



ADDENDUM No.3

The following additions, deletions, and/or changes or clarifications to the drawings, specifications, and bidding documents for this project, shall become and are hereby made part of the Contract Documents. They change the original documents only in the manner and to the extent stated. Each bidder shall acknowledge receipt of this Addendum in the appropriate location on the bid proposal form.

This addendum consists of 3 pages, and 4 drawings and 4 other attachments.

Specifications

Item 001 Table of Contents Page 8, 00 01 15 List of Drawings

Add "Dated 01/10/2025"

Item 002 00 21 13 10 Notice to Bidders Page NB-1 first paragraph

Delete "All work will be completed within 125 calendar days from receipt of the Notice to Proceed"

Add "All work will be completed within 155 calendar days from receipt of the Notice to Proceed."

Item 003 00 21 13 10 Notice to Bidders Page NB-2

Delete the last paragraph on page NB-2

Replace with " Please note that Sections 139-j and 139-k of the State finance Law imposes certain restrictions on communications between the fund and bidders during the procurement process.

Pursuant to those sections of the law, the Fund designates the following email addresses for persons to which communications concerning this procurement may be sent:

SUCF.ConstructionBids@suny.edu to contact one of the following people:

Robbilee Luedtke (518) 320-1837, Samantha Lord, Jeremy Clausi, or Kelly Whitbeck.

SUCF.OpportunityAdmin@suny.edu for MWBE SDVOB issues only to contact the following person:

Scott Clay

SUCF.Insurance@suny.edu for insurance issues only:

Jacqueline Maher and Danielle Ruchel."

Item 004 00 25 13 Pre-Bid Meetings

Section 002513 dated December 2023 is deleted and replaced by Section 002513 dated July 2024.

See the attached revised Section 002513.

Item 005 00 42 13 Proposal

Delete 00 42 13 Proposal in its entirety.

Replace with the attached 00 42 13 Proposal. Changes to the Proposal include:

Paragraph 1. "The Bidder agrees that it shall complete all work necessary for substantial completion

within 155 calendar days from receipt of the Notice to Proceed.”

Add “ Addendum 3” to the footer.

Item 006 01 32 13 Special Project Schedule/Phasing Page 01 00 00-10, 2.c:

Delete paragraph in its entirety

Replace with “The Work Site will be available to begin construction immediately upon Notice to Proceed.. Unless otherwise indicated, normal working hours on the Campus are between 7:00 AM and 4:00 PM. The Upper Floor work area will not be available before June 1, 2025, or Notice to Proceed, which ever is later.”

Item 007 Section 134700 Radio Frequency and Electromagnetic Shielding Enclosures

Part 2.1 E.

Delete “NIC 45”

Add “NIC 44”

Part 2.1 G.

Delete ...”NIC 68”...

Add ...”NIC 44”...

Item 008 Section 080671 – Door Hardware Schedule:

Delete Section 080671 dated “1/10/2025” is deleted in its entirety.

Add Revised Section 080671 dated 2/5/2025. Multiple Changes made to spec. See the attached Section 080671 Dated 2/5/2025.

Item 009 Section 281500 – Integrated Access Control Hardware Devices:

Add new Section issued with date 2/5/2025. See the attached Section 281500 dated 2/5/2025

Drawings:

Item 010 Sheet G0.01

A drawing has been added to show contractor and material access route to the Lower Level. See the Attached drawing G0.01 revised 02/05/2025

Item 011 Sheets LS.02, H100, AD1.00, AD9.00, A1.01, A8.11, A9.01, SP-201, P100, P-200, DM101, M101, ED101, ED102, E101, D102, FA101, FA102,

Add the following note: “Refer to Specification Section 01 32 13 Special Project Schedule/Phasing for work area restrictions.”

Item 012 Sheet A1.01

Upper Level Floor Plan has been revised to show a plumbing chase behind the sink in the RF Control Room 1000F. See the attached drawing A1.01 revised 02/05/2025.

Item 013 Sheet A8.10 – Door Schedule

Door 0001 CIRCULATION : Change to Label: “90 min in lieu of 20 min”, ADD to Remarks “Card

Reader”; Change to HW set: “14 in lieu of 10”

Door 0002 ELECTRICAL: ADD to Remarks “Card Reader” ; Change to HW set: “4 in lieu of 12”

Door 0003A CIRCULATION: Change to Label: “90 min in lieu of 20 min”

Door 0005B ELEVATOR MACHINE ROOM: ADD to Remarks “Card Reader”; Change to HW set: “14 in lieu of 10”

Item 014 Sheet A9.01 Upper Level Reflected Ceiling Plan

Light fixture LS1 located in Stair 1001D is to be included at the dimension of 30'-0". An area of 12" x 36'-0" of CLGB-1 GWB Painted is added at the ceiling above fixture LS1.

Item 015 Sheet A10.00

Drawing 1 revised to show RSF-1 at Stair Landing 0020. Note added – “Slab on Grade”.

Drawing 2 revised to show RSF-1 at Stair Landing 1001D. Note added – “Elevated Slab”

See the Attached sheet A1.00 revised 02/05/2025

Item 016 Sheet SP-201

Drawing 1 revised to add a sprinkler head at the top of the elevator shaft

Drawing 2 revised to add a sprinkler head at the bottom of the elevator shaft

Item 017 Sheet P300

Drawing 1 Sanitary Partial Riser Diagram to be revised to show the vent from SK-2 rising up directly from SK-2 in the chase behind SK-2. See the attached Sheet A1.01 revised 02/05/2025

Item 018 Sheet E101 Drawing 1 Electrical - Upper Level Part Plan Lighting New Work

Lineal light fixture LS1 is to be shown 30 long in Stair 1001D

Attachments

Attachment 01 Section 002513 Pre-Bid Meeting dated July 2024

Attachment 02 00 42 13 Proposal

Attachment 03 Division 08 Section 080671 – Door Hardware Schedule

Attachment 04 Division 28 Section 28 15 00 – Integrated Access Control Hardware Devices

Attachment 05 Drawing G0.01 Revised 02/05/2025 (material access to the Lower level)

Attachment 06 Drawing A1.01 revised 02/05/2025

Attachment 07 Drawing A10.00 Revised 02/05/2025

Attachment 08 Drawing SP-201 Revised 02/03/2025

End of ADDENDUM No. 3

Section 00 25 13 Pre-Bid Meetings

A pre-bid conference and project walk-through will be held on Friday, January 31, 2025 commencing at 10:30 am with all contractors assembled at 10:10 am at the SUNY Purchase College SUCF trailer, Salter Drive, Purchase, NY 10573. No individual or additional walk-throughs may be performed during the bid preparation time period. There is no free parking on campus for those attending the walk through. Violators may be ticketed and towed. Failure to attend the walk-through shall not be the cause for extra payment.

The pre-bid meeting shall be chaired by the Consultant with the following as the minimum agenda (Hold questions on scope until item 5 below):

1. Confirm that bidders have a full bid package including any addenda issued to date.

Please be advised of new standard documents:

- a. For projects advertised for bidding after July 1, 2023,
 - 1) See revised 00 21 13 20 Information for Bidders dated June 2023 and review in its entirety.
 - 2) See new Agreement Sections 5.06 Insurance and 5.07 Builder's Risk, and new Schedule A, and review the insurance changes in their entirety.
 - b. See Section 01 74 19 Construction Waste Management has been added at the request of the SUNY Sustainability Coalition. Please review the section and consider how to meet its goal for recycling at least 50% of the construction and demolition waste generated by this contract.
 - c. See Section 11 of 00 21 13 20 Information for Bidders for participation by MBEs and WBEs. The MBE/WBE participation goals for this project are:
 - 17 percent for MBE participation
 - 13 percent for WBE participation
 - d. See Section 12 of the Information for Bidders for participation by Service-Disabled Veteran-Owned Businesses. The SDVOB goal for this project is 6%
 - e. Utilization Plans shall be accepted in the ONLINE FORMAT ONLY using the Fund's web-based application; any other form of submittal will be rejected. Low bidders will receive an email with access instructions after receipt of bids. Questions must be sent to SUCF.OpportunityAdmin@suny.edu
2. Review the timetable for submitting questions and issuing addenda.
 3. Confirm the bid date and time.

To provide for an efficient bid opening, do not submit additional documents other than two Proposals and two bid bonds in your bid envelope.

4. Advise bidders that no changes to the Contract Documents are binding unless included in an addendum. Verbal comments are not binding.
5. Review the project scope and schedule. Describe the main concepts of the project.
 - a. Review the list of sole/single source products listed in General Requirements Section 01 26 43 Amendments (if any) and remind bidders that all costs for these products are covered by the base bid and no equivalents will be permitted.
 - b. Remind bidders and potential subs that each must have experience performing scope similar to this project scope. Review the specific Qualifications for Bidders and the nominated subcontractors as written in the Information for Bidders with the attendees.
6. Describe and discuss any Campus restrictions regarding security, access, worker prerequisites for entry to Campus, parking, and/or other restrictions that create cost and time difficulties related to this project.
7. Other items:
 - a. Refer the bidders to the 00 21 13 15 Contractors Bid and Post Bid Checklist.
 - b. Note that for projects advertised for bids after July 1, 2023, insurance requirements have changed. Key points for bidders are:
 - All required insurance shall be written by companies that are licensed or authorized by the New York State Department of Financial Services to issue insurance in the State of New York and that have an A.M. Best Company rating of "A-," Class "VII" or better;
 - Insurances from authorized (excess line) carriers may be acceptable. Bidders must review the project specific insurance listed in Section 5.06, **Section 5.07** and Schedule A of the Construction Agreement with their agent/broker; and
 - Owner's Protective Liability Insurance is no longer required from contractors.

For projects with bid openings on or after July 14, 2024, **Builder's Risk Insurance will no longer be provided by the Fund under a master builders risk program and shall be at the cost of the Contractor.**

Bidders and Asbestos subs must consult their insurance company/agent prior to bidding.

c. If the Fund issues a Notice of Award and the bidder doesn't provide acceptable insurance, then the Fund may rescind the award and take other actions to which it

is entitled. All resulting costs and time delay are solely the responsibility of the bidder.

d. Note the dollar threshold for named subcontractors back is \$20,000 except for asbestos subs of any value, who must be named.

9. Have a question-and-answer session.
10. Tour the site and existing conditions.

NAME OF BIDDER

ADDRESS OF BIDDER

00 42 13 **PROPOSAL FOR SUFC PROJECT NO. 291029-04 Entitled "Rehab Natural Sciences Building – Bookstore Surge" at Purchase College, State University of New York**

TO THE STATE UNIVERSITY CONSTRUCTION FUND:

1. The Bidder agrees that it shall complete all work necessary for substantial completion within 155 calendar days from receipt of the Notice to Proceed.

In the event the bidder fails to complete such work by said date, or within the time to which such completion may have been extended in accordance with the Contract Documents, the bidder agrees to pay the Fund liquidated damages in the sum of \$1,300 for each calendar day of delay in completing the work.

2. The bidder hereby declares that it has carefully examined all Bidding and Contract Documents and that it has inspected the actual location of the work, together with the local sources of supply, has satisfied itself as to all the quantities and conditions, and understands that in signing this Proposal, it waives all right to plead any misunderstanding regarding the same.
3. The bidder further understands and agrees that it is to do, perform and complete all work in accordance with the Contract Documents and to accept in full compensation therefor the amount of the TOTAL BID, modified by such additive or deductive alternates, if any, as are accepted by the Fund.
4. The bidder further agrees to accept the unit prices, if any, set forth in paragraph (5) hereof, except as the same may be modified pursuant to the provisions of Section 5 of the Information to Bidders, as full payment for any deletions, additions, modifications or changes to the portion or portions of work covered by said unit prices.

5. a. **BID CALCULATION:**

- (1) All work including Allowances (if any) listed in 5.d. below and excluding Field Order Allowance

(In words) \$ _____ (In figures)

- (2) Field Order Allowance: Schedule III and Section 4.05A of the Agreement

Ninety Seven Thousand Seven Hundred Fifty Dollars and No Cents \$97,750
(In words) (In figures)

- (3) TOTAL BID Add lines (1) and (2)

(In words) \$ _____ (In figures)

- b. **ALTERNATES:** Refer to 01 23 00 Alternates (Section B) of the General Requirements. The bidder proposes the following Additions to or Deductions from the TOTAL BID for the alternatives listed below:

<u>Alternate Number</u>	<u>Add/ Deduct</u>	<u>Amount In Words</u>	<u>Amount In Figures</u>
NONE			

- c. **UNIT PRICES:** The bidder or the Fund may insert unit prices for the work or materials listed below. Refer to Section 5, paragraph (2) of the Information to Bidders, Schedule 1 and Article IV Section 4.04 of the Agreement for clarification. Such unit prices apply solely for additions. The Fund may, however, adjust any unit price filled in by a bidder to an amount agreeable to both the bidder and the Fund, or it may reject any unit price. The amount of any unit price accepted or agreed to by the Fund shall be reduced by 15 percent for any deduction in the work or materials covered by such unit price.

