Goodwyn Mills Cawood
11 North Water Street
Suite 19290
Mobile, Alabama 36602
T 251.460.4006
F 251.460.4423

FASCIMILE TRANSMITTAL COVER SHEET

DATE: **August 19, 2026**

TO: **Doris Furr**

FROM: **Planholder**

PROJECT: **SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)**
FOR DAUPHIN ISLAND SEA LAB
GMC PROJECT NO. AMOB260001

RE: **ADDENDUM NO. 1 AND ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM NO. 1**

ACKNOWLEDGEMENT OF RECEIPT:

PLEASE PRINT RECIPIENT'S NAME, FIRM, AND DATE RECEIVED.

THEN FAX BACK TO (251) 460-4423 or EMAIL doris.furr@gmcnetwork.com
FOR OUR RECORDS AND TO ACKNOWLEDGE YOUR RECEIPT OF THIS ADDENDUM.

_____

NAME *(PLEASE PRINT)*

_____

FIRM *(PLEASE PRINT)*

_____

DATE RECEIVED *(PLEASE PRINT)*

Pages to follow this page

ADDENDUM NUMBER 1 **August 19, 2026**

PROJECT: SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR DAUPHIN ISLAND SEA LAB
GMC PROJECT NO. AMOB260001
DCM PROJECT NO. 2026138

AD1-1 CLARIFICATIONS / RFI'S / RESPONSES:

1. Bidders shall acknowledge receipt of the Addendum in writing, as provided on the Acknowledgment Receipt.

2. We would like to do a substitution of Mecho for Draper. We have attached the spec sheets. The NexD clutch is equivalent to the mecho shade clutch. The Infinity 2 is equivalent to Eco Veil. The Sheerweave is equivalent to Soho.
RESPONSE: The submitted products are approved for Roller Shade RS-1.

3. There are no specs for the hollow metal frames. Please provide.
RESPONSE: Specification Section 08 1100 Interior Steel Doors and Frames (Addendum No. 1) dated 08/19/2026 is attached.

4. G0.10 says Interior Signage and Roller Window Shades are specialty contracts awarded/assigned to GC. Technical specifications identify them as normal scope items. Please advise how this will be handled.
RESPONSE: The Interior Signage and Roller Window Shall are normal scope items for the General Contractor to provide in base bid cost.

5. Please confirm current roofing subcontractor.
RESPONSE: Roof Doctors

6. Please confirm current fire alarm subcontractor.
RESPONSE: Arena Fire Protection

7. Please confirm the current sprinkler system subcontractor.
RESPONSE: Arena Fire Protection

8. Unit Price #5 & #7 are essentially identical 120V Duplex Power Outlet in wall with box conduit and wiring. Please confirm if one of these should read differently.
RESPONSE: Unit Price #5 shall be one (1) single outlet . Unit Price Item #7 shall be one (1) duplex outlet.

9. Please confirm current completion date for Phase 1.
RESPONSE: The New Dormitory Building Envelope Phase 1 DCM Final Inspection will be scheduled around December 22, 2026. The New Dormitory Building Envelope Phase 1 completion turn over is scheduled for January 11, 2027.

10. **Second Floor Doors shall be mortise locks per Owner.**

11. **The Owner will provide and install the Sargent IN220 Power over Ethernet (PoE) Intelligent IP-enabled mortise lock and core Access Control Hardware Systems for the eighteen (18) Second Floor Gulf Suite Dwelling Unit Corridor Door(s) systems 232A, 233A, 234A, 235A, 236A, 237A, 238A, 239A, 240A,241A, 242A, 243A, 244A, 245A, 246A, 247A, 248A, and 249A.**
    a. **The Contractor shall provide these Dwelling Unit Corridor Door Frames to be prepped and provided with electrified hinges for future Owner IN220 Access Control plug and play connection.**

12. **The Owner (Dauphin Island Sea Lab (DISL)) already has current access control software and new second floor locks to be tied into Owner's existing system.**

13. **The General Contractor shall provide and install the following for the eighteen (18) Second Floor Gulf Suite Dwelling Unit Corridor Door(s) systems 232A, 233A, 234A, 235A, 236A, 237A, 238A, 239A, 240A,241A, 242A, 243A, 244A, 245A, 246A, 247A, 248A, and 249A :**
    a. **Contractor shall provide and install CAT6E to the center hinges of the corridor entrance doors of each dwelling unit corridor door(s).**
    b. **The Contractor shall provide and install door frames with ethernet junction box to provide power over ethernet in frame.**
    c. **The Contractor shall provide and install an electrified hinge McKinney Part: 4 1/2" x 4" , 4 1/2" x 4 1/2" TA2714 26D PoE per each Dwelling Unit Door.**

14. **The Hardware Set #1 Gulf Suite Dwelling Unit Corridor door(s) systems shall follow the Sargent Template No. 4758 for door hardware locations and connection to future Owner provided Sargent part number # 70-IN220-82278-BIPS-B-LN-L-26D-HANDING.**

15. Spec calls for welded angle framed mirrors but the legend on plans calls for channel framed mirrors. Please clarify.
    RESPONSE: Provide Channel framed mirrors.

16. A copy of the mandatory pre-bid meeting agenda/summary and sign-in sheet are attached.

AD1-2 ISSUED SPECIFICATIONS:

1. **Add Section 08 1100 Interior Steel Doors and Frames (Addendum No. 1) dated 08/19/2026 in its entirety.**
2. **Replace Section 08 7100 Door Hardware in its entirety with the attached add Specification Section 08 7100 Door Hardware (Addendum No. 1) dated 08/19/2026 in its entirety.**
3. **Replace Section 09 6519 - Resilient Tile Flooring in its entirety with the attached add Section 09 6519 - Resilient Tile Flooring (Addendum No. 1) dated 08/19/2026 in its entirety.**

AD1-3 ISSUED DRAWINGS:

1. **Replace Drawing Sheet A6.01 Opening Schedule in its entirety with the attached add Drawing Sheet A6.01 Opening Schedule (Addendum # 1) dated 08/19/2026 in its entirety.**

AD1-4 ATTACHMENTS:

1. Addendum Acknowledgment Response
2. Mandatory Pre-bid Meeting Agenda/Summary
3. Mandatory Pre-bid Meeting Sign-In Sheet
4. Section 08 1100 Interior Steel Doors and Frames (Addendum No. 1) dated 08/19/2026
5. Section 08 7100 Door Hardware (Addendum No. 1) dated 08/19/2026
6. Section 09 6519 - Resilient Tile Flooring (Addendum No. 1) dated 08/19/2026
7. Drawing Sheet A6.01 Opening Schedule (Addendum # 1) dated 08/19/2026

-END OF ADDENDUM-

PREPARED BY



Goodwyn Mills Cawood
11 North Water Street
Suite 19290
Mobile, Alabama 36602
T 251.460.4006
F 251.460.4223

MANDATORY PRE-BID CONFERENCE AGENDA/SUMMARY

FOR

DAUPHIN ISLAND SEA LAB
NEW DORMITORY - SECOND FLOOR FIT OUT (INTERIOR RENOVATION)
GMC PROJECT NO. AMOB260001
AUGUST 18, 2026 AT 2:00 PM

DCM PROJECT NO. 2026138

Note: *This Agenda is complimentary for general use as an outline and for discussion during this meeting. Any errors, omissions, or clarifications shall be communicated to the Architect for distribution. This Agenda does not attempt to be, nor represent, any recapitulation of Project requirements, and does not change or alter same in any respect; Changes, if any, will only be made by written Addendum.*

1. Welcoming remarks. Reminder to sign in on sheet being circulated

2. Name of Owner Representative's – **Dauphin Island Sea Lab**
Dr. John Valentine
David England
Shelley Stephens

Architect - **Goodwyn Mills Cawood, LLC**
Brooke Rodriguez-Feo - Project Architect
Kristin Bryson -Interior Designer
Doris Furr - Administrative Assistant
Daniel Greer- Construction Administrator

3. Every General Contractor and every Subcontractor should read and be familiar with all the "front-end" documents and all of Division 1 of the Project Manual, in addition to the work they are bidding and must coordinate with. This project is an Alabama Division of Construction (DCM) Project. This project will follow the DCM Project inspection requirements.

4. **Bid time, date, place** - is indicated in the Advertisement for Bids; September 1, 2026 at 2:00 p.m., Dauphin Island Sea Lab at 101 Bienville Boulevard, Dauphin Island, AL 36528 at the Richard C. Shelby Center for Ecosystem-based Fisheries Auditorium (brick building immediately past the DI campground).
It is the Contractor's responsibility to make sure Bid is received prior to bid time or it will not be accepted.

5. Note that Advertisement and Instructions to Bidders should be read by each bidder. For insurance requirements refer to General Conditions of the Contract (DCM Form C-2) Article 37. A Certificate

of Insurance evidencing all the minimum requirements must be provided to and accepted by Dauphin Island Sea Lab PRIOR to commencing on the contract.

6. Contractors shall use the Proposal Form included in Project Manual, copies of which are furnished to each bidder with Bid Documents. Bids must include Attachment A to Proposal Form (Unit Prices) at Bid time and date. Only 1 copy is required to be submitted.

7. Bidders are required to provide a list (Attachment B to Proposal Form) of all proposed subcontractors, fabricators, and suppliers for the work. Said list must be provided with the proposal form or at the contractor's option no later than 24 hours after receipt of the bids.

