



ADDENDUM 3

June 03, 2020

ITB AP 59-20

CONSTRUCT BAGGAGE HANDLING SYSTEM AND WEST TERMINAL EXPANSION – DESTIN-FORT WALTON BEACH AIRPORT (VPS)

This addendum modifies the requirements of the Solicitation Document dated: May 18, 2020.

The following items take precedence over referenced portions of the Contract Documents for the above-named Project and shall become a part thereof.

Where any item called for in the Contract Documents is supplemented hereby, the original requirements shall remain in effect. All supplemental items and conditions shall be considered as added thereto.

Where any original items or condition is amended, voided or superseded hereby, the provisions of such items or conditions not so specifically amended, voided or superseded shall remain in effect.

The Last Day For Questions Deadline is Friday, June 05, 2020 (at 3:00 p.m. C.D.S.T.). Any additional questions will be addressed in a final addendum prior to the bid opening.

Note: The ITB Opening Date & Time remains unchanged.

CONTRACT DOCUMENT MODIFCIATIONS

| Page/ Dwg No. | ITEM | DESCRIPTIONS | REMARKS |
|---|--|--|---|
| <u>BF-8 and BF-9</u> | Bid Schedule | Revise sheets in their entirety. | Bid Schedule has been revised to include Bid Alternate No. 1 and Bid Alternate No. 2. |
| <u>Spec 07 81 00 Pages 4-7</u> | Sections 2.2, 2.3, and 2.4 | Section 2.2 has been revised and Section 2.3 added to separate requirements for Interior and Exterior fireproofing applications. Section 2.4 has been revised to indicate Sealer is only needed at Exterior locations and removed Topcoat requirements as topcoat is not needed on the project. | |
| <u>Spec 07 81 00 Page 8</u> | Sections 3.3 Application, Item D | Item D has been revised to include requirement that for exterior high-density fireproofing, expanded metal lath shall be installed per manufacturer's recommendations. | |
| <u>Spec 07 81 00 Page 9</u> | Section 3.4 Application, Item A | Item D has been revised to remove topcoat requirements as topcoat is not needed on the project. | |
| <u>Spec 10 73 30 Page 2</u> | Section 2.1 Performance Requirements, Item A | Item was revised to correct required state of licensure. | |
| <u>Spec 10 73 30 Page 3</u> | Section 2.2 Materials, Item A | Item was revised to add additional approved Manufacturer. | |
| <u>Spec 34 77 39 Page 61</u> | Section 2.03.C.1 | SICK is added under ATR manufacturers | See "A3" mark on the page |
| <u>Spec 34 77 39 Page 41</u> | Section 2.01.A.1 | SEW is added under Motor manufacturers | See "A3" mark on the page |
| <u>Spec 34 77 39 Page 42</u> | Section 2.01.A.2 | SEW is added under Reducer manufacturers | See "A3" mark on the page |

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| <u>Dwg</u> <u>S1-102</u> | Provided additional keynotes to reflect Bid Alternate No. 1 scope. |
| <u>Dwg</u> <u>S1-202</u> | Provided additional keynotes to reflect Bid Alternate No. 1 scope. |
| <u>Dwg</u> <u>AG0-001</u> | Updated project data and code information. |
| <u>Dwg</u> <u>AG1-100</u> | Added ticketing queueing space with occupancy: Assembly A-3. |
| | Removed 2-HR, 3-HR and 1-HR smoke partitions from legend. |
| <u>Dwg</u> <u>AE1-100</u> | Indicated scope extents for Bid Alternate No. 1. |
| <u>Dwg</u> <u>AE1-102</u> | Provided additional keynotes to reflect Bid Alternate No. 1 scope. |
| <u>Dwg</u> <u>AE1-200</u> | Indicated scope extents for Bid Alternate No. 1. |
| <u>Dwg</u> <u>AE1-201</u> | Provided missing keynote entry 08-0116: existing roof drain to remain. |
| <u>Dwg</u> <u>AE1-202</u> | Provided additional keynotes to reflect Bid Alternate No. 1 scope. |
| | Provided missing keynote entries 08-1106 and 08-2201. |
| <u>Dwg</u> <u>AR1-100</u> | Indicated scope extents for Bid Alternate No. 1. |
| <u>Dwg</u> <u>AR1-102</u> | Provided additional keynotes to reflect Bid Alternate No. 1 scope. |
| <u>Dwg</u> <u>AE3-001</u> | Provided additional keynotes to reflect Bid Alternate No. 1 scope. |
| <u>Dwg</u> <u>AE4-002</u> | Details 1, 2, 7, 11 were revised to provide required wheelchair accessible toilet stall and ambulatory accessible stall in both men's and women's toilet rooms. |
| <u>Dwg</u> <u>AE5-001</u> | Provided additional keynotes to reflect Bid Alternate No. 1 scope. |
| <u>Dwg</u> <u>AE5-021</u> | Provided additional detail notes to indicate required fireproofing of structural members. |
| <u>Dwg</u> <u>AE5-022</u> | Provided additional detail notes to indicate required fireproofing of structural members. |
| <u>Dwg</u> <u>AE5-023</u> | Provided additional detail notes to indicate required fireproofing of structural members. |

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|---|---|------------------------|
| <u>Dwg</u> <u>AE5-041</u> | Provided additional detail notes to indicate required fireproofing of structural members. | |
| <u>Dwg</u> <u>QM1-100-</u> <u>A</u> | Added new sheet for Bid alternates | |
| <u>Dwg</u> <u>QM5-006</u> | Added safety gate to ladder | See “B” mark on sheet |
| <u>Dwg</u> <u>QM5-007</u> | Added safety gate to ladders | See “B” marks on sheet |
| <u>Dwg</u> <u>F1-102</u> | Indicated scope extents for Bid Alternate No. 1. | |
| <u>Dwg</u> <u>P1-102</u> | Indicated scope extents for Bid Alternate No. 1. | |
| <u>Dwg</u> <u>P1-202</u> | Indicated scope extents for Bid Alternate No. 1. | |
| <u>Dwg</u> <u>M1-102</u> | Indicated scope extents for Bid Alternate No. 1. | |
| <u>Dwg</u> <u>EL1-102</u> | Provided additional keynotes to reflect Bid Alternate No. 1 scope. | |
| <u>Dwg</u> <u>EP1-102</u> | Provided additional keynotes to reflect Bid Alternate No. 1 scope. | |
| <u>Dwg</u> <u>ES1-102</u> | Provided additional keynotes to reflect Bid Alternate No. 1 scope. | |
| <u>Dwg</u> <u>EY1-102</u> | Provided additional keynotes to reflect Bid Alternate No. 1 scope. | |
| <u>Dwg</u> <u>ELP1-202</u> | Provided additional keynotes to reflect Bid Alternate No. 1 scope. | |

Bid Questions:

1. Is this (bid) package (requirement) just for the general construction or does it include the baggage handling modifications as well?

Answer: The (bid) package (requirement) includes both facility modifications, as well as the baggage handling system itself.

2. Is there an estimated value and potential start date for the above project?

Answer: The estimated value will depend upon the selected alternate(s) selected by the Airport, which will appear in the applicable Addendum before the bid opening date. For timing, tentatively the Notice to Proceed for construction should be within the 120-day bid hold period. This is an estimate for fall (October) timeframe for mobilization.

3. Are there minimum qualifications in regard to BHS and Terminal experience tied to a Contractor being deemed responsive?

Answer: All listed bid requirements are presented as a standard minimum, within solicitation document ITB AP 59-20, and may be utilized to determine bidder responsiveness.

4. Once a Contractor is deemed responsive and qualified, how are qualifications scored and weighted with price to determine the selection?

Answer: As the Purchasing Department has released this requirement as an Invitation To Bid, there will be a technical review and evaluation. The contractor which bids the lowest price, technically acceptable should become the intended awardee for the requirement.

5. Estimating this job (ITP AP 59-20) and the canopy on it, but the specs list section 107317, but I cannot locate section 107317. Do you have a copy of the spec/project manual?"

Answer: The specification is included in the posted bid manual on-line. If searching 107317 it may not pop up, since on the specific page it is listed as 'SECTION 10 73 17 – Manufactured Canopy'. It is PDF page 867 of 2,179 in the bid manual file.

6. Can the SICK ALISVISION ATR be added as a substitute for the Cognex ATR?

Answer: Yes.

7. The Building Sections (Sheet AE5-001), Wall Sections (AE5-021, AE5-022 and AE5-023), and Roof Details (AE5-061 and AE5-081) do not show Applied Fireproofing on the Roof Assembly.

- a. How is the 1 Hour Roof Assembly being met?
- b. Does the Roof Assembly at the Vestibules require the 1 Hour Rating?
- c. Does the Roof Assembly at Outbound Baggage Area require a 1 Hour Roof Assembly Rating?

Answer: a. See revised drawings indicating fire rating of roof deck and secondary structural members.

b. Yes

c. Yes

8. The Column details on Sheet AE5-041 does show Fireproofing on the Columns, except for the columns at the Vestibule.
 - a. Do the Columns supporting the Vestibule Roofs require Fireproofing? How are they rated?
 - b. Do the Columns supporting the Outbound Luggage Roof Assembly require a 1 Hour rating? How are they Rated?

Answer: a. Yes.

- b. Yes. Lower portion of column is enclosed in concrete masonry. Above the masonry, column should receive spray applied fireproofing.

9. Under Paragraph 2.2.A in Section 078100 Applied Cementitious Fireproofing, there are two Bond Strengths Specified (2.2.A.3: 6000 PSF Bond Strength and 2.2.A.18: 150 PSF Bond Strength), two Densities Specified (2.2.A.4: 40 PCF Density and 2.2.A.1: Density as required by Fire Resistive Design according to ASTM E605—which would require 15 PCF Density), two Compressive Strength Specified (Paragraph 2.2.A.8: 500 PSI and Paragraph 2.2.A.23: 100 PSI), Paragraph 2.2.A.1 are High Density Fireproofing Products whereas Paragraph 2.2.A.16 Basis of Design Monokote by GCP is a Standard Density Fireproofing. Please clarify the Density and Bond Strengths of Fireproofing required and where they are required. Also---would a Medium Density Fireproofing (430 PSF Bond Strength and 22 PCF Density Fireproofing- Z-106/HY by GCP, Cafco 400 Wet-Mix Fireproofing by Isolatek, Cafco Blaze Shield HP by Isolatek, Etc -) be needed on this project? Typically, each Type of Fireproofing required, High Density, Medium Density, and Standard Density Fireproofing, has its own paragraph without being under one Paragraph.
 - a. Where is the High Density Fireproofing required? Is it only on Exposed Columns?
 - b. Where is the Standard Density Fireproofing required? Is it all Concealed Column Locations? Is it at Concealed and Exposed Roof Assembly Locations?
 - c. Will any Medium Density Fireproofing be needed anywhere?

Answer: Clarifications have been added to Section 078100 Article 2.2 (in Bold type), non-applicable items struck-out. Per paragraph 5 – minimum Bond Strength 150 lbf/sq.ft. at interior applications. Per paragraphs 12 and 13 – minimum compressive strength shall be 15 lbf/sq.in at interior and 100 lbf/sq.in. at exterior. Medium density fireproofing will not be needed.

10. The Standard Density Fireproofing Material—Monokote by GCP does not meet Paragraph 2.2.A.17(Section 078100) Designated for Exterior use. Is this required? Cafco Blaze Shield is the only Standard Density Fireproofing that is Designated for Exterior use.

Answer: See response to Item 9 above for revised Specification. Acceptable products for Interior SFRM stand-density (10 pcf, minimum) include:

- GCP MK-6 series
- Carbolite Pyrocrete 200 series
- Cafco 300 series

11. What type of Finish is needed for the High Density Fireproofing (Paragraph 2.2.A.14) at columns and elsewhere? Is a Standard Spray Applied finish acceptable?

Answer: See Article 3.3 in revised Specifications for finish.

12. Any Color needed on the Fireproofing (Paragraphs 2.2.A.15 and 2.2.A.29a) should be provided by paint installed by painter sprayed over the Fireproofing. Please confirm.

Answer: See Article 3.3 in revised Specifications for finish. Fireproofing to be natural color. Additional color is not needed.

13. Is a Sealer (Paragraph 2.2.C) and/or Topcoat (2.2.D) required over the Fireproofing? If yes, where is the Sealer Required, and where is the Topcoat required? A Sealer and/or Topcoat is not required by Building Code, UL, the Fireproofing Manufacturers, etc. Less than 5% of Projects require Sealers, and less than ½% of projects require Topcoats, especially at Concealed locations.

Answer: See Article 2.2. of revised Specification. Sealer to be provided at exterior locations only. No topcoat is needed.

14. Paragraph 1.1.A.2 of Section 078100 Applied Cementitious Fireproofing is “Patching and repair of existing applied Fireproofing.” What is the Scope of the patch and Repair of Existing Fireproofing? What areas is this required in? Where are the pictures/video showing existing Conditions of the Existing Fireproofing? What type of Fireproofing was used on the Existing Facility? What is the extent of the areas needing Patching and repair? When will we be able to make site visits to view existing conditions?

Answer: Patching/repairing scope is anticipated to only be needed where new construction (connection of new structure or bracing for example) impacts or disturbs existing spray applied fireproofing. The area most likely to be affected would be the new Screening Room (existing Baggage Make-up). Existing fireproofing appears to be spray applied. Exact manufacturer/product data is unknown to Design Team at this time.

15. Substitution Request: For Standard Density Fireproofing, request approval of Cafco 300 and Cafco Blaze Shield II by Isolatek International.

Answer: Architect takes no exception to Cafco 300. Cafco Blaze Shield II is not approved.

16. Substitution Request: For medium Density Fireproofing, request Approval of Cafco Blaze Shield HP and Cafco 400 by Isolatek and Monokote Z-106 HY by GCP.

Answer: Medium-density fireproofing is not required on the project.

17. If High Density Fireproofing is used on a Roof Assembly, the metal deck must have lath attached to the bottom of the deck prior to fireproofing application due to the weight of the Fireproofing. Please confirm.

Answer: See revised Specification, Article 3.3 – Application. High density fireproofing shall be installed on metal lath per the fireproofing manufacturer's recommendations.

18. The notes state to patch and repair existing, an allowance may be in store. It would take several hours from several bidding subcontractor removing tile and moving ladders around the existing terminal to investigate what areas would need to be patched and how much patching would be required.

Answer: Patching/repairing scope is anticipated to only be needed where new construction (connection of new structure or bracing for example) impacts or disturbs existing spray applied fireproofing. The area most likely to be affected would be the new Screening Room (existing Baggage Make-up).

19. The Electrical Riser Diagram on Sheet E6-001 shows that UPS, TXs, L-PDP Panel, and PDP Panels are to be provided by others. If we are required to install these items, please provide details on sizes of equipment (ampacity and spaces).

Answer: Equipment provided and installed by others. Electrical Contractor to provide and connect power feed as indicated on plans.

20. What is the current fire alarm system in the airport?

Answer: The existing system is Tyco – SimplexGrinnell.

21. There are two panels (EL1A2, EHP2A) and 1 ATS (ATS-PA1) being demolished on sheet EPD1-101. Please provide their ampacities and where these are fed from. We also have no idea if any circuits in these enclosures are being rerouted somewhere else or being demolished as well. In either case, we need more information as to sizes of conduit, conductor, and new location. Please clarify.

Answer: Electrical Riser indicates source connection. Panel EPH2A is 480V, 3Ph, 225A, Panel EL1A2 is 208V, 3Ph, 100A, ATS-PA1 is 480V, 3Ph, 230A. All branch circuits are to equipment being demolished/removed. This equipment will no longer be used.

22. On the drawings (E6-001) Electrical riser diagram it indicates several pieces of electrical gear (panelboards, transformers, and UPS) being provided by others. The question I have is who will be required to install, terminate, startup, test and commission the equipment? If it is the responsibility of the EC, what are the sizes and manufacturers of said equipment.

Answer: Equipment provided and installed by others and is therefore their responsibility. Electrical Contractor to provide and connect power feed as indicated on plans.

23. How would you like us to submit quotes solely for specific items?

Answer: If you are referring to bidding to a General Contractor, then that is between your company and the General Contractor. If you are referring to bidding on this project through the Okaloosa County bid process, then please see information below:

Bid documents are available for download by accessing the following sites:
<http://www.myokaloosa.com/purchasing/home> then accessing the link
“View Current Solicitations” and find/click on blue link for ITB AP 59-20
<https://www.bidnetdirect.com/florida>
https://www.demandstar.com/supplier/bids/agency_inc/bid_list.asp?f=search&mi=2442519

If you have questions pertaining to BidNet, or require assistance, please contact the site’s customer service desk at 1-800-835-4603.

24. If we were to get the BHS project would we need a GC license?

Answer: Yes, the General Contractor must hold all applicable license(s) that are listed within the bid solicitation documents of ITB AP 59-20.

25. Can you specify who is planning on being the GC’s for the project?

Answer: The County intends to have selected the General Contractor through the bid process, possibly by Fall 2020. The intended award winner is posted to the Okaloosa County Purchasing Department at <http://www.myokaloosa.com/purchasing/home> then accessing the link “View AWARDED Solicitations”.

26. Would we be able to come down and possibly do a site visit?

Answer: The project’s Addendum #2 posted the information to the public that a site visit was held after the pre-bid conference held on 28 May at 10:00 a.m.

27. Who is responsible for taking existing AHU-2 off the roof?

Answer: Contractor is responsible for the removal and disposal of all demolished equipment.

28. Is there a need for temporary cooling during the removal/tie-in of AHU-2?

Answer: Contractor to provide temporary cooling for the airline support spaces.

29. Will the BHS installer be responsible for metal and trash dumpsters or will the GC be responsible for that?

Answer: Per the specification, “Any removed conveyor equipment remaining will become property of the BHSC and must be removed from the site in a timely manner.” The means and methods is the BHSC responsibility, including coordination with the GC.

30. Can the SEW KT Series Gearmotors be added as a substitute for the Lenze drives?

Answer: Yes.

31. Can motor mounted SEW Movimot VFD's be added as a substitute for Lenze VFD's?

Answer: Yes.

32. On sheet E6-001 notes 2 and 3 mention supplying a 400A, 3 pole breaker to match existing manufacture and type for a generator. We need to know the manufacturer and type of generator in order to supply these breakers.

Answer: Generator is a Kohler. Existing breaker is enclosed behind a steel cover and was not able to be observed.

33. Note 4 on sheet E6-001 refers to a new gen location and extending a circuit to this location. I do not see on the plans anything else about the locations of the generators in order to take off this circuit extension.

Answer: Assume a 20' distance from existing location to new for trenching, conduit, and wiring.

34. Drawing QM4-001 shows an oversized screening area with sliding tops the bags have no place to go or need a sliding top and they should use the OOG non sliding top unless they will move the tables to the phase (Future).

Answer: It can be inferred from this statement that there is a question about the use sliding top tables in the OS area. These tables are existing and relocated. See keynote 10.203 on sheet QM4-001.

35. Drawing QM4-001 - No cart shown for the TSA no lift policy in the OOG area should we include a cart?

Answer: There is no separate OOG area. OOG bags go into the CBRA with sliding top tables.

36. Drawing QM4-001 - No monitors so no need for the back wall could use a ETD on a floor mounted stand, or use the back wall and move to (future phase)

Answer: This is a statement. VTC does not understand. Need clarification from submitter on question.

37. Drawing QM4-001 - Temp screening area will this be existing equipment?

Answer: The BHSC is responsible for roller gravity (keynote item 10.223 on sheet QM4-001) and tables (keynote item 10.200 on sheet QM4-001).

38. Drawing QM5-005- The drawing says it is a RH table – it slides to the left when standing at the table so it is a LH just for clarification.

Answer: Sheet QM5-005 is standard details. For sliding top table direction in reference to standing position, please see layouts.

39. Can Fives Twinsort Vertical Sorter be added as a substitute?

Answer: BHS designer has no experience with this equipment in other BHS sites and has not had an opportunity to test the product. To accept this equipment via the RFS, more documents including referenced sites and/or product test are needed. This product, therefore, will not be listed in the specifications via this addendum; however, the vendor will have another opportunity to submit RFS via the BHS contractor after the project is awarded. In this case, the performance of the equipment will be assessed in depth with more detailed equipment information.

40. Section 1.86 (page GC-7) states that work periods are limited to being between 7:00 am and 5:00 PM, Monday through Friday with no weekend work permitted without written consent. Can you confirm that these restrictions are correct?

Answer: The Airport will work with the selected contractor on their submitted schedule. Work will not be restricted unless it affects the safe movement of passengers or baggage. If certain critical pieces of work will have an impact to the public or Airport operations, then the County will work with Contractor to minimize impacts. This could include for example night work to switch over an air handler unit, electrical connection, or other infrastructure that would severely affect existing operations space. Any work limitations compared to the approved schedule will be tracked similar to weather days and documented to determine any contract time impacts.

41. What are the requirements for standby during the conditional acceptance period?

Answer: See specification section 1.13; specifically, paragraph 3.

42. Section 1.07.D (page 14) states that we are to perform a complete field survey and that all existing conveyor control systems must be incorporated into the new CBIS/BHS control system. Could you list all of the existing conveyor controls that are to be incorporated in this fashion?

Answer: This existing controls are to be identified by the BHSC field survey.

43. Section 5.02 (page 108) describes the required training. Can you give us an idea of how many weeks the customer anticipates that this 104 hours of training will take? Will it be scheduled on consecutive days until complete?

Answer: The total training hours required by this section is 48 hours. BHSC will submit an agenda for each training. Attendees are from different groups (airport operation, airport maintenance, TSA, and airline operation) and BHSC will coordinate date/time per their shift/schedule.

44. Room 170 for the Outbound Baggage Carousel is covered but open on the sides. While this covering will protect the baggage from the elements it will still leave the electrical / controls equipment on the BHS conveyor subject to moisture and in a space that is rated as outdoors. What is this projects' NEMA rating requirement for outdoor electrical equipment?

Answer: All electrical equipment installed in exterior spaces shall be NEMA 3R unless otherwise noted or required by standards.

45. Drawing QM8-002, Item D under the phasing states that bags will be portered to the temporary screening area until the completion of Phase 4. Who is responsible for this portering? How many porters will be needed and for what hours?

Answer: The Airport will be responsible for portering services before and after the TSA operations at the temporary screening machines.

46. Please confirm the listed insurance requirements of \$15,000,000. This requirement is passed down to subcontractors/subconsultants who are typically used to \$2,000,000 - \$3,000,000. This will inflate the final bid price.

Answer: Confirmed due to the proximity to operating aircraft and potential for FOD on the AOA.

Attachments: Pre-bid Meeting Agenda
Pre-bid Meeting Minutes
Pre-bid Meeting Sign-in Sheet
Revised Bid Schedule
Revised Specifications
Revised Plans

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AGENDA
Pre-Bid Conference
ITB AP 59-20
Construct Baggage Handling System (BHS) and West Terminal
Expansion Destin-Fort Walton Beach Airport
10:00 a.m. Thursday May 28, 2020
Conference Room No. 1

Facilitator

Welcome / Attendee Recording

Okaloosa
County

Introduction of Participants /

Purpose Project Introduction

Okaloosa
County

Scope of Work

Okaloosa
County

Project Overview
 Site Design Overview
 Facility Design Overview
 BHS Design Overview
 Anticipated Bid Alternates
 Surrounding Projects at VPS

GRAEF
 GRAEF
 Corgan
 VTC
 GRAEF
 GRAEF

Administration and Legal Requirements

Okaloosa
County

Project Bid and Construction
 Schedule Substitutions
 Instruction to Bidders
 Addenda / Bid Opening

Questions / Discussion Adjourn

Site Visit



Meeting Minutes

Date, Time & Location: May 28, 2020, 10:00 AM
Conference Room No. 1
Okaloosa County, Florida

Attendees: See attached Sign-In Sheets

To: Pre-Bid Meeting Attendees

Purpose: Pre-Bid Meeting
ITB AP 59-20, Construct Baggage Handling System and West Terminal Expansion at Destin-Fort Walton Beach Airport (VPS)
Okaloosa County, Florida

From: Scott D. Hinrichs, P.E. – Project Manager, GRAEF

These notes set forth the understanding of the parties. The parties shall rely on the contents unless the writer receives written notice of specific discrepancies for the proposed revised wording within two weeks of the date of mailing or transmittal of these notes.

I. Welcome / Attendee Recording

Chad Rogers, Deputy Director of Plans and Programs at VPS

II. Introduction of Participants / Purpose

Speakers:
Chad Rogers – VPS
Tracy Stage – VPS
Scott – GRAEF
Kent McGilberry – Corgan
Jen Banks – VTC
Jessica Darr – Okaloosa County

(Did not introduce all participants on the Zoom call in respect of everyone's time, please refer to sign-in sheet)



Chad Rogers explained the purpose of this meeting which is to review the project scope, clarify and explain construction methods, procedures, and safety measures required by the contract, and to answer questions. Please send all questions in writing even if asked today to ensure they are recorded and answered in the follow-up addendum.

III. Project Introduction

Tracy Stage gave a background of the project, which is the largest project the airport has had in about a decade. Why is airport proceeding with significant project in such a significant time? Prior to this pandemic, VPS was on cusp on 6th consecutive record setting year with 7,000-8,000 per day with five successful airlines. Regardless of the significant revenue losses, VPS still fully intends to move forward with the important project and have the money and authorization in-hand. Majority of project will be funded by Passenger Facility Charges (PFCs) which has already been approved. The majority of carriers approve and support this project, even since the pandemic, as they recognize the baggage handling system (BHS) is currently inadequate for today and into the future. Passenger traffic is quickly coming back, doubling day after day, so fully expect to come back even bigger and stronger.

IV. Scope of Work

A. Project Overview

Scott Hinrichs with GRAEF (project manager, engineer) gave a brief overview of the project which includes an expansion of the existing terminal building to the west with a new single story building with alarm bag screening room, offices, and support spaces as well as a large canopy over the new make-ups units; expansion of the existing terminal to the wests with a new single story building including restrooms and ticket counters as well as parking lot and security fence improvements; and to enclose and renovate the existing terminal building to accommodate new BHS screening equipment and conveyors. Construction consists of a steel frame with steel beam roof members, masonry and metal stud infill walls, and insulated single ply membrane roofing.

B. Site Design Overview

Scott Hinrichs with GRAEF discussed the site design scope which includes regrading and resurfacing existing parking lot, new paint markings for parking, new storm drainage, new site lighting, new security fencing, new sanitary lateral for new



restrooms, new concrete walkways, new raised concrete area for employee break area, and connecting existing rainwater leaders from existing building to new catch basin. Scott mentioned that the contractor should plan to follow the Construction Safety and Phasing Plan.

C. Facility Design Overview

Kent McGilberry with Corgan (architect) went into further detail on the facility design. For the most part, matching the existing materials on exterior and interior of building such as the column grid. Will not continue double height of the existing terminal. Curbside canopy will remain most the same with the exception of removing several bays of an existing partial high masonry wall to open area up for passenger flow to and from the ticketing expansion. The open courtyard-type area will be the employee break area. There will a solar shade-type structure installed over this. Will need to be made removable as it will not withstand hurricane force winds (this will be a delegated design item). New west end ticketing expansion will include a new metal fence with gate for access to the parking lot, a new engineered aluminum canopy (will be a delegated design item). Since it is a pre-manufactured design item, designer will have to be cognizant on how it will tie into the existing canopy to the left.

For the Airside – Baggage Makeup Area, will be an open air canopy and continue the metal panel fascia from the existing terminal to wrap all around. New single ply membrane roof will extend over the structure. Inside will include two make-up devices and conveyor. Structure and CMU columns will match existing. Will need new bollards to protect against tug traffic. Will be enclosing existing make-up space with CMU wall.

The interior of existing ticket lobby will open up at the floor level to connect to the new expansion (will keep portion of existing window). Finished materials in new expansion space will be chosen to match the existing terminal.

D. BHS Design Overview

Jen Banks from VTC (BHS designer) presented this overview. The existing BHS was a mini in-line system that has two main lines. Lacks redundancy but has worked well in the past. The need is for higher volume system. New BHS layout will incorporate a full system. The immediate plan would be for two EDS systems which will be redundant, give remote screening options, and CBRA to be much more streamlined.



There will additional make-up areas to be utilized by the airlines. Two existing ticket counters line feeds will feed into the new matrix.

Phasing is important to maintain services for the active airports and a positive passenger experience. Phase 1 would be the make-up area. Phase 2 could be conducted at the same time as Phase 1 and would allow for three temporary standalone EDS systems to be delivered and installed by the TSA to be used by all the airlines. Will need to coordinate with the airlines to ensure load factors and schedules are taken into consideration. Phase 3 includes the installation of the two new EDS systems and feeds as well as the CBRA. Phase 4 is the overall installation to ensure any gaps have been bridged between all the phases with testing.

E. Anticipated Bid Alternates

Scott Hinrichs discussed potential bid deduct alternates that may appear in a future addendum. These included

- Alternate No 1: West Make-up Unit
- Alternate No. 2: West Vestibule
- Alternate No. 3: Conveyor Line TC3
- Alternate No. 4: Select BHS Conveyor Motors

May combine some (specifically 3 and 4 which are BHS related).

These will be issued as a future addendum (not in the current bid documents). Refer to "Anticipated Alternate" slides areas in red.

F. Surrounding Projects at VPS

Chad Rogers discussed that the existing parking area could be the potential lay down area. Could be seasonal dependent. Will coordinate all projects.

Other work ongoing at the same time as this one:

- West Apron Expansion (about 75% of the way through, should finish up end of August)
- Lot B Parking Expansion
- Concourse C (will be re-bid early next year)

V. Administration and Legal Requirements

A. Project Bid and Construction Schedule



Bid Responsiveness

- Provide detailed answers to Contractor's Qualification Questionnaire (BF-16-18)
- A number of qualifications in the technical specifications regarding manufacturers and installers for various parts of the project

Intent would be to sign/approve contract and issue NTP for fall start

Liquidated Damages (\$6-7K/day); see sliding scale on OCSC-6 & 7

- Overall project substantial/final completion = 420/450 days respectively

Phasing

- Refer to CSPP, page 2, and specific sheets within the plans
- Phasing & overall schedule critical to Airport coordinating items like temporary machines

B. Substitutions

Instructions to Respondents (ITC-6)

- The Contract, if awarded, will be on the basis of materials and equipment described in the Drawings or specified in the Specifications. Whenever it is indicated in the Drawings or specified in the Specifications that a substitute or "or-equal" item of material or equipment may be furnished or used by Contractor if acceptable to the County, acceptance of the substitution "or equal" to material or equipment, will typically be considered by the County after the contract is awarded. However, any proposed substitution that represents a deviation from the design intent, must be approved prior to submission of the bid responses. A determination as to whether a design deviation or particular item that changes the design intent of the plans or specification is acceptable as a substitute or "equal" will be made by the County and Architect/Engineer. Design deviations approved prior to bid submittals will be made known to other contractors through an addendum.
- Substitutions after award process spelled out in Section 012500 of Division 01 general requirements of the technical specifications

C. Instruction to Bidders

Be sure to read and fill out all forms included in the bid documents section of the bid manual (all of the pages/for with footer page# BF-)



Use blue ink to fill out originals

Be sure to check the purchasing website, DemandStar, and/or BidNet for published addenda

D. Addenda / Bid Opening

Last Day for Questions: June 5th 2020 (3:00 pm CDST)

Last Day for posted Addenda: June 10th 2020

Bids Due/Opening: June 17th 2020 (3:30pm CDST)

Send Questions to:

Okaloosa County Purchasing Department 5479A Old Bethel Road

Crestview, FL 32536

Email: jdarr@myokaloosa.com

(850) 689-5960

(851) All questions about the meaning or intent of these Project Documents are to be directed to Issuing Office. Interpretations or clarifications considered necessary by Issuing Office in response to such questions will be issued by Addenda on the Purchasing website and bid net as mentioned above. Questions received after the question deadline may not be answered. Only questions answered by formal written Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

(852) Addenda may also be issued to modify these Project Documents as deemed advisable by Owner or Architect/Engineer.