<u>Work or Materials Description</u>	<u>Amount in Words</u>	<u>Amount in Figures</u>
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NONE

- d. **ALLOWANCES:** The bidder further agrees that its TOTAL BID includes the Allowance(s) listed below. Refer to Schedule II and Sections 4.04 and 4.05 of the Agreement for clarification:

<u>Work or Materials Description</u>	<u>Amount in Words</u>	<u>Amount in Figures</u>
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NONE

6. By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organization, under penalty of perjury, that to the best of his or her knowledge and belief: (a) the prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor; (b) unless otherwise required by law, the prices have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor; and (c) no attempt has been made or will be made by the bidder to induce any person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

A bid shall not be considered for award nor shall any award be made where (a), (b) and (c) above have not been complied with; provided, however, that if in any case the bidder cannot make the foregoing certification the bidder shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons therefor. Where (a), (b), and (c) above shall have not been complied with, the bid shall not be considered for award nor shall any award be made unless the General Manager of the Fund, or his designee, determines that such disclosure was not made for purposes of restricting competition.

The fact that a bidder (a) has published price lists, rates, or tariffs covering items being procured, (b) has informed prospective customers of proposed or pending publication of new or revised price lists for such items, or (c) has sold the same items to other customers at the same prices being bid, does not constitute, without more, a disclosure within the meaning of this Section.

7. The bidder agrees that if awarded the Contract, it will commence work upon receipt of the Notice to Proceed and that it will fully complete the work by the date stated or within the duration herein, as applicable.
8. The bidder acknowledges the receipt of the following addenda, but agrees that it is bound by all addenda whether or not listed herein.

<u>Addendum Number</u>	<u>Date</u>	<u>Addendum Number</u>	<u>Date</u>
_____	____/____/____	_____	____/____/____
_____	____/____/____	_____	____/____/____
_____	____/____/____	_____	____/____/____

9. The Omnibus Procurement Act of 1992, as amended, requires that, by signing this Proposal, the bidder certifies that whenever its Total Bid amount is greater than \$1,000,000: (a) it has made reasonable efforts to encourage the participation of New York State Business Enterprises as suppliers and subcontractors on this Project, and has retained the documentation of these efforts to be provided upon request to the State;

(b) it has complied with the Federal Equal Opportunity Act of 1972 (P.L. 92-261), as amended; (c) it agrees to make reasonable efforts to provide notification to New York State residents of employment opportunities on this Project through listing any such positions with Community Services Division of the New York State Department of Labor, or providing such notification in such manner as is consistent with existing collective bargaining contracts or agreements. The bidder further agrees to document these efforts and to provide said documentation to the State and the Fund upon request, and agrees to cooperate with the State in these efforts. Documented efforts by a successful bidder shall consist of and be limited to showing that such bidder has:

- a. Solicited bids, in a timely and adequate manner, from New York State Business Enterprises including certified Minority and Women's owned Business Enterprises, or
- b. Contacted the New York State Department of Economic Development to obtain listings of New York State Business Enterprises, or
- c. Placed notices for subcontractors and suppliers in newspapers, journals and other trade publications distributed in New York State, or
- d. Participated in bidder outreach conferences.
- e. If the bidder determines that New York State Business Enterprises are not available to participate on the Contract as subcontractors or suppliers, the bidder shall provide a statement indicating the method by which such determination was made.
- f. If the bidder does not intend to use subcontractors on the Contract, the bidder shall provide a statement verifying such intent.

10. The bidder submits herewith bid security in an amount not less than five (5) percent of the Total Bid. In the event that

(a) the bidder's Total Bid is the lowest one submitted and the bidder does not timely provide the Post-Bid Information required under Section 8 of the Information for Bidders; or

(b) this Proposal is accepted by the Fund and the bidder shall refuse or neglect, within ten (10) working days after date of receipt of Notice of Award to:

- (1) execute and deliver an Agreement in the form provided herein; or
- (2) execute and deliver a Performance Bond and a Labor and Material Bond in the amounts required and in the form prescribed; or
- (3) provide proof of insurances required in Article V of the Agreement; or
- (4) provide the 120-day Schedule required by the General Requirements, Special Conditions paragraph 01 32 16, titled "Project Schedule;"

then the bidder shall be liable to the Fund, as liquidated damages, for the amount of the bid security or the difference between the Total Bid of the bidder and the Total Bid of the bidder submitting the next lowest bid, whichever sum shall be higher, otherwise the total amount of the bid security will be returned to the bidder in accordance with the provisions set forth in the Information for Bidders.

The Fund may apply the bid security in full or partial payments, as the case may be, of said liquidated damages and in the event the bid security is less than the amount of liquidated damages to which the Fund is entitled, the bidder shall pay the difference, upon demand, to the Fund.

11. The bidder certifies that all wood products that are to be used in the performance of this Contract shall be in accordance with the Specifications and provisions of Section 167 b. of the State Finance Law which Section prohibits the purchase and use of tropical hardwoods.

12. The bidder affirms that it understands and agrees to comply with the procedures of the Fund relative to permissible contacts as required by Sections 139-j(3) and 139-j-(6)(b) of the State Finance Law.
13. The bidder certifies that all information provided or to be provided to the Fund in connection with this procurement is, as required by Section 139-k of the State Finance Law, complete, true and accurate.

Dated _____
(Legal name of person, partnership, joint venture, corporation, or LLC)

(If corporation, affix corporate seal) By _____
(Signature)

Title _____

Firm's Federal ID Number or Social Security Number as applicable _____

Firm's NYS SFS Vendor Identification Number _____

Check: Is Firm NYS-Certified* MBE? ☐ Yes WBE? ☐ Yes

*(*Defined as independent business concerns which are at least 51% owned and controlled by minority group members or women (citizens of the United States or permanent resident aliens who are Black, Hispanic, Asian or American Indian), whose ownerships in the concerns are real, substantial and continuing and who have and exercise the authority to independently control the decisions of the concerns)*

ATTENTION BIDDERS: ALSO FULLY EXECUTE PAGES P-5, P-6, P-7, P-8, P-9, P-10, AND P-11.

THE POST OFFICE ADDRESS OF THE BIDDER

Telephone No. _____ Email Address _____

If a Corporation

Name	Address
_____, PRESIDENT	_____
_____, SECRETARY	_____
_____, TREASURER	_____

If a Partnership

Name of Partners	Address
_____	_____
_____	_____
_____	_____

If a Joint Venture

Name of Members	Address
_____	_____
_____	_____
_____	_____

If an Individual

Name of Individual	Address
_____	_____

If a Limited Liability Corporation

Name	Address
_____	_____
_____	_____
_____	_____

STATE UNIVERSITY CONSTRUCTION FUND
H. Carl McCall SUNY Building 353 Broadway • Albany, New York 12246
Offerer Disclosure of Prior Non-Responsibility Determinations

Name of Individual or Entity Seeking to Enter into the Procurement Contract:

Address:

Name and Title of Person Submitting this Form:

SUCF Project Number: _____

Date: _____

1. Has any Governmental Entity made a finding of non-responsibility regarding the individual or entity seeking to enter into the Procurement Contract in the previous four years? ☐ No ☐ Yes

If yes, please answer the next questions:

2. Was the basis for the finding of non-responsibility due to a violation of State Finance Law Section 139-j: ☐ No ☐ Yes

3. Was the basis for the finding of non-responsibility due to the intentional provision of false or incomplete information to a Governmental Entity? ☐ No ☐ Yes

4. If you answered "yes" to any of the above questions, please provide details regarding the finding of non-responsibility below.

Governmental Entity: _____

Date of Finding of Non-Responsibility: _____

Basis of Finding of Non-Responsibility: _____

(Add additional pages as necessary)

5. Has any Governmental Entity or other governmental agency terminated or withheld a Procurement Contract with the above-named individual or entity due to the intentional provision of false or incomplete information? ☐ No ☐ Yes

6. If yes, please provide details below.

Governmental Entity: _____

Date of Termination or Withholding of Contract: _____

Basis of Termination or Withholding: _____

(Add additional pages as necessary)

Offerer certifies that all information provided to SUCF with respect to State Finance Law Section 139-k is complete, true and accurate. Submit form with original signature with Proposal.

By: _____
Signature

Date

Certification Regarding Sexual Harassment Prevention Policies Pursuant to State Finance Law §139-I

Addendum 3 December 2023

ENCOURAGING USE OF NEW YORK STATE BUSINESSES IN CONTRACT PERFORMANCE

New York State businesses have a substantial presence in State contracts and strongly contribute to the economies of the state and the nation. In recognition of their economic activity and leadership in doing business in New York State, bidders/proposers for this contract for commodities, services or technology are strongly encouraged and expected to consider New York State businesses in the fulfillment of the requirements of the contract. Such partnering may be as subcontractors, suppliers, protégés or other supporting roles.

Bidders/proposers need to be aware that all authorized users of this contract will be strongly encouraged, to the maximum extent practical and consistent with legal requirements, to use responsible and responsive New York State businesses in purchasing commodities that are of equal quality and functionality and in utilizing services and technology. Furthermore, bidders/proposers are reminded that they must continue to utilize small, minority and women-owned businesses, consistent with current State law.

Utilizing New York State businesses in State contracts will help create more private sector jobs, rebuild New York's infrastructure, and maximize economic activity to the mutual benefit of the contractor and its New York State business partners. New York State businesses will promote the contractor's optimal performance under the contract, thereby fully benefiting the public sector programs that are supported by associated procurements.

Public procurements can drive and improve the State's economic engine through promotion of the use of New York businesses by its contractors. The State therefore expects bidders/proposers to provide maximum assistance to New York businesses in their use of the contract. The potential participation by all kinds of New York businesses will deliver great value to the State and its taxpayers.

Bidders/proposers can demonstrate their commitment to the use of New York State businesses by responding to the question below:

Will New York State Businesses be used in the performance of this contract? ☐ Yes ☐ No

SUCF Project Number: _____

If yes, identify New York State Business(es) that will be used; (list identifying information below).

(Attach additional identifying information with the bid as required)

By: _____ Date: _____
Signature

Print Name and Title: _____

Contractor Name: _____

Contractor Address: _____

EO 177 Certification

The New York State Human Rights Law, Article 15 of the Executive Law, prohibits discrimination and harassment based on age, race, creed, color, national origin, sex, pregnancy or pregnancy-related conditions, sexual orientation, gender identity, disability, marital status, familial status, domestic violence victim status, prior arrest or conviction record, military status or predisposing genetic characteristics.

The Human Rights Law may also require reasonable accommodation for persons with disabilities and pregnancy-related conditions. A reasonable accommodation is an adjustment to a job or work environment that enables a person with a disability to perform the essential functions of a job in a reasonable manner. The Human Rights Law may also require reasonable accommodation in employment on the basis of Sabbath observance or religious practices.

Generally, the Human Rights Law applies to:

- all employers of four or more people, employment agencies, labor organizations and apprenticeship training programs in all instances of discrimination or harassment;
- employers with fewer than four employees in all cases involving sexual harassment; and,
- any employer of domestic workers in cases involving sexual harassment or harassment based on gender, race, religion or national origin.

In accordance with Executive Order No. 177, the Bidder hereby certifies that it does not have institutional policies or practices that fail to address the harassment and discrimination of individuals on the basis of their age, race, creed, color, national origin, sex, sexual orientation, gender identity, disability, marital status, military status, or other protected status under the Human Rights Law.

Executive Order No. 177 and this certification do not affect institutional policies or practices that are protected by existing law, including but not limited to the First Amendment of the United States Constitution, Article 1, Section 3 of the New York State Constitution, and Section 296(11) of the New York State Human Rights Law.

Contractor Name: _____

By: _____ Date: _____
Signature

Print Name and Title: _____

State University Construction Fund

Bid proposal supplement

Attachment A – List of Completed Similar Construction Projects

Bidder Name:

SUCF Project No.: 291029-04

Bidders must provide three (3) example projects completed in the past ten (10) years in which the Bidder served as the prime contractor. Example projects must be of similar size, scope and complexity to the project currently being bid, as further described in the General Requirements, Section 01 11 00, Description of Work. Each project must include the Owner/Agency, Award Date, Contract Amount, Date Completed, Contact Person, Telephone number of the contact, Architect and/or Engineer's Name, Contract Number, Contact Email, and the Project Title and a brief scope description. Reference contacts may be used to verify project size, scope, dollar value, percentages and quality of performance.