8. Before submitting a bid for the Work, the bidders shall carefully examine the Bid Documents, visit the site, and satisfy themselves as to the nature and location of the Work, and the general and local conditions, including weather, the general character of the site and building, the character and extent of existing work within or adjacent to the site and any other work being performed thereon at the time of submission of their bids.

9. Addenda - Minutes of Pre-Bid Meeting, and any pertinent items discussed shall be issued as Addendum following the Pre-Bid Meeting (Addendum No. 1). Any further addenda necessary after the Pre-Bid Meeting will be issued to all plan holders. All Requests for Information (RFI's) shall be provided in writing for response.

10. Clarification will be made only by written Addenda sent to all prospective bidders. Questions and Clarifications must be submitted in writing 72 hours prior to bid.

11. When the Bid Documents identify three or more sources and the list of sources is not followed by "or approved equal" or similar wording, the bidder's proposal shall be based upon one of the identified sources, unless the bidder obtains "Pre-bid Approval" of another source. Approval of substitutions, if granted, shall not be effective until published by the Architect in an addendum to the Bid Documents. Requests for substitutions will not be considered 72 hours prior to bid.

12. If there is a conflict, discrepancy, or confusion between the existing conditions, plans and specifications for work, materials or equipment and the Contractor does not receive written clarification from the Architect prior to the opening of bids the Contractor shall include the better quality or greater quantity of work in his/her bid.

13. All information requested of the bidder on the Bid Form must be filled in. The form must be completed by typewriter or hand-printed in ink.

14. Bids shall be accompanied by a Bid Security equal to 5% (percent) of the total bid price, including the allowance, but in no event not more than $10,000.00. Bid Security shall be on the form of a Bid Bond or cashier's check payable Dauphin Island Sea Lab. No Bid Security is required on Bids less than $10,000.00.

15. Each bid shall be placed, together with a bid guaranty, in a sealed envelope. On the outside of the

envelope the bidder shall write in large letters "Proposal", below which the bidder shall identify the Project and the Work bid on, the name of the bidder, the bidder's current general contractor's state license number, and Project No.: AMOB260001.

16. Performance Assurance and Insurance: The bidder to whom award is made shall provide a Performance Bond equal to 100% of the total Contract Amount (including allowances) and a Labor and Material Bond equal to 100% of the total contract amount (including allowances). The accepted Bidder shall also provide insurance as required.
NO WORK IS TO BE PERFORMED UNTIL PROOF OF COMPLIANCE WITH THE INSURANCE REQUIREMENTS HAS BEEN RECEIVED BY DAUPHIN ISLAND SEA LAB.

17. Bids may be delivered in person or by mail if ample time is allowed for delivery.

18. Bids will be opened and read publicly at the time and place indicated in the Revised Advertisement for Bids.

19. Alternates are listed in the Bid Form in the order in which they shall cumulatively add to or deduct from the base bid for determining the lowest bidder. There are no alternates at this time, but may be added through addendum.

20. Award of contract by Awarding Authority, ASAP after the opening of bids.

21. Proposals may be rejected if they contain any omissions, alterations of forms, additions not called for, conditional bids, alternate bids unless called for, incomplete bids, erasures, or irregularities of any kind.

22. Completion Time for Project: Base Bid Completion Time: 150 calendar days unless changed Work is to commence within ten (10) calendar days from date of Notice to Proceed or Notice of Award.

23. At the time the Contractor duly awarded the Bid receives the signed Contract and the Notice to Proceed, he shall submit a Schedule of Work Progress to the Architect which reasonably reflects the amount of time required for each Phase of Work and the deadline by which it can be expected that such phase of the Work shall be completed. This Schedule should accurately reflect the date for Substantial Completion, and take into consideration any reasonable contingencies.

24. A Schedule of Values should be provided with the breakdown of material and breakdown of labor for each line item. This will help processing pay applications quicker.

25. The Contractor shall be responsible for all project safety. Neither the Architect nor the Owner will be responsible for the Contractor's safety precautions, means, methods, techniques, sequences, or procedures. Contractor's personnel responsible for safety shall be OSHA certified. Safety barricades for project, including equipment and storage areas, part of contractors means, methods, techniques, sequences, procedures; cost of any type fencing, barricades, etc. necessary shall be incidental to project.

26. Parking for Contractors and their Subs and workers: Shall be coordinated with the Owner.

27. Traffic Control:

- Coordinate all construction activities with parties having jurisdiction.
- Particular attention shall also be paid to vehicular and pedestrian traffic and routing of such during project.

28. Meetings: Owner / Architect / Contractor Bi-weekly (OAC) Progress Meeting to be held per project requirements.

-Pre-Construction Conference will be held once a Contractor has been awarded the project and contract signed.

29. Per DCM's May 29, 2012 bulletin Guidance on Act 2012-491 Amending the Alabama Immigration Law: "Contractors (including architects and engineers) will be required to enroll in the E-Verify program and to provide documentation of enrollment in the E-Verify program with their contracts or agreements."

30. Liquidated Damages: Per General Conditions of the Contract; Article 49

31. Goodwyn Mills Cawood, LLC (Project Architect). Address and telephone numbers: 11 North Water Street, Suite 19290, Battle House Tower, Mobile, AL 36602, Phone: (251) 460-4006, Fax (251) 460-4423.
Project Manager: Brooke Rodriguez-Feo
Email: brooke.rodriguezfeo@gmcnetwork.com
doris.furr@gmcnetwork.com

31. Closing remarks / questions.

A. *The Second Floor Interior Fit Out will be an occupied building on the First Floor during interior renovation project.*
B. *The Construction Work Hours shall be 8 am to 5 pm.*
C. *The Second Floor project roof penetrations work will be evaluated and responded to in a future Addendum.*
D. *The Second Floor Plumbing sanitary waste system will be roughed-in , inspected, and tested for the second floor plumbing fixture connections.*
E. *Email additional Request for Information (RFI) questions.*

GMC

DAUPHIN ISLAND SEA LAB
SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)

GMC PROJECT NO.: AMOB260001
MANDATORY PRE-BID MEETING SIGN-IN SHEET
AUGUST 18, 2026 AT 2:00 P.M.

NAME	COMPANY	GC #	PHONE	EMAIL
Justin Duffy	Tindle Construction	51512	251-654-4148	Justin @ tindleconstruction.net
Josh Dindo	Bienville CS		251-721-1128	Josh@bienvillecs.com
TRENTON ABELL	POWERS OF MS		228-697-8671	trenton.abell@powers-hvac.com
Todd MARCELL	GAF Companies		251-377-9596	Todd@GAFCompanies.com
Jay Collins	Green-Simmons	38421	8504290144	jamarcus@green-simmons.com
JACOB NOBLES	MWR CONSTRUCTION		(251) 610-8402	jacob@mwrogers.net
Orie King	JNB Services	58303	251-978-4007	Orie.King@JNBcontracting.com
CHRIS CLARK	Roy Lewis Construction		251 402 3304	chris@roylewisconstruction.com
Zach Fischer	C Roberds		251-615-6649	Zach@CRobardsgc.com
Debbie Bryars	USA		251 533 8881	bryarsd@southalabama.edu
Chris Dunning	Youngblood-Barrett Const & Eng	22436	2512950745	chris.dunning@ybce.net
Jason Steele	Youngblood-Barrett Const+Eng		251+228+932	jason.steele@ybce.net
ALBERT PINION	Sellers Services, LLC		JR 14378400	ALBERTPINION2@yahoo.com
Jacob Sellers	Sellers Services LLC		2512220143	Jake@SellersServicesLLC.com
Will Majure	HCC		251-232-3847	Wmajure@harrison-const.com

DAUPHIN ISLAND SEA LAB
SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)

GMC

GMC PROJECT NO.: AMOB260001
MANDATORY PRE-BID MEETING SIGN-IN SHEET
AUGUST 18, 2026 AT 2:00 P.M.

NAME	COMPANY	GC #	PHONE	EMAIL
Kristin Bryson	GMC			Kristin.bryson@gmcnetwork.com
Thomas Clark	Rogers & Willard			tclark@rogerswillard.com
Casey Brutkiewicz	Gaillard Builders		251-423-4131	KCB@gaillardbuilders.com
Daniel Green	GMC		251-406-3325	daniel.green@gmcnetwork.com
Robert Tyus	PMR		251 610 8280	yogi@pmrgc.com
Raphael Pereira	Glaze comm		850-288-2018	RPereira@GCSGulfCoast.com
Brent Ladrier	AOTCS, Inc		251-709-1515	brent.ladrier@aotcs.org
ROQUAN WIGGINS	CRUCIBLE CONSTRUCTION		850-549-6822	roquan@crucibleconstruction.com
Brooke Rodrigues	GMC			brooke.rodrigues3@gmcnetwork.com

ADDENDUM NO. 01

SECTION 08 1100

INTERIOR STEEL DOORS AND FRAMES

PART - GENERAL

1.1 RELATED DOCUMENTS:

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

B. Related work specified elsewhere includes:

1. Section 042000 - "Unit Masonry"
2. Section 054000 - "Cold-Formed Metal Framing"
3. Section 061000 - "Rough Carpentry"
4. Section 079200 - "Joint Sealers"
5. Section 099000 - "Painting"

1.2 DESCRIPTION OF WORK:

A. Work described in this section includes steel doors and frames, and any indicated glazing, fire-rated where indicated.

1. All frames shall be equally and double rabbetted, unless otherwise indicated.
2. All frames shall be Continuously welded with joints ground smooth.
3. **Contractor shall provide and install conduit junction box brought to the center hinge of the fire rated door frames for every dwelling unit corridor door on second floors for future Owner provided and installed POE IN220 Access Control system hardware.**

1.3 QUALITY ASSURANCE:

A. Provide doors and frames complying with Steel Door Institute "Recommended Specifications: Standard Steel Doors and Frames" (SDI-100) and as herein specified.