VI. Questions / Discussion

Question: AHU #2 needs to be replaced but who needs to take it off the roof?

Answer: The contractor. Will address it on the plans as well as the size of the existing AHU.

Q: Will contractor needs to supply temporary air conditioning in areas where taken old off to replace with new?

A: Will clarify this.

Q: When will addendum for add alternates be issued?

A: Will send this out immediately and will issue another addendum to answer the other questions, if needed. Looking to get this addendum out early next week.



Q: Could you review how all on Zoom can communicate to get names/company/email addresses on sign-in sheet?

A: Email contact information to Jessica Darr (jdarr@myokaloosa.com). Title email "Zoom Meeting" or "Attendance"

Q: You indicated there are, aside from airport/authority/county, there are some people who came to the meeting in person. Can they be introduced?

A: About 10 people are in person. They will be on the sign-in sheet.

Q: With the existing system you need to be mindful of as part of the existing airport, how would you define off hours in terms of construction work?

A: The intent with the phasing, the contractor would not have any restrictions. If there is something specific that needs to be done off hours, will most likely schedule in the middle of the night. Really dependent on timing (if in peak season). Will be as accommodating as possible while safety and operations in mind.

Q: The area where the make-ups units will be contained, even though covered, would still be considered outdoors. What is the NEMA classification for the electrical equipment in that area?

A: Will get this clarified by the electrical engineer.

The airport is taking significant costs and measures necessary, specifically in Phase 2, to install temporary solutions to alleviate impacts on the carriers and passengers and, most importantly, the contractor, so the contractor can keep the work going while they airport is still operational. The plan behind this is to give the contractor unimpeded access to the site in order to smoothly and efficiently get through all the phases.

Jessica Darr requested the contractors to register at BidNet.com and/or Demandstar.com to ensure you get the addenda automatically. Addenda will also be on the County website. Any questions, please email Jessica.

VII. Adjourn

The meeting adjourned at approximately 11:10 AM.

VIII. Site Visit

Site visit followed the pre-bid meeting.



ITB AP 59-20

Construct BHS and West Terminal Expansion
at Destin-Fort Walton Beach Airport

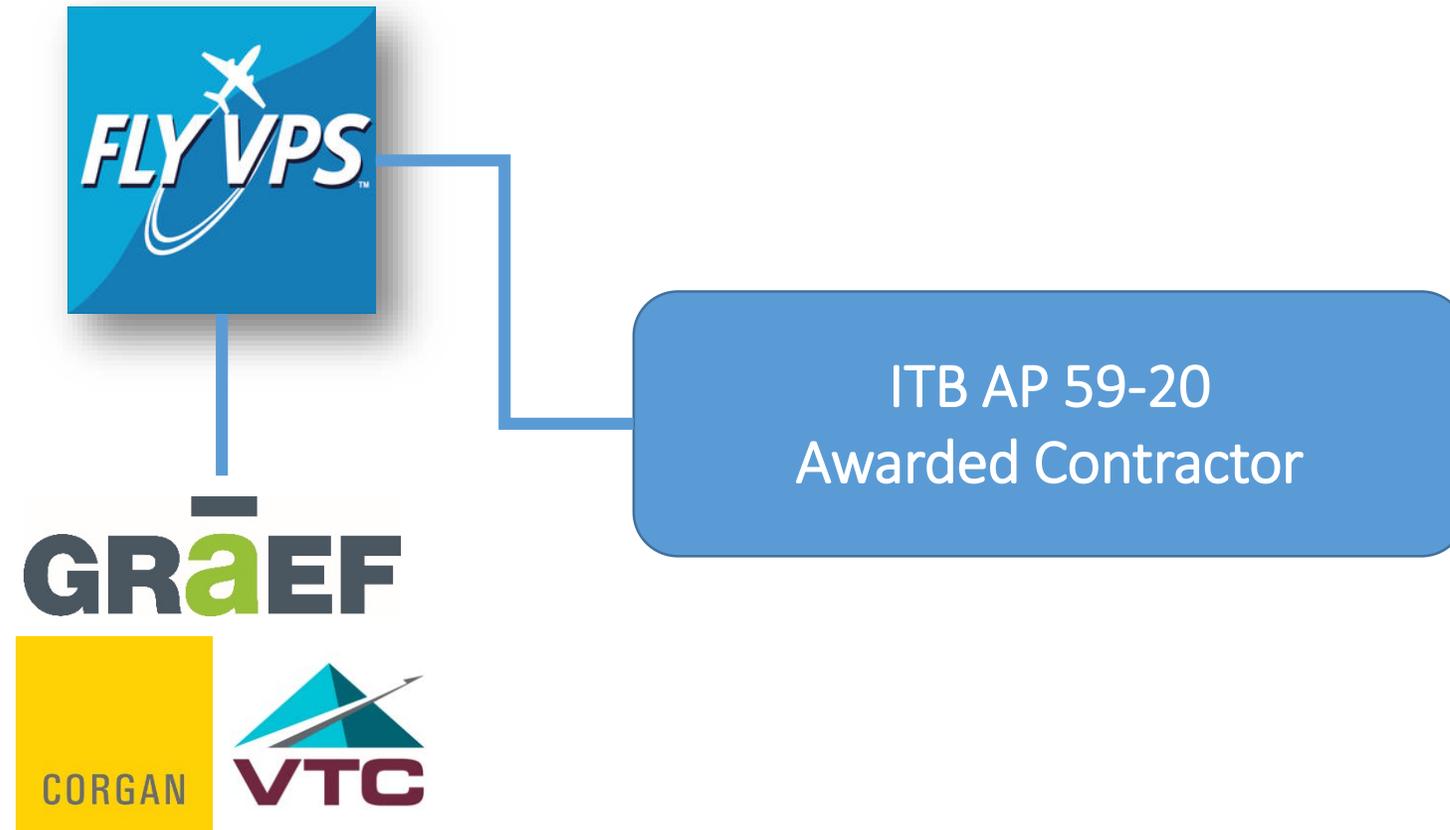


Meeting Agenda

- Introduction of Participants
- Purpose
- Scope of Work
- Administration and Legal Requirements
- Discussion / Questions

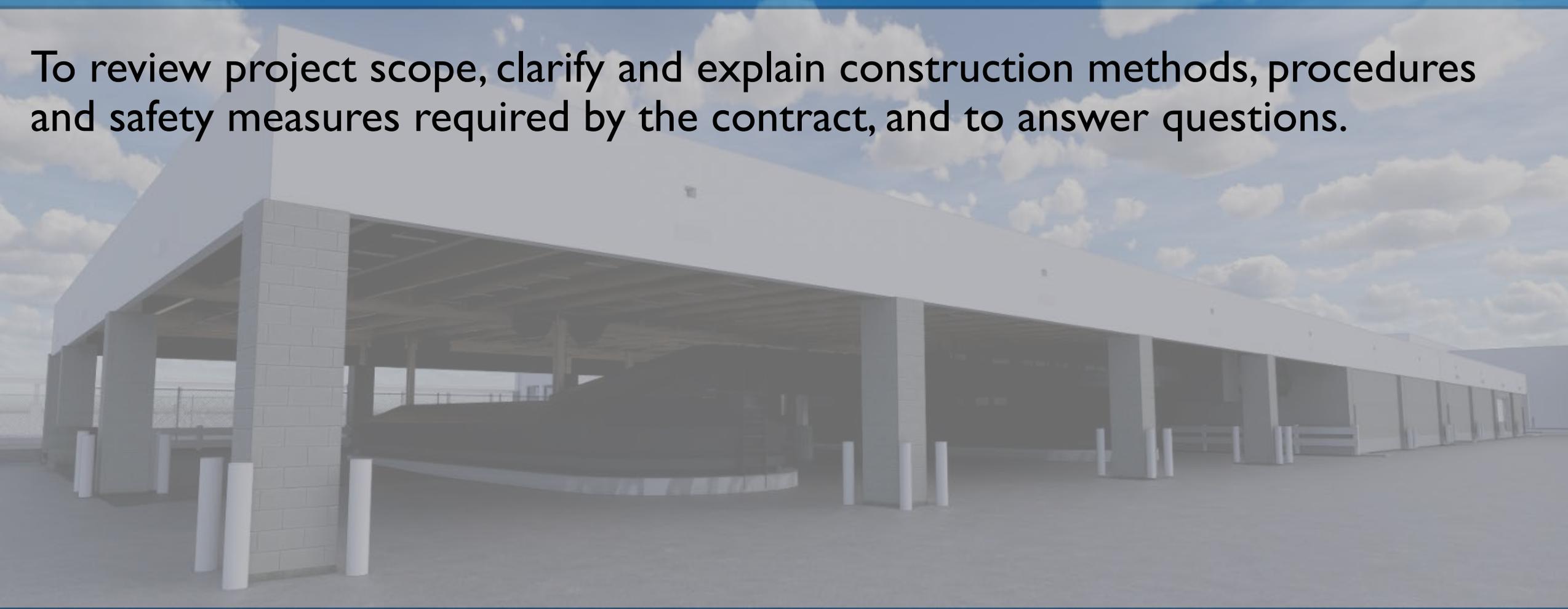


Introduction



We are here today:

To review project scope, clarify and explain construction methods, procedures and safety measures required by the contract, and to answer questions.



Site Design Overview

- Regrade and resurface existing parking lot
 - Provide new paint markings for parking
 - Provide new storm drainage
 - Provide new site lighting
 - Provide new security fencing (gate relocation by others)
- New sanitary lateral for new restrooms
- New concrete walkway at west and north
- New raised concrete area for employee break area
- Connect existing rainwater leaders from existing building to new catch basin (catch basin by others)

Follow Construction Safety and Phasing Plan

CONSTRUCTION SAFETY AND PHASING PLAN (CSPP)
FOR
CONSTRUCT BAGGAGE HANDLING SYSTEM (BHS) AND
WEST TERMINAL EXPANSION
AT THE
DESTIN - FORT WALTON BEACH AIRPORT

FOR THE
OKALOOSA COUNTY, FLORIDA
BOARD OF COUNTY COMMISSIONERS
ITB AP 59-20
FAA AIP Project No. TBD

May 2020

PREPARED BY:


2300 Maitland Center Parkway, Suite 210
Maitland, Florida 32751
FL Certificate of Authorization No. P08036



Facility Design Overview



Landside Exterior Aerial



Landside Curbside



Landside Curbside



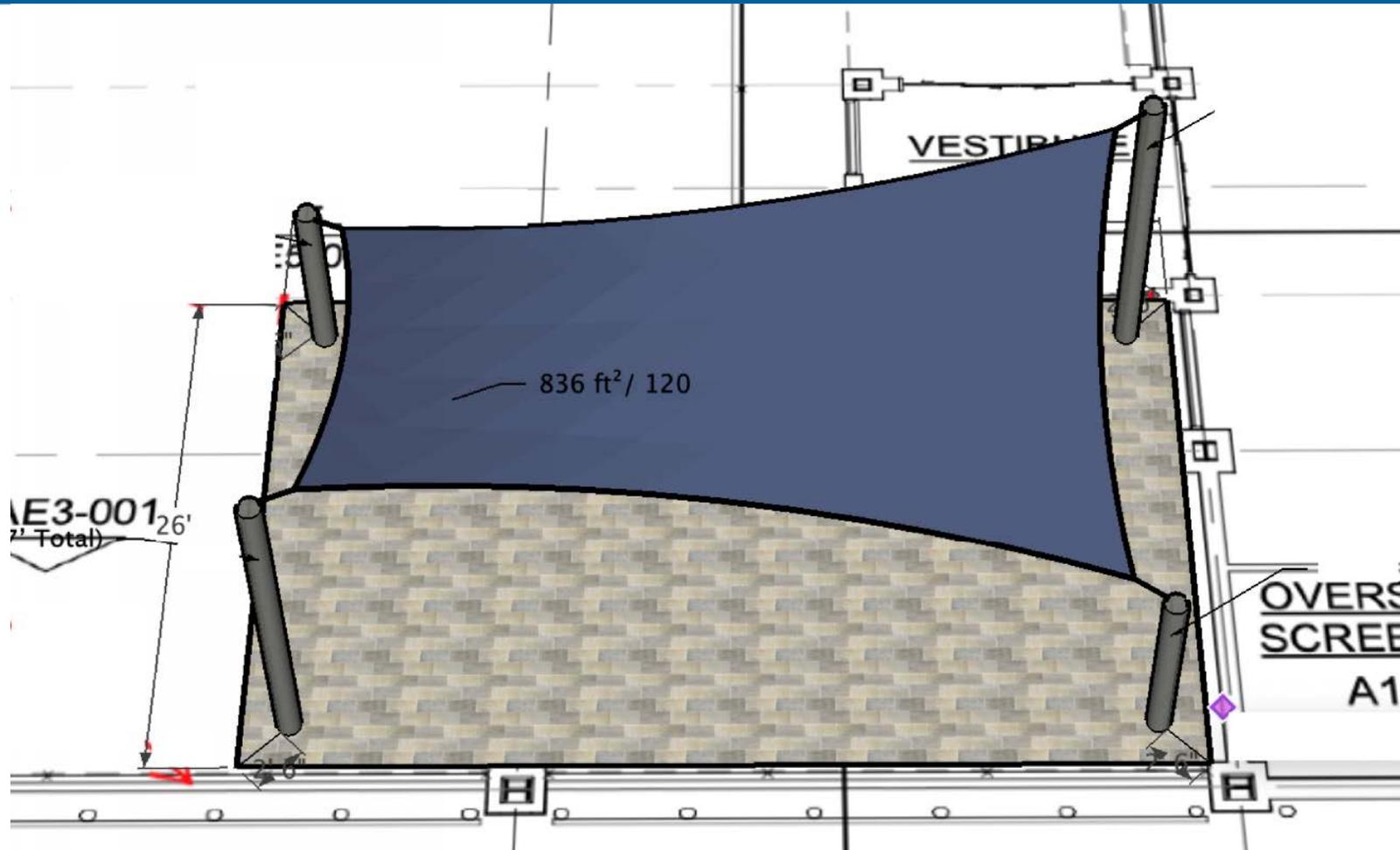
Ticketing Expansion (West End)



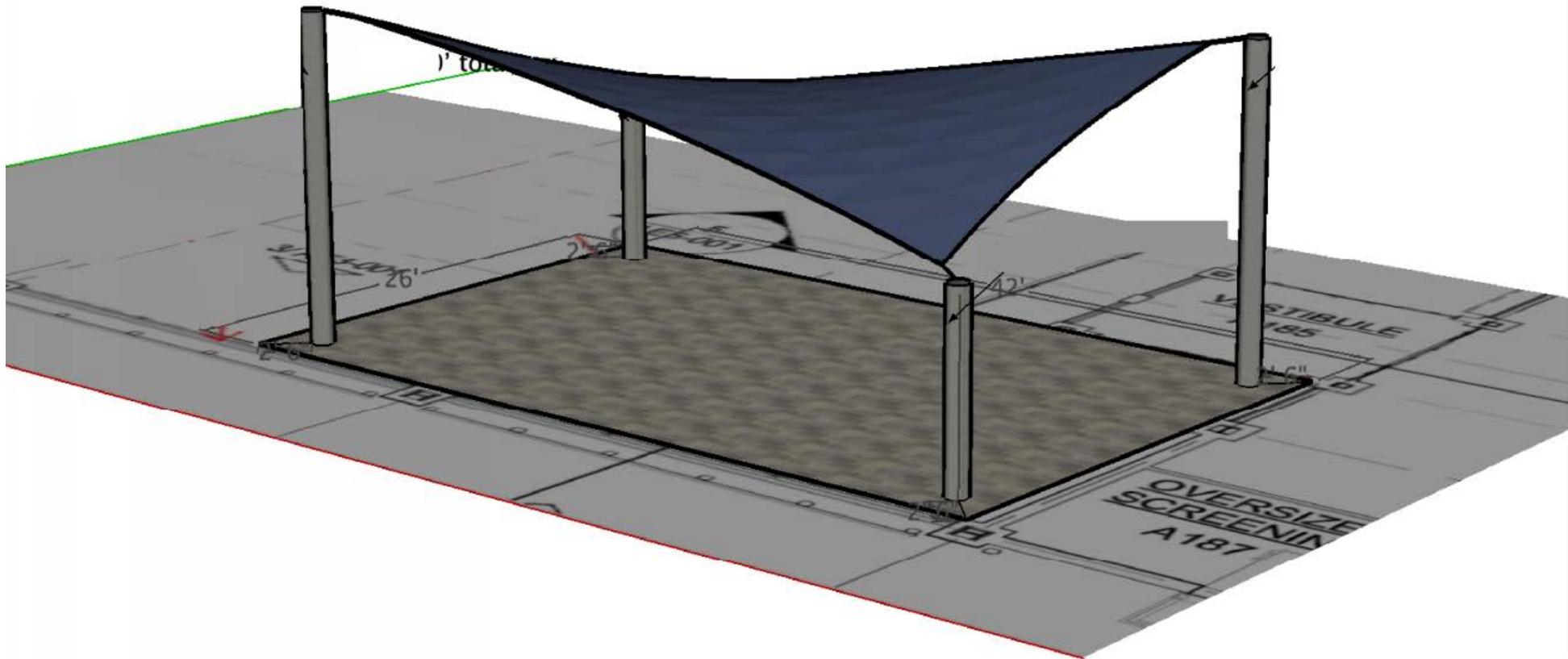
Ticketing Expansion (West End)



Solar Shade at Employee Break Area



Solar Shade at Employee Break Area



Airside – Baggage Makeup



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FORT WALTON BEACH
AIRPORT

Airside – Baggage Makeup



Existing Ticketing facing Expansion

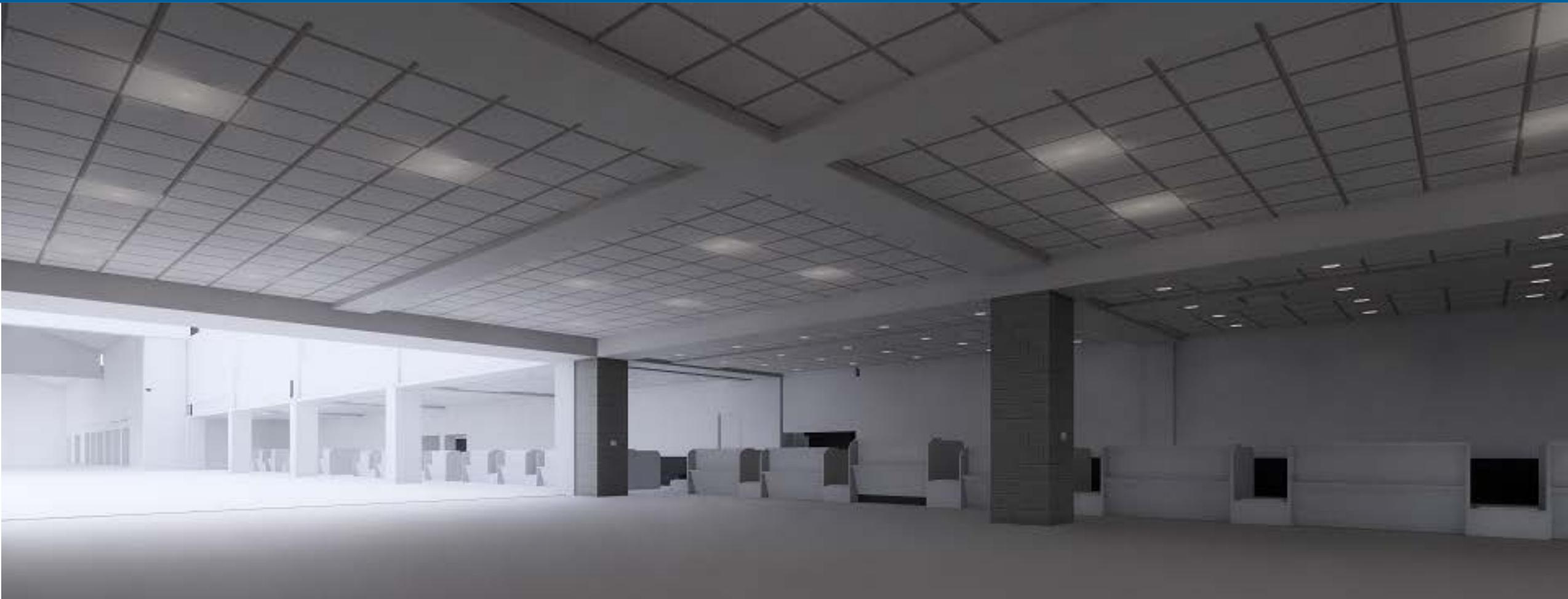


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Ticketing Expansion facing Vestibules



Ticketing Expansion facing Counters



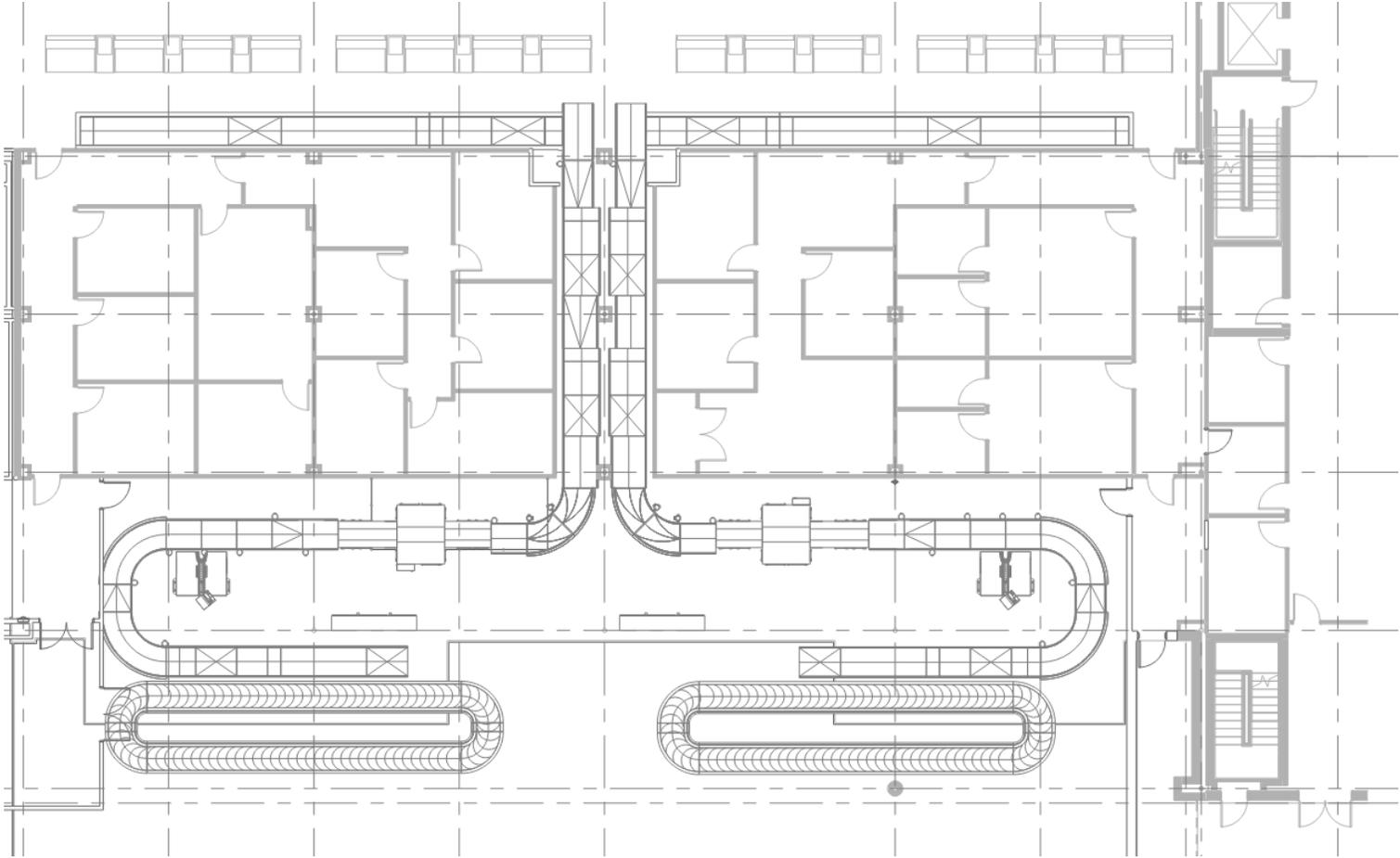
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BHS Design Overview

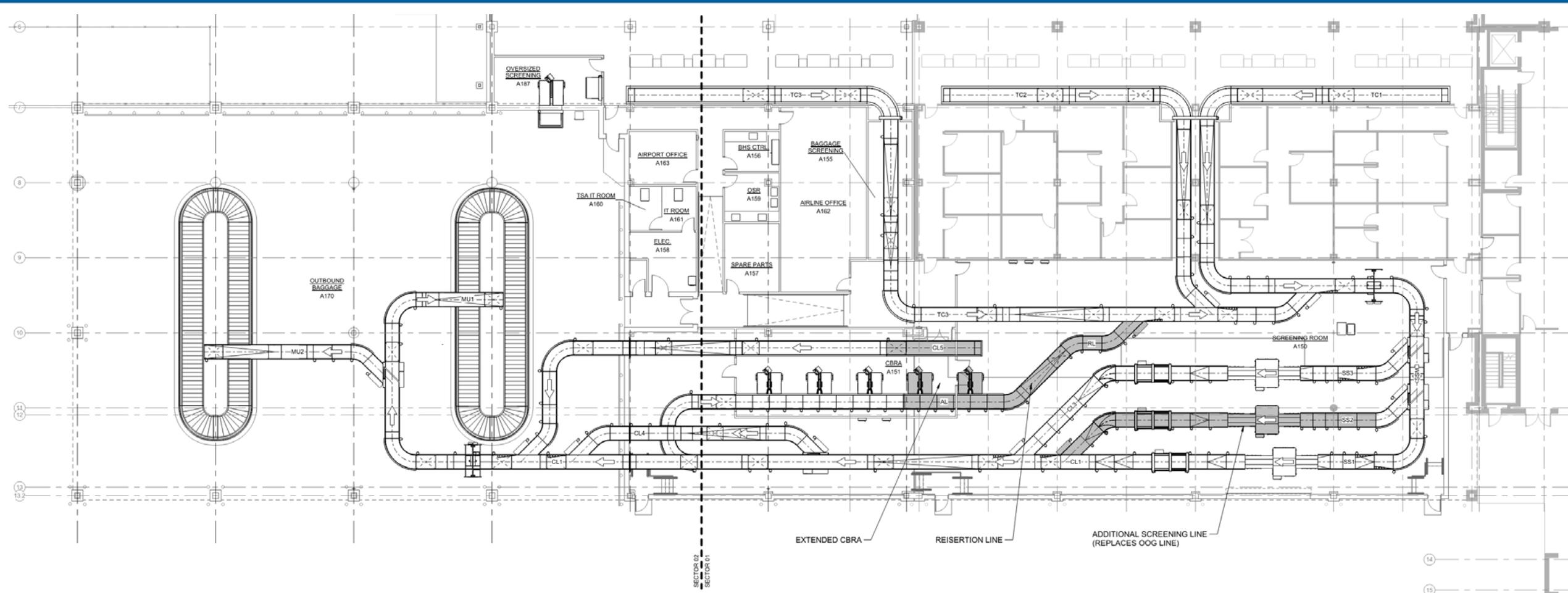


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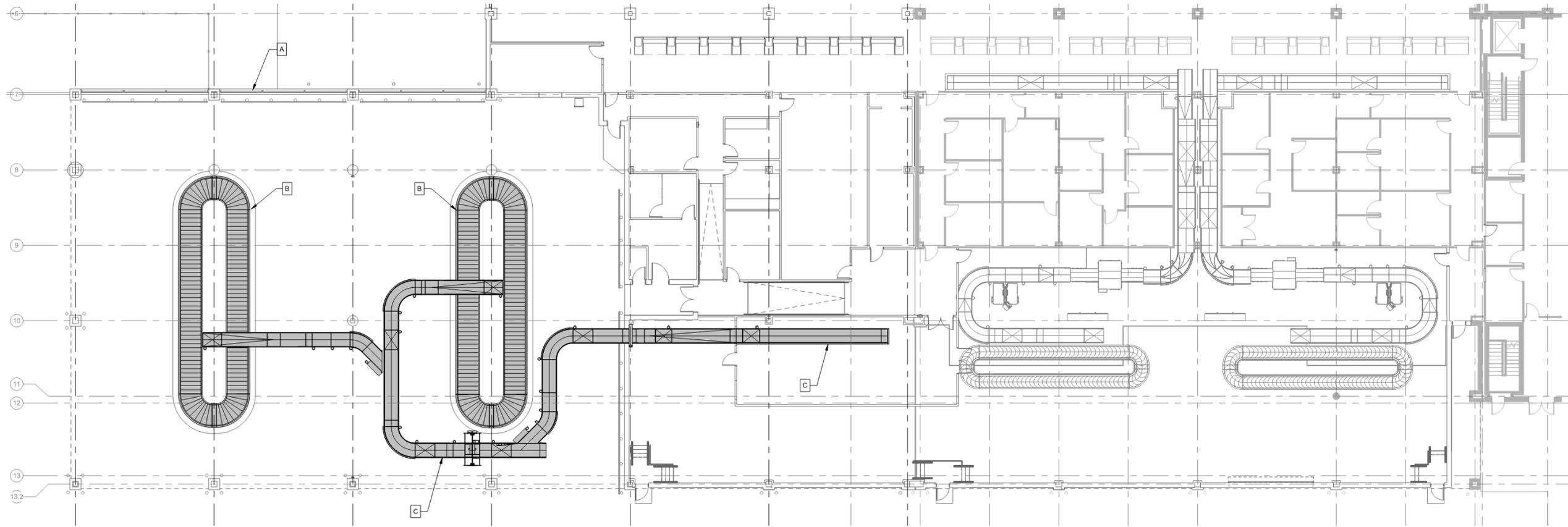
Existing BHS Layout