1.	Agency/Owner			Award Date	Contract Amount	Date Completed
	Agency/Owner Contact Person		Telephone No.	Designer Architect and /or Design Engineer		
	Contract No.	Contact Email	Project Title & Scope			
2.	Agency/Owner			Award Date	Contract Amount	Date Completed
	Agency/Owner Contact Person		Telephone No.	Designer Architect and /or Design Engineer		
	Contract No.	Contact Email	Project Title & Scope			
3.	Agency/Owner			Award Date	Contract Amount	Date Completed
	Agency/Owner Contact Person		Telephone No.	Designer Architect and /or Design Engineer		
	Contract No.	Contact Email	Project Title & Scope			
Completed By:				Phone Number: Email: Date:		

*Edit Attachment A to align with Information for Bidders Section 7.
Check Page numbers and modify Page numbers listed on P-4 as/if needed*

SECTION 080671 – DOOR HARDWARE SCHEDULE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. This Section references specification sections relating to commercial door hardware for the following:
 - 1. Swinging doors.
 - 2. Sliding Doors.
 - 3. Other doors to the extent indicated.
- B. Commercial door hardware includes, but is not necessarily limited to, the following:
 - 1. Mechanical door hardware.
 - 2. Electromechanical and access control door hardware.
 - 3. Electromechanical and access control door hardware power supplies, back-ups and surge protection.
 - 4. Automatic operators.
 - 5. Cylinders specified for doors in other sections.
- C. Related Sections:
 - 1. Division 08 Section “Door Hardware”.
 - 2. Division 08 Section “Automatic Door Operators”.
 - 3. Division 28 Section “Access Control Hardware Devices”.
- D. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.
 - 1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
 - 2. 2020 Building Code of New York State.
 - 3. 2020 Fire Code of New York State
 - 4. 2020 Existing Building Code of New York State
 - 5. NFPA 70 - National Electrical Code.
 - 6. NFPA 80 - Fire Doors and Windows.

- E. Standards: Reference Related Sections for requirements regarding compliance with applicable industry standards.

1.3 SUBMITTALS

- A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.
- B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
 - 1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."
 - 2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.
 - 3. Content: Include the following information:
 - a. Type, style, function, size, label, hand, and finish of each door hardware item.
 - b. Manufacturer of each item.
 - c. Fastenings and other pertinent information.
 - d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
 - e. Explanation of abbreviations, symbols, and codes contained in schedule.
 - f. Mounting locations for door hardware.
 - g. Door and frame sizes and materials.
 - 4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the 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 Schedule.
- C. Keying Schedule: Prepared under the supervision of the Owner, separate schedule detailing final keying instructions for locksets and cylinders in writing. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner to approve submitted keying schedule prior to the ordering of permanent cylinders.
- D. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.

- E. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Submittals. The manual to include the name, address, and contact information of the manufacturers providing the hardware and their nearest service representatives. The final copies delivered after completion of the installation test to include "as built" modifications made during installation, checkout, and acceptance.
- F. Warranties and Maintenance: Special warranties and maintenance agreements specified in the Related Sections.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.
- B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.
- C. Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.5 WARRANTY

- A. All Hardware shall be warranted by the manufacturer to be free from defects in materials and workmanship for a period of not less than two years from the date of substantial completion of the Project.
 - 1. Manufacturer shall warrant door closers for ten years from date of manufacture.
 - 2. Manufacturer shall warrant mortise locks and latches for ten years from date of manufacture.
 - 3. Manufacturer shall warrant exit devices, and motorized latch retraction exit devices for five years
 - 4. Where the manufacturer's standard warranty period is greater than two years for any item of hardware, the standard warranty period shall apply.
 - 5. Where manufacturer's standard warranty is less than two years, Contractor shall provide necessary extended warranty at no cost to Owner.

1.6 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. Refer to “PART 3 – EXECUTION” for required specification sections.

PART 3 - EXECUTION

3.1 DOOR HARDWARE SETS

- A. The door hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.

1. Quantities listed are for each pair of doors, or for each single door.
2. The supplier is responsible for handling and sizing all products.
3. Where multiple options for a piece of hardware are given in a single line item, the supplier shall provide the appropriate application for the opening.
4. At existing openings with new hardware the supplier shall field inspect existing conditions prior to the submittal stage to verify the specified hardware will work as required. Provide alternate solutions and proposals as needed.

- B. Products listed in the hardware sets shall be supplied by and in accordance with the requirements described in the specification section as noted for each item.

1. Section 08 71 00 – Door Hardware.
2. Section 08 71 13 – Automatic Door Operators.
3. Section 28 15 00 – Access Control Hardware Devices.

- C. Manufacturer’s Abbreviations:

1. MK - McKinney
2. PE - Pemko
3. SU - Securitron
4. RO - Rockwood
5. SA - SARGENT
6. BE - BEST Locks & Closers
7. RF - Rixson
8. NO - Norton

9. OT - Other

Hardware Sets

Set: 1.0

Doors: 1005

1 Continuous Hinge	CFM__HD1 PT		PE 087100
1 Electric Power Transfer	EL-CEPT	630	SU 087100 ⚡
1 Rim Exit Device, Storeroom	43 55 56 72 8804 862	US32D	SA 087100 ⚡
1 Permanent Core	To Match Existing BEST System	626	BE 087100
1 Automatic Opener	6300 Series	689	NO 087113 ⚡
1 Wall/Floor Stop	409 [OR] 441	US26D	RO 087100
1 Gasketing	By Alum Storefront Mfr		OT
1 Harness, Frame	QC-C1500P		MK 087100 ⚡
1 Harness, Exits	QC-C__P		MK 087100 ⚡
1 Card Reader	By Security System Supplier		OT
1 Position Switch	DPS-M/W-BK		SU 087100 ⚡
2 Touchless Actuator	674		NO 087113
1 Power Supply	AQD/AQL Series		SU 087100 ⚡
1 Wiring Diagram	Elevation and Point to Point as Specified		OT

Notes: Theory of operation:

- Door normally closed and secure.
- Presenting valid credential at card reader retracts latch in exit device, allowing ingress.
- Automatic operator by touchless actuator after validation of credential.
- In the event of power failure, door remains closed and secure.
- Manual key override provided.
- Free egress allowed at all times.

Set: 2.0

Doors: 0030

6 Hinge, Heavy Wt, Int	T4A3786 [NRP]	US26D	MK 087100
1 Electric Power Transfer	CEPT-C5E	630	SU 087100 ⚡
1 PoE Mortise Exit Device	12 43 72 IN220-8977 ETL	US32D	SA 281500 ⚡

1 Surface Vert Rod Exit, Exit Only	12 43 NB8710 EO	US32D	SA 087100
1 Permanent Core	To Match Existing BEST System	626	BE 087100
2 Surf Overhead Stop	9-_36	652	RF 087100
2 Surface Closer	7500	689	NO 087100
2 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Astragal	S771x6BL		PE 087100
1 Gasketing	S88BL		PE 087100
1 PoE Harness, Frame	PoE-C1500P		MK 087100 ⚡
1 PoE Harness, Exits	PoE-C__P		MK 087100 ⚡
1 Wiring Diagram	Elevation and Point to Point as Specified		OT

Notes: ***Verify with AHJ that the above configuration is acceptable for opening.***

Provide open back strike for inactive leaf.

Theory of operation:

- Doors normally closed and secure.
- Presenting valid credential at integrated card reader unlocks trim at active leaf, allowing ingress.
- In the event of power failure or actuation of fire alarm, doors remain closed and secure.
- Manual key override provided at active leaf.
- Free egress allowed at both leaves at all times.

Set: 3.0

Doors: 0003A

3 Hinge, Full Mortise, Int	TA2714 [NRP]	US26D	MK 087100
1 Electric Power Transfer	EL-CEPT	630	SU 087100 ⚡
1 Rim Exit Device, Storeroom	AL 12 43 56 72 8804 ET_	US32D	SA 087100 ⚡
1 Permanent Core	To Match Existing BEST System	626	BE 087100
1 Surface Closer	7500	689	NO 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Wall/Floor Stop	409 [OR] 441	US26D	RO 087100
1 Gasketing	S88BL		PE 087100
1 Harness, Frame	QC-C1500P		MK 087100 ⚡
1 Harness, Exits	QC-C__P		MK 087100 ⚡
2 Card Reader	By Security System Supplier		OT

1 Power Supply	AQD/AQL Series	SU 087100 ⚡
1 Wiring Diagram	Elevation and Point to Point as Specified	OT

Notes: Theory of Operation:

- Door normally closed and secure.
- Presenting valid credential at card reader at exterior retracts latch in exit device, allowing ingress.
- Presenting valid credential at card reader at interior shunts alarm in device, allowing free egress without alarm condition.
- In the event of power failure, door remains closed and secure.
- Manual key override provided.
- Free egress allowed at all times with alarm condition.

Set: 4.0

Doors: 1001E, 1001F, 1009B

3 Hinge, Full Mortise, Int	TA2714 [NRP]	US26D	MK 087100
1 Storeroom Lock	72 8204	US26D	SA 087100
1 Permanent Core	To Match Existing BEST System	626	BE 087100
1 Surf Overhead Stop	10-_36	652	RF 087100
1 Surface Closer	7500	689	NO 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Wall/Floor Stop	409 [OR] 441	US26D	RO 087100
1 Gasketing	S88BL		PE 087100

Set: 5.0

Doors: 0006, 0007, 1001A, 1001C

3 Hinge, Full Mortise, Int	TA2714 [NRP]	US26D	MK 087100
1 Office Lock	72 8205	US26D	SA 087100
1 Permanent Core	To Match Existing BEST System	626	BE 087100
1 Surface Closer	7500	689	NO 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Wall/Floor Stop	409 [OR] 441	US26D	RO 087100
1 Gasketing	S88BL		PE 087100

Set: 6.0

Doors: 0004, 0005A, 0008, 1000E, 1000G, 1000H, 1002A, 1002B

3 Hinge, Full Mortise, Int	TA2714 [NRP]	US26D	MK 087100
1 Office Lock	72 8205	US26D	SA 087100
1 Permanent Core	To Match Existing BEST System	626	BE 087100
1 Surf Overhead Stop	10- 36	652	RF 087100
1 Surface Closer	7500	689	NO 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Gasketing	S88BL		PE 087100

Set: 7.0

Doors: 1000B

3 Hinge, Full Mortise, Int	TA2714 [NRP]	US26D	MK 087100
1 Classroom Lock	72 8237	US26D	SA 087100
1 Permanent Core	To Match Existing BEST System	626	BE 087100
1 Surface Closer	7500	689	NO 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Wall/Floor Stop	409 [OR] 441	US26D	RO 087100
1 Gasketing	S88BL		PE 087100

Set: 8.0

Doors: 1000, 1002E, 1004, 1008

3 Hinge, Full Mortise, Int	TA2714 [NRP]	US26D	MK 087100
1 Passage Latch	8215	US26D	SA 087100
1 Wall/Floor Stop	409 [OR] 441	US26D	RO 087100

Set: 9.0

Doors: 0009

3 Hinge, Full Mortise, Int	TA2714 [NRP]	US26D	MK 087100
1 Passage Latch	8215	US26D	SA 087100
1 Surface Closer	7500	689	NO 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Wall/Floor Stop	409 [OR] 441	US26D	RO 087100
1 Gasketing	S88BL		PE 087100

Set: 10.0

Doors: 0010, 1001G, 1001H

1 Existing Hardware To Remain OT

Set: 11.0

Doors: 1000A, 1000C, 1000D, 1001B, 1002C

3 Hinge, Full Mortise, Int	TA2714 [NRP]	US26D	MK 087100
1 Electric Power Transfer	CEPT-C5E	630	SU 087100 ⚡
1 PoE Mortise Lock	72 IN220-82278 LNMD	US26D	SA 281500 ⚡
1 Permanent Core	To Match Existing BEST System	626	BE 087100
1 Surface Closer	7500	689	NO 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Wall/Floor Stop	409 [OR] 441	US26D	RO 087100
1 Gasketing	S88BL		PE 087100
1 PoE Harness, Frame	PoE-C1500P		MK 087100 ⚡
1 PoE Harness, Locks	PoE-C__P		MK 087100 ⚡
1 Wiring Diagram	Elevation and Point to Point as Specified		OT

Notes: Theory of Operation:

- Door normally closed and secure.
- Presenting valid credential at integrated card reader energizes lock, allowing ingress.
- In the event of power failure, door remains closed and secure.
- Door position switch and request to exit integral to lockset.
- Manual key override provided.
- Free egress allowed at all times.

