Rhode Island
Airport Corporation

September 9, 2024

ADDENDUM NO. 3
Invitation for Bids (IFB) No. 35219
Hard Flooring Renovations at
Rhode Island T. F. Green International Airport

Prospective proposers and all concerned are hereby notified of the following changes in the **Invitation for Bids (IFB) No. 35219**. These changes shall be incorporated in and shall become an integral part of the contract documents.

RIAC is extending the schedule and deadlines for this IFB as detailed below:

Deadline for Question:	**September 16, 2024**
Final Addenda Posted:	**September 18, 2024**
Final Bids Due:	**September 25, 2024, 3:00pm**

Response to the questions received by August 14, 2024 are detailed below.

1. **The drawing index references drawing #ID125 but that drawing was not included. Has it been omitted?**
   Response: No, see attached plan for incorporation into the set.

2. **ID1.01 Note 7 remove ext. frame enclosure and prep for new temp enclosure. Some Columns have large items Charge Station, Gate Number sign, Fire Extinguisher AED etc. some items are larger than the new temp column enclosure. What do we do with these? What is done with the electrical/Plumbing in column? If new temp wall is to be the same size as old wall, please clarify.**
   Response: Any existing equipment will be reinstalled on the column enclosure. Refer to attached matrix for items on existing columns. Contractors shall be responsible for removal and reinstallation of all items, and ensuring all systems remain operational after reinstallation.

3. **ID1.02 NOTE 8 Information center area and left and right of it with Boats floor 01. Who is moving large boats?**
   Response: RIAC will be coordinating these efforts.

4. **ID1.02 Information desks note 8 move and reinstall has seamed countertops. Who is replacing the tops? ID1.32 shows new furniture.**

Response: The awarded bidder shall be responsible for removing and reinstalling the information desk in the same location.

5. **ID1.01 drawings call for the columns to be removed, what is the expectation for finish, and paint of the soffits above?**

   Response: The ceiling/soffits shall be patched and repaired in place with in kind materials.

6. **ID1.01 Note 2 column at center of exit lane mezzanine is stone. Note calls to remove what is expected of the 4 sets of doors. And how do we finish the ceiling above? Where do the horn strobe/pull station get relocated to? Where does the key switch get relocated too?**
   Response: Refer to attached ASK-01 for scope of work. Horn strobe shall be reinstalled in new ceiling, pull station and key switch to be relocated to adjacent wall. Existing outlet shall be terminated back to panel, or nearest junction box. New ceiling shall be ½" GWB aligned with the bottom of the existing plexi ceiling, and maintaining the 2" +/- gap that is within the existing ceiling.

7. **Transitions at new bathroom finishes – how would you like us to transition to the ¼ round on the floor at the new bathrooms? Terrazzo will be higher than this finish.**
   Response: The awarded bidder shall be responsible for installing a transition piece (Schluter or equal) that is ADA complaint.

8. **ID1.21 egress doors on column 32 level 01. How do you want the clearance under the door to be handled? Doors are low to existing floor.**
   Response: Walk off mats will be provided at this location. Extents to be shown in updated drawings that will be forthcoming.

9. **ID1.02 NOTE 17 Trenching. What is extent of scope? Depth, what is going in/how many conduits and what size? Who is back filling?**

   Response: Depth should be a min. of 4", with four (4) 2" conduits with pull strings. Awarded contractor will be responsible for back filling and providing new concrete to create new slab for new flooring.

10. **10.ID1.02 note 8 re install case work at vending area? Please confirm.**
    Existing Casework in this area is to be removed in its entirety. Reinstallation would not be needed at this time.

11. **ID1.02 security ticketing area glass in front of vestibule note 2 remove in entirety. Does this include steel beams? Who is responsible to patch ceiling /Soffit if so?**
    Response: Yes, entire assembly should be removed in its entirety. The awarded bidder will be responsible for patching the ceiling, and painting to match.

12. **ID1.02 Board room Counter to be removed/reinstalled. Who is responsible for new counter as the existing in seamed in place. Wing walls to be removed. What will cover end of counters?**
    Response: Counters will be removed in their entirety, and not be reinstalled.

13. **ID1.02 Demo Note 15 Asbestos testing. Please provide testing report.**
    Response: Asbestos testing is not applicable.

14. **Please provide locations for Temp power for large floor machines throughout airport, who will provide power? We will need roughly 200A of 480v.**
    Response: RIAC to confirm locations.

15. **ID1.02 Note 20 please identify the storage location for items to be relocate temporarily? Please confirm airport to relocate all airline specific items and airport specific items. GC to coordinated advanced notice only.**
    Response: RIAC to confirm locations.

16. **ID1.02 Smart Carts – what is being done with these?**
    Response: RIAC will remove and replace Smart Carts

17. **Work hours – will grinding be allowed during day hours? In other airports we can grind on day hours as the noise is not that bad. Staying off third shift will save cost.**
    Response: Grinding will only be allowed after last flight of the evening and before first flight in the morning, as to be coordinated with RIAC.

18. **Barricade- will temp fencing be allowed or are you looking for barricade with dust protection? Is there a height needed?**
    Response: Full barricade with dust protection will be required. Barriers shall go to underside of existing ceiling.

19. **ID5.00 Handrail. What material metal for the handrail?**
    Response: Refer to project manual section 05 73 00

20. **What is the proposed finish on column enclosure?**

Response: Paint, color TBD. Assume one coat of primer and two (2) finish coats.

21. **TSA entrance to / food court seating area – the polishing machine will go past the edge of the terrazzo damaging the tile. Do you have replacement tile? Or a spec of what is Existing?**
    Response: A new radiused border of terrazzo shall be installed 3' off the "leaf" pattern. Extents to be shown in updated drawings that will be forthcoming.

22. **The drawing index references drawing #ID125 but that drawing was not included in set. Has it been omitted?**
    Response: Refer to question 1.

23. **Please provide more detail on area to have ADA slope, including but not limited to transition, Materials, installation methods.**
    Response: Refer to plan keynote 1 on ID1.21, 1.22, ID1.23. The area highlighted on 2/ID1.22 from column line 20-21 is to receive concrete topping slab. Additionally the sloped walkway from column line 21-24 shall receive the same treatment. This will be reflected in revised drawings that will be forthcoming.

24. **Please provide the expectation of timeline for each phase and the entire project.**
    Response: The project duration is 210 days total, the bidder is to supply a timeline based on their understanding of the project requirements.

25. **Please highlight Page or spec for exterior wall vents throughout airport.**
    Response: No exterior walls vents are included in this scope of work.

26. **Please provide a list of GCs bidding on the project.**
    Response: RIAC has posted the list of pre-bid attendees. Bidder list can only be provided after the bid period has ended.

27. **Specification #096613 calls for Portland Cement Terrazzo. ID6.00 Hard finish schedule calls for Epoxy Terrazzo. Please advise which Terrazzo system will be used?**
    Response: Epoxy terrazzo shall be used.

28. **Please confirm all Terrazzo to be 5/8" thick?**
    Response: Confirmed

29. **Please advise if Moisture Mitigation and crack membrane should be carried at all terrazzo locations?**
    Response: Please refer to specification section #096613.

30. **Will Power (480V-60A-Three Phase) be available?**

    Response: Yes, three phase power availability will be coordinated with RIAC electricians.

31. **During the walkthrough, it was mentioned the ramps will be sloped by adding a topping slab. Please advise if moisture mitigation will be needed at these locations?**
    Response: No.

32. **Should Off hours be carried for the grinding?**
    Response: See response to question 17.

33. **This project has many phases. Should we assume the terrazzo work will be a single, continuous mobilization or will we be required to remobilize?**
    Response: The schedule should maintain a continuous work flow.

34. **Will the roadway to the Departure levels be open for deliveries? If not, what is the process for deliveries?**
    Response: Deliveries to be made to delivery court (access off Airport Road). Alternative delivery locations may be coordinated with RIAC on a case-by-case basis, according to need.

35. **To price architect's design intent, please provide detailed drawing of brass metal work required for the North Concourse, South Concourse, and Independent Man Statue.**
    Response: Detailed drawings are included in this addendum drawing set.

36. **Please confirm all letters to be solid brass, not TZ filled outlines.**
    Response: Confirmed, all letters are to be solid brass.

37. **ID6.00 Hard Finish schedule calls for metal base at built in TZ benches. Where are TZ benches located? Are detail drawings available?**
    Response: No benches are part of this work scope, and will be completed at a future time.

38. **On ID1.20 TZ-05 band around baggage claim carousels measures 1'4" to 1'8" on ID1.21 the bands measure 4" to 5" wide. Please clarify.**
    Response: Enlarged plans should be followed.

39. **Please clarify thickness of Terrazzo stairs. As shown on 7,8/ID5.00 Terrazzo treads and risers are ½" thick but the Terrazzo floor is spec'd at 5/8" thick due to size of aggregates. Precast Terrazzo stairs using this formula cannot be manufactured at ½". Precast manufacturers have a minimum thickness of ¾" and a recommended thickness of 1".**
    Response: Please use 1" thickness.

40. **Can you confirm that the crack isolation membrane is required at cracks only (approx. 10% of floor) and not full coverage of the floor? (ref section 2.2.B of the terrazzo spec)**
    Response: Confirmed.

41. **Can you confirm the finish polish required for the terrazzo? The spec references 400 grit finish (ref section 2.4.F) and1800 grit finish (ref section 3.3.I)**
    Response: Provide 1800 grit finish.

42. **Can you provide a higher quality/resolution photo or CAD drawings of the Independent Man Statue? (details 2 & 6 on ID5.01)**
    Response: Refer to question #35.

43. **Can you provide higher quality/resolution photos or CAD drawings of the seals at the North & South Concourse end caps? (details 3 & 4 on ID5.01)**
    Response: Refer to question #35.

44. **Can you confirm that the terrazzo stringers at the North & South concourse entry stairs should only be included on one side of the stairs? (detail 7 on ID5.00)**
    Response: Both North and South stairs shall receive terrazzo stringers.

45. **Can you provide a sample plate number for TZ-02? (ref ID6.00)**
    Response: Please use plate TM#24-1689.

46. **During the walkthrough, the architect brought to our attention that the sloped walkways at the concourse entry must be modified to comply with ADA requirements. According to keynote #1 on page ID1.22 of the drawings, the only area where the slope needs to be reworked is at the circulation on the mezzanine level. To provide an accurate budget for the items described above, please provide a survey and details of the slopes required for ADA compliance.**
    Response: Refer to question 23

47. **The terrazzo spec 096613 calls for a 200 grit finish with the exception of black terrazzo which receives a 400 grit finish. It also calls to polish to an 1800 grit finish. Please clarify what grit finish should be included in the terrazzo price.**
    Response: Refer to question 41

48. **Can the abrasive lines on ramps receiving epoxy terrazzo floor be surface applied or will they be installed in channels?**
    Response: Installed in channels inset in the terrazzo. See detail 7/ID5.00

49. **Please clarify they thickness of the abrasive lines on the terrazzo stair treads/risers.**
    Response: See detail 7/ID5.00. The thickness (depth) of each abrasive line is to be ¼" thick, inset within the terrazzo.

50. **Will the abrasive lines on the terrazzo stair tread/risers receive margins?**
    Response: Yes, they are to receive margins. See detail 7/ID5.00 for the margin dimension.

51. **Is it possible for the bid date to have a 1-2 week extension so we can clarify scope with our subs?**
    Response: This addendum extends bid timeline.

52. **What are the requirements for devices such as for fire alarm while work is taking place on columns (e.g., do we need to bring that out to a barrier wall?) does the airport have enough other coverage?**
    Response: Refer to question 2

53. **Please provide specifications for any new electrical device, including but not limited to floor boxes. Please include all attributes including finish, specification of receptacles, fire rating etc…**
    Response: There will be no electrical work in relation to new floor boxes. The intent is to install empty floor box in new terrazzo flooring. New electrical will be completed at a later date.

54. **For existing poke through in the airport what will be expected to happen with them?**
    Response: Question is unclear. Prospective bidder may elaborate in a new question submission.

55. **Please indicate existing conditions such that would be necessary to plan connections of 3 phase 480V 60A equipment. Include at a minimum, electrical rooms containing 480V panels, their respective panel schedules, the existing**

connected load (is there enough room to physically mount an additional 3 pole circuit breaker and is their enough available ampacity to handle a 60A motor load)
Response: RIAC to confirm locations of 480V panels in future addendum.

56. **Please provide existing conditions drawings indicating quantity and type of all electrical devices/ connections affected by this contract. This would include power/data service to vendor kiosks, ticketing kiosks, any walls to be demo-ed.**
Response: Refer to question #1

57. **Please clarify conduit size/type for any new conduit runs in trenched flooring. Include any relevant detail drawings such as final connection, fastening, etc.**
Response: Refer to question 9.

58. **Per section 80-07 the timeline projected is not close to alignment with the scope of work and phasing of work required. How do we proceed within a reasonable timeline?**
Response: Project duration is 210 days. Contractor should plan resources accordingly to meet this timeline.

59. **Half height glass block wall near hold gate 17 roughly (NOT SHOWN ON PRINTS) what is being done with this wall?**
Response: Glass wall to be demolished in it's entirety. This work will be done prior.

60. **What is being done with Gineva store? Who is responsible?**
Response: This store will be relocated in advance of construction.

61. **What is the thickness of the concrete floor slab?**

    Response: It is assumed that the concrete floor slab is 5 ½" +/- based off existing airport documents.

62. **Plans do not show new power at the existing display cases in the corridor. Are these going to need power after work is complete?**
Response: No, these are being removed. Power should be brought back to panel.

63. **For barricades consuming egress, who will be responsible for foot traffic/passenger flow?**
Response: The awarded contractor shall be responsible for all signage directing public to nearest egress if blocked.

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END OF SECTION 00003

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SECTION 00010 - ADVERTISEMENT FOR BID

Sealed bids will be received by the Rhode Island Airport Corporation (RIAC) (the Owner) at **Rhode Island T. F. Green International Airport, 2000 Post Road, Warwick, RI 02886** until ***September 19*, 2024 at 3:00 PM** local time, at which time and place all bids will be publicly opened and read for the following project:

Hard Flooring Renovations
Rhode Island T.F. Green International Airport
Warwick, RI
RIAC Construction Contract No 35219

RIAC accepts deliveries during normal business hours Monday through Friday 8:30am to 4:00pm EDT excluding national and local state holidays. It is the sole responsibility of the responding firm to ensure delivery of its bid on or before the due date/time, RIAC will not accept any bid that is received after the due date/time with NO EXCEPTIONS. RIAC will not accept electronic bid submissions (email, web, fax, etc.). RIAC accepts no financial responsibility for any costs incurred by a firm in responding to this IFB, participating in oral presentations, or meeting with RIAC prior to being awarded the contract. The proposals in response to this IFB become the property of RIAC and may be used by RIAC in any way it deems appropriate. All information submitted in response to this IFB is deemed public and subject to disclosure unless a separate redacted public copy is submitted, regardless of whether the information is marked confidential/proprietary. Firm's may redact in the public copy any trade secrets or commercial or financial information which is of a privileged or confidential nature pursuant to the Access to Public Records Act (R.I. Gen. Laws § 38-2 et. seq.). If Firm does not submit a redacted public copy, RIAC assumes that firm is not seeking confidential treatment for any of its information and thus, all information is subject to public disclosure. By submitting a proposal, the firm certifies that it has fully read and understands the IFB, has full knowledge of the scope of work to be provided, and accepts the terms and conditions under which the services are to be performed. RIAC will be the sole judge in determining as equivalent products (if applicable).

Project scope will include (but not limited to):

- Selective demolition of existing flooring materials in ticketing, concourse, baggage claim and other areas, demolition of select walls, column wraps and doors, as well as removal and reinstallation of items, such as, but not limited to: railings, guard rails, millwork and fixtures, furnishings, and equipment.
- New concrete topping slab at select areas to modify existing sloped walkways
- New hard flooring (poured terrazzo, terrazzo tile, tile, carpeting) flooring throughout ticketing, concourse, baggage claim, and other areas, done in phases, as well as tile carpeting and walk off mats in security and other noted areas. *New floor grilles will also be installed, as well as electrical floor boxes, which will be powered/wired under a separate agreement.*
- Installation of temporary walls, doors, ramps, and stairs to maintain all egress routes and access, as well as separating work areas from public spaces.

The contract time is as stated in Section 80 of the FAA General Provisions. Project notice to proceed is anticipated in late Fall/ early Winter 2024.

Each sealed bid shall be accompanied by a certified check, cashier's check or satisfactory Bid Bond, in an amount equal to five percent (5%) of the bid, payable to the Rhode Island Airport Corporation.

The successful bidder will be required to execute and furnish a Performance Bond, and Labor and Materials Payment Bond as security for faithful performance and payment of all bills and obligations arising from the performance of the work. Each security shall be in an amount of not less than 100% of the contract price and shall be in a form acceptable to the Owner.

A public **Pre-Bid Meeting and site visit** for prospective bidders will be conducted **at RI TF Green International Airport, 2000 Post Road, Warwick, RI** at **1:00PM** on **August 6, 2024**. Attendance for the Pre-Bid Conference will be taken promptly at 1:00 PM, and all parties will be required to state their name and the name of their firm. A site visit will follow at the conclusion of the Pre-Bid Meeting. Site Visit attendees shall complete and send the Visitor Badge Application, which can be found as an Attachment to this Advertisement, to procurement@pvdairport.com, no later than **1:00 PM on July 31, 2024**. Attendees shall report to the RIAC offices, at T. F. Green International Airport Terminal Building, 2000 Post Road, Warwick, RI and check in at reception on 3rd Floor.

Neither the Owner, nor the Engineer, shall be responsible for disseminating information discussed at the Pre-Bid Meeting or Site Visit except as issued by Addendum. No other scheduled tours or visits of the project site will be conducted.

All questions or requests for clarification regarding the bid documents or the project are to be submitted by email to the Office of Procurement via email at procurement@pvdairport.com. The deadline for submission of questions is by **1:00 PM on *September 6*, 2024**. Answers to significant questions received by this deadline or clarifications will be provided to all prospective bidders through addenda posted on the procurement page of the RIAC website at www.flyri.com/riac/procurement site by **end of day on *September 11*, 2024**. It is the bidders' responsibility to check the procurement page of the RIAC website at www.flyri.com/riac/procurement site frequently for addenda.

No bidder may withdraw his bid within one hundred eighty (180) days after the actual date of opening hereof. Award of the contract shall be made to the lowest responsible and responsive bidder whose bid conforms to written requirements of the Owner. The award of this contract is subject to approval of the Federal Aviation Administration.

Wages of Labor on Federal-Aid Airport Projects – The prevailing wage rates for laborers and mechanics employed by contractors or subcontractors on the initial construction of airport projects shall be paid wages at rates not less than those prevailing on the same type of work on similar construction in the immediate locality as determined by the United States Secretary of Labor, in accordance with the Act of August 30, 1935, known as the Davis-Bacon Act, under the most recent

General Wage Decision. The EEO requirements, labor provisions and wage rates are included in the specifications and bid documents are available for inspection at the Office of the Owner.

Work Hours Act of 1962 – This contract is subject to the Work Hours Act of 1962, Public Law 87-581 and implementing regulations.

The contractor must comply with certain Federal Contract Provisions shown in the bid documents, including but not limited to Buy American Preference, Civil Rights – Title VI Assurance, Davis-Bacon Requirements, Certification of Offeror/Bidder Regarding Debarment, Disadvantaged Business Enterprise, Certification Regarding Lobbying, Recovered Materials, Trade Restriction Certification, and Executive Order 11246. The contractor must pay wages to employees in compliance with the minimum wages established by the latest U.S. Department of Labor Wage Determination. All requirements of the State of Rhode Island and all administrative regulations shall apply to this project as if herein written out in full.

The requirements of 49 CFR Part 26, Regulations of the U.S. Department of Transportation, apply to this contract. It is the policy of the Rhode Island Airport Corporation to practice nondiscrimination based on race, color, sex, or national origin in the award or performance of this contract. All firms qualifying under this solicitation are encouraged to submit bids/proposals. Award of this contract will be conditioned upon satisfying the requirements of 49 CFR Part 26. These requirements apply to all Bidders, including those who qualify as a DBE. RIAC, utilizing race-neutral DBE procedures has established an overall three-year **DBE participation goal is 3.2%** for FAA funded projects for federal fiscal years 2021 through 2023.

The attention of prospective bidders is called to the fact that this project is to be bid upon and the contract executed, under the Rules and Regulations for carrying out the provisions of the Airport and Airway Improvement Act of 1982; Public Law 97-248 and Part 152 of the Federal Aviation Regulation (14 CFR Part 152), Title VI of the Civil Rights Act of 1964, as amended and supplemented, and the required provisions of Federal-Aid Contracts, as provided for in Chapters 85, 86, and 88 of the Public Laws of Rhode Island, 1960. In addition, the proposed contract is under the subject of Executive Order Nos. 11246, as amended, of September 24, 1965 and 13202 of February 17, 2001, and to the Equal Employment Opportunity (EEO) and Federal Labor Provisions.

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Timetables –

Goals for minority participation for each trade:	3.0%
Goals for female participation in each trade:	6.9%

These goals are applicable to all of the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the Contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the Contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a) and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs (OFCCP) within 10 working days of award of any construction subcontract in excess of $10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address, and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

4. As used in this notice and in the contract resulting from this solicitation, the "covered area" is City of Warwick, Kent County, Rhode Island.

TITLE VI SOLICITATION NOTICE

RIAC, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 USC §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders or offerors that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises and/or airport concession disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation for bid and will not be discriminated against on the grounds of race, color, or national origin (including limited English proficiency), creed, sex (including sexual orientation and gender identity), age, or disability in consideration for an award.

Visitor Badge Application

Invitation for Bids No. [PROJECT NO.]

Name: _____ _____ _____
Last **First** **Middle**

Firm Name: _____

Driver's License Number/State ID Card: _____ _____
Number **State**

Expiration Date: ____/____/_____
MM DD YYYY

Date of Birth: ____/____/_____
MM DD YYYY

Do you have an existing active Badge? Yes / No (please circle one)

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SECTION 00320 - BID FORM

To: Rhode Island Airport Corporation
Rhode Island T. F. Green International Airport
2000 Post Road
Warwick, Rhode Island 02886
ATTN: Office of Procurement

Date:_____

Time:_____

For:

Hard Flooring Renovation
T.F. Green International Airport
Warwick, RI
RIAC Construction Contract No. 35219

The undersigned, having visited the site of the work and having familiarized themselves with local conditions affecting the cost of the work and with all requirements of the proposed Contract Documents, and duly issued Addenda to said documents, as acknowledged herein, propose to furnish and perform all labor, materials, necessary tools, expendable equipment, and all utility and transportation services necessary to perform and complete in a workmanlike manner all work required by said documents and Addenda.

ADDENDA: Bidder acknowledges receipt of and has examined the Addenda:

Addendum Number_____ dated _____
Addendum Number_____ dated _____
Addendum Number_____ dated _____
Addendum Number_____ dated _____

Acknowledged by _____date _____.

BID PROPOSAL: This Proposal shall be filled in by the BIDDER with prices written in both words and numerals and the extensions made by him/her. In case of discrepancy between the words and numerals, the amounts shown in words shall govern.

BIDDER agrees to perform all necessary labor, furnish all materials and do all work described in the Specifications, including allowances, and shown on the Drawings, for the following lump sum prices and/or unit prices:

BID PROPOSAL: Bidder agrees to perform all of the work described in the Contract Documents, including allowances, for the sum of:

Total Bid:

_____ $ _____
(Words shall govern) (Figures)

Rhode Island Airport Corporation
Hard Flooring Renovation
TF Green Airport
Warwick, Rhode Island
RIAC Construction Contract No. 35219
SCHEDULE OF PRICES – BASE BID

Item No.	Pay Item No.	Estimated Quantity	Item of Work With Unit Prices Written in Words	Figures			
				Unit Bid Price		Total Amount	
				Dollars	Cents	Dollars	Cents
1	024119	1 LS	Demolition of Walls at Columns at _____ Dollars & Cents per Lump Sum				
2	024119	179,671 SF	Demolition of Flooring at _____ Dollars & Cents per Square foot				
3	00800	1 LS	Temporary Walls, Doors, Stairs, and Ramps at _____ Dollars & Cents per Lump Sum				
4	024119	1 LS	Removal and reinstallation of salvaged items at _____ Dollars & Cents per Lump Sum				
5	035300	2,500 SF	Concrete Topping Slab at _____ Dollars & Cents per square foot				
6	055113	1 LS	Metal Pan Stair at _____ Dollars & Cents per lump sum				
7	*096623*	117,755 SF	Epoxy Terrazzo Flooring at _____ Dollars & Cents per Square foot				

Rhode Island Airport Corporation
Hard Flooring Renovation
TF Green Airport
Warwick, Rhode Island
RIAC Construction Contract No. 35219
SCHEDULE OF PRICES – BASE BID

Item No.	Pay Item No.	Estimated Quantity	Item of Work With Unit Prices Written in Words	Figures			
				Unit Bid Price		Total Amount	
				Dollars	Cents	Dollars	Cents
8	096613	19 Treads	Precast Terrazzo at _____ Dollars & Cents per Tread				
9	093033	14,250 SF	Stone Tile at _____ Dollars & Cents per Square Foot				
10	096813	1,580 SF	Carpet Tile Flooring at _____ Dollars & Cents per Square Foot				
11	096816	525 SF	Carpet Flooring at _____ Dollars & Cents per Square Foot				
12	128413	3,145 SF	Walk off Mat Flooring at _____ Dollars & Cents per Square Foot				
13	092216 092900 099123	1,650 LF	Gypsum Board & Metal Stud at _____ Dollars & Cents per Linear Foot				
14	057300	24 LF	Decorative Metal Railing at _____ Dollars & Cents per Linear Foot				
15	083123	1 LS	Floor Doors at _____ Dollars & Cents per Lump Sum				

Rhode Island Airport Corporation
Hard Flooring Renovation
TF Green Airport
Warwick, Rhode Island
RIAC Construction Contract No. 35219
SCHEDULE OF PRICES – BASE BID

Item No.	Pay Item No.	Estimated Quantity	Item of Work With Unit Prices Written in Words	Figures			
				Unit Bid Price		Total Amount	
				Dollars	Cents	Dollars	Cents
16	233713	120 Floor Grilles	Floor grilles at _____ Dollars & Cents per Floor Grille				
17	*262726*	1 LS	Empty Floor Boxes and Conduit with pull strings at _____ Dollars & Cents per Lump Sum				

PLEASE MAKE SURE A BID IS ENTERED FOR EACH ITEM

TOTAL BASE BID PRICE: $ _____
(Amount in Figures)

_____
(Amount in Words)

LIQUIDATED DAMAGES: Upon execution of the contract, the Contractor shall proceed with the preparation and submittal of shop drawings and his tentative construction schedule and with subsequent ordering and fabricating of materials. The Owner will issue a written "Notice-to-Proceed (NTP)" which will specify an effective date for the Contractor to begin work at the site. See Section 80-02 for more information on the NTP and Section 80-08 for the Contract Duration.

Should work continue beyond time specified above, and no time extension has been granted via the Change Order process, then liquidate damages will be assessed to the Contractor for each and every calendar day the work remains uncompleted.

Liquidated damages for this project shall as indicated in Section 80-08 for Contractor's failure to complete any work area within the duration stipulated in Section 80-08.

The undersigned affirms that in making such bid, neither he or she nor any company that they may represent, nor anyone in behalf of him or her or their company, directly or indirectly, has entered into any combination, collusion, undertaking or agreement with any other bidder or bidders to maintain the prices of said work, or any compact to prevent any other bidder or bidders from bidding on said Contract or work and further affirms that such bid is made without regard or reference to any other bidder or proposer and without any agreement or understanding or combination either directly or indirectly with any other person or persons with reference to such bidding in any way or manner whatsoever.

The undersigned further agrees that if awarded the Contract he or she will commence the work within ten (10) calendar days after the date of the Notice to Proceed and that he or she will complete the work in accordance with the Summary Schedule and Key Milestones and Substantial Completion date set forth in the Bidding and Contract Documents or such amended date as may be granted. If the undersigned fails to complete the work as provided in the aforementioned schedule, then and in that event, he or she further expressly agrees that, for each day that any phase of work under this Contract remains uncompleted thereafter the Owner may deduct from the Contract price herein specified the stipulated sum of liquidated damages as provided in the Special Provisions and retain that sum for failure of the undersigned to complete this Contract on or before the expiration of the period shown in the completion schedule.

In submitting this bid, it is understood that the right is reserved by the Owner to the fullest extent permitted by law to waive any informality or irregularity in any bid or bid guaranty, to reject any and all bids, to re-bid, to award or refrain from awarding a contract for the work and to negotiate with the apparent qualified low responsive bidder to such extent as may be beneficial to the Owner in its sole discretion.
The undersigned attaches hereto a cashier's check, certified check or Bid Bond in the sum of _____ Dollars ($_____), payable to the Rhode Island Airport Corporation, as required in the Information for Bidders, and the undersigned agrees that in case he or she fails within five (5) calendar days after Notice of Intent to Award the Contract to him or her, to enter into a Contract Agreement in writing and furnish the required Payment and Performance Bonds, with surety or sureties to be approved by Owner, and insurance policies or endorsements, the Owner may, as its option, determine that the undersigned has abandoned his rights and interest in such bid and that the cashier's check, certified check, or Bid Bond accompanying his or her bid has been forfeited. Otherwise, the cashier's check, certified check, or Bid Bond shall be returned to the undersigned upon the execution of the Contract and acceptance of the bonds and insurance, or upon rejection of his or her bid.

A bid shall be considered unresponsive and shall be rejected if it fails to include fully executed statements or if the Bidder fails to furnish required data. When a determination has been made to award the Contract to a specific Contractor, such Contractor shall, prior to award, furnish such other pertinent information regarding his or her own employment policies and practices as well as those of his or her proposed Subcontractors as the Owner may require.

The bidder shall furnish similar statements executed by each of his or her first-tier and second-tier Subcontractors whose contracts equal Ten Thousand Dollars ($10,000.00) or more and shall obtain similar compliance by such Subcontractors before awarding such Subcontractors. No subcontract shall be awarded to any non-complying Subcontractor.

The undersigned affirms that he or she has completed all of the blank spaces in the "Bid Form", with an amount in words and numbers and agrees that where a discrepancy occurs between the prices quoted in

words and/or in numbers the lowest figure quoted shall take precedence and govern when determining final costs or award of Contract.

The undersigned affirms that wages not less than the minimum rates or wages, as predetermined for this project by the State of Rhode Island were used in the preparation of this "Bid Form".

SIGNATURE OF BIDDER

* Signed _____

By: _____

Title: _____

Date: _____

This proposal includes Addendum Numbers(s): _____
(Fill in numbers(s) if Addendum(s) are issued)

Address of permanent place of business to which Notice-to-Proceed should be sent:

_____

_____

Email Address: _____

*Important: Execute acknowledgment of officer or agent who signs this document (use proper form below):

ACKNOWLEDGMENT OF PRINCIPAL, IF A CORPORATION:

State of: (_____)

County of: (_____)§

On this _____ day of _____, 20_____, before me personally came and appeared _____to me Known, who, being by me duly sworn, did depose and say to me that he/she resides at _____, _____that he/she is the _____ of _____ the corporation described in and which executed the foregoing instrument, and that he/she/they know(s) the seal of said corporation; that the seal affixed to said instrument is an impression of such seal; that it was so affixed by the order of the directors of said corporation, and that he signed his name thereto by like order.

(Seal) __ _____
Notary Public

ACKNOWLEDGMENT OF PRINCIPAL, IF A PARTNERSHIP:

State of (_____)

County of (_____)§

On this _____day of _____ 20_____, before me personally came and appeared _____ to me known and known to me to described in and who executed the foregoing instrument and he/she acknowledged to me that he/she executed the same as and for the act and deed of said firm.

(Seal) _____
Notary Public

ACKNOWLEDGMENT OF PRINCIPAL, IF AN INDIVIDUAL:

State of (_____)

County of (_____)§

On this _____day of _____ 20_____, before me personally came and appeared _____ to me known and known to me to be the person described in and who executed the forgoing instrument and acknowledged that he/she executed the same.

(Seal) _____
Notary Public

ANTI-COLLUSION CERTIFICATE FOR CONTRACT AND FORCE ACCOUNT (SWORN AFFIDAVIT)

Title 23, United States Code, Section 112(c), requires, as a condition precedent to approval by the Rhode Island Airport Corporation (RIAC) of the contract for this work, that there be filed a sworn statement executed by, on behalf of, the person, firm, association, or corporation to whom such contract is to be awarded, certifying that such person, firm, association, or corporation has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with such contract. This sworn statement shall be in the form of an affidavit executed and sworn to be the successful bidder before a person who is authorized by the Laws of this State to administer oaths.

The person, firm, association, or corporation submitting the bid (under 23 U.S.C. 112(c)) has the option to sign either:

a. the sworn affidavit executed and sworn to by the bidder before a person who is authorized by the laws of the State to administer oaths; or

b. the unsworn declaration executed under penalty of perjury under the laws of the United States (as allowed by 28 U.S.C. 1746).

A bidder will not be considered for award of contract under this invitation for bids unless such bidder completes either the unsworn declaration (as stated on the following page) or the sworn affidavit as prescribed below:

PLEASE NOTE: CONTRACTOR TO COMPLETE ONLY ONE (1) CERTIFICATION STATEMENT. DO NOT SIGN BOTH STATEMENTS.

ANTI-COLLUSION CERTIFICATE FOR CONTRACT AND FORCE ACCOUNT (SWORN AFFIDAVIT)

To the: RHODE ISLAND AIRPORT CORPORATION

State of _____

County of _____§

I, _____ (name of party signing affidavit)

_____ (title), being duly sworn, do

depose and say: on behalf of _____ that said Contractor has not, either directly or indirectly, entered into any agreement, participated in collusion, or otherwise taken any action in restraint of free competitive bidding in connection with Rhode Island Airport Corporation Construction Contract Number 35219.

County of _____

Town/City _____

_____
Contractor

_____
Signature

Sworn to before me this _____ day of _____ 20_____

My commission expires _____ _____
Signature and Seal of Notary Public

ANTI-COLLUSION CERTIFICATE FOR CONTRACT AND FORCE ACCOUNT (UNSWORN AFFIDAVIT)

Title 23, United States Code, Section 112(c), requires, as a condition precedent to approval by the Rhode Island Airport Corporation (RIAC) of the contract for this work, that there be filed a unsworn declaration executed by, on behalf of, the person, firm, association, or corporation submitting the bid, certifying that such person, firm, association, or corporation has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with submitted bid. This unsworn statement shall be in the form of a declaration executed under penalty of perjury under the laws of the United States.

The person, firm, association, or corporation submitting the bid (under 23 U.S.C. 112(c)) has the option to sign either:

a. the sworn affidavit executed and sworn to by the bidder before a person who is authorized by the laws of the State to administer oaths; or
b. the unsworn declaration executed under penalty of perjury under the laws of the United States (as allowed by 28 U.S.C. 1746).

A bidder will not be considered for award of contract under this invitation for bids unless such bidder completes either the sworn affidavit (as stated on the previous page) or the unsworn declaration as prescribed below:

ANTI-COLLUSION CERTIFICATE FOR CONTRACT AND FORCE ACCOUNT (UNSWORN AFFIDAVIT)

To the: RHODE ISLAND AIRPORT CORPORATION

State of _____

County of _____ §

I, _____ (name of party signing affidavit)

_____ (title), under penalty of perjury

under the laws of the United States, do depose and say: on behalf of _____ that said Contractor has not, either directly or indirectly, entered into any agreement, participated in collusion, or otherwise taken any action in restraint of free competitive bidding in connection with Rhode Island Airport Corporation Construction Contract Number 35219.

County of _____

Town/City _____

_____
Contractor

_____
Signature

Sworn to before me this _____ day of _____20_____

My commission expires _____ _____
Signature and Seal of Notary Public

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

1. Type of Federal Action: a. contract b. grant c. cooperative agreement d. loan e. loan guarantee f. loan insurance	**2. Status of Federal Action** a. bid/offer/application b. initial award c. post-award	**3. Report Type** a. initial filing b. material change For Material Change Only: Year _____Quarter _____ Date of last report _____

4. Name and Address of Reporting Entity:	**5. If Reporting Entity in No. 4 is Subawardee, Enter Name and address of Prime:**
6. Federal Department Agency:	**7. Federal Program Name/Description:**
8. Federal Action Number, *if known:*	**9. Award Amount**, *if known:* **$**
10a. Name and Address of Lobbying Entity,*(if individual, last name, first name, MI)*	**10b. Individuals performing Services** *(including address if different from No. 10a.), (if individual, last name, first name, MI)*
11. Amount of Payment *(check all that apply):* $ _____ actual planned	**13. Type of Payment (<u>check all that apply</u>)** a. retainer b. one-time fee c. commission d. contingent fee e. deferred f. other specify _____
12. Form of Payment *(check all that apply):* a. cash b. In-kind; specify; nature _____ value _____	

14. Brief Description of services preformed or performed and date(s) of Service, including officer(s), employer(s), or member(s) contacted for payment indicated in Item 11.

15. Continuation Sheet(s) SF-LLL-A attached: **Yes** **No**

16. Information requested through this form is authorized by Title 31 U.S.C. Section 1362. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each failure	Signature: _____ Print Name: _____ Title: _____ Telephone No. _____ Date: _____
Federal Use Only	Authorized for Local Reproduction Standard Form - LLL

DISCLOSURE OF LOBBYING ACTIVITIES CONTINUATION SHEET

Reporting Entity: _____ Page _____ of _____

Authorized for Local Reproduction Standard Form - LLL

**CERTIFICATION REGARDING DEBARMENT, SUSPENSION,
AND OTHER RESPONSIBILITY MATTERS
PRIMARY COVERED TRANSACTION**

In accordance with the Code of Federal Regulations, part 49, CFR Section 29.510, the prospective primary participant _____(Name of Authorized Agent), _____ (Title), being duly sworn (or under penalty of perjury under the laws of the United States), certifies to the best of his / her knowledge and belief, that it's principals:

a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;

b. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offence in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction or records, making false statements, or receiving stolen property;

c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, state, or local) with commission of any of the offenses enumerated in paragraph (1) (b) of this certification?

d. Have not within a three-year period preceding this application / proposal had one or more public transactions (federal, state, or local) terminated for cause of default.

Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall list exceptions below.

Exceptions will not necessarily result in denial or award, but will be considered in determining contractor responsibility. For any exception note, indicate below to whom it applies, the initiating agency, and the dates of the action. Providing false information may result in criminal prosecution or administrative sanction. If an exception is noted, the contractor must contact the Corporation to discuss the exception prior to award of the contract.

_____

_____

_____

_____

_____

_____ _____
Signature of Authorized Agent Date

REQUIREMENT FOR CERTIFICATION FOR NONSEGREGATED FACILITIES:

A certification of Nonsegregated Facilities must be submitted at the time of the bid opening of a contract or subcontract exceeding Ten Thousand Dollars ($10,000), which is not exempt from the provisions of the Equal Opportunity Clause.

Certification – The information above is true and complete to the best of my knowledge and belief.

_____

Name and Title of Signer *(please type)*

_____ _____

Signature Date

Note: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001

DISADVANTAGED BUSINESS ENTERPRISE UTILIZATION PLAN

The undersigned hereby further assures that the information included herein is true and correct, and that the DBE firm(s) listed herein have agreed to perform a commercially useful function in the work items noted for each firm. The undersigned further understands that no changes to this statement may be made without prior approval from the Civil Right Staff of the Federal Aviation Administration.

1. Name of Project: Hard Flooring Renovation

2. Number of Project: RIAC Contract No. 35219

3. Total Dollar Amount of Bid: $_____

4. Disadvantaged Business Enterprise Participation: $_____

   a. Name of Bidder_____

      Address_____

      Phone(s)_____

   b. If the Bidder is a Disadvantaged Business Enterprises (Contractors, suppliers, vendors), the services they will provide and the approximate amount of money they will receive. (Include joint venture partner, if applicable.)

      Total of listed amounts $_____

(Use back of sheet for additional space, if needed)

Contractor: _____

By: _____ _____

Address:_____

Phone Number: _____ Zip Code:_____

LETTER OF INTENT TO PERFORM
AS A QUALIFIED DISADVANTAGED BUSINESS

To:_____ Project: Hard Flooring Renovation
(Name of Contractor)

Reference #: _____

The undersigned intends to perform work in connection with the above project as (check one):

_____ an individual _____ a corporation

_____ a partnership _____ a joint venture

The undersigned certifies the company is a Disadvantaged Business Enterprise as defined by the Rhode Island Department of Administration

The undersigned is prepared to perform the following described work in connection with the above project (specify in detail work to be performed).

_____

_____

Subcontractor: _____ Contract Amount_____
(Name)

Supplier: _____ Contract Amount_____
(Name)

The Bid Price agreed upon is: $_____ Dated _____

The undersigned agrees that the contract conditions above are true and accurate and will be performed by the above, who will enter into a formal agreement for the above work with you, conditioned upon your execution of a contract with

_____

_____

Name of company, signature and title of authorized official of the company and the date must be properly executed on this document or the bid will be deemed nonresponsive.

_____ _____
(Date) (Name of Disadvantaged Company)

*As determined by _____ _____
(Signature of Authorized Official)

_____
(Title of Authorized Officer)

DBE WAIVER FORM

(Required for All Bids Requesting Waiver of the use of DBE's Stated in Section 00750)

I, _____, _____, of _____
(Name) (Address) (Company)

certify that on _____, I contacted the following DBE Contractors to obtain a bid for work
(date)

items to be performed on Contract Number 35219

DBE Contractor Name and Address Work Items Sought

_____ _____

_____ _____

_____ _____

To the best of my knowledge and belief, said DBE Contractor was unavailable (exclusive of unavailability due to lack of agreement on price) for work on this project, or unable to prepare a bid for the following reason(s):

_____

_____

_____

Signature: _____

Date: _____

This portion to be completed by DBE Contractor:

_____ was offered an opportunity to bid or make an offer on the above
(Name of DBE)

identified work on _____by _____
(Date) (Source)

The above statement is a true and accurate account of why I did not submit an offer/bid on this project.

Signature: _____

Title: _____

CONTRACTOR QUALIFICATION FORM

Instructions:
Elaboration of the following required information is necessary to ascertain your firm's capabilities to effectively execute the Project. Pursuant to the Information to Bidders of Section 1, your completion of this Contractor Qualification Form is MANDATORY and will be utilized by RIAC as a basis for determining the qualified lowest bid, and subsequent award.

PLEASE ATTACH TO THIS FORM A COPY OF YOUR CERTIFICATE OF INSURANCE INDICATING CURRENT LIMITS.

Firm:_____ President: _____

Address:_____ Phone:_____

_____ Fax:_____

Federal ID#:_____ Contact: _____ Former Company Name:_____

Years performing work specialty: _____ Work Now Under Contract: $_____

Bank Reference: _____ Work in Place Last Year: $_____

Address: _____ Average Annual Sales Last 3 Years.: $_____

_____ Value Of Capital Equipment Owned:$_____

Bonding Company: _____ Bonding Agent: _____

Total Bonding Capacity: $ _____ Address: _____

Work Currently Bonded: $ _____ _____

Work Now Under Contract: $_____

Bonding Companies Best Rating: _____ Bonding Agent's Phone: _____

Is Firm In Compliance with all EEO Requirements? Y N Has Firm Ever Failed To Complete A Contract?: Y N

Has Firm Ever Been Involved In Bankruptcy Or Re-organization? Y N Are There Any Claims Against The Firms?: Y N

Are There Any Pending Judgments Against The Firm?: Y N

(IF THE ANSWER IS YES TO ANY OF THE ABOVE PLEASE DESCRIBE ON A SEPARATE SHEET)

Insurance: ("CLAIMS-MADE" GENERAL LIABILITY IS UNACCEPTABLE)

Submit Sample Certificate Of Insurance Showing Coverage And Limits For General Liability, Automobile Liability, Excess Umbrella Liability, And Worker's Compensation.