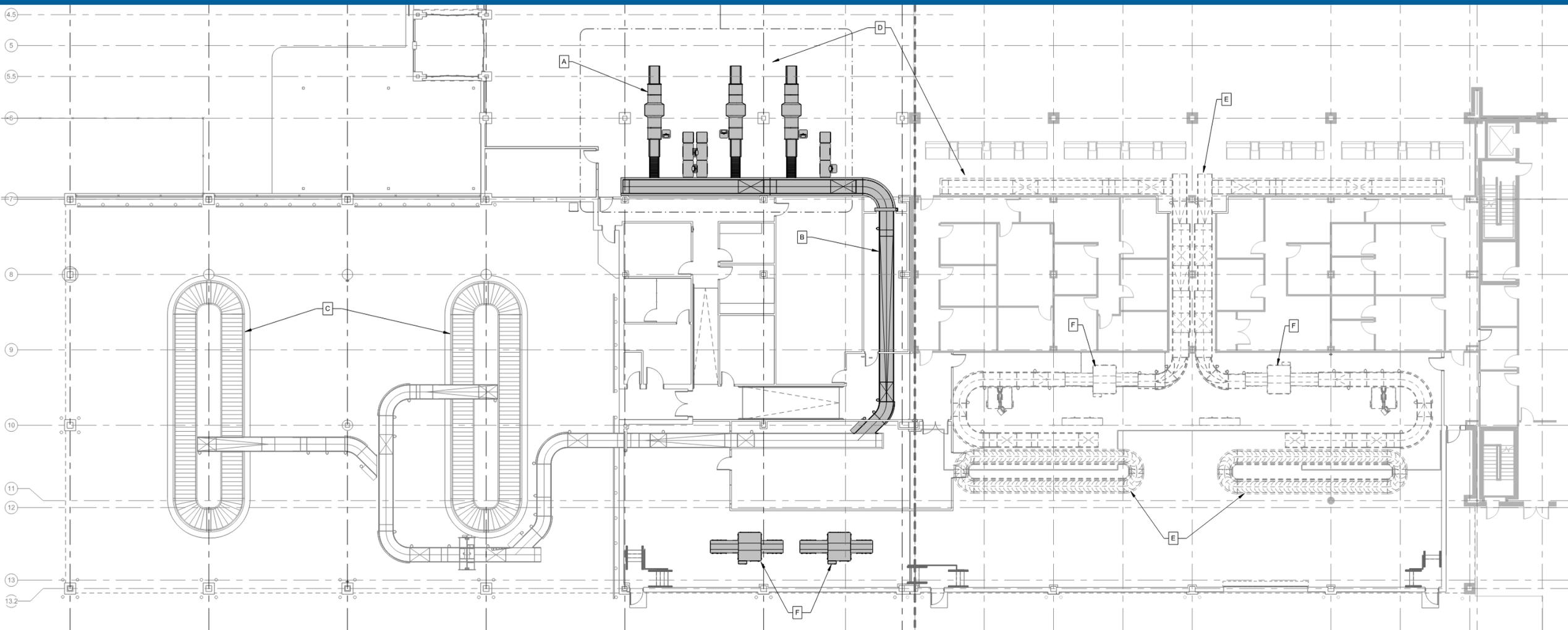
New BHS Layout



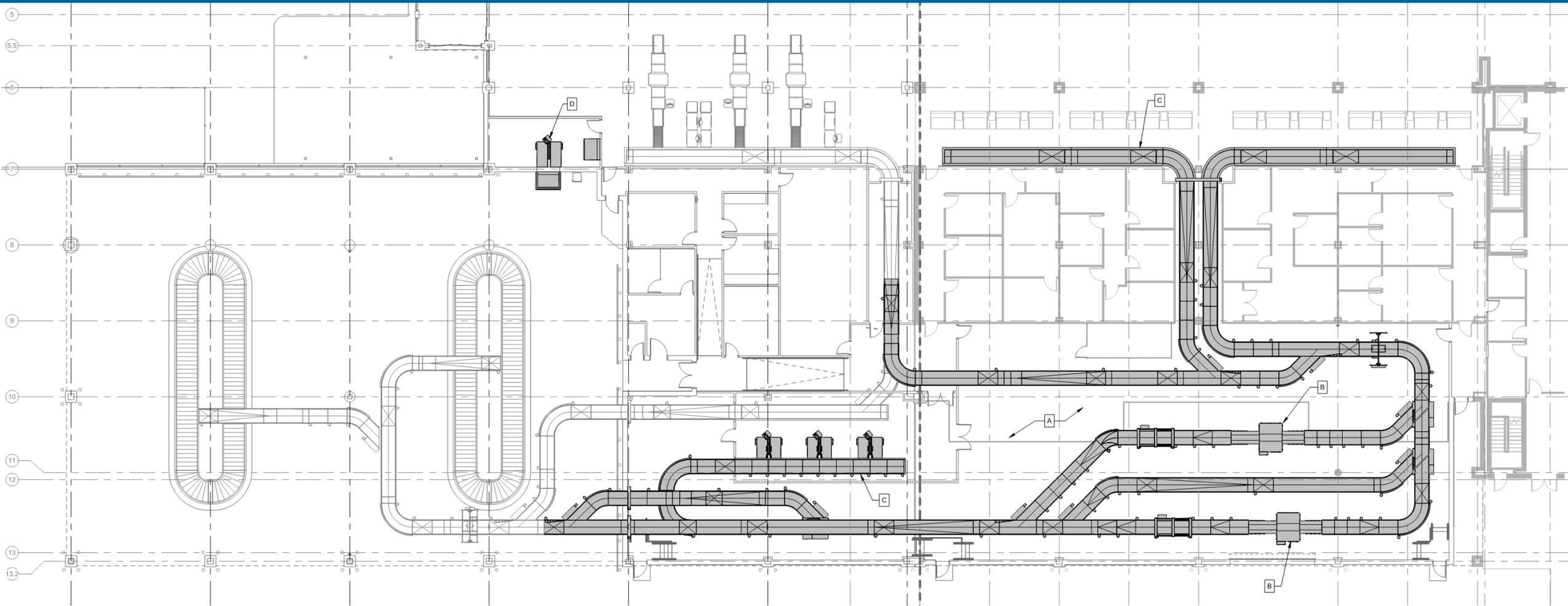
BHS Phasing Plan – Phase I



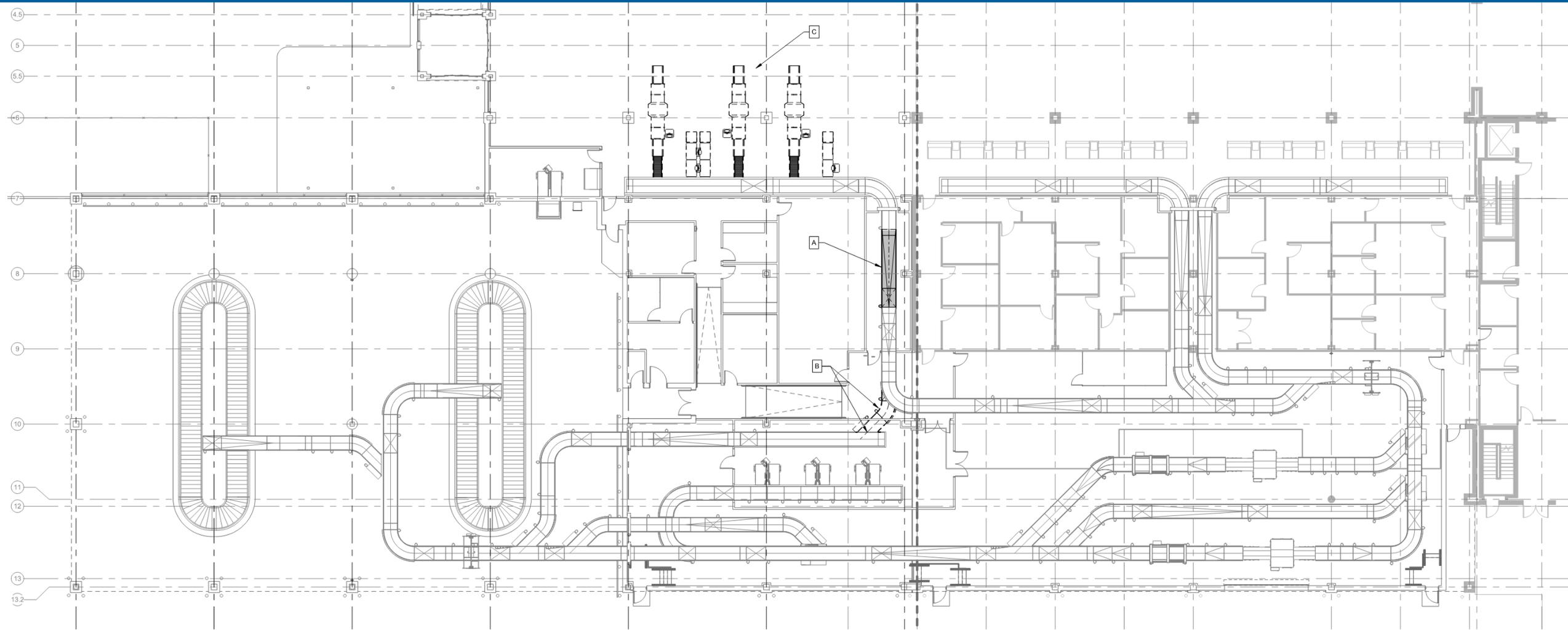
BHS Phasing Plan – Phase 2



BHS Phasing Plan – Phase 3



BHS Phasing Plan – Phase 4



Anticipated Bid Alternates

Anticipated Bid Deduct Alternates to be included with future Addendum

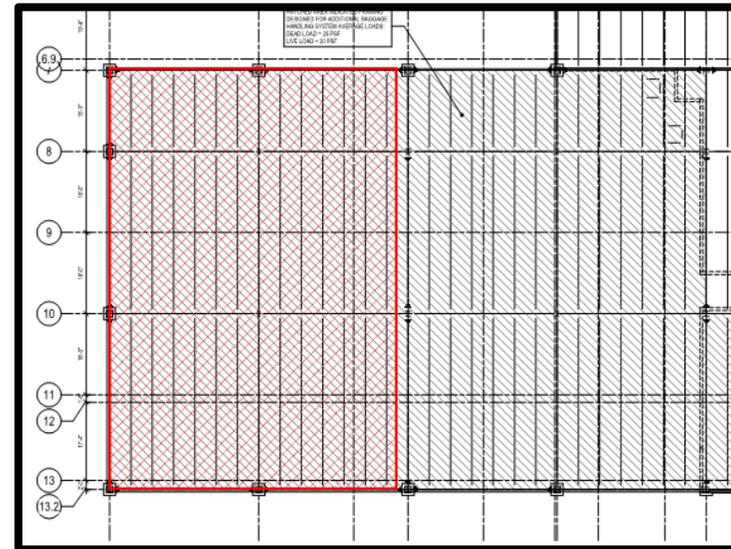
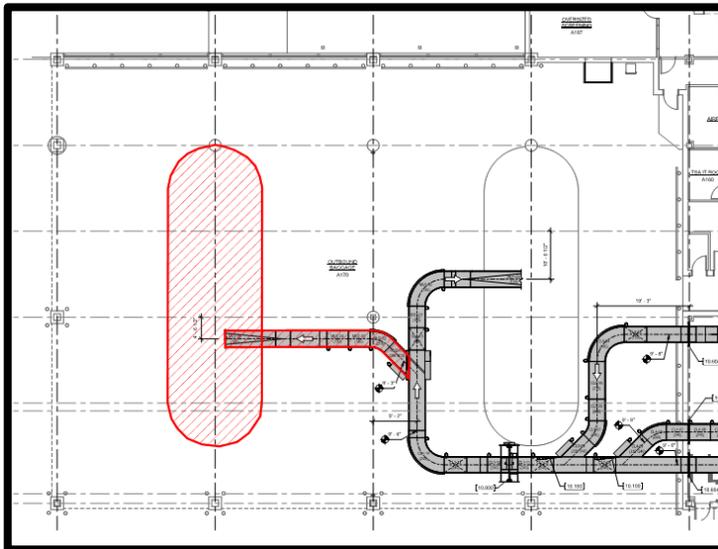
- **Alternate No. 1: West Make-Up Unit**
- **Alternate No. 2: West Vestibule**
- **Alternate No. 3: Conveyor Line TC3**
- **Alternate No. 4: Select BHS Conveyor Motors**



Anticipated Alternate No. 1

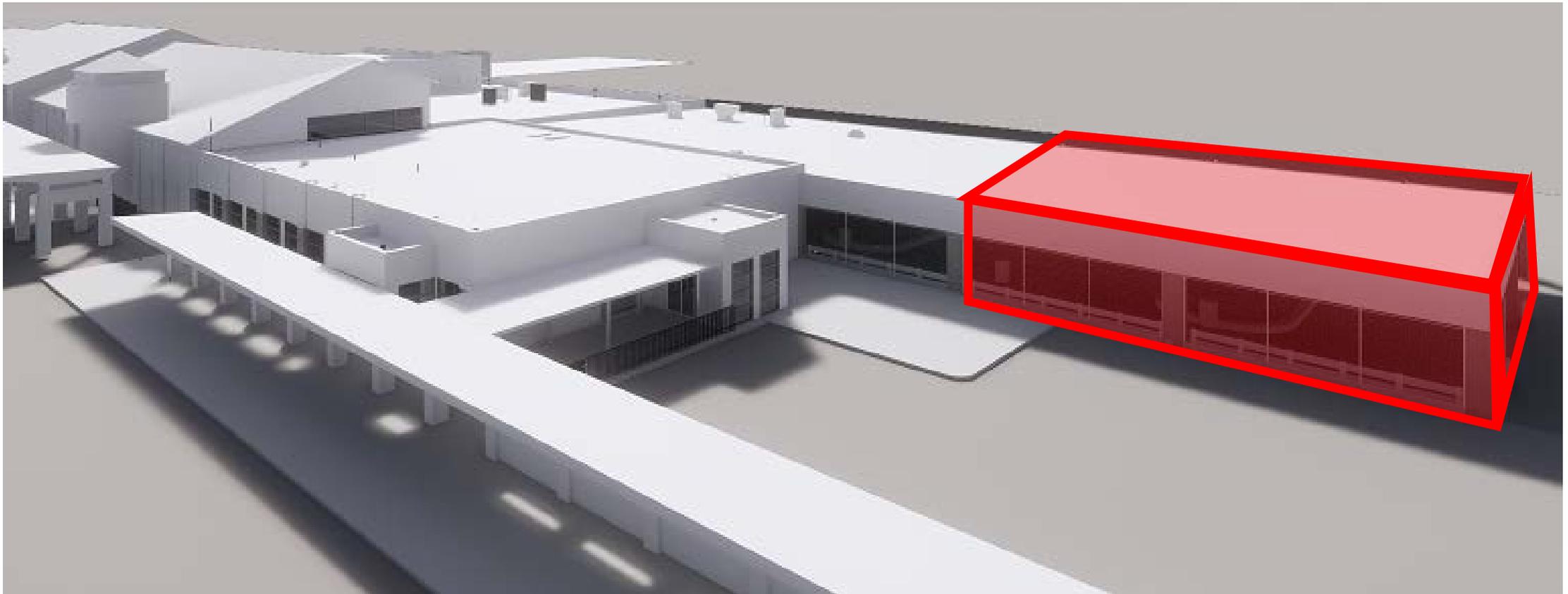
Alternate No. 1: West Make-Up Unit

New west make-up unit including removal of entire MU2 conveyor line including high speed diverter (HSD). Additionally, remove new foundation supporting new west make-up unit, and remove portion of new structure covering new west make-up unit (west of Column Line AB). This includes the removal of all lighting and ventilation equipment as well.



Anticipated Deduct Alternate No. 1

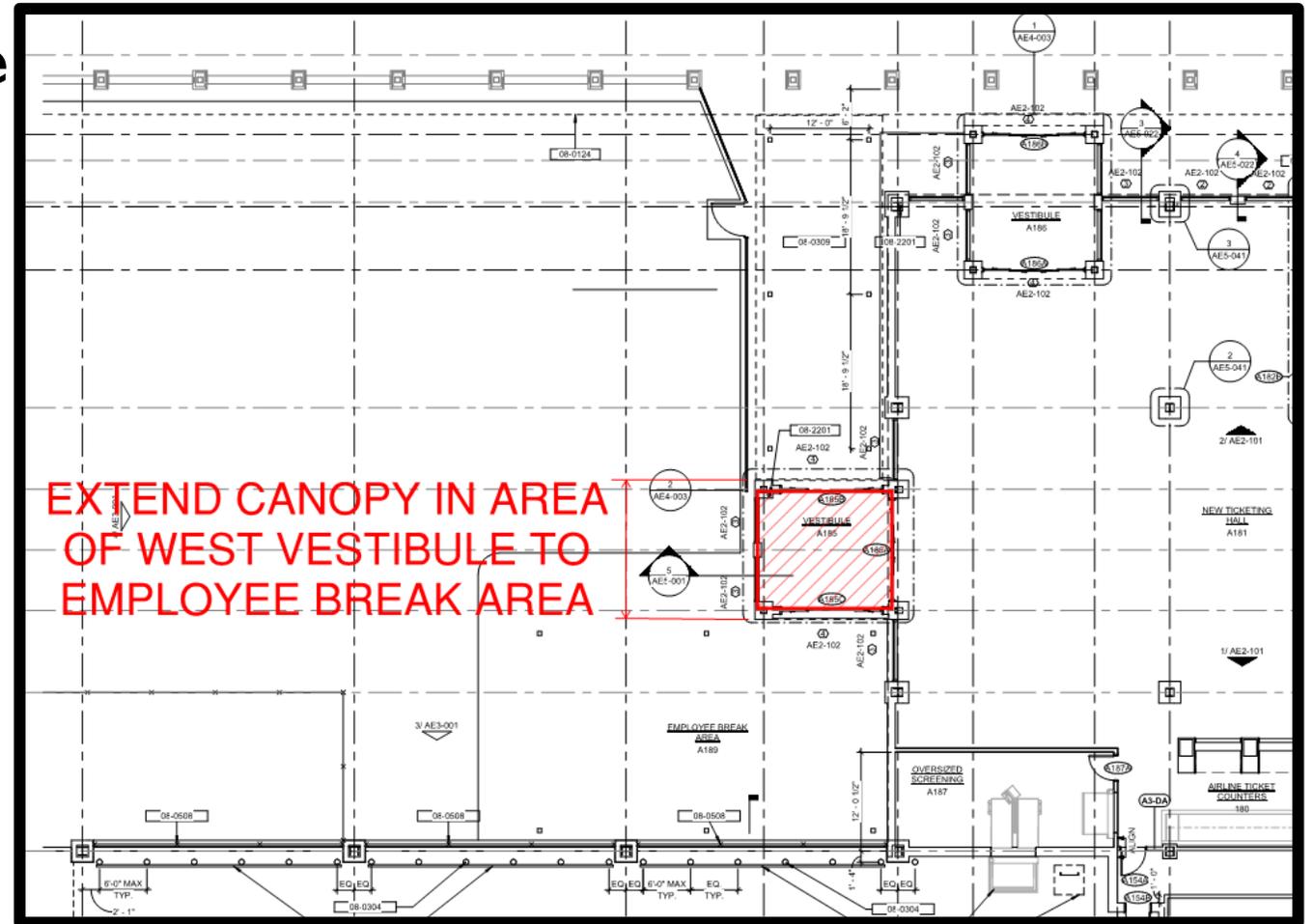
Deduct Alternate No. 1: Remove West Make-Up Unit



Anticipated Alternate No. 2

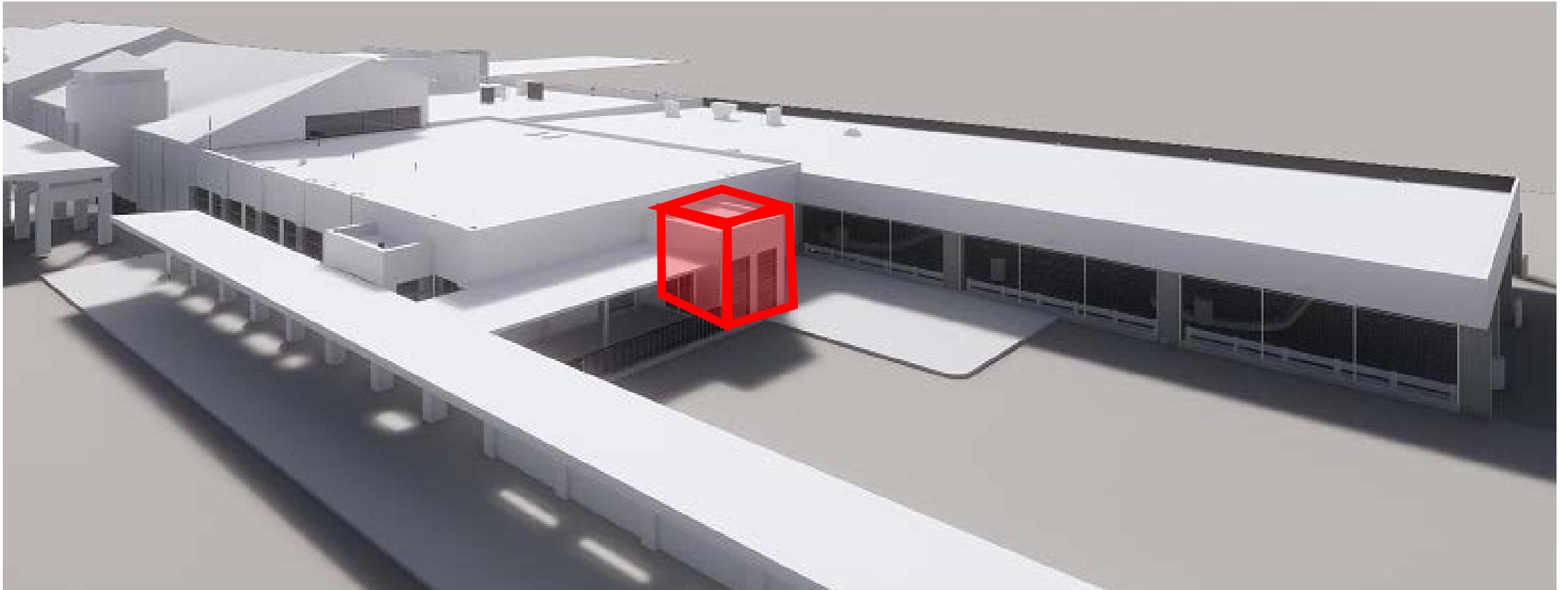
Alternate No. 2: West Vestibule

New west vestibule. Replace with exterior wall panel similar to adjacent. Extend new canopy from vestibule to employee break area.



Anticipated Deduct Alternate No. 2

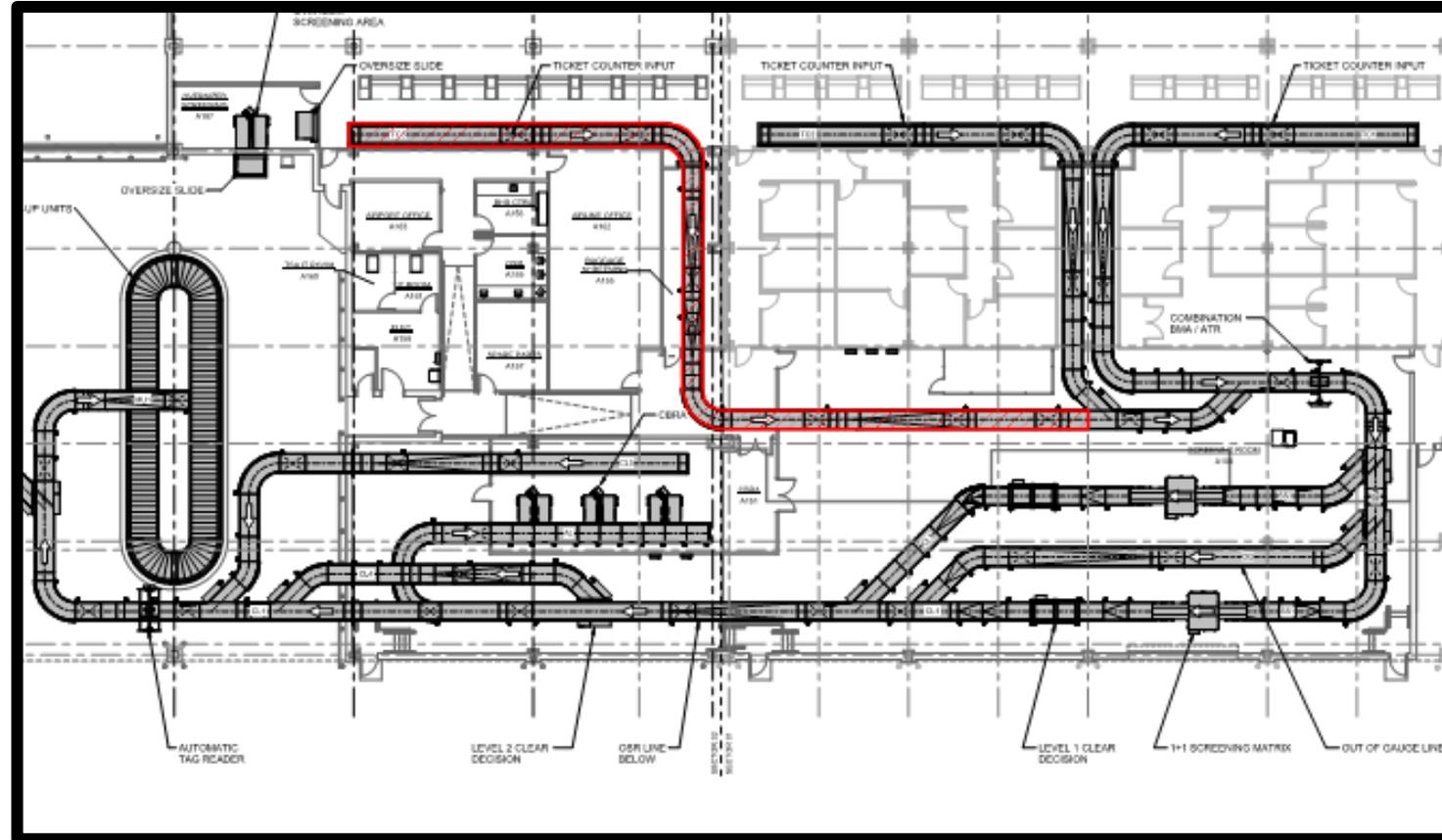
Deduct Alternate No. 2: Remove West Vestibule



Anticipated Alternate No. 3

Alternate No. 3: Conveyor Line TC3

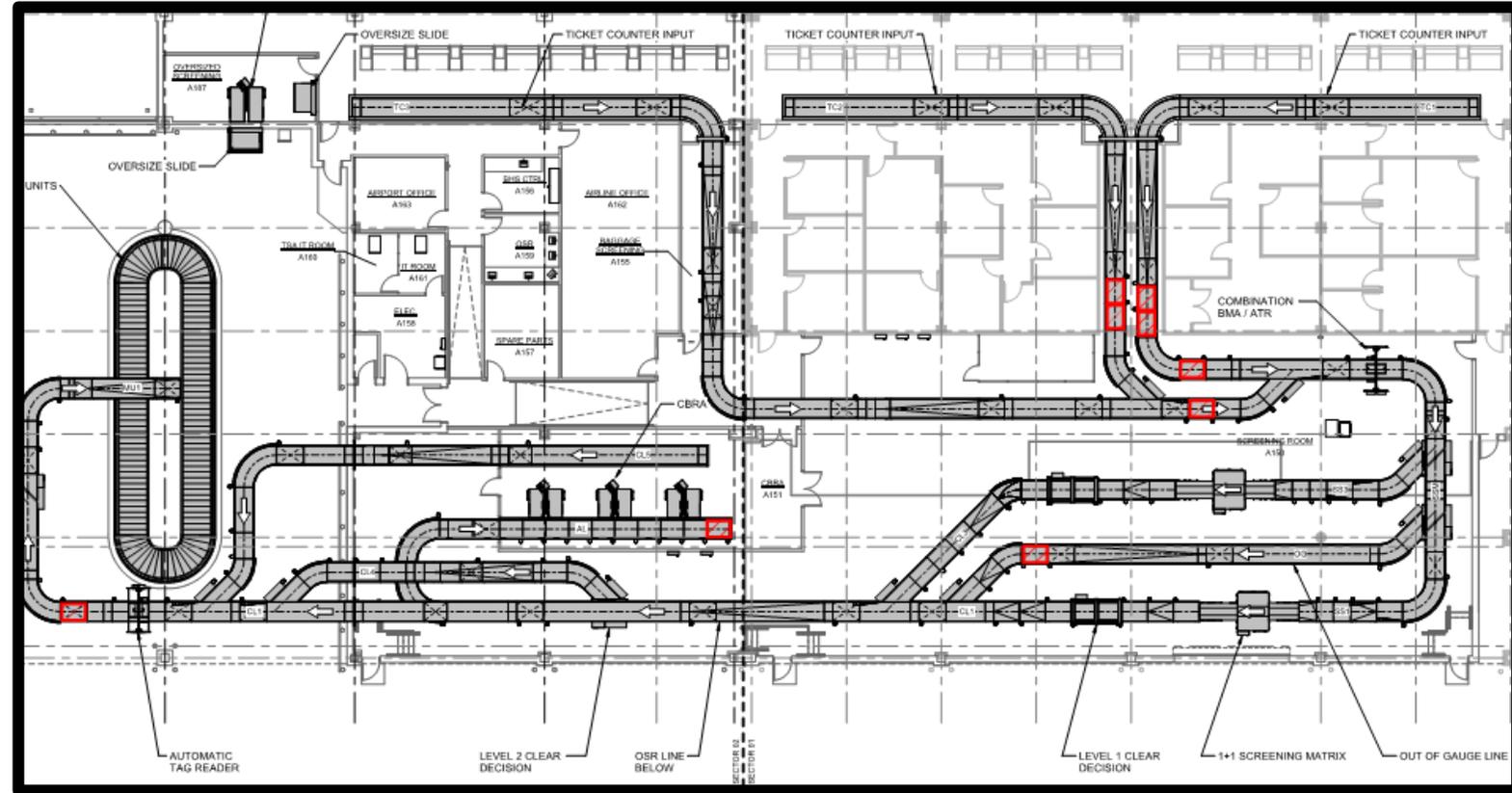
Majority of Conveyor Line TC3 (TC3-01 through TC3-10). Phasing will be accomplished manually without TC3.



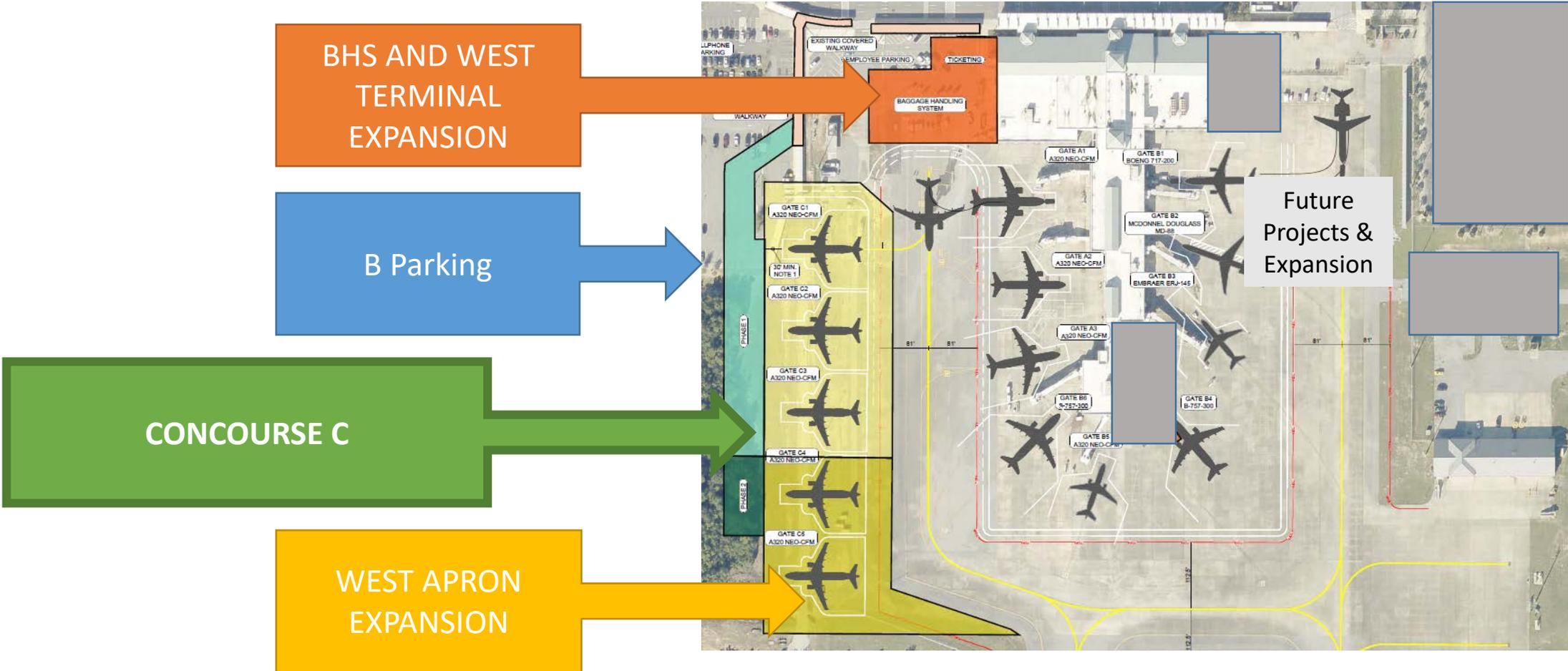
Anticipated Alternate No. 4

Alternate No. 4: Select BHS Conveyor Motors

Motors for portions of Conveyor Lines TCI, TC2, TC3, OG, AL, and CLI and extend adjacent conveyor (TCI-05, TCI-06, TCI-08, TC2-05, TC2-06, TC3-12, OG-05, AL-15, CLI-13).