Set: 12.0

Doors: 0002, 1000F, 1002D

3 Hinge, Full Mortise, Int	TA2714 [NRP]	US26D	MK 087100
1 Electric Power Transfer	CEPT-C5E	630	SU 087100 ⚡
1 PoE Mortise Lock	72 IN220-82278 LNMD	US26D	SA 281500 ⚡
1 Permanent Core	To Match Existing BEST System	626	BE 087100

1 Surf Overhead Stop	10-_36	652	RF 087100
1 Surface Closer	7500	689	NO 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Gasketing	S88BL		PE 087100
1 PoE Harness, Frame	PoE-C1500P		MK 087100 ⚡
1 PoE Harness, Locks	PoE-C__P		MK 087100 ⚡
1 Wiring Diagram	Elevation and Point to Point as Specified		OT

Notes: Theory of Operation:

- Door normally closed and secure.
- Presenting valid credential at integrated card reader energizes lock, allowing ingress.
- In the event of power failure, door remains closed and secure.
- Door position switch and request to exit integral to lockset.
- Manual key override provided.
- Free egress allowed at all times.

Set: 13.0

Doors: 1002F

2 Continuous Hinge	CFM__HD1 PT		PE 087100
2 Electric Power Transfer	EL-CEPT	630	SU 087100 ⚡
1 Mullion	L980	PC	SA 087100
1 Rim Exit Device, Storeroom	43 55 56 72 8804 862	US32D	SA 087100 ⚡
1 Rim Exit Device, Dummy	43 55 56 8810 862	US32D	SA 087100 ⚡
2 Permanent Core	To Match Existing BEST System	626	BE 087100
1 Mullion Cylinder	72 980C1	US26D	SA 087100
1 Surface Closer	UNI9500	689	NO 087100
1 Automatic Opener	6300 Series	689	NO 087113 ⚡
1 Gasketing	By Alum Storefront Mfr		OT
1 Rain Guard	346C		PE 087100
2 Sweep	18061CNB		PE 087100
1 Threshold	273x224AFGT		PE 087100
2 Harness, Frame	QC-C1500P		MK 087100 ⚡
2 Harness, Exits	QC-C__P		MK 087100 ⚡
1 Card Reader	By Security System Supplier		OT

2 Position Switch	DPS-M/W-BK	SU 087100 ⚡
2 Touchless Actuator	674	NO 087113
1 Power Supply	AQD/AQL Series	SU 087100 ⚡
1 Wiring Diagram	Elevation and Point to Point as Specified	OT

Notes: Theory of operation:

- Doors normally closed and secure.
- Presenting valid credential at card reader retracts latches in exit devices, allowing ingress at either leaf.
- Automatic operator by touchless actuator after credential has been validated.
- In the event of power failure, doors remain closed and secure.
- Manual key override provided at active leaf.
- Free egress allowed at both leaves at all times.

Set: 14.0

Doors: 0001, 0005B

1 Magnetic Lock	M680E	628	SU 087100 ⚡
1 Card Reader	By Security System Supplier		OT
1 Motion Sensor	XMS2		SU 087100 ⚡
1 Push-to-Exit Button	EEB2		SU 087100 ⚡
1 Balance of Hardware	To Remain		OT

Notes: ***Where existing doors and/or frames are to remain - field verify that the existing door and/or frame conditions are able to accommodate the above hardware items.***

Theory of operation:

- Door normally closed and secure.
- Presenting valid credential at card reader cuts power to magnet, allowing ingress.
- In the event of power failure, door becomes free at both sides.
- Free egress allowed at all times.

END OF SECTION 080671

SECTION 281500 - INTEGRATED ACCESS CONTROL HARDWARE DEVICES

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 access control door hardware for the following:
 - 1. Swinging doors.
 - 2. Other doors to the extent indicated.
- B. Section includes, but is not necessarily limited to, the following for the integrated access control security and site management system:
 - 1. Electrified and Integrated Access Control Card Key Door Hardware
- C. Related Sections include the following:
 - 1. Division 01 Section "Cash Allowances".
 - 2. Division 01 Section "Product Allowances".
 - 3. Division 08 Section "Door Schedule".
 - 4. Division 08 Section "Door Hardware Schedule".
 - 5. Division 08 Section "Hollow Metal Doors and Frames".
 - 6. Division 08 Section "Flush Wood Doors".
 - 7. Division 08 Section "Clad Wood Doors".
 - 8. Division 08 Section "Stile and Rail Wood Doors".
 - 9. Division 08 Section "Fiberglass Doors".
 - 10. Division 08 Section "Integrated Door Opening Assemblies".
 - 11. Division 08 Section "Aluminum-Framed Entrances and Storefronts".
 - 12. Division 08 Section "All-Glass Entrances".
 - 13. Division 08 Section "Automatic Entrances".
 - 14. Division 08 Section "Door Hardware".
 - 15. Division 08 Section "Automatic Door Operators".
 - 16. Division 14 Section "Elevators" for security access to elevator floor selection controls.
 - 17. Division 26 Section "Electrical" for connections to electrical power system and for low voltage wiring work.
 - 18. Division 27 Section "Communications" for connections to the LAN.
 - 19. Division 28 Section "Access Control" for access control devices and equipment installed at door openings and provided as part of a security and site management system.

20. Division 28 Section "Intrusion Detection" for detection devices installed at door openings and provided as part of an intrusion detection system.
21. Division 28 Section "Video Surveillance" for motion detection and video camera devices and equipment installed at door openings and provided as part of a security and site management system.
22. Division 28 Section "Fire Detection and Alarm" for connections to building fire alarm system.

D. References:

1. ANSI A117.1 (1998) - Accessible and Usable Buildings and Facilities.
2. IBC - International Building Code
3. NFPA 70 (2002) - National Electrical Code.
4. NFPA 80 (1999) - Fire Doors and Windows.
5. NFPA 101 (2006) - Life Safety Code.
6. UL 294 - Access Control Systems.
7. UL 1076 - Proprietary Burglar Alarm Units and Systems.

E. Products installed, but not provided under this Section include the following. Coordination to remain a requirement of this Section.

1. Security or High Security keyed cylinders, including provisions for temporary construction keying, for mechanical override at access control locking hardware to be furnished under Division 8 Section "Door Hardware".

1.3 SUBMITTALS

- A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.
- B. System Operational Descriptions: Complete system operational narratives for the integrated access-controlled openings defining the owner's prescribed requirements for the opening functionality. Narratives include, but are not limited to, the following situations: normal secured/unsecured state of door; authorized access; authorized egress; unauthorized access; unauthorized egress; fire alarm and loss of power conditions, and interfaces with other building control systems.
- C. Shop Drawings: Details of electrified integrated locking hardware and access control firmware, indicating the following:
 1. Wiring Diagrams: Upon receipt of approved schedules, submit detailed system wiring diagrams for power, signaling, monitoring, communication and control of the access control system electrified hardware and firmware. Differentiate between manufacturer-installed and field-installed wiring. Include the following:
 - a. Elevation diagram of each unique access-controlled opening showing location and interconnection of major system components with respect to their placement in the respective door openings.

- b. Complete (risers, point-to-point) access control system block wiring diagrams.
- 2. Electrical Coordination: Coordinate with related Electrical Sections the voltages and wiring details required at electrically controlled and operated hardware openings.
- D. Proof of Certification: Upon request provide a copy of manufacturer(s) official certification or accreditation document indicating proof of status as a qualified and authorized provider of the primary access control components.
- E. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete access control and site management installation in quantity as required in Division 01, Closeout Submittals. The manual to include the name, address, and telephone number of the supplier/integrator providing the installation and the nearest service representatives for each item of equipment included in the system. The final copies delivered after completion of the installation test to include "as built" modifications made during installation, checkout, and acceptance.
 - 1. As-Built Drawings: During system installation, the Contractor to maintain a separate hard copy set of drawings, elevation diagrams, and wiring diagrams of the access control system to be used for record drawings. This set to be kept up to date by the Contractor with all changes and additions to the access control system accurately recorded.
- F. Warranties and Maintenance: Special warranties and maintenance agreements specified in this Section.

1.4 QUALITY ASSURANCE

- A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum of five (5) years of documented experience in providing access control and security systems equipment and software similar to that indicated for this Project and that have a proven record of successful in-service performance.
 - 1. Software and access control systems components to have been previously and thoroughly tested together with proven installations similar in size and functionality to the design requirements indicated for this Project.
- B. Supplier Qualifications: Supplier/Dealers, verifiably authorized and in good standing with the primary product manufacturers, with a minimum of three (3) years of experience supplying integrated access control systems similar in material, design, and scope to that indicated for this Project and whose work has resulted in construction with a proven record of successful in-service performance.
 - 1. ASSA ABLOY access control products are required to be supplied only through designated "Authorized Channel Partners."
 - a. List Qualified ACP Companies
- C. System Integrator Qualifications: Systems Integrators, verifiably factory trained and certified by the primary product manufacturers, with a minimum of three (3) years documented experience

installing complete integrated access control systems similar in material, design, and scope to that indicated for this Project and whose work has resulted in construction with a proven record of successful in-service performance. Qualifications include, but are not necessarily limited, to the following:

1. References: Provide a list of references for similar projects including contact name, phone number, name and type of project.
 2. Professional Staffing: Firms to have a dedicated access control systems integration department with full time, experienced professionals on staff experienced in providing on site consulting services for both electrified door hardware and integrated access control systems installations.
 3. Factory Training: Installation and service technicians are to be competent factory trained and certified personnel capable of maintaining the system.
 4. Service Center: Firms to have a service center capable of providing training, in-stock parts, and emergency maintenance and repairs at the Project site with 24-hour/7-days a week maximum response time.
- D. Installer Qualifications: Certified technicians, verifiably authorized with the primary product manufacturers for installation of IP-Enabled, Wireless, and Power-over-Ethernet Access Control products in accordance with documented instructions and NFPA 80.
1. ASSA ABLOY access control products are required to be installed only through designated "Preferred Installers."
- E. Source Limitations: Obtain the access control door hardware, system firmware and application software specified in this Section from a single source, qualified supplier/integrator unless otherwise indicated.
1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.
 2. Provide integrated access control door hardware from the same manufacturer as mechanical door hardware, unless otherwise indicated.
- F. Building Information Modeling (BIM) Qualifications: BIM software tools and processes are used to produce and support data integration of product and technical information used in specifications, submittals, project reviews, decision support, and quality assurance during all phases of Project design, construction, and facility management. Door and hardware schedules and the associated product data parameters are to be derived, updated, and fully integrated with the coordinated Building Information Modeling as required under Division 01.
- G. Regulatory Requirements: Comply with NFPA 70, NFPA 80, NFPA 101 and ANSI A117.1 requirements and guidelines as directed in the model building code including, but not limited to, the following:
1. Comply with NFPA 70 "National Electrical Code", including electrical components, devices, and accessories listed and labeled as defined in Article 100 by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
 2. Where indicated to comply with accessibility requirements, comply with Americans with Disabilities Act (ADA), "Accessibility Guidelines for Buildings and Facilities (ADAAG)," ANSI A117.1.

3. Comply with NFPA 101 "Life Safety Code" for doors in a means of egress.
4. Comply with NFPA 80 "Fire Doors and Windows" for fire labeled opening assemblies.
5. The installed access control system shall conform to all local jurisdiction requirements.

H. Keying Conference: Reference Division 8 Section "Door Hardware".

I. Pre-Submittal Conference: Conduct conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier/Dealer, Systems Integrator, and Contractor to review proper methods and procedures for receiving, handling, and installing the access control system hardware. At completion of installation, provide written documentation that components were applied to manufacturer's instructions and recommendations and according to approved schedules.

1. Inspect and discuss Division 26 electrical roughing-in and similar preparatory work performed by other trades.
2. Review and verify sequence of operation descriptions for each unique access controlled opening.
3. Review and finalize construction schedule and verify availability of materials.
4. Review the required inspecting, testing, commissioning, and demonstration procedures.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Do not store electronic access control hardware, software or related accessories at Project site without prior authorization.
1. Access control firmware and software: Where approved and directed, inventory upon receipt and store electronic access control equipment in a secure, temperature and humidity controlled environment in original manufacturer's sealed containers.
- B. Tag each item or package separately with identification related to the final Access Control Door Schedule, and include basic installation instructions with each item or package.
- C. Deliver permanent keys, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner established at the "Pre-Submittal Conference".

1.6 COORDINATION

- A. Coordinate quantity and arrangement of assemblies with ceiling space configuration and with components occupying ceiling space, including structural members, pipes, air-distribution components, raceways, cable trays, recessed lighting fixtures, and other items.
- B. Access Control System Electrical Coordination: Coordinate the layout and installation of scheduled electrified door hardware, and related access control equipment, with required connections to source power junction boxes, power supplies, detection and monitoring hardware and fire alarm system.