Experience Modification Rating: _____ Agency's Name: _____

Contact's Name: _____ Contact's Phone: _____

Safety:

Attach Log And Summary Of OSHA violations and any fines or settlements for the past 36 months

Attach Log And Summary Of Occupational Injuries And Illnesses As Required By the U.S. Dept. Of Labor For The Past 36 Months (OSHA Form No. 200)

OSHA Recordable Incident Rate (Current Year): _____ OSHA Lost Days Away Incident Rate (Current Year):_____

List Four (4) Or More Most Significant Projects Completed Within The Last Five (5) Years:
Refer to Section 00100, paragraph XI.

Project & Location	Engineer	Contract With	Contract Amount	Date Completed	Reference Contact & Phone Number

PLEASE ATTACH ADDITIONAL SHEETS IF NECESSARY

Please list **key personnel** available for project and describe responsibilities of each:

_____

_____

_____

_____

_____

Total Firm Staff Employed for this project: _____ Total Staff Employed Firm-wide: _____

Please list **key equipment** available for project and whether Firm owns or leases equipment:

_____

_____

_____

_____

List Three (3) Or More Most Significant Projects Currently Under Construction:

Refer to Section 00100, paragraph XI

Project & Location	Engineer	Contract With	Contract Amount	Date Completed	Reference Contact & Phone Number

PLEASE ATTACH ADDITIONAL SHEETS IF NECESSARY

THE APPARENT LOW BIDDER SHALL PROVIDE A COPY OF HIS/HER COMPANY'S FINANCIAL STATEMENT, CERTIFIED BY CERTIFIED PUBLIC ACCOUNTANT, WITHIN 5 DAYS OF REQUEST BY RIAC.

THE APPARENT LOW BIDDER SHALL PROVIDE A COPY OF HIS/HER COMPANY'S CONTRACTOR QUALIFICATION FORM TO RIAC, IF REQUESTED, WITHIN 5 DAYS OF BID OPENING.

This Form **MUST** Be Signed By An Officer Of The Firm Or An Individual So Authorized By An Officer Of The Firm.

Signature: _____

Name: _____

Title: _____

PROJECT SUBCONTRACTORS

The Bidder advises herein that the following Subcontractors are proposed for the item of work listed. Subcontractors are subject to review and approval per the requirements of the Contract Documents and the technical requirements specified. List only firms that will supply labor at the site. Failure to provide this information may result in the bid being considered non-responsive.

SUBCONTRACTOR	DBE (Y/N)	TRADE	CONTRACT WORK ITEM(S) TO BE PERFORMED	VALUE ($)
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				

Respectfully Submitted:

Company: _____

Signature: _____

Name: _____

Title: _____

Date: _____

CERTIFICATION OF COMPLIANCE WITH FEDERALLY REQUIRED CONTRACT REQUIREMENTS

The bidder/offeror certifies, by submission of this proposal or acceptance of this, that he/she has read the federally mandated contract requirements as listed in Section 00950, Federal Contract Conditions and Section 00960, Executive Orders and that compliance with said references will be incorporated into the terms of the Contract documents.

I hereby certify that I have read and will comply with all of the above requirements.

_____
Signature of Authorized Contractor and/or Consultant Representative

_____
Date

Certificate of Buy American Compliance for Manufactured Products

As a matter of bid responsiveness, the bidder or offeror must complete, sign, date, and submit this certification statement with its proposal. The bidder or offeror must indicate how it intends to comply with 49 USC § 50101, BABA and other related Made in America Laws, U.S. statutes, guidance, and FAA policies, by selecting one of the following certification statements. These statements are mutually exclusive. Bidder must select one or the other (i.e., not both) by inserting a checkmark (✓) or the letter "X".

☐ Bidder or offeror hereby certifies that it will comply with 49 USC § 50101, BABA and other related U.S. statutes, guidance, and policies of the FAA by:

a) Only installing iron, steel and manufactured products produced in the United States;

b) Only installing construction materials defined as: an article, material, or supply – other than an item of primarily iron or steel; a manufactured product; cement and cementitious materials; aggregates such as stone, sand, or gravel; or aggregate binding agents or additives that are or consist primarily of non-ferrous metals; plastic and polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables); glass (including optic glass); lumber or drywall that have been manufactured in the United States.

c) Installing manufactured products for which the Federal Aviation Administration (FAA) has issued a waiver as indicated by inclusion on the current FAA Nationwide Buy American Waivers Issued listing; or

d) Installing products listed as an Excepted Article, Material or Supply in Federal Acquisition Regulation Subpart 25.108.

By selecting this certification statement, the bidder or offeror agrees:

a) To provide to the Airport Sponsor or the FAA evidence that documents the source and origin of the iron, steel, and/or manufactured product.

b) To faithfully comply with providing U.S. domestic products.

c) To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

d) Certify that all construction materials used in the project are manufactured in the U.S.

☐ The bidder or offeror hereby certifies it cannot comply with the 100 percent Buy American Preferences of 49 USC § 50101(a) but may qualify for a Type 3 or Type 4 waiver under 49 USC § 50101(b). By selecting this certification statement, the apparent bidder or offeror with the apparent low bid agrees:

a) To the submit to the Airport Sponsor or FAA within 15 calendar days of being selected as the responsive bidder, a formal waiver request and required documentation that supports the type of waiver being requested.
b) That failure to submit the required documentation within the specified timeframe is cause for a non-responsive determination that may result in rejection of the proposal.
c) To faithfully comply with providing U.S. domestic products at or above the approved U.S. domestic content percentage as approved by the FAA.
d) To furnish U.S. domestic product for any waiver request that the FAA rejects.
e) To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

Required Documentation

Type 2 Waiver (Nonavailability) - The iron, steel, manufactured goods or construction materials or manufactured goods are not available in sufficient quantity or quality in the United States. The required documentation for the Nonavailability waiver is

a) Completed Content Percentage Worksheet and Final Assembly Questionnaire

b) Record of thorough market research, consideration where appropriate of qualifying alternate items, products, or materials including;

c) A description of the market research activities and methods used to identify domestically manufactured items capable of satisfying the requirement, including the timing of the research and conclusions reached on the availability of sources.

Type 3 Waiver – The cost of components and subcomponents produced in the United States is more than 60 percent of the cost of all components and subcomponents of the "facility/project." The required documentation for a Type 3 waiver is:

a) Completed Content Percentage Worksheet and Final Assembly Questionnaire including;
b) Listing of all manufactured products that are not comprised of 100 percent U.S. domestic content (excludes products listed on the FAA Nationwide Buy American Waivers Issued listing and products excluded by Federal Acquisition Regulation Subpart 25.108; products of unknown origin must be considered as non-domestic products in their entirety).
c) Cost of non-domestic components and subcomponents, excluding labor costs associated with final assembly and installation at project location.
d) Percentage of non-domestic component and subcomponent cost as compared to total "facility" component and subcomponent costs, excluding labor costs associated with final assembly and installation at project location.

Type 4 Waiver (Unreasonable Costs) - Applying this provision for iron, steel, manufactured goods or construction materials would increase the cost of the overall project by more than 25 percent. The required documentation for this waiver is:

a) A completed Content Percentage Worksheet and Final Assembly Questionnaire from
b) At minimum two comparable equal bids and/or offers;
c) Receipt or record that demonstrates that supplier scouting called for in Executive Order 14005, indicates that no domestic source exists for the project and/or component;
d) Completed waiver applications for each comparable bid and/or offer.

False Statements: Per 49 USC § 47126, this certification concerns a matter within the jurisdiction of the Federal Aviation Administration and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code.

Date	Signature
Company Name	Title

CERTIFICATION OF OFFERER/BIDDER REGARDING TAX DELINQUENCY AND FELONY CONVICTIONS

The applicant must complete the following two certification statements. The applicant must indicate its current status as it relates to tax delinquency and felony conviction by inserting a checkmark (✓) in the space following the applicable response. The applicant agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification in all lower tier subcontracts.

Certifications

a) The applicant represents that it is ( ) is not ( ) a corporation that has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability.

b) The applicant represents that it is ( ) is not ( ) is not a corporation that was convicted of a criminal violation under any Federal law within the preceding 24 months.

Note

If an applicant responds in the affirmative to either of the above representations, the applicant is ineligible to receive an award unless the sponsor has received notification from the agency suspension and debarment official (SDO) that the SDO has considered suspension or debarment and determined that further action is not required to protect the Government's interests. The applicant therefore must provide information to the owner about its tax liability or conviction to the Owner, who will then notify the FAA Airports District Office, which will then notify the agency's SDO to facilitate completion of the required considerations before award decisions are made.

Term Definitions

Felony conviction: Felony conviction means a conviction within the preceding twenty four (24) months of a felony criminal violation under any Federal law and includes conviction of an offense defined in a section of the U.S. code that specifically classifies the offense as a felony and conviction of an offense that is classified as a felony under 18 U.S.C. § 3559.

Tax Delinquency: A tax delinquency is any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability.

Date	Signature
Company Name	Title

EQUAL EMPLOYMENT OPPORTUNITY REPORT STATEMENT
As Required by 41 CFR 60-1.7(b)

The Bidder (proposer) shall complete the following statement by checking the appropriate boxes. Failure to complete these blanks may be grounds for rejection of bids.

1. The Bidder (proposer) has _____ has not _____ developed and has on file at each establishment Affirmative Action Programs pursuant to 41 CFR 60-1.4 and 41 CFR.

2. The Bidder (proposer) has _____ has not _____ participated in any previous contract or subcontract subject to the Equal Opportunity Clause prescribed by Executive Order 11246, as amended.

3. The Bidder (proposer) has _____ has not _____ filed with the Joint Reporting Committee the annual compliance report on Standard Form 100 (EEO-1 Report).

4. The Bidder (proposer) does _____ does not _____ employ fifty (50) or more employees.

_____
(Name of Bidder)

BY: _____
(Signature)

TITLE: _____

DATE: _____

BID BOND

STATE OF _____)
) §
COUNTY OF_____)

KNOW ALL MEN BY THESE PRESENT that we, _____

as Principal, and _____ as Surety, are

held and firmly bound unto the Rhode Island Airport Corporation**,** hereinafter called the Owner,

in the Penal sum of _____

Dollars ($_____) for the payment of which sum well and to be

made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and

severally firmly by these presents.

WHEREAS, the Principal, on the _____ day of _____, 20____ entered into

a certain Contract with the Owner, hereto attached, for Contract entitled

Hard Flooring Renovation
Rhode Island T.F. Green International Airport
Warwick, RI
RIAC Construction Contract No 35219

NOW THEREFORE, IF THE Principal shall not withdraw said Bid(s) within One Hundred Twenty (180) calendar days after date of opening of the same, and shall within five (5) days after the prescribed forms are presented to him for signature, enter into a written Contract with the Obligee in accordance with the Bid(s) as accepted, and give a Performance Bond and a Payment Bond with good and sufficient surety or sureties, as required by the Contract Documents, for the faithful performance and proper fulfillment of such Contract and for the proper payment of all persons furnishing labor or materials in connection therewith, or in the event or withdrawal of said Bid(s) within the period specified, or in the event of failure to enter into such Contract and give such Bonds within the time specified, if the Principal shall pay the Obligee the difference between the amount specified in said (Bid(s) and the amount of which the Obligee may procure the required work and/or supplies, provided the latter amount be in excess of the former then the above obligations shall be void and of no effect; otherwise, to remain in full force and virtue.

IN WITNESS WHEREOF, the Principal and Surety have hereunto caused this Bond to be duly executed and acknowledged by their appropriate officials as set forth below this _____ day of _____, 20_____.

PRINCIPAL (If Sole Proprietor or Partnership)

_____
(Firm Name)

ATTEST :

By: _____
(SEAL)

_____

_____
Title (Sole Proprietor or Partner)

PRINCIPAL (If Corporation)

_____
(Impress Corporate Seal)

(Corporation Name)

By: _____
(President)

Attest:_____
(Secretary)

SURETY:

_____

By: _____
Attorney-In-Fact
(Power of Attorney Must Be Attached)

SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) CERTIFICATION

Project Location: Rhode Island T.F. Green International Airport

Project Name: Hard Flooring Renovation

Contractor's Official Name: _____

Contact Person: _____ Telephone: _____

Street Address: _____

City: _____ State: _____ Zip: _____

Certification Statement:

I certify that I have read the Construction Safety and Phasing Plan (CSPP) included in the Contract Documents and if awarded this Contract, I will abide by its requirements as written.

I certify that I have read the Safety Plan Compliance Document (SCPD) included in the Contract Documents and if awarded this Contract, I will abide by its requirements as written;

I certify that I will provide the information required in the SCPD prior to the start of construction work, if awarded this Contract, and that I will provide any additional information requested by the Airport Owner.

_____	_____
Printed Name of Signer	Signature
_____	_____
Title	Date

END OF PROPOSAL FORMS

Part 1 – General Contract Provisions

Section 10 Definition of Terms

When the following terms are used in these specifications, in the contract, or in any documents or other instruments pertaining to construction where these specifications govern, the intent and meaning shall be defined as follows:

Paragraph Number	Term	Definition
10-01	**AASHTO**	The American Association of State Highway and Transportation Officials.
10-02	**Access Road**	The right-of-way, the roadway and all improvements constructed thereon connecting the airport to a public roadway.
10-03	**Advertisement**	A public announcement, as required by local law, inviting bids for work to be performed and materials to be furnished.
10-04	**Airport**	Airport means an area of land or water which is used or intended to be used for the landing and takeoff of aircraft; an appurtenant area used or intended to be used for airport buildings or other airport facilities or rights of way; airport buildings and facilities located in any of these areas, and a heliport.
10-05	**Airport Improvement Program (AIP)**	A grant-in-aid program, administered by the Federal Aviation Administration (FAA).
10-06	**Air Operations Area (AOA)**	The term air operations area (AOA) shall mean any area of the airport used or intended to be used for the landing, takeoff, or surface maneuvering of aircraft. An air operation area shall include such paved or unpaved areas that are used or intended to be used for the unobstructed movement of aircraft in addition to its associated runway, taxiway, or apron.
10-07	**Apron**	Area where aircraft are parked, unloaded or loaded, fueled and/or serviced.
10-08	**ASTM International (ASTM)**	Formerly known as the American Society for Testing and Materials (ASTM).

Paragraph Number	Term	Definition
10-09	**Award**	The Owner's notice to the successful bidder of the acceptance of the submitted bid.
10-10	**Bidder**	Any individual, partnership, firm, or corporation, acting directly or through a duly authorized representative, who submits a proposal for the work contemplated.
10-11	**Building Area**	An area on the airport to be used, considered, or intended to be used for airport buildings or other airport facilities or rights-of-way together with all airport buildings and facilities located thereon.
10-12	**Calendar Day**	Every day shown on the calendar.
10-13	**Certificate of Analysis (COA)**	The COA is the manufacturer's Certificate of Compliance (COC) including all applicable test results required by the specifications.
10-14	**Certificate of Compliance (COC)**	The manufacturer's certification stating that materials or assemblies furnished fully comply with the requirements of the contract. The certificate shall be signed by the manufacturer's authorized representative.
10-15	**Change Order**	A written order to the Contractor covering changes in the plans, specifications, or proposal quantities and establishing the basis of payment and contract time adjustment, if any, for work within the scope of the contract and necessary to complete the project.
10-16	**Contract**	A written agreement between the Owner and the Contractor that establishes the obligations of the parties including but not limited to performance of work, furnishing of labor, equipment and materials and the basis of payment. The awarded contract includes but may not be limited to: Advertisement, Contract form, Proposal, Performance bond, payment bond, General provisions, certifications and representations, Technical Specifications, Plans, Supplemental Provisions, standards incorporated by reference and issued addenda.
10-17	**Contract Item (Pay Item)**	A specific unit of work for which a price is provided in the contract.
10-18	**Contract Time**	The number of calendar days or working days, stated in the proposal, allowed for completion of the contract, including authorized time extensions. If a calendar date of

Paragraph Number	Term	Definition
		completion is stated in the proposal, in lieu of a number of calendar or working days, the contract shall be completed by that date.
10-19	**Contractor**	The individual, partnership, firm, or corporation primarily liable for the acceptable performance of the work contracted and for the payment of all legal debts pertaining to the work who acts directly or through lawful agents or employees to complete the contract work.
10-20	**Contractors Quality Control (QC) Facilities**	The Contractor's QC facilities in accordance with the Contractor Quality Control Program (CQCP).
10-21	**Contractor Quality Control Program (CQCP)**	Details the methods and procedures that will be taken to assure that all materials and completed construction required by the contract conform to contract plans, technical specifications and other requirements, whether manufactured by the Contractor, or procured from subcontractors or vendors.
10-22	**Control Strip**	A demonstration by the Contractor that the materials, equipment, and construction processes results in a product meeting the requirements of the specification.
10-23	**Construction Safety and Phasing Plan (CSPP)**	The overall plan for safety and phasing of a construction project developed by the airport operator, or developed by the airport operator's consultant and approved by the airport operator. It is included in the invitation for bids and becomes part of the project specifications.
10-24	**Drainage System**	The system of pipes, ditches, and structures by which surface or subsurface waters are collected and conducted from the airport area.
10-25	**Engineer**	The individual, partnership, firm, or corporation duly authorized by the Owner to be responsible for engineering, inspection, and/or observation of the contract work and acting directly or through an authorized representative.
10-26	**Equipment**	All machinery, together with the necessary supplies for upkeep and maintenance; and all tools and apparatus necessary for the proper construction and acceptable completion of the work.
10-27	**Extra Work**	An item of work not provided for in the awarded contract as previously modified by change order or supplemental agreement, but which is found by the Owner's Engineer or

Paragraph Number	Term	Definition
		Resident Project Representative (RPR) to be necessary to complete the work within the intended scope of the contract as previously modified.
10-28	**FAA**	The Federal Aviation Administration. When used to designate a person, FAA shall mean the Administrator or their duly authorized representative.
10-29	**Federal Specifications**	The federal specifications and standards, commercial item descriptions, and supplements, amendments, and indices prepared and issued by the General Services Administration.
10-30	**Force Account**	**a.** Contract Force Account - A method of payment that addresses extra work performed by the Contractor on a time and material basis. **b.** Owner Force Account - Work performed for the project by the Owner's employees.
10-31	**Intention of Terms**	Whenever, in these specifications or on the plans, the words “directed,” “required,” “permitted,” “ordered,” “designated,” “prescribed,” or words of like import are used, it shall be understood that the direction, requirement, permission, order, designation, or prescription of the Engineer and/or Resident Project Representative (RPR) is intended; and similarly, the words “approved,” “acceptable,” “satisfactory,” or words of like import, shall mean approved by, or acceptable to, or satisfactory to the Engineer and/or RPR, subject in each case to the final determination of the Owner. Any reference to a specific requirement of a numbered paragraph of the contract specifications or a cited standard shall be interpreted to include all general requirements of the entire section, specification item, or cited standard that may be pertinent to such specific reference.
10-32	**Lighting**	A system of fixtures providing or controlling the light sources used on or near the airport or within the airport buildings. The field lighting includes all luminous signals, markers, floodlights, and illuminating devices used on or near the airport or to aid in the operation of aircraft landing at, taking off from, or taxiing on the airport surface.
10-33	**Major and Minor Contract Items**	A major contract item shall be any item that is listed in the proposal, the total cost of which is equal to or greater than

Paragraph Number	Term	Definition
		20% of the total amount of the award contract. All other items shall be considered minor contract items.
10-34	**Materials**	Any substance specified for use in the construction of the contract work.
10-35	**Modification of Standards (MOS)**	Any deviation from standard specifications applicable to material and construction methods in accordance with FAA Order 5300.1.
10-36	**Notice to Proceed (NTP)**	A written notice to the Contractor to begin the actual contract work on a previously agreed to date. If applicable, the Notice to Proceed shall state the date on which the contract time begins.
10-37	**Owner**	The term “Owner” shall mean the party of the first part or the contracting agency signatory to the contract. Where the term “Owner” is capitalized in this document, it shall mean airport Sponsor only. The Owner for this project is the Rhode Island Airport Corporation.
10-38	**Passenger Facility Charge (PFC)**	Per 14 Code of Federal Regulations (CFR) Part 158 and 49 United States Code (USC) § 40117, a PFC is a charge imposed by a public agency on passengers enplaned at a commercial service airport it controls.
10-39	**Pavement Structure**	The combined surface course, base course(s), and subbase course(s), if any, considered as a single unit.
10-40	**Payment bond**	The approved form of security furnished by the Contractor and their own surety as a guaranty that the Contractor will pay in full all bills and accounts for materials and labor used in the construction of the work.
10-41	**Performance bond**	The approved form of security furnished by the Contractor and their own surety as a guaranty that the Contractor will complete the work in accordance with the terms of the contract.
10-42	**Plans**	The official drawings or exact reproductions which show the location, character, dimensions and details of the airport and the work to be done and which are to be considered as a part of the contract, supplementary to the specifications. Plans may also be referred to as 'contract drawings.’

Paragraph Number	Term	Definition
10-43	**Project**	The agreed scope of work for accomplishing specific airport development with respect to a particular airport.
10-44	**Proposal**	The written offer of the bidder (when submitted on the approved proposal form) to perform the contemplated work and furnish the necessary materials in accordance with the provisions of the plans and specifications.
10-45	**Proposal guaranty**	The security furnished with a proposal to guarantee that the bidder will enter into a contract if their own proposal is accepted by the Owner.
10-46	**Quality Assurance (QA)**	Owner's responsibility to assure that construction work completed complies with specifications for payment.
10-47	**Quality Control (QC)**	Contractor's responsibility to control material(s) and construction processes to complete construction in accordance with project specifications.
10-48	**Quality Assurance (QA) Inspector**	An authorized representative of the Engineer and/or Resident Project Representative (RPR) assigned to make all necessary inspections, observations, tests, and/or observation of tests of the work performed or being performed, or of the materials furnished or being furnished by the Contractor.
10-49	**Quality Assurance (QA) Laboratory**	The official quality assurance testing laboratories of the Owner or such other laboratories as may be designated by the Engineer or RPR. May also be referred to as Engineer's, Owner's, or QA Laboratory.
10-50	**Resident Project Representative (RPR)**	The individual, partnership, firm, or corporation duly authorized by the Owner to be responsible for all necessary inspections, observations, tests, and/or observations of tests of the contract work performed or being performed, or of the materials furnished or being furnished by the Contractor, and acting directly or through an authorized representative.
10-51	**Runway**	The area on the airport prepared for the landing and takeoff of aircraft.
10-52	**Runway Safety Area (RSA)**	A defined surface surrounding the runway prepared or suitable for reducing the risk of damage to aircraft. See the construction safety and phasing plan (CSPP) for limits of the RSA.

Paragraph Number	Term	Definition
10-53	**Safety Plan Compliance Document (SPCD)**	Details how the Contractor will comply with the CSPP.
10-54	**Specifications**	A part of the contract containing the written directions and requirements for completing the contract work. Standards for specifying materials or testing which are cited in the contract specifications by reference shall have the same force and effect as if included in the contract physically.
10-55	**Sponsor**	A Sponsor is defined in 49 USC § 47102(24) as a public agency that submits to the FAA for an AIP grant; or a private Owner of a public-use airport that submits to the FAA an application for an AIP grant for the airport.
10-56	**Structures**	Airport facilities such as bridges; culverts; catch basins, inlets, retaining walls, cribbing; storm and sanitary sewer lines; water lines; underdrains; electrical ducts, manholes, handholes, lighting fixtures and bases; transformers; navigational aids; buildings; vaults; and, other manmade features of the airport that may be encountered in the work and not otherwise classified herein.
10-57	**Subgrade**	The soil that forms the pavement foundation.
10-58	**Superintendent**	The Contractor's executive representative who is present on the work during progress, authorized to receive and fulfill instructions from the RPR, and who shall supervise and direct the construction.
10-59	**Supplemental Agreement**	A written agreement between the Contractor and the Owner that establishes the basis of payment and contract time adjustment, if any, for the work affected by the supplemental agreement. A supplemental agreement is required if: (1) in scope work would increase or decrease the total amount of the awarded contract by more than 25%: (2) in scope work would increase or decrease the total of any major contract item by more than 25%; (3) work that is not within the scope of the originally awarded contract; or (4) adding or deleting of a major contract item.
10-60	**Surety**	The corporation, partnership, or individual, other than the Contractor, executing payment or performance bonds that are furnished to the Owner by the Contractor.
10-61	**Taxilane**	A taxiway designed for low speed movement of aircraft between aircraft parking areas and terminal areas.

Paragraph Number	Term	Definition
10-62	**Taxiway**	The portion of the air operations area of an airport that has been designated by competent airport authority for movement of aircraft to and from the airport's runways, aircraft parking areas, and terminal areas.
10-63	**Taxiway/Taxilane Safety Area (TSA)**	A defined surface alongside the taxiway prepared or suitable for reducing the risk of damage to an aircraft. See the construction safety and phasing plan (CSPP) for limits of the TSA.
10-64	**Work**	The furnishing of all labor, materials, tools, equipment, and incidentals necessary or convenient to the Contractor's performance of all duties and obligations imposed by the contract, plans, and specifications.
10-65	**Working day**	A working day shall be any day other than a legal holiday, Saturday, or Sunday on which the normal working forces of the Contractor may proceed with regular work for at least six (6) hours toward completion of the contract. When work is suspended for causes beyond the Contractor's control, it will not be counted as a working day. Saturdays, Sundays and holidays on which the Contractor's forces engage in regular work will be considered as working days.
10-66	**Owner Defined terms**	None

END OF SECTION 10

Section 20 Proposal Requirements and Conditions

20-01 Advertisement (Notice to Bidders). See Divison 0, Section 00010 for the Bid Advertisement

20-02 Qualification of bidders. Each bidder shall submit evidence of competency and evidence of financial responsibility to perform the work to the Owner at the time of bid opening.

Evidence of competency, unless otherwise specified, shall consist of statements covering the bidder's past experience on similar work, and a list of equipment and a list of key personnel that would be available for the work.

Each bidder shall furnish the Owner satisfactory evidence of their financial responsibility. Evidence of financial responsibility, unless otherwise specified, shall consist of a confidential statement or report of the bidder's financial resources and liabilities as of the last calendar year or the bidder's last fiscal year. Such statements or reports shall be certified by a public accountant. At the time of submitting such financial statements or reports, the bidder shall further certify whether their financial responsibility is approximately the same as stated or reported by the public accountant. If the bidder's financial responsibility has changed, the bidder shall qualify the public accountant's statement or report to reflect the bidder's true financial condition at the time such qualified statement or report is submitted to the Owner.

Unless otherwise specified, a bidder may submit evidence that they are prequalified with the State Highway Division and are on the current "bidder's list" of the state in which the proposed work is located. Evidence of State Highway Division prequalification may be submitted as evidence of financial responsibility in lieu of the certified statements or reports specified above.

Each bidder shall submit "evidence of competency" and "evidence of financial responsibility" to the Owner at the time of bid opening.

20-03 Contents of proposal forms. The Owner's proposal forms state the location and description of the proposed construction; the place, date, and time of opening of the proposals; and the estimated quantities of the various items of work to be performed and materials to be furnished for which unit bid prices are asked. The proposal form states the time in which the work must be completed, and the amount of the proposal guaranty that must accompany the proposal. The Owner will accept only those Proposals properly executed on physical forms or electronic forms provided by the Owner. Bidder actions that may cause the Owner to deem a proposal irregular are given in paragraph 20-09 *Irregular proposals*.

A prebid conference is required on this project to discuss as a minimum, the following items: material requirements; submittals; Quality Control/Quality Assurance requirements; the construction safety and phasing plan including airport access and staging areas; and unique airfield paving construction requirements. See Division 0, Section 00010 for the time, date and location for the prebid conference.

20-04 Issuance of proposal forms. The Owner reserves the right to refuse to issue a proposal form to a prospective bidder if the bidder is in default for any of the following reasons:

a. Failure to comply with any prequalification regulations of the Owner, if such regulations are cited, or otherwise included, in the proposal as a requirement for bidding.

b. Failure to pay, or satisfactorily settle, all bills due for labor and materials on former contracts in force with the Owner at the time the Owner issues the proposal to a prospective bidder.

c. Documented record of Contractor default under previous contracts with the Owner.

d. Documented record of unsatisfactory work on previous contracts with the Owner.

20-05 Interpretation of estimated proposal quantities. An estimate of quantities of work to be done and materials to be furnished under these specifications is given in the proposal. It is the result of careful calculations and is believed to be correct. It is given only as a basis for comparison of proposals and the award of the contract. The Owner does not expressly, or by implication, agree that the actual quantities involved will correspond exactly therewith; nor shall the bidder plead misunderstanding or deception because of such estimates of quantities, or of the character, location, or other conditions pertaining to the work. Payment to the Contractor will be made only for the actual quantities of work performed or materials furnished in accordance with the plans and specifications. It is understood that the quantities may be increased or decreased as provided in the Section 40, paragraph 40-02, Alteration of Work and Quantities, without in any way invalidating the unit bid prices.

20-06 Examination of plans, specifications, and site. The bidder is expected to carefully examine the site of the proposed work, the proposal, plans, specifications, and contract forms. Bidders shall satisfy themselves to the character, quality, and quantities of work to be performed, materials to be furnished, and to the requirements of the proposed contract. The submission of a proposal shall be prima facie evidence that the bidder has made such examination and is satisfied to the conditions to be encountered in performing the work and the requirements of the proposed contract, plans, and specifications.

20-07 Preparation of proposal. The bidder shall submit their proposal on the forms furnished by the Owner. All blank spaces in the proposal forms, unless explicitly stated otherwise, must be correctly filled in where indicated for each and every item for which a quantity is given. The bidder shall state the price (written in ink or typed) both in words and numerals which they propose for each pay item furnished in the proposal. In case of conflict between words and numerals, the words, unless obviously incorrect, shall govern.

The bidder shall correctly sign the proposal in ink. If the proposal is made by an individual, their name and post office address must be shown. If made by a partnership, the name and post office address of each member of the partnership must be shown. If made by a corporation, the person signing the proposal shall give the name of the state where the corporation was chartered and the name, titles, and business address of the president, secretary, and the treasurer. Anyone signing a proposal as an agent shall file evidence of their authority to do so and that the signature is binding upon the firm or corporation.

20-08 Responsive and responsible bidder. A responsive bid conforms to all significant terms and conditions contained in the Owner's invitation for bid. It is the Owner's responsibility to decide if the exceptions taken by a bidder to the solicitation are material or not and the extent of deviation it is willing to accept.

A responsible bidder has the ability to perform successfully under the terms and conditions of a proposed procurement, as defined in 2 CFR § 200.318(h). This includes such matters as Contractor integrity, compliance with public policy, record of past performance, and financial and technical resources.

20-09 Irregular proposals. Proposals shall be considered irregular for the following reasons:

a. If the proposal is on a form other than that furnished by the Owner, or if the Owner's form is altered, or if any part of the proposal form is detached.

b. If there are unauthorized additions, conditional or alternate pay items, or irregularities of any kind that make the proposal incomplete, indefinite, or otherwise ambiguous.

c. If the proposal does not contain a unit price for each pay item listed in the proposal, except in the case of authorized alternate pay items, for which the bidder is not required to furnish a unit price.

d. If the proposal contains unit prices that are obviously unbalanced.

e. If the proposal is not accompanied by the proposal guaranty specified by the Owner.

f. If the applicable Disadvantaged Business Enterprise information is incomplete.

The Owner reserves the right to reject any irregular proposal and the right to waive technicalities if such waiver is in the best interest of the Owner and conforms to local laws and ordinances pertaining to the letting of construction contracts.

20-10 Bid guarantee. Each separate proposal shall be accompanied by a bid bond, certified check, or other specified acceptable collateral, in the amount specified in the proposal form. Such bond, check, or collateral, shall be made payable to the Owner.

20-11 Delivery of proposal. Each proposal submitted shall be placed in a sealed envelope plainly marked with the project number, location of airport, and name and business address of the bidder on the outside. When sent by mail, preferably registered, the sealed proposal, marked as indicated above, should be enclosed in an additional envelope. No proposal will be considered unless received at the place specified in the advertisement or as modified by Addendum before the time specified for opening all bids. Proposals received after the bid opening time shall be returned to the bidder unopened.

20-12 Withdrawal or revision of proposals. A bidder may withdraw or revise (by withdrawal of one proposal and submission of another) a proposal provided that the bidder's request for withdrawal is received by the RIAC Office of Procurement in writing before the time specified for opening bids. Revised proposals must be received at the place specified in the advertisement before the time specified for opening all bids.

20-13 Public opening of proposals. Proposals shall be opened, and read, publicly at the time and place specified in the advertisement. Bidders, their authorized agents, and other interested persons are invited to attend. Proposals that have been withdrawn (by written or telegraphic request) or received after the time specified for opening bids shall be returned to the bidder unopened.

20-14 Disqualification of bidders. A bidder shall be considered disqualified for any of the following reasons:

a. Submitting more than one proposal from the same partnership, firm, or corporation under the same or different name.

b. Evidence of collusion among bidders. Bidders participating in such collusion shall be disqualified as bidders for any future work of the Owner until any such participating bidder has been reinstated by the Owner as a qualified bidder.

c. If the bidder is considered to be in "default" for any reason specified in paragraph 20-04, *Issuance of Proposal Forms,* of this section.

20-15 Discrepancies and Omissions. A Bidder who discovers discrepancies or omissions with the project bid documents shall immediately notify the Owner's Engineer of the matter. A bidder that has doubt as to the true meaning of a project requirement may submit to the Owner's Engineer a written request for interpretation no later than the dates outlined in Section 00010.

Any interpretation of the project bid documents by the Owner's Engineer will be by written addendum issued by the Owner. The Owner will not consider any instructions, clarifications or interpretations of the bidding documents in any manner other than written addendum.

END OF SECTION 20

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Section 30 Award and Execution of Contract

30-01 Consideration of proposals. After the proposals are publicly opened and read, they will be compared on the basis of the summation of the products obtained by multiplying the estimated quantities shown in the proposal by the unit bid prices. If a bidder's proposal contains a discrepancy between unit bid prices written in words and unit bid prices written in numbers, the unit bid price written in words shall govern.

Until the award of a contract is made, the Owner reserves the right to reject a bidder's proposal for any of the following reasons:

a. If the proposal is irregular as specified in Section 20, paragraph 20-09, *Irregular Proposals*.

b. If the bidder is disqualified for any of the reasons specified Section 20, paragraph 20-14, *Disqualification of Bidders*.

In addition, until the award of a contract is made, the Owner reserves the right to reject any or all proposals, waive technicalities, if such waiver is in the best interest of the Owner and is in conformance with applicable state and local laws or regulations pertaining to the letting of construction contracts; advertise for new proposals; or proceed with the work otherwise. All such actions shall promote the Owner's best interests.

30-02 Award of contract. The award of a contract, if it is to be awarded, shall be made within 120 calendar days of the date specified for publicly opening proposals, unless otherwise specified herein.

If the Owner elects to proceed with an award of contract, the Owner will make award to the responsible bidder whose bid, conforming with all the material terms and conditions of the bid documents, is the lowest in price.

30-03 Cancellation of award. The Owner reserves the right to cancel the award without liability to the bidder, except return of proposal guaranty, at any time before a contract has been fully executed by all parties and is approved by the Owner in accordance with paragraph 30-07 *Approval of Contract*.

30-04 Return of proposal guaranty. All proposal guaranties, except those of the two lowest bidders, will be returned immediately after the Owner has made a comparison of bids as specified in the paragraph 30-01, *Consideration of Proposals.* Proposal guaranties of the two lowest bidders will be retained by the Owner until such time as an award is made, at which time, the unsuccessful bidder's proposal guaranty will be returned. The successful bidder's proposal guaranty will be returned as soon as the Owner receives the contract bonds as specified in paragraph 30-05, *Requirements of Contract Bonds.*

30-05 Requirements of contract bonds. At the time of the execution of the contract, the successful bidder shall furnish the Owner a surety bond or bonds that have been fully executed by the bidder and the surety guaranteeing the performance of the work and the payment of all legal debts that may be incurred by reason of the Contractor's performance of the work. The surety and the form of the bond or bonds shall be acceptable to the Owner. Unless otherwise specified in this subsection, the surety bond or bonds shall be in a sum equal to the full amount of the contract.

30-06 Execution of contract. The successful bidder shall sign (execute) the necessary agreements for entering into the contract and return the signed contract to the Owner, along with the fully executed surety bond or bonds specified in paragraph 30-05, *Requirements of Contract Bonds,* of this section, within 15 calendar days from the date mailed or otherwise delivered to the successful bidder.

30-07 Approval of contract. Upon receipt of the contract and contract bond or bonds that have been executed by the successful bidder, the Owner shall complete the execution of the contract in accordance with local laws or ordinances, and return the fully executed contract to the Contractor. Delivery of the fully executed contract to the Contractor shall constitute the Owner's approval to be bound by the successful bidder's proposal and the terms of the contract.

30-08 Failure to execute contract. Failure of the successful bidder to execute the contract and furnish an acceptable surety bond or bonds within the period specified in paragraph 30-06, *Execution of Contract,* of this section shall be just cause for cancellation of the award and forfeiture of the proposal guaranty, not as a penalty, but as liquidated damages to the Owner.

END OF SECTION 30

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Section 40 Scope of Work

40-01 Intent of contract. The intent of the contract is to provide for construction and completion, in every detail, of the work described. It is further intended that the Contractor shall furnish all labor, materials, equipment, tools, transportation, and supplies required to complete the work in accordance with the plans, specifications, and terms of the contract.

40-02 Alteration of work and quantities. The Owner reserves the right to make such changes in quantities and work as may be necessary or desirable to complete, in a satisfactory manner, the original intended work. Unless otherwise specified in the Contract, the Owner's Engineer or RPR shall be and is hereby authorized to make, in writing, such in-scope alterations in the work and variation of quantities as may be necessary to complete the work, provided such action does not represent a significant change in the character of the work.

For purpose of this section, a significant change in character of work means: any change that is outside the current contract scope of work; any change (increase or decrease) in the total contract cost by more than 25%; or any change in the total cost of a major contract item by more than 25%.

Work alterations and quantity variances that do not meet the definition of significant change in character of work shall not invalidate the contract nor release the surety. Contractor agrees to accept payment for such work alterations and quantity variances in accordance with Section 90, paragraph 90-03, *Compensation for Altered Quantities*.

Should the value of altered work or quantity variance meet the criteria for significant change in character of work, such altered work and quantity variance shall be covered by a supplemental agreement. Supplemental agreements shall also require consent of the Contractor's surety and separate performance and payment bonds. If the Owner and the Contractor are unable to agree on a unit adjustment for any contract item that requires a supplemental agreement, the Owner reserves the right to terminate the contract with respect to the item and make other arrangements for its completion.

40-03 Omitted items. The Owner, the Owner's Engineer or the RPR may provide written notice to the Contractor to omit from the work any contract item that does not meet the definition of major contract item. Major contract items may be omitted by a supplemental agreement. Such omission of contract items shall not invalidate any other contract provision or requirement.

Should a contract item be omitted or otherwise ordered to be non-performed, the Contractor shall be paid for all work performed toward completion of such item prior to the date of the order to omit such item. Payment for work performed shall be in accordance with Section 90, paragraph 90-04, *Payment for Omitted Items*.

40-04 Extra work. Should acceptable completion of the contract require the Contractor to perform an item of work not provided for in the awarded contract as previously modified by change order or supplemental agreement, Owner may issue a Change Order to cover the necessary extra work. Change orders for extra work shall contain agreed unit prices for performing the change order work in accordance with the requirements specified in the order, and shall contain any adjustment to the contract time that, in the RPR's opinion, is necessary for completion of the extra work.

When determined by the RPR to be in the Owner's best interest, the RPR may order the Contractor to proceed with extra work as provided in Section 90, paragraph 90-05, *Payment for Extra Work*. Extra work

that is necessary for acceptable completion of the project, but is not within the general scope of the work covered by the original contract shall be covered by a supplemental agreement as defined in Section 10, paragraph 10-59, *Supplemental Agreement*.

If extra work is essential to maintaining the project critical path, RPR may order the Contractor to commence the extra work under a Time and Material contract method. Once sufficient detail is available to establish the level of effort necessary for the extra work, the Owner shall initiate a change order or supplemental agreement to cover the extra work.

Any claim for payment of extra work that is not covered by written agreement (change order or supplemental agreement) shall be rejected by the Owner.

40-05 Maintenance of traffic. It is the explicit intention of the contract that the safety of aircraft, as well as the Contractor's equipment and personnel, is the most important consideration. The Contractor shall maintain traffic in the manner detailed in the Construction Safety and Phasing Plan (CSPP).

a. It is understood and agreed that the Contractor shall provide for the free and unobstructed movement of aircraft in the air operations areas (AOAs) of the airport with respect to their own operations and the operations of all subcontractors as specified in Section 80, paragraph 80-04, *Limitation of Operations*. It is further understood and agreed that the Contractor shall provide for the uninterrupted operation of visual and electronic signals (including power supplies thereto) used in the guidance of aircraft while operating to, from, and upon the airport as specified in Section 70, paragraph 70-15, *Contractor's Responsibility for Utility Service and Facilities of Others*.

b. With respect to their own operations and the operations of all subcontractors, the Contractor shall provide marking, lighting, and other acceptable means of identifying personnel, equipment, vehicles, storage areas, and any work area or condition that may be hazardous to the operation of aircraft, fire-rescue equipment, or maintenance vehicles at the airport in accordance with the construction safety and phasing plan (CSPP) and the safety plan compliance document (SPCD).

c. When the contract requires the maintenance of an existing road, street, or highway during the Contractor's performance of work that is otherwise provided for in the contract, plans, and specifications, the Contractor shall keep the road, street, or highway open to all traffic and shall provide maintenance as may be required to accommodate traffic. The Contractor, at their expense, shall be responsible for the repair to equal or better than preconstruction conditions of any damage caused by the Contractor's equipment and personnel. The Contractor shall furnish, erect, and maintain barricades, warning signs, flag person, and other traffic control devices in reasonable conformity with the Manual on Uniform Traffic Control Devices (MUTCD) (http://mutcd.fhwa.dot.gov/), unless otherwise specified. The Contractor shall also construct and maintain in a safe condition any temporary connections necessary for ingress to and egress from abutting property or intersecting roads, streets or highways. Unless otherwise specified herein, the Contractor will not be required to furnish snow removal for such existing road, street, or highway.

40-06 Removal of existing structures. All existing structures encountered within the established lines, grades, or grading sections shall be removed by the Contractor, unless such existing structures are otherwise specified to be relocated, adjusted up or down, salvaged, abandoned in place, reused in the work or to remain in place. The cost of removing such existing structures shall not be measured or paid for directly, but shall be included in the various contract items.

Should the Contractor encounter an existing structure (above or below ground) in the work for which the disposition is not indicated on the plans, the Resident Project Representative (RPR) shall be notified prior to disturbing such structure. The disposition of existing structures so encountered shall be immediately determined by the RPR in accordance with the provisions of the contract.