B. Fire-Rated Door and Frame Assemblies:

1. Where fire-rated door assemblies are indicated or required, provide fire-rated door and frame assemblies that comply with NFPA 80 "Standard for Fire Doors and Windows," and have been tested, listed and labeled in accordance with ASTM E 152 "Standard Methods of Fire Tests of Door Assemblies" by a nationally recognized independent testing and inspection agency acceptable to authorities having jurisdiction.

2. Manufacturer **Metal** Labels mounted on doors and door frames must indicate the time rating of the door/frame assembly.

C. **Project Specific: All Dwelling Unit Corridor Door Frames shall be prepped for electrified hinges. Contractor shall provide and install conduit junction box brought to the center hinge of the fire rated door frames for every dwelling unit corridor door on second floors for future Owner provided and installed POE IN220 Access Control system.**

1.4 SUBMITTALS:

A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.

B. Product Data: Submit manufacturer's technical product data substantiating that products comply with requirements.

C. Shop Drawings:

1. Submit for fabrication and installation of steel doors and frames. Include details of each frame type, elevations of door design types, conditions at openings, details of construction, location and installation requirements of finish hardware and reinforcements, and details of joints and connections. Show anchorage and accessory items.
2. Provide schedule of doors and frames using same reference numbers for details and openings as those on contract drawings.
3. Coordinate glazing frames and stops with glass and glazing requirements.

1.5 DELIVERY, STORAGE AND HANDLING:

A. Comply with manufacturer's current written instructions and recommendations.

B. Deliver hollow metal work cartoned or crated to provide protection during transit and job storage. Provide additional sealed plastic wrapping for factory finished doors.

C. Inspect hollow metal work upon delivery for damage. Minor damages may be repaired

provided finish items are equivalent in all respects to new work and acceptable to Architect; otherwise, remove and replace damaged items as directed.

D. Store doors and frames at building site under cover. Place units on minimum 4-inch-high wood blocking. Avoid use of non-vented plastic or canvas shelters which could create humidity chamber. If cardboard wrapper on door becomes wet, remove carton immediately. Provide 1/4-inch spaces between stacked doors to promote air circulation.

E. Refer to Division 1 Sections "Summary of Work" and "Special Conditions" for additional information and requirements regarding stored materials.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS:

A. Manufacturer: Subject to compliance with requirements, provide steel doors and frames by one of the following, fire-rated where indicated:

1. Steel Doors and Frames, (General):

a. Ceco Corp.
b. Curries Manufacturing, Inc.
c. Pioneer Bldrs. Products Corp./Div. CORE Industries, Inc.
d. Republic Builders Products Corp./Subs. Republic Steel.
e. SteelCraft/Div. American Standard Co.

2.2 MATERIALS:

A. Hot-Rolled Steel Sheets and Strip: Commercial quality carbon steel, pickled and oiled, complying with ASTM A 569 and ASTM A 568.

B. Cold-Rolled Steel Sheets: Commercial quality carbon steel, complying with ASTM A 366 and ASTM SA 568.

C. Galvanized or Galvannealed Steel Sheets; Smooth and Paintable Finish: Zinc-coated carbon steel sheets of commercial quality, complying with ASTM A 526, with ASTM A 525, G60 zinc coating, mill phosphatized; or ASTM A60 Galvannealed.

D. Supports and Anchors: Fabricate of not less than 18-gauge galvanized sheet steel.

E. Inserts, Bolts and Fasteners: Manufacturer's standard units, except hot-dip galvanize items

to be built into exterior walls, complying with ASTM A 153, Class C or D as applicable.

F. Galvanizing Repair Paint: High zinc dust content paint for repair of galvanized surfaces damaged by fabrication or welding, complying with M.I. Specification MIL-P-21035.

G. Shop Applied Primer: Rust-inhibitive enamel or paint, either air drying or baking, suitable as a base for specified finish paints.

2.3 FABRICATION:

A. Fabricate steel door and frame units to be rigid, neat in appearance and free from defects, warp or buckle. Wherever practicable, fit and assemble units in manufacturer's plant. Clearly identify work that cannot be permanently factory assembled before shipment, to assure proper assembly at project site.

B. Fabricate exposed faces of doors and panels, including stiles and rails of non-flush units, from only cold-rolled steel.

C. Fabricate frames, concealed stiffeners, reinforcement, edge channels and moldings from either cold-rolled or hot-rolled steel (at fabricator's option).

D. Not used.

E. Exposed Fasteners: Unless otherwise indicated, provide countersunk flat Phillips heads for exposed screws and bolts.

F. Not Used

G. Finish Hardware Preparation:

1. Prepare doors and frames to receive mortise and concealed finish hardware in accordance with final Finish Hardware Schedule and templates provided by hardware supplier. Comply with applicable requirements of ANSI A 115 series specifications for door and frame preparation for hardware.
2. Reinforce doors and frames to receive surface applied hardware. Drilling and tapping for surface-applied finish hardware may be done at project site.
3. Locate finish hardware as indicated on final shop drawings, or if not indicated, in accordance with "Recommended Locations for Builders' Hardware," published by Door and Hardware Institute.

H. Shop Painting:

1. Clean, treat and paint exposed surfaces of steel door and frame units, including galvanized surfaces.
2. Clean steel surfaces of mill scale, rust, oil, grease, dirt and other foreign materials before application of paint.
3. Use galvanizing repair paint for surfaces damaged by fabrication or welding, prior to prime coat.
4. Apply shop coat of prime paint of even consistency to provide a uniformly finished surface ready to receive finish paint.
5. Do not paint fire labels on doors or frames.

2.4 STANDARD STEEL DOORS:

A. Provide metal doors of types and styles as indicated on drawings or schedules, of seamless, hollow steel construction with 16-gauge face sheets. Form exterior doors of hot dip galvanized steel.

2.5 STANDARD STEEL FRAMES:

A. Provide metal frames for doors, transoms, sidelights, borrowed lights, and other openings, of types and styles as shown on drawings and schedules. Conceal fastenings unless otherwise indicated. Fabricated frames of minimum 16-gauge cold-rolled furniture steel.

1. Frames for doors 7'-10" or more in height and/or over 3'-5" in width: 14 gauge cold-rolled furniture steel, and one additional hinge, whether indicated in hardware schedule.

B. Frames shall be formed by press brake with corners sharp and true. Corners shall be mitered and accurately fitted, and shall be continuously electrically welded and then ground smooth. Removable spreaders shall be welded to the bottom of the frame. Frames shall be accurately mortised for hardware.

C. A minimum of three wall anchors shall be provided at each jamb, except four at doors 7'- 10" high or more, and six at doors 10-foot high or more. Anchors shall be attached to door frames, adjustable, suitable for wall conditions and job requirements, and shall be 16 gauge minimum. Floor anchors shall be provided and welded to foot of each jamb with two 5/16" holes for securing to the floor.

D. Reinforcements of adequate gauge shall be provided for strikes, closers and brackets and other surface applied hardware for field drilling and tapping.

E. Form exterior frames of hot dip galvanized steel.

F. Door Silencers: Except on weatherstripped frames, drill stops to receive 3 silencers on strike jambs of single-swing frames and 2 silencers on heads of double-swing frames. Provide silencers equivalent to "GJ64" silencers as manufactured by Glenn-Johnson Corp., for metal frames, when not provided under the work of Section 08710 - "Finish Hardware."

1. Provide additional door silencers at doors over 3'-0" wide or 7'-0" in height.

G. Plaster Guards: Provide 26-gauge steel plaster guards or mortar boxes, welded to frame, at back of finish hardware cutouts where mortar or other materials might obstruct hardware operation.

PART 3 - EXECUTION

3.1 INSTALLATION:

A. General: Install standard steel doors, frames and accessories in accordance with final shop drawings and manufacturer's data, and as herein specified.

B. Placing Frames:

1. Comply with provisions of SDI-1-06 "Recommended Erection Instructions for Steel Frames," unless otherwise indicated.
2. Except for frames located at in-place concrete or masonry, place frames prior to construction of enclosing walls and ceilings. Set frames accurately in position, plumbed, aligned, and braced securely until permanent anchors are set. After wall construction is completed, remove temporary braces and spreaders leaving surfaces smooth and undamaged.
3. In masonry construction, locate a minimum of 3 wall anchors per jamb at hinge and strike levels. Add 1 wall anchor per jamb at hinge and strike levels for each whole 1'-10" height increment over 6'-0"; Similar at glazed and cased openings. Fill solid with grout as adjacent construction progresses.
4. At in-place concrete or masonry construction, set frames and secure to adjacent construction with machine screws and masonry anchorage devices.
5. In metal stud partitions, install at least 3 wall anchors per jamb at hinge and strike levels. Attach wall anchors to studs with tapping screws. Add additional anchors as indicated in Paragraph 3.1-B3 above.
6. Install fire-rated frames in accordance with NFPA Std. No. 80.

C. Door Installation:

1. Fit hollow metal doors accurately in frames, within clearances specified in SDI-100.
2. Place fire-rated doors with clearances as specified in NFPA Std. No. 80.
3. Install silencers after all painting of doors and frames has been completed.

3.2 ADJUST AND CLEAN:

A. Prime Coat Touch-up:

1. Immediately after erection, sand smooth any rusted or damaged areas of prime coat and apply touch-up of compatible air-drying primer.
2. Use galvanizing repair paint for galvanized surfaces, prior to prime coat.