1. Door Hardware Interface: The card key access control system to interface and be connected to electronic door control hardware (electromechanical locks, electric strikes, magnetic locks, door position switches, other monitoring contacts, and related auxiliary control devices) as described under Division 8 "Door Hardware". Coordinate the installation and configuration of specified door hardware being monitored or controlled with the controls, software and access control hardware specified in this Section.
- C. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing electrified door hardware and access control system components. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing access control system hardware to comply with indicated requirements.
- D. Door and Frame Preparation: Related Division 08 Sections (Steel, Aluminum and Wood) doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.
- E. Building Information Modeling (BIM) Support: Utilize designated BIM software tools and obtain training needed to successfully participate in the Project BIM processes. All technical disciplines are responsible for the product data integration and data reliability of their Work into the coordinated BIM applications.

1.7 WARRANTY

- A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article will not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and are in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.
- B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of the installed access control system hardware and software that fails in materials or workmanship, including all related parts and labor, within specified warranty period after final testing and acceptance by the Owner. Failures include, but are not limited to, the following:
 1. Structural failures including excessive deflection, cracking, or breakage.
 2. Faulty operation of the hardware.
 3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 4. Electrical component defects and failures within the systems operation.
- C. Standard Warranty Period: One year from date of Substantial Completion, unless otherwise indicated.
- D. Special Warranty Periods (Electrified Access Control Door Hardware):
 1. Two years for Electrified, Wiegand Output, and IP-Enabled Access Control Door Hardware.

- E. Maintenance Support and Extended Service Agreement: Submit for Owner's consideration an optional extended Service Agreement for the installed access control system, including support for software related issues. The extended Service Agreement is considered elective and is without manufacturer's requirement stipulating mandatory coverage for owner and/or vendor system support.
 - 1. A published copy of this agreement to be included with the submittal package
 - 2. Support for the installed access control system components is provided through the vendor under a 24 hour technical assistance program.
 - 3. Access control and management system components are to be available on a one-day turn around time frame from the manufacturer.
 - 4. Primary systems manufacturer to offer and provide remote modem or internet access for direct factory support to the vendor. The factory level support to include diagnostics and troubleshooting support on systems related issues at no additional cost to the owner.
- F. Access Control Software Upgrades: Version upgrades and "fix" releases to the access control system software are available at no extra charge as long as the version of software provided under this specification remains the current manufacturer's version or for up to (2) years after a new version release.
 - 1. Major access control software revisions that provide new functionality to the product provided free of charge for up to one (1) year from the date of substantial completion.
 - 2. Access control system software is to be upgradable as may be required or as necessary, to expand and manage the owner's site or sites. Upgrades are to be offered at a published flat fee for the primary system software, with single license modules included in the primary fee structure. System upgrades offered at a costing structure based upon the original number of licensed modules issued, or on those to be purchased at a future date, are not allowed.
 - 3. As part of the submittal package, provide a list of available software upgrades and/or expansions modules. List to identify related costs for upgrades, or expansions to the original system, up to the next qualifying operational level.

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 the installed access control system hardware and components.
- B. Maintenance Service: Beginning at Substantial Completion, and running concurrent with the specified warranty period, provide continuous (6) months full maintenance by skilled employees of the Systems Integrator. Include repair or replacement of worn or defective components, lubrication, cleaning, and adjusting as required for proper door opening operation. Provide parts and supplies as used in the manufacture and installation of original products.

1.9 SCOPE OF WORK

- A. On-Line Electronic Access Control System: Furnish and install at the indicated locations the specified electrified and integrated door hardware and access control firmware and software for

a completely operational access control and security site management system. System includes, but is not necessarily limited, to the following:

1. Electrified integrated card reader locks and exit hardware, permanent and temporary override cylinders, network control processors, reader controller panels, I/O monitor/control interfaces, door position switches, remote card readers, keypads, and display terminals, access cards and credentials, system application software, special tools, operating manuals, and required cabling and accessories as detailed below and listed in the Access Control Hardware Sets at the end of Part 3.
 - a. Provide the appropriate number of reader controller panels and I/O monitoring/control expansion interfaces as needed to handle the number of card readers, locking devices, door status devices, and identified alarm inputs specified in this section, and as shown on the security drawings.
 - b. Provide manufacturer approved integrated card reader locks, exit hardware, and remote mounted card readers, keypads, and display terminals that are functionally compatible with the specified access control equipment interfaces.
2. Access control system equipment to be installed in an enclosure box compatible with the specified components. This enclosure to include, but is not necessarily limited to, the network control processor, I/O monitor/control interface panels, power supplies, terminal strips, wire ducts, keyed lock cylinder, integrated outlet for A/C power, and standoffs.
 - a. Enclosure box to be located in the designated IT/Telecom room(s) with connection to local area network for communication back to the central server host.
3. Owner to provide the following:
 - a. Central server host computer, client workstations, and hardware peripherals to be from an approved, major line computer manufacturer. Specific information detailing compliance with system requirements to be included in the project submittal package as specified.
 - b. Owner will be responsible for ensuring that each computer hardware component includes the required interfaces, expansion boards, and peripherals that will be necessary to allow the system to operate as described within this specification and as indicated on the drawings.
 - c. Power Sourcing and Network Switches: Quantity as required to accommodate installed access control (and video surveillance) devices.
 - d. Network Control Processor Connections:
 - 1) LAN/Ethernet communication ports (jacks) and network interface cards as needed, CAT5e cabling from network router/switch to network control processor, outlet and cover plates and/or patch cables required for network connection within each designated IT/Telecom room.
 - 2) Required static IP addresses.
4. Power Supplies, including battery back up and separately fused surge protection, required for the electrified door hardware and access control equipment.
5. Installation, final configuration and commissioning of electrified door and access control system hardware, communication firmware, power supplies and related accessories.

6. System application software including installation, programming, and end user training of the access control system demonstrating operating, repair, and maintenance procedures. Include no fewer than 8 hours of on-site central server training for designated personnel (facilities maintenance, security, IT, administration) by a factory certified representative.
7. Provide manufacturer required power controllers, interface boards, and programming that may be required for approved electric latch retraction exit devices supplied under Division 08 Section "Door Hardware."
8. Electrical contractor, Division 26, to provide the following:
 - a. Source power wiring (120VAC) as required for the electrified locking and access control hardware, equipment, accessories and power supplies. This includes quad outlets as required on a dedicated circuit in the designated IT/Telecom room(s) and the related conduit, stub-in, junction boxes and connectors required for the source power delivery and connections.
 - b. Provide required conduit, stub-in, junction and back boxes for both the electrified locking hardware and access control equipment at each of the access controlled or monitored openings per plan drawings and specs. Supply and install conduit between each of the aforementioned devices and between the electrical junction boxes, power supplies and access control equipment located on or above the door opening.
 - 1) At wall mounted remote readers, provide conduit on the secured side of the door, 36" from the finish floor and 6" from the edge of the frame, to the related power supplies and access control equipment.
 - 2) At electrical hardware power transfers provide conduit on the secured side of the opening from the power transfer, thru-wire hinge, or serviceable panel location on the frame jamb to the related power supplies and access control equipment.
 - c. Electrical Contractor to provide all 120VAC cabling connections and terminations from the electrical junction boxes to these electrical devices.
9. Access Control System Integrator to provide the following:
 - a. Low voltage wiring (12/24VDC) and communication cabling (RS-232/RS-485) from network control processors to reader controllers, I/O monitor/control interface panels, electrified and integrated locking hardware, remote card readers, keypads, or display terminals, monitoring and signaling switches, and power supplies. Work includes related connectors, final terminations, and hook-ups required for a complete and functional access controlled opening in accordance with applicable codes and specified system operational narratives.
10. Elevator Contractor to provide the following:
 - a. Interface or landing of interface cable onto the elevator call button will be performed by a certified elevator contractor.
 - b. Coordinate with access control systems integrator provisions for a card reader with output allowing the elevator call button to be activated. A validated card read will be required for activation.

11. Full and seamless integration of the site intrusion alarm service if applicable, with the installed site access control system software.
12. Final connections to fire alarm system, if required, by electrical and fire alarm system contractors.
13. Provide permits, submittals and approvals required by the authority having jurisdiction, prior to commencing with work.
14. Provide manufacturer required power controllers, interface boards, and programming that may be required for approved electric latch retraction exit devices supplied under Division 08 Section "Door Hardware."
15. Electrical contractor (Division 26) to provide the following:
 - a. Provide required conduit, stub-in, junction and back boxes for both the electrified locking hardware and access control equipment at each of the access controlled or monitored openings per plan drawings and specs. Supply and install conduit between each of the aforementioned devices and between the electrical junction boxes, power supplies and access control equipment located on or above the door opening.
 - 1) At off-line remote readers, provide conduit on the secured side of the door, 36" from the finish floor and 6" from the edge of the frame, to the related power supplies and access control equipment.
 - 2) At electrified hardware power transfers provide conduit on the secured side of the opening from the power transfer, thru-wire hinge, or serviceable panel location on the frame jamb to the related power supplies and access control equipment.
 - b. Electrical Contractor to provide all 120VAC cabling connections and terminations from the electrical junction boxes to these electrical devices.
16. Access Control System Supplier to provide the following:
 - a. Low voltage wiring (12/24VDC) for the electrified locking hardware, remote card readers, monitoring and signaling switches, and power supplies. Work includes related connectors, final terminations and hook-ups required for a complete and functional access-controlled opening in accordance with applicable codes and specified system operational narratives.
17. Typical System Requirements (Owner Provided): Central server host computer, client workstations, and hardware peripherals to be from an approved, major line computer manufacturer. Specific information detailing compliance with system requirements to be included in the project submittal package as specified.

PART 2 - PRODUCTS

2.1 POWER OVER ETHERNET ACCESS CONTROL

- A. IP Enabled Power-over-Ethernet (PoE) Integrated Card Reader Mortise Lock: IP enabled ANSI/BHMA A156.13 Grade 1 mortise lockset with integrated credential reader, request-to-

exit, and door position signaling in one complete unit. Motor driven locking/unlocking control of the lever handle trim, 3/4" projection latchbolt, and optional 1" steel deadbolt. Lock is U.L. listed and labeled for use on up to 3 hour fire rated openings. Available with or without keyed high security cylinder override.

1. Completely intelligent and integrated locking unit with Ethernet power and communication connection capability directly from the locking unit back to the central system host server without additional access control interfaces or components (excluding PoE Endspan and Midspan devices) via an existing or newly installed IEEE 802.3af PoE enabled network.
2. Open architecture design supports wired integration with third party access control systems applications via software development kit (SDK). Real-time software accessible alarms for forced door, unknown card and door held open, with inside lever handle (request-to-exit), battery status, tampering, and door position (open/closed status) monitoring.
3. 2,400 users and 10,000 event transaction history (audit trail). Distributed intelligence allows stand alone operation in absence of network communication allowing for system operational redundancy.
4. Provide a network and lock configuration CD tool kit for initial lock setup and programming via a USB connection.
5. Energy Efficient Design: Provide lock bodies which have a holding current draw of 15mA maximum, and can operate on either 12 or 24 volts. Locks are to be field configurable for fail safe or fail secure operation.
6. Integrated reader supports the following credentials:
 - a. 125kHz proximity credentials: HID, AWID, Indala, and EM4102.
 - b. 13.56 MHz contactless credentials: HID iClass, HID iClass SE, HID iClass Seos, SIO on MIFARE Classic, SIO on MIFARE DESFire EV1, MIFARE Classic, DESfire EV1, NFC-enabled mobile phones, Bluetooth Smart-enabled mobile phones.
7. Optional push-button keypad for PIN only usage or dual authentication requirements.
8. Communication between access control system and device is protected by AES 128 bit encryption via the SDK. Programmable for time zones, holidays, and automatic unlocking.
9. Power and communication from one Ethernet (CAT5e or higher) cable. Compliant with 802.3af Class 1 device specifications requiring 3.84 watts for Power over Ethernet.
10. Supports real-time system lockdown capabilities. Inside lever retracts latch bolt and deadbolt simultaneously.
11. High security mechanical key provides emergency override retraction of latchbolt without need for electronic activation.
12. Ethernet system framework, network cabling, mounting boxes, PoE end-span/mid-span, electrical hard wiring, grounding, and connections are required for complete system functionality. All system components are by others and are specified elsewhere.
 - a. Power Requirement: PoE Class 2, maximum 7 watts.
 - b. Network Cabling Requirements: Cat5e or higher meeting or exceeding ANSI/TIA/EIA-568-C. 24 AWG Plenum rated.
 - c. Bonding and Grounding: Meet or exceed TIA-607-B requirements. Connect device ground cable to building electrical earth ground.

- d. Network Surface Mount Box: Meet or exceed ANSI/TIA/EIA-568-C requirements. Cat5e or higher (RJ45).

13. Manufacturers:

- a. Sargent Manufacturing (SA) - IN220 Series.