Surrounding Projects



Project Bid & Construction Schedule

- Bid Responsiveness
 - Provide detailed answers to Contractor's Qualification Questionnaire (BF-16-18)
 - A number of qualifications in the technical specifications regarding manufacturers and installers for various parts of the project
- Intent would be to sign/approve contract and issue NTP for fall start
- Liquidated Damages (\$6-7K/day); see sliding scale on OCSC-6 & 7
 - Overall project substantial/final completion = 420/450 days respectively
- Phasing
 - Refer to CSPP, page 2, and specific sheets within the plans
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Substitutions

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- Substitutions after award process spelled out in Section 012500 of Division 01 general requirements of the technical specifications



Instruction To Bidders

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Use **blue ink** to fill out originals

Be sure to check the purchasing website, DemandStar, and/or BidNet for published addenda



Addenda / Bid Opening

- All questions about the meaning or intent of these Project Documents are to be directed to Issuing Office. Interpretations or clarifications considered necessary by Issuing Office in response to such questions will be issued by Addenda on the Purchasing website and bid net as mentioned above. Questions received after the question deadline may not be answered. Only questions answered by formal written Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.
- Addenda may also be issued to modify these Project Documents as deemed advisable by Owner or Architect/Engineer.

- Last Day for Questions
 - **June 5th 2020**
- Last Day for posted Addenda
 - **June 10th 2020**
- Bids Due/Opening
 - **June 17th 2020 (3:30pm)**

Send Questions to:

Okaloosa County Purchasing Department
5479A Old Bethel Road
Crestview, FL 32536

Email: jdarr@myokaloosa.com

(850) 689-5960



Questions

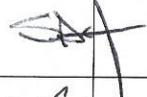
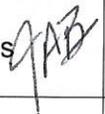


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FORT WALTON BEACH
AIRPORT

PRE-BID CONFERENCE SIGN-IN SHEET

May 28, 2020 at 10:00 a.m. Central
ITB AP 59-20

Construct BHS and West Terminal Expansion
Destin-Fort Walton Beach Airport

| NAME | REPRESENTING | TELEPHONE | E-MAIL ADDRESS |
|--|--------------------------|--------------|------------------------------|
| Tracy Stage  | Okaloosa County Airports | 850-651-7160 | tstage@myokaloosa.com |
| Chad Rogers | Okaloosa County Airports | 850-651-7160 | rrogers@myokaloosa.com |
| Allyson Oury | Okaloosa County Airports | 850-651-7160 | aoury@myokaloosa.com |
| Mike Stenson  | Okaloosa County Airports | 850-651-7160 | mstenson@myokaloosa.com |
| Ray Beasley  | Okaloosa County Airports | 850-651-7160 | rbeasley@myokaloosa.com |
| Oscar Williams | Okaloosa County Airports | 850-651-7160 | owilliams@myokaloosa.com |
| Terry Kerwell | Okaloosa County Airports | 850-651-7160 | tkerwell@myokaloosa.com |
| Scott Hinrichs  | GRAEF | 407-659-6500 | scott.hinrichs@graef-usa.com |
| Jennifer Banks  | VTC | 817-557-5600 | JBanks@vtc.us.com |
| Kent McGilberry | Corgan | 214-757-1757 | Kent.McGilberry@corgan.com |

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|------------------|----------------------------------|---------------------|----------------------------------|
| Dyle E. Whitaker | LORD & SON CONS. BLDG | 850-863 5158 | dyle@lordandson.com |
| Jeff Hyde | Okaloosa Purchase | 850-689-5960 | JHyde@myokaloosa.com |
| Jack Dillon | Whitesell-Grann | 239-258-5596 253 | jdillon@whitesell-grann.com |
| Carey Huff | Bayou | 850-682-2784 | bayoumecheACL.COM |
| Mark Tower | EMERALD COAST CONSTRUCTORS | 850-232-7139 | MARK-2CC@cox.net |
| Michael Irwin | Gulf Atlantic Electric | 850-622-2225 | mirwin@gulflatlanticelectric.com |
| Jessica Damm | OC Purchasing | 850-689-5928 | jdamm@myokaloosa.com |
| | | | |
| | | | |
| | | | |

PRE-BID CONFERENCE (ZOOM- Virtual Meeting) SIGN-IN SHEET

May 28, 2020 at 10:00 a.m. Central
ITB AP 59-20

Construct BHS and West Terminal Expansion
Destin-Fort Walton Beach Airport

| NAME | REPRESENTING | TELEPHONE | E-MAIL ADDRESS |
|------------------|---------------------------|----------------|----------------------------------|
| Jay Bouton | Siemens Logistics, LLC | 1-970-226-4717 | jay.bouton@siemens-logistics.com |
| Luis Espinoza | SouthEastern Construction | 1-863-428-1511 | luise@secm.com |
| Chris Cwiklinski | SouthEastern Construction | 1-863-428-1511 | chrisc@secm.co |
| Joe Ellen | SICK, Inc. | 1-952-941-6780 | joe.ellen@sick.com |
| Frank Goodfinger | SICK, Inc. | 1-952-941-6780 | frank.goodfinger@sick.com |
| Gary Downs | Daifuku | 1-248-419-7264 | Gary.Downs@LoganTeleflex.com |
| Gene Suddeth | Daifuku | 1-248-419-7264 | Gene.Suddeth@LoganTeleflex.com |
| Pete Moore | Daifuku | 1-248-419-7264 | Pete.Moore@LoganTeleflex.com |
| Jim Franczyk | Daifuku | 1-248-419-7264 | Jim.Franczyk@LoganTeleflex.com |
| Nicola Morrow | Daifuku | 1-248-419-7264 | Nicola.Morrow@LoganTeleflex.com |

PRE-BID CONFERENCE (ZOOM- Virtual Meeting) SIGN-IN SHEET

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Construct BHS and West Terminal Expansion
Destin-Fort Walton Beach Airport

| NAME | REPRESENTING | TELEPHONE | E-MAIL ADDRESS |
|-----------------|---------------------------------|----------------|---------------------------------|
| Tony Varda | Daifuku | 1-248-419-7264 | avarda@jerviswebb.com |
| Jim Higdon | JBT AeroTech Corp. | 1-832-549-0758 | Jim.higdon@jbt.com |
| Tommy Futch | Gulf South Electric | 1-850-643-7198 | tfutch@gulfsouthelectricinc.com |
| Katie Guy | Kasa Controls | 1-785-577-0717 | kguy@kasacontrols.com |
| Steve Reed | Kasa Controls | 1-785-825-7181 | sreed@kasacompanies.com |
| Michael Haug | Kasa Controls | 1-785-825-7181 | michaelh@kasacontrols.com |
| Gerald Stanfill | Diversified Conveyors Intl. | 1-502-751-9680 | gstanfill@teamdci.com |
| Josh Silvia | Edwards Electric Services, Inc. | 1-61-604-2346 | jsilvia@edwards-electric.com |
| Paul Lalinsky | Jervis B. Webb Company | 1-248-419-7411 | plalinsky@jerviswebb.com |
| Phillip Nguyen | Automatic Systems Inc | 1-816-365-4252 | Phillip.nguyen@asi.com |

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Construct BHS and West Terminal Expansion
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| NAME | REPRESENTING | TELEPHONE | E-MAIL ADDRESS |
|-----------------|-------------------------|-----------------|----------------------------------|
| Brian Hoppe | Daifuku | 1-248-4719-7421 | bhoppe@jerviswebb.com |
| Billy Whitesell | Whitesell-Green, Inc. | 1-850-434-5311 | bwhitesell@whitesell-green.com |
| Becke Barr | All Texture Drywall | 1-850.758.8358 | atdrywall@gmail.com |
| Tim Buffam | G&S Airport Conveyor | 1-403-230-1140 | tim.buffam@gsairportconveyor.com |
| Mark Bentley | JBT | 1-713-657-5322 | Mark.bentley@jbt.com |
| Matt Gaard | CLX | 1-407-878-2774 | mgaard@clxeng.com |
| Terry Gallagher | CLX | 1-407-878-2774 | tgallagher@clxeng.com |
| David Mason | Yonkers Industries, Inc | 1-407-408-6241 | David.mason@yonkersinc.com |
| Jesse Croley | True Fireproofing | 1-205-305-7792 | jcroley@truefireproofing.com |
| John Gude | Alliant Technologies | 1-817-985-3123 | Joh.gude@atcss.com |

PRE-BID CONFERENCE (ZOOM- Virtual Meeting) SIGN-IN SHEET

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**Construct BHS and West Terminal Expansion
Destin-Fort Walton Beach Airport**

| NAME | REPRESENTING | TELEPHONE | E-MAIL ADDRESS |
|----------------|--|----------------|---------------------------|
| Erik Logan | Archer Western Construction | 1-312-563-5686 | elogan@walshgroup.com |
| Russell Yeager | BEUMER Corporation | 1 469.785.3163 | russell.yeager@beumer.com |
| Tim Fischer | Archer Western | 1-312-563-5402 | tfischer@walshgroup.com |
| Heather Kelsey | Diversified Conveyors | 1-901-333-8364 | hkelsey@teamdci.com |
| Robert King | The Whiting-Turner Contracting Company | 1-804-641-1151 | www.whiting-turner.com |
| Thomas Haag | Archer Western | 1-312-563-8200 | thaag@walshgroup.com |
| Erik Logan | Archer Western | 1-312-563-8200 | elogan@walshgroup.com |
| Tim Fischer | Archer Western | 1-312-563-8200 | tfischer@walshgroup.com |
| Ellen Wilson | Archer Western | 1-312-563-8200 | ewilson@walshgroup.com |
| Amy Chiu | Archer Western | 1-312-563-8200 | achiu@walshgroup.com |

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|------------------|---------------------------------------|----------------|----------------------------------|
| Jessica Ehresman | Archer Western | 1-312-563-8200 | jlehresman@walshgroup.com |
| Hayley Sutton | Archer Western | 1-312-563-8200 | hsutton@walshgroup.com |
| Jenny Lin | Archer Western | 1-312-563-8200 | jlin@walshgroup.com |
| Terry Cooper | Fives Intralogistics Corp. | 1-502-785 9013 | terry.cooper@fivesgroup.com |
| Tim Buffam | G&S Airport Conveyor | 1-403-230-1140 | tim.buffam@gsairportconveyor.com |
| Andrew Lackman | Kokolaskis Contracting | 1-727-942-2211 | alackman@jkokolakis.com |
| Carmen Ramos | Kokolaskis Contracting | 1-727-942-2211 | alackman@jkokolakis.com |
| Carl Leneis | H.A. Contracting Corp. | 1-407-777-6620 | carl@hacontracting.com |
| Shawn Jones | Robson Handling Technology USA Inc | 1-417-844-1891 | Shawn.Jones@robson-usa.com |
| Alexandra Dame | BEUMER Corporation | 1-469-785-3163 | Alexandra.Dame@beumer.com |

PRE-BID CONFERENCE (ZOOM- Virtual Meeting) SIGN-IN SHEET

**May 28, 2020 at 10:00 a.m. Central
ITB AP 59-20**

**Construct BHS and West Terminal Expansion
Destin-Fort Walton Beach Airport**

| NAME | REPRESENTING | TELEPHONE | E-MAIL ADDRESS |
|----------------|--------------------|----------------|---------------------------|
| Terry Hudgins | BEUMER Corporation | 1-469-785-3163 | Terry.Hudgins@beumer.com |
| Cristina Lemke | BEUMER Corporation | 1-469-785-3163 | Cristina.Lemke@beumer.com |
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Bid Schedule
ITB AP 59-20 CONSTRUCT OF BAGGAGE HANDLING
SYSTEM AND WEST TERMINAL EXPANSION at
Destin – Fort Walton Beach Airport (VPS)



| Item Description | Quantity | Unit | Amount |
|------------------|----------|------|--------|
| BASE BID | 1 | Each | |

****If a contractor would like to have a copy of this bid sheet in Excel format, please email jdarr@mvokaloosa.com to request a copy.****

FOR ALL WORK REQUIRED TO PERFORM IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS, SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS, INCLUDING ALL COSTS RELATED TO THE WORK, AND ANY REQUIRED PERMITS, TAXES, BONDS AND INSURANCE, THE UNDERSIGNED SUBMITS A TOTAL BID AMOUNT OF:

BASE BID = TOTAL BID (amount in words):

_____ Dollars and
 _____ cents

(\$ _____)

(Total Amount Bid in numbers)

The undersigned agrees to perform Alternates as described in the Contract Documents for the following cost deductions as a change to the Base Bid stated above.

| Item Description | Quantity | Unit | Deduct Amount |
|---|----------|------|---------------|
| BID ALTERNATE NO. 1: Remove West Make-Up Unit, Conveyor Line MU2, and Portion of Facility West of Column Line AB | 1 | Each | |
| BID ALTERNATE NO. 2: Remove Portion of Conveyor Line TC3 and Select BHS Conveyor Motors | 1 | Each | |

State the amount to be DEDUCTED from the Base Bid for each Alternate as indicated in the drawings and specifications.

The Contractor represents that it has examined the site of the Work and informed itself fully in regard to all conditions pertaining to the place where the work is to be done; that it has examined the plans and specifications for the work and other Contract Documents relative thereto and has read all of the Addenda furnished prior to the opening of the Bids, as acknowledged below; and that it has otherwise fully informed itself regarding the nature, extent, scope and details of the Work to be performed.

If provided with a Notice of Intent to Award the Contract by the Owner, the Contractor shall execute and deliver to the Owner all of the documents required by the Contract Documents, including but not limited to, the Addendum to the Agreement and the Performance and Payment Bonds in the form contained in the Contract Documents, furnish the required evidence of the specified insurance coverages, furnish all necessary permits, license, materials, equipment, machinery, maintenance, tools, apparatus, means of transportation and labor necessary to complete the Work.

Dated and signed at _____, _____, this ____ day of _____, 2020.

(Name of Contractor)

(Authorized Signature)

(Title)

(Mailing Address)

(City, State, Zip)

(Federal ID No. or SS No.)

SECTION 07 81 00 - APPLIED CEMENTITIOUS FIREPROOFING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Sprayed fire resistive materials.
 - 2. Patching and repair of existing applied fireproofing.

1.2 ACTION SUBMITTALS

- A. Product Data: Technical data indicating component materials and dimensions and include construction and application details.
- B. Shop Drawings: Structural framing plans and schedules indicating:
 - 1. Extent of fireproofing for each construction and fire resistance rating.
 - 2. Applicable fire resistance design designations of a qualified testing and inspecting agency acceptable to authorities having jurisdiction.
 - 3. Minimum fireproofing thicknesses needed to achieve required fire resistance rating of each structural component and assembly.
 - 4. For existing applied fireproofing, indicate locations and types of surface preparations required before repairing applied fireproofing.
 - 5. Extent of sprayed fireproofing for each construction and fire resistance rating, including the following:
 - a. Applicable fire resistive design designations of a qualified testing and inspecting agency acceptable to authorities having jurisdiction.
 - b. Minimum thickness necessary to achieve required fire resistance ratings of structural components and assemblies.
 - 6. Treatment of fireproofing after application.
- C. Samples: Submit for each exposed product and for each color and texture specified, 4 inches (102 mm) square in size.
- D. UL Design Numbers: Submit UL Design Numbers and required thickness and location for work.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: Submit data for Installer.
- B. Product Certificates: Submit data for each type of fireproofing.
- C. Evaluation Reports: Submit ICC-ES reports for each type of fireproofing.
- D. Preconstruction Test Reports: Submit test report for fireproofing.
- E. Field quality control reports.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: An entity or individual having minimum 5 years documented experience, who is certified, licensed, or qualified by fireproofing manufacturer as experienced and with sufficient trained staff to install manufacturer's products according to specified requirements.

1. A manufacturer's willingness to sell its sprayed fire resistive materials to Contractor or installer engaged by Contractor does not in itself confer qualification on the buyer.
- B. Technical Representation: Engage manufacturer's technical representative at the site to supervise patching and repair of sprayed resistive fireproofing materials.
- C. Testing Laboratory Qualifications: Independent laboratory complying with ASTM E 699 and having experience and capability to conduct satisfactorily the testing indicated without delaying progress of the work.
- D. Source Limitations: Obtain fireproofing from single source.
- E. Mockups: Build mockups to verify selections, to establish quality standards for materials and execution, and for preconstruction testing.
 1. Build mockup of each type of fireproofing and different substrate and each required finish, in locations agreed upon with the Architect.
 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
 3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
- F. Preconstruction Testing Service: Owner will engage a qualified testing agency to perform preconstruction testing on field mockups of fireproofing.
 1. Field Mockup: In locations agreed to with the Architect.
 - a. Exposed finish and color at Interior Baggage Handling Space.
 2. Patching of Fireproofing: When required by authorities having jurisdiction for existing repaired or patched fireproofing, engage a qualified testing agency to perform preconstruction testing on fireproofing.
 3. Provide test specimens and assemblies representative of proposed materials and construction.
- G. Preconstruction Adhesion and Compatibility Testing: Test for compliance with requirements for specified performance and test methods.
 1. Bond/Adhesion Strength: Test for cohesive and adhesive strength according to ASTM E 736. Provide bond strength indicated in referenced fire-resistance design, but not less than minimum specified.
 2. Density: Test for density according to ASTM E 605. Provide density indicated in referenced fire resistance design, but not less than minimum specified.
 3. Verify that manufacturer, through its own laboratory testing or field experience, attests that primers or coatings are compatible with fireproofing.
 4. Schedule sufficient time for testing and analyzing results to prevent delaying the work.
 5. For materials failing tests, obtain applied fireproofing manufacturer's written instructions for corrective measures including the use of specially formulated bonding agents or primers.
- H. Preinstallation Conference: Conduct conference at site.
 1. Review products, design ratings, restrained and unrestrained conditions, densities, thickness, bond strengths, and other performance requirements.

1.5 COORDINATION

- A. Sequence and coordinate application of sprayed fireproofing with other related work specified elsewhere to comply with the following requirements:

1. Provide temporary enclosure if necessary to confine spraying operations and protect the environment.
2. Avoid unnecessary exposure of fire resistive material to abrasion and other damage likely to occur during construction operations subsequent to its application.
3. Do not apply fire resistive material to metal roof deck substrates until concrete topping, if any, has been completed. For metal roof decks without concrete topping, do not apply fire resistive material to metal roof deck substrates until roofing has been completed; prohibit roof traffic during application and drying of fire resistive material.
4. Do not apply fire resistive material to metal floor deck substrates until concrete topping has been completed.
5. Do not install enclosing or concealing construction until after fire resistive material has been applied, inspected, and tested and corrections have been made to defective applications.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to site in original, unopened packages with intact and legible manufacturer labels identifying product and manufacturer, date of manufacture, shelf life if applicable, and fire resistance ratings applicable to project.
- B. Use materials with limited shelf life within period indicated. Remove from site and discard materials whose shelf life has expired. Store materials inside, under cover, and aboveground; keep dry until ready for use. Remove from project site and discard wet or deteriorated materials.

1.7 FIELD CONDITIONS

- A. Environmental Limitations: Do not apply fireproofing when ambient or substrate temperature is 44 degrees F (7 degrees C) or lower unless temporary protection and heat are provided to maintain temperature at or above this level for 24 hours before, during, and for 24 hours after product application.
- B. Ventilation: Ventilate building spaces during and after application of fireproofing, providing complete air exchanges according to manufacturer's written instructions. Use natural means or forced air circulation until fireproofing dries thoroughly.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Assemblies: Provide fireproofing, including auxiliary materials, according to requirements of each fire resistance design and manufacturer's written instructions.
- B. Fire Resistance Design: Indicated on Drawings, tested according to ASTM E 119 or UL 263; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 1. Steel members are to be considered unrestrained unless specifically noted otherwise.
- C. Provide products containing no detectable asbestos as determined according to the method specified in 40 CFR 763, Subpart E, Appendix E, Section 1 *Polarized Light Microscopy*.

2.2 SPRAYED CEMENTITIOUS FIRE RESISTIVE MATERIALS - INTERIOR A3

- A. ~~Sprayed Cementitious Wet-Mix Fire Resistive Material: Factory mixed, portland cement based, lightweight, dry formulation, complying with indicated fire resistance design, and mixed with water at site to form a slurry or mortar before conveyance and application or conveyed in a dry state and mixed with atomized water at place of application.~~ **Manufacturer's standard, factory-mixed, lightweight, dry formulation, complying with indicated fire-resistance design, and mixed with water at Project site to form a slurry or mortar before conveyance and application.**
- ~~1. Products: Subject to compliance with requirements, provide one of the following:~~
 - a. ~~Carboline Company; RPM International; AD Southwest Fireproofing Type 7HD.~~
 - b. ~~GCP Applied Technologies; Monokote Z146.~~
 - c. ~~Isolatek International, Inc; Fendolite M II.~~
 - d. ~~Southwest Fireproofing Products Co; Type 7HD.~~
 - 2. Basis of Design: Monokote by GCP Applied Technologies. Subject to compliance with requirements, provide basis of design or products by one of the following:**
 - a. **Carboline Company; a subsidiary of RPM International.**
 - b. **Isolatek International.**
 3. Application: Designated for **interior** ~~exterior~~ use by a qualified testing agency acceptable to authorities having jurisdiction.
 - ~~4. Bond Strength: Minimum 6000 lbf/sq. ft. (287.28 kPa) cohesive and adhesive strength based on field testing according to ASTM E 736.~~
 - 5. Bond Strength: Minimum 150 lbf/sq. ft. (7.18-kPa) cohesive and adhesive strength based on field testing according to ASTM E 736. Exterior applications shall have bond strength required by the manufacturer for the climatic conditions for the project location.**
 - ~~6. Density: Not less than 40 lb/cu. ft. (640 kg/cu. m) and as specified in the approved fire-resistance design, according to ASTM E 605.~~
 - 7. Density: Not less than density specified in the approved fire resistance design, according to ASTM E 605.**
 8. Thickness: As required for fire-resistance design indicated, measured according to requirements of fire-resistance design or ASTM E 605, whichever is thicker, but not less than 0.375 inch (9 mm).
 9. Combustion Characteristics: ASTM E 136 ~~or ASTM E 1354.~~
 10. Surface-Burning Characteristics: Comply with ASTM E 84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 - a. Flame-Spread Index: ~~0.~~ **10 or less.**
 - b. Smoke-Developed Index: ~~0.~~ **10 or less.**
 - ~~11. Compressive Strength: Minimum 500 lbf/sq. in. (3445 kPa) according to ASTM E 761.~~
 - 12. Compressive Strength for Interior Applications: Minimum 10 lbf/sq. in. (68.9 kPa) according to ASTM E 761.**
 13. Corrosion Resistance: No evidence of corrosion according to ASTM E 937.
 14. Deflection: No cracking, spalling, or delamination according to ASTM E 759.
 15. Effect of Impact on Bonding: No cracking, spalling, or delamination according to ASTM E 760.
 16. Air Erosion: Maximum weight loss of 0.000 g/sq. ft. (0.000 g/sq. m) in 24 hours according to ASTM E 859.
 17. Fungal Resistance: Treat products with manufacturer's standard antimicrobial formulation to result in no growth on specimens per ASTM G 21 or rating of 10 according to ASTM D 3274 when tested according to ASTM D 3273.
 - 18. Finish (At interior baggage handling space): As selected by Architect from manufacturer's standard finishes. ~~Apply separate topcoat after finishing.~~**
 - ~~19. Top Coat Color: As selected by the Architect.~~

- ~~20. Basis of Design: Monokote by GCP Applied Technologies. Subject to compliance with requirements, provide basis of design or products by one of the following:
 - ~~a. Carboline Company; a subsidiary of RPM International.~~
 - ~~b. GCP Applied Technologies Inc.~~
 - ~~c. Isolatek International.~~
 - ~~d. Pyrok, Inc.~~
 - ~~e. Schundler Company (The).~~
 - ~~f. Southwest Fireproofing Products Co.~~~~
- ~~21. Application: Designated for exterior use by a qualified testing agency acceptable to authorities having jurisdiction.~~
- ~~22. Bond Strength: Minimum 150 lbf/sq. ft. (7.18 kPa) cohesive and adhesive strength based on field testing according to ASTM E 736. Exterior applications shall have bond strength required by the manufacturer for the climatic conditions for the project location.~~
- ~~23. Density: Not less than density specified in the approved fire resistance design, according to ASTM E 605.~~
- ~~24. Thickness: As required for fire resistance design indicated, measured according to requirements of fire resistance design or ASTM E 605, whichever is thicker, but not less than 0.375 inch (9 mm), or as required by the manufacturer for exterior locations for the climatic conditions for where the project is located.~~
- ~~25. Combustion Characteristics: ASTM E 136.~~
- ~~26. Surface Burning Characteristics: Comply with ASTM E 84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 - ~~a. Flame Spread Index: 10 or less.~~
 - ~~b. Smoke Developed Index: 10 or less.~~~~
- ~~27. Compressive Strength: Minimum 100 lbf/sq. in. (689 kPa) according to ASTM E 761.~~
- ~~28. Corrosion Resistance: No evidence of corrosion according to ASTM E 937.~~
- ~~29. Deflection: No cracking, spalling, or delamination according to ASTM E 759.~~
- ~~30. Effect of Impact on Bonding: No cracking, spalling, or delamination according to ASTM E 760.~~
- ~~31. Air Erosion: Maximum weight loss of 0.025 g/sq. ft. (0.270 g/sq. m) in 24 hours according to ASTM E 859.~~
- ~~32. Fungal Resistance: Treat products with antimicrobial formulation to result in no growth on specimens per ASTM G 21.~~
- ~~33. Finish: Spray textured finish.
 - ~~a. Color: Selected by Architect.~~~~

2.3 SPRAYED CEMENTITIOUS FIRE RESISTIVE MATERIALS – EXTERIOR A3

- A. Sprayed Cementitious Wet-Mix Fire Resistive Material: Manufacturer's standard, factory-mixed, lightweight, dry formulation, complying with indicated fire-resistance design, and mixed with water at Project site to form a slurry or mortar before conveyance and application.**
 - 1. Basis of Design: Monokote Z-146T by GCP Applied Technologies. Subject to compliance with requirements, provide basis of design or products by one of the following:
 - a. Carboline Company; a subsidiary of RPM International; Type Pyrocrete 40.**
 - b. Isolatek International; Isolatek Type M-II.****
 - 2. Application: Designated for exterior use by a qualified testing agency acceptable to authorities having jurisdiction.**
 - 3. Bond Strength: Bond Strength: Minimum 1000-lbf/sq. ft. (47.88-kPa) cohesive and adhesive strength based on field testing according to ASTM E736. Exterior applications shall have bond strength as required by the manufacturer for the climatic conditions for the project location.**

4. **Density:** Not less than density specified in the approved fire resistance design, according to ASTM E 605.
5. **Thickness:** As required for fire-resistance design indicated, measured according to requirements of fire-resistance design or ASTM E605, whichever is thicker, but not less than 0.375 inch (9 mm).
6. **Combustion Characteristics:** ASTM E136.
7. **Surface-Burning Characteristics:** Comply with ASTM E84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
8. **Compressive Strength for Interior Applications:** Minimum 450 lbf/sq. in. according to ASTM E 761.
9. **Corrosion Resistance:** No evidence of corrosion according to ASTM E937.
10. **Deflection:** No cracking, spalling, or delamination according to ASTM E759.
11. **Effect of Impact on Bonding:** No cracking, spalling, or delamination according to ASTM E760.
12. **Air Erosion:** Maximum weight loss of 0.025 g/sq. ft. (0.270 g/sq. m) in 24 hours according to ASTM E859.
13. **Fungal Resistance:** Treat products with manufacturer's standard antimicrobial formulation to result in no growth on specimens per ASTM G21 or [rating of 10 according to ASTM D3274 when tested according to ASTM D3273.

2.4 MISCELLANEOUS MATERIALS

- A. Auxiliary Materials: Provide auxiliary materials compatible with fireproofing and substrates and approved by UL in fire resistance designs indicated.
1. Substrate Primers: Primers approved by fireproofing manufacturer and complying with requirements:
 - a. Primer and substrate are identical to those tested in required fire resistance design by UL.
 - b. Primer bond strength in required fire resistance design complies with specified bond strength for fireproofing and with requirements in UL Fire Resistance Directory based on a series of bond tests according to ASTM E 736.
 2. Bonding Agent: Product approved by fireproofing manufacturer and complying with requirements in UL Fire Resistance Directory.
 3. Metal Lath: Expanded metal lath fabricated from material of weight, configuration, and finish required, according to fire resistance designs indicated and fireproofing manufacturer's written instructions. Include clips, lathing accessories, corner beads, and other anchorage devices required to attach lath to substrates and to receive fireproofing.
 4. Reinforcing Fabric: Glass fiber or carbon fiber fabric of type, weight, and form required to comply with fire resistance designs indicated; approved and provided by fireproofing manufacturer.
 5. Reinforcing Mesh: Metallic mesh reinforcement of type, weight, and form required to comply with fire resistance design indicated; approved and provided by fireproofing manufacturer. Include pins and attachment.
- B. **Sealer at Exterior Locations:** Transparent drying, water dispersible, tinted protective coating recommended in writing by fireproofing manufacturer for each fire resistance design. **A3**
- C. ~~Topcoat: Suitable for application over applied fireproofing at exterior locations; of type recommended in writing by fireproofing manufacturer for each fire resistance design. **A3**~~
1. ~~Cement Based Topcoat: Factory mixed, cementitious hard coat formulation for trowel or spray application over SFRM.~~
 - a. ~~Manufacturers: Subject to compliance with requirements, provide products by one of the following:~~

- ~~1) Carboline Company; a subsidiary of RPM International.~~
- ~~2) Isolatek International.~~

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions for compliance with requirements for substrates and other conditions affecting performance of the work and according to each fire resistance design.
 1. Verify substrates are free of dirt, oil, grease, release agents, rolling compounds, mill scale, loose scale, incompatible primers, paints, and encapsulants, or foreign substances capable of impairing bond of fireproofing with substrates under conditions of normal use or fire exposure.
 2. Verify objects penetrating fireproofing, including clips, hangers, support sleeves, and similar items, are securely attached to substrates.
 3. Verify substrates receiving fireproofing are not obstructed by ducts, piping, equipment, or suspended construction that interferes with fireproofing application.
 4. Verify concrete work on steel deck is complete before beginning fireproofing work.
 5. Verify roof construction, installation of rooftop HVAC equipment, and related work are complete before beginning fireproofing work.
- B. Conduct bonding/adhesion, compatibility, and strength tests according to fireproofing manufacturer's written instructions to verify substrates are free of substances capable of interfering with bond.
- C. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the work.
- D. Proceed with installation after correcting unsatisfactory conditions

3.2 PREPARATION

- A. Cover adjacent work subject to damage from fallout or overspray of fireproofing materials during application.
- B. Clean substrates of substances that could impair bond of fireproofing.
- C. Prime substrates where included in fire resistance design and where recommended in writing by fireproofing manufacturer unless compatible shop primer has been applied and is in satisfactory condition to receive fireproofing.
- D. For applications visible on completion, repair substrates to remove surface imperfections that could affect uniformity of texture and thickness in finished surface of fireproofing. Remove minor projections and fill voids that telegraph through fire resistive products after application.