Except as provided in Section 40, paragraph 40-07, *Rights in and Use of Materials Found in the Work*, it is intended that all existing materials or structures that may be encountered (within the lines, grades, or grading sections established for completion of the work) shall be used in the work as otherwise provided for in the contract and shall remain the property of the Owner when so used in the work.

40-07 Rights in and use of materials found in the work. Should the Contractor encounter any material such as (but not restricted to) sand, stone, gravel, slag, or concrete slabs within the established lines, grades, or grading sections, the use of which is intended by the terms of the contract to be embankment, the Contractor may at their own option either:

a. Use such material in another contract item, providing such use is approved by the RPR and is in conformance with the contract specifications applicable to such use; or,

b. Remove such material from the site, upon written approval of the RPR; or

c. Use such material for the Contractor's own temporary construction on site; or,

d. Use such material as intended by the terms of the contract.

Should the Contractor wish to exercise option a., b., or c., the Contractor shall request the RPR's approval in advance of such use.

Should the RPR approve the Contractor's request to exercise option a., b., or c., the Contractor shall be paid for the excavation or removal of such material at the applicable contract price. The Contractor shall replace, at their expense, such removed or excavated material with an agreed equal volume of material that is acceptable for use in constructing embankment, backfills, or otherwise to the extent that such replacement material is needed to complete the contract work. The Contractor shall not be charged for use of such material used in the work or removed from the site.

Should the RPR approve the Contractor's exercise of option a., the Contractor shall be paid, at the applicable contract price, for furnishing and installing such material in accordance with requirements of the contract item in which the material is used.

It is understood and agreed that the Contractor shall make no claim for delays by reason of their own exercise of option a., b., or c.

The Contractor shall not excavate, remove, or otherwise disturb any material, structure, or part of a structure which is located outside the lines, grades, or grading sections established for the work, except where such excavation or removal is provided for in the contract, plans, or specifications.

40-08 Final cleanup. Upon completion of the work and before acceptance and final payment will be made, the Contractor shall remove from the site all machinery, equipment, surplus and discarded materials, rubbish, temporary structures, and stumps or portions of trees. The Contractor shall cut all brush and woods within the limits indicated and shall leave the site in a neat and presentable condition. Material cleared from the site and deposited on adjacent property will not be considered as having been disposed of satisfactorily, unless the Contractor has obtained the written permission of the property Owner.

END OF SECTION 40

Section 50 Control of Work

50-01 Authority of the Resident Project Representative (RPR). The RPR has final authority regarding the interpretation of project specification requirements. The RPR shall determine acceptability of the quality of materials furnished, method of performance of work performed, and the manner and rate of performance of the work. The RPR does not have the authority to accept work that does not conform to specification requirements.

50-02 Conformity with plans and specifications. All work and all materials furnished shall be in reasonably close conformity with the lines, grades, grading sections, cross-sections, dimensions, material requirements, and testing requirements that are specified (including specified tolerances) in the contract, plans, or specifications.

If the RPR finds the materials furnished, work performed, or the finished product not within reasonably close conformity with the plans and specifications, but that the portion of the work affected will, in their opinion, result in a finished product having a level of safety, economy, durability, and workmanship acceptable to the Owner, the RPR will advise the Owner of their determination that the affected work be accepted and remain in place. The RPR will document the determination and recommend to the Owner a basis of acceptance that will provide for an adjustment in the contract price for the affected portion of the work. Changes in the contract price must be covered by contract change order or supplemental agreement as applicable.

If the RPR finds the materials furnished, work performed, or the finished product are not in reasonably close conformity with the plans and specifications and have resulted in an unacceptable finished product, the affected work or materials shall be removed and replaced or otherwise corrected by and at the expense of the Contractor in accordance with the RPR's written orders.

The term "reasonably close conformity" shall not be construed as waiving the Contractor's responsibility to complete the work in accordance with the contract, plans, and specifications. The term shall not be construed as waiving the RPR's responsibility to insist on strict compliance with the requirements of the contract, plans, and specifications during the Contractor's execution of the work, when, in the RPR's opinion, such compliance is essential to provide an acceptable finished portion of the work.

The term "reasonably close conformity" is also intended to provide the RPR with the authority, after consultation with the Sponsor and FAA, to use sound engineering judgment in their determinations to accept work that is not in strict conformity, but will provide a finished product equal to or better than that required by the requirements of the contract, plans and specifications.

The RPR will not be responsible for the Contractor's means, methods, techniques, sequences, or procedures of construction or the safety precautions incident thereto.

50-03 Coordination of contract, plans, and specifications. The contract, plans, specifications, and all referenced standards cited are essential parts of the contract requirements. If electronic files are provided and used on the project and there is a conflict between the electronic files and hard copy plans, the hard copy plans shall govern. A requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for a complete work. In case of discrepancy, calculated dimensions will govern over scaled dimensions; contract technical specifications shall govern over contract general provisions, plans, cited standards for materials or testing, and cited advisory circulars (ACs); contract general provisions shall govern over plans, cited standards for materials

or testing, and cited ACs; plans shall govern over cited standards for materials or testing and cited ACs. If any paragraphs contained in the Special Provisions conflict with General Provisions or Technical Specifications, the Special Provisions shall govern.

From time to time, discrepancies within cited testing standards occur due to the timing of the change, edits, and/or replacement of the standards. If the Contractor discovers any apparent discrepancy within standard test methods, the Contractor shall immediately ask the RPR for an interpretation and decision, and such decision shall be final.

The Contractor shall not take advantage of any apparent error or omission on the plans or specifications. In the event the Contractor discovers any apparent error or discrepancy, Contractor shall immediately notify the Owner or the designated representative in writing requesting their written interpretation and decision.

50-04 List of Special Provisions. None

50-05 Cooperation of Contractor. The Contractor shall be supplied with an electronic PDF of the plans and specifications. The Contractor shall have available on the construction site at all times one hard copy each of the plans, specifications, and approved submittals. Additional hard copies of plans and specifications may be obtained by the Contractor for the cost of reproduction.

The Contractor shall give constant attention to the work to facilitate the progress thereof, and shall cooperate with the RPR and their inspectors and with other Contractors in every way possible. The Contractor shall have a competent superintendent on the work at all times who is fully authorized as their agent on the work. The superintendent shall be capable of reading and thoroughly understanding the plans and specifications and shall receive and fulfill instructions from the RPR or their authorized representative.

50-06 Cooperation between Contractors. The Owner reserves the right to contract for and perform other or additional work on or near the work covered by this contract.

When separate contracts are let within the limits of any one project, each Contractor shall conduct the work not to interfere with or hinder the progress of completion of the work being performed by other Contractors. Contractors working on the same project shall cooperate with each other as directed.

Each Contractor involved shall assume all liability, financial or otherwise, in connection with their own contract and shall protect and hold harmless the Owner from any and all damages or claims that may arise because of inconvenience, delays, or loss experienced because of the presence and operations of other Contractors working within the limits of the same project.

The Contractor shall arrange their work and shall place and dispose of the materials being used to not interfere with the operations of the other Contractors within the limits of the same project. The Contractor shall join their work with that of the others in an acceptable manner and shall perform it in proper sequence to that of the others.

50-08 Authority and duties of Quality Assurance (QA) inspectors. QA inspectors shall be authorized to inspect all work done and all material furnished. Such QA inspection may extend to all or any part of the work and to the preparation, fabrication, or manufacture of the materials to be used. QA inspectors are not authorized to revoke, alter, or waive any provision of the contract. QA inspectors are not authorized to issue instructions contrary to the plans and specifications or to act as foreman for the Contractor.

QA Inspectors are authorized to notify the Contractor or their representatives of any failure of the work or materials to conform to the requirements of the contract, plans, or specifications and to reject such nonconforming materials in question until such issues can be referred to the RPR for a decision.

50-09 Inspection of the work. All materials and each part or detail of the work shall be subject to inspection. The RPR shall be allowed access to all parts of the work and shall be furnished with such information and assistance by the Contractor as is required to make a complete and detailed inspection.

If the RPR requests it, the Contractor, at any time before acceptance of the work, shall remove or uncover such portions of the finished work as may be directed. After examination, the Contractor shall restore said portions of the work to the standard required by the specifications. Should the work thus exposed or examined prove acceptable, the uncovering, or removing, and the replacing of the covering or making good of the parts removed will be paid for as extra work; but should the work so exposed or examined prove unacceptable, the uncovering, or removing, and the replacing of the covering or making good of the parts removed will be at the Contractor's expense.

Provide advance written notice to the RPR of work the Contractor plans to perform each week and each day. Any work done or materials used without written notice and allowing opportunity for inspection by the RPR may be ordered removed and replaced at the Contractor's expense.

Should the contract work include relocation, adjustment, or any other modification to existing facilities, not the property of the (contract) Owner, authorized representatives of the Owners of such facilities shall have the right to inspect such work. Such inspection shall in no sense make any facility owner a party to the contract, and shall in no way interfere with the rights of the parties to this contract.

50-10 Removal of unacceptable and unauthorized work. All work that does not conform to the requirements of the contract, plans, and specifications will be considered unacceptable, unless otherwise determined acceptable by the RPR as provided in paragraph 50-02, *Conformity with Plans and Specifications*.

Unacceptable work, whether the result of poor workmanship, use of defective materials, damage through carelessness, or any other cause found to exist prior to the final acceptance of the work, shall be removed immediately and replaced in an acceptable manner in accordance with the provisions of Section 70, paragraph 70-14, *Contractor's Responsibility for Work*.

No removal work made under provision of this paragraph shall be done without lines and grades having been established by the RPR. Work done contrary to the instructions of the RPR, work done beyond the lines shown on the plans or as established by the RPR, except as herein specified, or any extra work done without authority, will be considered as unauthorized and will not be paid for under the provisions of the contract. Work so done may be ordered removed or replaced at the Contractor's expense.

Upon failure on the part of the Contractor to comply with any order of the RPR made under the provisions of this subsection, the RPR will have authority to cause unacceptable work to be remedied or removed and replaced; and unauthorized work to be removed and recover the resulting costs as a liquidated damage against the Contractor.

50-11 Load restrictions. The Contractor shall comply with all legal load restrictions in the hauling of materials on public roads beyond the limits of the work. A special permit will not relieve the Contractor of liability for damage that may result from the moving of material or equipment.

The operation of equipment of such weight or so loaded as to cause damage to structures or to any other type of construction will not be permitted. Hauling of materials over the base course or surface course under construction shall be limited as directed. No loads will be permitted on a concrete pavement, base, or structure before the expiration of the curing period. The Contractor, at their own expense, shall be responsible for the repair to equal or better than preconstruction conditions of any damage caused by the Contractor's equipment and personnel.

50-12 Maintenance during construction. The Contractor shall maintain the work during construction and until the work is accepted. Maintenance shall constitute continuous and effective work prosecuted

day by day, with adequate equipment and forces so that the work is maintained in satisfactory condition at all times.

In the case of a contract for the placing of a course upon a course or subgrade previously constructed, the Contractor shall maintain the previous course or subgrade during all construction operations.

All costs of maintenance work during construction and before the project is accepted shall be included in the unit prices bid on the various contract items, and the Contractor will not be paid an additional amount for such work.

50-13 Failure to maintain the work. Should the Contractor at any time fail to maintain the work as provided in paragraph 50-12, *Maintenance during Construction*, the RPR shall immediately notify the Contractor of such noncompliance. Such notification shall specify a reasonable time within which the Contractor shall be required to remedy such unsatisfactory maintenance condition. The time specified will give due consideration to the exigency that exists.

Should the Contractor fail to respond to the RPR's notification, the Owner may suspend any work necessary for the Owner to correct such unsatisfactory maintenance condition, depending on the exigency that exists. Any maintenance cost incurred by the Owner, shall be recovered as a liquidated damage against the Contractor.

50-14 Partial acceptance. If at any time during the execution of the project the Contractor substantially completes a usable unit or portion of the work, the occupancy of which will benefit the Owner, the Contractor may request the RPR to make final inspection of that unit. If the RPR finds upon inspection that the unit has been satisfactorily completed in compliance with the contract, the RPR may accept it as being complete, and the Contractor may be relieved of further responsibility for that unit. Such partial acceptance and beneficial occupancy by the Owner shall not void or alter any provision of the contract.

50-15 Final acceptance. Upon due notice from the Contractor of presumptive completion of the entire project, the RPR and Owner will make an inspection. If all construction provided for and contemplated by the contract is found to be complete in accordance with the contract, plans, and specifications, such inspection shall constitute the final inspection. The RPR shall notify the Contractor in writing of final acceptance as of the date of the final inspection.

If, however, the inspection discloses any work, in whole or in part, as being unsatisfactory, the RPR will notify the Contractor and the Contractor shall correct the unsatisfactory work. Upon correction of the work, another inspection will be made which shall constitute the final inspection, provided the work has been satisfactorily completed. In such event, the RPR will make the final acceptance and notify the Contractor in writing of this acceptance as of the date of final inspection.

50-16 Claims for adjustment and disputes. If for any reason the Contractor deems that additional compensation is due for work or materials not clearly provided for in the contract, plans, or specifications or previously authorized as extra work, the Contractor shall notify the RPR in writing of their intention to claim such additional compensation before the Contractor begins the work on which the Contractor bases the claim. If such notification is not given or the RPR is not afforded proper opportunity by the Contractor for keeping strict account of actual cost as required, then the Contractor hereby agrees to waive any claim for such additional compensation. Such notice by the Contractor and the fact that the RPR has kept account of the cost of the work shall not in any way be construed as proving or substantiating the validity of the claim. When the work on which the claim for additional compensation is based has been completed, the Contractor shall, within 10 calendar days, submit a written claim to the RPR who will present it to the Owner for consideration in accordance with local laws or ordinances.

Nothing in this subsection shall be construed as a waiver of the Contractor's right to dispute final payment based on differences in measurements or computations.

END OF SECTION 50

Section 60 Control of Materials

60-01 Source of supply and quality requirements. The materials used in the work shall conform to the requirements of the contract, plans, and specifications. Unless otherwise specified, such materials that are manufactured or processed shall be new (as compared to used or reprocessed).

In order to expedite the inspection and testing of materials, the Contractor shall furnish documentation to the RPR as to the origin, composition, and manufacture of all materials to be used in the work. Documentation shall be furnished promptly after execution of the contract but, in all cases, prior to delivery of such materials.

At the RPR's option, materials may be approved at the source of supply before delivery. If it is found after trial that sources of supply for previously approved materials do not produce specified products, the Contractor shall furnish materials from other sources.

The Contractor shall furnish airport lighting equipment that meets the requirements of the specifications; and is listed in AC 150/5345-53, *Airport Lighting Equipment Certification Program* and *Addendum*, that is in effect on the date of advertisement.

60-02 Samples, tests, and cited specifications. All materials used in the work shall be inspected, tested, and approved by the RPR before incorporation in the work unless otherwise designated. Any work in which untested materials are used without approval or written permission of the RPR shall be performed at the Contractor's risk. Materials found to be unacceptable and unauthorized will not be paid for and, if directed by the RPR, shall be removed at the Contractor's expense.

Unless otherwise designated, quality assurance tests will be made by and at the expense of the Owner in accordance with the cited standard methods of ASTM, American Association of State Highway and Transportation Officials (AASHTO), federal specifications, Commercial Item Descriptions, and all other cited methods, which are current on the date of advertisement for bids.

The testing organizations performing on-site quality assurance field tests shall have copies of all referenced standards on the construction site for use by all technicians and other personnel. Unless otherwise designated, samples for quality assurance will be taken by a qualified representative of the RPR. All materials being used are subject to inspection, test, or rejection at any time prior to or during incorporation into the work. Copies of all tests will be furnished to the Contractor's representative at their request after review and approval of the RPR.

A copy of all Contractor QC test data shall be provided to the RPR daily, along with printed reports, in an approved format, on a weekly basis. After completion of the project, and prior to final payment, the Contractor shall submit a final report to the RPR showing all test data reports, plus an analysis of all results showing ranges, averages, and corrective action taken on all failing tests.

The Contractor shall employ a Quality Control (QC) testing organization to perform all Contractor required QC tests in accordance with Item C-100 Contractor Quality Control Program (CQCP).

All test data shall be furnished to the RPR in electronic PDF format.

60-03 Certification of compliance/analysis (COC/COA). The RPR may permit the use, prior to sampling and testing, of certain materials or assemblies when accompanied by manufacturer's COC stating that such materials or assemblies fully comply with the requirements of the contract. The

certificate shall be signed by the manufacturer. Each lot of such materials or assemblies delivered to the work must be accompanied by a certificate of compliance in which the lot is clearly identified. The COA is the manufacturer's COC and includes all applicable test results.

Materials or assemblies used on the basis of certificates of compliance may be sampled and tested at any time and if found not to be in conformity with contract requirements will be subject to rejection whether in place or not.

The form and distribution of certificates of compliance shall be as approved by the RPR.

When a material or assembly is specified by "brand name or equal" and the Contractor elects to furnish the specified "or equal," the Contractor shall be required to furnish the manufacturer's certificate of compliance for each lot of such material or assembly delivered to the work. Such certificate of compliance shall clearly identify each lot delivered and shall certify as to:

a. Conformance to the specified performance, testing, quality or dimensional requirements; and,

b. Suitability of the material or assembly for the use intended in the contract work.

The RPR shall be the sole judge as to whether the proposed "or equal" is suitable for use in the work.

The RPR reserves the right to refuse permission for use of materials or assemblies on the basis of certificates of compliance.

60-04 Plant inspection. The RPR or their authorized representative may inspect, at its source, any specified material or assembly to be used in the work. Manufacturing plants may be inspected from time to time for the purpose of determining compliance with specified manufacturing methods or materials to be used in the work and to obtain samples required for acceptance of the material or assembly.

Should the RPR conduct plant inspections, the following conditions shall exist:

a. The RPR shall have the cooperation and assistance of the Contractor and the producer with whom the Contractor has contracted for materials.

b. The RPR shall have full entry at all reasonable times to such parts of the plant that concern the manufacture or production of the materials being furnished.

c. If required by the RPR, the Contractor shall arrange for adequate office or working space that may be reasonably needed for conducting plant inspections. Place office or working space in a convenient location with respect to the plant.

It is understood and agreed that the Owner shall have the right to retest any material that has been tested and approved at the source of supply after it has been delivered to the site. The RPR shall have the right to reject only material which, when retested, does not meet the requirements of the contract, plans, or specifications.

60-05 Engineer/ Resident Project Representative (RPR) field office. An Engineer/RPR field office is not required.

60-06 Storage of materials. Materials shall be stored to assure the preservation of their quality and fitness for the work. Stored materials, even though approved before storage, may again be inspected prior to their use in the work. Stored materials shall be located to facilitate their prompt inspection. The Contractor shall coordinate the storage of all materials with the RPR. Materials to be stored on airport property shall not create an obstruction to air navigation nor shall they interfere with the free and unobstructed movement of aircraft. Unless otherwise shown on the plans and/or CSPP, the storage of materials and the location of the Contractor's plant and parked equipment or vehicles shall be as directed by the RPR. Private property shall not be used for storage purposes without written permission of the

Owner or lessee of such property. The Contractor shall make all arrangements and bear all expenses for the storage of materials on private property. Upon request, the Contractor shall furnish the RPR a copy of the property Owner's permission.

All storage sites on private or airport property shall be restored to their original condition by the Contractor at their expense, except as otherwise agreed to (in writing) by the Owner or lessee of the property.

60-07 Unacceptable materials. Any material or assembly that does not conform to the requirements of the contract, plans, or specifications shall be considered unacceptable and shall be rejected. The Contractor shall remove any rejected material or assembly from the site of the work, unless otherwise instructed by the RPR.

Rejected material or assembly, the defects of which have been corrected by the Contractor, shall not be returned to the site of the work until such time as the RPR has approved its use in the work.

60-08 Owner furnished materials. The Contractor shall furnish all materials required to complete the work, except those specified, if any, to be furnished by the Owner. Owner-furnished materials shall be made available to the Contractor at the location specified.

All costs of handling, transportation from the specified location to the site of work, storage, and installing Owner-furnished materials shall be included in the unit price bid for the contract item in which such Owner-furnished material is used.

After any Owner-furnished material has been delivered to the location specified, the Contractor shall be responsible for any demurrage, damage, loss, or other deficiencies that may occur during the Contractor's handling, storage, or use of such Owner-furnished material. The Owner will deduct from any monies due or to become due the Contractor any cost incurred by the Owner in making good such loss due to the Contractor's handling, storage, or use of Owner-furnished materials.

END OF SECTION 60

Section 70 Legal Regulations and Responsibility to Public

70-01 Laws to be observed. The Contractor shall keep fully informed of all federal and state laws, all local laws, ordinances, and regulations and all orders and decrees of bodies or tribunals having any jurisdiction or authority, which in any manner affect those engaged or employed on the work, or which in any way affect the conduct of the work. The Contractor shall at all times observe and comply with all such laws, ordinances, regulations, orders, and decrees; and shall protect and indemnify the Owner and all their officers, agents, or servants against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order, or decree, whether by the Contractor or the Contractor's employees.

70-02 Permits, licenses, and taxes. The Contractor shall procure all permits and licenses, pay all charges, fees, and taxes, and give all notices necessary and incidental to the due and lawful execution of the work.

70-03 Patented devices, materials, and processes. If the Contractor is required or desires to use any design, device, material, or process covered by letters of patent or copyright, the Contractor shall provide for such use by suitable legal agreement with the Patentee or Owner. The Contractor and the surety shall indemnify and hold harmless the Owner, any third party, or political subdivision from any and all claims for infringement by reason of the use of any such patented design, device, material or process, or any trademark or copyright, and shall indemnify the Owner for any costs, expenses, and damages which it may be obliged to pay by reason of an infringement, at any time during the execution or after the completion of the work.

70-04 Restoration of surfaces disturbed by others. The Owner reserves the right to authorize the construction, reconstruction, or maintenance of any public or private utility service, FAA or National Oceanic and Atmospheric Administration (NOAA) facility, or a utility service of another government agency at any time during the progress of the work. To the extent that such construction, reconstruction, or maintenance has been coordinated with the Owner, such authorized work (by others) must be shown on the plans and is indicated as follows: There are FAA cables within the project limits. See Section 70-15 for contact information.

Except as listed above, the Contractor shall not permit any individual, firm, or corporation to excavate or otherwise disturb such utility services or facilities located within the limits of the work without the written permission of the RPR.

Should the Owner of public or private utility service, FAA, or NOAA facility, or a utility service of another government agency be authorized to construct, reconstruct, or maintain such utility service or facility during the progress of the work, the Contractor shall cooperate with such Owners by arranging and performing the work in this contract to facilitate such construction, reconstruction or maintenance by others whether or not such work by others is listed above. When ordered as extra work by the RPR, the Contractor shall make all necessary repairs to the work which are due to such authorized work by others, unless otherwise provided for in the contract, plans, or specifications. It is understood and agreed that the Contractor shall not be entitled to make any claim for damages due to such authorized work by others or for any delay to the work resulting from such authorized work.

70-05 Federal Participation. The United States Government has agreed to reimburse the Owner for some portion of the contract costs. The contract work is subject to the inspection and approval of duly authorized representatives of the FAA Administrator. No requirement of this contract shall be construed

as making the United States a party to the contract nor will any such requirement interfere, in any way, with the rights of either party to the contract.

70-06 Sanitary, health, and safety provisions. The Contractor's worksite and facilities shall comply with applicable federal, state, and local requirements for health, safety and sanitary provisions.

70-07 Public convenience and safety. The Contractor shall control their operations and those of their subcontractors and all suppliers, to assure the least inconvenience to the traveling public. Under all circumstances, safety shall be the most important consideration.

The Contractor shall maintain the free and unobstructed movement of aircraft and vehicular traffic with respect to their own operations and those of their own subcontractors and all suppliers in accordance with Section 40, paragraph 40-05, *Maintenance of Traffic,* and shall limit such operations for the convenience and safety of the traveling public as specified in Section 80, paragraph 80-04, *Limitation of Operations*.

The Contractor shall remove or control debris and rubbish resulting from its work operations at frequent intervals, and upon the order of the RPR. If the RPR determines the existence of Contractor debris in the work site represents a hazard to airport operations and the Contractor is unable to respond in a prompt and reasonable manner, the RPR reserves the right to assign the task of debris removal to a third party and recover the resulting costs as a liquidated damage against the Contractor.

70-08 Construction Safety and Phasing Plan (CSPP). The Contractor shall complete the work in accordance with the approved Construction Safety and Phasing Plan (CSPP) developed in accordance with AC 150/5370-2, Operational Safety on Airports During Construction. The CSPP is included as Attachment A to Section 70.

70-09 Use of explosives. The use of explosives is not permitted on this project.

70-10 Protection and restoration of property and landscape. The Contractor shall be responsible for the preservation of all public and private property, and shall protect carefully from disturbance or damage all land monuments and property markers until the Engineer/RPR has witnessed or otherwise referenced their location and shall not move them until directed.

The Contractor shall be responsible for all damage or injury to property of any character, during the execution of the work, resulting from any act, omission, neglect, or misconduct in manner or method of executing the work, or at any time due to defective work or materials, and said responsibility shall not be released until the project has been completed and accepted.

When or where any direct or indirect damage or injury is done to public or private property by or on account of any act, omission, neglect, or misconduct in the execution of the work, or in consequence of the non-execution thereof by the Contractor, the Contractor shall restore, at their expense, such property to a condition similar or equal to that existing before such damage or injury was done, by repairing, or otherwise restoring as may be directed, or the Contractor shall make good such damage or injury in an acceptable manner.

70-11 Responsibility for damage claims. The Contractor shall indemnify and hold harmless the Engineer/RPR and the Owner and their officers, agents, and employees from all suits, actions, or claims, of any character, brought because of any injuries or damage received or sustained by any person, persons, or property on account of the operations of the Contractor; or on account of or in consequence of any neglect in safeguarding the work; or through use of unacceptable materials in constructing the work; or because of any act or omission, neglect, or misconduct of said Contractor; or because of any claims or amounts recovered from any infringements of patent, trademark, or copyright; or from any claims or amounts arising or recovered under the "Workmen's Compensation Act," or any other law, ordinance, order, or decree. Money due the Contractor under and by virtue of their own contract considered necessary by the Owner for such purpose may be retained for the use of the Owner or, in case no money

is due, their own surety may be held until such suits, actions, or claims for injuries or damages shall have been settled and suitable evidence to that effect furnished to the Owner, except that money due the Contractor will not be withheld when the Contractor produces satisfactory evidence that he or she is adequately protected by public liability and property damage insurance.

70-12 Third party beneficiary clause. It is specifically agreed between the parties executing the contract that it is not intended by any of the provisions of any part of the contract to create for the public or any member thereof, a third-party beneficiary or to authorize anyone not a party to the contract to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of the contract.

70-13 Opening sections of the work to traffic. If it is necessary for the Contractor to complete portions of the contract work for the beneficial occupancy of the Owner prior to completion of the entire contract, such "phasing" of the work must be specified below and indicated on the approved Construction Safety and Phasing Plan (CSPP) and the project plans. When so specified, the Contractor shall complete such portions of the work on or before the date specified or as otherwise specified.

Upon completion of any portion of work listed above, such portion shall be accepted by the Owner in accordance with Section 50, paragraph 50-14, *Partial Acceptance*.

No portion of the work may be opened by the Contractor until directed by the Owner in writing. Should it become necessary to open a portion of the work to traffic on a temporary or intermittent basis, such openings shall be made when, in the opinion of the RPR, such portion of the work is in an acceptable condition to support the intended traffic. Temporary or intermittent openings are considered to be inherent in the work and shall not constitute either acceptance of the portion of the work so opened or a waiver of any provision of the contract. Any damage to the portion of the work so opened that is not attributable to traffic which is permitted by the Owner shall be repaired by the Contractor at their expense.

The Contractor shall make their own estimate of the inherent difficulties involved in completing the work under the conditions herein described and shall not claim any added compensation by reason of delay or increased cost due to opening a portion of the contract work.

The Contractor must conform to safety standards contained AC 150/5370-2 and the approved CSPP.

Contractor shall refer to the plans, specifications, and the approved CSPP to identify barricade requirements, temporary and/or permanent markings, airfield lighting, guidance signs and other safety requirements prior to opening up sections of work to traffic.

70-14 Contractor's responsibility for work. Until the RPR's final written acceptance of the entire completed work, excepting only those portions of the work accepted in accordance with Section 50, paragraph 50-14, *Partial Acceptance*, the Contractor shall have the charge and care thereof and shall take every precaution against injury or damage to any part due to the action of the elements or from any other cause, whether arising from the execution or from the non-execution of the work. The Contractor shall rebuild, repair, restore, and make good all injuries or damages to any portion of the work occasioned by any of the above causes before final acceptance and shall bear the expense thereof except damage to the work due to unforeseeable causes beyond the control of and without the fault or negligence of the Contractor, including but not restricted to acts of God such as earthquake, tidal wave, tornado, hurricane or other cataclysmic phenomenon of nature, or acts of the public enemy or of government authorities.

If the work is suspended for any cause whatever, the Contractor shall be responsible for the work and shall take such precautions necessary to prevent damage to the work. The Contractor shall provide for normal drainage and shall erect necessary temporary structures, signs, or other facilities at their own expense. During such period of suspension of work, the Contractor shall properly and continuously maintain in an acceptable growing condition all living material in newly established planting, seeding,

and sodding furnished under the contract, and shall take adequate precautions to protect new tree growth and other important vegetative growth against injury.

70-15 Contractor's responsibility for utility service and facilities of others. As provided in paragraph 70-04, *Restoration of Surfaces Disturbed by Others*, the Contractor shall cooperate with the owner of any public or private utility service, FAA or NOAA, or a utility service of another government agency that may be authorized by the Owner to construct, reconstruct or maintain such utility services or facilities during the progress of the work. In addition, the Contractor shall control their operations to prevent the unscheduled interruption of such utility services and facilities.

To the extent that such public or private utility services, FAA, or NOAA facilities, or utility services of another governmental agency are known to exist within the limits of the contract work, the approximate locations have been indicated on the plans and/or in the contract documents.

Donald Wallace
FAA Technical Operations, Providence SSC
Tel: 401-734-2902

James Toomey
FAA Technical Operations, Manager Providence SSC
Tel: 401-734-2901

It is understood and agreed that the Owner does not guarantee the accuracy or the completeness of the location information relating to existing utility services, facilities, or structures that may be shown on the plans or encountered in the work. Any inaccuracy or omission in such information shall not relieve the Contractor of the responsibility to protect such existing features from damage or unscheduled interruption of service.

It is further understood and agreed that the Contractor shall, upon execution of the contract, notify the Owners of all utility services or other facilities of their plan of operations. Such notification shall be in writing addressed to "The Person to Contact" as provided in this paragraph and paragraph 70-04, *Restoration of Surfaces Disturbed By Others*. A copy of each notification shall be given to the RPR.

In addition to the general written notification provided, it shall be the responsibility of the Contractor to keep such individual Owners advised of changes in their plan of operations that would affect such Owners.

Prior to beginning the work in the general vicinity of an existing utility service or facility, the Contractor shall again notify each such Owner of their plan of operation. If, in the Contractor's opinion, the Owner's assistance is needed to locate the utility service or facility or the presence of a representative of the Owner is desirable to observe the work, such advice should be included in the notification. Such notification shall be given by the most expeditious means to reach the utility owner's "Person to Contact" no later than two normal business days prior to the Contractor's commencement of operations in such general vicinity. The Contractor shall furnish a written summary of the notification to the RPR.

The Contractor's failure to give the two days' notice shall be cause for the Owner to suspend the Contractor's operations in the general vicinity of a utility service or facility.

Where the outside limits of an underground utility service have been located and staked on the ground, the Contractor shall be required to use hand excavation methods within 3 feet (1 m) of such outside limits at such points as may be required to ensure protection from damage due to the Contractor's operations.

Should the Contractor damage or interrupt the operation of a utility service or facility by accident or otherwise, the Contractor shall immediately notify the proper authority and the RPR and shall take all reasonable measures to prevent further damage or interruption of service. The Contractor, in such events,

shall cooperate with the utility service or facility owner and the RPR continuously until such damage has been repaired and service restored to the satisfaction of the utility or facility owner.

The Contractor shall bear all costs of damage and restoration of service to any utility service or facility due to their operations whether due to negligence or accident. The Owner reserves the right to deduct such costs from any monies due or which may become due the Contractor, or their own surety.

70-16 Furnishing rights-of-way. The Owner will be responsible for furnishing all rights-of-way upon which the work is to be constructed in advance of the Contractor's operations.

70-17 Personal liability of public officials. In carrying out any of the contract provisions or in exercising any power or authority granted by this contract, there shall be no liability upon the Engineer, RPR, their authorized representatives, or any officials of the Owner either personally or as an official of the Owner. It is understood that in such matters they act solely as agents and representatives of the Owner.

70-18 No waiver of legal rights. Upon completion of the work, the Owner will expeditiously make final inspection and notify the Contractor of final acceptance. Such final acceptance, however, shall not preclude or stop the Owner from correcting any measurement, estimate, or certificate made before or after completion of the work, nor shall the Owner be precluded or stopped from recovering from the Contractor or their surety, or both, such overpayment as may be sustained, or by failure on the part of the Contractor to fulfill their obligations under the contract. A waiver on the part of the Owner of any breach of any part of the contract shall not be held to be a waiver of any other or subsequent breach.

The Contractor, without prejudice to the terms of the contract, shall be liable to the Owner for latent defects, fraud, or such gross mistakes as may amount to fraud, or as regards the Owner's rights under any warranty or guaranty.

70-19 Environmental protection. The Contractor shall comply with all federal, state, and local laws and regulations controlling pollution of the environment. The Contractor shall take necessary precautions to prevent pollution of streams, lakes, ponds, and reservoirs with fuels, oils, asphalts, chemicals, or other harmful materials and to prevent pollution of the atmosphere from particulate and gaseous matter.

The Contractor shall observe and adhere to the following requirements set forth in the United States Department of Transportation (DOT) Federal Aviation Administration (FAA) New England Region Record of Decision Airport Improvement Program Theodore Francis Green Airport, dated September 23, 2011. These include:

1. All equipment powered by an internal combustion engine shall utilize a properly maintained muffler.
2. Truck loading, unloading, and hauling activities shall be conducted so that noise is kept to a minimum.
3. Air powered equipment shall be fitted with pneumatic exhaust silencers
4. Stationary equipment powered by an internal combustion engine shall not be within 150 feet of noise-sensitive sites, such as the adjacent residential properties, without portable noise barriers placed between the equipment and the residences. Portable noise barriers are to be constructed of plywood or tongue and-groove boards and shall have a sound absorbing treatment on the surface facing the equipment.
5. Idling diesel-powered construction vehicles and equipment engines shall be limited to no more than five consecutive minutes within a 60-minute period.
6. Construction Equipment shall be operated with Tier 3 controls where feasible and applicable.
7. Low and Zero Emitting construction equipment shall be utilized wherever possible.

8. Route construction equipment and vehicles in areas that will cause the least disturbance to nearby noise sensitive receptors where possible.
9. Fit air-powered equipment with pneumatic exhaust silencers.
10. See FAA Technical Specification P-156 for temporary erosion and sediment controls, stormwater pollution prevention plan (SWPPP), including dust control requirements and hazardous waste management requirements.
11. Coordinate with abutters as needed.
12. Accommodate construction worker parking on-Airport, but not within the AOA.
13. Contractors are encouraged to use low- and zero-emitting construction equipment whenever possible.
14. In coordination with the Owner, implement a construction employee shuttle service, rideshare program, and/or on-site food service to reduce vehicle trips.
15. Use electrical drops in place of temporary electrical generators wherever possible.
16. As applicable, apply non-toxic soil stabilizers to all inactive construction areas, including areas with disturbed soils and stockpiles of raw materials.
17. Stabilize on-site truck haul routes and staging areas with dust-prevention materials.
18. Reduce truck speeds on haul routes to minimize dust.
19. Remove mud and dirt from haul truck wheels and cover truck bodies before leaving the construction site(s).
20. Post a publicly visible sign with the contact information for reporting dust complaints.
21. Ensure proper timing of construction to minimize the time that a disturbed area is left unstablized.
22. Manage waste materials properly.
23. Address any contaminated soil or groundwater encountered during construction in accordance with all applicable regulations.
24. If dewatering activities are necessary, comply with all applicable regulations and obtain all required permits.
25. Implement measures to protect workers and the environment, such as special management procedures for any hazardous, contaminated, or special wastes generated during construction.
26. Prepare a site-specific Health and Safety Plan.

70-20 Archaeological and historical findings. Unless otherwise specified in this subsection, the Contractor is advised that the site of the work is not within any property, district, or site, and does not contain any building, structure, or object listed in the current National Register of Historic Places published by the United States Department of Interior.

Should the Contractor encounter, during their operations, any building, part of a building, structure, or object that is incongruous with its surroundings, the Contractor shall immediately cease operations in that location and notify the RPR. The RPR will immediately investigate the Contractor's finding and the Owner will direct the Contractor to either resume operations or to suspend operations as directed.

Should the Owner order suspension of the Contractor's operations in order to protect an archaeological or historical finding, or order the Contractor to perform extra work, such shall be covered by an appropriate contract change order or supplemental agreement as provided in Section 40, paragraph 40-04, *Extra*

Work, and Section 90, paragraph 90-05, *Payment for Extra Work*. If appropriate, the contract change order or supplemental agreement shall include an extension of contract time in accordance with Section 80, paragraph 80-07, *Determination and Extension of Contract Time*.

70-21 Insurance Requirements. See Division 0, Section 00100, Information to Bidders, Paragraph X for insurance requirements specific to this project.

END OF SECTION 70

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Section 80 Execution and Progress

80-01 Subletting of contract. The Owner will not recognize any subcontractor on the work. The Contractor shall at all times when work is in progress be represented either in person, by a qualified superintendent, or by other designated, qualified representative who is duly authorized to receive and execute orders of the Resident Project Representative (RPR).

The Contractor shall perform, with his organization, an amount of work equal to at least 25 percent of the total contract cost.

Should the Contractor elect to assign their contract, said assignment shall be concurred in by the surety, shall be presented for the consideration and approval of the Owner, and shall be consummated only on the written approval of the Owner.

The Contractor shall provide copies of all subcontracts to the RPR 14 days prior to being utilized on the project. As a minimum, the information shall include the following:

- Subcontractor's legal company name.
- Subcontractor's legal company address, including County name.
- Principal contact person's name, telephone and fax number.
- Complete narrative description, and dollar value of the work to be performed by the subcontractor.
- Copies of required insurance certificates in accordance with the specifications.
- Minority / non-minority status.

80-02 Notice to proceed (NTP).

1. The Owners Construction NTP will state the date on which contract time commences. The Contractor is expected to commence project operations on the effective date of the Construction NTP. The Contractor shall notify the RPR at least 48 hours in advance of the time contract operations begins. The Contractor shall not commence any actual operations prior to the date on which the notice to proceed is issued by the Owner. It is anticipated that the Construction Notice to Proceed will be issued for late Fall/early Winter 2024.

80-03 Execution and progress. Unless otherwise specified, the Contractor shall submit their coordinated construction schedule showing all work activities for the RPR's review and acceptance at least 14 days prior to the start of work. The Contractor's progress schedule, once accepted by the RPR, will represent the Contractor's baseline plan to accomplish the project in accordance with the terms and conditions of the Contract. The RPR will compare actual Contractor progress against the baseline schedule to determine that status of the Contractor's performance. The Contractor shall provide sufficient materials, equipment, and labor to guarantee the completion of the project in accordance with the plans and specifications within the time set forth in the proposal.

The project schedule shall be prepared as a network diagram in Critical Path Method (CPM), as specified in Division 1, Section 01310 Construction Progress Schedule.

If the Contractor falls significantly behind the submitted schedule, the Contractor shall, upon the RPR's request, submit a revised schedule for completion of the work within the contract time and modify their operations to provide such additional materials, equipment, and labor necessary to meet the revised schedule. Should the execution of the work be discontinued for any reason, the Contractor shall notify the RPR at least 24 hours in advance of resuming operations.

The Contractor shall not commence any actual construction prior to the date on which the Owner's Construction NTP is issued by the Owner.

The Contractor shall maintain the work schedule and provide an update and analysis of the progress schedule on a weekly basis, or as otherwise specified in the contract. Submission of the work schedule shall not relieve the Contractor of overall responsibility for scheduling, sequencing, and coordinating all work to comply with the requirements of the contract.

80-04 Limitation of operations. The Contractor shall control their operations and the operations of their subcontractors and all suppliers to provide for the free and unobstructed movement of aircraft in the air operations areas (AOA) of the airport.

When the work requires the Contractor to conduct their operations within an AOA of the airport, the work shall be coordinated with airport operations (through the RPR) at least 48 hours prior to commencement of such work. The Contractor shall not close an AOA until so authorized by the RPR and until the necessary temporary marking, signage and associated lighting is in place as provided in Section 70, paragraph 70-08, *Construction Safety and Phasing Plan (CSPP)*.

When the contract work requires the Contractor to work within an AOA of the airport on an intermittent basis (intermittent opening and closing of the AOA), the Contractor shall maintain constant communications as specified; immediately obey all instructions to vacate the AOA; and immediately obey all instructions to resume work in such AOA. Failure to maintain the specified communications or to obey instructions shall be cause for suspension of the Contractor's operations in the AOA until satisfactory conditions are provided. The areas of the AOA identified in the Construction Safety Phasing Plan (CSPP) and as listed below, cannot be closed to operating aircraft to permit the Contractor's operations on a continuous basis and will therefore be closed to aircraft operations intermittently as specified in the CSPP.

The Contractor shall be required to conform to safety standards contained in AC 150/5370-2, Operational Safety on Airports During Construction and the approved CSPP.

80-04.1 Operational safety on airport during construction. All Contractors' operations shall be conducted in accordance with the approved project Construction Safety and Phasing Plan (CSPP) and the Safety Plan Compliance Document (SPCD) and the provisions set forth within the current version of AC 150/5370-2, Operational Safety on Airports During Construction. The CSPP included within the contract documents conveys minimum requirements for operational safety on the airport during construction activities. The Contractor shall prepare and submit a SPCD that details how it proposes to comply with the requirements presented within the CSPP.

The Contractor shall implement all necessary safety plan measures prior to commencement of any work activity. The Contractor shall conduct routine checks to assure compliance with the safety plan measures.

The Contractor is responsible to the Owner for the conduct of all subcontractors it employs on the project. The Contractor shall assure that all subcontractors are made aware of the requirements of the CSPP and SPCD and that they implement and maintain all necessary measures.

No deviation or modifications may be made to the approved CSPP and SPCD unless approved in writing by the Owner. The necessary coordination actions to review Contractor proposed modifications to an approved CSPP or approved SPCD can require a significant amount of time.

80-05 Character of workers, methods, and equipment. The Contractor shall, at all times, employ sufficient labor and equipment for prosecuting the work to full completion in the manner and time required by the contract, plans, and specifications.

All workers shall have sufficient skill and experience to perform properly the work assigned to them. Workers engaged in special work or skilled work shall have sufficient experience in such work and in the operation of the equipment required to perform the work satisfactorily.

Any person employed by the Contractor or by any subcontractor who violates any operational regulations or operational safety requirements and, in the opinion of the RPR, does not perform his work in a proper and skillful manner or is intemperate or disorderly shall, at the written request of the RPR, be removed immediately by the Contractor or subcontractor employing such person, and shall not be employed again in any portion of the work without approval of the RPR.