2.2 POWER SUPPLIES

- A. Switching Power Supplies: Switching Power Supplies: Provide the least number of power supplies at the appropriate amperage level sufficient to exceed the required total draw for the specified electrified hardware and access control equipment.

1. Power supplies shall meet all functions and features as specified herein.

- a. UL listed dual voltage 12 or 24 VDC field selectable continuous output.
- b. Tolerates brownout or overvoltage input $\pm 15\%$ of nominal voltage.
- c. Thermal shutdown protection with auto restart.
- d. Circuit breaker protection against overcurrent and reverse battery faults.
- e. Integrated battery charging circuit to prevent overvoltage on locking devices.
- f. Available with a single relay fire trigger or individually triggered relayed outputs.
- g. Monitoring options as specified.

2. Manufacturers:

- a. Altronix (AS) - Maximal 3.
- b. Life Safety Power (LP).
- c. Securitron (SU) - AQD Series.
- d. No Substitution.

- B. Intelligent Switching Power Supplies: Provide the least number of power supplies at the appropriate amperage level sufficient to exceed the required total draw for the specified electrified hardware and access control equipment.

1. Power supplies shall meet all functions and features as specified herein.

- a. UL listed dual voltage 12 or 24 VDC field selectable continuous output.
- b. Dedicated fast charger to prolong battery life with low battery cutoff to protect batteries from deep discharge.
- c. Enhanced surge immunity for input/output protection
- d. Separate, dedicated battery charging circuit to keep locks cooler.
- e. Dual-color LED visual notification to prevent applying incorrect voltages to the power supply.
- f. Instant auto-switch to battery on AC loss.
- g. Expandable up to 16 outputs in the standard enclosure
- h. Integrated fire alarm interface to allow main output shutdown or disconnect on a per output basis when using an R8 output module.
- i. Network ready and remotely manage locks and connected devices when using an M8 managed output module on network models.

- j. Lifetime replacement, no-fault, no questions asked warranty.
- 2. Manufacturers:
 - a. Altronix (AS) - Maximal 11F.
 - b. Life Safety Power (LP).
 - c. Securitron (SU) - AQL Series.
 - d. No Substitution.
- C. Power Over Ethernet Accessories: Power over Ethernet (PoE) injectors and extractors designed for access control and security applications.
 - 1. Injectors shall meet all functions and features as specified herein.
 - a. Power PoE devices from a non-PoE source operating from a low voltage 24VAC or 24VDC input.
 - b. UL listed and RoHS compliant.
 - c. Visual diagnostics via on board LED.
 - 2. Extractors shall meet all functions and features as specified herein.
 - a. Provide 12VDC up to a maximum of 25W output power to a non-PoE device from a PoE source.
 - b. Provide RJ45 connectors for data input and output and two terminal strips for the DC output and power level selection.
 - c. Selectable 13W or 25W output.
 - d. UL listed and certified.
 - e. Visual diagnostics via on board LED.
 - 3. Manufacturers:
 - a. LifeSafety Power (LP) - NP Series.
 - b. Securitron (SU) - AQE Series.
 - c. No Substitution.

2.3 CABLES AND WIRING

- A. Comply with Division 27 Section "Conductors and Cables for Electronic Safety and Security."
- B. Data Line Supervision: System to include alarm initiation capability in response to opening, closing, shorting, or grounding of data transmission lines.
- C. Install appropriate number of conductor pairs, in the wire gage (AWG) recommended by manufacturer, corresponding to the electronic locking functions specified, amperage drawn and distances covered between the power supplies, power transfer devices, electrified hardware and access control equipment.

2.4 ACCESS CONTROL HARDWARE FINISHES

- A. Standard: Comply with BHMA A156.18.
- B. Protect mechanical finishes on exposed surfaces from damage by applying temporary protective coverings before shipping.
- C. Where specified, finishes on integrated card key locksets or exit hardware to incorporate an FDA recognized antimicrobial coating (i.e., MicroShield™) listed for use on equipment as a suppressant to the growth and spread of a broad range of bacteria, algae, fungus, mold and mildew.
- D. BHMA Designations: Comply with base material and finish as specified.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance of the installed access control system.
- B. Examine roughing-in for electrical source power to verify actual locations of wiring connections before electrified and integrated access control door hardware installation.
- C. Examine roughing-in for LAN and control cable conduit systems to PCs, controllers, card readers, and other cable-connected devices to verify actual locations of conduit and back boxes before device installation.
- D. Notify architect of any discrepancies or conflicts between the specifications, drawings and scheduled access controlled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

3.2 PREPARATION

- A. Doors and frames at scheduled access controlled openings to be properly prepared to receive specified electrified and access control hardware and connections without additional in-field modifications.

3.3 INSTALLATION

- A. Install each item of electronic integrated door hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.
- B. Mounting Heights: Mount electronic integrated door hardware units at heights indicated in following applicable publications, unless specifically 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."
3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."

C. Boxed Power Supplies: Verify locations.

1. Configuration: Provide the least number of power supplies required to adequately serve doors with access control hardware and equipment.

D. Final connect the system control switches (integrated card key locking hardware, remote readers, keypads, display terminals, biometrics), and monitoring, and signaling equipment to the related Controller devices at each opening to properly operate the electrified door and access control hardware according to system operational narratives.

E. Retrofitting: Install each door hardware and access control item to comply with manufacturer's published templates and 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 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.

F. System Application Software: Install, and test application(s) software and databases for the complete and proper operation of systems involved. Assign software license(s) to Owner.

3.4 FIELD QUALITY CONTROL

A. Field Inspection (Punch Report): Reference Division 01 Sections "Closeout Procedures". Produce project punch report for each installed door opening indicating compliance with approved submittals and verification hardware is properly installed, operating and adjusted. Include list of items to be completed and corrected, indicating the reasons or deficiencies causing the Work to be incomplete or rejected.

1. Organization of List: Include separate Door Opening and Deficiencies and Corrective Action Lists organized by Mark, Opening Remarks and Comments, and related Opening Images and Video Recordings.
2. Submit documentation of incomplete items in the following formats:
 - a. PDF electronic file.
 - b. Electronic formatted file integrated with the Openings Studio™ door opening management software platform.

B. Fire Door Assembly Inspection: Reference Division 01 Sections "Closeout Procedures". Conduct an initial fire door assembly inspection, including documentation reporting, upon completion of door hardware installation according to NFPA 80 Standard for Fire Doors and Other Opening Protectives, paragraph 5.2.4, requirements.

- C. Opening Tags: Provide readable, QR-type label with password protected link-out to Openings Studio™ BIM software suite and the installed door and hardware information. Affix label to door frame as instructed by architect or owner.
- D. Commissioning and Testing Schedule: Prior to final acceptance of the access control system installation, the following testing and documentation to be performed and provided to the Owner.
 - 1. Inspection: Verify that units and controls are properly installed, connected, and labeled and that interconnecting wires and terminals are identified.
 - 2. Pre-testing: Program and adjust the system and pretest all components, wiring, and functions to verify they conform to specified requirements. Provide testing reports indicating devices tested, pass/fail status, and actions taken to resolve problem(s) on failed tests.
 - 3. Acceptance Test Schedule: Correct deficiencies identified by tests and observations and retest until specified requirements are met.
 - 4. Provide “as designed” drawings showing each device and wiring connection and electronic enclosure legends indicating cabling in and out.
 - 5. Provide a complete set of operating instructions for access control hardware devices and a complete software user manual. The documentation includes module reference guides for each electronic enclosure.

3.5 ADJUSTING

- A. Adjust and check each operating item of integrated access control door hardware, and each door opening to ensure proper secured operation and function of every unit. Replace units that cannot be adjusted to operate as intended.

3.6 CLEANING AND PROTECTION

- A. Clean adjacent surfaces soiled by access control system installation.
- B. Clean operating items as necessary to restore proper finish and provide final protection and maintain conditions that ensure access control door hardware is without damage or deterioration at time of owner occupancy.

3.7 DEMONSTRATION

- A. Engage an authorized systems manufacturer representative to train Owner's maintenance personnel to adjust, operate, and maintain electronic integrated door hardware and the access control system.

3.8 ACCESS CONTROL HARDWARE SETS

- A. The access control system hardware sets listed below represent the design intent and direction of the owner, architect, and security consultant (as applicable). They are intended as a guideline

only and should not be considered a detailed opening schedule. Discrepancies, conflicting, and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.

- B. The supplier is responsible for handing and sizing all products and providing the correct option for the appropriate door type and material where more than one is presented in the hardware sets. Quantities listed are for each pair of doors, or for each single door.
- C. MATERIALS ARE SPECIFIED IN ACCORDANCE WITH THE PREMIER/ASSA ABLOY GPO CONTRACT #PP-FA-944.
- D. Refer to Section 080671, Door Hardware Sets, for hardware sets.

END OF SECTION 281500



**BOOKSTORE PSYCHOLOGY
SWING SPACE
FOR CONSTRUCTION**

[illegible]

2/05/2025	ADDENDUM 03	1
ISSUE		

UPPER LEVEL FLOOR PLAN

COPYRIGHT © 2024	
GOODY CLANCY PROJECT NUMBER: 24006	
FILE NAME:	
DRAWN: XC,SG	DATE: 02/05/2024
CHECKED: JB	SCALE: 1/4" = 1'-0"
DRAWING NO.:	

A1.01

LEGEND

AREA NOT IN SCOPE

EXISTING WALL TO REMAIN

PARTITION

DOOR AND FRAME

DRY RESEARCH SHELVES (WS2) 14" x 30"

WET RESEARCH CABINETS (CB1) 12" x 24"

ELECTRICAL RACEWAYS

FLOOR PLAN GENERAL NOTES

- GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS OF EXISTING ELEMENTS IN FIELD. NOTIFY ARCHITECT OF DISCREPANCIES THAT AFFECT REQUIRED CLEARANCES OR DESIGN INTENT.
- REFER TO A7 SERIES FOR TYPICAL INTERIOR ELEVATIONS.
- REFER TO A8.00 FOR PARTITION TYPES AND TYPICAL DETAILS. FIRE RATINGS ARE NOTED ON THE LIFE SAFETY DRAWINGS.
- REFER TO A8.10 FOR TYPICAL DOOR TYPES AND SCHEDULE.
- REFER TO A9 SERIES FOR REFLECTED CEILING PLANS.
- REFER TO A10 SERIES FOR FINISHES.
- FOR CLARITY, ACOUSTICAL INSULATION IN WALLS IS NOT SHOWN IN FLOOR PLANS. SEE PARTITION TYPES FOR LOCATIONS.
- TYPICAL INTERIOR WALLS ARE AS FOLLOWS, U.N.O.:
 - TYPICAL INTERIOR WALL - TYPE 33
 - TYPICAL WALL ACCESSIBLE FROM ONE SIDE ONLY - TYPE 23
 - TYPICAL MECHANICAL SHAFT WALLS - TYPE 64, 2HR RATED
- INTERIOR PARTITIONS THAT FALL ON COLUMN LINES SHALL BE CENTERED ON THE COLUMN LINE, UNLESS NOTED OTHERWISE.
- ALL DIMENSIONS ARE TO FACE OF FINISH, UNLESS NOTED OTHERWISE.
- DOORS ARE TO BE LOCATED 4" FROM CORNER OF ROOM, UNLESS NOTED OTHERWISE.
- SEPARATE ALL RECEPTACLES AND BACK BOXES BY AT LEAST ONE STUD BAY - DO NOT LOCATE BOXES BACK-TO-BACK OR WITHIN THE SAME STUD BAY. PROVIDE ACOUSTICAL BACKER BOXES AT OUTLETS LOCATED IN SOUND-RATED PARTITIONS.
- EXTEND FLOOR FINISH UNDER ALL CASEWORK. APPLY SPECIFIED BASE TO ALL EXPOSED SIDES OF CASEWORK, INCLUDING KNEE SPACES.
- FURNITURE IS SHOWN FOR COORDINATION ONLY. NOT IN CONTRACT. SEE FURNITURE PLANS FOR FURNITURE LOCATIONS.
- SEE A10.00 TACK BOARD AND MARKER BOARD LOCATIONS.
- PROVIDE SOLID WOOD BLOCKING AT ALL WALL MOUNTED DOOR STOP LOCATIONS, CASEWORK MOUNTING LOCATIONS, AV DISPLAY LOCATIONS, AND OTHER LOCATIONS AS NOTED ON THE DRAWINGS AND SPECIFICATIONS.