3.3 APPLICATION

- A. Construct fireproofing assemblies identical to fire resistance design indicated and products specified, tested, and substantiated by test reports; for thickness, primers, sealers, topcoats, finishing, and related materials and procedures affecting fireproofing work.

- B. Comply with fireproofing manufacturer's written instructions for mixing materials, application procedures, and types of equipment used to mix, convey, and apply fireproofing; applicable to particular conditions of installation and as required to achieve fire resistance ratings indicated.
- C. Coordinate application of fireproofing with other construction to minimize need to cut or remove fireproofing.
 - 1. Do not begin applying fireproofing until clips, hangers, supports, sleeves, and related items penetrating fireproofing are in place.
 - 2. Defer installing ducts, piping, and similar items that interfere with the application of fireproofing until application is completed.
- D. Metal Decks: A3
 - 1. Do not apply fireproofing to underside of metal deck substrates until concrete topping, if any, is completed.
 - 2. Do not apply fireproofing to underside of metal roof deck until roofing is completed; prohibit roof traffic during application and drying of fireproofing.
 - 3. **At exterior high-density fireproofing, install expanded metal lath per fireproofing manufacturers recommendations.**
- E. Install auxiliary materials as required, as detailed, and in accordance with fire resistance design and fireproofing manufacturer's written instructions for conditions of exposure and intended use. For auxiliary materials, use attachment and anchorage devices of type recommended in writing by fireproofing manufacturer.
- F. Spray apply fireproofing to maximum extent possible. After spraying operation in each area, complete coverage by trowel application or other placement method recommended in writing by fireproofing manufacturer.
- G. Extend fireproofing in full thickness over entire area of each substrate to be protected.
- H. Install body of fireproofing in a single course unless otherwise recommended in writing by fireproofing manufacturer.
- I. For applications over encapsulant materials, including lockdown (post removal) encapsulants, apply fireproofing that differs in color from that of encapsulant over which it is applied.
- J. Where sealers are used, apply products tinted to differentiate new application from fireproofing over which they are applied.
- K. Provide uniform finish complying with description indicated for each type of fireproofing material and matching finish approved for required mockups.
- L. Cure fireproofing according to fireproofing manufacturer's written instructions.
- M. Do not install enclosing or concealing construction until after fireproofing has been applied, inspected, and tested and corrections have been made to deficient applications.
- N. Finishes: Where indicated, apply fireproofing to produce finish:
 - 1. Standard Finishes: Finish according to manufacturer's written instructions for each finish selected.

3.4 APPLICATION

A3

- A. Concealed Sprayed Fireproofing: Apply concealed sprayed fireproofing in thickness and densities not less than those required to achieve fire resistance ratings designated for each condition.
1. Apply water overspray to concealed sprayed fiber fire resistive material if necessary to obtain designated fire resistance rating.
 2. Cure concealed sprayed fireproofing according to product manufacturer's written recommendations.
 3. ~~Apply topcoat to concealed sprayed fireproofing.~~
- B. Exposed Fireproofing: Apply exposed sprayed fireproofing in thickness and densities not less than those required to achieve fire resistance ratings designated for each condition but apply in greater thickness and densities if indicated.
1. Provide uniform finish complying with description indicated for each type of material and matching finish approved for field erected mockup.
 2. Apply exposed cementitious sprayed fireproofing to produce even, spray textured finish, produced by rolling flat surfaces of fire protected members with a damp paint roller to remove drippings and excessive roughness.
 3. Cure exposed sprayed fireproofing according to product manufacturer's written recommendations.
- C. Repaired Fireproofing: Tint topcoat with dye of a different color to indicate areas patched or repaired.

3.5 FIELD QUALITY CONTROL

- A. Special Inspections: Owner will engage a qualified special inspector to perform the following special inspections:
1. Test and inspect as required by the IBC Subsection 1705.14 Sprayed Fire-Resistant Materials.
- B. Perform tests and inspections of completed work in successive stages. Do not proceed with application of fireproofing for the next area until test results for previously completed applications of fireproofing show compliance with requirements. Tested values must equal or exceed values as specified and as indicated and required for approved fire resistance design.
- C. Fireproofing will be considered defective if it does not pass tests and inspections.
1. Remove and replace fireproofing that does not pass tests and inspections, and retest.
 2. Apply additional fireproofing, per manufacturer's written instructions, where test results indicate insufficient thickness, and retest.
- D. Prepare test and inspection reports.

3.6 CLEANING, PROTECTING, AND REPAIRING

- A. Cleaning: Immediately after completing spraying operations in each containable area of Project, remove material overspray and fallout from surfaces of other construction and clean exposed surfaces to remove evidence of soiling.
- B. Protect fireproofing, according to advice of manufacturer and Installer, from damage resulting from construction operations or other causes, so fireproofing is without damage or deterioration at time of Substantial Completion.

- C. As installation of other construction proceeds, inspect fireproofing and repair damaged areas and fireproofing removed due to work of other trades.
- D. Repair or replace work that has not successfully protected steel.
- E. Repair fireproofing damaged by other work before concealing with other construction. Repair fireproofing by reapplying it using same method as original installation or using manufacturer's recommended trowel applied product.

END OF SECTION

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SECTION 10 73 40 - LIGHTWEIGHT SHADE STRUCTURES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
1. Shade structure framing.
 - a. Self-supported; base-contract shall be an assembly which does not require anchorage to the building structure.
 2. Foundations, footers, and supports.
 3. Fabric canopy, with anchorage devices to permit dismounting during wind storms.

1.2 ACTION SUBMITTALS

- A. Product Data: Technical data including styles, material descriptions, construction details, fabrication details, dimensions of individual components and profiles, hardware, fittings, mounting accessories, features, and finishes.
1. Include rated capacities, operating characteristics, electrical characteristics, and furnished specialties and accessories.
- B. Shop Drawings: Submit plans, elevations, sections, structural components, mounting heights, and attachment details.
1. Detail fabrication and assembly including seam layout, spacing, and orientation of structure fabric.
 2. Indicate foundations, footings, structural supports, and layout shade structure including reinforcement and supplementary structural support.
 3. Indicate fasteners, weld patterns, cuts, copes, connections, and holes.
 4. Include diagrams for power, signal, and control wiring.
- C. Samples:
1. Fabric: 12 inch (300 mm) square section of fabric from dye lot to be used with specified treatments applied. Mark face of fabric.
 2. Seam, Edge, and Corner Condition: Minimum 12 inch (300 mm) long section showing seam, edge, and corner treatment.
 3. Frame Finish: Minimum 6 inch (150 mm) lengths.
- D. Design Calculations: Structural analysis data and calculations indicating wind and seismic load requirements signed and sealed by the qualified professional engineer responsible for their preparation to certify conformance with project specific design loads and governing code requirements and requirements indicated on the drawings.

1.3 INFORMATIONAL SUBMITTALS

- A. Welding certificates.

1.4 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: Submit data to include in operation and maintenance manuals.

1.5 QUALITY ASSURANCE

- A. Regulatory Requirements:
 - 1. Welding Qualifications: Qualify procedures and personnel according to:
 - a. AWS D1.1/D1.1M Structural Welding Code - Steel.
 - b. AWS D1.2/D1.2M Structural Welding Code - Aluminum.
- B. Fabricator/Installer Qualifications: Entity having minimum 10 years documented experience who designs, engineers, fabricates, and installs custom shade structures and who employs skilled workers who custom fabricate products similar to those required.
- C. Source Limitations: Obtain shade structures from single source.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store and handle shade structure components as recommended by manufacturer. Handle and store to prevent avoid deforming members and to avoid excessive stresses.

1.7 FIELD CONDITIONS

- A. Field Measurements: Verify actual dimensions of prior to preparation of shop drawings and fabrication.
 - 1. Allow for adjustments within specified tolerations wherever taking of field measurements before fabrication might delay work.

1.8 WARRANTY

- A. Written warranty signed by manufacturer in which manufacturer and fabricator agree to repair or replace components of awnings that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Structural failures including framework.
 - b. Deterioration of fabric including seam failure.
 - c. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 - 2. Fabric Structure Warranty Period: Ten years from date of Substantial Completion.
 - 3. Fabric Warranty Period: Ten years from date of Substantial Completion.
 - 4. Thread Warranty Period: Ten years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A3

- A. Delegated Design: Design supports, including comprehensive engineering analysis by a qualified professional engineer licensed in the State of ~~Florida~~ Texas, using performance requirements and design criteria indicated.
- B. Structural Performance: Shade structure shall withstand the loads and stresses within limits and under conditions indicated according to ASCE/SEI 7:
 - 1. Live Load: Minimum 20 psf minimum.

2. Structural Design for Wind Forces: Indicated on Drawings, comply with ANSI A58.1.
 3. Wind Design Speed: 140 mph, Exposure Classification C.
 4. Importance Factor: 1.0.
 5. Stability Criteria: Comply with applicable building codes.
 6. Design structural members to comply with deflection criteria of L/180.
 7. Design footings for maximum bearing pressure of 1,500 psf.
- C. Provide structure capable of sustaining severe icing, hail, hurricane force winds and supporting concentrated load such as being walked upon.
1. Fire Test Response Characteristics: Provide fabrics with fire test response characteristics indicated, determined by testing identical products according to test method indicated below by UL:
 - a. Flame Resistance Ratings: Passes NFPA 701.
 - b. Surface Burning Characteristics: Comply with ASTM E 84; testing by a qualified testing agency for Flame Spread Index of 25 or less.
 - c. Permanently attach label to each awning fabric indicating whether fabric is inherently and permanently flame resistant or is treated with flame retardant chemicals, and whether it requires retreatment after designated time period or cleaning.
- D. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes.
1. Temperature Change: 120 degrees F (67 degrees C), ambient; 180 degrees F (100 degrees C), material surfaces.

2.2 MATERIALS

A3

- A. Manufacturer: Subject to compliance with requirements, provide shade structures by one of the following:
1. Eide Structures.
 2. Shade and Solar Solutions.
 3. Shelter Structures.
 4. Sunports International, Inc.
 5. **Tenshon Shade Structures.**
- B. Fabric: UV stabilized, stentored, high density polyethylene, and monofilament and tape construction; knitted fabric that will not unravel when cut.
1. Fiber Content: Solution dyed acrylic.
 2. Strengthen corners with non-tear vinyl.
 3. Physical Properties:

SOLID COLORS

| | |
|-----------------|-----------------|
| Burst Strength: | 37.7 psi |
| Fabric Mass: | 6.8 ozm |
| Tear Strength: | 220.4 lb (warp) |
| | 462.9 lb (weft) |

- a. Fire Rating: comply with ASTM E84: Minimum flame spread index of 15 with smoke development index of 15.
- b. UVB Block: Color certified by AMC Cancer Research Center to block 90% or more of the UV radiation.
- c. Mildew Resistance: Showing no growth when tested according to ASTM G 21.
- d. Shrinkage: Not greater than 1 percent according to ASTM D 1204.

- e. Stretch Factor: Not less than 4 percent according to ASTM D 4851.
- C. Frame and Accessory: Four post structure, hipped canopy; configuration indicated on Drawings.
- 1. Steel:
 - a. Steel Plates, Shapes, and Bars: ASTM A 36/A 36M.
 - b. Steel Tubing: ASTM A 500/A 500M.
 - c. Galvanized Steel Tubing: ASTM A 787/A 787M.
 - d. Steel Pipe: ASTM A 53/A 53M, Standard Weight (Schedule 40).
 - 2. Aluminum: Alloy and temper recommended by awning manufacturer for type of use and finish indicated and with not less than the strength and durability properties of alloy and temper required by structural loads.
 - a. Aluminum Plate and Sheet: ASTM B 209 (ASTM B 209M).
 - b. Aluminum Extrusions: ASTM B 221 (ASTM B 221M).
 - c. Extruded Structural Pipe and Round Tubing: ASTM B 429/B 429M, standard weight (Schedule 40).
 - d. Drawn Seamless Tubing: ASTM B 210 (ASTM B 210M).
 - 3. Tensioning Cable: ASTM A603, galvanized with a UV resistant vinyl cladding to eliminate fabric wear. Sized to comply with structural performance.
 - 4. Anchors, Fasteners, Fittings, Hardware, and Installation Accessories: Complying with performance requirements indicated and suitable for exposure conditions, supporting structure, anchoring substrates, and installation methods indicated. Corrosion resistant or noncorrodible units; weather resistant, tamperproof, vandal and theft resistant, compatible, nonstaining materials. Provide as required for awning assembly, mounting, and secure attachment. Number necessary to comply with performance requirements and to maintain uniform appearance; evenly spaced. Where exposed to view, provide finish and color as selected by Architect from manufacturer's full range.
 - a. Wood Screws: ASME B18.6.1.
 - b. Lag Bolts: ASME B18.2.1 (ASME B18.2.3.8M).
 - c. Steel Bolts and Nuts: Regular hexagon-head bolts, ASTM A 325, Type 3 (ASTM A 325M, Type 3); with hex nuts, ASTM A 563, Grade C3 (ASTM A 563M, Class 8S3); and, where indicated, flat washers.
 - d. Expansion Anchors: Anchor bolt and sleeve assembly with capability to sustain, without failure, a load equal to six times the load imposed when installed in unit masonry assemblies and equal to four times the load imposed when installed in concrete as determined by testing according to ASTM E 488 conducted by a qualified independent testing and inspecting agency.
 - 1) Material: Stainless steel with bolts and nuts complying with ASTM F 593 and ASTM F 594, Alloy Group 1 or 2 (ASTM F 738M and ASTM F 836M, Grade A1 or A4).
 - e. Adhesive Bonded Anchors: Anchor bolt and sleeve assembly with capability to sustain, without failure, a load equal to six times the load imposed when installed in unit masonry assemblies and equal to four times the load imposed when installed in concrete as determined by testing according to ASTM E 1512 conducted by a qualified independent testing and inspecting agency.
 - 1) Material: Stainless steel with bolts and nuts complying with ASTM F 593 and ASTM F 594, Alloy Group 1 or 2 (ASTM F 738M and ASTM F 836M, Grade A1 or A4).
 - f. Grommets: Stainless steel, No. 2.
 - g. Lacing: 100 percent polyester, braided No. 4.
 - 5. Galvanizing Repair Paint: High zinc dust content paint for regalvanizing welds in steel, complying with SSPC-Paint 20.

6. Bituminous Paint: Cold applied asphalt emulsion complying with ASTM D 1187.

D. Foundation and Footings: Design and construct foundations in accordance with governing codes and ordinances.

1. Concrete: ACI 316, comply with requirements of Section 033000, minimum, 3000 psi, 28 day strength, in accordance with ACI 318 or site mixed concrete consisting of 5 sacks of Portland cement complying with ASTM C150, per cubic yard of wet concrete combined with fine aggregate, clean water, and mixed in proportions to attain minimum 28 day compressive strength of not less than 3,000 psi.

2.3 FABRICATION

A. Fabric: Reinforce wear points and hardware attachment points with polypropylene mesh webbing. Seam fabrics in locations indicated on the Drawings:

1. Fabric Edges and Seams: Fold and stitch selvage and cut fabric edges.
2. Fabric Edges and Seams: Hot cut and sealed.
3. Fabric Edges and Seams: Adhesively bonded.
4. Fabric Attachment: Grommets.
 - a. Grommet Spacing: 6 inches (150 mm) o.c.
5. Insets: Heat sealed and sewn in process.

B. Frame Fabrication: Fabricate frame and supports from steel. Preassemble in shop to greatest extent possible. Disassemble units as necessary for shipping and handling limitations. Use connections that maintain structural value of joined pieces. Clearly mark units for reassembly and coordinated installation. Form bent metal corners to smallest radius possible without causing grain separation or otherwise impairing work.

1. Form exposed work true to line and level with accurate angles and surfaces and straight edges.
2. Form exposed connections with hairline joints, flush and smooth, using concealed fasteners where possible. Fabricate slip fit connections exposed to weather to exclude water. Provide weep holes where water may accumulate.
3. Weld corners and connections continuously. Obtain fusion without undercut or overlap. Remove welding flux immediately. At exposed corners and connections, finish exposed welds and surfaces smooth and blended so no roughness shows after finishing and contour of welded surface matches that of adjacent surface.
4. Provide for anchorage; coordinate with supporting structure. Space anchoring devices to secure shade fabric in place.

2.4 FINISHES

A. Aluminum:

1. Baked Enamel or Powder Coat Finish: AAMA 2603 except with a minimum dry film thickness of 1.5 mils (0.04 mm). Comply with coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish.
 - a. Color and Gloss: Selected by Architect.

B. Steel Finish: Baked enamel or powder coat finish complying with finish manufacturer's written instructions for surface preparation including pretreatment, application, baking, and minimum dry film thickness.

1. Color: Selected by Architect.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions for compliance with requirements for supporting members, blocking, inserts, installation tolerances, accurate locations of connections to building electrical system, lighting, and other conditions affecting performance of the work.
- B. Proceed with installation after correcting unsatisfactory conditions.

3.2 INSTALLATION

- A. Comply with manufacturer's instructions.
- B. Install columns at location and in position indicated. Set columns accurately and fix in position by securely attaching to base plate or by direct embedment according to manufacturer's instructions and engineering requirements and approved shop drawings.
- C. Weld frame connections that are not left as exposed joints but cannot be shop welded.
 - 1. Field Welding: Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
 - a. Obtain fusion without undercut or overlap.
 - b. Remove welding flux immediately.
 - c. At exposed connections, finish exposed welds and surfaces smooth and blended so no roughness shows after finishing and contour of welded surface matches that of adjacent surface.
- D. Install fabric, adjust canopy tension cable to maintain a tight fit over framing members.

3.3 CLEANING AND PROTECTION

- A. Damaged Units: Replace damaged and deteriorated components that cannot be successfully repaired to touched up.
- B. Cleaning: Remove protective coverings at time in project construction sequence that provide greatest protection of work. Clean finished surfaces to comply with recommendations of manufacturer.
- C. Protection: Protect completed work ensuring fabric structure will be without damage or deterioration at time of Substantial Completion.

END OF SECTION

K. Area 2, Zone 7 – CBRA

1. Level 3 – Explosive Trace Detection (ETD) Screening: All Alarmed, Error, Lost-In-Track, missed diverts, OOG bags, and unresolved OSR bags, must be transported to the CBRA.
2. Bags must be delivered to the CBRA utilizing queues. CBRA queuing method must follow functionalities described in PGDS.
3. Bags must be tracked on the alarm line queues arriving at the designated search work stations. Bags arriving on the queue may display an “unknown” status on the Bag Removal Point (BRP) HMI.
4. Bags with “unknown” status will be carted to transport baggage from CBRA to reinsert belt.
5. Sequence of CBRA operation must meet procedures described in PGDS.
6. After screening the bag, the TSO will either “Alarm” or “Clear” the bag.
 - a. Alarmed Bags must be processed in accordance with the local Law Enforcement Officer (LEO) procedures.
 - b. Cleared Bags must be placed on the ALCL conveyor for transport to the baggage make-up area. The bag must be logged in the BDR as an “ETD Cleared” bag, along with the Workstation ID.

L. Area 3 – Cleared Baggage Subsystem

1. The Cleared Baggage Subsystem consists of:
 - a. Level 1 (EDS) Clear Decision Point to Make-up Area
 - b. Level 2 (OSR) Clear Decision Point to Make-up Area
 - c. Level 3 (ETD) Clear Lines to Make-up Area
2. Primary sortation ATR through secondary sortation to individual make-up or sort pier devices.
 - a. The primary sortation system consists of an ATR identifying the sort destination via the IATA bar code utilized on the bag tag.
 - b. Cleared bags which read correctly are directed to a divert point to be transported to the appropriate make-up device or sort pier.
 - c. In the event of a no-read by the ATR, the bag must be identified as no-read in the BDR, and sent to the manual encode station, the default make-up device, or the sort pier.

PART 2 - PRODUCTS

2.01 MECHANICAL

A. Drives

1. Motors

- a. All motors as manufactured by:
 - 1) Lenze 8400 Motec
 - 2) SEW
- b. General
 - 1) The conveyors must be driven by AC induction motors that conform to NEMA standards.
 - 2) Conveyors designed to be utilized as queues or in high cycle applications must have high efficiency motors.

- 3) All other conveyors must have premium efficiency motors.
- 4) Motors must be sized for maximum load and belt speed requirements under continuous operation (minimum of 2 Horse Power (HP)) and, where applicable, must be capable of withstanding shock caused by frequent starting and stopping under load conditions.
- 5) Motors must also be of the constant speed (nominal 1800 Revolutions Per Minute (RPM)), continuous service, and ball-bearing type with a minimum of class "F" insulation.
- 6) All motors must be copper-wound, Totally Enclosed Fan Cooled (TEFC) construction, with a NEMA T-frame, and must be provided with overload protection in the control panel.
- 7) The service factor for motors must be a minimum of 1.15.
- 8) On inclines and declines 10 degrees or greater, motors must be equipped with automatically applied mechanical brakes to prevent overrun after the motors are de-energized.

2. Reducers

A3

- a. All reducers as manufactured by:
 - 1) Lenze, G500 gearbox
 - 2) SEW – KT Series
- b. Reducers must be right-angle helical bevel, shaft mounted, and with integral or C-Faced motors. All reducers must be mounted with concentric taper-lock type hub or manufacturer's approved concentric locking device.
- c. All reducers must be sized for Class II application.
- d. All shaft mounted reducers must be capable of being installed in the A and B position (left hand/right hand).
- e. All reducers must be equipped with drip pans that are constructed as:
 - 1) A minimum 14 gauge sheet metal with a minimum depth of ¾".
 - 2) Drip pan must be fitted with a non-leaking drain plug.
 - 3) Drip pan must be painted to match conveyor color.
 - 4) Drip pan must be sized to match drive and catch all dripping fluids.

B. Pulley Assemblies

1. General

- a. All pulleys must be equipped with taper lock type hubs, and 1-7/16" minimum diameter AISI 1045 TG&P shafts mounted in precision and ground flange type ball bearing units.
- b. All pulleys must be single piece steel construction and have steel end discs attached to the rim by continuous welding. Welding of shafts to end discs is not permitted.
- c. All pulley and shaft assemblies must have a maximum concentricity tolerance of 0.060".
- d. The shaft run out of each assembly must not exceed 0.004" TIR (Total Indicated Runout)/inch of shaft length measured from the pulley hub.
- e. All pulleys must be dynamically balanced for a minimum speed of 400 fpm.
- f. All exposed rotating shafts must be covered with caps or collars.

2. Head and Tail Pulleys

- a. All non-powered head and tail pulleys must be trapezoidal crown faced, with 1-7/16" minimum diameter shafts.
- b. All head and tail pulleys must be minimum 6" diameter x 10-gauge wall.

- a. Allen-Bradley
2. E-Taps must be used for devices to be compatible with a require network topology, or a maintenance port (if applicable).

2.03 CONTROLS

A. Programmable Logic Controller (PLC)

1. PLCs as manufactured by:
 - a. Allen-Bradley
2. PLCs must be hot-backup with ControlLogix L7x series or equal. The firmware for the redundancy modules must be version 19 or later.
3. Communication modules must consist with the fastest speed and the most connections (TCP/IP or/and other network connections) available on the market.

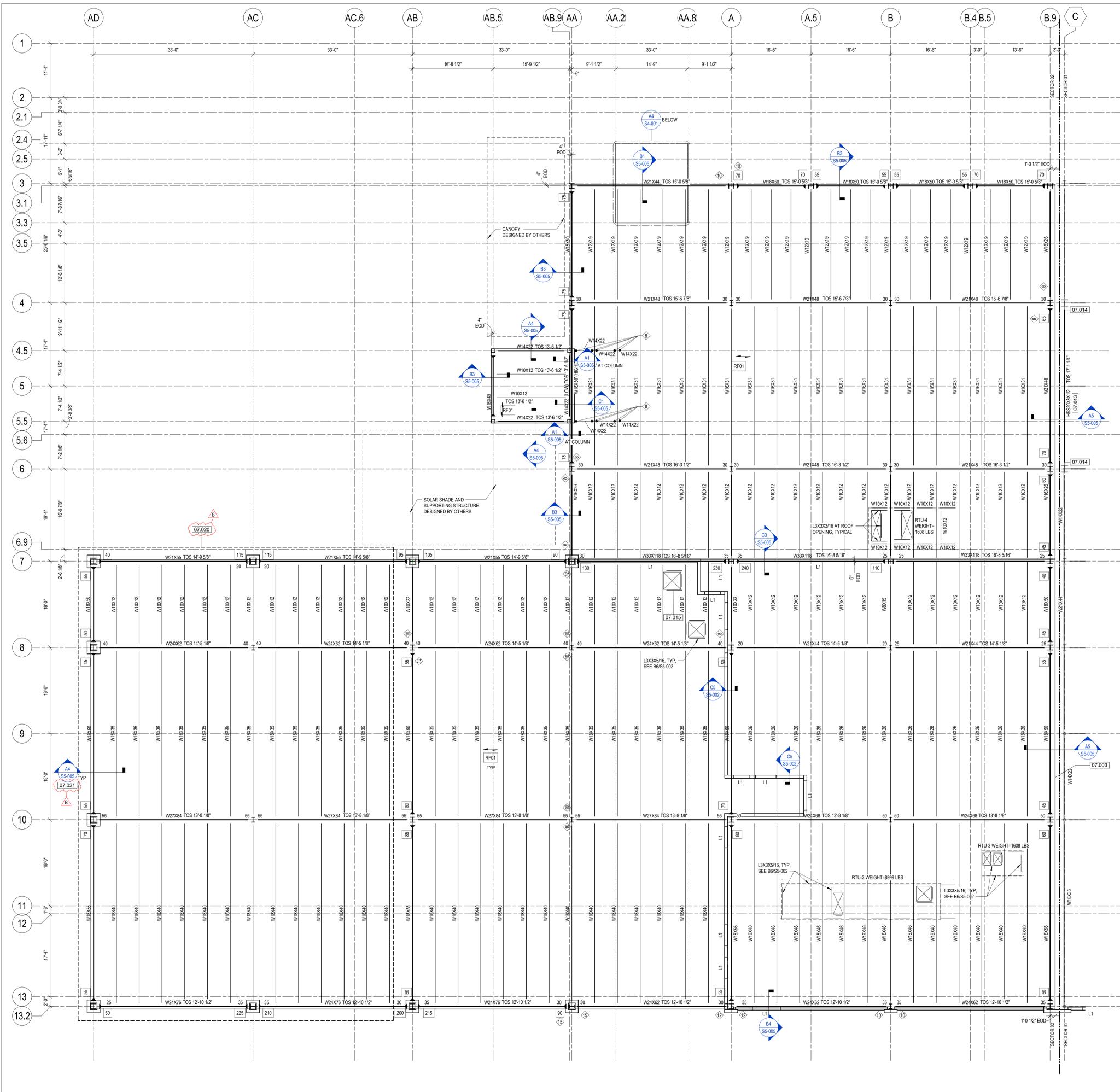
B. Uninterruptible Power Supply (UPS) for BHS System

1. UPS(s) as manufactured by:
 - a. American Power Conversion (APC)
 - b. Eaton 9130 Series
2. UPS(s) to provide a minimum of 30 minutes of power at 100% capacity to PLCs and to all redundant server computers, monitors, and Ethernet switches during a power outage, prior to emergency power activation.
3. Minimum of 1500 VA must be sized for up to 4 PLC racks.
4. UPS must be true on-line double conversion.
5. Unit must have a network connection for supervision of the UPSs on-line health, including any fault conditions.
6. Inbound or stand-alone PLCs do not require UPS.

C. Automatic Tag Reader (Optical ATR)

1. ATR as manufactured by:
 - a. Cognex
 - b. SICK
2. The optical scanners shall be capable of determining the bag's sort code at a rate of not less than 2100 bags per hour for tags as herein defined.
3. The optical scanner array should be designed to automatically scan airline bar-coded baggage tags attached to a wide variety of checked baggage.
The optical scanner array must consist of a minimum of 12 camera scanners (scanner heads) physically arranged to provide baggage tag reading on all 6 sides of a bag. One IP camera overhead upstream for image capture only.
4. Environmental
 - a. ATR must operate without malfunction within a temperature range of 32° F to 122° F (0-50°C) with a relative humidity of 0 to 99% non-condensing.
 - b. If the scanner array or components cannot operate within this range, enclosures must be provided with the proper environmental control devices such as but not limited to: heating, cooling, ventilation, and filtering of airborne contaminants, to provide an operating environment that will conform to the manufacturer's electrical and mechanical requirements.