Should the Contractor fail to remove such person or persons, or fail to furnish suitable and sufficient personnel for the proper execution of the work, the RPR may suspend the work by written notice until compliance with such orders.

All equipment that is proposed to be used on the work shall be of sufficient size and in such mechanical condition as to meet requirements of the work and to produce a satisfactory quality of work. Equipment used on any portion of the work shall not cause injury to previously completed work, adjacent property, or existing airport facilities due to its use.

When the methods and equipment to be used by the Contractor in accomplishing the work are not prescribed in the contract, the Contractor is free to use any methods or equipment that will accomplish the work in conformity with the requirements of the contract, plans, and specifications.

When the contract specifies the use of certain methods and equipment, such methods and equipment shall be used unless otherwise authorized by the RPR. If the Contractor desires to use a method or type of equipment other than specified in the contract, the Contractor may request authority from the RPR to do so. The request shall be in writing and shall include a full description of the methods and equipment proposed and of the reasons for desiring to make the change. If approval is given, it will be on the condition that the Contractor will be fully responsible for producing work in conformity with contract requirements. If, after trial use of the substituted methods or equipment, the RPR determines that the work produced does not meet contract requirements, the Contractor shall discontinue the use of the substitute method or equipment and shall complete the remaining work with the specified methods and equipment. The Contractor shall remove any deficient work and replace it with work of specified quality, or take such other corrective action as the RPR may direct. No change will be made in basis of payment for the contract items involved nor in contract time as a result of authorizing a change in methods or equipment under this paragraph.

80-06 Temporary suspension of the work. The Owner shall have the authority to suspend the work wholly, or in part, for such period or periods the Owner may deem necessary, due to unsuitable weather, or other conditions considered unfavorable for the execution of the work, or for such time necessary due to the failure on the part of the Contractor to carry out orders given or perform any or all provisions of the contract.

In the event that the Contractor is ordered by the Owner, in writing, to suspend work for some unforeseen cause not otherwise provided for in the contract and over which the Contractor has no control, the Contractor may be reimbursed for actual money expended on the work during the period of shutdown. No allowance will be made for anticipated profits. The period of shutdown shall be computed from the effective date of the written order to suspend work to the effective date of the written order to resume the work. Claims for such compensation shall be filed with the RPR within the time period stated in the RPR's order to resume work. The Contractor shall submit with their own claim information substantiating

the amount shown on the claim. The RPR will forward the Contractor's claim to the Owner for consideration in accordance with local laws or ordinances. No provision of this article shall be construed as entitling the Contractor to compensation for delays due to inclement weather or for any other delay provided for in the contract, plans, or specifications.

If it becomes necessary to suspend work for an indefinite period, the Contractor shall store all materials in such manner that they will not become an obstruction nor become damaged in any way. The Contractor shall take every precaution to prevent damage or deterioration of the work performed and provide for normal drainage of the work. The Contractor shall erect temporary structures where necessary to provide for traffic on, to, or from the airport.

80-07 Determination and extension of contract time. The time for substantial completion is to be ***210 calendar days*** and shall be known as the Contract Time, with an additional **30 calendar days** for Final Completion.

If the contract time requires extension for reasons beyond the Contractor's control, it shall be adjusted as follows:

80-07.1 Contract Time

Contract time based on calendar days. Contract Time based on calendar days shall consist of the number of calendar days stated in the contract counting from the effective date of the Notice to Proceed and including all Saturdays, Sundays, holidays, and non-work days. All calendar days elapsing between the effective dates of the Owner's orders to suspend and resume all work, due to causes not the fault of the Contractor, shall be excluded.

At the time of final payment, the contract time shall be increased in the same proportion as the cost of the actually completed quantities bears to the cost of the originally estimated quantities in the proposal. Such increase in the contract time shall not consider either cost of work or the extension of contract time that has been covered by a change order or supplemental agreement. Charges against the contract time will cease as of the date of final acceptance.

80-08 Failure to complete on time. For each calendar day or working day, as specified in the contract, that any work remains uncompleted after the contract time (including all extensions and adjustments as provided in paragraph 80-07, *Determination and Extension of Contract Time*) the sum specified in the contract and proposal as liquidated damages (LD) will be deducted from any money due or to become due the Contractor or their own surety. Such deducted sums shall not be deducted as a penalty but shall be considered as liquidation of a reasonable portion of damages including but not limited to additional engineering services that will be incurred by the Owner should the Contractor fail to complete the work in the time provided in their contract. The amount incurred after the date of substantial completion shall be $1,000 per day.

The maximum total construction time allowed for the Project will be 180 Calendar days for substantial completion. Permitting the Contractor to continue and finish the work or any part of it after the time fixed for its completion, or after the date to which the time for completion may have been extended, will in no way operate as a wavier on the part of the Owner of any of its rights under the contract.

80-09 Default and termination of contract. The Contractor shall be considered in default of their contract and such default will be considered as cause for the Owner to terminate the contract for any of the following reasons, if the Contractor:

a. Fails to begin the work under the contract within the time specified in the Notice to Proceed, or

b. Fails to perform the work or fails to provide sufficient workers, equipment and/or materials to assure completion of work in accordance with the terms of the contract, or

c. Performs the work unsuitably or neglects or refuses to remove materials or to perform anew such work as may be rejected as unacceptable and unsuitable, or

d. Discontinues the execution of the work, or

e. Fails to resume work which has been discontinued within a reasonable time after notice to do so, or

f. Becomes insolvent or is declared bankrupt, or commits any act of bankruptcy or insolvency, or

g. Allows any final judgment to stand against the Contractor unsatisfied for a period of 10 days, or

h. Makes an assignment for the benefit of creditors, or

i. For any other cause whatsoever, fails to carry on the work in an acceptable manner.

Should the Owner consider the Contractor in default of the contract for any reason above, the Owner shall immediately give written notice to the Contractor and the Contractor's surety as to the reasons for considering the Contractor in default and the Owner's intentions to terminate the contract.

If the Contractor or surety, within a period of 10 days after such notice, does not proceed in accordance therewith, then the Owner will, upon written notification from the RPR of the facts of such delay, neglect, or default and the Contractor's failure to comply with such notice, have full power and authority without violating the contract, to take the execution of the work out of the hands of the Contractor. The Owner may appropriate or use any or all materials and equipment that have been mobilized for use in the work and are acceptable and may enter into an agreement for the completion of said contract according to the terms and provisions thereof, or use such other methods as in the opinion of the RPR will be required for the completion of said contract in an acceptable manner.

All costs and charges incurred by the Owner, together with the cost of completing the work under contract, will be deducted from any monies due or which may become due the Contractor. If such expense exceeds the sum which would have been payable under the contract, then the Contractor and the surety shall be liable and shall pay to the Owner the amount of such excess.

80-10 Termination for national emergencies. The Owner shall terminate the contract or portion thereof by written notice when the Contractor is prevented from proceeding with the construction contract as a direct result of an Executive Order of the President with respect to the execution of war or in the interest of national defense.

When the contract, or any portion thereof, is terminated before completion of all items of work in the contract, payment will be made for the actual number of units or items of work completed at the contract price or as mutually agreed for items of work partially completed or not started. No claims or loss of anticipated profits shall be considered.

Reimbursement for organization of the work, and other overhead expenses, (when not otherwise included in the contract) and moving equipment and materials to and from the job will be considered, the intent being that an equitable settlement will be made with the Contractor.

Acceptable materials, obtained or ordered by the Contractor for the work and that are not incorporated in the work shall, at the option of the Contractor, be purchased from the Contractor at actual cost as shown by receipted bills and actual cost records at such points of delivery as may be designated by the RPR.

Termination of the contract or a portion thereof shall neither relieve the Contractor of their responsibilities for the completed work nor shall it relieve their surety of its obligation for and concerning any just claim arising out of the work performed.

80-11 Work area, storage area and sequence of operations. The Contractor shall obtain approval from the RPR prior to beginning any work in all areas of the airport. No operating runway, taxiway, or air operations area (AOA) shall be crossed, entered, or obstructed while it is operational. The Contractor shall plan and coordinate work in accordance with the approved CSPP and SPCD.

END OF SECTION 80

Section 90 Measurement and Payment

90-01 Measurement of quantities. All work completed under the contract will be measured by the RPR, or their authorized representatives, using United States Customary Units of Measurement**.**

The method of measurement and computations to be used in determination of quantities of material furnished and of work performed under the contract will be those methods generally recognized as conforming to good engineering practice.

Unless otherwise specified, longitudinal measurements for area computations will be made horizontally, and no deductions will be made for individual fixtures (or leave-outs) having an area of 9 square feet (0.8 square meters) or less. Unless otherwise specified, transverse measurements for area computations will be the neat dimensions shown on the plans or ordered in writing by the RPR.

Unless otherwise specified, all contract items which are measured by the linear foot such as electrical ducts, conduits, pipe culverts, underdrains, and similar items shall be measured parallel to the base or foundation upon which such items are placed.

The term "lump sum" when used as an item of payment will mean complete payment for the work described in the contract. When a complete structure or structural unit (in effect, "lump sum" work) is specified as the unit of measurement, the unit will be construed to include all necessary fittings and accessories.

When requested by the Contractor and approved by the RPR in writing, material specified to be measured by the cubic yard (cubic meter) may be weighed, and such weights will be converted to cubic yards (cubic meters) for payment purposes. Factors for conversion from weight measurement to volume measurement will be determined by the RPR and shall be agreed to by the Contractor before such method of measurement of pay quantities is used.

Measurement and Payment Terms

Term	Description
Excavation and Embankment Volume	In computing volumes of excavation, the average end area method will be used unless otherwise specified.
Measurement and Proportion by Weight	The term "ton" will mean the short ton consisting of 2,000 pounds (907 km) avoirdupois. All materials that are measured or proportioned by weights shall be weighed on accurate, independently certified scales by competent, qualified personnel at locations designated by the RPR. If material is shipped by rail, the car weight may be accepted provided that only the actual weight of material is paid for. However, car weights will not be acceptable for material to be passed through mixing plants. Trucks used to haul material being paid for by weight shall be weighed empty daily at such times as the RPR directs, and each truck shall bear a plainly legible identification mark.
Measurement by Volume	Materials to be measured by volume in the hauling vehicle shall be hauled in approved vehicles and measured therein at the point of delivery. Vehicles for this

Term	Description
	purpose may be of any size or type acceptable for the materials hauled, provided that the body is of such shape that the actual contents may be readily and accurately determined. All vehicles shall be loaded to at least their water level capacity, and all loads shall be leveled when the vehicles arrive at the point of delivery.
Asphalt Material	Asphalt materials will be measured by the gallon (liter) or ton (kg). When measured by volume, such volumes will be measured at 60°F (16°C) or will be corrected to the volume at 60°F (16°C) using ASTM D1250 for asphalts. Net certified scale weights or weights based on certified volumes in the case of rail shipments will be used as a basis of measurement, subject to correction when asphalt material has been lost from the car or the distributor, wasted, or otherwise not incorporated in the work. When asphalt materials are shipped by truck or transport, net certified weights by volume, subject to correction for loss or foaming, will be used for computing quantities.
Cement	Cement will be measured by the ton (kg) or hundredweight (km).
Structure	Structures will be measured according to neat lines shown on the plans or as altered to fit field conditions.
Timber	Timber will be measured by the thousand feet board measure (MFBM) actually incorporated in the structure. Measurement will be based on nominal widths and thicknesses and the extreme length of each piece.
Plates and Sheets	The thickness of plates and galvanized sheet used in the manufacture of corrugated metal pipe, metal plate pipe culverts and arches, and metal cribbing will be specified and measured in decimal fraction of inch.
Miscellaneous Items	When standard manufactured items are specified such as fence, wire, plates, rolled shapes, pipe conduit, etc., and these items are identified by gauge, unit weight, section dimensions, etc., such identification will be considered to be nominal weights or dimensions. Unless more stringently controlled by tolerances in cited specifications, manufacturing tolerances established by the industries involved will be accepted.
Scales	Scales must be tested for accuracy and serviced before use. Scales for weighing materials which are required to be proportioned or measured and paid for by weight shall be furnished, erected, and maintained by the Contractor, or be certified permanently installed commercial scales. Platform scales shall be installed and maintained with the platform level and rigid bulkheads at each end. Scales shall be accurate within 0.5% of the correct weight throughout the range of use. The Contractor shall have the scales checked under the observation of the RPR before beginning work and at such other times as requested. The intervals shall be uniform in spacing throughout the graduated or marked length of the beam or dial and shall not exceed 0.1% of the nominal rated capacity of the scale, but not less than one pound (454 grams). The use of spring balances will not be permitted.

Term	Description
	In the event inspection reveals the scales have been "overweighing" (indicating more than correct weight) they will be immediately adjusted. All materials received subsequent to the last previous correct weighting-accuracy test will be reduced by the percentage of error in excess of 0.5%. In the event inspection reveals the scales have been under-weighing (indicating less than correct weight), they shall be immediately adjusted. No additional payment to the Contractor will be allowed for materials previously weighed and recorded. Beams, dials, platforms, and other scale equipment shall be so arranged that the operator and the RPR can safely and conveniently view them. Scale installations shall have available ten standard 50-pound (2.3 km) weights for testing the weighing equipment or suitable weights and devices for other approved equipment. All costs in connection with furnishing, installing, certifying, testing, and maintaining scales; for furnishing check weights and scale house; and for all other items specified in this subsection, for the weighing of materials for proportioning or payment, shall be included in the unit contract prices for the various items of the project.
Rental Equipment	Rental of equipment will be measured by time in hours of actual working time and necessary traveling time of the equipment within the limits of the work. Special equipment ordered in connection with extra work will be measured as agreed in the change order or supplemental agreement authorizing such work as provided in paragraph 90-05 *Payment for Extra Work*.
Pay Quantities	When the estimated quantities for a specific portion of the work are designated as the pay quantities in the contract, they shall be the final quantities for which payment for such specific portion of the work will be made, unless the dimensions of said portions of the work shown on the plans are revised by the RPR. If revised dimensions result in an increase or decrease in the quantities of such work, the final quantities for payment will be revised in the amount represented by the authorized changes in the dimensions.

90-02 Scope of payment. The Contractor shall receive and accept compensation provided for in the contract as full payment for furnishing all materials, for performing all work under the contract in a complete and acceptable manner, and for all risk, loss, damage, or expense of whatever character arising out of the nature of the work or the execution thereof, subject to the provisions of Section 70, paragraph 70-18, *No Waiver of Legal Rights*.

When the "basis of payment" subsection of a technical specification requires that the contract price (price bid) include compensation for certain work or material essential to the item, this same work or material will not also be measured for payment under any other contract item which may appear elsewhere in the contract, plans, or specifications.

90-03 Compensation for altered quantities. When the accepted quantities of work vary from the quantities in the proposal, the Contractor shall accept as payment in full, so far as contract items are concerned, payment at the original contract price for the accepted quantities of work actually completed and accepted. No allowance, except as provided for in Section 40, paragraph 40-02, *Alteration of Work*

and Quantities, will be made for any increased expense, loss of expected reimbursement, or loss of anticipated profits suffered or claimed by the Contractor which results directly from such alterations or indirectly from their own unbalanced allocation of overhead and profit among the contract items, or from any other cause.

90-04 Payment for omitted items. As specified in Section 40, paragraph 40-03, *Omitted Items,* the RPR shall have the right to omit from the work (order nonperformance) any contract item, except major contract items, in the best interest of the Owner.

Should the RPR omit or order nonperformance of a contract item or portion of such item from the work, the Contractor shall accept payment in full at the contract prices for any work actually completed and acceptable prior to the RPR's order to omit or non-perform such contract item.

Acceptable materials ordered by the Contractor or delivered on the work prior to the date of the RPR's order will be paid for at the actual cost to the Contractor and shall thereupon become the property of the Owner.

In addition to the reimbursement hereinbefore provided, the Contractor shall be reimbursed for all actual costs incurred for the purpose of performing the omitted contract item prior to the date of the RPR's order. Such additional costs incurred by the Contractor must be directly related to the deleted contract item and shall be supported by certified statements by the Contractor as to the nature the amount of such costs.

90-05 Payment for extra work. Extra work, performed in accordance with Section 40, paragraph 40-04, *Extra Work*, will be paid for at the contract prices or agreed prices specified in the change order or supplemental agreement authorizing the extra work.

90-06 Partial payments. Partial payments will be made to the Contractor at least once each month as the work progresses. Said payments will be based upon estimates, prepared by the RPR, of the value of the work performed and materials complete and in place, in accordance with the contract, plans, and specifications. Such partial payments may also include the delivered actual cost of those materials stockpiled and stored in accordance with paragraph 90-07, *Payment for Materials on Hand*. No partial payment will be made when the amount due to the Contractor since the last estimate amounts to less than five hundred dollars.

a. From the total of the amount determined to be payable on a partial payment, **five (5)** percent of such total amount will be deducted and retained by the Owner for protection of the Owner's interests. Unless otherwise instructed by the Owner, the amount retained by the Owner will be in effect until the final payment is made except as follows:

(1) Contractor may request release of retainage on work that has been partially accepted by the Owner in accordance with Section 50-14. Contractor must provide a certified invoice to the RPR that supports the value of retainage held by the Owner for partially accepted work.

(2) In lieu of retainage, the Contractor may exercise at its option the establishment of an escrow account per paragraph 90-08.

b. The Contractor is required to pay all subcontractors for satisfactory performance of their contracts no later than 30 days after the Contractor has received a partial payment. Contractor must provide the Owner evidence of prompt and full payment of retainage held by the prime Contractor to the subcontractor within 30 days after the subcontractor's work is satisfactorily completed. A subcontractor's work is satisfactorily completed when all the tasks called for in the subcontract have been accomplished and documented as required by the Owner. When the Owner has made

an incremental acceptance of a portion of a prime contract, the work of a subcontractor covered by that acceptance is deemed to be satisfactorily completed.

c. When at least 95% of the work has been completed to the satisfaction of the RPR, the RPR shall, at the Owner's discretion and with the consent of the surety, prepare estimates of both the contract value and the cost of the remaining work to be done. The Owner may retain an amount not less than twice the contract value or estimated cost, whichever is greater, of the work remaining to be done. The remainder, less all previous payments and deductions, will then be certified for payment to the Contractor.

It is understood and agreed that the Contractor shall not be entitled to demand or receive partial payment based on quantities of work in excess of those provided in the proposal or covered by approved change orders or supplemental agreements, except when such excess quantities have been determined by the RPR to be a part of the final quantity for the item of work in question.

No partial payment shall bind the Owner to the acceptance of any materials or work in place as to quality or quantity. All partial payments are subject to correction at the time of final payment as provided in paragraph 90-09, *Acceptance and Final Payment*.

The Contractor shall deliver to the Owner a complete release of all claims for labor and material arising out of this contract before the final payment is made. If any subcontractor or supplier fails to furnish such a release in full, the Contractor may furnish a bond or other collateral satisfactory to the Owner to indemnify the Owner against any potential lien or other such claim. The bond or collateral shall include all costs, expenses, and attorney fees the Owner may be compelled to pay in discharging any such lien or claim.

90-07 Payment for materials on hand. Partial payments may be made to the extent of the delivered cost of materials to be incorporated in the work, provided that such materials meet the requirements of the contract, plans, and specifications and are delivered to acceptable sites on the airport property or at other sites in the vicinity that are acceptable to the Owner. Such delivered costs of stored or stockpiled materials may be included in the next partial payment after the following conditions are met:

a. The material has been stored or stockpiled in a manner acceptable to the RPR at or on an approved site.

b. The Contractor has furnished the RPR with acceptable evidence of the quantity and quality of such stored or stockpiled materials.

c. The Contractor has furnished the RPR with satisfactory evidence that the material and transportation costs have been paid.

d. The Contractor has furnished the Owner legal title (free of liens or encumbrances of any kind) to the material stored or stockpiled.

e. The Contractor has furnished the Owner evidence that the material stored or stockpiled is insured against loss by damage to or disappearance of such materials at any time prior to use in the work.

It is understood and agreed that the transfer of title and the Owner's payment for such stored or stockpiled materials shall in no way relieve the Contractor of their responsibility for furnishing and placing such materials in accordance with the requirements of the contract, plans, and specifications.

In no case will the amount of partial payments for materials on hand exceed the contract price for such materials or the contract price for the contract item in which the material is intended to be used.

No partial payment will be made for stored or stockpiled living or perishable plant materials.

The Contractor shall bear all costs associated with the partial payment of stored or stockpiled materials in accordance with the provisions of this paragraph.

90-08 Payment of withheld funds. At the Contractor's option, if an Owner withholds retainage in accordance with the methods described in paragraph 90-06 *Partial Payments*, the Contractor may request that the Owner deposit the retainage into an escrow account. The Owner's deposit of retainage into an escrow account is subject to the following conditions:

a. The Contractor shall bear all expenses of establishing and maintaining an escrow account and escrow agreement acceptable to the Owner.

b. The Contractor shall deposit to and maintain in such escrow only those securities or bank certificates of deposit as are acceptable to the Owner and having a value not less than the retainage that would otherwise be withheld from partial payment.

c. The Contractor shall enter into an escrow agreement satisfactory to the Owner.

d. The Contractor shall obtain the written consent of the surety to such agreement.

90-09 Acceptance and final payment. When the contract work has been accepted in accordance with the requirements of Section 50, paragraph 50-15, *Final Acceptance*, the RPR will prepare the final estimate of the items of work actually performed. The Contractor shall approve the RPR's final estimate or advise the RPR of the Contractor's objections to the final estimate which are based on disputes in measurements or computations of the final quantities to be paid under the contract as amended by change order or supplemental agreement. The Contractor and the RPR shall resolve all disputes (if any) in the measurement and computation of final quantities to be paid within 30 calendar days of the Contractor's receipt of the RPR's final estimate. If, after such 30-day period, a dispute still exists, the Contractor may approve the RPR's estimate under protest of the quantities in dispute, and such disputed quantities shall be considered by the Owner as a claim in accordance with Section 50, paragraph 50-16, *Claims for Adjustment and Disputes*.

After the Contractor has approved, or approved under protest, the RPR's final estimate, and after the RPR's receipt of the project closeout documentation required in paragraph 90-11, *Contractor Final Project Documentation*, final payment will be processed based on the entire sum, or the undisputed sum in case of approval under protest, determined to be due the Contractor less all previous payments and all amounts to be deducted under the provisions of the contract. All prior partial estimates and payments shall be subject to correction in the final estimate and payment.

If the Contractor has filed a claim for additional compensation under the provisions of Section 50, paragraph 50-16, *Claims for Adjustments and Disputes,* or under the provisions of this paragraph, such claims will be considered by the Owner in accordance with local laws or ordinances. Upon final adjudication of such claims, any additional payment determined to be due the Contractor will be paid pursuant to a supplemental final estimate.

90-10 Construction warranty.

a. In addition to any other warranties in this contract, the Contractor warrants that work performed under this contract conforms to the contract requirements and is free of any defect in equipment, material, workmanship, or design furnished, or performed by the Contractor or any subcontractor or supplier at any tier.

b. This warranty shall continue for a period of one year from the date of final acceptance of the work, except as noted. If the Owner takes possession of any part of the work before final acceptance, this warranty shall continue for a period of one year from the date the Owner takes possession. However, this will not relieve the Contractor from corrective items required by the final acceptance of the project work.

c. The Contractor shall remedy at the Contractor's expense any failure to conform, or any defect. In addition, the Contractor shall remedy at the Contractor's expense any damage to Owner real or personal property, when that damage is the result of the Contractor's failure to conform to contract requirements; or any defect of equipment, material, workmanship, or design furnished by the Contractor.

d. The Contractor shall restore any work damaged in fulfilling the terms and conditions of this clause. The Contractor's warranty with respect to work repaired or replaced will run for one year from the date of repair or replacement.

e. The Owner will notify the Contractor, in writing, within seven (7) days after the discovery of any failure, defect, or damage.

f. If the Contractor fails to remedy any failure, defect, or damage within 14 days after receipt of notice, the Owner shall have the right to replace, repair, or otherwise remedy the failure, defect, or damage at the Contractor's expense.

g. With respect to all warranties, express or implied, from subcontractors, manufacturers, or suppliers for work performed and materials furnished under this contract, the Contractor shall: (1) Obtain all warranties that would be given in normal commercial practice; (2) Require all warranties to be executed, in writing, for the benefit of the Owner, as directed by the Owner, and (3) Enforce all warranties for the benefit of the Owner.

h. This warranty shall not limit the Owner's rights with respect to latent defects, gross mistakes, or fraud.

90-11 Contractor Final Project Documentation. Approval of final payment to the Contractor is contingent upon completion and submittal of the items listed below and the requirements of Section 01700, Closeout Procedures. The final payment will not be approved until the RPR approves the Contractor's final submittal. The Contractor shall:

a. Provide two (2) copies of all manufacturers warranties specified for materials, equipment, and installations.

b. Provide weekly payroll records (not previously received) from the general Contractor and all subcontractors.

c. Complete final cleanup in accordance with Section 40, paragraph 40-08, *Final Cleanup*.

d. Complete all punch list items identified during the Final Inspection.

e. Provide complete release of all claims for labor and material arising out of the Contract.

f. Provide a certified statement signed by the subcontractors, indicating actual amounts paid to the Disadvantaged Business Enterprise (DBE) subcontractors and/or suppliers associated with the project.

g. When applicable per state requirements, return copies of sales tax completion forms.

h. Manufacturer's certifications for all items incorporated in the work.

i. All required record drawings, as-built drawings or as-constructed drawings.

j. Project Operation and Maintenance (O&M) Manual(s).

k. Security for Construction Warranty.

l. Equipment commissioning documentation submitted, if required.

END OF SECTION 90

SECTION 055113 - METAL PAN STAIRS

-Section Added under Addendum #3-

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Preassembled steel stairs with metal treads.

1.2 COORDINATION

A. Coordinate selection of shop primers with topcoats to be applied over them. Comply with paint and coating manufacturers' written instructions to ensure that shop primers and topcoats are compatible with one another.

B. Coordinate with Section 099623 Resinous Matrix Terrazzo Flooring for stair preparation and terrazzo installation.

1.3 ACTION SUBMITTALS

A. Product Data: For metal pan stairs and the following:
1. Metal-pan-stair treads.

B. Shop Drawings:

1. Include plans, elevations, sections, details, and attachments to other work.
2. Indicate sizes of metal sections, thickness of metals, profiles, holes, and field joints.
3. Include plan at each level.
4. Indicate locations of anchors, weld plates, and blocking for attachment.

C. Delegated Design Submittal: For stairs, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.4 INFORMATIONAL SUBMITTALS

A. Qualification Data: For professional engineer's experience with providing delegated design engineering services of the kind indicated, including documentation that engineer is licensed in the state of Rhode Island in which Project is located.

B. Welding certificates.

1.5 QUALITY ASSURANCE

A. Welding Qualifications: Qualify procedures and personnel according to the following:

1. AWS D1.1/D1.1M, "Structural Welding Code - Steel."
2. AWS D1.3/D1.3M, "Structural Welding Code - Sheet Steel."

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Structural Performance of Stairs: Metal stairs withstand the effects of gravity loads and the following loads and stresses within limits and under conditions defined in the International Building Code, 2018 Edition with Rhode Island amendments.

B. Seismic Performance of Stairs: Metal stairs withstand the effects of earthquake motions determined according to ASCE/SEI 7.

2.2 METALS

A. Steel Plates, Shapes, and Bars: ASTM A36/A36M.

B. Steel Tubing: **ASTM A500/A500M (cold formed)**

C. Uncoated, Cold-Rolled Steel Sheet: ASTM A1008/A1008M, **either commercial steel, Type B, or** structural steel, Grade 25 (Grade 170), unless another grade is required by design loads; exposed.

D. Uncoated, Hot-Rolled Steel Sheet: ASTM A1011/A1011M, **either commercial steel, Type B, or** structural steel, Grade 30 (Grade 205), unless another grade is required by design loads.

2.3 FABRICATION, GENERAL

A. Provide complete stair assemblies, including metal framing, hangers, struts, clips, brackets, bearing plates, and other components necessary to support and anchor stairs and platforms on supporting structure.

1. Join components by welding unless otherwise indicated.
2. Use connections that maintain structural value of joined pieces.

B. Assemble stairs in shop to greatest extent possible.

1. Disassemble units only as necessary for shipping and handling limitations.
2. Clearly mark units for reassembly and coordinated installation.

C. Cut, drill, and punch metals cleanly and accurately.

1. Remove burrs and ease edges to a radius of approximately 1/32 inch (1 mm) unless otherwise indicated.
2. Remove sharp or rough areas on exposed surfaces.

D. Form bent-metal corners to smallest radius possible without causing grain separation or otherwise impairing work.

E. Form exposed work with accurate angles and surfaces and straight edges.

F. Weld connections to comply with the following:

1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
2. Obtain fusion without undercut or overlap.
3. Remove welding flux immediately.

G. Form exposed connections with hairline joints, flush and smooth, using concealed fasteners where possible.

1. Where exposed fasteners are required, use Phillips flat-head (countersunk) screws or bolts unless otherwise indicated.
2. Locate joints where least conspicuous.
3. Fabricate joints that will be exposed to weather in a manner to exclude water.
4. Provide weep holes where water may accumulate internally.

2.4 FABRICATION OF STEEL-FRAMED STAIRS

A. NAAMM Stair Standard: Comply with NAAMM AMP 510, "Metal Stairs Manual," for Commercial Class, unless more stringent requirements are indicated.

B. Stair Framing:

1. Stringers: Fabricate stringers of steel plates.

a. Stringer Size: As required to comply with "Performance Requirements" Article
b. Provide closures for exposed ends of channel and rectangular tube stringers.
c. Finish: Shop primed.

2. Platforms: Construct of steel plate headers and miscellaneous framing members as required to comply with "Performance Requirements" Article.

a. Provide closures for exposed ends of channel and rectangular tube framing.
b. Finish: **Shop primed**

3. Weld stringers to headers; weld framing members to stringers and headers.

C. Metal Pan Stairs: Form risers, subtread pans, and subplatforms to configurations shown from steel sheet of thickness needed to comply with performance requirements, but not less than 0.067 inch (1.7 mm).

2.5 FABRICATION OF STAIR RAILINGS AND GUARDS

A. Comply with applicable requirements in Section 057300 "Decorative Metal Railings."

2.6 FINISHES

A. Finish metal stairs after assembly.

B. Preparation for Shop Priming: Prepare uncoated, ferrous-metal surfaces to comply with SSPC-SP 3, "Power Tool Cleaning."

C. Apply shop primer to uncoated surfaces of metal stair components, except those with galvanized finishes and those to be embedded in concrete or masonry unless otherwise indicated. Comply with SSPC-PA 1, "Paint Application Specification No. 1: Shop, Field, and Maintenance Painting of Steel," for shop painting.

PART 3 - EXECUTION

3.1 INSTALLATION OF METAL PAN STAIRS

A. Fastening to In-Place Construction: Provide anchorage devices and fasteners where necessary for securing metal stairs to in-place construction.

1. Include threaded fasteners for concrete and masonry inserts, through-bolts, lag bolts, and other connectors.

B. Cutting, Fitting, and Placement: Perform cutting, drilling, and fitting required for installing metal stairs. Set units accurately in location, alignment, and elevation, measured from established lines and levels and free of rack.

C. Provide temporary bracing or anchors in formwork for items that are to be built into concrete, masonry, or similar construction.

END OF SECTION 055113

SECTION 078413 - PENETRATION FIRESTOPPING

-Section Added under Addendum #3-

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Penetration firestopping systems.
2. Penetrations in fire-resistance-rated walls.
3. Penetrations in horizontal assemblies.

1.2 ACTION SUBMITTALS

A. Product data.

B. Product Schedule: For each penetration firestopping system. Include location, illustration of firestopping system, and design designation of qualified testing and inspecting agency.

1.3 INFORMATIONAL SUBMITTALS

A. Listed system designs.

1.4 CLOSEOUT SUBMITTALS

A. Installer Certificates: From Installer indicating that penetration firestopping systems have been installed in compliance with requirements and manufacturer's written instructions.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Fire-Test-Response Characteristics:

1. Perform penetration firestopping system tests by a qualified testing agency acceptable to authorities having jurisdiction.
2. Test in accordance with testing standards referenced in "Penetration Firestopping Systems" Article. Provide rated systems complying with the following requirements:

    a. Penetration firestop systems installed with products bearing the classification marking of a qualified testing agency.

1) UL in its online directory "Product iQ."

2.2 PENETRATION FIRESTOPPING SYSTEMS

A. Penetration Firestopping Systems: Systems that resist spread of fire, passage of smoke and other gases, and maintain original fire-resistance rating of construction penetrated. Penetration firestopping systems are to be compatible with one another, with the substrates forming openings, and with penetrating items if any.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. 3M Building and Construction.
b. Hilti, Inc.
c. Tremco Incorporated.

B. Penetrations in Fire-Resistance-Rated Walls: Penetration firestopping systems with ratings determined in accordance with ASTM E814 or UL 1479. Ratings shall match that of existing construction.

C. Penetrations in Horizontal Assemblies: Penetration firestopping systems with ratings determined in accordance with ASTM E814 or UL 1479. Ratings shall match that of existing construction.

D. Accessories: Provide components for each penetration firestopping system that are needed to install fill materials and to maintain ratings required. Use only those components specified by penetration firestopping system manufacturer and approved by qualified testing and inspecting agency for conditions indicated.

PART 3 - EXECUTION

3.1 INSTALLATION OF PENETRATION FIRESTOPPING SYSTEMS

A. Examine substrates and conditions, with Installer present, for compliance with requirements for opening configurations, penetrating items, substrates, and other conditions affecting performance of the Work.

B. General: Install penetration firestopping systems to comply with manufacturer's written installation instructions and published drawings for products and applications. Penetration firestopping shall match the existing assembly rating.

C. Install forming materials and other accessories of types required to support fill materials during their application and in the position needed to produce cross-sectional shapes and depths required to achieve fire ratings.

1. After installing fill materials and allowing them to fully cure, remove combustible forming materials and other accessories not forming permanent components of firestopping.

D. Install fill materials by proven techniques to produce the following results:

1. Fill voids and cavities formed by openings, forming materials, accessories and penetrating items to achieve required fire-resistance ratings.
2. Apply materials so they contact and adhere to substrates formed by openings and penetrating items.
3. For fill materials that will remain exposed after completing the Work, finish to produce smooth, uniform surfaces that are flush with adjoining finishes.

3.2 IDENTIFICATION

A. Penetration Identification: Identify each penetration firestopping system with legible metal or plastic labels. Attach labels permanently to surfaces adjacent to and within 6 inches (150 mm) of penetration firestopping system edge so labels are visible to anyone seeking to remove penetrating items or firestopping systems. Use mechanical fasteners or self-adhering-type labels with adhesives capable of permanently bonding labels to surfaces on which labels are placed. Include the following information on labels:

1. The words "Warning - Penetration Firestopping - Do Not Disturb. Notify Building Management of Any Damage."
2. Contractor's name, address, and phone number.
3. Designation of applicable testing and inspecting agency.
4. Date of installation.
5. Manufacturer's name.
6. Installer's name.

END OF SECTION 078413

SECTION 079200 - JOINT SEALANTS

-Section Added under Addendum #3-

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Silicone joint sealants.
2. Latex joint sealants.

1.2 ACTION SUBMITTALS

A. Product data.

B. Samples: Manufacturer's standard color charts consisting of strips of cured sealants showing the full range of colors available for each product exposed to view.

C. Joint-sealant schedule.

1.3 INFORMATIONAL SUBMITTALS

A. Sample warranties.

1.4 CLOSEOUT SUBMITTALS

A. Warranty Documentation:

1. Manufacturers' special warranties.
2. Installer's special warranties.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: Authorized representative who is trained and approved by manufacturer.

B. Testing Agency Qualifications: Qualified in accordance with ASTM C1021 to conduct the testing indicated.

1.6 WARRANTY

A. Installer's Warranty: Installer agrees to repair or replace joint sealants that do not comply with performance and other requirements specified in this Section within specified warranty period.

1. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 JOINT SEALANTS, GENERAL

A. Compatibility: Provide joint sealants, backings, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by joint-sealant manufacturer, based on testing and field experience.

B. Colors of Exposed Joint Sealants: As selected by Architect from manufacturer's full range.

2.2 SILICONE JOINT SEALANTS

A. Silicone, S, NS, 100/50, T, NT: Single-component, nonsag, plus 100 percent and minus 50 percent movement capability, traffic- and nontraffic-use, neutral-curing silicone joint sealant; ASTM C920, Type S, Grade NS, Class 100/50, Uses T and NT.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. Pecora Corporation.
b. The Dow Chemical Company.

2.3 LATEX JOINT SEALANTS

A. Acrylic Latex: Acrylic latex or siliconized acrylic latex, ASTM C834, Type OP, Grade NF.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following, or equal:

a. Pecora Corporation.
b. Tremco Incorporated.

2.4 JOINT-SEALANT BACKING

A. Sealant Backing Material, General: Nonstaining; compatible with joint substrates, sealants, primers, and other joint fillers; and approved for applications indicated by sealant manufacturer based on field experience and laboratory testing.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. Alcot Plastics Ltd.
b. Construction Foam Products; a division of Nomaco, Inc.
c. Master Builders Solutions, brand of MBCC Group, a Sika company.

B. Cylindrical Sealant Backings: ASTM C1330, Type C (closed-cell material with a surface skin), Type O (open-cell material), Type B (bicellular material with a surface skin) or any of the preceding types, as approved in writing by joint-sealant manufacturer for joint application indicated, and of size and density to control sealant depth and otherwise contribute to producing optimum sealant performance.

C. Bond-Breaker Tape: Polyethylene tape or other plastic tape recommended by sealant manufacturer for preventing sealant from adhering to rigid, inflexible joint-filler materials or joint surfaces at back of joint. Provide self-adhesive tape where applicable.

2.5 MISCELLANEOUS MATERIALS

A. Cleaners for Nonporous Surfaces: Chemical cleaners acceptable to manufacturers of sealants and sealant backing materials, free of oily residues or other substances capable of staining or harming joint substrates and adjacent nonporous surfaces in any way, and formulated to promote optimum adhesion of sealants to joint substrates.

B. Masking Tape: Nonstaining, nonabsorbent material compatible with joint sealants and surfaces adjacent to joints.

PART 3 - EXECUTION

3.1 PREPARATION

A. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants to comply with joint-sealant manufacturer's written instructions and the following requirements:

1. Remove all foreign material from joint substrates that could interfere with adhesion of joint sealant, including dust, paints (except for permanent, protective coatings tested and approved for sealant adhesion and compatibility by sealant manufacturer), old joint sealants, oil, grease, waterproofing, water repellents, water, surface dirt, and frost.

2. Clean porous joint substrate surfaces by brushing, grinding, mechanical abrading, or a combination of these methods to produce a clean, sound substrate capable of developing optimum bond with joint sealants. Remove loose particles remaining after cleaning operations above by vacuuming or blowing out joints with oil-free compressed air.

3. Remove laitance and form-release agents from concrete.
4. Clean nonporous joint substrate surfaces with chemical cleaners or other means that do not stain, harm substrates, or leave residues capable of interfering with adhesion of joint sealants.

B. Joint Priming: Prime joint substrates where recommended by joint-sealant manufacturer or as indicated by preconstruction joint-sealant-substrate tests or prior experience. Apply primer to comply with joint-sealant manufacturer's written instructions. Confine primers to areas of joint-sealant bond; do not allow spillage or migration onto adjoining surfaces.

C. Masking Tape: Use masking tape where required to prevent contact of sealant or primer with adjoining surfaces that otherwise would be permanently stained or damaged by such contact or by cleaning methods required to remove sealant smears. Remove tape immediately after tooling without disturbing joint seal.

3.2 INSTALLATION OF JOINT SEALANTS

A. General: Comply with joint-sealant manufacturer's written installation instructions for products and applications indicated, unless more stringent requirements apply.

B. Sealant Installation Standard: Comply with recommendations in ASTM C1193 for use of joint sealants as applicable to materials, applications, and conditions indicated.

C. Install sealant backings of type indicated to support sealants during application and at position required to produce cross-sectional shapes and depths of installed sealants relative to joint widths that allow optimum sealant movement capability.

1. Do not leave gaps between ends of sealant backings.
2. Do not stretch, twist, puncture, or tear sealant backings.
3. Remove absorbent sealant backings that have become wet before sealant application, and replace them with dry materials.

D. Install sealants using proven techniques that comply with the following and at the same time backings are installed:

1. Place sealants so they directly contact and fully wet joint substrates.
2. Completely fill recesses in each joint configuration.
3. Produce uniform, cross-sectional shapes and depths relative to joint widths that allow optimum sealant movement capability.

E. Tooling of Nonsag Sealants: Immediately after sealant application and before skinning or curing begins, tool sealants in accordance with requirements specified in subparagraphs below to form smooth, uniform beads of configuration indicated; to eliminate air pockets; and to ensure contact and adhesion of sealant with sides of joint.

1. Remove excess sealant from surfaces adjacent to joints.
2. Use tooling agents that are approved in writing by sealant manufacturer and that do not discolor sealants or adjacent surfaces.
3. Provide concave joint profile in accordance with Figure 8A in ASTM C1193 unless otherwise indicated.

F. Clean off excess sealant or sealant smears adjacent to joints as the Work progresses by methods and with cleaning materials approved in writing by manufacturers of joint sealants and of products in which joints occur.

G. Protect joint sealants during and after curing period from contact with contaminating substances and from damage resulting from construction operations or other causes so sealants are without deterioration or damage at time of Substantial Completion. If, despite such protection, damage or deterioration occurs, cut out, remove, and repair damaged or deteriorated joint sealants immediately so installations with repaired areas are indistinguishable from original work.

END OF SECTION 079200

SECTION 083123 - FLOOR DOORS

-Section Added under Addendum #3-

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Steel floor doors.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

1.3 CLOSEOUT SUBMITTALS

A. Record Documents: For fire-rated floor doors, list of applicable room name and number in which floor door is located.

1.4 QUALITY ASSURANCE

A. Fire-Rated Door Inspector Qualifications: Inspector for field quality control inspections of fire-rated door assemblies shall meet the qualifications set forth in NFPA 80, Section 5.2.3.1 and the following:

   1. Door and Hardware Institute Fire and Egress Door Assembly Inspector (FDAI) certification.

PART 2 - PRODUCTS

2.1 STEEL FLOOR DOORS

A. Gutter Channel Frame Steel Floor Door:

B. Manufacturer: Bilco Company, or equal

C. Type: TRD Floor Access Door
   1. Door: Double leaf; manufacturer's standard thickness with recess for flooring material steel plate. General Contractor shall verify existing sizes to be provided.

D. Performance characteristics:

1. Covers: Shall be reinforced to support a minimum live load of 150 psf (732kg/m2) with a maximum deflection of 1/150th of the span.
2. Operation of the covers shall be smooth and easy with controlled operation throughout the entire arc of opening and closing.
3. Operation of the covers shall not be affected by temperature.

E. Covers shall have a 1" (25mm) fillable pan to receive concrete or a combination of concrete and Portland cement terrazzo flooring. All fill material to be furnished and installed by others in the field.

F. Frame: Shall be extruded aluminum with full anchor flange around the perimeter.

G. Lifting mechanisms: Manufacturer shall provide the required number and size of compression spring operators enclosed in telescopic tubes to provide, smooth, easy, and controlled cover operation throughout the entire arc of opening and to act as a check in retarding downward motion of the cover when closing. The upper tube shall be the outer tube to prevent accumulation of moisture, grit, and debris inside the lower tube assembly. The lower tube shall interlock with a flanged support shoe fastened to a formed 1/4" (6mm) gusset support plate.