B. Final Adjustments: Check and readjust operating finish hardware items, leaving steel doors and frames undamaged and in complete and proper operating condition.

END OF STEEL DOORS AND FRAMES

ADDENDUM NO. 01



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SECTION 08 7100

DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes the following:

1. Commercial door hardware for the following:

a. Swinging doors.
b. Fire Rated Swinging Doors

B. Related Sections include the following:

1. Division 08 Section "Hollow Metal Doors and Frames".
2. Division 08 Section "Flush Wood Doors" for integral intumescent seals provided as part of fire-rated labeled assemblies.

C. Products furnished, but not installed, under this Section include the following. Coordinating, purchasing, delivering, and scheduling remain requirements of this Section.

1. Permanent cores to be installed by Owner.

1.3 SUBMITTALS

A. Product Data: Include construction and installation details, material descriptions, dimensions of individual components and profiles, and finishes.

B. Samples for Initial Selection: For each finish, color, and texture required for each type of door hardware indicated.

C. If requested by Architect, submit samples for Verification: For exposed door hardware of each type, in specified finish, full size. Tag with full description for coordination with the door hardware sets. Submit Samples before, or concurrent with, submission of the final door hardware sets.

1. Samples will be returned to Contractor. Units that are acceptable and remain undamaged through submittal, review, and field comparison process may, after final check of operation, be incorporated into the Work, within limitations of keying requirements.

D. Qualification Data: For Architectural Hardware Consultant.

E. Product Test Reports: Based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified testing agency, for locks, latches, and closers.

F. Maintenance Data: For each type of door hardware to include in maintenance manuals. Include final hardware and keying schedule.

G. Warranty: Special warranty specified in this Section.

H. Other Action Submittals:

1. Door Hardware Sets: Prepared by or under the supervision of Architectural Hardware Consultant, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final door hardware sets with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

    a. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule." Double space entries, and number and date each page.
    b. Format: Use same scheduling sequence and format and use same door numbers as in the Contract Documents.
    c. Content: Include the following information:

        1) Identification number, location (room name and number), hand, fire rating, and material of each door and frame.
        2) Type, style, function, size, quantity, and finish of each door hardware item. Include description and function of each lockset and exit device.
        3) Complete designations of every item required for each door or opening including name and manufacturer.
        4) Fastenings and other pertinent information.
        5) Location of each door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
        6) Explanation of abbreviations, symbols, and codes contained in schedule.
        7) Mounting locations for door hardware.
        8) Door and frame sizes and materials.
        9) List of related door devices specified in other Sections for each door and frame.
        10) Manufacturer cut sheets for each item.

J. 1. Submittal Sequence: Submit the final door hardware sets at earliest possible date, particularly where approval of the door hardware sets must precede fabrication of other work that is critical in Project construction schedule. Include Product Data, Samples, Shop

Drawings of other work affected by door hardware, and other information essential to the coordinated review of the door hardware sets.

2. Keying Schedule: Prepared by or under the supervision of Architectural Hardware Consultant, detailing Owner's final keying instructions for locks. Include schematic keying diagram and index each key set to unique door designations.

1.4 QUALITY ASSURANCE

A. Installer Qualifications: An employer of workers trained and approved by lock manufacturer.

1. Installer's responsibilities include supplying and installing door hardware and providing a qualified Architectural Hardware Consultant available during the course of the Work to consult with Contractor, Architect, and Owner about door hardware and keying.
2. Installer shall have warehousing facilities in Project's vicinity.
3. Scheduling Responsibility: Preparation of door hardware and keying schedules.

B. Architectural Hardware Consultant Qualifications: A person who is currently certified by DHI as an Architectural Hardware Consultant and who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project.

C. Source Limitations: Obtain each type and variety of door hardware from a single manufacturer, unless otherwise indicated. Delete subparagraph below if not required.

D. Fire-Rated Door Assemblies: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to NFPA 252 and UL10C.

1. Test Pressure: After 5 minutes into the test, neutral pressure level in furnace shall be established at 40 inches (1016 mm) or less above the sill.

F. Keying Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination." In addition to Owner, Construction Manager, Contractor, and Architect, conference participants shall also include Installer's Architectural Hardware Consultant and Owner's security consultant. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including, but not limited to, the following:

1. Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
2. Preliminary key system schematic diagram.
3. Requirements for key control system.
4. Address for delivery of keys.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up for door hardware delivered to Project site.

B. Tag each item or package separately with identification related to the final door hardware sets, and include basic installation instructions, templates, and necessary fasteners with each item or package.

C. Deliver keys and permanent cores to Owner by registered mail or overnight package service.

1. Verify Owner Representative's name and address for delivery of keys and permanent cores.

1.6 COORDINATION

A. Templates: Distribute door hardware templates for doors, frames, and other work specified to be factory prepared for installing door hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

B. Existing Openings: Where new hardware components are scheduled for application to existing construction or where modifications to existing door hardware are required, field verify existing conditions and coordinate installation of door hardware to suit opening conditions and to provide for proper operation.

1.7 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. Failures include, but are not limited to, the following:

a. Structural failures including excessive deflection, cracking, or breakage.
b. Faulty operation of operators and door hardware.
c. Deterioration of metals, metal finishes, and other materials beyond normal weathering and use.

A. 2. Warranty Period: Three years from date of Substantial Completion, except as follows:

a. Electromagnetic Delayed-Egress Locks: Five years from date of Substantial Completion.
b. Exit Devices: Two years from date of Substantial Completion.
c. Manual Closers: 10 years from date of Substantial Completion.

1.8 MAINTENANCE SERVICE

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

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

A. General: Provide door hardware for each door to comply with requirements in this Section and door hardware sets indicated in Part 3 "Door Hardware Sets" Article.

1. Door Hardware Sets: Provide quantity, item, size, finish or color indicated, and named manufacturers' products.
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 Sets" 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 listed in parentheses are product numbers referenced in the door hardware schedule.

C. In other Part 2 articles where titles below introduce lists, the following requirements apply to product selection:

1. Manufacturers: Subject to compliance with requirements, provide products by the manufacturers specified.

2.2 HINGES, GENERAL

A. Quantity: As scheduled.

B. Template Requirements: Provide only template-produced units.

C. Hinge Weight: As scheduled.

D. Hinge Base Metal: Unless otherwise indicated, provide the following:

1. Interior Hinges: Steel, with steel pin.

2. Hinges for Fire-Rated Assemblies: Steel, with steel pin.

E. Hinge Options: Where indicated in door hardware sets or on Drawings:

1. 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 corridor doors with locks.
2. Corners: Square.

F. Fasteners: Comply with the following:

1. Machine Screws: For metal doors and frames. Install into drilled and tapped holes.
2. Wood Screws: For wood doors and frames.
3. Threaded-to-the-Head Wood Screws: For fire-rated wood doors.
4. Screws: Phillips flat-head; machine screws (drilled and tapped holes) for metal doors and wood screws for wood doors and frames. Finish screw heads to match surface of hinges.

2.3 HINGES

A. Butts and Hinges: BHMA A156.1. Listed under Category A in BHMA's "Certified Product Directory."

B. Template Hinge Dimensions: BHMA A156.7.

C. Manufacturers:

1. Ives Companies
2. Hager Companies.
3. *McKinney Products Company; an ASSA ABLOY Group company.

2.4 CONTINUOUS HINGES

A. Standard: BHMA A156.26, Grade 1-150.

1. Listed under Category N. in BHMA's "Certified Product Directory."

B. General: Minimum 0.120 inch (3.0 mm) thick, hinge leaves with minimum overall width of 4 inches (102 mm); fabricated to full height of door and frame and to template screw locations; with components finished after milling and drilling are complete.

1. Base Metal for Exterior Hinges: Stainless steel.
2. Base Metal for Interior Hinges: Stainless steel.
3. Base Metal for Hinges for Fire-Rated Assemblies: Stainless steel.
4. Manufacturers:

a. Hager Companies
b. Stanley Works, Stanley Security

c. *Markar Products Company; an ASSA ABLOY Group Company.

C. Continuous, Pin Type Hinges: Stainless Steel, pined, leaves; with concealed, self-lubricating thrust bearings.

2.5 LOCKS AND LATCHES, GENERAL

A. Accessibility Requirements: Where indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)." 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 N).

B. Latches and Locks for Means of Egress Doors: Comply with NFPA 101. Latches shall not require more than 15 lbf (67 N) to release the latch. Locks shall not require use of a key, tool, or special knowledge for operation.

C. Lock Trim:

1. Levers: Cast.

a. As scheduled or approved equal

2. Escutcheons (Roses): Wrought.

3. Lockset Designs: As scheduled or, if sets are provided by another manufacturer, provide designs that match those designated.

D. Lock Throw: Comply with testing requirements for length of bolts required for labeled fire doors, and as follows:

1. Mortise Locks: Minimum 1/2-inch (13-mm) latchbolt throw.

E. Backset: 2-3/4 inches (70 mm), unless otherwise indicated.

F. Strikes: Manufacturer's standard strike with strike box for each latchbolt or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, and as follows
1. Strikes for Mortise Locks and Latches: BHMA A156.13.
2. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.