10' - 7 1/2" 2' - 1" 3' - 6" 2' - 6 3/4" 6' - 10 1/2" 14' - 0 3/4" 20' - 8" 6' - 4" 26' - 2 1/2" 0' - 9 1/2" 0' - 10"

16' - 10 1/2" 11' - 5 5/8" 11' - 11 3/4" +/- 10' - 4 1/8"

18' - 6" +/- 27' - 0"

4' - 11" - 6 1/4" 11' - 9 7/8"

5' - 4 7/8" 9' - 0" 3' - 10" 3' - 10" 8' - 2 7/8" 5' - 1" 5' - 0" 5' - 2" 10' - 10 1/4" 6' - 3 7/8"

1' - 4 1/2" 2' - 4 1/2" 9' - 4" 2' - 4"

1002F 1002E 1002A 1002B 1002C 1002D 1002G 1002H 1002I 1002J 1002K 1002L 1002M 1002N 1002O 1002P 1002Q 1002R 1002S 1002T 1002U 1002V 1002W 1002X 1002Y 1002Z

1000 1000A 1000B 1000C 1000D 1000E 1000F 1000G 1000H 1000I 1000J 1000K 1000L 1000M 1000N 1000O 1000P 1000Q 1000R 1000S 1000T 1000U 1000V 1000W 1000X 1000Y 1000Z

1005 1005A 1005B 1005C 1005D 1005E 1005F 1005G 1005H 1005I 1005J 1005K 1005L 1005M 1005N 1005O 1005P 1005Q 1005R 1005S 1005T 1005U 1005V 1005W 1005X 1005Y 1005Z

1006 1006A 1006B 1006C 1006D 1006E 1006F 1006G 1006H 1006I 1006J 1006K 1006L 1006M 1006N 1006O 1006P 1006Q 1006R 1006S 1006T 1006U 1006V 1006W 1006X 1006Y 1006Z

1007 1007A 1007B 1007C 1007D 1007E 1007F 1007G 1007H 1007I 1007J 1007K 1007L 1007M 1007N 1007O 1007P 1007Q 1007R 1007S 1007T 1007U 1007V 1007W 1007X 1007Y 1007Z

1008 1008A 1008B 1008C 1008D 1008E 1008F 1008G 1008H 1008I 1008J 1008K 1008L 1008M 1008N 1008O 1008P 1008Q 1008R 1008S 1008T 1008U 1008V 1008W 1008X 1008Y 1008Z

1009 1009A 1009B 1009C 1009D 1009E 1009F 1009G 1009H 1009I 1009J 1009K 1009L 1009M 1009N 1009O 1009P 1009Q 1009R 1009S 1009T 1009U 1009V 1009W 1009X 1009Y 1009Z

1010 1010A 1010B 1010C 1010D 1010E 1010F 1010G 1010H 1010I 1010J 1010K 1010L 1010M 1010N 1010O 1010P 1010Q 1010R 1010S 1010T 1010U 1010V 1010W 1010X 1010Y 1010Z

1011 1011A 1011B 1011C 1011D 1011E 1011F 1011G 1011H 1011I 1011J 1011K 1011L 1011M 1011N 1011O 1011P 1011Q 1011R 1011S 1011T 1011U 1011V 1011W 1011X 1011Y 1011Z

1012 1012A 1012B 1012C 1012D 1012E 1012F 1012G 1012H 1012I 1012J 1012K 1012L 1012M 1012N 1012O 1012P 1012Q 1012R 1012S 1012T 1012U 1012V 1012W 1012X 1012Y 1012Z

1013 1013A 1013B 1013C 1013D 1013E 1013F 1013G 1013H 1013I 1013J 1013K 1013L 1013M 1013N 1013O 1013P 1013Q 1013R 1013S 1013T 1013U 1013V 1013W 1013X 1013Y 1013Z

1014 1014A 1014B 1014C 1014D 1014E 1014F 1014G 1014H 1014I 1014J 1014K 1014L 1014M 1014N 1014O 1014P 1014Q 1014R 1014S 1014T 1014U 1014V 1014W 1014X 1014Y 1014Z

1015 1015A 1015B 1015C 1015D 1015E 1015F 1015G 1015H 1015I 1015J 1015K 1015L 1015M 1015N 1015O 1015P 1015Q 1015R 1015S 1015T 1015U 1015V 1015W 1015X 1015Y 1015Z

1016 1016A 1016B 1016C 1016D 1016E 1016F 1016G 1016H 1016I 1016J 1016K 1016L 1016M 1016N 1016O 1016P 1016Q 1016R 1016S 1016T 1016U 1016V 1016W 1016X 1016Y 1016Z

1017 1017A 1017B 1017C 1017D 1017E 1017F 1017G 1017H 1017I 1017J 1017K 1017L 1017M 1017N 1017O 1017P 1017Q 1017R 1017S 1017T 1017U 1017V 1017W 1017X 1017Y 1017Z

1018 1018A 1018B 1018C 1018D 1018E 1018F 1018G 1018H 1018I 1018J 1018K 1018L 1018M 1018N 1018O 1018P 1018Q 1018R 1018S 1018T 1018U 1018V 1018W 1018X 1018Y 1018Z

1019 1019A 1019B 1019C 1019D 1019E 1019F 1019G 1019H 1019I 1019J 1019K 1019L 1019M 1019N 1019O 1019P 1019Q 1019R 1019S 1019T 1019U 1019V 1019W 1019X 1019Y 1019Z

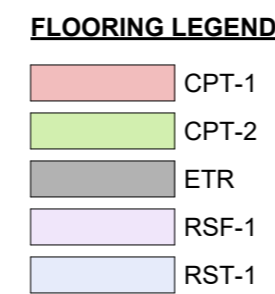
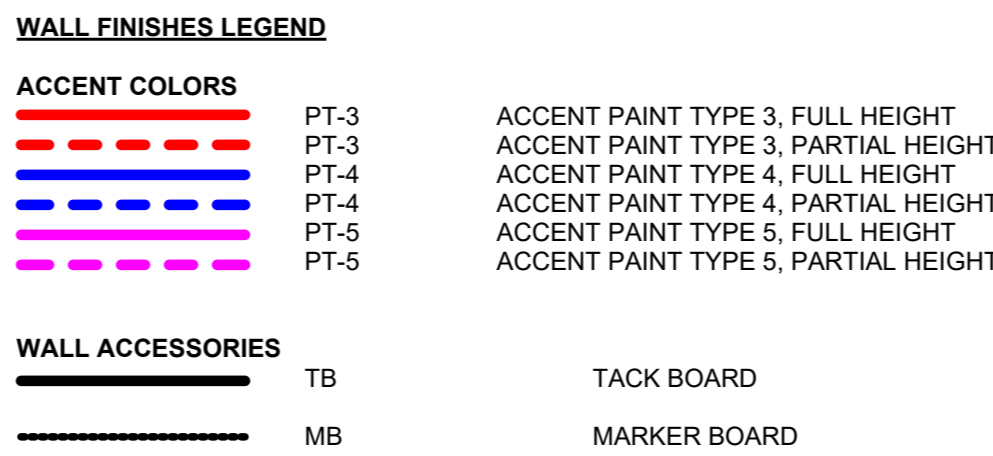
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1021 102

FINISH DESIGNATION	SPEC SECTION	MATERIAL TYPE	MANUFACTURER	PRODUCT	COLOR	TYPICAL LOCATIONS	REMARKS
FLOOR FINISH							
CPT-1	096813	CARPET TILE	TARKEIT	ELECTRI EDIT 11611	ARMOR 22402	CIRCULATION	-
CPT-2	096813	CARPET TILE	TARKEIT	FLAME EDIT 11612	ARMOR 22402	DRY RESEARCH, OFFICE, SOCIAL CULTURAL TESTING	-
RSF-1	096500	RESILIENT SHEET FLOORING	TARKEIT	21020 967 MELODIA	Nimbus	TESTING ROOMS, WET RESEARCH	-
RST-1	096500	RESILIENT STAIR TREADS	TARKEIT	JOHNSONITE ANGLE FIT RUBBER STAIR TREAD WITH INTEGRATED RISER	38 Pewter	STAIR	-

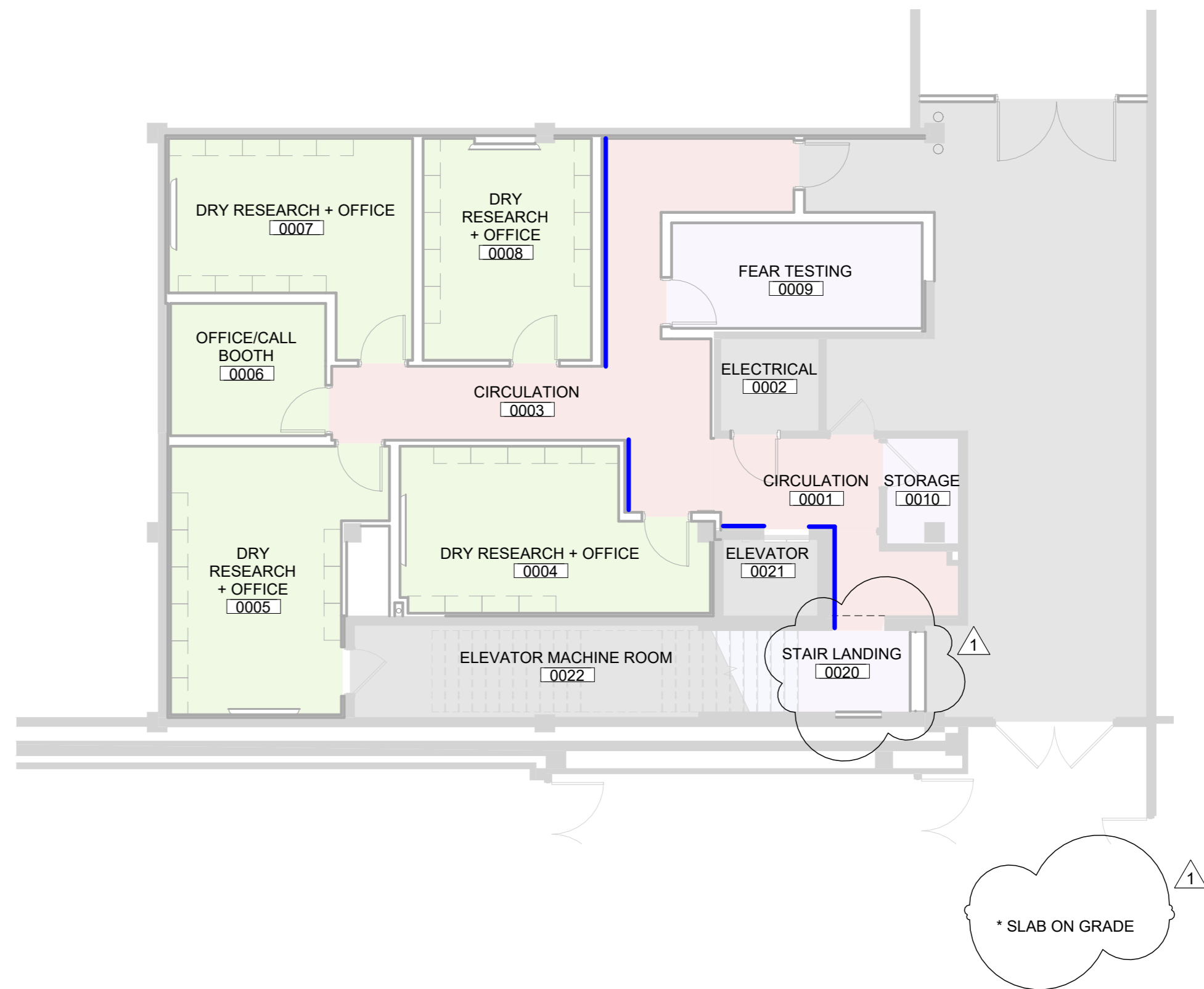
BASE FINISH							
RB-1	096500	RUBBER	ROPPE	PINNACLE - TYPE TS	150 DARK GREY	CIRCULATION	-
RB-2	096500	RUBBER	ROPPE	PINNACLE - TYPE TS		DRY RESEARCH, OFFICE, TESTING, WET RESEARCH, OBSERVATION	-
RB-3	096500	RUBBER	ROPPE	PINNACLE - TYPE TS		STAIR, STORAGE, ELECTRICAL	-
WD-1	064020	HARDWOOD	-	-		SOCIAL CULTURAL TESTING	-

WALL FINISH									
PT-1	099100	PAINTING	SHERWIN WILLIAMS	-	-	-	-	-	-
PT-2	099100	PAINTING	SHERWIN WILLIAMS	SW 6840	EXUBERANT PINK	-	-	-	-
PT-3	099100	PAINTING	SHERWIN WILLIAMS	SW 6825	IZMIR PURPLE	-	-	-	-
PT-4	099100	PAINTING	SHERWIN WILLIAMS	SW 7074	SOFTWARE	-	-	-	-
PT-5	099100	PAINTING	BENJAMIN MOORE	133	NEW DAWN	-	-	-	-