H. A removable exterior turn/lift handle with a spring loaded ball detent shall be provided to open the and the latch release shall be protected by a flush, gasketed, removable screw plug.

I. Hardware:
1. Hinges: Shall be a continuous heavy duty Type 316 stainless steel hinge that is accessible only when the cover is in the open position.
2. Covers shall be equipped with an aluminum hold open arm that automatically locks each cover in the open position.
3. Covers shall be fitted with the required number and size of compression spring operators.
4. A Type 316 stainless steel snap lock with fixed handle shall be mounted on the underside of the covers.
5. Hardware: Compression spring tubes shall be an anti-corrosive composite, all fasteners shall be Type 316 stainless steel material, and all other hardware shall be zinc plated and chromate sealed. [For installation in highly corrosive environments or when prolonged exposure to hot water or steam is anticipated, specify Type 316 stainless steel hardware].

J. Finishes: Factory finish shall be mill finish aluminum with bituminous coating applied to the exterior of the frame.

2.2 FABRICATION

A. General: Provide floor doors manufactured as integral units ready for installation.

B. Metal Surfaces: For metal surfaces exposed to view in the completed Work, provide materials with smooth, flat surfaces without blemishes. Do not use materials with exposed pitting, seam marks, roller marks, rolled trade names, or roughness.

C. Grind exposed welds smooth and flush with adjacent surfaces. Furnish attachment devices and fasteners of type required to secure floor doors to types of supports indicated.

D. Latching Mechanisms: Furnish number required to hold doors in flush, smooth plane when closed.

1. For cylinder locks, furnish two keys per lock and key all locks alike.
2. For recessed panel doors, provide access sleeves for each locking device. Furnish plastic grommets and install in holes cut through finish.

E. Aluminum: After fabrication, apply manufacturer's standard protective coating on aluminum that comes in contact with concrete.

2.3 FINISHES

A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

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

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

D. Hot-dip galvanize items as indicated to comply with ASTM A153/A153M for steel and iron hardware and with ASTM A123/A123M for other steel and iron products.

E. Prime Painted Steel: Apply manufacturer's standard, lead- and chromate-free, universal primer immediately after surface preparation and pretreatment.

F. Stainless Steel Finish: Bright, cold-rolled, unpolished ASTM A480/A480M No. 2B finish.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

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

3.2 INSTALLATION

A. Install products in strict accordance with manufacturer’s instructions and approved submittals. Locate units level, plumb, and in proper alignment with adjacent work.

1. Test units for proper function and adjust until proper operation is achieved.
2. Repair finishes damaged during installation.
3. Restore finishes so no evidence remains of corrective work.

3.3 ADJUSTING AND CLEANING

A. Clean exposed surfaces using methods acceptable to the manufacturer which will not damage finish.

3.4 METHOD OF MEASUREMENT

A. Floor doors shall be measured by each unit completed. The following items shall be included, but not limited to, the price of each unit: floor doors as indicated in plans.

3.5 BASIS OF PAYMENT

A. The accepted quantity of floor doors will be paid for at the contract unit price, each, complete and in place. The price shall be full compensation for furnishing all materials and in preparation and placing of materials, furnishing and installation of any and all appurtenances and connections, and other structures as may be required to complete the work as shown on the plans and for all labor, equipment, tools, and incidentals to complete the work.

END OF SECTION 083123

SECTION 09 05 61 COMMON WORK RESULTS FOR FLOORING PREPARATION

-Section Added under Addendum #3-

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes general requirements for flooring preparation, installation and temporary protection.

1. Prepare substrates to receive flooring as required to ensure specified tolerance level for finish surface of all work required by this subcontract. Preparation work includes patching, smoothing and leveling substrate, including:

   a. Grinding down high spots of substrate.

   b. Providing Portland cement-based latex underlayment (filler).

2. Provide independent testing laboratory services to perform relative humidity, moisture vapor emission, and pH tests on in situ concrete slabs, which shall be in addition to testing as may be performed by Owner.

1.2 RELATED REQUIREMENTS

A. Section 01 74 19 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL: Procedural and administrative requirements for construction and demolition recycling.

1.3 REFERENCES

A. Referenced Standards: Comply with applicable requirements of the following standards and those others referenced in this Section, under the provisions of Section 01015 – Abbreviations, Definitions, and Terminology. The standards referenced herein are included to establish recognized minimum quality only. Where these standards conflict with other specified requirements, the most restrictive requirements shall govern. Equivalent quality and testing standards will be acceptable, subject to their timely submission, review and acceptance by the Architect.

1. ASTM F710 - Preparing Concrete Floors to Receive Resilient Flooring.

2. ASTM F1869 – Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.

3. All applicable federal, state and municipal codes, laws and regulations regarding flammability and smoke generation of interior finishes.

1.4 ADMINISTRATIVE REQUIREMENTS

A. Coordination:

1. General: Coordinate flooring work with the respective trades responsible for installing interfacing and adjoining work for proper sequence of installation, and ensure that the work performed hereunder is acceptable to such trades for the installation of their work.

B. Sequencing:

1. Field Measurements

a. Take field measurements before preparation of shop drawings and fabrication, where possible, to ensure proper fitting of Work.

b. Allow for adjustments within specified tolerances wherever taking of field measurements before fabrication might delay Work.

2. Ensure that installation of flooring and accessories occurs after other finishing operations, including painting.

1.5 RELATIVE HUMIDITY, MOISTURE VAPOR EMISSION AND ACIDITY/ALKALINITY (PH)TESTING

A. Concrete slabs and floors:

1. Resilient Flooring Filed Subcontractor shall employ and pay for services of an independent testing laboratory to perform relative humidity, moisture vapor emission, and pH tests on concrete slabs as follows. The test shall be witnessed by the Contractor, and Owner's Project Manager.

a. Relative Humidity, Moisture Vapor Emission and pH Testing on all concrete slabs over-which a finished floor is to be installed. This includes, but is not limited to:

1) Carpeting.

b. Perform moisture and pH tests on all concrete floors over-which stone flooring is to be applied.

2. Requirements: As specified under Part 3 of this Section.

a. Submit 1 copy of test data to the installers of all flooring materials or coating materials scheduled to be installed.

b. Provide additional testing in the event test results indicate higher moisture content than recommended by the flooring material and coating material manufacturers for the installation of their products. Perform such additional testing, at no additional cost to the Owner, after procedures have been performed to reduce moisture content to ratings acceptable to the various flooring and coating manufacturers.

PART 2 - PRODUCTS

2.1 PATCHING AND FILLING COMPOUNDS

A. Filler for patching, smoothing and leveling subfloors and underlayments: Portland cement-based latex underlayment acceptable to flooring manufacturer, equal to the following:

1. Ardex, Inc., products “Feather Flash” and “Ardex SD-P”.

2. Quikrete Companies, product “Fast-Set Underlayment 1248”.

3. Silpro Masonry Systems Inc., product “Profinish”.

2.2 ADHESIVES

A. Adhered flooring systems general requirements for adhesives (except as otherwise specified in individual Specification Sections):

1. General Flooring Adhesives: High moisture resistant and alkali resistant adhesive: Synthetic Polymer, non-flammable in wet state, with NFPA, Class A rated, VOC compliant, capable of withstanding the following in continuous service:

a. Up to <u>95% RELATIVE HUMIDITY</u> when measured in accordance with ASTM F2170 – Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in-situ Probes.

b. Up to 8 lbs./1000 sq. ft./ 24 hours MVER when measured in accordance with ASTM F1869 - Standard Test Method for Measuring Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.

c. VOC content: Less than 50 g/L.

2. Acceptable adhesives, include the following, or approved equal, (subject to acceptance of flooring manufacturer for performance and compliance with warranty requirements, for each type of floor system specified):

a. Advanced Adhesive Technology Inc., Dalton GA. Adhesive: “AAT-Go2 Adhesiver” (maximum 95% RH / 8pounds MVER).

b. Armstrong World Industries, Inc., Flooring Division, Lancaster PA., adhesive: “S-515” (maximum 95% RH / 5 pounds MVER).

c. DriTac Corp., Clifton NJ., adhesive: “5900 Mega Bond” (maximum 99% RH / 8 pounds MVER).

d. W.W. Henry Company (Ardex), Aliquippa PA. adhesive: “695 High RH Vinyl Flooring Adhesive” (maximum 95% RH / 3 pounds MVER).

e. Mapei Corporation, Elk Grove IL Adhesive: “Ultrabond ECO 711” (maximum 95% RH / 8 pounds MVER).

f. Mowhawk Group, Dalton, GA.

1) Adhesive: “Aquaflex M100Plus” (maximum 100% RH)

2) Adhesive: “Aquaflex M99” (maximum 95% RH)

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify that spaces to receive flooring finishes are suitable for installation. Do not proceed with work until unsatisfactory conditions are corrected. Comply with manufacturer's recommendations including the following:

1. Substrates shall be dry and clean.

2. Substrates shall be free of depressions, raised areas, or other defects which would telegraph through installed flooring.

3. Verify concrete substrates have a flat tolerance of 3/16" in ten linear feet.

4. Temperature of resilient flooring and substrate shall be within specified tolerances.

5. Moisture condition and adhesive bond tests shall be performed as specified herein.

B. For applications on concrete, verify curing, hardening, or breaking compounds have not been used. If there are any, do not proceed until compounds have been removed as specified.

C. For applications on concrete slab on grade or below grade, verify vapor barrier below slab was installed. If no vapor barrier was installed, do not proceed with work unless written acceptance of such conditions is received and submitted.

D. Perform testing of in situ concrete, relative humidity and surface pH testing to all concrete slabs specified to be covered with floor coverings or resinous

coatings as specified herein. Do not proceed with work until results of moisture condition tests are acceptable.

3.2 PREPARATION

A. General: Comply with flooring manufacturer's requirements for preparation of substrate to receive resilient flooring.

B. Vacuum clean substrate, and ensure that substrate is dry, clean and smooth prior to application of flooring.

C. Remove, by light sanding and grinding, all protruding edges, high spots.

D. Ensure substrate is flat to a plus or minus 1/8 inch in 10 feet tolerance. Fill minor or local low spots, cracks, joints, holes, and other defects with subfloor filler to achieve smooth, flat, hard surface. Prohibit traffic until filler is cured.

E. Ensure that substrate is free from paint, varnish, wax, oil or other foreign matter.

F. Apply primers as recommended by adhesive manufacturer's written instructions.

G. Condition flooring materials, accessories and adhesives to room temperatures for a period of 48 hours minimum.

3.3 TESTING IN SITU CONCRETE SUBSTRATES

A. Scope:

B. Scheduling:

1. Testing shall take place after allowing concrete to dry for a minimum of 90 days. Testing to be scheduled no less than one, nor more than three weeks prior to scheduled flooring installation.

   a. DO NOT conduct testing unless the slab environment is identical to that In which the finished flooring Is to be installed.

2. In the event new flooring is to be installed over existing resilient flooring, remove the portion of the existing flooring and adhesive directly under the area where testing will be conducted. Patch flooring to match existing construction after completion of testing.

C. Test result submittals:

1. Report all test results in chart form listing test dates, time, depth of test well, in situ temperature, relative humidity, moisture vapor and pH levels.

2. List test locations on chart and show same on marked up Floor Plan Drawings.

3. Submit results In duplicate. Deliver copies directly to Architect, Owner's Project Representative and General Contractor.

D. Testing equipment: shall be equal to the following

1. For relative humidity testing:

   a. Digital Meter and Calibrated Humidity and Temperature probe kit as manufactured by Vaisala Inc. (Boston Office) 10D Gill Street, Woburn, MA, 01801 (telephone 781-933-4500).

      1) Minimum 2 point probe calibration.

2. For calcium chloride testing:

   a. Anhydrous calcium chloride testing in accordance with Rubber Manufacturer's Association (RMA) Test requirements.

   b. Test kits: Vaprecision, inc. 2941 West MacArthur Boulevard, Suite 135. Santa Ana, CA 92704 (telephone 800-449-6194).

3. For pH testing:

   a. pH test paper by Micro Essential Laboratory, Inc., P.O. Box 100824 4224 Avenue “H”, Brooklyn, NY 11210.

   b. Distilled or de ionized water.

E. Testing Procedures Quantification of Relative Humidity

1. The test site should be maintained at the same temperature and humidity conditions as those anticipated during normal occupancy. These temperature and humidity levels should be maintained for 48 hours prior and during test period. If meeting the criteria is not possible, then minimum conditions should be 75 degrees F (plus or minus 10 degrees F), and 50 percent (plus or minus 10 percent) relative humidity. When a building is not under HVAC control, a recording hygrometer or data logger shall be in place recording conditions during the test period. A transcript of this information must be Included with the test report.

2. The number of In situ relative humidity test sites is determined by the square footage of the facility. The minimum number of tests to be placed is equal to 3 in the first 1,000 square feet and 1 per each additional 1,000 square feet.

3. Drill test holes utilizing a rotary hammer drill. Hole diameter shall not exceed outside diameter of test sleeve by more than 0.04 inch. Drilling operation must be dry. Determine the thickness of the concrete slab from Construction Documents. Depths of test holes shall be as follows:

   a. For elevated slabs (not poured in pans): Drill test holes to a depth equal to 20 percent of the concrete thickness.

   b. For slabs on grade and elevated slabs in pans: Drill test holes to a depth equal to 40 percent of the concrete thickness.

4. Vacuum all concrete dust from test hole.

5. Insert a hole liner, or sleeve, to the full depth of test hole, assuring that the liner is capped or plugged at the end protruding from the concrete surface.

6. Permit the test site to acclimate, or equilibrate, for 72 hours prior to taking relative humidity readings.

7. Remove the sleeve plug and place a probe into the sleeve assuring that it reaches the bottom of the test hole.

8. Allow the probe to sit in the test sleeve for 30 minutes before taking readings.

9. Read and record temperature and relative humidity at the test site.

F. Testing Procedures - Quantification of Concrete Moisture Vapor Emission through Calcium Chloride Testing.

1. The test site should be maintained at the same temperature and humidity conditions as those anticipated during normal occupancy. These temperature and humidity levels should be maintained for 48 hours prior and during test period. If meeting this criteria is not possible, then minimum conditions should be 75 degrees F (plus or minus 10 degrees F) and 50 percent relative humidity (plus or minus 10 percent). When a building is not under HVAC control, a recording hygrometer or data logger shall be in place recording conditions during the test period. A transcript of this information must be included with the test report.

2. The number of vapor emission test sites is determined by the square footage of the facility. The minimum number of tests to be placed is equal to 3 In the first 1.000 square feet and I per each additional 1,000 square feet.

3. Tests sites are to be cleaned of all adhesive residue, curing compounds, paints, sealers, floor coverings, and similar materials. 24 hours prior to the placement of test kits.

4. Weigh test dish on site prior to start of test. Scale must report weight to 0.1 grams. Record weight and start time.

5. Expose Calcium Chloride and set dish on concrete surface.

6. Install test containment dome and allow test to proceed for 60 to 72 hours.

7. Retrieve test dish by carefully cutting through containment dome. Close and reseal test dish.

8. Weigh test dish on site recording weight and stop time.

9. Calculate and report results as pounds of emission per 1,000 square feet per 24 hours."

G. Testing Procedures Quantification of Acidity/Alkalinity (pH) Level

1. At or near the relative humidity test site and each vapor emission (calcium chloride) test site, perform pH test.

   a. At each testing site, lay down a loose 2 foot by 2 foot sheet of non perforated sheet backed by plywood. Leave in place for 48 hours.

   b. Remove sheet and place several drops of distilled or de ionized water onto the concrete surface to form a puddle approximately 1 inches in diameter.

   c. Allow the water to set for approximately 60 seconds.

   d. Dip the pH paper into the water and remove immediately, compare color to chart provided by paper supplier to determine pH reading

2. Record and report results.

H. Testing Procedures:

1. Initial testing: Provide 3 tests for the first 1,000 square feet.

2. Add one test for each additional 1,000 square feet.

3. Concrete surface area to be tested shall be completely clean. Remove all adhesives, residue, debris and sealing compounds. Remove all dust by vacuum or other methods. Do not use chemicals of any kind to clean concrete.

4. Perform moisture tests in strict accordance with the kit manufacturer's Instructions. Moisture tests shall remain undisturbed for 60 to 72 hours.

5. Immediately after moisture test has been removed from test area, conduct pH test in area previously covered by plastic dome of moisture test kit.

6. After completion of tests submit 2 copies of test data to the Architect. Submit a copy of the test data to all installers of flooring materials and resinous flooring materials scheduled to be installed.

7. Provide additional testing in the event test results indicate higher moisture content than recommended by the flooring material and coating material manufacturers for the installation of their products. Perform such additional testing, at no additional cost to the Owner, after procedures have been performed to reduce moisture content to ratings acceptable to the various flooring and coating manufacturers.

3.4 FLOOR PREPARATION – GENERAL REQUIREMENTS

A. General: Comply with ASTM F 710-92 and manufacturer's recommendations for surface preparation. Remove substances incompatible with resilient flooring adhesive by method acceptable to manufacturer.

1. Concrete floors with steel troweled (slick) finish shall be properly roughened up (sanded) to ensure suitable adhesion.

B. Fill voids, cracks, and depressions with trowel-applied leveling compounds acceptable to manufacturer. Remove projections and repair other defects to tolerances acceptable to manufacturer.

C. Vacuum subfloors immediately prior to installation to remove loose particles.

3.5 ADHESIVE BOND TESTING

A. Use the specified flooring and recommended adhesive, install approximately 3 by 3 foot sized flooring as specified under individual flooring specification sections. Install test samples approximately 50 feet apart throughout the area. Areas next to walls or other light traffic areas should be selected for the bond test. Tape down the perimeter of the flooring to prevent drying of the adhesive at the edges. After a minimum period of 72 hours the flooring should be pulled from the subfloor. If an unusual amount of force is required, the bond could be considered sufficient. Floors demonstrating unsuitable bond to substrate require modifications to flooring installation and may require application of moisture mitigation products. Review all conditions with Architect/Engineer.

3.6 PROTECTION

A. Provide protection of completed flooring areas from construction traffic until Substantial Completion of the General Contract. Cover all floor surfaces with heavyweight kraft paper and overlay with red-rosin paper, taping the edges to maintain position of the protection paper. Reapply papers to maintain floor protection.

END OF SECTION 09 05 61

SECTION *099623 – RESINOUS MATRIX* TERRAZZO FLOORING

-Section Revised under Addendum #3-

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
1. Thin-set epoxy terrazzo flooring including preparation of substrates.
2. Thin-set precast epoxy terrazzo tread or tread & riser units.
3. Thin-set precast epoxy terrazzo wall base units.
4. Related accessories.

1.2 ACTION SUBMITTALS

A. Manufacturer's product data for each type of terrazzo and accessory. System will be evaluated on the basis of standards. For tests not listed in published data, manufacturer shall supply missing data according to standard referenced:

1. Physical properties.
2. Performance properties.
3. Specified tests.
4. Material Safety Data Sheet.
5. Manufacturer's standard warranty.

B. Shop Drawings. Include terrazzo installation requirements. Include plans, elevations, sections, component details and attachments to other work. Show layout of the following:

1. Divider strips.
2. Control and expansion joint strips.
3. Base and border strips.
4. Abrasive strips.
5. Stair treads, risers and landings.
6. *Epoxy* terrazzo jointing and edge configurations including anchorage details.
7. Terrazzo patterns.

C. Samples for initial selection from manufacturers color plates showing the full range of colors and patterns available for each terrazzo type indicated.

D. Samples for Verification: Match architect's samples for each type, material, color and pattern of terrazzo and accessory required showing the full range of color, texture and pattern variations expected. Label each terrazzo sample to identify matrix color and aggregate types, sizes and proportions. Prepare samples of same thickness and from same material to be used for the work in size indicated below:
1. Epoxy terrazzo: minimum 6" x 6" (152.4 mm x 152.4 mm) sample of each color and type of terrazzo.

2. Accessories: 6” length (152.4 mm) of each kind of divider strip, stop strip and control joint strip required.
3. Stair Treads: 12” length (304.8 mm) wide sample combination tread/riser with cast-in nosing.

E. Manufacturer Experience:
1. Submit proof of five years history of associate membership in NTMA.
2. Furnish a list of at least five (5) epoxy terrazzo projects using material being submitted for this project installed during the last five (5) years of the same scope, complexity and at least 50 percent of the square footage.

F. Qualification Data: For qualified installer.
1. Submit proof of five years history of contractor membership in NTMA.
2. Furnish a list of at least five (5) epoxy terrazzo projects using material being submitted for this project installed during the last five (5) years of the same scope, complexity and at least 50 percent of the square footage.

G. Material Test Reports: For moisture and/or relative humidity of substrate.

H. Maintenance Data: Submit one (1) copy of NTMA maintenance recommendations and one (1) copy of manufacturer’s instructions

1.3 QUALITY ASSURANCE

A. Installer Qualifications: A qualified installer who is acceptable to architect and epoxy terrazzo manufacturer to install manufacturer’s products.
1. Engage a terrazzo contractor with at least ten (10) years of satisfactory experience in installation of epoxy terrazzo. Terrazzo contractor shall demonstrate experience during last five (5) years of at least five (5) projects of comparable scope and complexity of at least 50 percent of the total square footage of this project
2. Engage an installer who is a contractor member of NTMA.
3. Preapproved terrazzo installers:
   a. Depaoli Mosaic Company, Canton, MA.
   b. Roman Mosaic and Tile Company, Quincy, MA.

B. Source Limitations:
1. Engage an epoxy manufacturer with at least ten (10) years of satisfactory experience manufacturing epoxy terrazzo, moisture treatment system and crack isolation membrane.
2. Obtain primary Epoxy Terrazzo Flooring System materials including moisture treatment, membranes, primers, resins and hardening agents from a single manufacturer with proof of NTMA membership.
3. Obtain aggregates, divider strips, sealers and cleaners from source recommended by primary materials manufacturer.

C. Pre-installation Conference: Conduct conference at project site to comply with requirements in Section 01200 – Project Meetings. Review methods and procedure related to terrazzo including, but not limited to, the following:
1. Inspect and discuss installation procedures, joint details, job site conditions, substrate specification, vapor barrier details and coordination with other trades.
2. Review and finalize construction schedule, phasing plans, and verify availability of materials, installer’s personnel, equipment and facilities needed to make progress and avoid delays.
3. Review special terrazzo designs and patterns.

4. Review plans for concrete curing and site drying to enable timely achievement of suitable slab moisture conditions.

D. NTMA Standards: Comply with NTMA's "Terrazzo Specifications and Design Guide" and with written recommendations for terrazzo type indicated unless more stringent requirements are specified.

E. Mock-ups: Build mock-ups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
   1. Build mock-ups for terrazzo including accessories.
      a. Size: Minimum 100 sq. ft. (9.3 sq. m) of typical poured-in-place flooring and base condition for each color and pattern in locations directed by architect
   2. Approved mockups may become part of the completed work if undisturbed at time of substantial completion.

1.4 CLOSEOUT SUBMITTALS

A. Maintenance data.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials to project site in supplier's original wrappings and containers labeled with source's or manufacturer's name, material or product brand name and lot number if any.

B. Store materials in their original, undamaged packages and containers inside a well-ventilated area protected from weather, moisture, soiling, extreme temperatures and humidity.
   1. Storage temperatures should be between 50ºF to 80ºF (10.0ºC to 26.6ºC).

1.6 PROJECT CONDITIONS

A. Prior to surface preparation, terrazzo contractor shall:
   1. Evaluate slab condition, including slab moisture content and extent of repairs required, if any.
   2. Maintain the ambient room and floor temperature at 60ºF (15.5ºC) or above for a period extending 72 hours before, during and after floor installation. Concrete to receive epoxy terrazzo shall have cured for at least 28 days and be free of all curing compounds. Test concrete substrate to determine acceptable moisture levels prior to installation. Testing should be conducted according to ASTM F2170 (determining relative humidity in concrete slabs using in situ probes). Proceed with installation only after substrates have a maximum relative humidity measurement reading less than 80%. If relative humidity measurement reading is greater than or equal to 80%, manufacturer's Moisture Vapor Treatment is required. Apply to terrazzo substrates according to manufacturer's instructions.

B. Prior to and during each day of installation, the terrazzo contractor shall verify that the dew point is at least 5ºF (-15ºC) less than the slab and air temperature.

C. Acceptable Substrates:
   1. Level tolerance: Concrete sub-floor shall be level with a maximum variation from level of 1/4" in 10 feet (6.4 mm in 3.1m). Any irregularity of the surface requiring patching and/or leveling shall be done using epoxy and sand fill as recommended by manufacturer.

2. Concrete floor shall be prepared mechanically by shot blasting in accordance with ICRI Guideline No. 03732. Specifically, surface preparation results should achieve a CSP3-CSP5 profile.
3. Concrete floor shall receive a steel trowel finish.
4. Concrete shall be cured a minimum of 28 days. No curing agents are to be used in areas to receive terrazzo.
5. Concrete slab shall have an efficient moisture vapor barrier (suggested minimum: 15 mils (.4 mm thickness)) directly under the concrete slab. Moisture barrier shall NOT be punctured.
6. Saw cutting of control joints must be done between 12 and 24 hours after placement of the structural concrete and at a frequency compatible to ACI recommendations.

D. Provide permanent lighting or, if permanent lighting is not in place, simulate permanent lighting conditions during terrazzo installation.

Provide protection from other trades prior to final acceptance by owner.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. NTMA Standards: Comply with NTMA's written recommendations for terrazzo type indicated unless more stringent requirements are specified.

2.2 EPOXY TERRAZZO

A. Products: Systems Overview: The basis of design is Terroxy® Resin Systems Epoxy Matrix by Terrazzo & Marble Supply Companies, Wheeling, IL (www.tmsupply.com). Acceptable equals below.
   1. Crossfield Products Corp., Dex-o-Tex Division; Dex-O-Tex Cheminert Terrazzo; Ranco Dominguez, CA.
   2. TEC Systems

B. Materials:

   1. Primer: Primer
   2. Moisture Vapor Treatment: Moisture Vapor Treatment (MVT).
      a. Contractor to include MVT for all slabs on-grade, light weight concrete and green concrete. MVT System must handle up to 99% R.H. in accordance with MVT Testing.
      b. Physical properties of moisture mitigating primer shall have a maximum of 0.3 perms with 100% RH.

   3. Flexible Reinforcing Membrane: Crack Isolation Epoxy Membrane, for substrate crack preparation and reflective crack reduction.
      a. Reinforcement: fiberglass scrim (optional).
      ~~*b. Contractor to include 10% of the total square footage in lineal feet for random crack detailing and repair.*~~
      c. For lightweight concrete conditions, contractor to carry full coverage membrane.

4. Epoxy Matrix: Epoxy Matrix and in color required for mix indicated.
   a. Physical properties without aggregates. All specimens cured for 7 days at 73-77ºF (22.8-25¬ ºC) and 50 percent plus or minus 2 percent RH. This product shall meet the following requirements:

      Hardness: ASTM D—2240 using Shore-D Durometer
      a. NTMA requirement: 60-85
      b. Terroxy typical result: 75-85

      Tensile Strength: ASTM D-638
      a. NTMA requirement: 3,000 psi min.
      b. Terroxy typical result: 4,800 psi min.

      Compressive Strength: ASTM-D695 Specimen B Cylinder
      a. NTMA Requirement: 10,000 psi min., 69.9 MPa
      b. Terroxy Typical result: 12,000 psi min,. 31.7 MPa

      Flexural Strength: ASTM D-790
      a. NTMA Requirement: Not specified
      b. Terroxy Typical result: 4,500 psi min., 31.7 MPa

      Chemical Resistance: ASTM D-1308, seven days at room temperature by immersion method
      a. NTMA requirement: No deleterious effects: distilled water, mineral oil, isopropanol, ethanol, 0.025 detergent solution, 1% soap solution, 10% sodium hydroxide, 10% hydrochloric acid, 30% sulfuric acid, 5% acetic acid
      b. Terroxy typical result: No deleterious effects: distilled water, mineral oil, isopropanol, ethanol, 0.025 detergent solution, 1% soap solution, 10% sodium hydroxide, 10% hydrochloric acid, 30% sulfuric acid, 5% acetic acid

   b. Physical properties with aggregates. For Epoxy Matrix blended with three volumes of Valders marble blended 60% #1 chip and 40% #0 chip, ground and grouted with epoxy resin according to Installation Specifications, finishing to a nominal 3/8” (9.5 mm) thickness. All specimens cured for 7 days at 73-77ºF (22.8-25ºC) and 50 percent RH plus or minus 2 percent RH. This finished Epoxy Matrix shall meet the following requirements:

      Flammability: ASTM D-635
      a. NTMA Requirement: Self-extinguishing, extent of burning 0.25 inches max.
      b. Terroxy typical result: Self extinguishing, extent of burning 0.25 inches max.

      Thermal Coefficient of Linear Expansion: ASTM D-696
      a. NTMA Requirement: 25x10-6 inches per inch per degrees to 140ºF, 11.4 x 10-7 cm per cm per ºC to 60ºC Max

b. Terroxy typical result: 25x10-6 inches per inch per degrees to 140ºF, 11.4 x 10-7 cm per cm per ºC to 60ºC Max

Bond Strength: ACI COMM 403, Bulletin 59-43 (pages 1139-1141)

a. NTMA Requirement: 300 psi (100% concrete failure), 2.1 MPa (100% concrete failure
b. Terroxy typical result: 300 psi (100% concrete failure), 2.1 MPa (100% concrete failure)

Critical Radiant Flux: ASTM E-648

a. Terroxy typical result: 1.0 watts/cm2

Fire Rating- Test for Surface Burning Characteristics of Flooring: CAN/ULC S102.2-10 Tunnel Test

a. Terroxy typical result: Smoke Developed Classification (SDC) – 175; Flame Spread Rating (FSR) - 5

5. Aggregates: Marble; complying with NTMA gradation standards for mix indicated and containing no deleterious or foreign matter.

   a. Abrasion and Impact Resistance: Less than 40 percent loss per ASTM C 131.
   b. 24-Hour Absorption Rate: Less than 0.74 percent.
   c. Dust Content: Less than 1.0 percent by weight.

6. Finishing Grout: Epoxy Matrix or Clear Resin with a broadcast of limestone filler as recommended by manufacturer.

C. Mix: Comply with NTMA's "Terrazzo Specifications and Design Guide" and manufacturer's written instructions for matrix and aggregate proportions and mixing.

1. Color and pattern schedule: Where the following designations are indicated, provide specified terrazzo matrices matching architect's samples from Terrazzo and Marble Supply Co.:
   a. TZ-01: Cream – TM#24-1339
   b. TZ-02: Taupe – *TM#24-1689*
   c. TZ-03: Gray – TM#24-1337
   d. TZ-04: Black – TM#24-1338
   e. TZ-05: Green – TM#24-1336V
   f. TZ-06: Burgundy – TM#24-1071V
   g. TZ-07: Precast Tread/Riser – To be selected
   h. TZ-08: Precast Base – To be selected

2.3 STRIP MATERIALS

A. Thin-set Divider Strips: L-type.
   1. Basis of Design Manufacturer: Terrazzo & Marble Supply
   2. Artwork and Pattern Stips: Creative Edge using StencilTek and FrameTek
   3. Material: Brass

4. Depth: 5/8”
5. Top width: 1/8”, and ¼”
6. Guide for commonly used L-type divider strips for Thin-set Epoxy Terrazzo Systems

B. Control/Construction Joints (saw cut, cold joint): Detail joints in accordance with NTMA Tech Bulletin T-24.

1. Option 1. Preferred: Separate double L-type angles back to back with minimum 1/8” (3.2mm) width between. Fill joint and area between strips with semi-flexible joint filler.
2. Option 2. Fill saw cut with 100% solids epoxy. Place single L-type angle strip shouldered on concrete, adjacent to the joint.
3. Option 3. For artwork considerations only. Buried Joint: Fill saw cut with 100% solids epoxy, followed by application of Iso-Crack Membrane (40 mils / 1.0mm) with fiberglass mesh reinforcement embedded into the membrane. Note: Movement from the substrate may reflect through the finished flooring.

C. Expansion Joint Strips: Separate double L-type angles, positioned back to back with minimum 1/8” (3.2 mm) width between. Fill area between strips with semi-flexible joint filler.

D. Random Crack Detail: For cracks over 1/16” width before surface preparation.
1. Fill saw cut with 100% solids epoxy, followed by application of Iso-Crack Membrane (40 mils / 1.0mm) with fiberglass mesh reinforcement embedded into the membrane.
   a. Contractor to include 10% lineal ft for random crack repair
2. Note: Movement from the substrate may reflect through the finished flooring.

E. Special Considerations: For epoxy terrazzo exposed to direct sunlight use strip method B Option 1 (referenced above) every 8’-12’ in each direction to compensate for thermal expansion/contraction.

2.4 MISCELLANEOUS ACCESSORIES

A. Strip Adhesive: 100% solids epoxy resin adhesive recommended by manufacturer.
1. Use adhesive that has a VOC content of 50g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

B. Anchoring Devices:
1. Strips: Provide mechanical anchoring devices for strip materials as required for secure attachment to substrate.
2. Precast Terrazzo: Provide mechanical anchoring devices as recommended by terrazzo contractor for proper anchorage and support of units for conditions of installation and support.

C. Patching and Fill Material: epoxy and sand fill as recommended by manufacturer, meeting minimum compressive strength and maximum aggregate to resin ratio 4:1.

D. Joint Compound: *Terroxy Resin Systems, Joint Filler, by Terrazzo & Marble Supply Companies, 6100 Seaforth Street, Baltimore, MD 21224, 410-633-6200, or equal; color to be selected by architect to match/compliment terrazzo.*

E. Cleaner: Terra Clean, or equal, a neutral cleaner with pH factor between 7 and 10 specifically designed for terrazzo.

F. Surface Finish System: All terrazzo shall be finished to a minimum 200 Grit finish, with the exception of black terrazzo, which will be finished up to a 400 Grit Finish.

G. Sealer: Slip and stain-resistant sealer that is chemically neutral with a pH factor between 7 and 10, that meets a standard coefficient of friction of 0.6 or higher, as measured by the James Machine (ASTM D-2047 Test Method), does not affect physical properties of terrazzo and complies with NTMA's "Terrazzo Specifications and Design Guide."
   1. Basis of Design: Terroxy WB Acrylic Plus

2.5 PRECAST TERRAZZO

A. Precast Terrazzo Units: Precast epoxy terrazzo base and stair tread units.

B. Manufacturers: Subject to compliance with requirements, provided products acceptable to architect.
   1. Basis of Design: Angelozzi Precast Terrazzo

C. Precast Terrazzo Base Units: 1/4" (6.4 mm) thick, cast in maximum lengths possible, but not less than 36" (900 mm).
   1. Type: Square
   2. Height: 4"
   3. Outside Corner Units: With finished returned edges at outside corner.
   4. Color and Pattern: Match adjacent poured-in-place terrazzo flooring.

D. Precast Terrazzo Stair Treads: Thickness indicated with cast-in nosing.
   1. Tread/Riser: 1/2" (12.7 mm) thick epoxy
   2. Include metal/abrasive traction strips
   3. Color and Pattern: Match architect's approved sample

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

A. Examine and clean substrates of substances, including oil, grease, and curing compounds, that might impair terrazzo bond. Provide clean, dry, and neutral substrate for terrazzo application.

   1. Roughen concrete substrates before installing terrazzo system according to NTMA's written recommendations.

3.2 PREPARATION

A. Clean substrates of substances, including oil, grease and curing compounds, that might impair terrazzo bond. Provide clean, dry and neutral substrate for terrazzo application.

B. Concrete Slabs:
   1. Provide sound concrete surface free of laitance, glaze, efflorescence, curing compounds, form-release agents, dust, dirt, grease, oil and other contaminants incompatible with terrazzo.

a. Prepare concrete mechanically by shot blasting. Surface preparation results should achieve a CSP3-CSP5 profile according to International Concrete Repair Institute Guideline No. 03732.
b. Repair or level damaged and deteriorated concrete according to manufacturer's instructions for thin-set epoxy terrazzo
c. Repair cracks and non-expansion joints greater than 1/16" (1.6 mm) wide according to NTMA Tech Bulletin T-24.

2. Verify that concrete substrates are visibly dry and free of moisture.
3. Moisture Testing:
   a. Contractor to include moisture vapor treatment for all slab on grade and/or lightweight concrete or green concrete conditions. Moisture vapor treatment should handle up to 99% relative humidity.
   b. Test for moisture at other conditions according to ASTM F2170 (determining relative humidity in concrete slabs using in situ probes).
   c. Proceed with installation only after substrates have a maximum relative humidity measurement reading less than 80%. If relative humidity measurement reading is greater than or equal to 80%, moisture vapor treatment is required. Apply to terrazzo substrates according to manufacturer's moisture vapor treatment product data sheet.
   d. Install moisture vapor treatment on all slab on grade and/or lightweight concrete conditions.

C. Protect other work from dust generated by grinding operations. Control dust to prevent air pollution and comply with environmental protection regulations.
   1. Erect and maintain temporary enclosures and other suitable methods to limit dust migration and to ensure adequate ambient temperatures and ventilation conditions during installation.

3.3 EPOXY TERRAZZO INSTALLATION

A. General:
   1. Comply with NTMA's written recommendations for terrazzo and accessory installation.
   2. Place, rough grind, grout, cure grout, fine grind and finish terrazzo according to manufacturer's instructions and NTMA's "Terrazzo Specifications and Design Guide."
   3. Ensure that matrix components and fluids from grinding operations do not stain terrazzo by reacting with divider and control-joint strips.
   4. Delay fine grinding until heavy trade work is complete and construction traffic through area is restricted.

B. Thickness: 5/8"

C. Flexible Reinforcing Membrane
   1. Membrane application for isolated cracking. Route out all cracks and fill with 100% solids epoxy. Apply manufacturer's crack isolation membrane (spread at 40 mils = 1.0 mm thickness) across the crack allowing 12 inches (304.8 mm) on either side. Imbed fiberglass scrim at a minimum of 9" into wet membrane and saturate with additional membrane.

D. Primer: Apply to terrazzo substrates according to manufacturer's instructions.

E. Moisture Vapor Treatment
   1. Apply manufacturer's moisture mitigation product to any slab that exceeds 80% rH per ASTM-F-2170 as well as any slab on grade or lightweight concrete condition.

F. Strip Materials:
   1. Divider and Accessory Strips:
      a. Detail joints in accordance with NTMA Tech Bulletin T-24.
   2. Install strips in adhesive setting bed without voids below strips or mechanically anchor strips as required to attach strips to substrate.
      a. Control/Construction Joints (saw cut, cold joint):
         1) Option 1- Preferred: Separate double L-type angles back to back with minimum 1/8" (3.2mm) width between. Fill joint and area between strips with semi-flexible joint filler.
         2) Option 2. Fill saw cut with 100% solids epoxy. Place single L-type angle strip shouldered on concrete, adjacent to the joint.
         3) Option 3. For artwork considerations only. Buried Joint: Fill saw cut with 100% solids epoxy, followed by application of crack isolation membrane. (40 mils / 1.0mm) with fiberglass mesh reinforcement embedded into the membrane. Note: Movement from the substrate may reflect through the finished flooring.
      b. Expansion Joint Strips: Separate double L-type angles, positioned back to back with minimum 1/8" (3.2 mm) width between. Fill area between strips with semi-flexible joint filler.
      c. Random Crack Detail: For cracks over 1/16" width before surface preparation. Fill saw cut with 100% solids epoxy, followed by application of crack isolation membrane (40 mils / 1.0mm) with fiberglass mesh reinforcement embedded into the membrane. Note: Movement from the substrate may reflect through the finished flooring.
      d. Special Considerations: For epoxy terrazzo exposed to direct sunlight use strip method B Option 1. (referenced above) every 8'-12' in each direction to compensate for thermal expansion/contraction.

G. Placing Terrazzo:
   1. Mix epoxy matrix with chips and fillers in ratios directed by manufacturer.
   2. Trowel apply terrazzo mixture over epoxy primer to provide a dense flat surface to top of divider strips. Allow to cure per manufacturer's recommendations before rough grinding.

H. Rough Grinding: Grind with 24 grit silicon carbide or 24 grit turbo diamonds until all terrazzo strips and marble chips are uniformly exposed.

I. Grouting, Polishing and Sealing:
   1. Cleanse floor with clean water and rinse.
   2. Remove excess rinse water by wet vacuum, dry and fill voids with Epoxy Matrix or Clear Resin with a broadcast of limestone filler.
   3. Allow grout to cure.
   4. Polish with sequential polishing pads up to an 1800 grit diamond or aesthetic equivalent. All grout should be removed from the surface and terrazzo density should reflect a minimum of 70% aggregate exposure.
   5. GC to provide protection as specified (Masonite or ram board) for remainder of construction.

3.4 PRECAST TERRAZZO INSTALLATION

A. Install precast units using method recommended by NTMA and manufacturer unless otherwise indicated.

B. Seal joints between units with joint sealants.

3.5 CLEANING AND PROTECTION

A. Terrazzo Cleaning:

1. Remove grinding dust from installation and adjacent areas and wash all surfaces with Terroxy® Terra Clean or equivalent..

B. Sealing: Apply slip and stain-resistant sealer that is chemically neutral with a pH factor between 7 and 10, that meets a standard coefficient of friction of 0.5 or higher, as measured by the James Machine (ASTM D-2047 Test Method), does not affect physical properties of terrazzo and complies with NTMA's "Terrazzo Specifications and Design Guide."

C. Protection: Upon completion, the work shall be ready for final inspection and acceptance by the owner or his agent. Provide final protection and maintain conditions, in a manner acceptable to terrazzo contractor, that ensure terrazzo is without damage or deterioration.

3.6 METHOD OF MEASUREMENT

A. *Resinous Matrix* Terrazzo Flooring shall be measured by each unit completed. The following items shall be included, but not limited to, the price of each unit: *Resinous Matrix* Terrazzo Flooring as indicated in plans.

3.7 BASIS OF PAYMENT

A. The accepted quantity of *Resinous Matrix* Terrazzo Flooring will be paid for at the contract unit price, each, complete and in place. The price shall be full compensation for furnishing all materials and in preparation and placing of materials, furnishing and installation of any and all appurtenances and connections, and other structures as may be required to complete the work as shown on the plans and for all labor, equipment, tools, and incidentals to complete the work.

END OF SECTION 096623

SECTION 096816 - SHEET CARPETING

-Section Revised under Addendum #3-

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Hand Tufted carpet.
2. Carpet Cushion

1.2 ACTION SUBMITTALS

A. Product data.

B. Shop Drawings: For carpet installation.

C. Samples: Manufacturer's standard color sheets, showing full range of available colors for each type of product.

1.3 INFORMATIONAL SUBMITTALS

A. Product test reports.

B. Sample warranties.

1.4 CLOSEOUT SUBMITTALS

A. Maintenance data.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: An authorized representative who is certified by the International Certified Floorcovering Installers Association at the Commercial II certification level.

1.6 WARRANTY

A. Special Warranty for Carpet: Manufacturer agrees to repair or replace components of carpet installation that fail in materials or workmanship within specified warranty period.

1. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 C-02 - HAND TUFTED CARPET

A. Manufacturer: Zenith Rugs, 1539 Sawtelle Blvd. Suite 6, Los Angeles, CA 90025, 310-268-8230, info@zenithrugs.com; or equal.