G. Lock Functions: Function numbers and descriptions indicated in door hardware sets comply with the following:

1. Mortise Locks: BHMA A156.13

H. Mortise Locks: BHMA A156.13, Grade 1;

1. Manufacturers:

a. Best Access Systems; Div. of the Stanley Works.
b. *SARGENT Manufacturing Company; an ASSA ABLOY Group company.
c. Schlage Commercial Lock Division; an Ingersoll-Rand Company

2.6 LOCK CYLINDERS

A. Standard Lock Cylinders: BHMA A156.5, Grade 1.

B. Cylinders: Manufacturer's standard tumbler type, constructed from brass or bronze, stainless steel, or nickel silver, and complying with the following:

1. Number of Pins: Six Pin.
2. Mortise-Lock Type: Cylinders with cams to suit locks.

C. Permanent Cores: Manufacturer's standard; finish face to match lockset; complying with the following:

1. Interchangeable Cores: Core insert, removable by use of a special key; usable with other manufacturers' cylinders.

D. Construction Keying: Comply with the following:

1. Construction Cores: Provide construction cores that are replaceable by permanent cores. Provide 10 construction master keys.

E. Manufacturer: Same manufacturer as for locks and latches.

F. Manufacturers:

1. (Sargent Manufacturing Company, An ASSA ABLOY Group Company).

2.7 KEYING

A. Keying System: Factory registered, complying with guidelines in BHMA A156.28, Appendix A. Incorporate decisions made in keying conference, and as follows:

1. Existing System: Master key or grand master key locks to Owner's existing Sargent key system.

B. Keys: Nickel silver.

1. Stamping: Permanently inscribe each key with a visual key control number and include the following notation:

   a. Notation: "DO NOT DUPLICATE."

2. Quantity: In addition to one extra key blank for each lock, provide the following:

   a. Cylinder Change Keys: Three.
   b. Master Keys: Five.

2.8 OPERATING TRIM

A. Standard: BHMA A156.6.

B. Materials: Fabricate from bronze, unless otherwise indicated.

C. Manufacturers:

1. Burns Manufacturing Incorporated.
2. Hager Companies.
3. *Rockwood Manufacturing Company.

2.9 EXIT DEVICES

A. Exit Devices: BHMA A156.3, Grade 1. Listed under Category G in BHMA's "Certified Product Directory."

B. Accessibility Requirements: Where handles, pulls, latches, locks, and other operating devices are indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)." 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 N).

C. Exit Devices for Means of Egress Doors: Comply with NFPA 101. Exit devices shall not require more than 15 lbf (67 N) to release the latch. Locks shall not require use of a key, tool, or special knowledge for operation.

D. Panic Exit Devices: Listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for panic protection, based on testing according to UL 305.

E. Fire Exit Devices: Devices complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire and panic protection, based on testing according to UL 305 and NFPA 252.

F. Outside Trim: Lever and Lever with cylinder; material and finish to match locksets, unless otherwise indicated.

1. Match design for locksets and latchsets, unless otherwise indicated.

G. Through Bolts: For exit devices and trim on metal doors, non-fire-rated wood doors and fire-rated wood doors.

H. Manufacturers:

1. Precision Hardware, Inc. (PH).
2. *SARGENT Manufacturing Company; an ASSA ABLOY Group company.
3. Von Duprin; an Ingersoll-Rand Company.

2.10 CLOSERS

A. Accessibility Requirements: Where handles, pulls, latches, locks, and other operating devices are indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)." ANSI A117.1.

1. Comply with the following maximum opening-force requirements:

B. 1. a. Interior, Non-Fire-Rated Hinged Doors: 5 lbf (22.2 N) applied perpendicular to door.
b. Fire Doors: Minimum opening force allowable by authorities having jurisdiction.

C. Door Closers for Means of Egress Doors: Comply with NFPA 101. Door closers shall not require more than 30 lbf (133 N) to set door in motion and not more than 15 lbf (67 N) to open door to minimum required width.

D. Power-Assist Closers: As specified in Division 08 Section “Automatic Door Operators” for access doors for people with disabilities or where listed in the door hardware sets.

E. Size of Units: Unless otherwise indicated, comply with manufacturer's written recommendations for size of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Provide factory-sized closers, adjustable to meet field conditions and requirements for opening force.

F. Surface Closers: BHMA A156.4, Grade 1. Provide type of arm required for closer to be located on non-public side of door, unless otherwise indicated.

1. Manufacturers:

a. LCN Closers; an Ingersoll-Rand Company.
b. *SARGENT Manufacturing Company; an ASSA ABLOY Group company.

c. Norton Company; an ASSA ABLOY Group Company.

2.11 PROTECTIVE TRIM UNITS

A. Size: 2 inches less than door width on push side by height specified in door hardware sets.

B. Fasteners: Manufacturer's standard machine or self-tapping screws.

C. Plastic Protective Trim Units: BHMA A156.6; beveled 4 sides; fabricated from the following material:

1. Stainless Steel: 1/8 inch (3.2 mm) thick.
2. Color and Texture: Satin
3. Manufacturers:

a. Burns Manufacturing Incorporated.
b. Hager Companies.
c. *Rockwood Manufacturing Company

2.12 STOPS AND HOLDERS

A. Stops and Bumpers: BHMA A156.16, Grade 1.

1. Provide floor stops for doors unless wall or other type stops are scheduled or indicated. Do not mount floor stops where they will impede traffic. Where floor or wall stops are not appropriate, provide overhead holders.

B. Combination Overhead Stops and Holders: BHMA A156.8, Grade 1.

C. Electromagnetic Door Holders: BHMA A156.15. Listed under Category C in BHMA's "Certified Product Directory."

1. Coordinate with fire detectors and interface with fire alarm system for labeled fire door assemblies.

D. Silencers for Metal Door Frames: BHMA A156.16, Grade 1; neoprene or rubber, minimum diameter 1/2 inch (13 mm); fabricated for drilled-in application to frame.

1. At non-gasketed interior hollow metal door frames only, furnish 3 rubber door silencers for each single door frame and 2 for each double door frame, similar to Ives No. SR64.

E. Manufacturers:
1. Burns Manufacturing Incorporated (BM)
2. Hager Companies.
3. IVES Hardware; an Ingersoll-Rand Company.-Wall stops and silencers.
4. *Rockwood Manufacturing Company.

2.13 DOOR GASKETING

A. Standard: BHMA A156.22. Listed under Category J in BHMA's "Certified Product Directory."

B. General: Provide continuous gasketing on interior doors where indicated or scheduled.

1. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.
2. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.

C. Air Leakage: Not to exceed 0.50 cfm per foot (0.000774 cu. m/s per m) of crack length for gasketing other than for smoke control, as tested according to ASTM E 283.

D. Smoke-Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke-control ratings indicated, based on testing according to UL 1784.

1. Provide smoke-labeled gasketing on 20-minute-rated doors and on smoke-labeled doors.

E. Fire-Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to NFPA 252 or UL10C.

F. 1. Test Pressure: After 5 minutes into the test, neutral pressure level in furnace shall be established at 40 inches (1016 mm) or less above the sill.

G. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.

H. Gasketing Materials: ASTM D 2000 and AAMA 701/702.

I. Manufacturers:

1. National Guard Products.
2. *Pemko Manufacturing Co.
3. Reese Enterprises.

2.14 FABRICATION

A. Manufacturer's Nameplate: Do not provide products that have manufacturer's name or trade name displayed in a visible location except in conjunction with required fire-rated labels and as otherwise approved by Architect.

1. Manufacturer's identification is permitted on rim of lock cylinders only.

B. Base Metals: Produce door hardware units of base metal, fabricated by forming method indicated, using manufacturer's standard metal alloy, composition, temper, and hardness. Furnish metals of a

quality equal to or greater than that of specified door hardware units and BHMA A156.18. Do not furnish manufacturer's standard materials or forming methods if different from specified standard.

C. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to commercially recognized industry standards for application intended, except aluminum fasteners are not permitted. Provide Phillips flat-head screws with finished heads to match surface of door hardware, unless otherwise indicated.

1. Concealed Fasteners: For door hardware units that are exposed when door is closed, except for units already specified with concealed fasteners. Do not use through bolts for installation where bolt head or nut on opposite face is exposed unless it is the only means of securely attaching the door hardware. Where through bolts are used on hollow door and frame construction, provide sleeves for each through bolt.

2. Steel Machine or Wood Screws: For the following fire-rated applications:

   a. Mortise hinges to doors.
   b. Strike plates to frames.
   c. Closers to doors and frames.

3. Steel Through Bolts: For the following fire-rated applications unless door blocking is provided:

   a. Closers to doors and frames.
   b. Surface-mounted exit devices.

4. Spacers or Sex Bolts: For through bolting of hollow-metal doors.

5. Fasteners for Wood Doors: Comply with requirements in DHI WDHS.2, "Recommended Fasteners for Wood Doors."

2.15 FINISHES

A. Standard: BHMA A156.18, as indicated in door hardware sets.

B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

C. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.

B. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Steel Doors and Frames: Comply with DHI A115 Series.

1. Surface-Applied Door Hardware: Drill and tap doors and frames according to ANSI A250.6.

B. Wood Doors: Comply with DHI A115-W Series.

3.3 INSTALLATION

A. Mounting Heights: Mount door hardware units at heights indicated as follows unless otherwise indicated or required to comply with governing regulations.

1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
2. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."

B. 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 specified in Division 09 Sections. 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.

3.4 FIELD QUALITY CONTROL

A. Independent Architectural Hardware Consultant: Owner will engage a qualified independent Architectural Hardware Consultant to perform inspections and to prepare inspection reports.

1. Independent Architectural Hardware Consultant will inspect door hardware and state in each report whether installed work complies with or deviates from requirements, including whether door hardware is properly installed and adjusted.