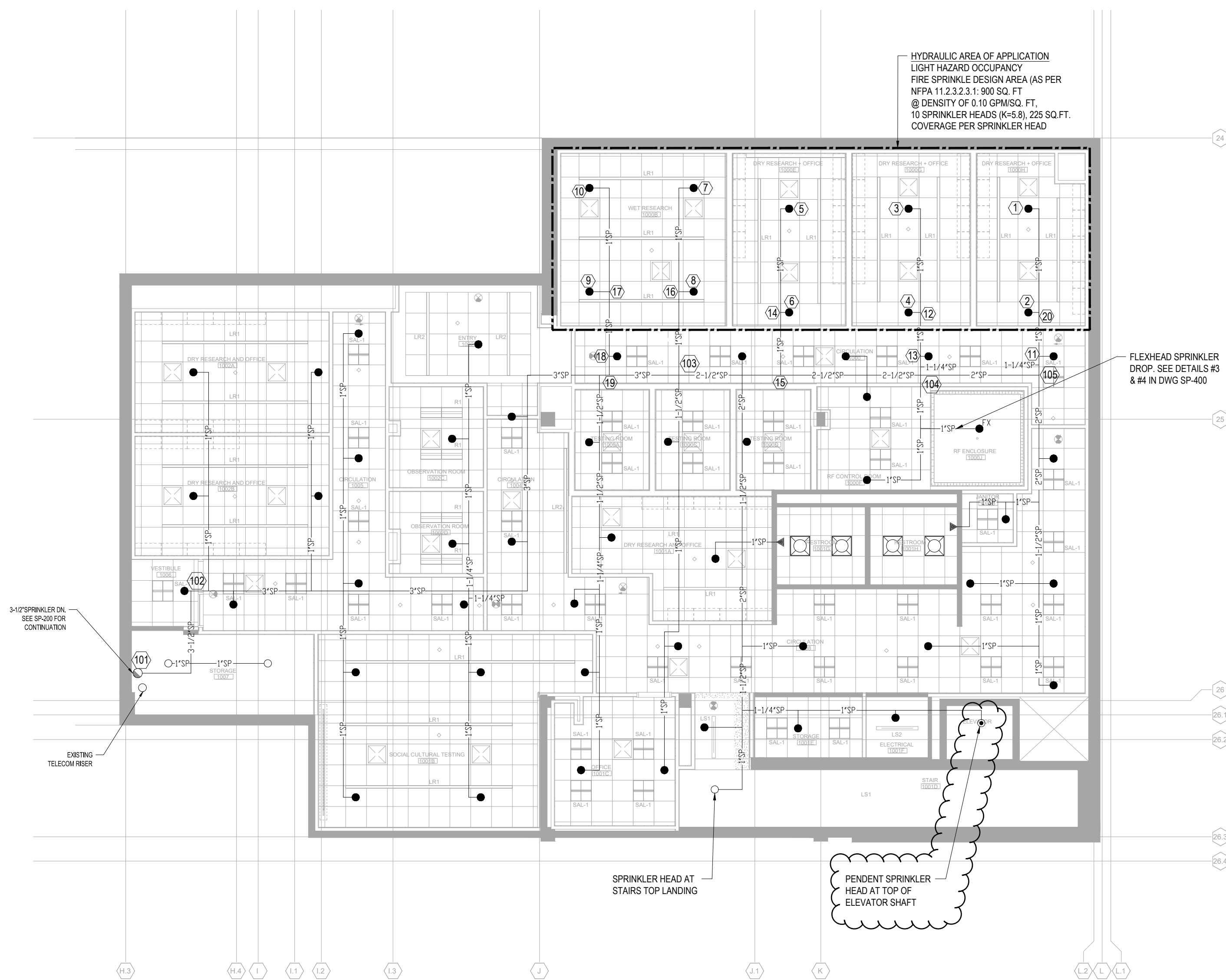
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2 UPPER LEVEL FINISH PLAN
Scale: 1/8" = 1'-0"

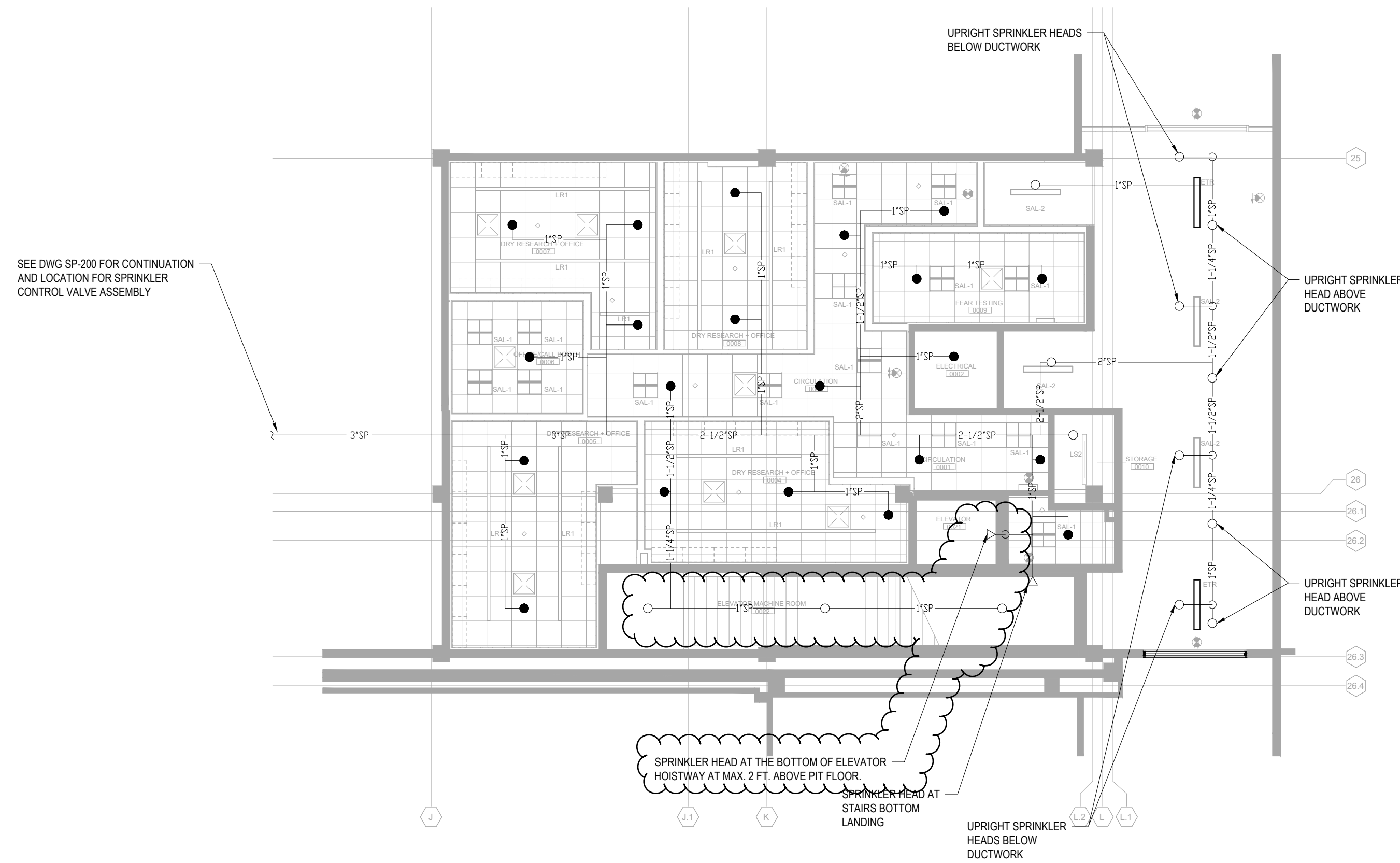
RM. NO.	ROOM NAME	FLOOR MATL	BASE MATL	WALL MATL	RFS_CEILING CODE	REMARKS
LOWER LEVEL						
0001	CIRCULATION	CPT-1	RB-1	PT-1/PT-4	ACT-1	
0002	ELECTRICAL	ETR	ETR	ETR	ETR	
0003	CIRCULATION	CPT-1	RB-1	PT-1/PT-4	ACT-1	
0004	DRY RESEARCH + OFFICE	CPT-2	RB-2	PT-1	ACT-1	
0005	DRY RESEARCH + OFFICE	CPT-2	RB-2	PT-1	ACT-1	
0006	OFFICE/CALL BOOTH	CPT-2	RB-2	PT-1	ACT-1	
0007	DRY RESEARCH + OFFICE	CPT-2	RB-2	PT-1	ACT-1	
0008	DRY RESEARCH + OFFICE	CPT-2	RB-2	PT-1	ACT-1	
0009	FEAR TESTING	RSF-1	RB-3	PT-1	NONE	
0010	STORAGE	RSF-1	RB-3	PT-1	NONE	
0011	CIRCULATION	CPT-1	RB-1	PT-1/PT-4	ACT-1	
0014	STAIR	RST-1	RB-3	PT-1	GWB-2	
0020	STAIR LANDING	RSF-1	RB-3	PT-1	GWB-2	
0021	ELEVATOR	ETR	ETR	ETR	ETR	
0022	ELEVATOR MACHINE ROOM	ETR	ETR	ETR	ETR	
0030	SERVICE TUNNEL	ETR	ETR	ETR	ETR	
LEVEL 1						
0012	STAIR LANDING	RSF-1	RB-3	PT-1	GWB-2	
0013	STAIR LANDING	RSF-1	RB-3	PT-1	GWB-2	
1000	CIRCULATION	CPT-1	RB-1	PT-1/PT-4	ACT-1	
1000A	TESTING ROOM	RSF-1	RB-2	PT-1	ACT-1	
1000B	WET RESEARCH	RSF-1	RB-2	PT-1	ACT-2	
1000C	TESTING ROOM	RSF-1	RB-2	PT-1	ACT-1	
1000D	TESTING ROOM	RSF-1	RB-2	PT-1	ACT-1	
1000E	DRY RESEARCH + OFFICE	CPT-2	RB-2	PT-1	ACT-1	
1000F	RF CONTROL ROOM	RSF-1	RB-2	PT-1	ACT-1	
1000G	DRY RESEARCH + OFFICE	CPT-2	RB-2	PT-1	ACT-1	
1000H	DRY RESEARCH + OFFICE	CPT-2	RB-2	PT-1	ACT-1	
1000J	RF ENCLOSURE	RSF-1	RB-2	BY MFR.	BY MFR.	
1001A	DRY RESEARCH AND OFFICE	CPT-2	RB-2	PT-1	ACT-1	
1001B	SOCIAL CULTURAL TESTING	CPT-2	WD-1	PT-1	ACT-1	
1001C	OFFICE	CPT-2	RB-2	PT-1	ACT-1	
1001D	STAIR	RST-1	RB-3	PT-1	GWB-2	
1001E	STORAGE	RSF-1	RB-3	PT-1	NONE	
1001F	ELECTRICAL	RSF-1	RB-3	PT-1	NONE	
1001G	RESTROOM	ETR	ETR	ETR	ETR	
1001H	RESTROOM	ETR	ETR	ETR	ETR	
1001J	ELEVATOR	ETR	ETR	ETR	ETR	
1002	ENTRY	CPT-2	RB-2	PT-1	ACT-1	
1002A	DRY RESEARCH AND OFFICE	CPT-2	RB-2	PT-1	ACT-1	
1002B	DRY RESEARCH AND OFFICE	CPT-2	RB-2	PT-1	ACT-1	
1002C	OBSERVATION ROOM	RSF-1	RB-2	PT-1/PT-5	ACT-1	
1002D	OBSERVATION ROOM	RSF-1	RB-2	PT-1/PT-5	ACT-1	
1004	CIRCULATION	CPT-1	RB-1	PT-1/PT-4	ACT-1	
1005	CIRCULATION	CPT-1	RB-1	PT-1/PT-4	ACT-1	
1006	VESTIBULE	CPT-2	RB-2	PT-1	ACT-1	
1007	STORAGE	ETR	ETR	ETR	ETR	
1008	CIRCULATION	CPT-1	RB-1	PT-1/PT-4	ACT-1	PROVIDE PT-2 AT SOUTH WALL
1009A	KITCHENETTE	RSF-1	RB-1	PT-1	ACT-1	PROVIDE PT-2 AT SOUTH WALL
1009B	JANITOR	RSF-1	RB-2	PT-1	ACT-1	



1 LOWER LEVEL FINISH PLAN
Scale: 1/8" = 1'-0"



1 SPRINKLER - UPPER LEVEL PART PLAN NEW WORK
Scale: 1/8" = 1'-0"



2 SPRINKLER - LOWER LEVEL PART PLAN NEW WORK
Scale: 1/8" = 1'-0"