B. Color and Pattern: As selected by Architect from manufacturer's full range, refer to project drawings.

C. Construction: Hand-tufted

D. Yarn: 100% NZ Wool; Count 380/1 tex 1/80 dewsbury

E. Dye Compound: Metal Complex dyes

F. Dyeing Method: Hank dyeing

G. Gross Pile Weight (oz. per sq. yd.): 2990g/sqm or 88oz/sqy

H. Pile height (mm): 9-10mm

I. Total weight: 4500g/sqm

J. No. of rows: 19-20/10cm

K. No. of ends: 26-27/10cm

L. No. of ends/insertion: 4

M. Primary backing: Basket weave; Warp 26 ends/2 inches; Weft 26 picks/2 inches; Width 620cm or 920cm; Weight 240g/sqm (67% cotton, 33% polyester web)

N. Secondary backing: Leno weave; Warp 6 ends/inch; Weft 6 picks/inch; Width 300cm; Weight 55g/sqm (100% cotton mesh)

O. Latex: Revertex KCB 500 natural latex compound

2.2 C-04 – HAND TUFTED CARPET – STAIR RUNNER

A. Manufacturer: William Morris and Co, via Sanderson Design Group (distributor), Voysey House, Sandersons Lane, London, W4 4DS; Hines and Co. (Product Representative) 1099 14th Street, NW, Suite 440, Washington, DC 20005; or equal.

B. Color and Pattern: As selected by Architect from manufacturer's full range, refer to project drawings.

C. Material: 100% Wool

D. Rug Size: Refer to Drawings

E. Rug Pile Height: 17mm

F. Repeat Size: To be determined through shop drawings, installer to verify in field existing conditions.

G. Quality: 7 * 7 per inch

H. Match: Running Match

I. Edge Binding: Thin wool binding

J. Backing: Action backing

K. Applied stain-resistant treatment: As recommended by manufacturer

L. Adhesive: Natural latex

2.3 CARPET CUSHION

A. As recommended by manufacturer.

B. Fiber Cushion: Mixture of polyvinyl chloride (PVC) with plant based plasticizer coated onto a polyester scrim.

1. Weight: .25”
2. Thickness: 72 g/sq. ft.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting carpet performance.

B. Examine carpet for type, color, pattern, and potential defects.

C. Concrete Slabs: Verify that finishes comply with requirements specified in Section 033000 "Cast-in-Place Concrete" and that surfaces are free of cracks, ridges, depressions, scale, and foreign deposits.

1. Moisture Testing: Perform tests so that each test area does not exceed **200 sq. ft. (20 sq. m)** and perform no fewer than three tests in each installation area and with test areas evenly spaced in installation areas.

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

3.2 PREPARATION

A. General: Comply with CRI 104 and with carpet manufacturer's written installation instructions for preparing substrates.

B. Use trowelable leveling and patching compounds, in accordance with manufacturer's written instructions, to fill cracks, holes, depressions, and protrusions in substrates. Fill or level cracks, holes and depressions 1/8 inch (3 mm) wide or wider, and protrusions more than 1/32 inch (0.8 mm), unless more stringent requirements are required by manufacturer's written instructions.

C. Concrete Substrates: Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, without using solvents. Use mechanical methods recommended in writing by adhesive, carpet, and carpet cushion manufacturers.

D. Broom and vacuum clean substrates to be covered immediately before installing carpet.

3.3 INSTALLATION

A. Comply with CRI 104 and carpet and carpet cushion manufacturers' written installation instructions.

B. Comply with carpet manufacturer's written instructions and Shop Drawings for seam locations and direction of carpet; maintain uniformity of carpet direction and lay of pile. At doorways, center seams under the door in closed position.

C. Cut and fit carpet to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended in writing by carpet manufacturer.

D. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on carpet as marked on subfloor. Use nonpermanent, nonstaining marking device.

3.4 CLEANING AND PROTECTION

A. Perform the following operations immediately after installing carpet:

1. Remove excess adhesive, seam sealer, and other surface blemishes using cleaner recommended in writing by carpet manufacturer.
2. Remove yarns that protrude from carpet surface.

3. Vacuum carpet using commercial machine with face-beater element.

B. Protect installed carpet to comply with CRI 104, Section 13.7.

3.5 METHOD OF MEASUREMENT

A. Sheet carpet shall be measured by each unit completed. The following items shall be included, but not limited to, the price of each unit: sheet carpet and pad as indicated in plans.

3.6 BASIS OF PAYMENT

A. The accepted quantity of sheet carpet will be paid for at the contract unit price, each, complete and in place. The price shall be full compensation for furnishing all materials and in preparation and placing of materials, furnishing and installation of any and all appurtenances and connections, and other structures as may be required to complete the work as shown on the plans and for all labor, equipment, tools, and incidentals to complete the work.

END OF SECTION 096816

SECTION 233713 - DIFFUSERS, REGISTERS, AND GRILLES

-Section Added under Addendum #3-

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Linear Bar Grilles and Frames.

1.2 RELATED SECTIONS

A. Section *09 66 23 – Resinous Matrix* Terrazzo Flooring

1.3 SUBMITTALS

A. Submit under provisions of Section 01340 – Shop Drawing, Product Data, and Samples

B. Product Data: Manufacturer's data sheets on each product to be used, including:
   1. Preparation instructions and recommendations.
   2. Storage and handling requirements and recommendations.
   3. Installation methods.

C. Shop Drawings: Submit the following:
   1. Drawings indicating locations of products of this section in project.
   2. Drawings and details indicating sizes, materials and thicknesses, fabrication and installation techniques, provisions for reinforcement and anchoring.

D. Samples: Submit metal finishes from manufacturer’s full colors for selection by Architect

1.4 DELIVERY, STORAGE, AND HANDLING

A. Packing, Shipping, Handling and Unloading: Pack products of this section to prevent damage to products and finishes.

B. Storage and Protection:
   1. Store products in manufacturer's unopened packaging until installation.
   2. Maintain dry, heated storage area for products until installation.

1.5 SEQUENCING

A. Ensure that locating templates and other information required for installation of products of this section are furnished to affected trades in time to prevent interruption of construction progress.

B. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: Architectural Grille, which is located at: 42 2nd Ave.; Brooklyn, NY 11215; Toll Free Tel: 800-387-6267; Tel: 718-832-1200; Fax: 718-832-1390; Email:request info (sales@archgrille,com); Web:https://www.archgrille.com; or equal.

2.2 PRODUCTS

A. Bar Grilles:
1. Core: Type AG20; 3/4 inch (19 mm) deep rectangular metal bars, cross-section flared 15 degrees one side, 1/4 inch (6 mm) thick across flared face tapering to 1/8 inch (3 mm) at bottom, spaced 1/2 inch (13 mm) on center, interlocked and welded to 1/8 inch (3 mm) thick by 1/2 inch (13 mm) deep rectangular metal bar crosspieces spaced 10 inches (254 mm) on center. General Contractor shall ensure that all cores comply with ANSI 117.1 requirements.
2. Material and Finish:
a. Bronze, as selected by Architect:
1) Satin Finish: No. 4.
2) Mirror Polish Finish: No. 8.
3) Statuary Bronze. Light.
4) Statuary Bronze. Medium.
5) Statuary Bronze. Dark.
3. Frame: Type C, reinforced full face frame; 3/4 inch (19 mm) by 7/8 inch (22 mm) by 5/8 inch (16 mm) by 1/8 inch (3 mm) cross-section zee, inside of 5/8 inch (16 mm) leg welded to back side of grille at crosspieces, 3/4 inch (19 mm) face frame.
4. Mitered Corner Sections: Fabricate welded mitered corner sections to match sections of straight bar grille units for horizontal installation.
5. Bar Grille Size: To match existing sizes, General Contractor responsible for measuring and verifying in field dimensions of grilles that are to be replaced.

PART 3 EXECUTION

3.1 EXAMINATION

A. Do not begin installation until substrates have been properly prepared.

B. Verify openings and substrates are prepared to receive products of this section.

C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

A. Install in accordance with the manufacturers recommendations and the approved shop drawings.

B. Where appropriate, supply products of this section for installation by installers of products of other sections.

3.4 PROTECTION

A. Protect installed products until completion of project.

B. Replace damaged products before Substantial Completion.

3.5 Method of Measurement

A. Registers, grilles, and diffusers shall be measured by each unit completed. The following items shall be included, but not limited to, the price of each unit: registers, grilles, and diffusers as indicated in plans, and confirmed by General Contractor

3.6 Basis of Payment

A. The accepted quantity of registers, grilles, and diffusers will be paid for at the contract unit price, each, complete and in place. The price shall be full compensation for furnishing all materials and in preparation and placing of materials, furnishing and installation of any and all appurtenances and connections, and other structures as may be required to complete the work as shown on the plans and for all labor, equipment, tools, and incidentals to complete the work.

END OF SECTION 233713

SECTION 262726 – RECESS OUTLET POKE-THRU DEVICES
-Section Added under Addendum #3-

PART 1 GENERAL

1.1 CONDITIONS AND REQUIREMENTS

A. The General Conditions, Supplementary Conditions, and Division 01 – General Requirements apply.

1.2 SECTION INCLUDES

A. Recessed outlet poke-thru devices.

B. Contractor and subcontractors shall be responsible for installation of recessed outlets only. Future powering and wiring of devices shall be completed under a separate contract.

1.3 RELATED SECTIONS

A. Section 07 84 13 - Penetration Firestopping Devices.

B. Section 09 66 23 – Resinous Matrix Terrazzo Flooring

1.4 SUBMITTALS

A. Product Data: Submit for recessed outlet poke-thru systems.

B. Shop Drawings: For the following electrical system components. Include plans, elevations, sections, details, and attachments to other work.
1. Poke-thru assemblies.

C. Samples: Submit three (3) sample(s) with required color and finish. Show standard color ranges available.

1.5 QUALITY ASSURANCE

A. Manufacturers: Firms regularly engaged in manufacture of poke-thru devices and fittings of the types and sizes required, whose products have been in satisfactory use in similar service for not less than 10 years. Provide poke-thru devices produced by a manufacturer listed in this section.

B. Source Limitations: Obtain each type of poke-thru device through one (1) source from a single manufacturer.

C. Electrical Poke-Thru Devices and Components: Comply with requirements of applicable local codes, NEC, UL, and NEMA Standards pertaining to poke-thru devices and components. Listed and labeled in accordance with NFPA 70, Article 100.

D. Accessibility Compliance: Design device flange to meet ADA Accessibility Guidelines as to changes in floor and ground surface levels. Flanges shall be beveled so the slope is no

greater than 1:2.

1.6 DELIVERY, STORAGE AND HANDLING

A. Deliver poke-thru devices and components in factory labeled packages.

B. Store and handle in strict compliance with manufacturer's written instructions and recommendations.

C. Protect from damage due to weather, excessive temperature, and construction operations.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Basis-of-Design Product: The design for recessed outlet poke-thru devices is based on Evolution™ Series Poke-Thru Devices manufactured by Legrand/Wiremold, 60 Woodlawn Street, West Hartford, CT 06110; toll-free 800-621-0049, telephone 860-233-6251, fax 860-232-2062; Web Site: www.legrand.us/wiremold; or equal.

2.2 RECESSED OUTLET POKE-THRU DEVICES

A. Recessed Outlet Poke-Thru Devices: 6AT Poke-Thru Devices manufactured by Legrand/Wiremold.
   1. Poke-thru devices provide an interface between power, communication and audio/visual (A/V) cabling in an above grade concrete floor and the workstation or activation location where power, communication and/or A/V device outlets are required. These devices provide recessed device outlets that will not obstruct the floor area.

B. Classification and Use: Poke-thru device shall have been examined and tested by Underwriters Laboratories Inc. to comply with UL514A and/or UL514C and Canadian Standard C22.2, No. 18-98 and bear the U.S. and Canadian UL Listing Mark. Poke-thru device shall also have been tested by UL and classified for fire resistance and bear the U.S. and Canadian UL Classification Mark. The poke-thru device shall conform to the standards set in the National Electrical Code, Section 300-21.
   1. Poke-thru devices shall be classified for use in 1, 1-1/2, or 2-hour rated floors and 1, 1-1/2, or 2 hour rated floors employing unprotected steel floor units and concrete toppings (D900 Series designs), or concrete floors with suspended ceilings. Fire resistive designs with suspended ceilings shall have provisions for accessibility in the ceiling below the poke-thru device fittings.
   2. Poke-thru device shall have been evaluated by UL to meet the applicable U.S. and Canadian safety standards for scrub water exclusion when used on tile, terrazzo, wood, and carpet covered floors.
   3. These devices are not suitable for wet or damp locations, or other areas subject to saturation with water or other liquids such as commercial kitchens.
   4. Poke-thru device shall be suitable for use in air handling spaces in accordance with Section 300-22C of the National Electrical Code.

C. 6AT Poke-Thru Assembly: Poke-thru device assemblies shall consist of an insert and an activation cover. Assembly length: 16-3/4 inches (425mm).
   1. Insert: Insert body shall recess the devices a minimum of 2-3/4 inches (69mm) and have a polyester based backing enamel finished interior; ivory color. Furnish with necessary channels to provide complete separation of power and communication services. Provide three (3) compartments that allow for up to three (3) duplex receptacles that can be wired as a standard receptacle or isolated ground.
      a. Body consists of an intumescent firestop material to maintain fire rating of the floor slab. Hold intumescent material securely in place in insert body. Intumescent material will not have to be adjusted to maintain fire rating of the unit and the floor slab. Provide insert with a retaining feature to hold the poke-thru device in the floor slab without additional fasteners. Poke-thru insert shall also consist of a 3/4-inch trade size conduit stub that is connected to the insert body and a 24.5 cu in (402ml) stamped steel junction box for wire splicing and connections. Stamped steel junction box shall also contain the means necessary to electrically ground the poke-thru device to the system ground.
   2. Activation Cover: Manufactured of die-cast aluminum alloy; finished in satin brass. Provide with two (2) gaskets (one (1) for surface and one (1) for flush) to go under the trim flange to maintain scrub water tightness. Activation cover is 7-1/4 inches (184mm) in diameter. Provide cover with spring-loaded slides to allow cables to egress out of the unit and maintain as small an egress opening as possible.

D. Copper Wire Cross Sectional Area:

Copper Cross Sectional Area of Commonly Used Conductors	
Size	Solid or Stranded
#24	.00032 sq in (.206mm^2)
#22	.00050 sq in (.322mm^2)
#14	.00323 sq in (2.083mm^2)
#12	.00512 sq in (3.303mm^2)
#10	.00815 sq in (5.258mm^2)
#8	.01296 sq in (8.361mm^2)

   1. Maximum copper cross sectional area for 6AT outer compartment only is .0154 sq in (9.9mm^2). Maximum copper cross sectional area for the center compartment only is .0387 sq in (24.9mm^2).

PART 3 EXECUTION

3.1 EXAMINATION

A. Examine conditions under which poke-thru devices, accessories, and fittings are to be installed. Notify the Architect/Engineer in writing of conditions detrimental to proper completion of the work. Do not proceed with work until unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Strictly comply with manufacturer's installation instructions and recommendations and approved shop drawings. Coordinate installation with adjacent work to ensure proper clearances and to prevent electrical hazards.
   1. Mechanical Security: Raceway systems shall be mechanically continuous and connected to all electrical outlets, boxes, device mounting brackets, and cabinets, in accordance with manufacturer’s installation sheets.
   2. Electrical Security: Metal raceway shall be electrically continuous and bonded in accordance with the National Electric Code for proper grounding.
   3. Raceway Support: Raceway shall be supported at intervals not exceeding 5 feet or in accordance with manufacturer’s installation sheets.
   4. Accessories: Provide accessories as required for a complete installation, including insulated bushings and inserts where required by manufacturer.
   5. Unused Openings: Close unused raceway openings using manufacturer's recommended accessories.

B. Install unit to permit all wiring to be completed at floor level.

C. Mount the 6AT units in a 6-1/16-inch (154mm) cored hole.

D. Complete unit installation by pushing it down into the cored hole.

3.3 CLEANING AND PROTECTION

A. Clean exposed surfaces using non-abrasive materials and methods recommended by manufacturer.

B. Protect poke-thru devices until acceptance.

3.4 Method of Measurement

A. Recessed Outlets Poke Thru Devices shall be measured by each unit completed. The following items shall be included, but not limited to, the price of each unit: recessed outlets poke thru devices as indicated in plans, and confirmed by General Contractor

3.5 Basis of Payment

A. The accepted quantity of recessed outlets poke thru devices will be paid for at the contract unit price, each, complete and in place. The price shall be full compensation for furnishing all materials and in preparation and placing of materials, furnishing and installation of any and all appurtenances and connections, and other structures as may be required to complete the work as shown on the plans and for all labor, equipment, tools, and incidentals to complete the work.

END OF SECTION 262726

RHODE ISLAND T.F. GREEN INTERNATIONAL AIRPORT

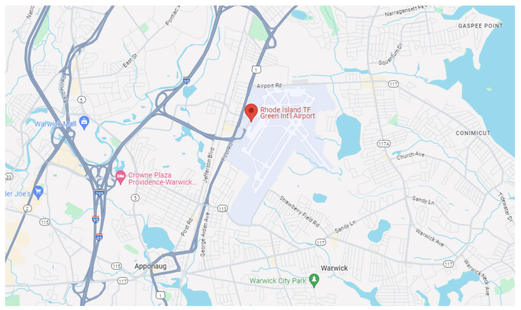
2000 POST ROAD WARWICK, RI 02886

HARD FLOORING RENOVATIONS BID SET

CONTRACT NO. 35219

JULY 12, 2024

LOCUS MAP



GENERAL NOTES

A- GENERAL

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO VISIT THE SITE PRIOR TO BID SUBMITTAL TO BECOME FAMILIAR WITH CONDITIONS AT THE SITE AFFECTING PERFORMANCE OF THE WORK.
2. THE WORK SHALL COMPLY WITH ALL GOVERNING STATE AND LOCAL CODES. ACCESSIBLE SPACES AND WORK SHALL COMPLY WITH ALL APPLICABLE ACCESSIBILITY CODES
3. UNLESS OTHERWISE AGREED TO IN WRITING WITH THE OWNER, THE CONTRACTOR IS RESPONSIBLE FOR SECURING ALL PERMITS (BUILDING, OCCUPANCY, ETC.) AND FEES FOR SAME, AS REQUIRED BY STATE AND LOCAL RULES AND REGULATIONS.
4. DAMAGES TO THE BUILDING OR PROPERTY DUE TO CONTRACT OPERATIONS MUST BE REPORTED IMMEDIATELY TO THE BUILDING OWNER.
5. THE OWNER RESERVES THE RIGHT TO PERFORM ADDITIONAL WORK THAT IS NOT PART OF THIS CONTRACT WITH HIS OWN FORCES, UNDER SEPARATE CONTRACTS AND/OR WITH OTHER CONTRACTORS OR VENDORS. THE CONTRACTOR SHALL COOPERATE WITH THE OWNER AND OTHER CONTRACTORS AND COORDINATE HIS WORK WITH THE OWNER SO THAT WORK BY OTHERS CAN BE INCORPORATED IN A TIMELY MANNER.
6. THE CONTRACTOR SHALL REPLACE OR REMEDY FAULTY, IMPROPER OR INFERIOR MATERIALS OR WORKMANSHIP WHICH SHALL APPEAR WITHIN ONE (1) YEAR OR AS OTHERWISE SPECIFIED FOR A SPECIFIC COMPONENT AFTER COMPLETION AND ACCEPTANCE OF THE WORK. SUCH WORK IS TO BE COMPLETED AT NO COST TO THE OWNER.
7. FURNISH AND INSTALL MATERIALS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS. MATERIALS AND METHODS OF INSTALLATION TO CONFORM WITH THE APPROPRIATE NATIONAL TRADE HANDBOOKS; I.E. ARCHITECTURAL WOODWORK INSTITUTE'S QUALITY STANDARDS, UNITED STATES GYPSUM, GYPSUM CONSTRUCTION HANDBOOK, ETC.
8. DRAWINGS ARE FOR ILLUSTRATIVE PURPOSES ONLY AND MAY NOT SHOW ALL DEMOLITION WORK REQUIRED TO COMPLETE THE CONTRACT WORK.
9. THE GENERAL CONTRACTOR REQUIRED TO COORDINATE THE DEMOLITION WORK ASSIGNED TO THE SUB-TRADES, INCLUDING BUT NOT LIMITED TO ALL UTILITY DISCONNECTS, CUTOFF CAPPING, REMOVAL, DISMANTLING OR DISMOUNTING OF FIXTURES, EQUIPMENT, WIRING, PIPING, ETC. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL REMOVAL AND DISPOSAL.
10. THE GENERAL CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR REMOVING ALL EXISTING MATERIALS WHICH WOULD OTHERWISE INTERFERE WITH THE PROPER INSTALLATION OR FUNCTION OF THE NEW WORK, WHETHER OR NOT SUCH EXISTING MATERIALS OR CONDITIONS HAVE BEEN INDICATED. THIS INCLUDE ALL ABANDONED FURNISHINGS, EQUIPMENT AND FINISHES.
11. CHECKING OF THE SUBMITTALS AND SHOP DRAWINGS BY THE ACHITECT IS ONLY FOR LIMITED GENERAL CONFORMANCE WITH THE INFORMATION GIVEN AND DESIGN CONCEPT EXPRESSED IN THE CONTRACT DOCUMENTS FOR THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR QUANTITIES AND DIMENSIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOBSITE; CONSTRUCTION MEANS METHODS, PROCEDURES, TECHNIQUES, SEQUENCES, AND JOBSITE SAFETY; AND COORDINATION OF THEIR WORK WITH THAT OF THE OTHER TRADES.
12. CAREFULLY REVIEW THE SCOPE OF WORK FOR REQUIREMENTS RELATED TO FIELD APPROVED MOCKUPS. ANY WORK BEGUN WITHOUT THE AUTHORIZATION OF AN APPROVED MOCKUP BY THE OWNER AND THE ARCHITECT IS AT THE CONTRACTOR'S RISK. UNSATISFACTORY WORK IS SUBJECT TO POSSIBLE REMOVED AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
13. **THE FOLLOWING DRAWING SERIES ARE REQUIRED TO BE PRINTED IN COLOR: ID1.1X, ID1.2X AND ID5.XX.**

B- COORDINATION

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE WORK, CONSTRUCTION SEQUENCING, SUBCONTRACTORS, AND INSTALLED LOCATION AND INTERFACE OF THE WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF SYSTEMS AND EQUIPMENT WITH STRUCTURE, ARCHITECTURE, CEILING HEIGHTS, AND OTHER WORK.
3. DISCREPANCIES BETWEEN PORTIONS OF THE CONTRACT DOCUMENTS ARE NOT INTENDED. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH AND COORDINATE ALL CONTRACT DOCUMENTS BEFORE INSTALLATION OF THE WORK. THE CONTRACTOR SHALL CLARIFY DISCREPANCIES WITH THE ARCHITECT PRIOR TO COMMENCING THE WORK IN QUESTION.
4. MATTERS WITHIN THE SPECIFICATIONS WHICH MAY HAVE BEEN OMITTED IN THE DRAWINGS OR VICE VERSA SHALL BE CONSTRUED AS THOUGH CONTAINED IN BOTH.
5. SHOULD THE SPECIFICATIONS AND THE DRAWINGS DISAGREE WITH THEMSELVES OR WITH EACH OTHER, PROVIDE THE BETTER QUALITY OR GREATER QUANTITY OF WORK, AS DETERMINED BY THE ARCHITECT, UNLESS OTHERWISE DIRECTED BY APPROVED CHANGE ORDER.
6. ALTERATIONS/DEVIATION FROM THE CONTRACT DOCUMENTS MUST BE SUBMITTED TO THE ARCHITECT FOR REVIEW AND WRITTEN APPROVAL PRIOR TO PROCEEDING WITH THE WORK.
7. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE ALL EXISTING UTILITIES, WHETHER SHOWN IN THE CONTRACT DOCUMENTS OR NOT, AND TO PROTECT THE UTILITIES FROM DAMAGE. REPAIR OR REPLACE UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH PERFORMANCE OF THE WORK AT THE EXPENSE OF THE CONTRACTOR.

B- COORDINATION (CONT.)

8. PROVIDE BACK-BLOCKING FOR SUPPORT AND ATTACHMENT OF MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO ARCHITECTURAL WOODWORK, WALL AND/OR CEILING MOUNTED FINISHES, EQUIPMENT AND ACCESSORIES, GRAB BARS, CABINETRY, FIXTURES, SIGNAGE, ETC. COORDINATE LOCATIONS WITH ARCH/OWNER.
9. PROVIDE ROUGH-INS AND WIRING FOR DATA AND PHONE OUTLETS WHERE REQUIRED BY OWNER. OWNER'S VENDOR SHALL PROVIDE TERMINAL DEVICES, UNLESS REQUIRED OTHERWISE.
10. CONTRACTOR SHALL PROVIDE COORDINATION DRAWINGS AND SHOP DRAWINGS FOR REVIEW AND APPROVAL. CONTRACTORS SHALL IDENTIFY ALL AREAS OF DEVIATIONS FROM CONTRACT DOCUMENTS.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ANY AND ALL CONFICTS IN FIELD FOR REVIEW BY ARCHITECT AND OWNER.
12. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CREATING, PROVIDING, AND IMPLEMENTING THE FINAL PHASING PLAN IN COORDINATION WITH OWNER/ARCHITECT. GENERAL CONTRACTOR SHALL ALSO SHOW AND DEMONSTRATE AREAS OF TEMPORARY PARTITIONS, RAMPS, STAIRS, ETC. AND HOW ALL EGRESS COMPONENTS WILL BE MAINTAINED DURING THE ENTIRETY OF THE PROJECT. WORK WILL BE COMPLETED WHILE THE BUILDING IS FULLY OCCUPIED.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SAFETY OF BUILDING OCCUPANTS, AS THE EXISTING BUILDING WILL REMAIN OPEN TO THE PUBLIC. SIGNAGE, TEMPORARY PARTITIONS, AND ANY OTHER WORK REQUIRED DURING PHASING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR TO COORDINATE WITH OWNER/ARCHITECT FOR SCHEDUING PHASING. CONTRACTOR SHALL ALSO MAINTAIN ALL EGRESS PATHS AND EXITS AND PROVIDE SIGNAGE TO IDENTIFY ALL EXITS NECESSARY TO MAINTAIN EGRESS PATHS AND EXITS.

C- MEASUREMENTS & DIMENSIONS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT THE WORK AND SHALL INFORM THE ARCHITECT OF DISCREPANCIES AFFECTING PROPER COMPLETION OF THE WORK.
2. DO NOT SCALE DRAWINGS TO DETERMINE DIMENSIONS. TAKE WORKING DIMENSIONS FROM THE FIGURED DIMENSIONS, OR BY ACTUAL MEASUREMENTS TAKEN IN THE FIELD. DEVIATION FROM THE DOCUMENTS AND THE DIMENSIONS GIVEN IN THE DRAWINGS MUST BE APPROVED BY THE ARCHITECT IN WRITING PRIOR TO COMPLETION OF THE WORK IN QUESTION. 3
3. DRAWINGS OF A LARGER SCALE TAKE PRECEDENCE OVER DRAWINGS OF SMALLER SCALE.

D- MATERIAL REQUIREMENTS

1. WOOD IN CONTACT WITH CONCRETE OR STEEL TO BE PRESSURE TREATED.
2. COMBUSTIBLE MATERIALS ARE NOT ALLOWED IN CONCEALED SPACES AS DETERMINED BY CODE.
3. STRUCTURE SHALL BE RATED AS NOTED ON CODE DRAWINGS. MAINTAIN RATINGS OF FIRE-RATED ASSEMBLIES.
4. PAINTING, VARNISHING OR THE USE OF OTHER NOXIOUS SUBSTANCES MUST BE ISOLATED FROM ADJOINING SPACES.
5. PROVIDE ATTIC STOCK FOR MATERIALS. COORDINATE QUANTITIES AND SCHEDULE WITH THE OWNER.
6. CONTRACTOR SHALL PROVIDE ANY AND ALL TRANSITIONS REQUIRED BETWEEN NEW AND EXISTING FLOORING.

E- DEFINITIONS AND METHODOLOGIES

1. DIMENSIONS, ANNOTATIONS, NOTES, FINISHES, FIXTURES SHOWN ON TYPICAL FLOOR PLANS, SECTIONS OR DETAILS SHALL APPLY TO SIMILAR, SYMMETRICAL OR OPPOSITE PLANS, SECTIONS OR DETAILS.
2. TYPICAL, OR "TYP" MEANS THAT THE CONDITION IS REPRESENTATIVE FOR SIMILAR CONDITIONS THROUGHOUT, UNLESS REQUIRED OTHERWISE.

ABBREVIATIONS

ACOUST	ACOUSTICAL
ACC	ACCESSIBLE
ACS	ARCHITECTURAL CAST STONE
ACT	ACOUSTIC CEILING TILE
ADJ	ADJUSTABLE
AFF/A.F.F.	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
ANOD	ANODIZED
ARCH	ARCHITECT (URAL)
AUTO	AUTOMATIC
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUE/CONTINUOUS
CPT	CARPET
CT	CERAMIC TILE
CTR	CENTER
DBL	DOUBLE
DIA	DIAMETER
DIM	DIMENSION
DS	DOWN SPOUT
DTL	DETAIL
DWG(S)	DRAWING(S)
E	EAST
EA	EACH
EJ	EXPANSION JOINT
ELEC	ELECTRIC(AL)
ELEV	ELEVATION
ELVT	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
EXT	EXTERIOR OR EXTENDED
EXG	EXISTING
FD	FLOOR DRAIN, REF: PLUMBING FOR SIZE AND TYPE
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FIN	FINISH
FFE	FURNITURE, FIXTURE & EQUIPMENT
FT	FOOT
FR	FIRE RATED
FRT	FIRE RESISTANT TREATED WOOD
FRP	FIBERGLASS REINFORCED PANEL
GA	GAUGE
GLAV	GALVANIZED
GC	GENERAL CONTRACTOR
GL	GLASS/GLAZING
GU	GUEST
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
HB	HOSE BIB
HC	HOLLOW CORE
HDWR	HARDWARE
HH	HEAD HEIGHT
HM	HOLLOW METAL
HR	HOUR
HT	HEIGHT
HVAC	HEAT/VENT/AIR CONDITION
ID	INSIDE DIAMETER
INCL	INCLUDE(D)
INSUL	INSULATION
INT	INTERIOR
JT	JOINT
KD	KNOCK DOWN
KP	KICK PLATE
LAM	LAMINATE
LAV	LAVATORY
LAV	LAVATORY
LH	LEFT HAND
LHR	LEFT HAND REVERSE
MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MANF	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTL	METAL
N	NORTH
NA/ N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OPG	OPENING
OH	OPPOSITE HAND
OPP	OPPOSITE
PART	PARTITION
PNT/PTD	PAINT
PL	PLATE
PLAM	PLASTIC LAMINATE
PLUM-	PLUMB(ING)
PLY/PLYWD	PLYWOOD
PR	PAIR
PSI	POUNDS/SQUARE INCH
PT	PRESSURE TREATED
PVC	POLYVINYL CHLORIDE
RAD	RADIUS
RD	ROOF DRAIN
REF	REFER
REFR	REFRIGERATOR
REINF	REINFORCE
REQ/REQ'D	REQUIRED
RH	RIGHT HAND
RHR	RIGHT HAND REVERSE
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
R&S	ROD & SHELF
S	SOUTH
SCW	SOLID CORE WOOD
SCHED	SCHEDULE
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STO	STORAGE
STRUC, S-	STRUCTURAL
SUSP	SUSPENDED
SYM	SYMMETRICAL
SYS	SYSTEM
TELE	TELEPHONE
TEMP	TEMPERED
T&G	TONGUE & GROOVE
TC	TOP OF CURB
TLT	TOILET
TP	TOP OF PAVEMENT
TV	TELEVISION
TYP	TYPICAL
UNO/UON	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
VIF/V.I.F.	VERIFY IN FIELD
VWC	VINYL WALL COVERING
W	WEST
W/	WITH
WC	WATER CLOSET
WD	WOOD
WM	WIRE MOLD BASE, REF: ELECT.
W/O	WITHOUT
WRB	WATER RESISTANT
WTR	WATER
WWF	WELDED WIRE FABRIC

FINISH CODES

HARD FINISH CODES

C-__	CARPET
F-__	FABRIC/UPHOLSTERY
MB-__	METAL BASE
MTL-__	METAL
ST-__	STONE
TZ-__	TERRAZZO

NOTE: REFER TO HARD FINISH SCHEDULE

SYMBOLS LEGEND

VIEW REFERENCES:

1 View Name 1/8" = 1'-0"	PLAN/ELEVATION/DETAIL TITLE TAG
1 A101	CALLOUT REFERENCE
1 A101 1 1 1	INTERIOR/EXTERIOR ELEVATION REFERENCE TAG
1 A101 1 A101	BUILDING SECTION TAG
1 A101	WALL SECTION TAG
1 A101	DETAIL REFERENCE

ELEMENT TAGS:

Room name 101	ROOM NAME/NO.	X	CURTAIN WALL PANEL TAG
150 SF 101A	DOOR TAG	MWXX	CASEWORK TAG
x' - x"	CEILING HEIGHT TAG	?	FINISH/MATL TAG
X	WINDOW / CURTAIN-WALL TAG	XX-XX	FURNITURE, FIXTURE, & EQUIPMENT TAG

REVISIONS:

TYPE PREFIXES: A = ADDENDUM, B = BULLETIN, R = REVISION — TYPE A, NUMBER 001

INDEX OF DRAWINGS

SHEET NUMBER	SHEET NAME	HARD FLOORING DRAFT BID SET 05/08/2024	HARD FLOORING DRAFT BID SET 07/03/2024	HARD FLOORING BID SET 07/12/2024	HARD FLOORING ADDENDUM 09/06/2024
C1	COVER & GENERAL	X	X	X	X
ID1.00	EXISTING/DEMO FLOOR PLANS - OVERALL	X	X	X	X
ID1.01	EXISTING/DEMO FLOOR PLANS - ENLARGED		X	X	X
ID1.02	EXISTING/DEMO FLOOR PLANS - ENLARGED		X	X	X
ID1.10	PRELIMINARY PHASING FLOOR PLANS - OVERALL	X	X	X	X
ID1.11	PRELIMINARY PHASING FLOOR PLANS - ENLARGED		X	X	X
ID1.12	PRELIMINARY PHASING FLOOR PLANS - ENLARGED		X	X	X
ID1.20	FINISH FLOOR PLANS - OVERALL	X	X	X	X
ID1.21	FINISH FLOOR PLANS - ENLARGED		X	X	X
ID1.22	FINISH FLOOR PLANS - ENLARGED		X	X	X
ID1.23	FINISH FLOOR PLANS - ENLARGED		X	X	X
ID1.24	FINISH FLOOR PLANS - ENLARGED		X	X	X
ID1.25	FINISH FLOOR PLANS - ENLARGED		X	X	X
ID1.26	FINISH FLOOR PLANS - ENLARGED		X	X	X
ID1.30	POWER/DATA PLANS - OVERALL	X	X	X	X
ID1.31	POWER/DATA PLANS - ENLARGED		X	X	X
ID1.32	POWER/DATA PLANS - ENLARGED		X	X	X
ID5.00	DETAILS	X	X	X	X
ID5.01	DETAILS	X	X	X	X
ID5.02	DETAILS			X	X
ID6.00	HARD FINISH SCHEDULE	X	X	X	X

3

EXISTING BUILDING DATA	
CURRENT USE GROUP:	A-3
CONSTRUCTION TYPE:	1A
HEIGHT:	55 FT (3 STORIES)
EXISTING BUILDING AREA:	411,785 SF

CODE SUMMARY

ENFORCING AGENCY: RHODE ISLAND STATE BUILDING INSPECTOR

APPLICABLE CODES

- FIRE & LIFE SAFETY CODE — NFPA 1 AND NFPA 101 LIFE SAFETY CODE 2018
- RI STATE BUILDING (RI SBC-1) — INTERNATIONAL BUILDING CODE 2018 + RI AMEND.
- RI STATE REHAB BUILDING (RI SRC-1) — INTERNATIONAL EXISTING BUILDING CODE 2018 + RI AMEND.
- ACCESSIBILITY CODE — ANSI 117.1 VERSION 2009

CODE DESCRIPTION	DESCRIPTION OR NOTES	CODE SECTION
PROPOSED USE GROUP	A-3, NO CHANGE	IBC SECTION 303.4
ACCESSORY USE AREAS	N/A 3	
CONSTRUCTION TYPE	1A, NO CHANGE	IBC TABLE 601
WORK AREA (GSF)	TOTAL SCOPE 179,671 SF	
REHABILITATION LEVEL	RENOVATIONS	RI SRC-1, CH. 4

ZONING SUMMARY

DESIGNATED ZONE: LI - LIGHT INDUSTRIAL DISTRICT

INTERIOR FINISHES

A. INTERIOR WALL & CEILING FINISHES SHALL COMPLY WITH NFPA 13.3.3.2, 13.3.3.3 EXISTING ASSEMBLY USE TO REMAIN
   1. ENCLOSED STAIRWAYS - CLASS A
   2. LOBBIES & CORRIDORS - CLASS A OR B
   3. ASSEMBLY AREAS - CLASS A OR CLASS B IN AREAS GREATER THAN 300; CLASS A, CLASS B, OR CLASS C IN AREAS EQUAL TO OR LESS THAN 300

B. INTERIOR FLOOR FINISH SHALL COMPLY WITH IBC 804
   1. ALL EXIT ENCLOSURES SHALL NOT BE LESS THAN CLASS I OR II
   2. ALL FLOORS MUST HAVE SLIP RESISTANT SURFACES

PROJECT DESCRIPTION: PROJECT CONSISTS OF REMOVAL OF EXISTING CARPETING IN CONCOURSE, TICKETING, BAGGAGE CLAIM AREAS AND BOARDROOM SUITE, AND REMOVAL OF EXISTING COLUMN ENCLOSURES, TO ALLOW FOR NEW HARD FLOORING INSTALLATION. THERE WILL BE NO CHANGE TO THE EXISTING OCCUPANCY, NO CHANGE TO EXISTING EGRESS ROUTES AND EMERGENCY EXITS.

CLIENT

Rhode Island T.F. Green International Airport

RHODE ISLAND AIRPORT CORPORATION

2000 POST RD.
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ARCHITECT

ZDS

ZDS inc.

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+1.202.660.0555

PROJECT NAME

RHODE ISLAND T.F. GREEN INTERNATIONAL AIRPORT

CONTRACT NO. 35219

2000 POST ROAD WARWICK, RI 02886

ZDS PROJECT NO. 24017

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

SK DATE/REF:

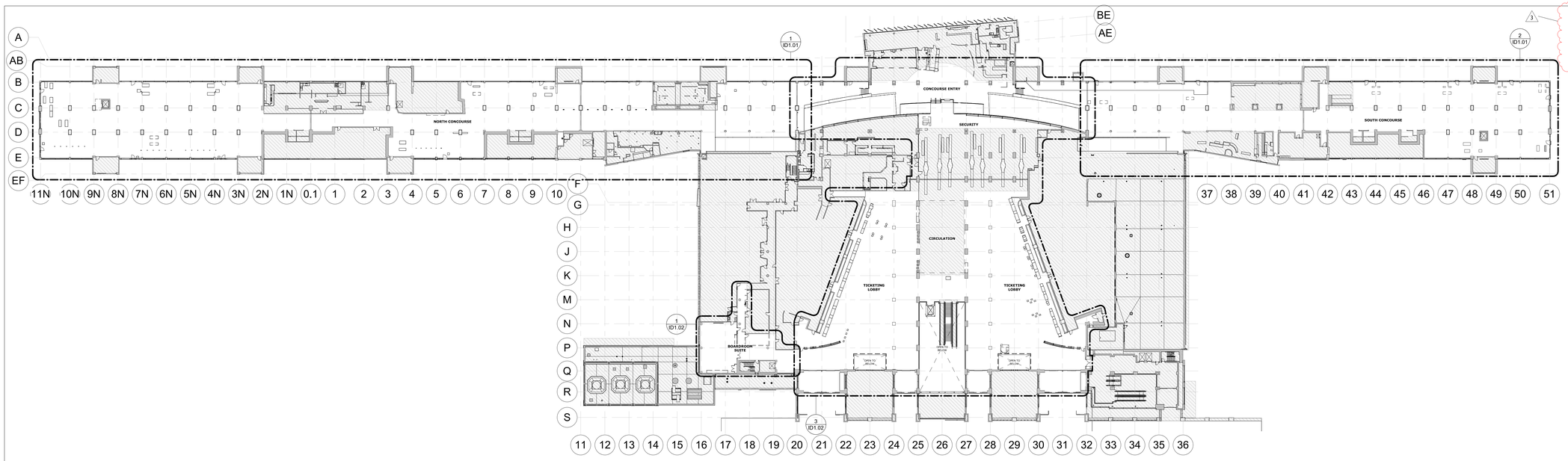
SHEET TITLE

COVER & GENERAL

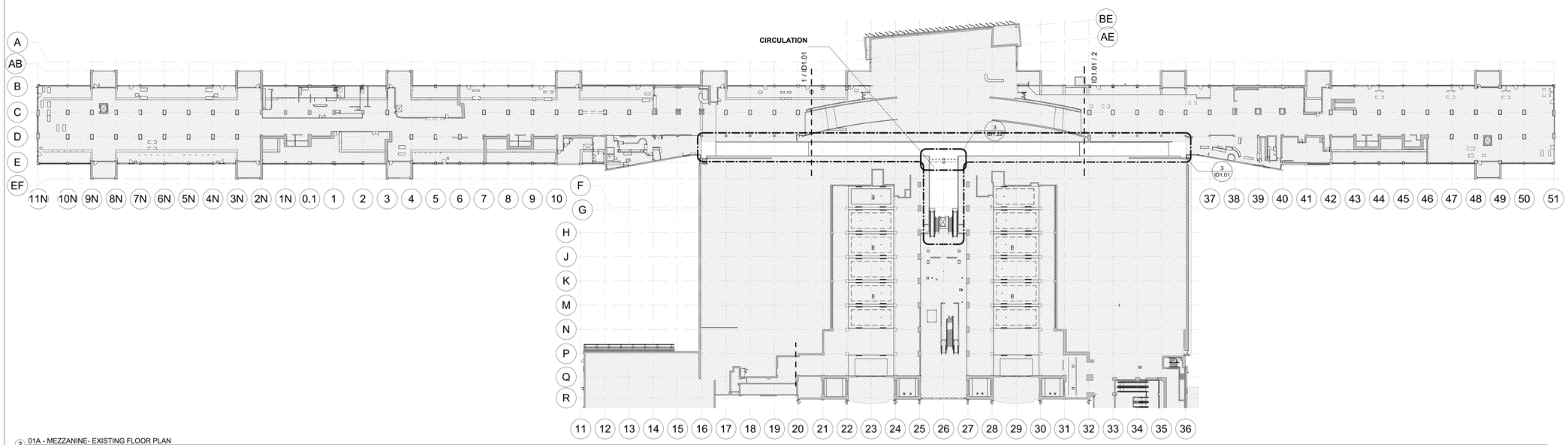
DRAWING NO.

C1

PLOT CREATED: 9/6/2024 5:19:57 PM



1 02 - FLOOR 02 - EXISTING FLOOR PLAN
1" = 40'-0"



2 01A - MEZZANINE- EXISTING FLOOR PLAN
1" = 40'-0"

3 01 - FLOOR 01 - EXISTING FLOOR PLAN
1" = 40'-0"

DEMO NOTES:

1. ALL DEMOLITION WORK, WHILE SHOWN ON OVERALL PLANS, ARE MORE DETAILED IN NATURE ON ENLARGED PLANS. REFER TO ENLARGED PLANS FOR ANNOTATIONS.