2. Fire Rated Assemblies- Upon completion of the installation, all fire door assemblies shall be inspected to confirm proper operation of the closing device and that only the manufacturer's furnished fasteners are used for installation and that it meets all criteria of a fire door assembly per NFPA 80 2007 Edition. A written record shall be maintained and given to the owner to be made available to AHJ. The inspection of the swing fire doors, with builders hardware devices, shall be performed by individuals with knowledge and understanding of the operating components of the type of door being tested. These persons shall include FDAIs (Certified Door Assembly Inspector), an AHC or a person deemed to have similar knowledge.

3.5 ADJUSTING

A. Initial 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.

1. Door Closers: Unless otherwise required by authorities having jurisdiction, adjust sweep period 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.

B. Occupancy Adjustment: Approximately three months after date of Substantial Completion, Installer's Architectural Hardware Consultant shall examine and readjust, including adjusting operating forces, each item of door hardware as necessary to ensure function of doors, door hardware, and electrified door hardware.

3.6 CLEANING AND PROTECTION

A. Clean adjacent surfaces soiled by door hardware installation.

B. Clean operating items as necessary to restore proper function and finish.

C. Provide final protection and maintain conditions that ensure that door hardware is without damage or deterioration at time of Substantial Completion.

3.7 DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain door hardware and door hardware finishes. Refer to Division 01 Section "Demonstration and Training."

3.8 DOOR HARDWARE SETS

Hardware Set #1 – 232A, 233A, 234A, 235A, 236A, 237A, 238A, 239A, 240A,241A, 242A, 243A, 244A, 245A, 246A, 247A, 248A, and 249A.

PROVIDE 60 MINUTE FIRE RATED DOOR SYSTEM(S) AND HARDWARE SYSTEM(S).

(1) PoE Electrified Hinge	**4 1/2" x 4" , 4 1/2" x 4 1/2" TA2714**	**26D**
(2) Hinges	TA 2714 4 ½ x 4 ½	US26D MK
(1) Mortise Lock	Owner Provided and installed.	
(1) Core	Owner Provided and installed.	
(1) Door Closer	281 UO	EN SA
(1) Kick Plate	K1050 8" X 2" LDW CSK	US32D RO
(1) Wall Stop	406	US32D PE
(1) Set Smoke-seal	PK 33 BL 17' D 17'	GREY PE

(1) Drawing Wiring Diagram
(1) PoE Switch by others

1. Doors require ethernet connection.

2. Power over Ethernet (PoE) access control door. Door frame shall be provided with Ethernet junction box to provide Power over Ethernet in frame. Contractor shall provide and install CAT6E to the center hinges of the corridor entrance doors of each dwelling unit.

3. For future Power over Ethernet (PoE) access control, Owner will provide and install IN220 power over ethernet (PoE) intelligent IP-enabled mortise lock and core system. Owner provided and installed door hardware template reference information: Sargent part: # 70-IN220-82278-BIPS-B-LN-L-26D-HANDING.

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Hardware Set #2 – 232D, 233D, 234D, 235D, 236D, 237D, 238D, 239D, 240D, 241D, 242D, 243F, 243G, 244D, 245D, 246D, 247D, 248D, 249B.

(3)	Hinges	TA 2714 4 ½ x 4 ½	US26D MK
(1)	Mortise Privacy	LB 8265 LNL	US26D SA
(1)	Wall Stop	409	US32D RO
(3)	Silencers	608-RKW	GREY RO

Hardware Set #3 – 232B, 232C, 233B, 233C, 234B, 234C, 235B, 235C, 236B, 236C, 237B, 237C, 238B, 238C, 239B, 239C, 240B, 240C, 241B, 241C, 242B, 242C, 243B, 243C, 243D, 244B, 244C, 245B, 245C, 246B, 246C, 247B, 247C, 248B, 248C.

(3)	Hinges	TA 2714 4 ½ x 4 ½	US26D MK
(1)	Mortise Privacy	LB 8265 LNL	US26D SA
(1)	Wall Stop	409	US32D RO
(1)	Silencers	608-RKW	GREY RO

Hardware Set #4 – 233E, 234E, 235E, 236E, 237E, 238E, 239E, 240E, 241E, 242E, 245E, 246E, 247E, 248E, 249C.

(1)	Track & Hardware Pack	HF2/100A/3	PE
(1)	Ball Knob	841	US26D RO

Hardware Set #5 – 232E, 243E, 244E (ADA Door Hardware Required)

(1)	Track & Hardware Pack	HF2/100A/3	PE
(2)	**ADA Sliding Barn Door ADA Handle Set Part #**G2625ADA	841	US26D RO

1. **Provide ADA Compliant Door Handle System.**
2. **Closet pull handle shall provide 1.5" minimum clearance.**
3. **ADA Sliding and Barn Door Push/Pull Set. Pull handle is 3/4" round stock with 6" center to centers and 2-1/2 inch clearance. The flush pull is 4" x 7" x 1-1/8 inch ADA.**

Hardware Set #6 – 204A, 205A, 206A, 207A, 208A, 209A, 211A, 212A, 213A, 214A, 215A, 216A.

PROVIDE 60 MINUTE FIRE RATED DOOR SYSTEM(S) AND HARDWARE SYSTEM(S).

(3)	Hinges	TA 2714 4 ½ x 4 ½	US26D MK
(1)	Storeroom Lock	64-8204 LNL 1164	US26D SA

(1)	Core	6300	US26D SA
(1)	Door Closer	281 UO	EN SA
(1)	Wall Stop	406	US32D RO
(1)	Set Smoke Seal	PK 33 BL 17' D 17'	GREY PE

Hardware Set #7 – 209A

PROVIDE 60 MINUTE FIRE RATED DOOR SYSTEM(S) AND HARDWARE SYSTEM(S).

(3)	Hinges	TA2714 4-1/2" x 1/2"	US26D MK
(1)	Office Lock	64-8205 LNL 1164	US26D SA
(1)	Core	6300	US26D SA
(1)	Door Closer	281 UO	EN SA
(1)	Wall Stop	406	US32D RO
(1)	Set Smoke-seal	PK 33 BL 17' D 17'	GREY PE

Hardware Set #8 – 232P, 233P, 234P, 235P, 236P, 237P, 238P, 239P, 240P, 241P, 242P, 243P, 244P, 245P, 246P, 247P, 248P, 249P.

All Hardware by Access Door vendor.

END OF SECTION

ADDENDUM NO. 01



SECTION 09 6519

RESILIENT TILE FLOORING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:
1. Resilient Luxury Vinyl Tile Flooring

1.3 SUBMITTALS

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

B. LEED Submittals:

1. Product Data for Credit EQ 4.1: For adhesives, include printed statement of VOC content and chemical components.

C. Samples for Initial Selection: For each type of product indicated.

D. Samples for Verification: For each type of product indicated, in manufacturer's standard-size samples of each resilient product color, texture, and pattern required.

E. Product Schedule: For resilient products. Use same designations indicated on Drawings.

1.4 QUALITY ASSURANCE

A. Installation Qualification: Contractors for floor covering installation should be experienced in managing commercial flooring projects and provide professional installers, qualified to install the various flooring materials specified. An installer is “qualified” if trained, or a certified by Tarkett or a certified INSTALL (International Standards & Training Alliance) resilient floor covering installer.

B. Mockups: Provide resilient products with mockups specified in other Sections.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Store resilient products and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by Tarkett, but not less than 55 deg F (13 deg C) or more than 85 deg F (29 deg C).

1.6 PROJECT CONDITIONS

A. Install resilient products after other finishing operations, including painting, have been completed.

B. Maintain ambient temperatures within range recommended by Tarkett, but not less than 65 deg F (18 deg C) or more than 85 deg F (29 deg C) in spaces to receive resilient products during the following time periods:
   1. 48 hours before installation.
   2. During installation.
   3. 48 hours after installation.

C. Maintain the ambient relative humidity between 40% and 60% during installation.

D. Until Substantial Completion, maintain ambient temperatures within range recommended by Tarkett, but not less than 55 deg F (13 deg C) or more than 85 deg F (29 deg C).

PART 2 - PRODUCTS

2.1 RESILIENT SHEET FLOORING BASIS OF DESIGN:

Manufacturer:
Tarkett North America Phone: (800) 899-8916
30000 Aurora Rd.
Solon, OH 44139
Web: www.tarkettna.com

A. Approved Manufacturers:
   1. Shaw
   2. Interface
   3. Tarkett (Basis of Design)

2.2 PERFORMANCE REQUIREMENTS

A. Fire-Test-Response Characteristics: For resilient tile flooring, as determined by testing identical products according to ASTM E 648 or NFPA 253 by a qualified testing agency.

   1. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.

B. Flooring products shall comply with the requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."

2.3 EVENT+ LUXURY VINYL TILE/PLANK **LVT-1**

A. Basis-of-Design Product: Subject to compliance with requirements, provide Tarkett; **Event+ Series** or comparable product.

