u>HARDWARE SET</u>	<u>DOOR NUMBER</u>	<u>HARDWARE SET</u>
10.3.067	16	10.3.117	16
10.3.068	16	10.3.118	16
10.3.069	16	10.3.119	16
10.3.071	10	10.3.121	16
10.3.072	16	10.3.123	13
10.3.073	16	10.3.124	16
10.3.074	16	10.3.125	16
10.3.075	16	10.3.126	16
10.3.076	16	10.3.127	16
10.3.077	16	10.3.128	16
10.3.078	16	10.3.129	16
10.3.079	10	10.3.130	16
10.3.080	16	10.3.131	16
10.3.081	16	10.3.132	16
10.3.082	16	10.3.133	16
10.3.083	16	10.3.134	16
10.3.084	16	10.3.135	16
10.3.085	10	10.3.136	6
10.3.087	16	10.3.S1A	-
10.3.089	16	10.3.S1B	-
10.3.090	16	10.3.S2	35
10.3.091	16		
10.3.092	16	ALT.001, ALT.002	AL10
10.3.094	16	ALT.003	AL11
10.3.095	16	ALT.004	AL9
10.3.096	16	ALT.005A	AL12
10.3.097	16	ALT.005B	EX
10.3.098	16	ALT.006	AL13
10.3.099	16	ALT.007	AL13
10.3.101	16	ALT.008	AL7
10.3.102	16		
10.3.103	16		
10.3.104	16		
10.3.105	16		
10.3.106	16		
10.3.107	16		
10.3.108	16		
10.3.109	16		
10.3.112	16		
10.3.113A	7		
10.3.113B	7		
10.3.114	16		
10.3.115	16		
10.3.116	16		