PLAN LEGEND:

- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- DEMOLISH
- # REFER TO KEYNOTE
- # TYP REFER TO KEYNOTE, TYPICAL NOTE
- NOT IN SCOPE

CLIENT

Rhode Island
T. F. Green International Airport

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WASHINGTON, DC 20005
+1.202.660.0555

PROJECT INFO

TRUE NORTH:

PROJECT NAME

RHODE ISLAND T.F. GREEN INTERNATIONAL AIRPORT

CONTRACT NO. 35219

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

SK DATE/REF:

SHEET TITLE

EXISTING/DEMO FLOOR PLANS - OVERALL

DRAWING NO.

ID1.00

PLOT CREATED: 9/6/2024 5:20:04 PM

DEMO NOTES:

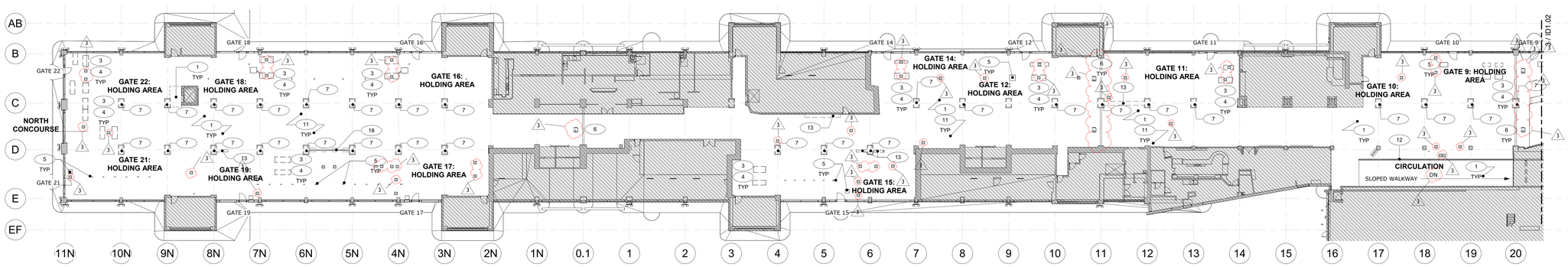
1. ALL DIRECTION TO REMOVE AND DISPOSE OF ANY ITEM AND ALL OF ITS ASSOCIATED PARTS IN ITS ENTIRETY, IS NOTED BY THE USE OF ANY OF THE FOLLOWING LANGUAGE: "REMOVE", "REMOVE AND DISPOSE", "R/D", "DEMOLISH", "DEMO".
2. DEMOLITION SCOPE IS DESCRIBED THROUGHOUT THE DOCUMENT SET. SELECTIVE DEMOLITION FOR PIPE, DUCT, AND OTHER MEP OR STRUCTURAL PENETRATIONS ARE TO BE PROVIDED AND OVER-DEMOLISH AS REQUIRED TO PROPERLY INSTALL NEW WORK. GC IS RESPONSIBLE TO DETERMINE EXTENT OF DEMOLITION REQUIRED TO PROPERLY COMPLETE WORK.
3. DRAWINGS ARE FOR ILLUSTRATIVE PURPOSES AND MAY NOT SHOW ALL DEMOLITION WORK REQUIRED TO COMPLETE THE CONTRACT WORK.
4. REMOVE ALL UNNECESSARY/ ABANDONED IN PLACE/ OR EXTRANEOUS M,E,P,P SYSTEMS WORK. GC TO VERIFY.
5. THE GENERAL CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR REMOVING ALL EXISTING MATERIALS WHICH WOULD OTHERWISE INTERFERE WITH THE PROPER INSTALLATION OR FUNCTION OF THE NEW WORK.
6. PROTECT EXISTING TO REMAIN AREAS DURING CONSTRUCTION AND DEMOLITION ACTIVITIES. PATCH & REPAIR ANY DAMAGE CAUSED DURING CONSTRUCTION OR DEMOLITION ACTIVITIES.
7. IN AREAS INDICATED FOR DEMOLITION, REMOVE ALL FINISH FLOORING AND ALL ASSOCIATED MASTICS AND FASTENERS. REMOVE ALL FINISHES DOWN TO SUBFLOOR LAYER. NOTE EXISTING CONDUIT, PIPES AND ELECTRICAL SCHEDULED TO BE DEMOLISHED ARE TO BE REMOVED TO BELOW SLAB FOR PROPER INSTALLATION OF NEW FLOORING. REMOVE ALL BASE AND BASE CAPS WHETHER INTEGRAL TO FLOOR MATERIAL OR NOT. FLASH PATCH HOLES RESULTING FROM DEMOLITIONS, ALL PREPARATORY WORKS SHALL BE TO THE SATISFACTION OF THE MANUFACTURERS
8. WALLS: PREPARE ALL EXISTING WALL SURFACES, NO EXCEPTION, WITHIN PROJECT WORK AREA; BY SCRAPING, CLEANING, AND FREE ALL WALLS OF MASTIC, LOOSE PAINTS, MISC. FASTENERS, HOOKS, TACKS, STAPLES, HONEYCOMBING, ETC. NOTE EXISTING CONDUIT, PIPES AND ELECTRICAL SCHEDULED TO BE DEMOLISHED ARE TO BE REMOVED AND CAPPED TO WITHIN WALL CAVITY OR ABOVE FINISHED CEILING. FLASH PATCH HOLES RESULTING FROM DEMOLITIONS, ALL PREPARATORY WORKS SHALL BE TO THE SATISFACTION OF THE MANUFACTURERS STANDARDS FOR THE NEW PRODUCT. EXISTING WALL BASE SHALL BE REMOVED, SALVAGED AND REINSTALLED FOLLOWING COMPLETION OF NEW WORK.
9. WHERE THE PLANS CALL FOR THE REMOVAL OF AN ITEM, BOARD, PANEL, DEVICES, EQUIPMENT, ETC. IT IS UNDERSTOOD THAT ALL ASSOCIATED ANCHORING SYSTEMS AND ACCESSORIES AND/OR HARDWARE SHALL BE REMOVED ACCORDINGLY.
10. NO MAIN FRAMING OR STRUCTURAL MEMBERS ARE TO BE MODIFIED, ALTERED, OR CUT WITHOUT THE APPROVAL OF THE A STRUCTURAL ENGINEER.
11. ALL EXISTING LIGHT FIXTURES, OUTLETS, AND WIRES TO BE REMOVED BACK TO SOURCE AT NOTED LOCATIONS. CONFIRM WITH ELEC ENGINEER.
12. ALL INTERIOR PARTITIONS SHOWN AS DASHED ARE TO BE REMOVED AND DISPOSED IN THEIR ENTIRETY.
13. THE LIST OF DEMOLITION KEY NOTES IS GENERAL IN NATURE AND INCLUDED FOR THE CONTRACTOR'S CONVENIENCE. ALL DEMOLITION REQUIRED FOR THE WORK INCLUDES, BUT IS NOT LIMITED TO THOSE AREAS NOTED BY DEMOTION KEY NOTES.
14. ANY ADDITIONAL DEMOLITION AND/OR STRUCTURAL SHORING WILL BE COORDINATED BY GENERAL CONTRACTOR.
15. PRIOR TO COMMENCEMENT OF ANY WORK ALL LEAD & ASBESTOS TESTING SHALL BE PERFORMED BY OWNER.
16. ANY PARTITIONS THAT HAVE BEEN NOTED TO BE DEMOLISHED THAT CONTAIN ELECTRICAL, FIRE ALARM, SECURITY, OR DATA AND AV SHALLBE BROUGHT BACK TO THE CLOSEST BACK BOX OR PANEL. GC TO COORDINATE WITH OWNER ANY ADDITIONAL REQUIREMENTS NEEDED FOR THE AFOREMENTIONED SYSTEMS.
17. ANY PARTITIONS THAT HAVE BEEN NOTED TO BE DEMOLISHED THAT CONTAIN PLUMBING, FIRE PROTECTION, OR MECHANICAL SHALL BE REVIEWED BY THE GENERAL CONTRACTOR AND SHALL BE RELOCATED TO BE BURIED IN NEAREST EXISTING TO-REMAIN WALL. CONTRACTOR SHALL REVIEW WITH OWNER/ARCHITECT AND CONFIRM THE FINAL LOCATION OF RELOCATED SYSTEMS.
18. ALL FIRE RESISTANCE RATINGS SHALL BE MAINTAINED. ANY FIRE PROOFING/ASSEMBLIES THAT ARE DISTURBED SHALL BE RECONSTRUCTED WITH THE APPROPRIATE RATING. THE BUILDING IS ASSUMED TO BE TYPE 1A. CONTRACTOR SHALL PROVIDE FIRE RESISTANCE RATING IN ACCORDANCE WITH TABLE 601 OF THE INTERNATIONAL BUILDING CODE.
19. CONFIRM LOCATIONS & QUANTITIES OF EXISTING POWER/ DATA/ FIRE ALARM, MEP. CAP AND BRING BACK TO EXISTING.
20. ALL SALVAGED MATERIAL SHALL BE STORED AT A SECURE LOCATION ON SITE AS COORDINATED WITH OWNER.
21. DUMPSTERS USED FOR DISPOSAL SHALL BE COVERED.
22. EXISTING FLOOR BOXES TO BE RELOCATED TO NEAREST NEW FLOOR BOX. REFER TO NEW WORK. PATCH AND REPAIR AS REQUIRED FOR NEW WORK.
23. PRELIMINARY SITE WALK PRIOR TO CONSTRUCTION IS REQUIRED. GC RESPONSIBLE FOR LOCATING EXISTING FLOOR EXPANSION/CONTROL JOINTS, FLOOR POWER/DATA AND FLOOR-MOUNTED CUSTOMER KIOSKS. DOCUMENTATION OF THESE ITEMS SHALL BE RECORDED AND PROVIDED TO THE ARCHITECT FOR RECORD.
24. DIMENSIONS
    - A. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS IN-FIELD.
    - B. DRAWINGS ARE NOT TO BE SCALED; VERIFY ANY MISSING OR CONFLICTING DRAWN DIMENSIONS W/ ARCHITECT PRIOR TO CONSTRUCTION.
    - C. NOTIFY ARCHITECT OF CONDITIONS WHERE "CLEAR" OR CRITICAL DIMENSIONS ARE DESIGNATED BUT CANNOT BE MET OR WHERE CORRIDOR/AISLE WIDTH CANNOT MEET MINIMUM REQUIREMENTS.
    - D. MAINTAIN FINISH FLOOR BASE ELEVATION THROUGHOUT THE CONTRACT AREA SUCH THAT ALL DIMENSIONS INDICATED AS "ABOVE FINISH FLOOR" ARE AT THE SAME ELEVATION.
    - E. ALL DIMENSIONS OF FIXTURES, DEVICES, ETC. ARE TO C/L OF FIXTURE, U.N.O. WHERE ITEMS ARE IN LINE, CENTERLINE OF ITEMS OR GROUPS OF ITEMS ARE TO ALIGN U.N.O.

PLAN LEGEND:

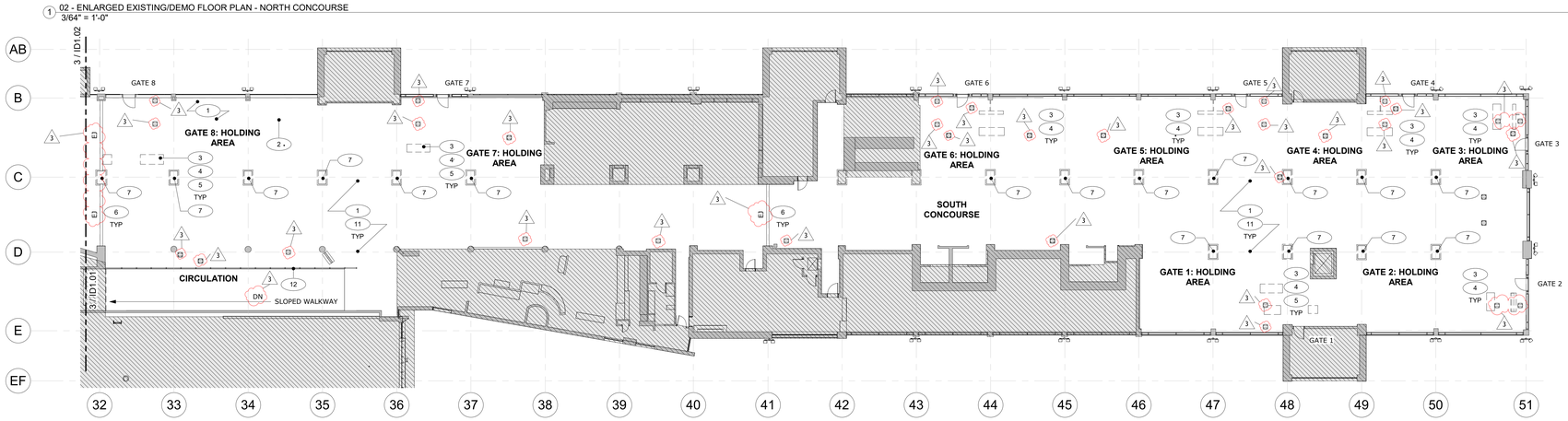
- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- DEMOLISH
- EXISTING TO REMAIN FLOOR BOX
- # REFER TO KEYNOTE
- # TYP REFER TO KEYNOTE, TYPICAL NOTE
- NOT IN SCOPE

DEMO PLAN KEYNOTES:

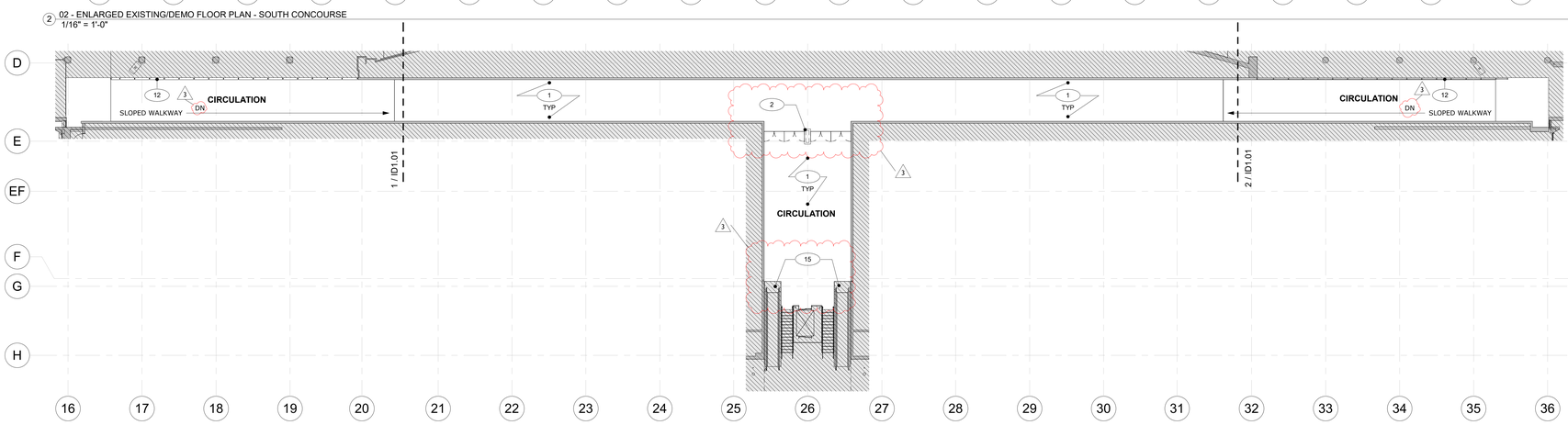
1. REMOVE EXISTING FLOORING IN ITS ENTIRETY. GRIND DOWN TO EXISTING SUB FLOOR TO REMOVE ANY AND ALL MASTICS, GLUE & ASSOCIATED DEBRIS. AND PREPARE SUB FLOOR FOR INSTALLATION OF NEW MATERIALS CONSISTENT WITH MANUFACTURER'S INSTRUCTIONS.
2. REMOVE AND DISPOSE OF WALL IN ITS ENTIRETY.
3. REMOVE AND SALVAGE EXISTING TICKETING DESKS FOR REINSTALLATION IN NEW WORK. OWNER TO PROVIDE STORAGE LOCATION FOR SALVAGED ITEMS ON SITE.
4. REMOVE AND SALVAGE EXISTING DISPLAY SCREENS FOR REINSTALLATION IN NEW WORK. AIRLINES WILL BE RESPONSIBLE FOR DISCONNECTION AND REMOVAL OF EQUIPMENT. GC TO REMOVE AND SALVAGE ALL ASSOCIATED MILLWORK & COUNTERS. OWNER TO PROVIDE STORAGE LOCATION FOR SALVAGED ITEMS ON SITE.
5. REMOVE AND SALVAGE EXISTING AIRLINE EQUIPMENT FOR REINSTALLATION IN NEW WORK. AIRLINES WILL BE RESPONSIBLE FOR DISCONNECTION AND REMOVAL OF EQUIPMENT. GC TO REMOVE AND SALVAGE ALL ASSOCIATED MILLWORK, COUNTERS, ETC. OWNER TO PROVIDE STORAGE LOCATION FOR SALVAGED ITEMS ON SITE.
6. EXISTING EXPANSION JOINT TO REMAIN. PREPARE SUBFLOOR AND THRESHOLD TO ACCEPT NEW FLOORING MATERIALS, WHILE MAINTAINING ADA (ANSI 117.1) TOLERANCES. REMOVE AND REPLACE GASKETING AS REQUIRED.
7. REMOVE EXISTING FRAMED ENCLOSURES SURROUNDING COLUMNS. PREPARE FOR NEW ENCLOSURES.
8. REMOVE AND SALVAGE EXISTING CASEWORK IN ITS ENTIRETY FOR REINSTALLATION IN NEW WORK. COORDINATE WITH ARCHITECT/OWNER.
9. REMOVE EXISTING FLOOR ACCESS DOORS AND PREPARE FOR NEW WORK.
10. REMOVE AND SALVAGE EXISTING LARGE FORMAT ART AND/OR SCULPTURES.
11. REMOVE AND SALVAGE EXISTING EQUIPMENT & FURNITURE FOR REINSTALLATION IN NEW WORK. COORDINATE WITH OWNER PRIOR TO EQUIPMENT REMOVAL AND REINSTALLATION REGARDING SPECIAL REQUIREMENTS.
12. REMOVE AND SALVAGE EXISTING HANDRAILS AND GUARDRAILS FOR REINSTALLAION IN NEW WORK. PROVIDE TEMPORARY HANDRAILS AND GUARDRAILS AS REQUIRED TO FACILITATE NEW WORK AND REINSTALLATION OF SALVAGED MATERIALS.
13. REMOVE AND DISPOSE OF CASEWORK IN ITS ENTIRETY. PATCH AND REPAIR EXISTING TO REMAIN ELEMENTS SURROUNDING THE CASEWORK.
14. REMOVE AND DISPOSE OF EXISTING HANDRAIL, STAIRS AND ASSOCIATED EQUIPMENT. PREPARE FOR NEW STAIRS AND HANDRAIL DESIGN.
15. EXISTING ESCALATOR FLOOR GRILLE TO REMAIN.
16. DEMOLISH AND DISPOSE PORTION OF EXISTING FLOOR SLAB TO ACCOMODATE NEW WORK.
17. TRENCHING FOR NEW WORK POWER. LOCATION SHOWN IS APPROXIMATE AND SHALL BE CONFIRMED ON SITE AND COORDINATED WITH ARCHITECT/ DESIGNER.
18. DEMO GLASS BLOCK KNEE WALL IN ITS ENTIRETY AND PREPARE FOR NEW WORK.
19. REFER TO DETAIL 4 ON ID1.02 FOR REMOVAL OF EXISTING ENCLOSURES SURROUNDING COLUMNS. PREPARE FOR NEW ENCLOSURES.



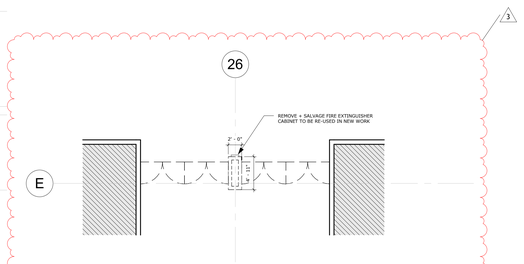
1 02 - ENLARGED EXISTING/DEMO FLOOR PLAN - NORTH CONCOURSE
3/64" = 1'-0"



2 02 - ENLARGED EXISTING/DEMO FLOOR PLAN - SOUTH CONCOURSE
1/16" = 1'-0"



3 01A - ENLARGED EXISTING/DEMO FLOOR PLAN - MEZZANINE
1/16" = 1'-0"



4 MEZZANINE - EXISTING FLOOR PLAN
1/8" = 1'-0"

CLIENT

Rhode Island T.F. Green International Airport

RHODE ISLAND AIRPORT CORPORATION

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PROJECT INFO

TRUE NORTH:

PROJECT NAME

RHODE ISLAND T.F. GREEN INTERNATIONAL AIRPORT

CONTRACT NO. 35219

2000 POST ROAD WARWICK, RI 02886

ZDS PROJECT NO. 24017

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

SK DATE/REF:

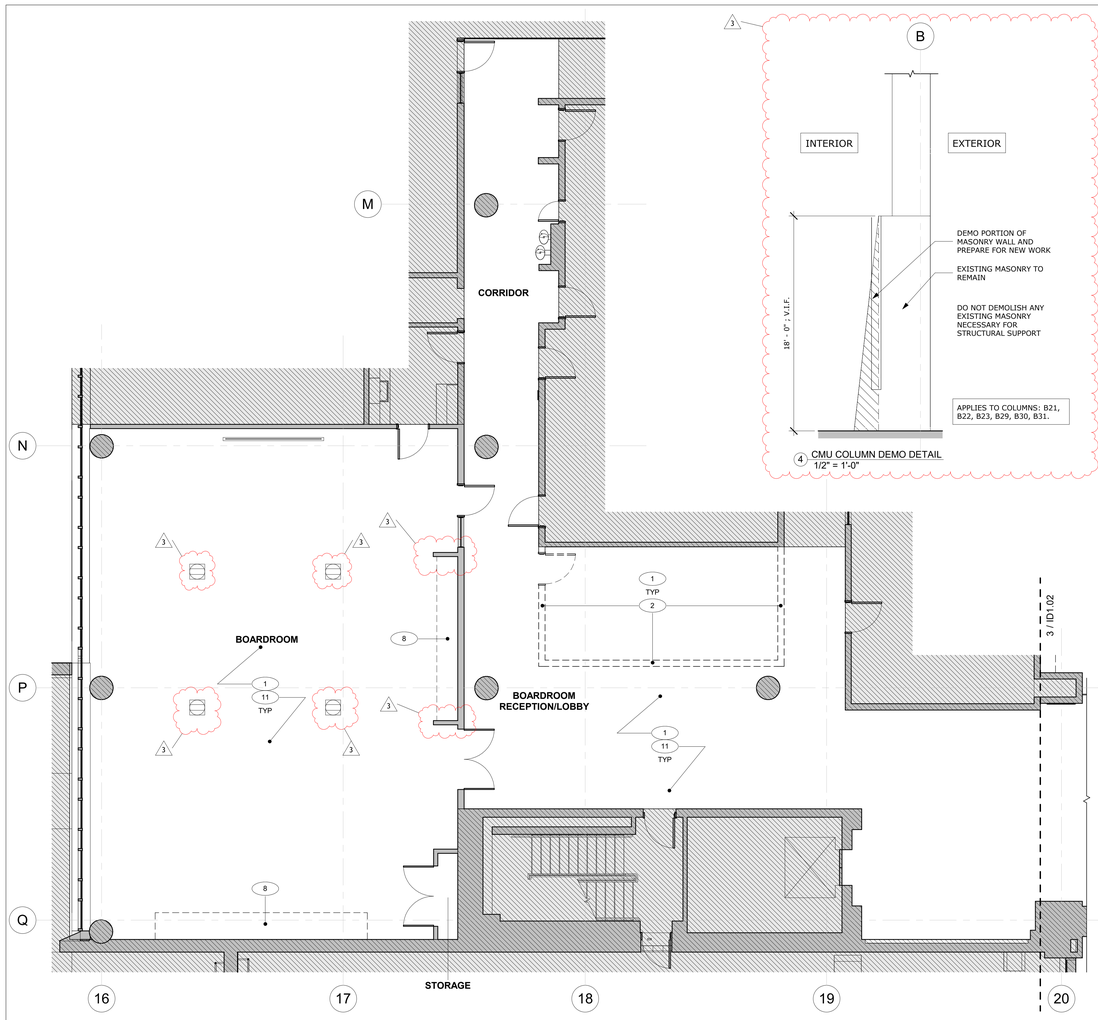
SHEET TITLE

EXISTING/DEMO FLOOR PLANS - ENLARGED

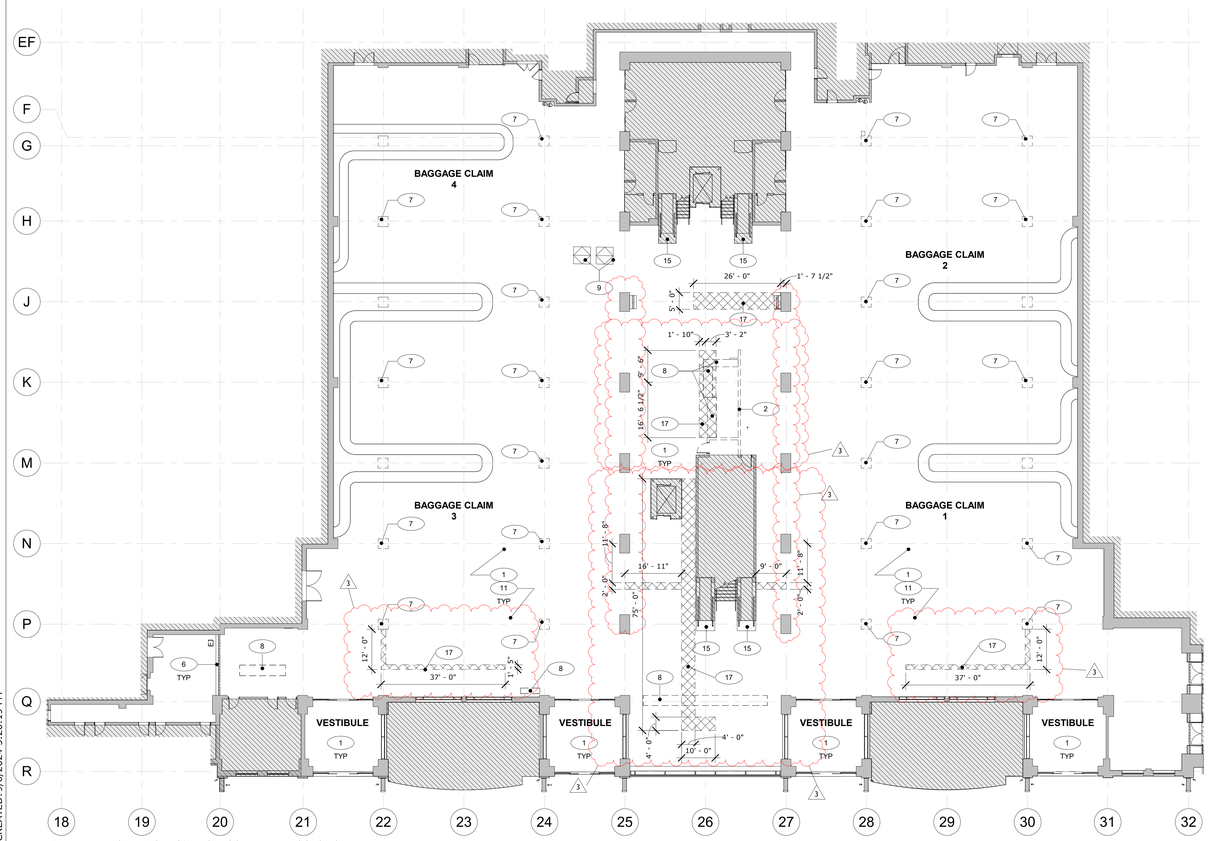
DRAWING NO.

ID1.01

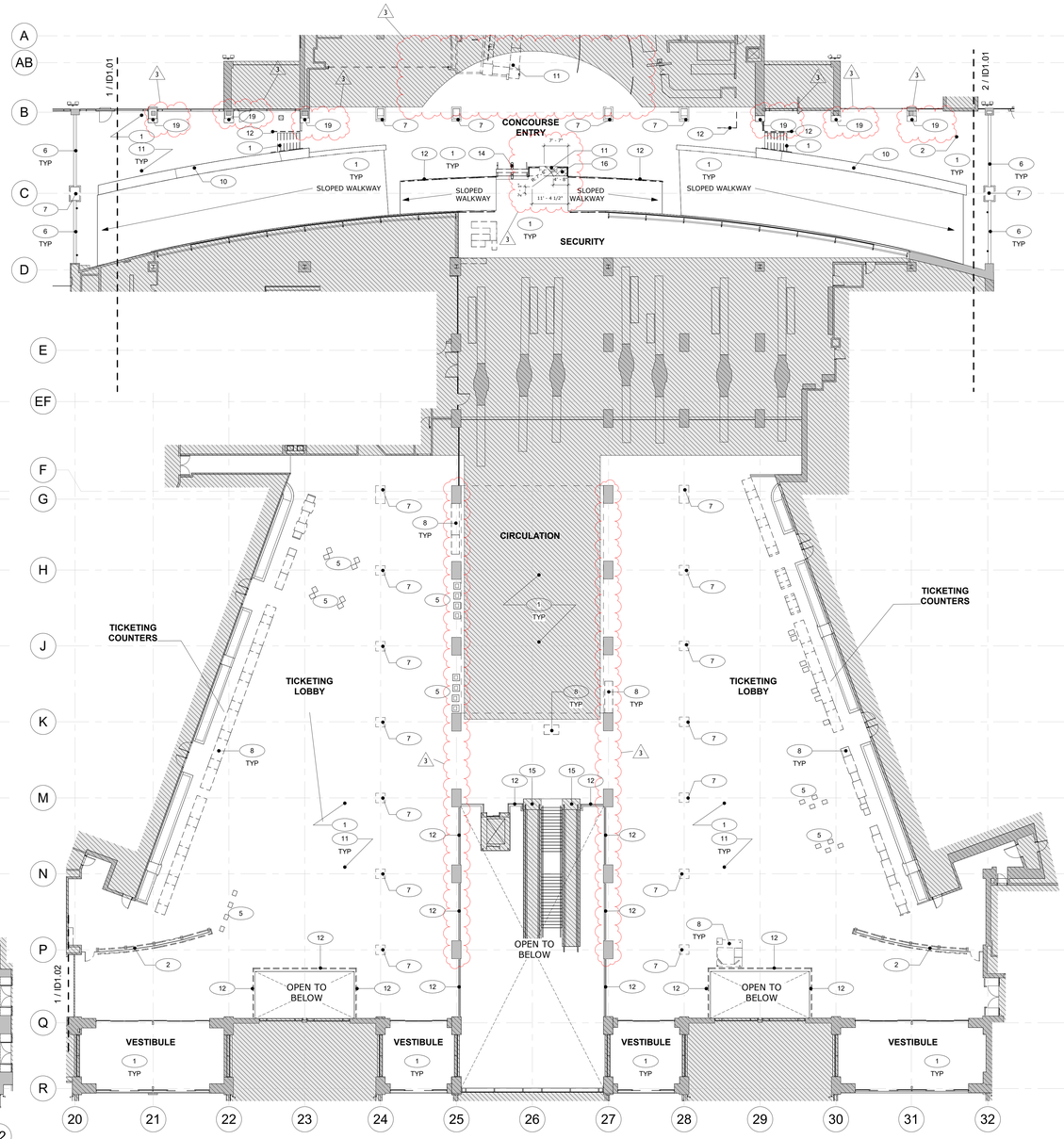
PLOT CREATED:9/6/2024 5:20:12 PM



1 02 -ENLARGED EXISTING/DEMO FLOOR PLAN - BOARDROOM SUITE
3/16" = 1'-0"



2 01 - ENLARGED EXISTING/DEMO FLOOR PLAN - BAGGAGE CLAIM
1/16" = 1'-0"



3 02 - ENLARGED EXISTING/DEMO PLAN - TICKETING / SECURITY
1/16" = 1'-0"

DEMO NOTES:

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2. DEMOLITION SCOPE IS DESCRIBED THROUGHOUT THE DOCUMENT SET. SELECTIVE DEMOLITION FOR PIPE, DUCT, AND OTHER MEP OR STRUCTURAL PENETRATIONS ARE TO BE PROVIDED AND OVER-DEMOLISH AS REQUIRED TO PROPERLY INSTALL NEW WORK. GC IS RESPONSIBLE TO DETERMINE EXTENT OF DEMOLITION REQUIRED TO PROPERLY COMPLETE WORK.
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6. PROTECT EXISTING TO REMAIN AREAS DURING CONSTRUCTION AND DEMOLITION ACTIVITIES. PATCH & REPAIR ANY DAMAGE CAUSED DURING CONSTRUCTION OR DEMOLITION ACTIVITIES.
7. IN AREAS INDICATED FOR DEMOLITION, REMOVE ALL FINISH FLOORING AND ALL ASSOCIATED MASTICS AND FASTENERS. REMOVE ALL FINISHES DOWN TO SUBFLOOR LAYER. NOTE EXISTING CONDUIT, PIPES AND ELECTRICAL SCHEDULED TO BE DEMOLISHED ARE TO BE REMOVED TO BELOW SLAB FOR PROPER INSTALLATION OF NEW FLOORING. REMOVE ALL BASE AND BASE CAPS WHETHER INTEGRAL TO FLOOR MATERIAL OR NOT. FLASH PATCH HOLES RESULTING FROM DEMOLITIONS, ALL PREPARATORY WORKS SHALL BE TO THE SATISFACTION OF THE MANUFACTURERS
8. WALLS: PREPARE ALL EXISTING WALL SURFACES, NO EXCEPTION, WITHIN PROJECT WORK AREA; BY SCRAPING, CLEANING, AND FREE ALL WALLS OF MASTIC, LOOSE PAINTS, MISC. FASTENERS, HOOKS, TACKS, STAPLES, HONEYCOMBING, ETC. NOTE EXISTING CONDUIT, PIPES AND ELECTRICAL SCHEDULED TO BE DEMOLISHED ARE TO BE REMOVED AND CAPPED TO WITHIN WALL CAVITY OR ABOVE FINISHED CEILING. FLASH PATCH HOLES RESULTING FROM DEMOLITIONS, ALL PREPARATORY WORKS SHALL BE TO THE SATISFACTION OF THE MANUFACTURERS STANDARDS FOR THE NEW PRODUCT. EXISTING WALL BASE SHALL BE REMOVED, SALVAGED AND REINSTALLED FOLLOWING COMPLETION OF NEW WORK.
9. WHERE THE PLANS CALL FOR THE REMOVAL OF AN ITEM, BOARD, PANEL, DEVICES, EQUIPMENT, ETC. IT IS UNDERSTOOD THAT ALL ASSOCIATED ANCHORING SYSTEMS AND ACCESSORIES AND/OR HARDWARE SHALL BE REMOVED ACCORDINGLY.
10. NO MAIN FRAMING OR STRUCTURAL MEMBERS ARE TO BE MODIFIED, ALTERED, OR CUT WITHOUT THE APPROVAL OF THE A STRUCTURAL ENGINEER.
11. ALL EXISTING LIGHT FIXTURES, OUTLETS, AND WIRES TO BE REMOVED BACK TO SOURCE AT NOTED LOCATIONS. CONFIRM WITH ELEC ENGINEER.
12. ALL INTERIOR PARTITIONS SHOWN AS DASHED ARE TO BE REMOVED AND DISPOSED IN THEIR ENTIRETY.
13. THE LIST OF DEMOLITION KEY NOTES IS GENERAL IN NATURE AND INCLUDED FOR THE CONTRACTOR'S CONVENIENCE. ALL DEMOLITION REQUIRED FOR THE WORK INCLUDES, BUT IS NOT LIMITED TO THOSE AREAS NOTED BY DEMOTION KEY NOTES.
14. ANY ADDITIONAL DEMOLITION AND/OR STRUCTURAL SHORING WILL BE COORDINATED BY GENERAL CONTRACTOR.
15. PRIOR TO COMMENCEMENT OF ANY WORK ALL LEAD & ASBESTOS TESTING SHALL BE PERFORMED BY OWNER.
16. ANY PARTITIONS THAT HAVE BEEN NOTED TO BE DEMOLISHED THAT CONTAIN ELECTRICAL, FIRE ALARM, SECURITY, OR DATA AND AV SHALLBE BROUGHT BACK TO THE CLOSEST BACK BOX OR PANEL. GC TO COORDINATE WITH OWNER ANY ADDITIONAL REQUIREMENTS NEEDED FOR THE AFOREMENTIONED SYSTEMS.
17. ANY PARTITIONS THAT HAVE BEEN NOTED TO BE DEMOLISHED THAT CONTAIN PLUMBING, FIRE PROTECTION, OR MECHANICAL SHALL BE REVIEWED BY THE GENERAL CONTRACTOR AND SHALL BE RELOCATED TO BE BURIED IN NEAREST EXISTING TO-REMAIN WALL. CONTRACTOR SHALL REVIEW WITH OWNER/ARCHITECT AND CONFIRM THE FINAL LOCATION OF RELOCATED SYSTEMS.
18. ALL FIRE RESISTANCE RATINGS SHALL BE MAINTAINED. ANY FIRE PROOFING/ASSEMBLIES THAT ARE DISTURBED SHALL BE RECONSTRUCTED WITH THE APPROPRIATE RATING. THE BUILDING IS ASSUMED TO BE TYPE 1A. CONTRACTOR SHALL PROVIDE FIRE RESISTANCE RATING IN ACCORDANCE WITH TABLE 601 OF THE INTERNATIONAL BUILDING CODE.
19. CONFIRM LOCATIONS & QUANTITIES OF EXISTING POWER/ DATA/ FIRE ALARM, MEP. CAP AND BRING BACK TO EXISTING.
20. ALL SALVAGED MATERIAL SHALL BE STORED AT A SECURE LOCATION ON SITE AS COORDINATED WITH OWNER.
21. DUMPSTERS USED FOR DISPOSAL SHALL BE COVERED.
22. EXISTING FLOOR BOXES TO BE RELOCATED TO NEAREST NEW FLOOR BOX. REFER TO NEW WORK. PATCH AND REPAIR AS REQUIRED FOR NEW WORK.
23. PRELIMINARY SITE WALK PRIOR TO CONSTRUCTION IS REQUIRED. GC RESPONSIBLE FOR LOCATING EXISTING FLOOR EXPANSION/CONTROL JOINTS, FLOOR POWER/DATA AND FLOOR-MOUNTED CUSTOMER KIOSKS. DOCUMENTATION OF THESE ITEMS SHALL BE RECORDED AND PROVIDED TO THE ARCHITECT FOR RECORD.
24. DIMENSIONS
    - A. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS IN-FIELD.
    - B. DRAWINGS ARE NOT TO BE SCALED; VERIFY ANY MISSING OR CONFLICTING DRAWN DIMENSIONS W/ ARCHITECT PRIOR TO CONSTRUCTION.
    - C. NOTIFY ARCHITECT OF CONDITIONS WHERE "CLEAR" OR CRITICAL DIMENSIONS ARE DESIGNATED BUT CANNOT BE MET OR WHERE CORRIDOR/AISLE WIDTH CANNOT MEET MINIMUM REQUIREMENTS.
    - D. MAINTAIN FINISH FLOOR BASE ELEVATION THROUGHOUT THE CONTRACT AREA SUCH THAT ALL DIMENSIONS INDICATED AS "ABOVE FINISH FLOOR" ARE AT THE SAME ELEVATION.
    - E. ALL DIMENSIONS OF FIXTURES, DEVICES, ETC. ARE TO C/L OF FIXTURE, U.N.O. WHERE ITEMS ARE IN LINE, CENTERLINE OF ITEMS OR GROUPS OF ITEMS ARE TO ALIGN U.N.O.

PLAN LEGEND:

- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- DEMOLISH
- EXISTING TO REMAIN FLOOR BOX
- # REFER TO KEYNOTE
- # TYP REFER TO KEYNOTE, TYPICAL NOTE
- NOT IN SCOPE

DEMO PLAN KEYNOTES:

1. REMOVE EXISTING FLOORING IN ITS ENTIRETY. GRIND DOWN TO EXISTING SUB FLOOR TO REMOVE ANY AND ALL MASTICS, GLUE & ASSOCIATED DEBRIS. AND PREPARE SUB FLOOR FOR INSTALLATION OF NEW MATERIALS CONSISTENT WITH MANUFACTURER'S INSTRUCTIONS.
2. REMOVE AND DISPOSE OF WALL IN ITS ENTIRETY.
3. REMOVE AND SALVAGE EXISTING TICKETING DESKS FOR REINSTALLATION IN NEW WORK. OWNER TO PROVIDE STORAGE LOCATION FOR SALVAGED ITEMS ON SITE.
4. REMOVE AND SALVAGE EXISTING DISPLAY SCREENS FOR REINSTALLATION IN NEW WORK. AIRLINES WILL BE RESPONSIBLE FOR DISCONNECTION AND REMOVAL OF EQUIPMENT. GC TO REMOVE AND SALVAGE ALL ASSOCIATED MILLWORK & COUNTERS. OWNER TO PROVIDE STORAGE LOCATION FOR SALVAGED ITEMS ON SITE.
5. REMOVE AND SALVAGE EXISTING AIRLINE EQUIPMENT FOR REINSTALLATION IN NEW WORK. AIRLINES WILL BE RESPONSIBLE FOR DISCONNECTION AND REMOVAL OF EQUIPMENT. GC TO REMOVE AND SALVAGE ALL ASSOCIATED MILLWORK, COUNTERS, ETC. OWNER TO PROVIDE STORAGE LOCATION FOR SALVAGED ITEMS ON SITE.
6. EXISTING EXPANSION JOINT TO REMAIN. PREPARE SUBFLOOR AND THRESHOLD TO ACCEPT NEW FLOORING MATERIALS, WHILE MAINTAINING ADA (ANSI 117.1) TOLERANCES. REMOVE AND REPLACE GASKETING AS REQUIRED.
7. REMOVE EXISTING FRAMED ENCLOSURES SURROUNDING COLUMNS. PREPARE FOR NEW ENCLOSURES.
8. REMOVE AND SALVAGE EXISTING CASEWORK IN ITS ENTIRETY FOR REINSTALLATION IN NEW WORK. COORDINATE WITH ARCHITECT/OWNER.
9. REMOVE EXISTING FLOOR ACCESS DOORS AND PREPARE FOR NEW WORK.
10. REMOVE AND SALVAGE EXISTING LARGE FORMAT ART AND/OR SCULPTURES.
11. REMOVE AND SALVAGE EXISTING EQUIPMENT & FURNITURE FOR REINSTALLATION IN NEW WORK. COORDINATE WITH OWNER PRIOR TO EQUIPMENT REMOVAL AND REINSTALLATION REGARDING SPECIAL REQUIREMENTS.
12. REMOVE AND SALVAGE EXISTING HANDRAILS AND GUARDRAILS FOR REINSTALLAION IN NEW WORK. PROVIDE TEMPORARY HANDRAILS AND GUARDRAILS AS REQUIRED TO FACILITATE NEW WORK AND REINSTALLATION OF SALVAGED MATERIALS.
13. REMOVE AND DISPOSE OF CASEWORK IN ITS ENTIRETY. PATCH AND REPAIR EXISTING TO REMAIN ELEMENTS SURROUNDING THE CASEWORK.
14. REMOVE AND DISPOSE OF EXISTING HANDRAIL, STAIRS AND ASSOCIATED EQUIPMENT. PREPARE FOR NEW STAIRS AND HANDRAIL DESIGN.
15. EXISTING ESCALATOR FLOOR GRILLE TO REMAIN.
16. DEMOLISH AND DISPOSE PORTION OF EXISTING FLOOR SLAB TO ACCOMODATE NEW WORK.
17. TRENCHING FOR NEW WORK POWER. LOCATION SHOWN IS APPROXIMATE AND SHALL BE CONFIRMED ON SITE AND COORDINATED WITH ARCHITECT/ DESIGNER.
18. DEMO GLASS BLOCK KNEE WALL IN ITS ENTIRETY AND PREPARE FOR NEW WORK.
19. REFER TO DETAIL 4 ON ID1.02 FOR REMOVAL OF EXISTING ENCLOSURES SURROUNDING COLUMNS. PREPARE FOR NEW ENCLOSURES.