B. Tile Standard: ASTM F 1700, **Class III, Type B, printed film vinyl tile , embossed surface**.

C. Wearing Surface: **Embossed**.

D. Edge Treatment: **Square**.

E. Overall Thickness/Wearlayer: **0.120 inch (3.05 mm)/30 mil (0.76 mm).**

F. Colors and Patterns: **PECF Crafted Plank in color Gilded Oak 11210**.

G. Sizes:

1. For **LVT-1,** specify: **6 by 48 inches**

H. Test data:
1. Techtonic™ scratch, scuff, and abrasion resistance surface
2. Wear layer: 30mil (0.76 mm)
3. Size, Squareness, ASTM F2055: Passes
4. Flexibilty, ASTM F137: Passes
5. Chemical Resistance, ASTM F925: Passes
6. Static Load Limit, ASTM F970: Passes
7. Resistance to Heat, ASTM F1514: $\Delta E \leq 8$
8. Resistance to Light, ASTM F1515: $\Delta E \leq 8$
9. Residual Indentation, ASTM F1914: Passes
10. Static Coefficient of Friction (SCOF), ASTM D2047: ≥ 0.5 SCOF
11. Dimensional Stability, ASTM F2199: Passes
12. Flammability, ASTM E648 Critical Radiant Flux: Class 1 (≥ 0.45 W/cm^2)
13. Limited Commercial Warranty: 20 years

2.4 CONTOUR LUXURY VINYL TILE/PLANK **LVT-3**

A. Basis-of-Design Product: Subject to compliance with requirements, provide Tarkett; **Contour Series** or comparable product.

B. Tile Standard: ASTM F 1700, **Class III, Type B, printed film vinyl tile , embossed surface**.

C. Wearing Surface: **Embossed**.

D. Edge Treatment: **Square**.

E. Overall Thickness/Wearlayer: **0.120 inch (3.05 mm)/32mil (0.8 mm).**

F. Colors and Patterns: **Aquarelle PCQL in color Seaglass 11399**.

G. Sizes:

1. For **LVT-3,** specify: **12 by 36 inches (30.5 by 91.4 cm)**

H. Test data:
1. Techtonic™ scratch, scuff, and abrasion resistance surface
2. Wear layer: 0.032 inches (0.8 mm)
3. Size, Squareness, ASTM F2055: Passes
4. Flexibilty, ASTM F137: Passes
5. Chemical Resistance, ASTM F925: Passes
6. Static Load Limit, ASTM F970: Passes
7. Resistance to Heat, ASTM F1514: $\Delta E \leq 8$
8. Resistance to Light, ASTM F1515: $\Delta E \leq 8$
9. Residual Indentation, ASTM F1914: Passes
10. Static Coefficient of Friction (SCOF), ASTM D2047: ≥ 0.5 SCOF
11. Dimensional Stability, ASTM F2199: Passes
12. Flammability, ASTM E648 Critical Radiant Flux: Class 1 (≥ 0.45 W/cm^2)
13. Limited Commercial Warranty: 25 years

2.5 INSTALLATION MATERIALS

A. Trowelable Leveling and Patching Compounds: Latex-modified, Portland cement based or blended hydraulic-cement-based formulation.

B. Adhesives: As recommended by Tarkett to meet site conditions
1. Resilient Vinyl Floor Tile
   a. Tarkett RollSmart™
   b. Tarkett 959 Adhesive
   c. Tarkett 975 Two-Part Urethane Adhesive

2.6 INSTALLATION MATERIALS

A. Trowelable Leveling and Patching Compounds: Latex-modified, Portland cement based or blended hydraulic-cement-based formulation.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the work.

B. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of resilient products.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Prepare substrates according to Tarkett written instructions to ensure proper adhesion of Resilient Flooring.
   1. Prepare concrete substrates in accordance with ASTM F 710.
      a. Concrete floors must be free of dust, solvent, paint, wax, oil, grease, residual adhesive, adhesive removers, film-forming curing compounds, silicate penetrating curing compounds, sealing, hardening or parting compounds, alkaline salts, excessive carbonation or laitence, mold, mildew, and other foreign materials that may affect dissipation rate of moisture from the concrete, discoloration or adhesive bonding.
      b. Mechanically remove contamination on the substrate that may cause damage to the resilient flooring material. Permanent and non-permanent markers, pens, crayons, paint, etc., must not be used to write on the back of the flooring material or used to mark the substrate as they could bleed through and stain the flooring material.
      c. Perform moisture testing as recommended by manufacturer. Proceed with installation only after substrates have been tested and meet the minimum requirements from the manufacturer in accordance with ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride or ASTM F2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes.
      d. A pH test for alkalinity must be conducted on the concrete floor prior to installation with results conforming to manufacturer requirements. If the test results are not within the acceptable range, then installation must not proceed until the problem has been corrected.
   2. Wood subfloors must have a minimum 18" (45.7 cm) of cross-ventilated space beneath the bottom of the joist.
      a. The floor must be rigid, free of movement.
      b. Single wood and tongue and groove subfloors should be covered with ¼" (6.4 mm) or ½" (12.7 mm) APA approved underlayment plywood.
         1) Use ¼" (6.4 mm) thick underlayment panels for boards with a face width of 3" (76 mm) or less.
         2) Use ½" (12.7 mm) thick underlayment panels for boards with a face width wider than 3" (76 mm).
      c. Do not install over OSB (Oriented Strand Board), particle board, chipboard, lauan or composite type underlayments.

B. Fill cracks, holes, depressions and irregularities in the substrate with good quality Portland cement based underlayment leveling and patching compound and remove bumps and ridges to produce a uniform and smooth substrate.

C. Floor covering shall not be installed over expansion joints.

D. Do not install resilient products until they are same temperature as the space where they are to be installed.
   1. Move resilient products and installation materials into spaces where they will be installed at least 48 hours in advance of installation.

E. Sweep and vacuum clean substrates to be covered by resilient products immediately before installation.

3.3 RESILIENT TILE FLOORING INSTALLATION

A. Comply with manufacturer's written instructions for installing resilient tile flooring.

B. Luxury Vinyl Tile Flooring:
   1. Install with Tarkett adhesive specified for the site conditions and follow adhesive label for proper use.
   2. Follow Tarkett's recommendation for tile orientation.
   3. Open enough cartons of floor tiles to cover each area, and mix tile to ensure shade variations do not occur within any one area.
   4. Roll the flooring in both directions using a 100 pound three-section roller.

3.4 CLEANING AND PROTECTION

A. Comply with manufacturer's written instructions for cleaning and protection of resilient products.

B. Perform the following operations immediately after completing resilient product installation:
   1. Remove adhesive and other blemishes from exposed surfaces.
   2. Sweep and vacuum surfaces thoroughly.
   3. Damp-mop surfaces to remove marks and soil.

C. Protect resilient products from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
   1. No traffic for 24 hours after installation.
   2. No heavy traffic, rolling loads, or furniture placement for 48 hours after installation.

D. Wait 48 hours after installation before performing initial cleaning.

E. A regular maintenance program must be started after the initial cleaning.

END OF SECTION 09 6519



DOOR SCHEDULE

LOCATION		SIZE			DOOR			FRAME			HARDWARE					DETAILS				
												ELEC. COORD.								
DOOR NUMBER	ROOM NAME	WIDTH	HT	THK	DOOR TYPE	MAT'L	GLASS OR LOUVER TYPE	FRAME TYPE	MAT'L	GLASS TYPE	HARDWARE SET NO.	HOLD OPEN	FIRE ALARM INTERFACE	ACCESS CONTROL	LEVEL	HEAD	JAMB	SILL	FIRE RATING	NUMBERED NOTES
204A	UTILITY 4	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
205A	UTILITY 5	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
206A	UTILITY 6	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
207A	UTILITY 7	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
208A	UTILITY 8	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
209A	ELEV. EQUIPMENT WORK SPACE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		7.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
210A	UTILITY 10	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
211A	ELEC 3	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
212A	UTILITY 11	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
213A	TELCOMM ROOM	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	3, 4, 7, (1)
214A	UTILITY 9/ JANITOR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
215A	UTILITY 8	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
216A	ELEC 2	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
232A	GULF ADA SUITE 32	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0			YES	LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3, 8
232B	BEDROOM 2	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
232C	BEDROOM 1	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
232D	ADA R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		ADA
232E	W/D	5' - 0"	7' - 0"	13/4"	BF4	WD		F5	HM		5.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
233A	GULF SUITE 33	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0			YES	LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 2, 8
233B	BEDROOM 3	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
233C	BEDROOM 4	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
233D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
233E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
234A	GULF SUITE 34	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0			YES	LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 2, 8
234B	BEDROOM 6	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
234C	BEDROOM 5	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
234D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
234E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
235A	GULF SUITE 35	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0			YES	LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 2, 8
235B	BEDROOM 7	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
235C	BEDROOM 8	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
235D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
235E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
236A	GULF SUITE 36	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0			YES	LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 2, 8
236B	BEDROOM 10	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
236C	BEDROOM 9	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
236D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
236E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
237A	GULF SUITE 37	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0			YES	LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 2, 8
237B	BEDROOM 11	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
237C	BEDROOM 12	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
237D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
237E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
238A	GULF SUITE 38	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0			YES	LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 2, 8
238B	BEDROOM 14	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
238C	BEDROOM 13	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
238D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
238E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
239A	GULF SUITE 39	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0			YES	LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 2, 8
239B	BEDROOM 15	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
239C	BEDROOM 16	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
239D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	2/A6.01	6/A6.01		
239E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
240A	GULF SUITE 40	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0			YES	LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 2, 8
240B	BEDROOM 18	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
240C	BEDROOM 17	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
240D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
240E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
241A	GULF SUITE 41	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0			YES	LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 2, 8
241B	BEDROOM 19	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
241C	BEDROOM 20	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
241D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
241E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
242A	GULF SUITE 42	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0			YES	LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 2, 8
242B	BEDROOM 22	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
242C	BEDROOM 21	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
242D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
242E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
243A	GULF SUITE 43	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0			YES	LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 2, 8
243B	BEDROOM 23	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
243C	BEDROOM 24	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
243D	BEDROOM 25	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
243E	W/D	5' - 0"	7' - 0"	13/4"	BF4	WD		F5	HM		5.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
243F	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
243G	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
244A	ADA GULF SUITE 44	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0			YES	LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 2, 8
244B	BEDROOM 26	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
244C	BEDROOM 27	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
244D	ADA R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
244E	W/D	5' - 0"	7' - 0"	13/4"	BF4	WD		F5	HM		5.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
245A	GULF SUITE 45	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0			YES	LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 2, ADA, 8
245B	BEDROOM 28	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
245C	BEDROOM 29	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
245D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
245E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
246A	GULF SUITE 46	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0			YES	LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 2, 8
246B	BEDROOM 31	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
246C	BEDROOM 30	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
246D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
246E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
247A	GULF SUITE 47	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0			YES	LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 2, 8
247B	BEDROOM 32	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
247C	BEDROOM 33	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
247D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
247E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
248A	GULF SUITE 48	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0			YES	LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 2, 8
248B	BEDROOM 35	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
248C	BEDROOM 34	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
248D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
248E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
249A	GULF STUDIO 49	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0			YES	LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 2, 8
249B	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
249C	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		