A3



PROJECT LOCATION



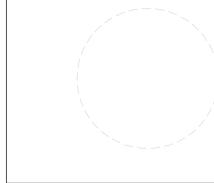
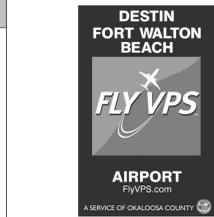
PROJECT LOCATION
Destin-Fort Walton Beach Airport (VPS)

ACCESSIBILITY NOTES

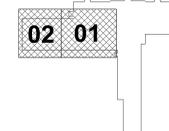
| | |
|---------------------------------------|--|
| 01 EXTERIOR ROUTE CONSTRUCTION | |
| 1. | AN ACCESSIBLE ROUTE, IN THE DIRECTION OF TRAVEL, SHALL NOT HAVE A SLOPE EXCEEDING 1:20 (5/8" PER FOOT) EXCEPT AT A RAMP. |
| 2. | AN ACCESSIBLE ROUTE CROSS SLOPE SHALL NOT EXCEED 1:48 (1/4" PER FOOT). |
| 3. | ALL NEW PAVING AND WALKS FOR AN ACCESSIBLE ROUTE, SHALL NOT HAVE AN ABRUPT CHANGE IN SURFACE LEVEL (VERTICALLY GREATER THAN 1/4" WHEN ABUTTING EITHER EXISTING OR OTHER NEW SURFACES DESIGNATED FOR AN ACCESSIBLE ROUTE). |
| 4. | AN ACCESSIBLE ROUTE CROSSING OR PARALLELING A HAZARDOUS AREA, SHALL BE CLEARLY MARKED IN A CONTRASTING COLOR, WITH THE ROUTE LOCATION, MARKING MATERIALS AND COLOR SHOWN ON THE DRAWING. |
| 5. | ANY OPENINGS THAT ARE CONSTRUCTED IN THE SURFACE OF AN ACCESSIBLE ROUTE SHALL HAVE THE OPENINGS DIRECTION PERPENDICULAR TO THE DIRECTION OF TRAVEL WITH THE OPENINGS DIMENSION NOT TO EXCEED 1/2" IN THE DIRECTION OF TRAVEL. |
| 02 CURB RAMPS | |
| 1. | THE TOP AND BOTTOM OF THE RAMP, AT THE TRANSITION TO EITHER EXISTING OR NEW SURFACES, SHALL BE FLUSH AND FREE OF ANY ABRUPT VERTICAL CHANGES. |
| 2. | THE SURFACE FINISH OF THE RAMP, EITHER RAISED OR RECESSED AS PERMITTED BY ACCESSIBILITY CODES AND GUIDELINES, SHALL BE INSTALLED TO PERMIT WATER DRAINAGE. |
| 3. | THE RAMP CROSS SLOPE SHALL NOT EXCEED 1:48 (1/4" PER FOOT). |
| 03 INTERIOR ROUTE CONSTRUCTION | |
| 1. | AN ACCESSIBLE ROUTE, IN THE DIRECTION OF TRAVEL, SHALL NOT HAVE A SLOPE EXCEEDING 1:20 (5/8" PER FOOT), EXCEPT AT A RAMP. |
| 2. | AN ACCESSIBLE ROUTE CROSS SLOPE SHALL NOT EXCEED 1:48 (1/4" PER FOOT). |
| 3. | ALL NEW FLOOR CONSTRUCTION AND FLOORING MATERIALS SHALL NOT HAVE AN ABRUPT VERTICAL CHANGE IN FINISH SURFACE LEVEL GREATER THAN 1/4" WHEN ABUTTING EITHER EXISTING OR NEW SURFACES DESIGNATED FOR AN ACCESSIBLE ROUTE. |
| 04 DOORS | |
| 1. | ANY THRESHOLD SHALL NOT EXCEED 1/2" IN HEIGHT, NOR 1:2 SLOPE. |
| 2. | ALL ACCESSIBLE HARDWARE OPERABLE BY THE DISABLED, SHALL NOT EXCEED A HEIGHT OF 4'-0" AFF AND SHALL BE EASILY OPERATED WITH ONE HAND WITHOUT GRASPING, PINCHING OR TWISTING OF THE WRIST. |
| 3. | ALL ACCESSIBLE DOORS WITH CLOSERS SHALL HAVE THE CLOSER ADJUSTED SO THAT THE CLOSING TIME, FROM A 70 DEGREE OPEN ANGLE TO WITHIN 3" OF THE JAMB, IS NOT LESS THAN 3 SECONDS. |
| 4. | THE OPENING FORCE OF ALL ACCESSIBLE DOORS, EXCEPT FIRE EXIT DOORS, SHALL NOT EXCEED 5 POUNDS IN THE DIRECTION OF TRAVEL FOR EXITING. |
| 5. | THE OPERABLE HARDWARE ON A DOOR LEADING TO HAZARDOUS AREAS (E.G. BOILER ROOMS, MECHANICAL AND ELECTRICAL ROOMS, OTHER EQUIPMENT ROOMS, AND LOADING DOCK), SHALL HAVE A TEXTURED SURFACE ON THE TOUCHABLE AREA. |
| 05 SIGNAGE | |
| 1. | ALL ACCESSIBLE PERMANENT ROOMS AND SPACES, EXIT WAYS AND EXIT STAIRWAYS, SHALL HAVE SIGNAGE THAT MEETS ACCESSIBILITY SIGNAGE REQUIREMENTS FOR LETTER SIZE, LETTER AND NUMBER TYPESTYLE, RAISED LETTERS, GRADE 2 BRAILLE, COLOR/CONTRAST, AND LOCATION. |

SHEET SYMBOLS

| | | | |
|--|---------------------------------------|--|---------------------------------------|
| | NEW PARTITION | | ELEVATION IDENTIFICATION TAG |
| | EXISTING PARTITION | | CEILING TAG |
| | DEMOLISHED PARTITION | | BREAK LINE |
| | PARTIAL HEIGHT PARTITION | | CENTER LINE |
| | TEMPORARY PARTITION | | PROPERTY LINE |
| | NO SCOPE | | MATCHLINE |
| | KEYNOTE | | EXTERIOR ELEVATION IDENTIFICATION TAG |
| | WINDOW TYPE IDENTIFICATION TAG | | INTERIOR ELEVATION IDENTIFICATION TAG |
| | DOOR IDENTIFICATION TAG | | BUILDING SECTION IDENTIFICATION TAG |
| | ROOM NAME IDENTIFICATION TAG | | WALL SECTION IDENTIFICATION TAG |
| | BATHROOM ACCESSORIES TAG | | DETAIL REFERENCE TAG |
| | ROOM LIFE SAFETY EXITING CODE TAG | | FIRE EXTINGUISHER CABINET |
| | FINISH TYPE IDENTIFICATION TAG | | FIRE EXTINGUISHER |
| | PARTITION TYPE IDENTIFICATION TAG | | REVISION CLOUD AND IDENTIFICATION TAG |
| | LOUVER TAG | | |
| | GRID LINE IDENTIFICATION TAG | | |
| | EXISTING GRID LINE IDENTIFICATION TAG | | |



KEY PLAN:



REVISIONS

| REV | DESCRIPTION | DATE |
|-----|---------------------|------------|
| A | RELEASE FOR BID SET | 05/15/2020 |
| B | ADDENDUM 3 | 06/03/2020 |

PROJECT DATA AND CODE INFORMATION

| | | | | | | |
|--|--|---------------------------|---------------------------|------------|--------------------|------------|
| PROJECT DATA | | | | | | |
| PROJECT NAME: | BAGGAGE HANDLING SYSTEM AND WEST TERMINAL EXPANSION | | | | | |
| PROJECT ADDRESS: | 1701 STATE ROAD 85 NORTH EGLIN AIR FORCE BASE, FL 32542 | | | | | |
| OWNER: | Destin-Fort Walton Beach Airport | | | | | |
| APPLICABLE CODES | | | | | | |
| BUILDING CODE: | 2017 FLORIDA BUILDING CODE | | | | | |
| ACCESSIBILITY CODE: | 2017 FLORIDA ACCESSIBILITY CODE | | | | | |
| LIFE SAFETY INFORMATION | | | | | | |
| USE OR OCCUPANCY CLASSIFICATION | | REFERENCE | | | | |
| OCCUPANCY: | ASSEMBLY GROUP (A-3) | FBC 2017 - 303.4 | | | | |
| | BUSINESS GROUP (B) | FBC 2017 - 304 | | | | |
| | STORAGE GROUP (S-1) | FBC 2017 - 311.2 | | | | |
| EXIST. TERMINAL OCCUPANCY: | ASSEMBLY GROUP (A) - MAJOR USE | | | | | |
| | BUSINESS GROUP (B) - MINOR USE | | | | | |
| EXIST. TOTAL OCCUPANCY LOAD: | 2,015 | | | | | |
| TYPE OF CONSTRUCTION | | | | | | |
| CONSTRUCTION TYPE: | TYPE IB, FULLY SPRINKLERED | FBC 2017, TABLE 601 | | | | |
| EXIST. TERM. CONST. TYPE: | TYPE IB, FULLY SPRINKLERED | | | | | |
| FIRE PROTECTION REQUIREMENTS | | | | | | |
| BEARING WALLS: INT./EXT. | N/A | | | | | |
| NONBEARING WALLS: INT./EXT. | 0 HR | FBC 2017, TABLES 601, 602 | | | | |
| ROOF & SECONDARY MEMBERS: | 1 HR | FBC 2017, TABLE 601 | | | | |
| FLOOR & SECONDARY MEMBERS: | 2 HR | FBC 2017, TABLE 601 | | | | |
| STRUCTURAL FRAME / COLUMNS: | 2 HR | FBC 2017, TABLE 601 | | | | |
| RATED SEPARATIONS: | 1 HR (AT ELEC. AND FIRE ROOM) | FBC 2017, TABLE 508.4 | | | | |
| DESIGN LIMITATIONS | | | | | | |
| HEIGHT: | 180' - 0" | 16' - 0" | FBC 2017, TABLE 504.3 | | | |
| AREA: | 192,000 SF | 27,930 SF | FBC 2017, TABLE 506.2 | | | |
| EXISTING TERMINAL AREA: | | 104,988 SF | | | | |
| MEANS OF EGRESS | | | | | | |
| TRAVEL DISTANCE TO EXIT: | 250' - 0" | 190' - 10" | FBC 2017, TABLE 1017.2 | | | |
| TOTAL OCCUPANT LOAD: | 300 | 200 | FBC 2017, TABLE 1004.1.2 | | | |
| EGRESS WIDTH PER OCCUPANT | | | | | | |
| 0.2" STAIRS: | 0' - 8" | 16' - 10" | FBC 2017, 1005.3.1 EXC. 1 | | | |
| 0.15" DOORS: | 3' - 9" | 19' - 2" | FBC 2017, 1005.3.1 EXC. 1 | | | |
| PLUMBING FIXTURE REQUIREMENTS | | | | | | |
| | FEMALE | | MALE | | SINGLE USER | |
| FIXTURE | # REQUIRED | # PROVIDED | # REQUIRED | # PROVIDED | # REQUIRED | # PROVIDED |
| WATER CLOSETS | 4 | 8 | 4 | 5 | 1 | 1 |
| URINALS | | | 0 | 3 | 0 | 0 |
| LAVATORIES | 3 | 3 | 3 | 3 | 1 | 1 |
| SHOWERS | 0 | 0 | 0 | 0 | 0 | 0 |
| | SERVICE | | | | | |
| | # REQUIRED | # PROVIDED | | | | |
| DRINKING FOUNTAINS | 0 | 2 | | | | |
| SERVICE SINKS | 1 | 1 | | | | |

STANDARD ABBREVIATIONS

| | | | | | | | |
|---------------|---------------------------|-----------------|--|----------|----------------------------------|------------------|----------------------------|
| A.D. | AREA DRAIN | DWR. | DRAWER | INFO. | INFORMATION | REF. | REFERENCE |
| A.F.F. OR AFF | ABOVE FINISH FLOOR | E. | EAST | INSUL. | INSULATION | REFG. | REFRIGERATOR |
| A.P. | ACCESS PANEL | E.J. | EXPANSION JOINT | INT. | INTERIOR | REINFG. | REINFORCED |
| A/C. | AIR CONDITIONING | E.S. | EXPOSED STRUCTURE | INV. | INVERT | REQU. | REQUIRED |
| ABV. | ABOVE | E.W.C. | ELECTRIC WATER COOLER | JAN CLO. | JANITOR CLOSET | RESIL. | RESILIENT |
| ACOUS. | ACOUSTICAL | E.A. | EACH | JAN. | JANITOR | REV. | REFLECTED |
| ACP. | ACOUSTICAL CEILING PANEL | EA. | EACH | JST. | JOIST | RM. | ROOM |
| ADD'L. | ADDITIONAL | EL. OR ELEV. | ELEVATION | JT. | JOINT | S. | SOUTH |
| ADJ. | ADJUSTABLE OR ADJACENT | ELEC. OR ELECT. | ELECTRICAL | L. | LEG | S.C. | SOLID CORE |
| AL. | ALUMINUM | EMERG. OR EMER. | EMERGENCY ENCLOSURE | LAB. | LABORATORY | S.H. | SPRINKLER HEAD |
| ANCH. | ANCHOR | ENCL. | ENCLOSURE | LAM. | LAMINATE | S.S. | STAINLESS STEEL |
| APPROX. | APPROXIMATE | EQ | EQUAL | LAV. | LAVATORY | SAN. | SANITARY |
| ARCH. | ARCHITECTURAL | EQUIP. | EQUIPMENT | LCKR. | LOCKER | SCHED. OR SCHED. | SCHEDULE |
| ASPH. | ASPHALT | EXIST. | EXISTING | LT. | LIGHT | SEC. | SECTION |
| ATC. | ACOUSTICAL CEILING TILE | EXP. OR EXPAN. | EXPANSION EXTERIOR | M. | METER | SEW. | SEWER |
| AUTO. | AUTOMATIC | EXT. | EXTERIOR | M.H. | MANHOLE | SGL. | SINGLE |
| AWC. | ACOUSTICAL WALL PANELS | F.A. | FIRE ALARM | M.O. | MASONRY OPENING | SHET | SHEET |
| B.L. | BUILDING LINE | F.D. | FLOOR DRAIN | MAS. | MASONRY | SHWR. | SHOWER |
| B.O. | BOTTOM OF BOARD | F.E.C. | FIRE EXTINGUISHER CABINET | MATL. | MATERIAL | SIM. | SIMILAR |
| BD. | BUILDING | F.H.C. | FIRE HOSE CABINET | MAX | MAXIMUM | SPEC. OR SPECS. | SPECIFICATION(S) |
| BLDG. | BLOCK | F.H.R. | FIRE HOSE REEL | MBL. | MARBLE | SPKR. | SPEAKER |
| BLK. | BEAM | F.H.T. | FULL HEIGHT | MECH. | MECHANICAL | SQ. | SQUARE |
| BOT. | BOTTOM | F.O.C. | FACE OF CONCRETE | MEMB. | MEMBRANE | SQ. FT. OR S.F. | SQUARE FOOT (FEET) |
| BRK. | BREAK | F.O.F. | FACE OF FINISH | MEP. | MECHANICAL, ELECTRICAL, PLUMBING | SQ. YD. OR S.Y. | SQUARE YARD(S) |
| BRKT. | BRACKET | F.O.S. | FACE OF STUD | MFG. | MANUFACTURER | STA. | STATION |
| BSMT. | BASEMENT | F.S. | FULL SIZE | MIN. | MINIMUM | STD. | STANDARD |
| BTWN. | BETWEEN | F.V.C. | FIRE VALVE CABINET | MISC. | MISCELLANEOUS | STL. | STEEL |
| C.B. | CATCH BASIN | FDN. | FOUNDATION | MTD. | MOUNTED | STOR. | STORAGE |
| C.G. | CORNER GUARD | FIN. | FINISH | MTL. | METAL | STRUCT. | STRUCTURE OR STRUCTURAL |
| C.I. | CAST IRON | FL. OR FLR. | FLOOR | MUL. | MULLION | SUSP. | SUSPENDED |
| C.I.P. | CAST IN PLACE | FLASH. | FLASHING | N. | NORTH | SYM. | SYMMETRICAL |
| C.J. | CONTROL JOINT | FLUOR. | FLUORESCENT | N.I.C. | NOT IN CONTRACT | T&G | TONGUE & GROOVE |
| C.O. | CLEAR OPENING | FR. | FRAME | N.T.S. | NOT TO SCALE | T. | TREAD |
| C.T. | CERAMIC TILE | FRP | FIBERGLASS REINFORCED PLASTIC | NO. | NUMBER | T. OR TEMP. | TEMPERED |
| CAB. | CABINET | FT. | FASTENER | NOM. | NOMINAL | T.O.C. | TOP OF CONCRETE |
| CAT. | CATEGORY | FT. | FOOTING | O.C. | ON CENTER | T.O.GU | TOP OF GUM |
| CER. | CERAMIC | FTG. | FOOTING | OFF. | OFF CENTER | T.O.D. | TOP OF DECK |
| CFMF. | COLD FORMED METAL FRAMING | FURR. | FURRING | O.D. | OUTSIDE DIAMETER/DIMENSION | T.O.P. | TOP OF |
| CLG. | CEILING | FUT. | FUTURE | OP. | OFFICE | T.O.P. | TOP OF PARAPET |
| CLO. | CLOSET | G.B. | GRAB BAR | OPNG. | OPENING | T.O.S. | TOP OF STEEL |
| CLR. | CLEAR | G.C. | GENERAL CONTRACTOR | OPP. | OPPOSITE | T.O.S.S. | TOP OF STRUCTURAL SLAB |
| CMU. | CONCRETE MASONRY UNIT | GALV. | GALVANIZED | OPP. HD. | OPPOSITE HAND | T.V. | TELEVISION |
| COL. | COLUMN | GFRG. | GLASS FIBER REINFORCED GYPSUM | OVHD. | OVERHEAD | TEL. | TELEPHONE |
| CONC. | CONCRETE | GL. | GLASS | OZ. | OUNCE | THK. | THICK |
| CONN. | CONNECTION | GND. | GROUND | P.C. | PRECAST CONCRETE | TLT. | TOILET |
| CONST. | CONSTRUCTION | GR. | GRADE | P.LAM. | PLASTIC LAMINATE | TYP. | TYPICAL |
| CONT. | CONTINUOUS | GRN. | GRANITE | UN.F. | UNFINISHED | U.N.O | UNLESS NOTED OTHERWISE |
| CONTR. | CONTRACTOR | GYP. BD. | GYPSUM BOARD | UR. | URINAL | UR. | URINAL |
| CORR. | CORRIDOR | H.B. | HOSE BIB | V.I.F. | VERIFY IN FIELD | W. | WEST OR WIDTH |
| CP. | CARPET | H.C. | HOLLOW CORE | VB. | VAPOR BARRIER | W.B. | WEATHER BARRIER |
| CPTT. | CARPET TILE | H.K. | HOLDKEEPING | VERT. | VERTICAL | W.C. | WATER CLOSET |
| CTR. | CENTER CONTROL | H.M. | HOLLOW METAL | VEST. | VESTIBULE | W.P. | WATERPROOF |
| CTRL. | CONTROL | HCP. | HANDICAPPED | | | W/ | WITH |
| D.F. | DRINKING FOUNTAIN | HD. | HAND | | | W/O | WITHOUT |
| D.O. | DOOR OPENING | HDW. OR HDWR. | HARDWARE | | | WD. | WOOD |
| D.P. | DAMP PROOFING | HW. | HARDWOOD | | | WDW. | WINDOW |
| D.S. | DOWNSPOUT | HNDRL. | HANDRAIL | | | WRGB. | WATER RESISTANT GYP. BOARD |
| DBL. | DOUBLE | HORZ. | HORIZONTAL | | | W.SCT. | WAINSCOT |
| DEMO. | DEMOLITION | HR. | HOUR | | | WT. | WEIGHT |
| DEPT. | DEPARTMENT | HT. | HEIGHT | | | | |
| DET. OR DTL. | DETAIL | HVAC. | HEATING, VENTILATION, AIR CONDITIONING | | | | |
| DIA. OR DIAM. | DIAMETER | I.D. | INSIDE DIAMETER/DIMENSION | | | | |
| DN. | DOWN | IN. | INCH | | | | |
| DN. | DOWN | INCL. | INCLUDE(DY)ING | | | | |
| DR. | DOOR | | | | | | |
| DRN. | DRAIN | | | | | | |
| DWG. | DRAWING | | | | | | |
| DWGS. | DRAWINGS | | | | | | |

ACCESSIBLE MOUNTING HEIGHTS

| | ADULT | SECTION |
|--|-----------------|-----------------|
| WATER CLOSET | | |
| TOP OF SEAT | 17"-19" | 604.4 |
| FLUSH CONTROLS | 15" MIN-48" MAX | 604.6/309.3/308 |
| URINAL | | |
| RIM OF BASIN | 17" MAX | 605.2 |
| FLUSH CONTROLS | 15" MIN-48" MAX | 604.6/309.3/308 |
| LAVATORY/SINKS | | |
| RIM OR COUNTER SURFACE | 34" MAX | 606.3 |
| APRON CLEARANCE | 27" MIN. | 306 |
| KNEE CLEARANCE | 27" MIN. | 306.3 |
| TOE CLEARANCE | 9" MIN. | 306.2 |
| DRINKING FOUNTAIN | | |
| SPOUT HEIGHT | 36" MAX | 602.4 |
| KNEE CLEARANCE | 27" MIN. | 306.3 |
| TOE CLEARANCE | 9" MIN. | 306.2 |
| DRINKING FOUNTAIN (BENDING DISABLED) | | |
| SPOUT HEIGHT | 38"-43" | 602.7 |
| GRAB BARS | | |
| TOP OF BAR | 33" MIN-36" MAX | 609.4 |
| MIRROR | | |
| BOTTOM OF REFLECTIVE SURFACE (above counters & lavs.) | 40" MAX. | 603.3 |
| TOP OF REFLECTIVE SURFACE | 74" MIN. | 603.3 |
| CONTROLS AND OPERATING MECHANISMS | | |
| TOWEL DISPENSER | 48" MAX. | 308 |
| SOAP DISPENSER | 48" MAX. | 308 |
| HAND DRYER | 48" MAX. | 308 |
| TOILET TISSUE DISPENSER | 15"-48" MAX. | 604.7 |
| SANITARY NAPKIN DISPENSER/RECEPTACLE | 48" MAX. | 308 |
| TOILET SEAT COVER DISPENSER | 48" MAX. | 308 |
| ELECTRICAL DEVICES | | |
| ELECTRICAL, PHONE AND DATA OUTLETS (TO CENTER) | 17" MIN-48" MAX | 308.2.1 |
| ABOVE COUNTER OUTLETS (TO CENTER) | 44" MAX. | 308.2.2 |
| LIGHT SWITCHES (HIGHEST OPERABLE PART) | 48" MAX. | 308 |
| FIRE ALARM PULL (HIGHEST OPERABLE PART) | 48" MAX. | 308 |
| THERMOSTATS (HIGHEST OPERABLE PART) | 48" MAX. | 308 |
| FIRE EXTINGUISHER CAB. (T.O. HANDLE/OPER. DEVICE) | 48" MAX. | 308.3.1 |
| PUBLIC TELEPHONE (TO HIGHEST OPERABLE PART) | 48" MAX. | 308 |
| RAMP AND STAIRS | | |
| TOP OF HANDRAILS | 34"-38" | 505.4 |
| | | 505.4 |
| ELEVATORS | | |
| HALL CALL BUTTON | 48" MAX | 407.2.1.1/308 |
| HALL LANTERNS | 72" MIN | 407.2.2.2 |

BAGGAGE HANDLING SYSTEM AND WEST TERMINAL EXPANSION

PROJECT NO: C18-2709-AP
DRAWN: R. SMOTHERS
CHECKED: K. MCGILBERRY
SCALE: 1/2" = 1'-0"

RELEASE FOR BID SET

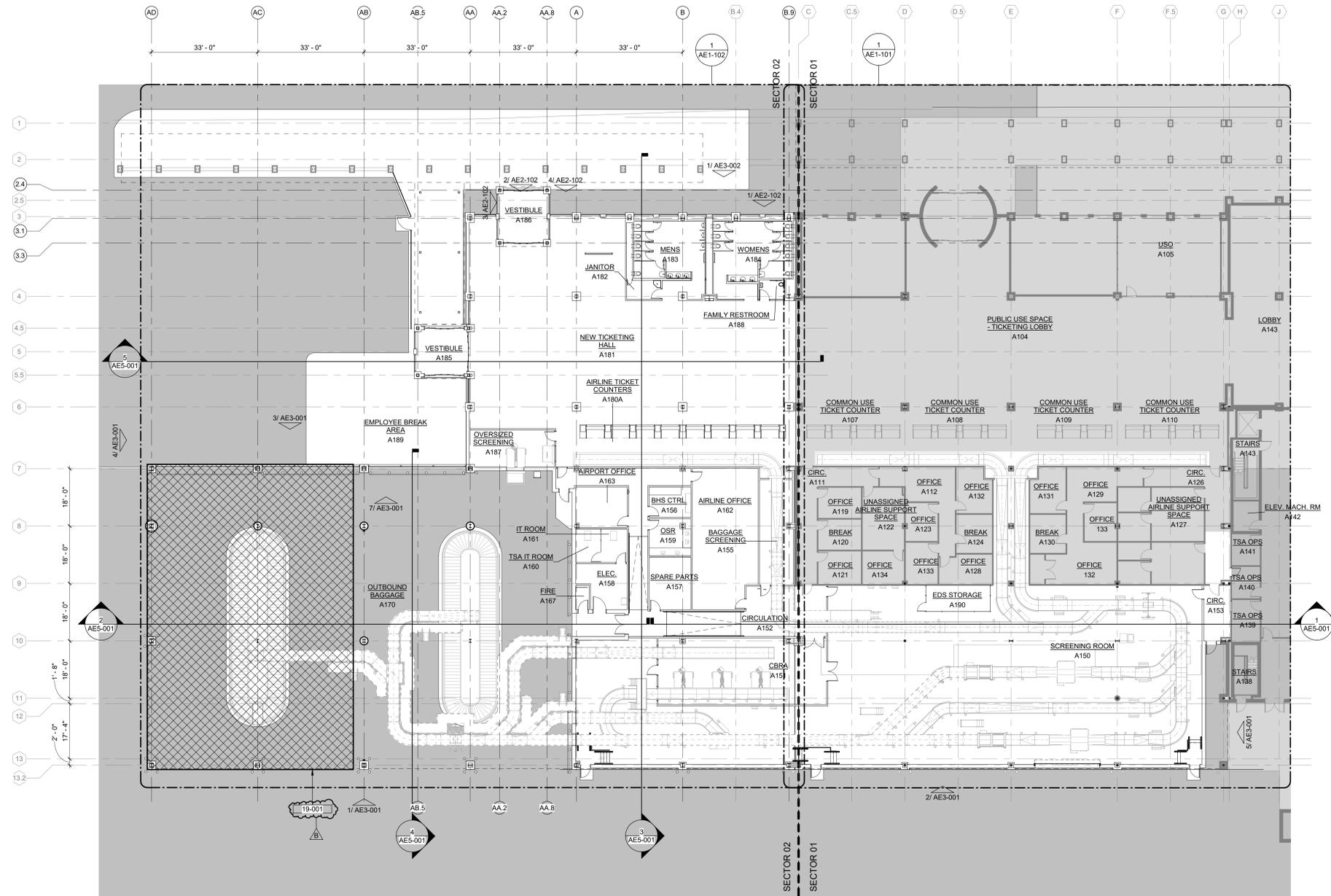
05/15/2020

SHEET TITLE:

STANDARDS AND SYMBOLS

SHEET NUMBER:

AG0-001



GENERAL PLAN NOTES

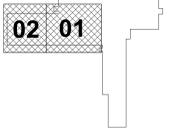
1. ALL WALLS ARE TYPE A3 UNLESS NOTED OTHERWISE.
2. ALL CORRIDOR WALLS ARE TYPE A6 UNLESS NOTED OTHERWISE.
3. ALL INTERIOR FLOOR LEVELS ARE AT EL. 100'-0" UNLESS NOTED OTHERWISE.
4. PROVIDE CONTROL JOINTS IN GYPSUM BOARD WALLS ABOVE THE CORNER OF ALL INTERIOR DOOR AND WINDOW FRAMES IN THE CENTER OF STRAIGHT WALLS 30'-0" IN LENGTH OR GREATER OR AS INDICATED ON INTERIOR ELEVATIONS. PROVIDE HORIZONTAL CONTROL JOINTS AT 10'-0" A.F.F. THROUGHOUT BUILDING. TYP.
5. ALL INTERIOR WINDOWS TO BE MOUNTED AT 86" A.F.F. TO TOP OF FRAME UNLESS NOTED OTHERWISE.
6. ALL WALL-MOUNTED FIRE EXTINGUISHERS TO BE MOUNTED AT 45" MAX. TO EXTINGUISHER HANDLE U.N.O.
7. ALL CRASH PADS TO BE MOUNTED AT 4" A.F.F. TO BOTTOM OF PAD U.N.O.
8. PROVIDE ROOF HATCHES ABOVE ALL STEEL LADDERS FOR ROOF ACCESS.
9. PROVIDE PLASTIC LAMINATE WINDOW SILL INSIDE ALL EXTERIOR WINDOWS (EXCEPT CLERESTORY WINDOWS.)
10. PROVIDE 4'-0" HIGH CORNER GUARDS AT ALL EXPOSED GYP. BOARD CORNERS MOUNTED AT 4" A.F.F. TO BOTTOM RE: SPECS.

KEYNOTE LEGEND

19-001 BID ALTERNATE 1. REFER TO SHEET AE1-102 FOR ADDITIONAL INFORMATION.



KEY PLAN:



REVISIONS

| REV | DESCRIPTION | DATE |
|-----|---------------------|------------|
| A | RELEASE FOR BID SET | 05/15/2020 |
| B | ADDENDUM 3 | 06/03/2020 |

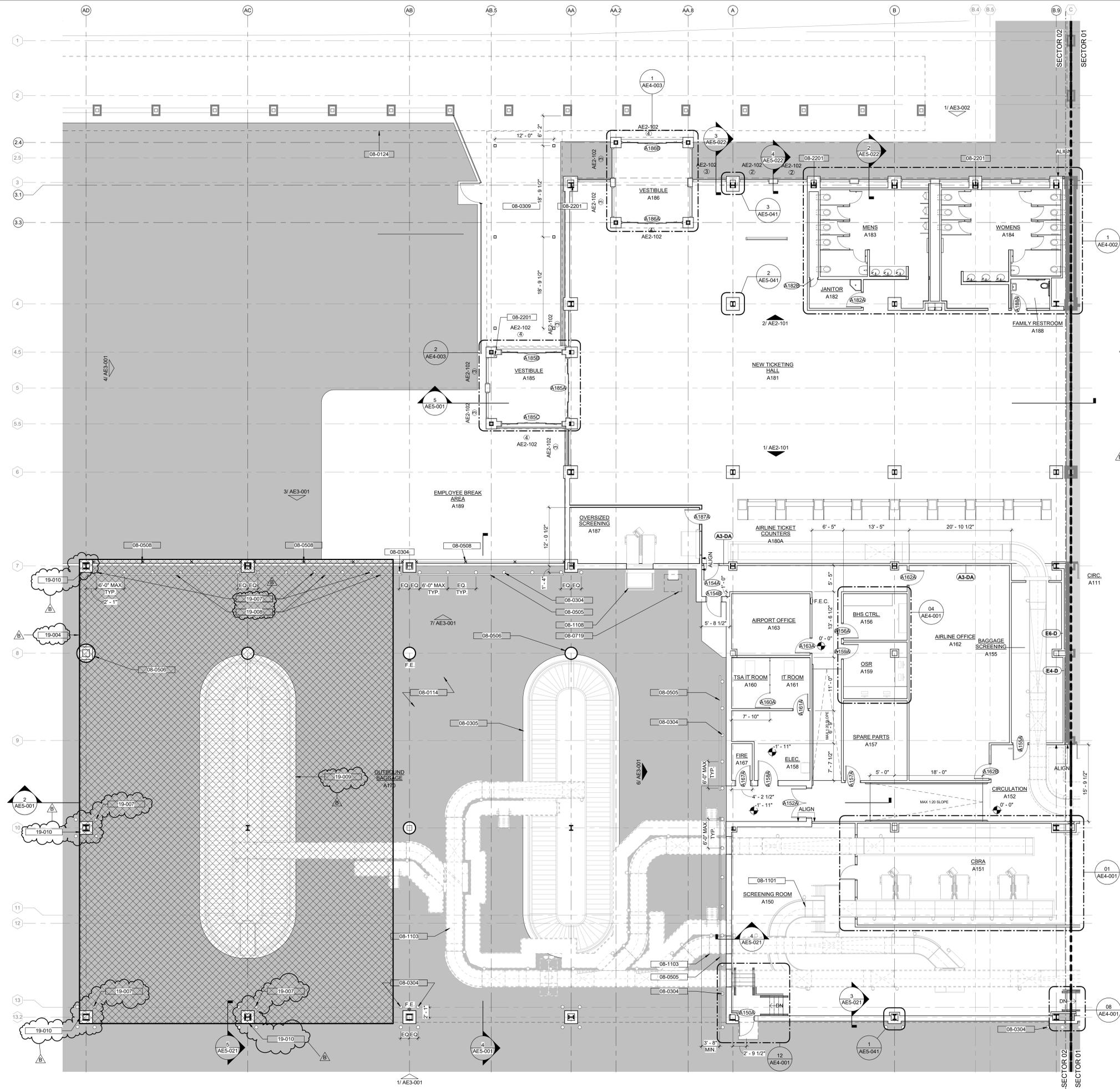
BAGGAGE HANDLING SYSTEM AND WEST TERMINAL EXPANSION

PROJECT NO: C18-2709-AP
 DRAWN: R. SMOTHERS
 CHECKED: K. MCGILBERRY
 SCALE: 1/16" = 1'-0"

RELEASE FOR BID SET
 05/15/2020

SHEET TITLE:
FLOOR PLAN - LEVEL 01 - OVERALL

SHEET NUMBER:
AE1-100

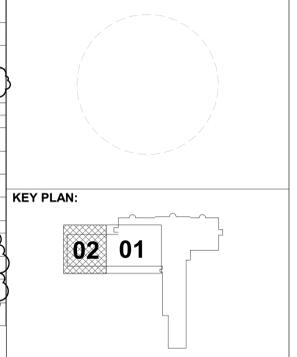
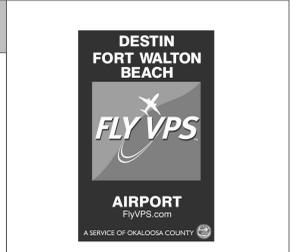


GENERAL PLAN NOTES

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10. PROVIDE 4"x7" HIGH CORNER GUARDS AT ALL EXPOSED GYP. BOARD CORNERS MOUNTED AT 4" A.F.F. TO BOTTOM RE. SPECS.