ACCESS PANEL SCHEDULE

LOCATION		SIZE			DOOR	FRAME		HARDWARE				DETAILS		
									ELEC. COORD.					
DOOR NUMBER	NUMBERED NOTES	WIDTH	HT	THK	MAT'L	FRAME TYPE	MAT'L	HARDWARE SET NO.	HOLD OPEN	FIRE ALARM INTERFACE	ACCESS CONTROL	HEAD	JAMB	FIRE RATING
232P	ACCESS PANEL DOOR - GULF SUITE 32 ADA	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
233P	ACCESS PANEL DOOR - GULF SUITE 33	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
234P	ACCESS PANEL DOOR - GULF SUITE 34	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
235P	ACCESS PANEL DOOR - GULF SUITE 35	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
236P	ACCESS PANEL DOOR - GULF SUITE 36	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
237P	ACCESS PANEL DOOR - GULF SUITE 37	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
238P	ACCESS PANEL DOOR - GULF SUITE 38	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
239P	ACCESS PANEL DOOR - GULF SUITE 39	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
240P	ACCESS PANEL DOOR - GULF SUITE 40	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
241P	ACCESS PANEL DOOR - GULF SUITE 41	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
242P	ACCESS PANEL DOOR - GULF SUITE 42	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
243P	ACCESS PANEL DOOR - GULF SUITE 43	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
244P	ACCESS PANEL DOOR - GULF SUITE 44	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
245P	ACCESS PANEL DOOR - GULF SUITE 45	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
246P	ACCESS PANEL DOOR - GULF SUITE 46	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
247P	ACCESS PANEL DOOR - GULF SUITE 47	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
248P	ACCESS PANEL DOOR - GULF SUITE 48	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
249P	ACCESS PANEL DOOR - GULF STUDIO 49	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	

DOOR NUMBERED NOTES

01 FIRE AND SMOKE RATED DOOR SYSTEM; PROVIDE SMOKE SEALS AND POSITIVE LATCHING

02 SOUND RATED DOOR ASSEMBLY. MATCH RATING OF PARTITION IN WHICH LOCATED

03 180 DEGREE DOOR SWING HARDWARE

04 PROVIDE PANIC HARDWARE

05 MECHANICAL KEYPAD LOCK. SEE SPECIFICATION 08 7100

06 DOOR HOOKS. RE: TOILET ACCESSORY SCHEDULE

07 PROVIDE DOOR SIGNAGE TO THE ROOM WITH THE MAIN FIRE ALARM PANEL LABELED AS "FACP," "FIRE ALARM," OR SIMILAR TERMS.

08 POWER OVER ETHERNET (POE) ACCESS CONTROL DOOR. DOOR FRAME SHALL BE PROVIDED WITH ETHERNET JUNCTION BOX TO PROVIDE POWER OVER ETHERNET IN FRAME. CONTRACTOR SHALL PROVIDE AND INSTALL CATGE TO THE CENTER HINGES OF THE CORRIDOR ENTRANCE DOORS OF EACH DWELLING UNIT.

DOOR GENERAL NOTES

1) GENERAL:

A. DOOR AND/OR FRAME CONSTRUCTION SHALL BE AS SPECIFIED UNLESS NOTED OTHERWISE.

B. ALL TYPES OF DOORS ARE REPRESENTED IN THIS SCHEDULE FOR CONVENIENCE. WHERE MORE DESCRIPTIVE INFORMATION MAY BE LOCATED ELSEWHERE, NOTATION IS MADE IN THE NUMBERED NOTES COLUMN. (E.G. ALUMINUM FRAMED ENTRANCE DOORS. SEE SPECIFICATIONS)

2) MATERIAL AND FINISH:

A. MATERIALS AND FINISHES INDICATED ON THE SCHEDULE ARE AS FOLLOWS:

HM	HOLLOW METAL
ST	STEEL
ST/S	STEEL / STAINLESS OR STAINLESS CLAD
WD	SOLID CORE WOOD
WD/PL	WOOD / PLASTIC LAMINATE FACED
WD/IR	WOOD / IMPACT-RESISTANT VINYL-FACED
AL	ALUMINUM
GL	GLAZING/GLASS
PREFIN	PREFINISHED (OR FACTORY FINISHED)
PNT	PAINTED
STN	STAINED

3) GLASS:

A. GLASS TYPES INDICATED ON THE SCHEDULE ARE AS FOLLOWS (SEE SPECIFICATION SECTIONS 08 8000 "GLAZING" & 13 4900 "RADIATION PROTECTION"):

MONOLITHIC:

G1	6.0mm	CLEAR, TEMPERED (INCREASE TO 12.0mm TH. AT 2-SIDED GLAZING)
G1A	6.0mm	CLEAR, HEAT STRENGTHENED
G2	6.0mm	ULTRACLEAR, TEMPERED
G3	4.0mm(x2)	ULTRACLEAR, TEMPERED, 2 LITES + INTEGRAL BLINDS
G4	7.5mm	CLEAR, LAMINATED, INTERLAYER COLOR: CLEAR
G5	7.5mm	ULTRACLEAR, LAMINATED, INTERLAYOR COLOR: CLEAR
G6	7.5mm	CLEAR, LAMINATED, INTERLAYER COLOR: ARCTIC SNOW
G7	8.0mm	CLEAR, FIRE-RATED CERAMIC GLAZING, MATCH RATING OF OPENING
G8	12.5mm	LEAD-BARIUM X-RAY SHIELDING GLASS (SEE SPECIFICATION 13 4900)
G9	VARIES	SPECIALTY GLASS, (IF SCHEDULED, SEE SPECIFICATION 08 8000)

INSULATING:

IG1	1 inch	INSULATING, VISION LITE
IG2	1 inch	INSULATING, SPANDREL LITE
IG3	1 5/16 in.	INSULATING, LAMINATED, VISION LITE
IG4	1 5/16 in.	INSULATING, LAMINATED, SPANDREL LITE

4) LOUVERS:

A. DOOR LOUVER TYPES INDICATION ON THE SCHEDULE ARE AS FOLLOWS:

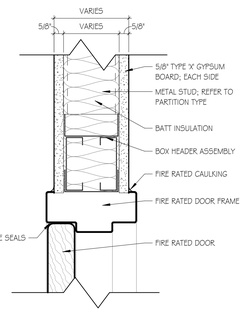
L1	30" W 20" H, 55% FREE AREA, WEATHER RESISTANT, W/ INSECT SCREEN
L2	A' W X B" H, LIGHT PROOF

5) DOOR HARDWARE:

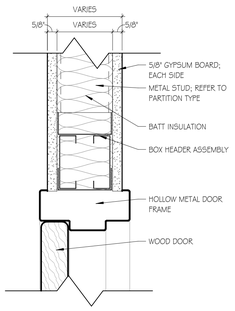
A. "HARDWARE SET NUMBER" REFERS TO HARDWARE SETS SPECIFIED IN SPECIFICATION SECTION 08 7100 "DOOR HARDWARE"

6) THE OWNER (DAUPHIN ISLAND SEA LAB (DISL)) ALREADY HAS CURRENT ACCESS CONTROL SOFTWARE AND NEW SECOND FLOOR LOCKS WILL BE TIED INTO EXISTING SYSTEM.

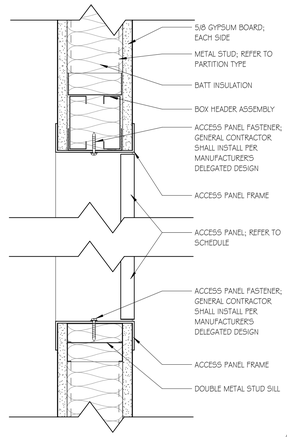
7) CONTRACTOR SHALL PROVIDE AND INSTALL CATGE TO THE CENTER HINGES OF THE CORRIDOR ENTRANCE DOORS OF EACH DWELLING UNIT.



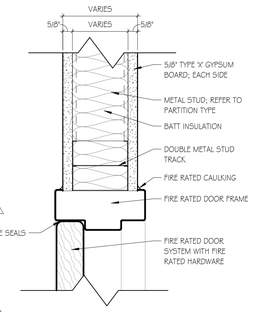
1 INT. DOOR HEAD - 1GS
SCALE: 3" = 1'-0"



4 INT. DOOR HEAD
SCALE: 3" = 1'-0"



7 ACCESS PANEL HEAD & SILL
SCALE: 3" = 1'-0"



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