KEYNOTE LEGEND

- 08-0114 EXISTING SLOPING APRON PAVEMENT TO REMAIN. REFER STRUCTURAL DRAWINGS FOR MORE INFORMATION.
- 08-0124 EDGE OF EXISTING CURBSIDE CANOPY CONTRACTOR TO VERIFY HEIGHT ABOVE GRADE AND HORIZONTAL LOCATION.
- 08-0304 6" DIAMETER CONCRETE FILLED METAL BOLLARDS PAINTED SAFETY YELLOW (TYP.)
- 08-0305 CONCRETE HOUSEKEEPING PAD. HORIZONTAL DIMENSIONS TO MATCH BHS DEVICE. TOP OF PAD ELEVATION TO REMAIN CONSISTENT FOR ENTIRE LENGTH. TYP.
- 08-0309 NEW CONCRETE WALKWAY. REF. TO CIVIL DRAWINGS.
- 08-0505 STEEL CHANNEL GUARDRAIL PAINTED SAFETY YELLOW. INSTALL W/ CENTER OF RAIL AT 30" A.F.F.
- 08-0506 STEEL COLUMN PROTECTION PAINTED SAFETY YELLOW. TYP. REFER TO STRUCTURAL. DELETE AS PART OF BID ALTERNATE 1.
- 08-0508 CHAINLINK FENCE WITH SLATS.
- 08-0719 NEW ROOF HATCH WITH LADDER OVERHEAD.
- 08-1101 BAGGAGE CONVEYORS SHOWN FOR REFERENCE. REFER TO BAGGAGE.
- 08-1103 OVERHEAD BAGGAGE CONVEYORS SHOWN FOR REFERENCE. REFER TO BAGGAGE.
- 08-1108 OVERSIZED BAGGAGE EQUIPMENT FOR REFERENCE. REFER TO BAGGAGE.
- 08-2201 NEW ROOF DRAIN. TYP. REFER TO PLUMBING FOR MORE INFORMATION.
- 19-004 BID ALTERNATE 1.
- 19-007 CONCRETE FILLED METAL BOLLARD. DELETE AS PART OF BID ALTERNATE 1.
- 19-008 STEEL CHANNEL GUARDRAIL. DELETE AS PART OF BID ALTERNATE 1.
- 19-009 CONCRETE HOUSEKEEPING PAD. DELETE AS PART OF BID ALTERNATE 1.
- 19-010 CMU COLUMN ENCLOSURE. DELETE AS PART OF BID ALTERNATE 1.



REVISIONS

| REV | DESCRIPTION | DATE |
|-----|---------------------|------------|
| A | RELEASE FOR BID SET | 05/15/2020 |
| B | ADDENDUM 3 | 06/03/2020 |

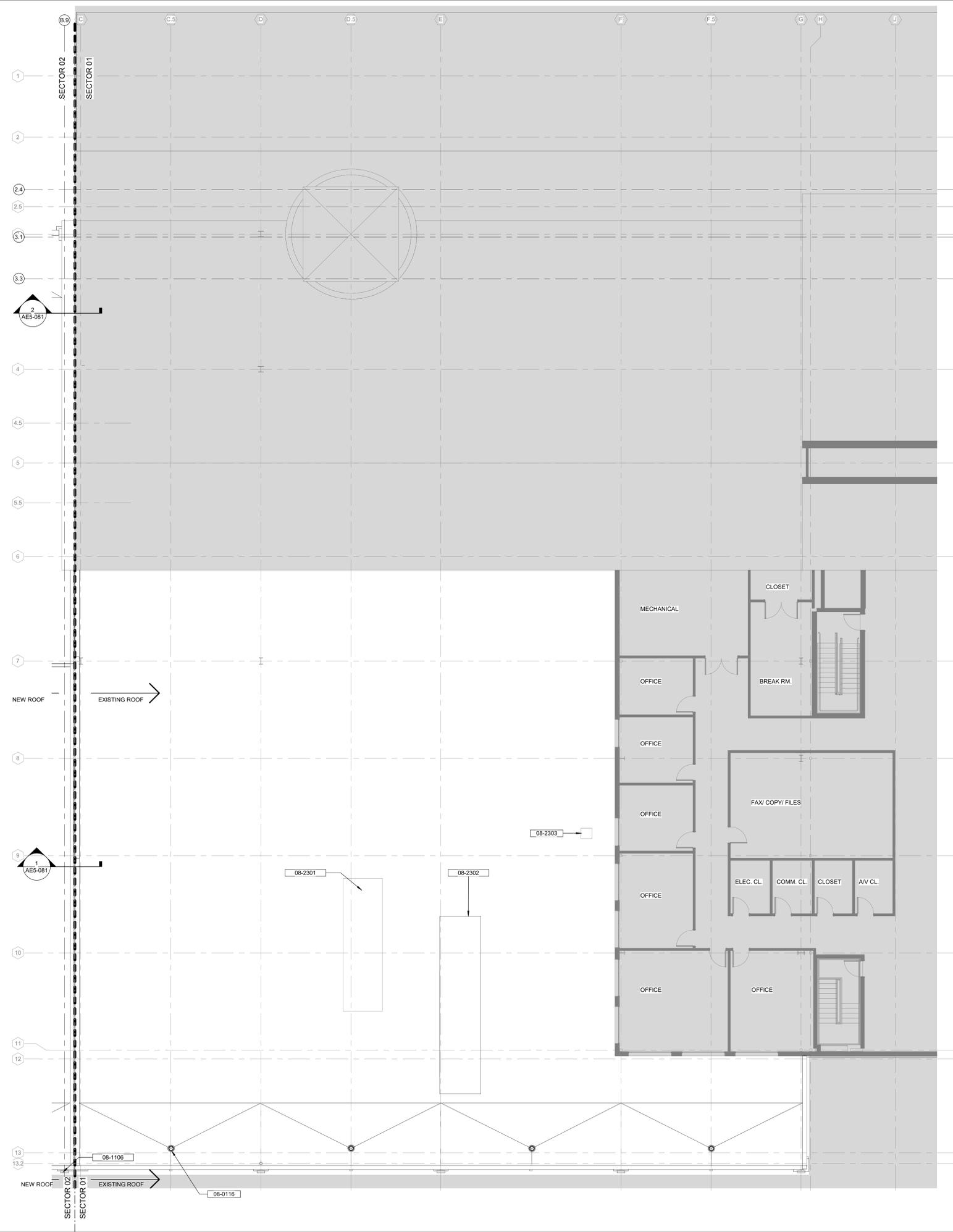
BAGGAGE HANDLING SYSTEM AND WEST TERMINAL EXPANSION

PROJECT NO: C18-2709-AP
 DRAWN: R. SMOTHERS
 CHECKED: K. MCGILBERRY
 SCALE: 1/8" = 1'-0"

RELEASE FOR BID SET
 05/15/2020

SHEET TITLE:
 FLOOR PLAN - LEVEL 01 - SECTOR 02

SHEET NUMBER:
 AE1-102



GENERAL PLAN NOTES

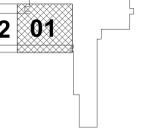
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5. ALL INTERIOR WINDOWS TO BE MOUNTED AT 86" A.F.F. TO TOP OF FRAME UNLESS NOTED OTHERWISE.
6. ALL WALL-MOUNTED FIRE EXTINGUISHERS TO BE MOUNTED AT 45" MAX. TO EXTINGUISHER HANDLE U.N.O.
7. ALL CRASH PADS TO BE MOUNTED AT 4" A.F.F. TO BOTTOM OF PAD U.N.O.
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9. PROVIDE PLASTIC LAMINATE WINDOW SILL INSIDE ALL EXTERIOR WINDOWS (EXCEPT CLERESTORY WINDOWS.)
10. PROVIDE 4'-0" HIGH CORNER GUARDS AT ALL EXPOSED GYP. BOARD CORNERS MOUNTED AT 4" A.F.F. TO BOTTOM RE: SPECS.

KEYNOTE LEGEND

- 08-1106 EXISTING ROOF DRAIN TO REMAIN
- 08-1108 EXTERIOR LIGHT FIXTURE. CONTRACTOR TO MATCH EXISTING.
- 08-2301 EXISTING MECHANICAL EQUIPMENT TO BE REMOVED AND REPLACED WITH NEW.
- 08-2302 NEW MECHANICAL EQUIPMENT. REFER TO MECHANICAL.
- 08-2303 EXISTING EXHAUST FAN TO REMAIN



KEY PLAN:



REVISIONS

| REV | DESCRIPTION | DATE |
|-----|---------------------|------------|
| A | RELEASE FOR BID SET | 05/15/2020 |
| B | ADDENDUM 3 | 06/03/2020 |

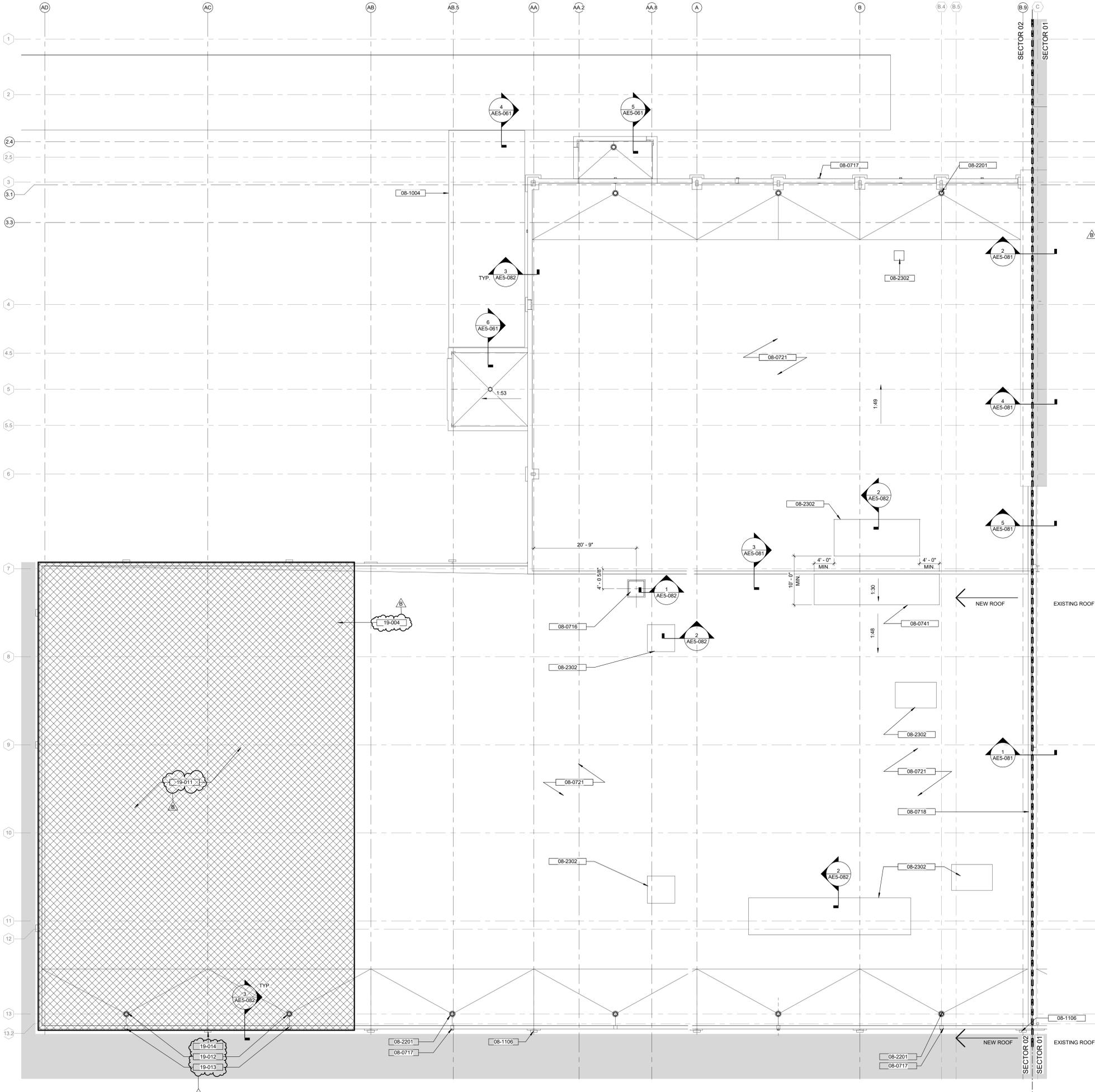
BAGGAGE HANDLING SYSTEM AND WEST TERMINAL EXPANSION

PROJECT NO: C18-2709-AP
 DRAWN: R. SMOTHERS
 CHECKED: K. MCGILBERRY
 SCALE: 1/8" = 1'-0"

RELEASE FOR BID SET
 05/15/2020

SHEET TITLE:
ROOF PLAN - SECTOR 01

SHEET NUMBER:
AE1-201

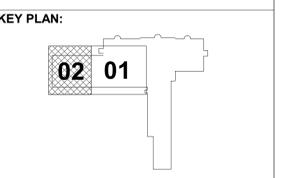
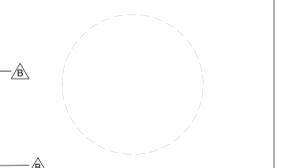


GENERAL PLAN NOTES

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7. ALL CRASH PADS TO BE MOUNTED AT 4" A.F.F. TO BOTTOM OF PAD U.N.O.
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KEYNOTE LEGEND

- 08-0716 NEW ROOF HATCH WITH LADDER
- 08-0717 OVERFLOW SCUPPER
- 08-0718 METAL CAP WITH EXPANSION JOINT
- 08-0721 INSULATED ROOF W/ SINGLE-PLY MEMBRANE MECHANICALLY FASTENED TO METAL DECK. FASTENER SPACING PER MANUFACTURER PRODUCT APPROVAL FOR CODE REQUIRED UPLIFT.
- 08-0741 CONTRACTOR TO BUILD UP ROOF IN THIS AREA SO THE LOWEST POINT IS LESS THAN 30" FROM PARAPET.
- 08-1004 MANUFACTURED CANOPY (DELEGATED DESIGN). TOP OF CANOPY TO BE 4' BELOW HEIGHT OF EXISTING CURBSIDE CANOPY.
- 08-1106 EXTERIOR LIGHT FIXTURE. CONTRACTOR TO MATCH EXISTING.
- 08-2201 NEW ROOF DRAIN. TYP. REFER TO PLUMBING FOR MORE INFORMATION.
- 08-2302 MECHANICAL EQUIPMENT. REFER TO MECHANICAL.
- 19-004 BID ALTERNATE 1.
- 19-011 INSULATED SINGLE-PLY ROOF MEMBRANE. DELETE AS PART OF BID ALTERNATE 1.
- 19-012 ROOF DRAIN. DELETE AS PART OF BID ALTERNATE 1.
- 19-013 OVERFLOW SCUPPER. DELETE AS PART OF BID ALTERNATE 1.
- 19-014 LIGHT FIXTURE. DELETE AS PART OF BID ALTERNATE 1.



REVISIONS

| REV | DESCRIPTION | DATE |
|-----|---------------------|------------|
| A | RELEASE FOR BID SET | 05/15/2020 |
| B | ADDENDUM 3 | 06/03/2020 |

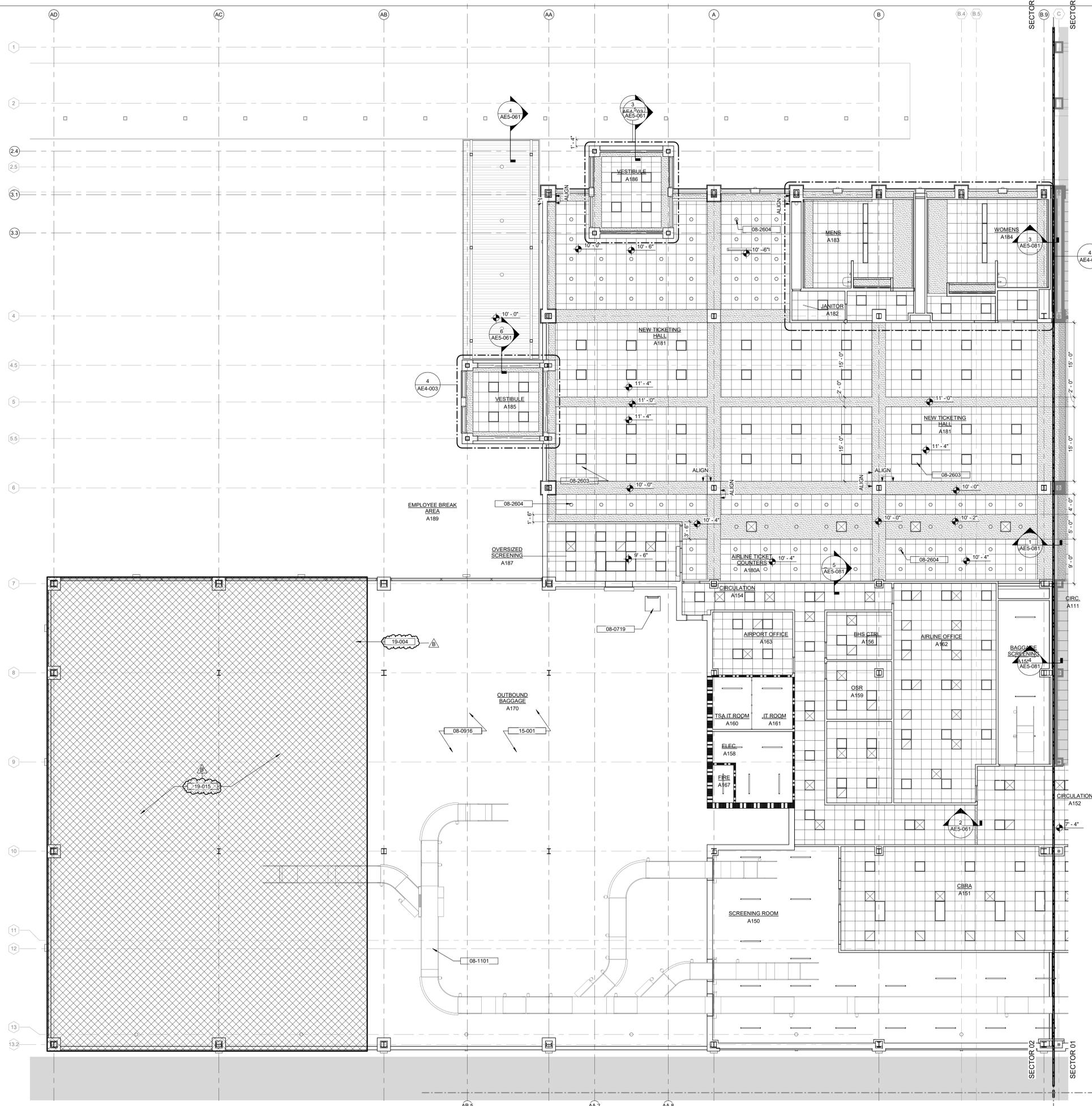
BAGGAGE HANDLING SYSTEM AND WEST TERMINAL EXPANSION

PROJECT NO: C18-2709-AP
 DRAWN: R. SMOTHERS
 CHECKED: K. MCGILBERRY
 SCALE: 1/8" = 1'-0"

RELEASE FOR BID SET
 05/15/2020

SHEET TITLE:
 ROOF PLAN - SECTOR 02

SHEET NUMBER:
 AE1-202

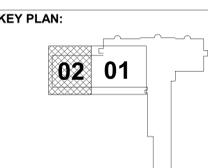


GENERAL RCP NOTES

- CEILING HEIGHTS ARE 9'-0" A.F.F. UNLESS NOTED OTHERWISE.
- THE ROOM FINISH SCHEDULE TYPICALLY INDICATES CEILING MATERIALS AND FINISHES. MATERIALS OR FINISHES THAT VARY WITHIN A ROOM WILL BE INDICATED ON THE R.C.P. R.C.P.'S WILL TYPICALLY INDICATE:
 - LOCATIONS, DIMENSIONS AND HEIGHTS A.F.F. OR FURRED/DOWNS.
 - VARYING CEILING MATERIALS AND THEIR LOCATIONS.
 - HEIGHTS OF WALLS A.F.F. (FULL HEIGHT AND PARTIAL HEIGHT).
 - REQUIRED FIRE-RATINGS OF WALLS.
 - FINAL LOCATIONS OF CEILING MOUNTED FIXTURES/DEVICES.
- WHERE WALL TYPE FIRE-RATING DESIGNATIONS FROM THE FLOOR PLANS CONFLICT WITH THE FIRE-RATING DESIGNATIONS INDICATED ON THE R.C.P. THE MORE STRINGENT DESIGNATIONS SHALL APPLY.
- COORDINATE MEP/ETC. DRAWINGS FOR ALL FIXTURES/DEVICES MOUNTED IN, ABOVE, OR HUNG FROM THE CEILING. FINAL FIXTURE/DEVICE LOCATIONS ARE DETERMINED BY THE ARCHITECTURAL R.C.P. WHERE CONDITIONS DIFFER SIGNIFICANTLY BETWEEN THE PLANS, REQUEST CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING. WHERE FIXTURES/DEVICES SHOWN OR SPECIFIED ON DRAWINGS OTHER THAN THE ARCHITECTURAL R.C.P.'S ARE VISIBLE AT THE CEILING PLANE, COORDINATE LOCATIONS WITH THE ARCHITECT.
- DO NOT INSTALL CEILING GRID UNTIL WORK ABOVE CEILING IS COORDINATED AND INSTALLED WITHIN AVAILABLE PLENUM SPACE.
- LOCATE CEILING MOUNTED FIXTURES/DEVICES IN THE CENTERS OF FULL CEILING PANELS U.N.O.
- LIGHT FIXTURES IN MECHANICAL AND EQUIPMENT ROOMS ARE SHOWN FOR QUANTITY ONLY. CONTRACTOR IS TO COORDINATE FIXTURE PLACEMENT WITH ALL MEP ITEMS AND SET FINAL FIXTURE LOCATIONS AS REQUIRED TO EVENLY AND FULLY LIGHT ACCESSIBLE AREAS OF THE ROOM WITH THE QUANTITY OF FIXTURES SHOWN.
- GYP. CEILINGS AND BULKHEADS TO BE PAINTED PER FINISH PLANS, U.N.O.
- ACCENT PAINT ON GYP. BOARD BULKHEADS TO BE ON BOTTOM AND SIDES OF BULKHEAD.
- ALL INTERIOR PARTITIONS ARE TO BE DECK, U.N.O.

KEYNOTE LEGEND

- 08-0719 NEW ROOF HATCH WITH LADDER OVERHEAD
- 08-0916 OPEN TO STRUCTURE ABOVE INSTALL BIRD NETTING. COORDINATE HEIGHT/LOCATION TO MAXIMIZE PROTECTION FROM BIRDS WHILE NOT IMPACTING REQUIRED CLEARANCES ABOVE BAGGAGE SYSTEM CONVEYORS/EQUIPMENT.
- 08-1101 BAGGAGE CONVEYORS SHOWN FOR REFERENCE. REFER TO BAGGAGE.
- 08-2603 NEW LIGHT FIXTURES. REF. ELECTRICAL DRAWINGS.
- 08-2604 NEW LIGHT FIXTURE TO BE PLACED AT CENTER OF 2'X2' ACT TILE, TYP.
- 15-001 REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- 19-004 BID ALTERNATE 1
- 19-015 BIRD NETTING. DELETE AS PART OF BID ALTERNATE 1



REVISIONS

| REV | DESCRIPTION | DATE |
|-----|---------------------|------------|
| A | RELEASE FOR BID SET | 05/15/2020 |
| B | ADDENDUM 3 | 06/03/2020 |

BAGGAGE HANDLING SYSTEM AND WEST TERMINAL EXPANSION

PROJECT NO: C18-2709-AP
 DRAWN: R. SMOTHERS
 CHECKED: K. MCGILBERRY
 SCALE: 1/8" = 1'-0"

RELEASE FOR BID SET
 05/15/2020

SHEET TITLE:
 REFLECTED CEILING PLAN - LEVEL 01 - SECTOR 02

SHEET NUMBER:
 AR1-102

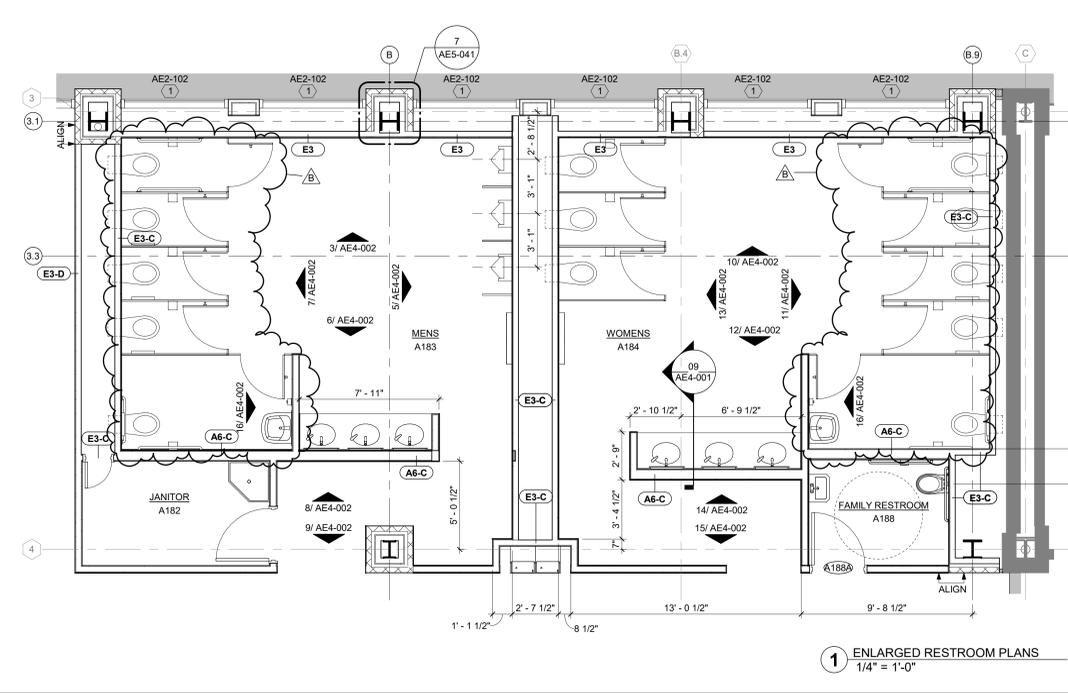
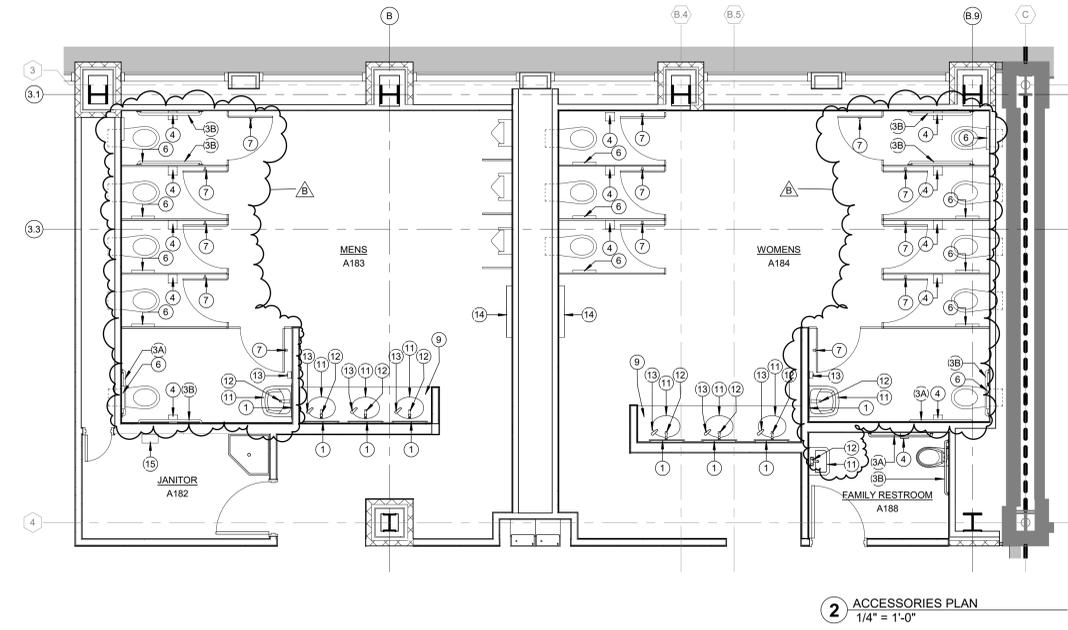
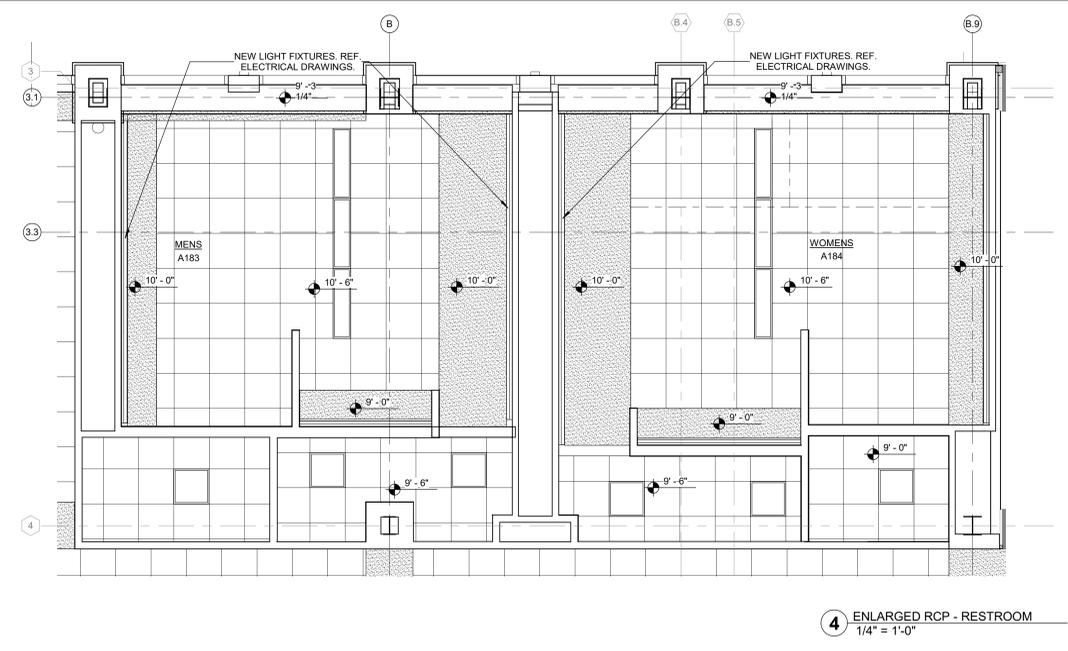
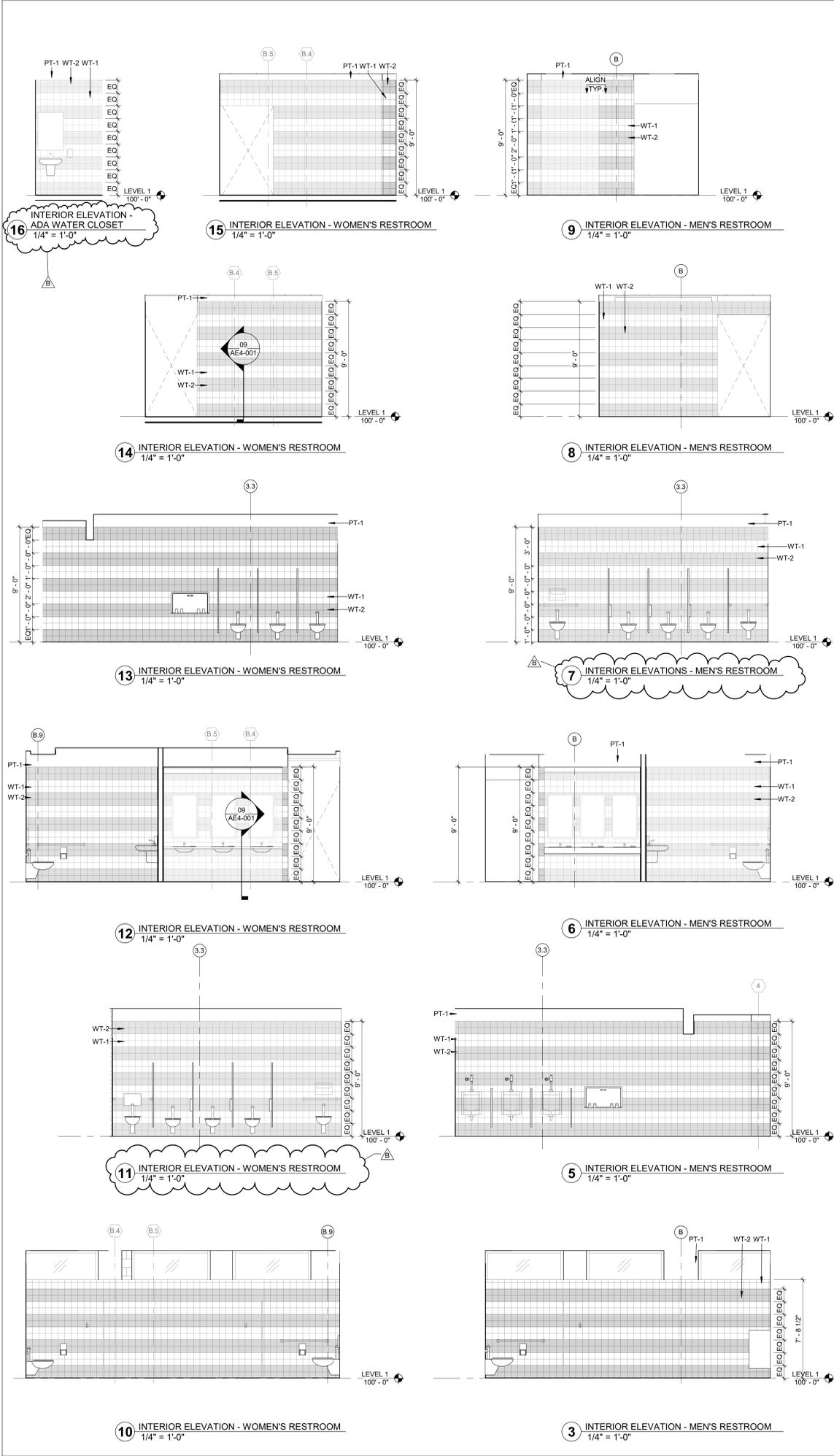
RCP LEGEND

| | | | |
|--|--------------------------------------|--|-------------------------|
| | 2X2 LAY-IN CEILING | | GYP. BD. CEILING |
| | EXPOSED STRUCTURE | | 2X4 LAY-IN LENS FIXTURE |
| | 1'-0" FINISHED CEILING HEIGHT A.F.F. | | 1'X2' HUNG LIGHT STRIP |
| | RETURN AIR DIFFUSER | | SUPPLY AIR DIFFUSER |
| | CEILING SPEAKER | | EMERGENCY EXIT FIXTURE |
| | FENCE TOP ENCLOSURE | | |

PARTITION RATING LEGEND

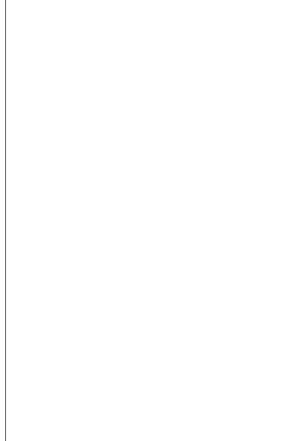
| | |
|--|---------------------------------|
| | UNRATED PARTITION ASSEMBLY |
| | 1 HOUR RATED PARTITION ASSEMBLY |





KEYNOTE LEGEND

08-2603 NEW LIGHT FIXTURES, REF. ELECTRICAL DRAWINGS.



REVISIONS

| REV | DESCRIPTION | DATE |
|-----|---------------------|------------|
| A | RELEASE FOR BID SET | 05/15/2020 |
| B | ADDENDUM 3 | 06/03/2020 |

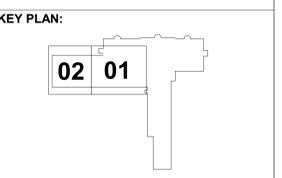
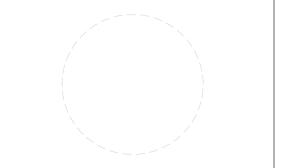
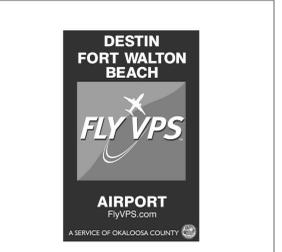
TOILET ACCESSORY LEGEND

NOTE: REFER TO SPECIFICATION SECTION 10 28 00 FOR MORE INFORMATION

- WALL MOUNTED MIRROR
- SANITARY NAPKIN DISPOSAL
- GRAB BARS
 - 3A) 36" UNIT
 - 3B) 42" UNIT
- JUMBO ROLL TOILET TISSUE DISPENSER
- N/A
- SEAT COVER DISPENSER
- PARTITION HOOK
- N/A
- SOLID SURFACE (SS-1) COUNTERTOP
- N/A
- SINK
- FAUCET
- SOAP DISPENSER
- BABY CHANGING STATION
- MOP AND BROOM HOLDERS

RCP LEGEND

| | | | |
|--|--------------------------------------|--|-------------------------|
| | 2X2 LAY-IN CEILING | | GYP. BD. CEILING |
| | EXPOSED STRUCTURE | | 2X4 LAY-IN LENS FIXTURE |
| | 1'-0" FINISHED CEILING HEIGHT A.F.F. | | 1'X2' HUNG LIGHT STRIP |
| | RETURN AIR DIFFUSER | | SUPPLY AIR DIFFUSER |
| | CEILING SPEAKER | | EMERGENCY EXIT FIXTURE |
| | FENCE TOP ENCLOSURE | | |



REVISIONS

| REV | DESCRIPTION | DATE |
|-----|---------------------|------------|
| A | RELEASE FOR BID SET | 05/15/2020 |
| B | ADDENDUM 3 | 06/03/2020 |

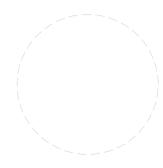
BAGGAGE HANDLING SYSTEM AND WEST TERMINAL EXPANSION

PROJECT NO: C18-2709-AP
 DRAWN: F. KAREEM
 CHECKED: K. MCGILBERRY
 SCALE: As indicated

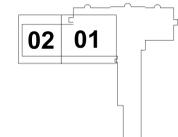
RELEASE FOR BID SET
05/15/2020

ENLARGED PLANS

SHEET NUMBER: AE4-002



KEY PLAN:



REVISIONS

| REV | DESCRIPTION | DATE |
|-----|---------------------|------------|
| A | RELEASE FOR BID SET | 05/15/2020 |
| B | ADDENDUM 3 | 06/03/2020 |

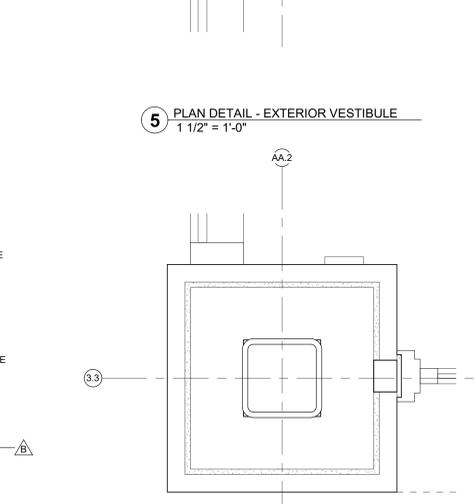
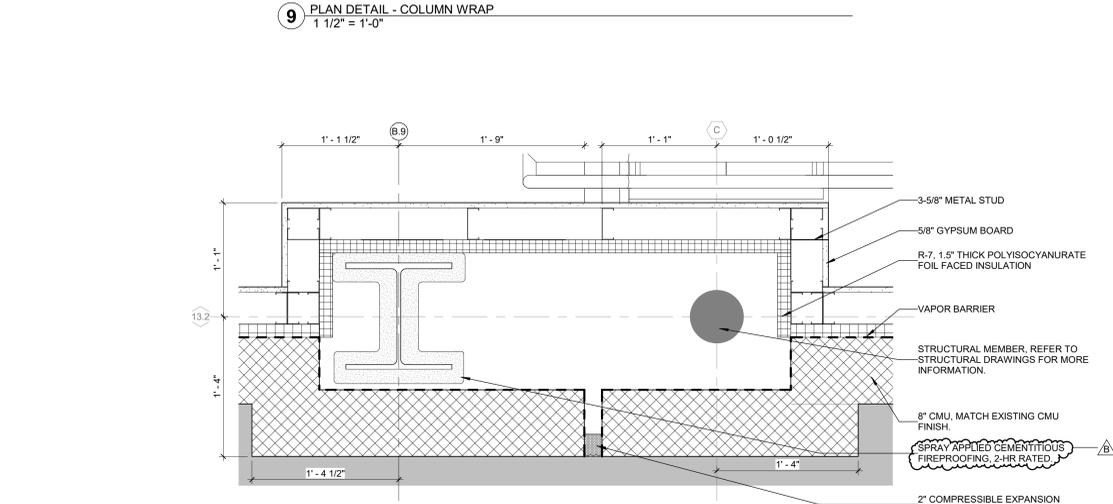
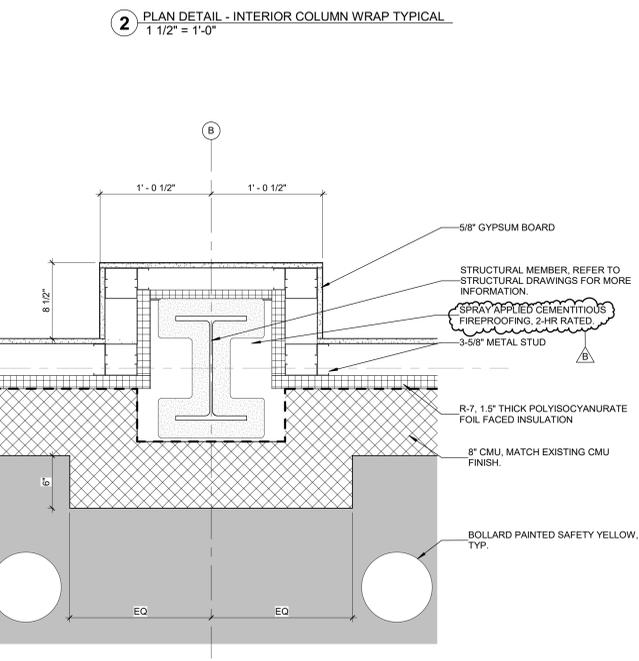
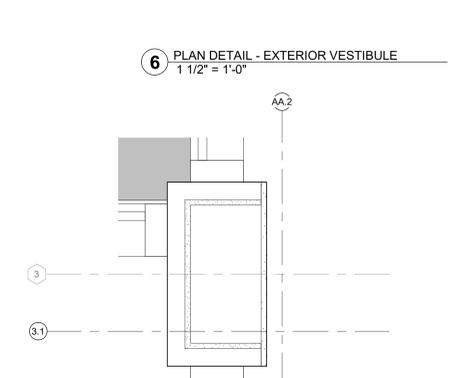
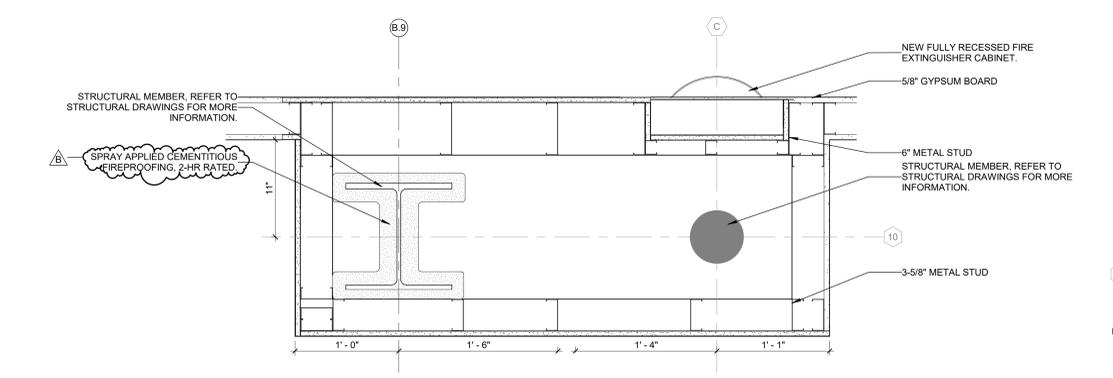
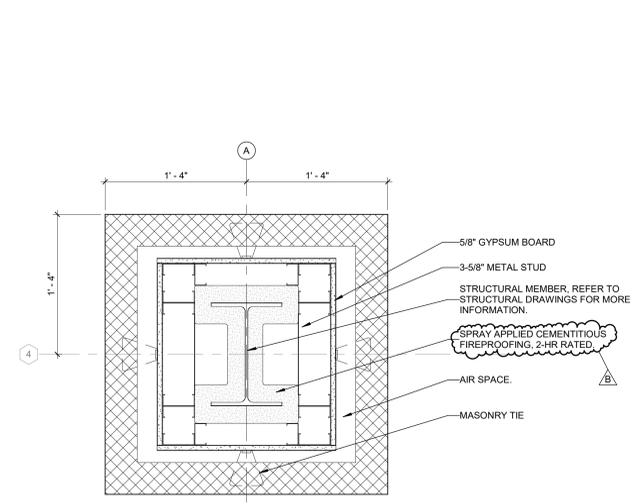
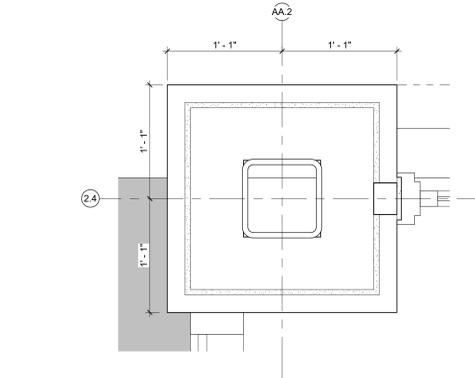
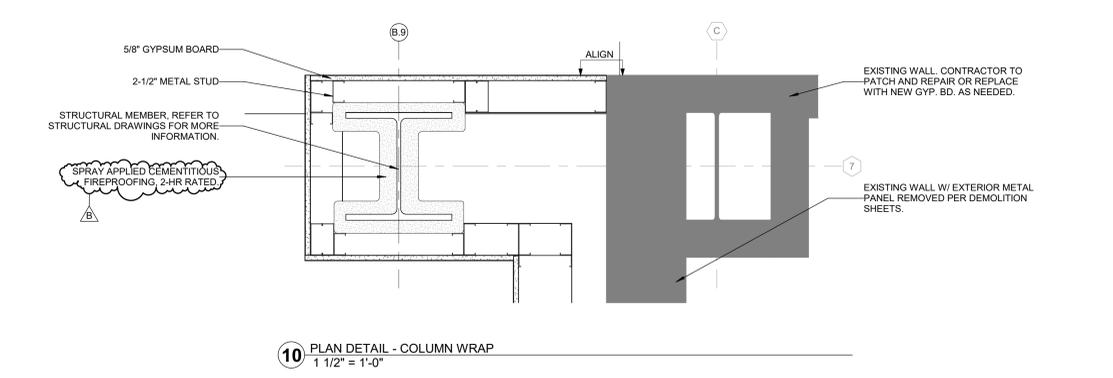
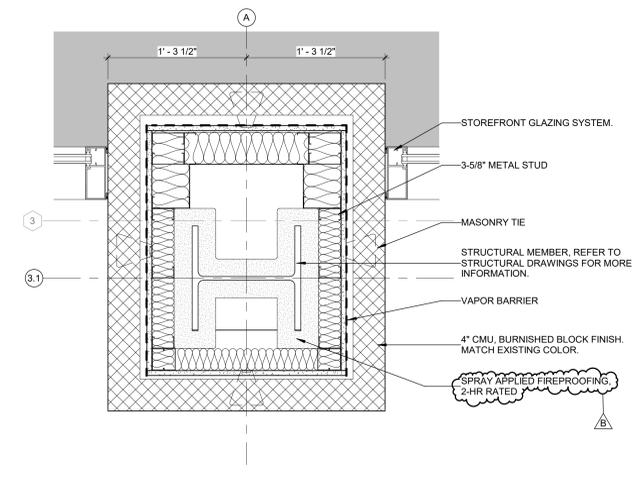
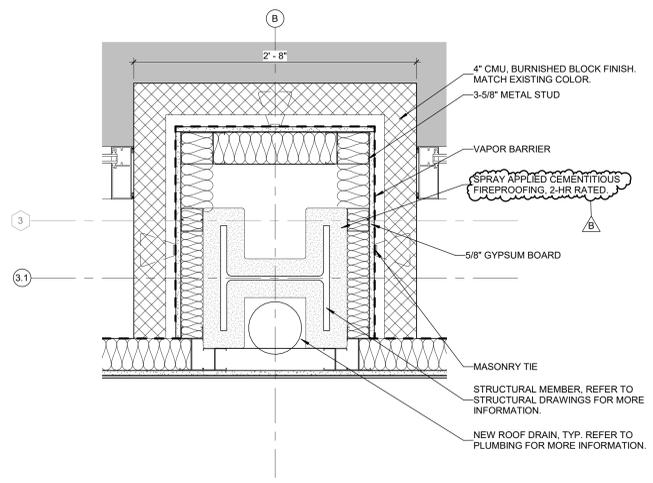
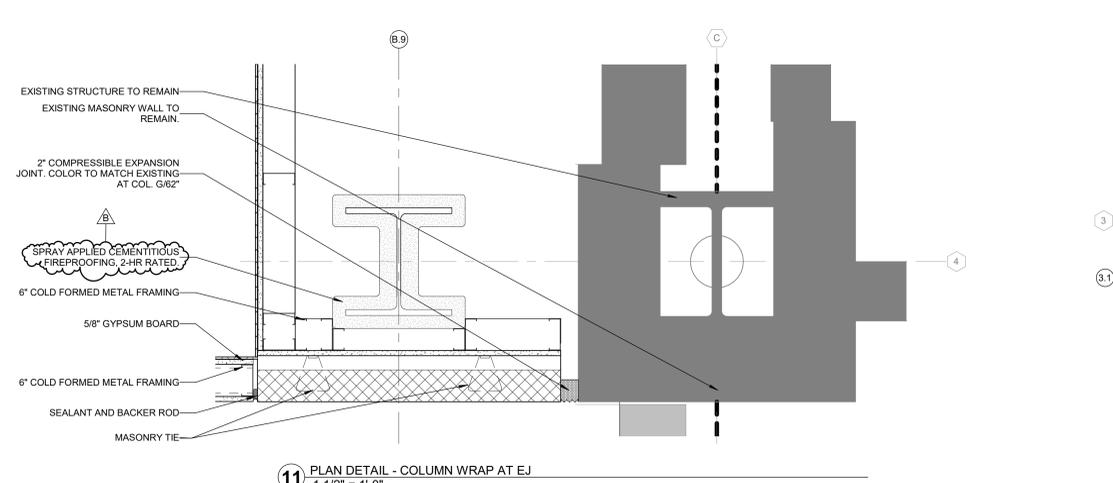
BAGGAGE HANDLING SYSTEM AND WEST TERMINAL EXPANSION

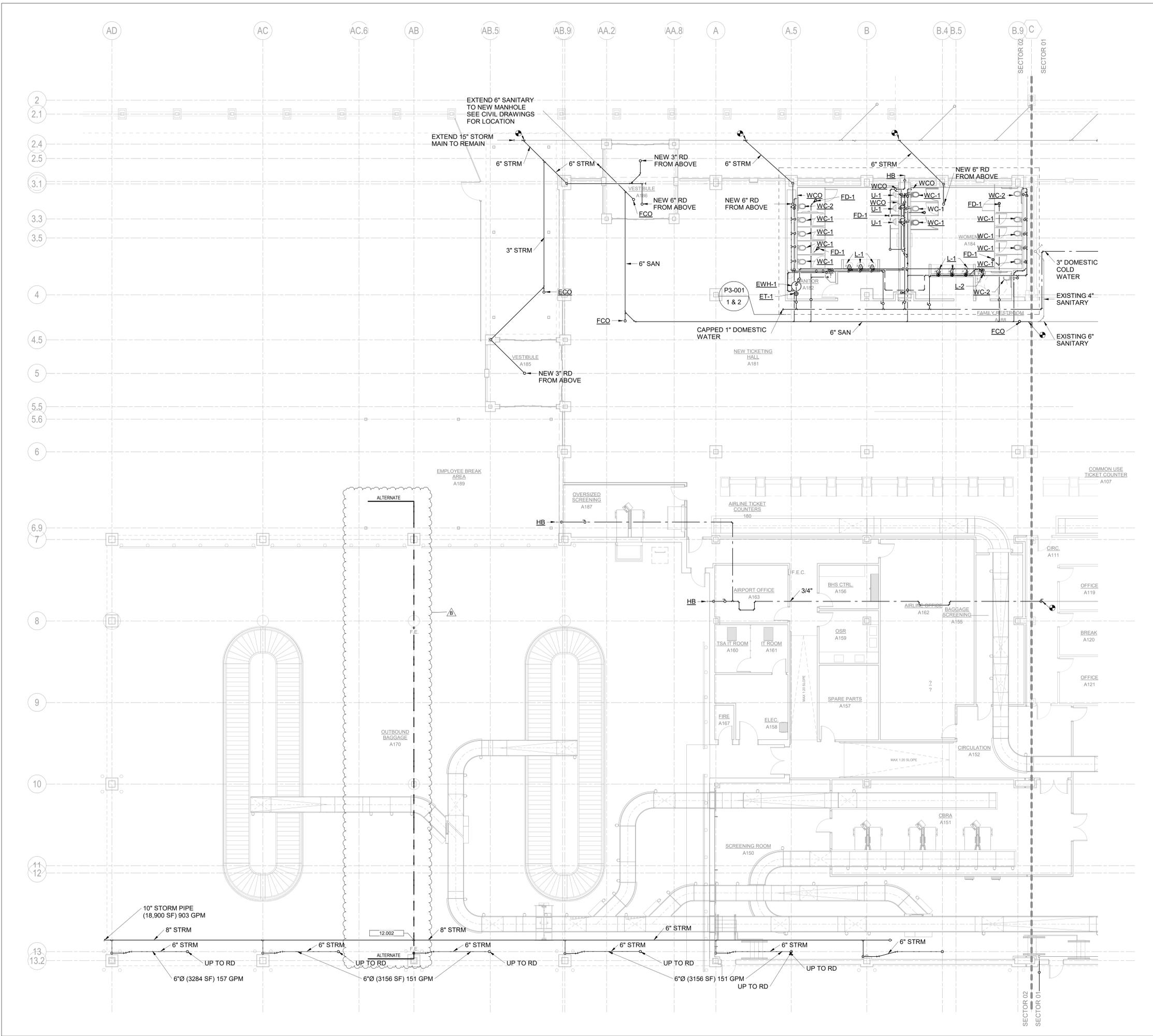
PROJECT NO: C18-2709-AP
DRAWN: R. SMOTHERS
CHECKED: K. MCGILBERRY
SCALE: 1 1/2" = 1'-0"

RELEASE FOR BID SET
05/15/2020

SHEET TITLE:
PLAN DETAILS

SHEET NUMBER:
AE5-041



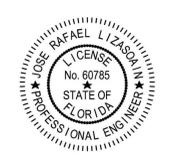


GENERAL NOTES

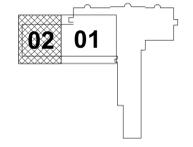
- ALL WORK SHALL COMPLY WITH THE REQUIREMENTS FOR THE FLORIDA BUILDING CODE, FLORIDA PLUMBING CODE, AND LOCAL ORDINANCES.
- CONTRACTOR SHALL COORDINATE WORK WITH ALL TRADES PRIOR TO COMMENCING ANY DEMOLITION.
- COORDINATE WITH OWNER PRIOR TO ANY UTILITY SHUT DOWN. DO NOT PROCEED WITHOUT OWNER AUTHORIZATION.
- REFER TO SPECIFICATIONS AND DETAILS FOR ADDITIONAL INFORMATION.
- IF THERE IS ANY DISCREPANCY BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENT SHALL APPLY.

KEYNOTE LEGEND

12.002 BID DEDUCT: PROVIDE DEDUCT IN THE BID PRICE FOR REMOVAL OF ROOF DRAINS AND PIPING FROM THE SCOPE OF CONSTRUCTION. REDUCED SCOPE IS BAG CLAIM AREA WEST OF MARKING LINE AT COLUMN LINE AB. UNDERGROUND SCOPE FOR CONNECTION OF BASE BUILDING DRAINAGE TO MANHOLE SHALL REMAIN IN THE BID.



GRAEF CERT # 4270 06/03/2020
KEY PLAN:



REVISIONS

| REV | DESCRIPTION | DATE |
|-----|---------------------|------------|
| A | RELEASE FOR BID SET | 05/15/2020 |
| B | ADDENDUM 3 | 06/03/2020 |

Baggage Handling System and West Terminal Expansion

PROJECT NO: C18-2709-AP
 DRAWN: KRS
 CHECKED: JRL
 SCALE: 1/8" = 1'-0"

RELEASE FOR BID SET
 05/15/2020

SHEET TITLE:
PLUMBING RENOVATION - LEVEL 01 - SECTOR 02

SHEET NUMBER:
P1-102

GENERAL PLAN NOTES

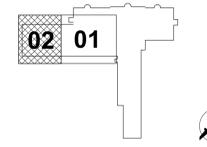
1. THE ELECTRICAL INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2017 AND THE NATIONAL ELECTRIC CODE 2014.
2. ALL GROUNDING ELECTRODE SYSTEMS SHALL BE INTERCONNECTED PER NEC ARTICLE 250.52.
3. ALL WIRING SHALL BE IN CONDUIT. CONDUIT SIZE IS 3/4" MINIMUM UNLESS OTHERWISE NOTED. MC CABLE IS ALLOWED, HOWEVER, ALL HOMERUNS SHALL BE IN CONDUIT. WHERE MC CABLE IS PROVIDED, THE CONDUIT SIZE IS IGNORED. ENT IS NOT PERMITTED. PVC IS ACCEPTABLE WHERE ALLOWED BY CODE. CONTRACTOR MAY USE EMT, GRS OR IMC AS ALLOWED BY CODE.
4. WIRE SIZE SHALL BE MINIMUM #12 AWG. THIN SOLID COPPER UNLESS OTHERWISE NOTED. PROVIDE GROUND WIRE IN ALL CIRCUITS.
5. VOLTAGE DROP IN ACCORDANCE WITH FLORIDA BUILDING CODE 6TH EDITION (2017) ENERGY CONSERVATION CODE CHAPTER 4, SECTION C405.6.3 HAS TAKEN IN ACCOUNT FOR THIS PROJECT. INCREASE WIRE SIZE TO COMPENSATE FOR VOLTAGE DROP WHERE TOTAL LENGTH OF ANY BRANCH EXCEEDS 100 FEET. MULTIPLE BRANCH CIRCUITS SHALL NOT HAVE A SHARED NEUTRAL CONDUCTOR.
7. WORKING CLEARANCES SHALL BE MAINTAINED FOR ALL ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 110.26.
8. WHERE PENETRATING A FIRE RATED WALL ASSEMBLY FOR WIRING, UTILIZE A UL LISTED FIRE-RATED ASSEMBLY, SIZED FOR THE CONDUIT MAKING THE PENETRATION, RATED FOR THE TYPE OF MATERIAL PENETRATING THE ASSEMBLY AND THE MATERIAL BEING PENETRATED, AND POSSESSING THE FIRE RATING OF THE ORIGINAL WALL ASSEMBLY. PENETRATION SHALL BE BY USG OR APPROVED OTHER.
9. REFER TO HVAC WIRING DIAGRAMS AND SCHEDULES FOR CIRCUIT REQUIREMENTS OF HVAC EQUIPMENT.
10. REFER TO ARCHITECTURAL DRAWINGS FOR ROOM NAMES AND NUMBERS.
11. REFER TO EQUIPMENT CONNECTION SCHEDULE ON SHEET E6-003 FOR CIRCUIT REQUIREMENTS FOR HVAC, PLUMBING AND MISCELLANEOUS EQUIPMENT.

KEYNOTE LEGEND

- 1 REFER TO DETAIL SHEET E5-001 FOR ACCESS CONTROL.
- 2 BID ALTERNATE #1: CAMERAS WITHIN DASHED ENCLOSURE, AND EVERYTHING ASSOCIATED WITH THEIR INSTALLATION, SHALL NOT BE INCLUDED IN THE BID TOTAL.
- 3 BID ALTERNATE #1: CAMERAS WITHIN DASHED ENCLOSURE SHALL BE INSTALLED AS SHOWN ALONG GRID LINE "AB".



GRAEF CERT # 4370 06/03/2020
KEY PLAN:



REVISIONS

| REV | DESCRIPTION | DATE |
|-----|---------------------|------------|
| A | RELEASE FOR BID SET | 05/15/2020 |
| B | ADDENDUM #3 | 06/03/2020 |

Baggage Handling System and West Terminal Expansion

PROJECT NO: C18-2709-AP
DRAWN: AV
CHECKED: AHP
SCALE: 1/8" = 1'-0"

RELEASE FOR BID SET
05/15/2020

SHEET TITLE:
SECURITY RENOVATION - LEVEL 01 - SECTOR 02

SHEET NUMBER:
ES1-102