CLIENT

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PROJECT INFO

TRUE NORTH:

PROJECT NAME

RHODE ISLAND T.F. GREEN INTERNATIONAL AIRPORT

CONTRACT NO. 35219

2000 POST ROAD WARWICK, RI 02886

ZDS PROJECT NO. 24017

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

SK DATE/REF:

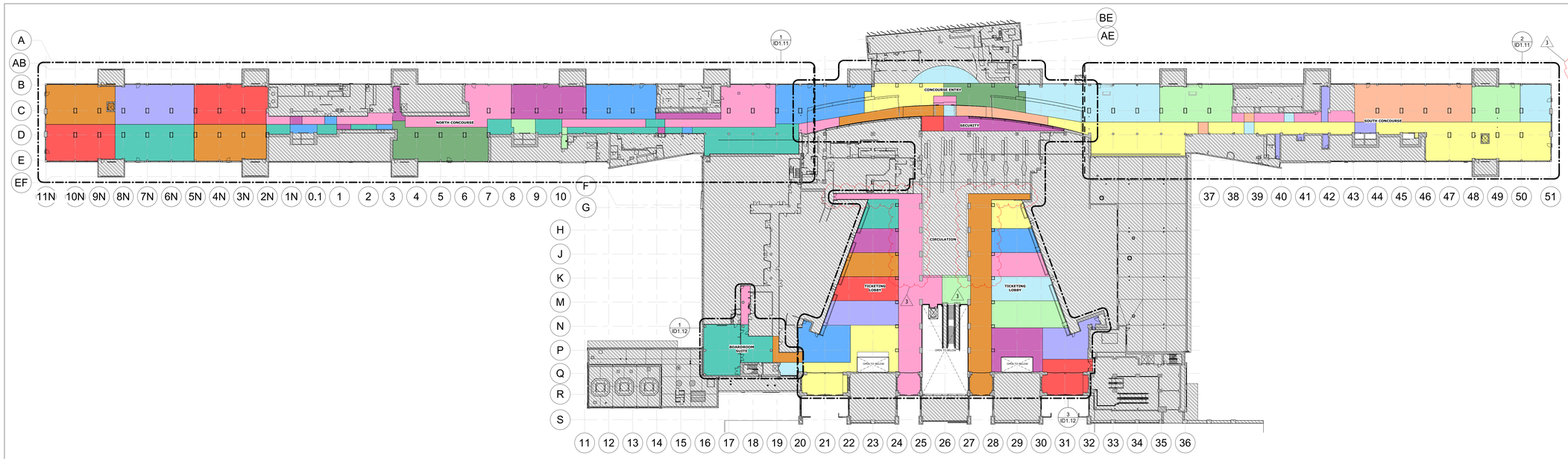
SHEET TITLE

EXISTING/DEMO FLOOR PLANS - ENLARGED

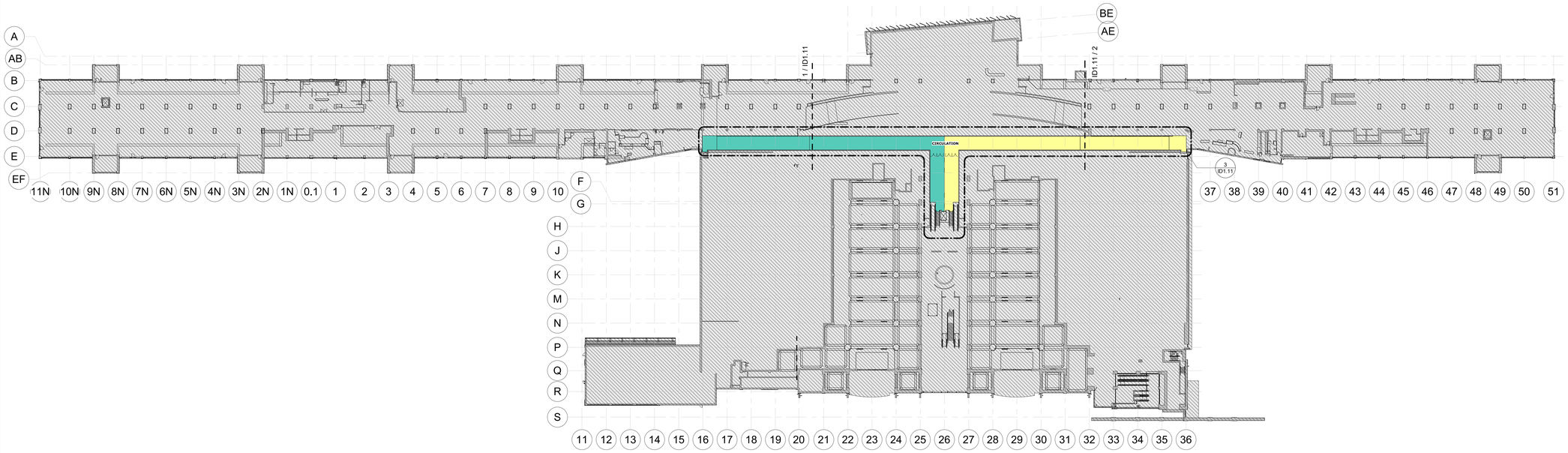
DRAWING NO.

ID1.02

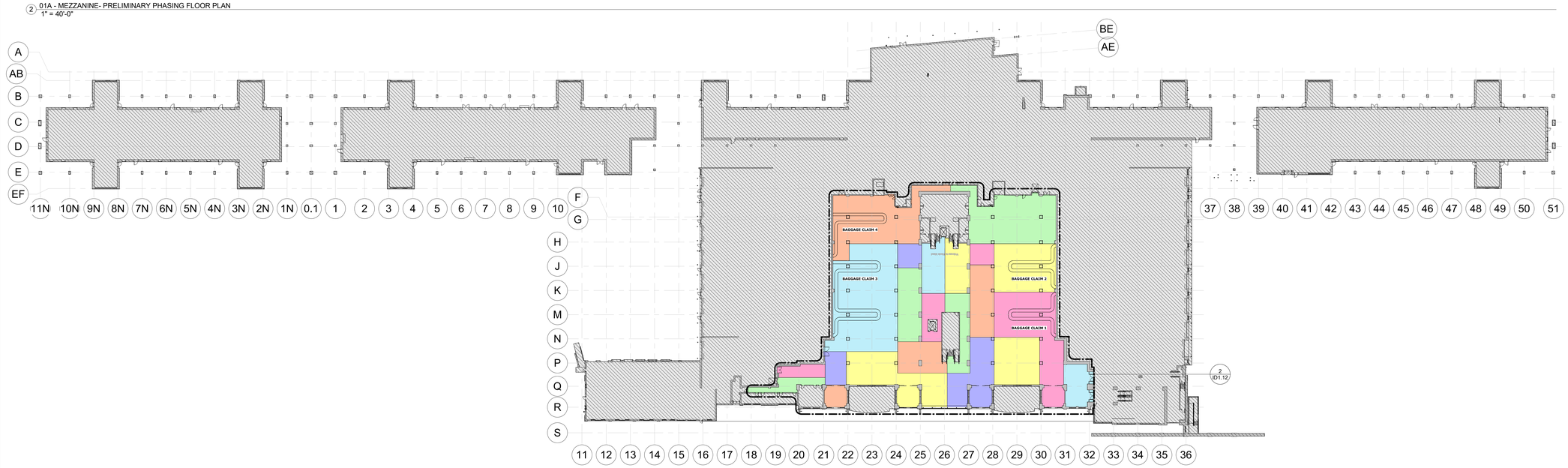
PLOT CREATED: 9/6/2024 5:20:19 PM



1 02 - FLOOR 02 - PRELIMINARY PHASING FLOOR PLAN
1" = 40'-0"



2 01A - MEZZANINE- PRELIMINARY PHASING FLOOR PLAN
1" = 40'-0"



3 01 - FLOOR 01 - PRELIMINARY PHASING FLOOR PLAN
1" = 40'-0"

PRELIMINARY PHASING NOTES:

1. ALL PHASING WORK, WHILE SHOWN ON OVERALL PLANS, ARE MORE DETAILED IN NATURE ON ENLARGED PLANS.
2. **PHASING PLANS (SERIES ID1.1X) ARE REQUIRED TO BE PRINTED IN COLOR.**
3. IT IS THE INTENT THAT, WHERE POSSIBLE, MULTIPLE PHASES OCCUR SIMULTANEOUSLY.

PLAN LEGEND:

- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- DEMOLISH
- # REFER TO KEYNOTE
- # TYP REFER TO KEYNOTE, TYPICAL NOTE
- NOT IN SCOPE
- PHASE A
- PHASE B
- PHASE C
- PHASE D
- PHASE E
- PHASE F
- PHASE G
- PHASE H
- PHASE I
- PHASE J
- PHASE K
- PHASE L

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

SK DATE/REF:

SHEET TITLE

PRELIMINARY PHASING FLOOR PLANS - OVERALL

DRAWING NO.

ID1.10

PLOT CREATED: 9/6/2024 5:20:35 PM

PHASING PLAN NOTES:

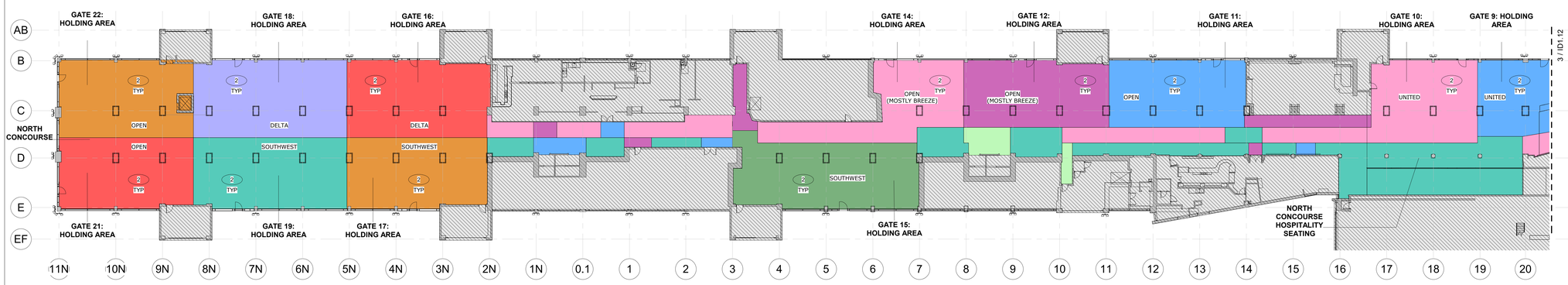
1. ANY CONFLICT BETWEEN SITE CONDITIONS & DRAWINGS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
2. PHASE "X" INDICATES NAMING CONVENTION FOR PHASING GROUPS (WORK TO HAPPEN SIMULTANEOUSLY). BUT DOES NOT NECESSARILY DICTATE PHASE ORDER.
3. **GC TO PROVIDE DETAILED PHASE DIAGRAMS INDICATING ORDER OF PHASES FOR REVIEW FROM OWNER AND ARCHITECT/DESIGNER PRIOR TO CONSTRUCTION.**
4. **PHASING PLANS (SERIES ID1.1X) ARE REQUIRED TO BE PRINTED IN COLOR.**
5. REFER TO ENLARGED PLANS FOR ADDITIONAL INFORMATION, DIMENSIONS, ETC.
6. NOT USED
7. NOT USED
8. NOT USED
9. PHASING PLAN IS SHOWN AS A RECOMMENDATION OF VARIOUS PQURS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CREATING, PROVIDING, AND IMPLEMENTING THE FINAL PHASING PLAN IN COORDINATION WITH OWNER/ARCHITECT. GENERAL CONTRACTOR SHALL ALSO SHOW AND DEMONSTRATE AREAS OF TEMPORARY PARTITIONS, RAMPS, STAIRS, ETC. AND HOW ALL EGRESS COMPONENTS WILL BE MAINTAINED DURING THE ENTIRETY OF THE PROJECT. WORK WILL BE COMPLETED WHILE THE BUILDING IS FULLY OCCUPIED.
10. AIRLINES ARE LOCATED AS A POINT OF REFERENCE AND ARE TO BE REVIEWED ON SITE AND WITH THE OWNER IN CORRESPONDANCE WITH THE CREATION OF THE PHASING DIAGRAM. AIRLINES ARE SUBJECT TO CHANGE AND RELOCATION.
11. AIRLINES INDICATED AS "OPEN" ARE FLEXIBLE AND CAN BE ANY AIRLINE OFFERED AT RHODE ISLAND T.F. GREEN INTERNATIONAL AIRPORT.
12. DURATION AND TIMELINE OF PHASES SHALL BE REVIEWED IN DEPTH WITH THE OWNER.
13. GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ALL TEMPORARY PARTITIONS TO SEPARATE PUBLIC FROM WORK AREA. TEMPORARY PARTITIONS/WALLS SHALL BE A MINIMUM OF 9'-0" AFF. WORK AREAS SHALL BE FULLY CLOSED OFF TO THE PUBLIC AND NO SIGHT LINES ARE TO BE ALLOWED INTO THE WORK AREA. GENERAL CONTRACTOR SHALL ALSO EMPLOY USE OF DUST MITIGATION DURING DEMOLITION PHASES. ALL TEMPORARY PARTITIONS/WALLS WILL ALSO REQUIRE SECURED DOORS BY CODE AND/OR CIPHER LOCK, WITH ACCESS PROVIDED TO OWNER'S FACILITIES TEAM. TEMPORARY PARTITIONS SHALL ALSO CARRY A PROVISION FOR WALL COVERING/SIGNAGE NOTING NEW WORK, AND COORDINATE SAID SIGNAGE WITH OWNER/ARCHITECT.
14. IT IS THE INTENT THAT DEMOLITION AND CONSTRUCTION OCCUR WITHIN EACH PROPOSED AREA. IT IS THE INTENT THAT WHERE POSSIBLE, MULTIPLE PHASES OCCUR SIMULTANEOUSLY.

PHASING PLAN KEYNOTES:

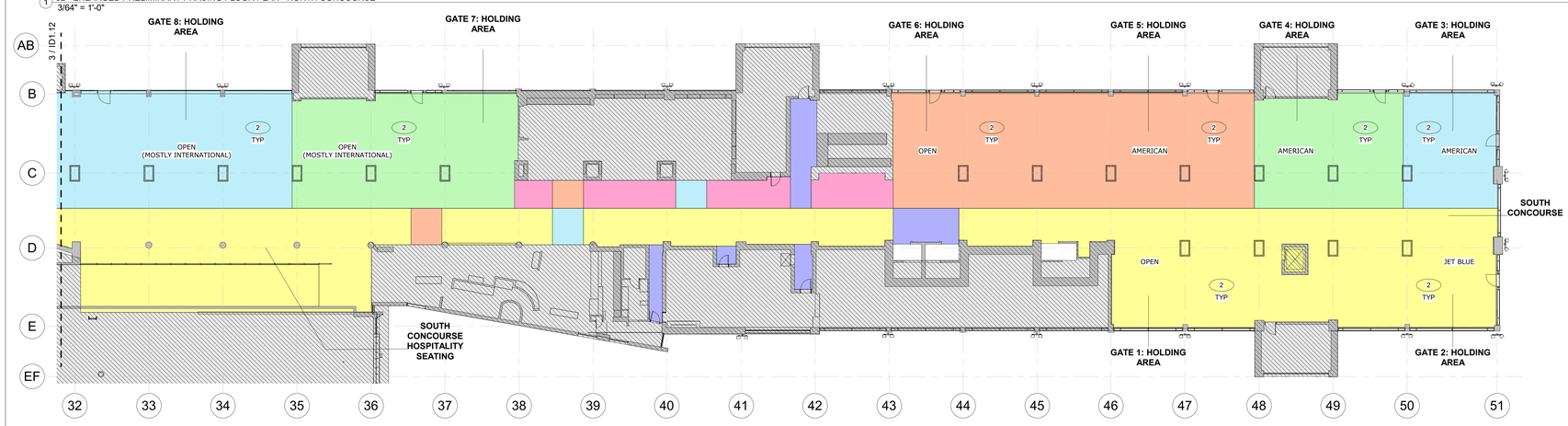
1. THE NUMBER OF PHASES WITHIN THE TICKETING LOBBY SHALL BE FURTHER REDUCED AS MUCH AS POSSIBLE. AT LEAST ONE TICKETING DESK PER AIRLINE MUST REMAIN OPEN AND FUNCTIONING AT A TIME. COORDINATE WITH OWNERSHIP.
2. AT LEAST ONE HOLDING AREA PER AIRLINE MUST REMAIN OPEN AND FUNCTIONING AT A TIME AND NO MORE THAN TWO GATES SHALL BE OUT OF COMMISSION AT A TIME. COORDINATE WITH OWNERSHIP.
3. NO MORE THAN ONE BAGGAGE CLAIM BELT CAN BE CLOSED AT ONE TIME. COORDINATE WITH OWNERSHIP.

PHASING PLAN LEGEND:

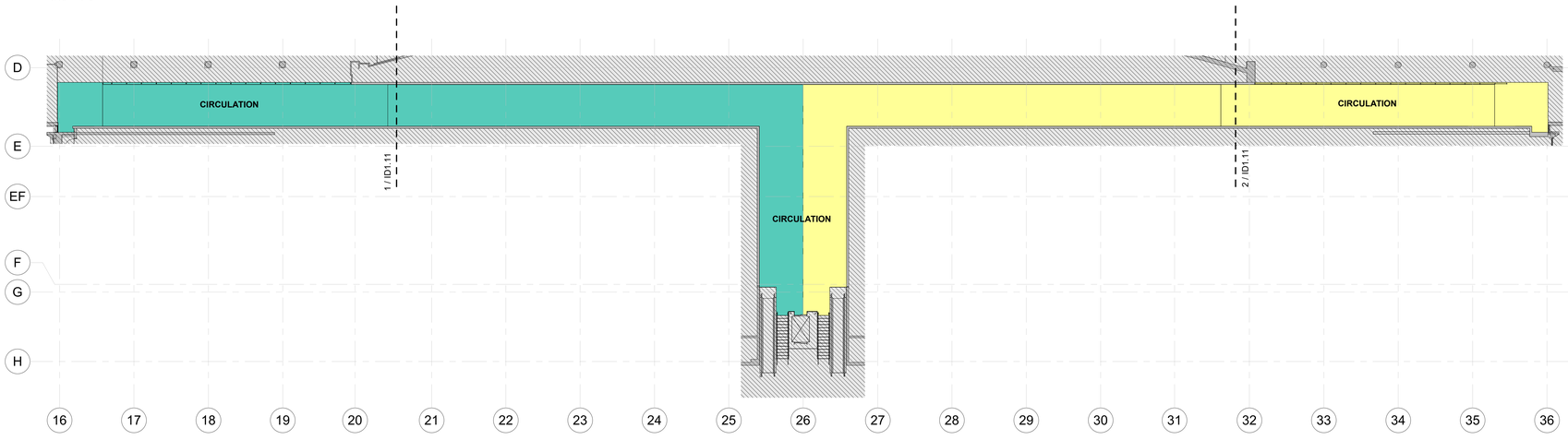
- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- # — REFER TO KEYNOTE
- # TYP — REFER TO KEYNOTE, TYPICAL NOTE
- NOT IN SCOPE
- PHASE A
- PHASE B
- PHASE C
- PHASE D
- PHASE E
- PHASE F
- PHASE G
- PHASE H
- PHASE I
- PHASE J
- PHASE K
- PHASE L



1 02 - ENLARGED PRELIMINARY PHASING FLOOR PLAN - NORTH CONCOURSE
3/64" = 1'-0"



2 02 - ENLARGED PRELIMINARY PHASING FLOOR PLAN - SOUTH CONCOURSE
1/16" = 1'-0"



3 01A - ENLARGED PRELIMINARY PHASING FLOOR PLAN - MEZZANINE
1/16" = 1'-0"

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PROJECT INFO

TRUE NORTH:

PROJECT NAME
RHODE ISLAND T.F. GREEN INTERNATIONAL AIRPORT

CONTRACT NO. 35219

2000 POST ROAD WARWICK, RI 02886

ZDS PROJECT NO. 24017

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REVISIONS

NO	DATE	DESCRIPTION

HARD FLOORING RENOVATIONS BID SET

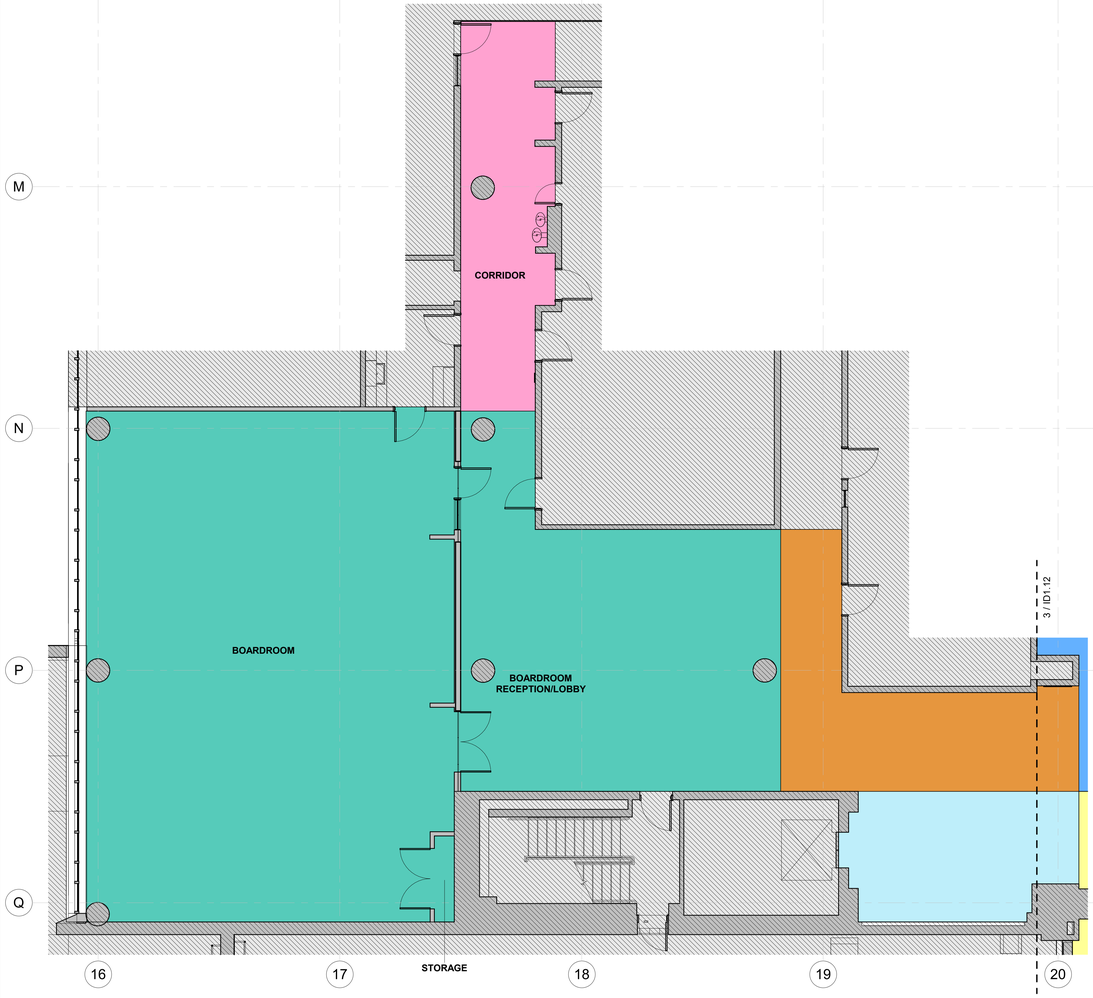
ISSUED DATE: JULY 12, 2024

SK DATE/REF:

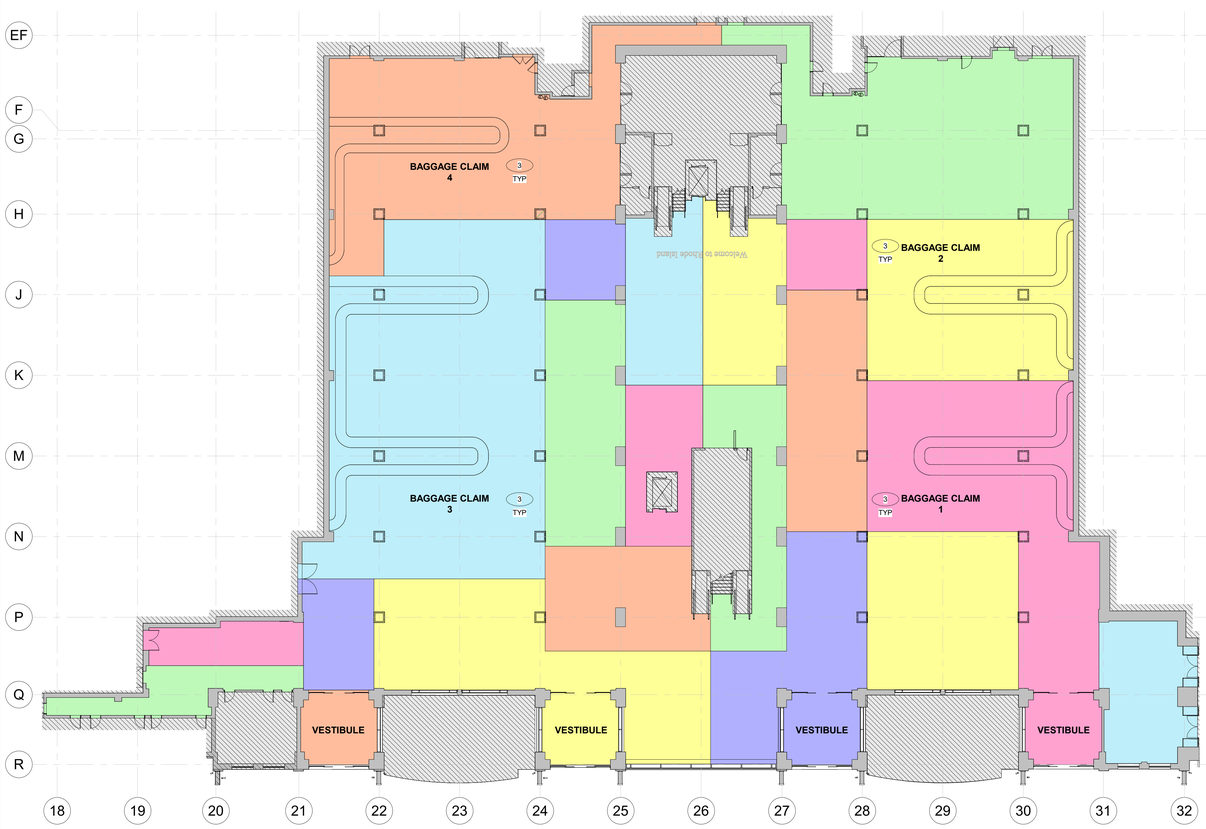
SHEET TITLE
PRELIMINARY PHASING FLOOR PLANS - ENLARGED

DRAWING NO.
ID1.11

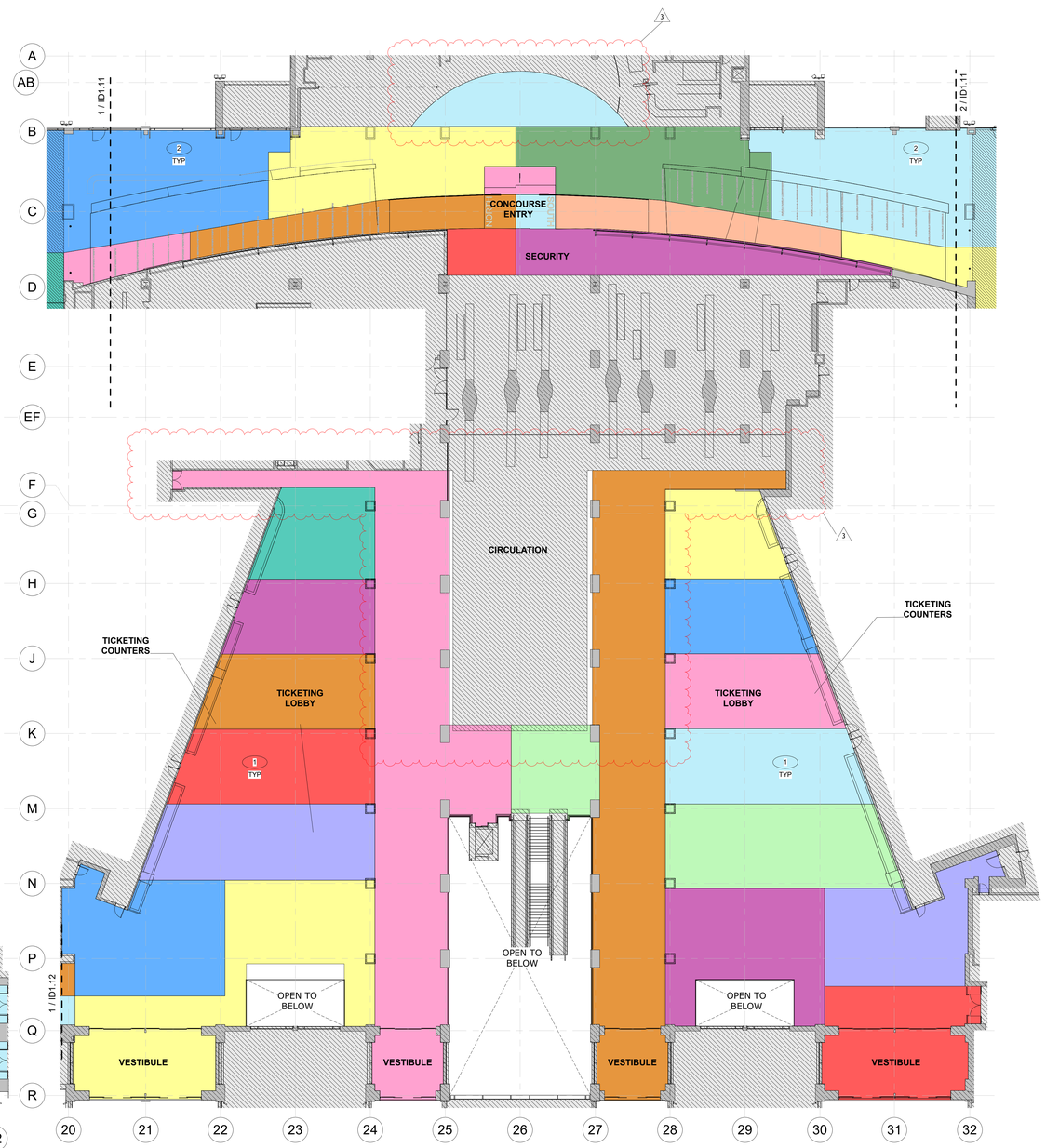
PLOT CREATED: 9/6/2024 5:20:40 PM



1 02 - ENLARGED PRELIMINARY PHASING FLOOR PLAN - BOARDROOM SUITE
3/16" = 1'-0"



2 01 - ENLARGED PRELIMINARY PHASING FLOOR PLAN - BAGGAGE CLAIM
1/16" = 1'-0"



3 02 - ENLARGED PRELIMINARY PHASING FLOOR PLAN - TICKETING
1/16" = 1'-0"

PHASING PLAN NOTES:

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3. **GC TO PROVIDE DETAILED PHASE DIAGRAMS INDICATING ORDER OF PHASES FOR REVIEW FROM OWNER AND ARCHITECT/DESIGNER PRIOR TO CONSTRUCTION.**
4. **PHASING PLANS (SERIES ID1.1X) ARE REQUIRED TO BE PRINTED IN COLOR.**
5. REFER TO ENLARGED PLANS FOR ADDITIONAL INFORMATION, DIMENSIONS, ETC.
6. NOT USED
7. NOT USED
8. NOT USED
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11. AIRLINES INDICATED AS "OPEN" ARE FLEXIBLE AND CAN BE ANY AIRLINE OFFERED AT RHODE ISLAND T.F. GREEN INTERNATIONAL AIRPORT.
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PHASING PLAN KEYNOTES:

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2. AT LEAST ONE HOLDING AREA PER AIRLINE MUST REMAIN OPEN AND FUNCTIONING AT A TIME AND NO MORE THAN TWO GATES SHALL BE OUT OF COMMISSION AT A TIME. COORDINATE WITH OWNERSHIP.
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PHASING PLAN LEGEND:

- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- # REFER TO KEYNOTE
- # TYP REFER TO KEYNOTE, TYPICAL NOTE
- NOT IN SCOPE
- PHASE A
- PHASE B
- PHASE C
- PHASE D
- PHASE E
- PHASE F
- PHASE G
- PHASE H
- PHASE I
- PHASE J
- PHASE K
- PHASE L

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1405 RHODE ISLAND AVE. NW
WASHINGTON, DC 20005
+1.202.660.0555

PROJECT INFO

TRUE NORTH:

PROJECT NAME

RHODE ISLAND T.F. GREEN INTERNATIONAL AIRPORT

CONTRACT NO. 35219

2000 POST ROAD WARWICK, RI 02886

ZDS PROJECT NO. 24017

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

SK DATE/REF:

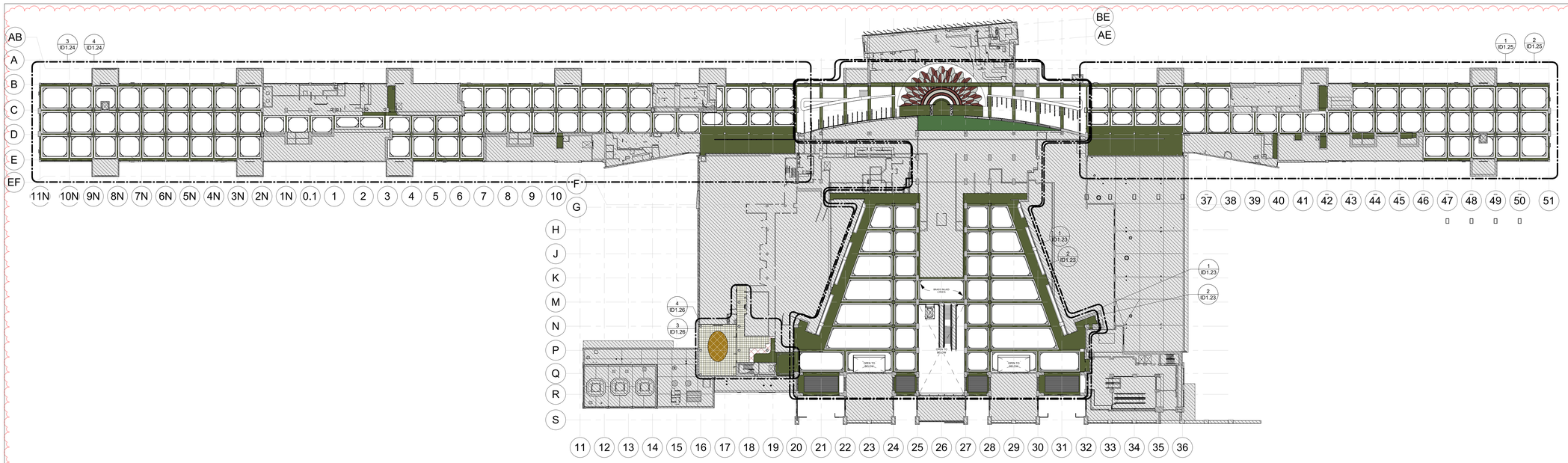
SHEET TITLE

PRELIMINARY PHASING FLOOR PLANS - ENLARGED

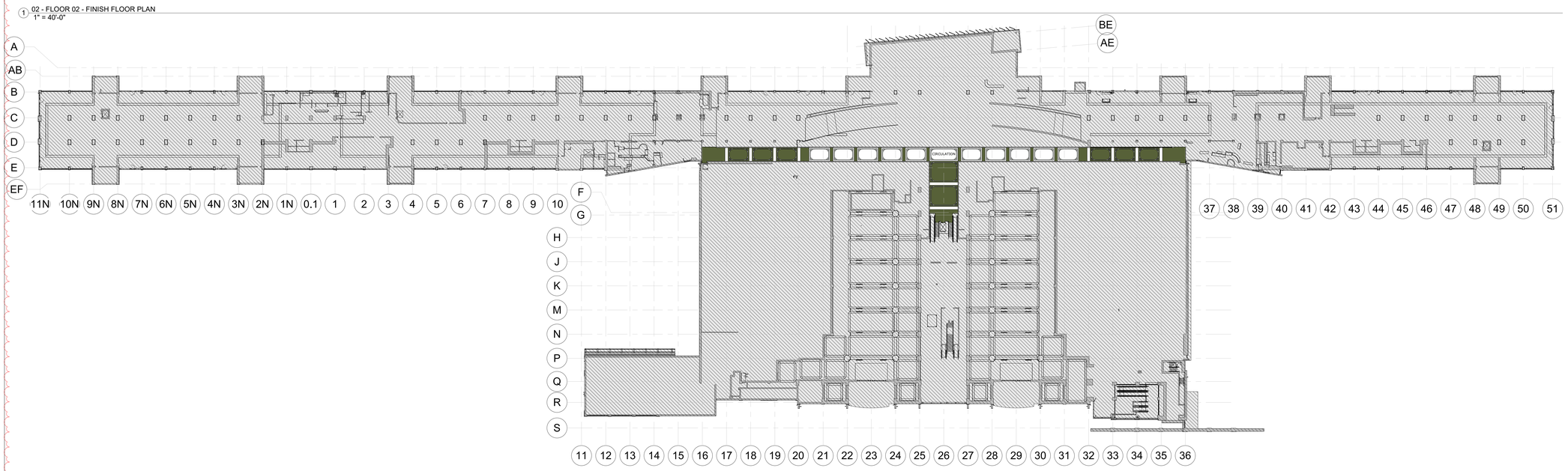
DRAWING NO.

ID1.12

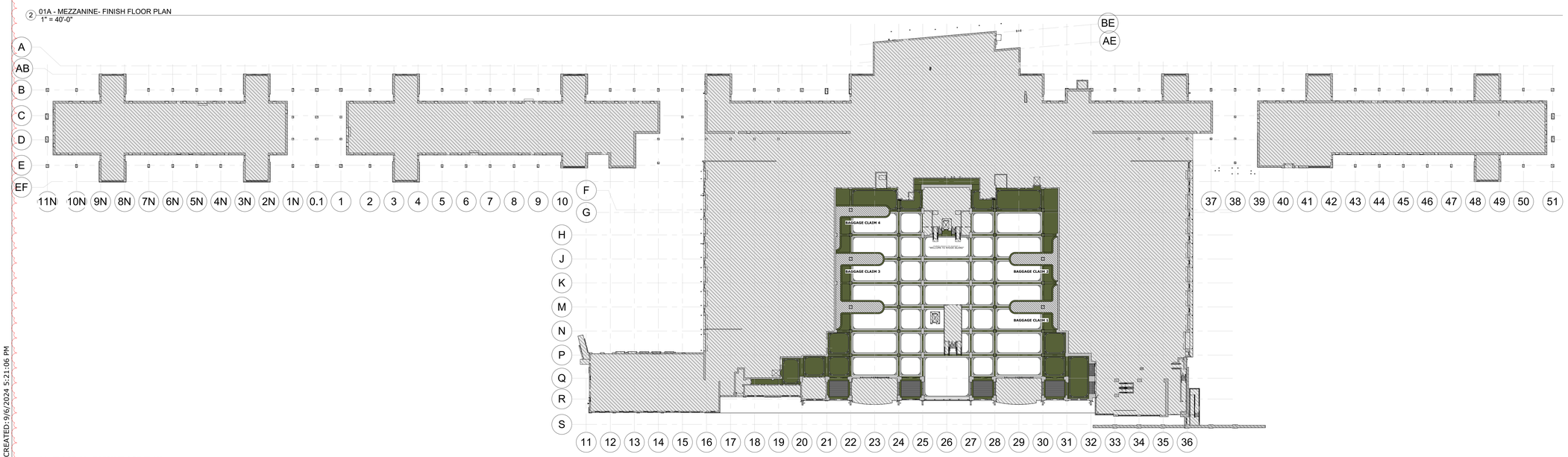
PLOT CREATED: 9/6/2024 5:20:48 PM



1 02 - FLOOR 02 - FINISH FLOOR PLAN
1" = 40'-0"



2 01A - MEZZANINE- FINISH FLOOR PLAN
1" = 40'-0"



3 01 - FLOOR 01 - FINISH FLOOR PLAN
1" = 40'-0"

FINISH FLOOR NOTES:

1. ALL FLOOR FINISH WORK, WHILE SHOWN ON OVERALL PLANS, ARE MORE DETAILED IN NATURE ON ENLARGED PLANS.
2. **FINISH FLOOR PLANS (SERIES ID1.2X) ARE REQUIRED TO BE PRINTED IN COLOR.**

FLOOR FINISH LEGEND:

CARPET:

- **C-01** WALK-OFF CARPET
- **C-02** CARPET INLAY
- **C-03** CARPET TILE

METAL:

- **MTL-01** METAL TRANSITION STRIP - 1/8"
- **MTL-02** METAL TRANSITION STRIP - 1/4"
- **MTL-03** METAL INLAY

STONE:

- **MARBLE PATTERN:** ST-01, 02, 03 04 - REFER TO SHEET ID5.00 FOR PATTERN AND ADDITIONAL INFORMATION
- **ST-01** MARBLE STONE TILE - WHITE
- **ST-02** MARBLE STONE TILE - BURGUNDY
- **ST-01** MARBLE STONE TILE - WHITE
- **ST-02** MARBLE STONE TILE - BURGUNDY

TERRAZZO:

- **TZ-01** POURED EPOXY TERRAZZO - CREAM
- **TZ-02** POURED EPOXY TERRAZZO - TAUPE
- **TZ-03** POURED EPOXY TERRAZZO - GRAY
- **TZ-04** POURED EPOXY TERRAZZO - BLACK
- **TZ-05** POURED EPOXY TERRAZZO - GREEN
- **TZ-06** POURED EPOXY TERRAZZO - BURGUNDY

GENERAL:

- **NOT IN SCOPE**

CLIENT

Rhode Island
T. F. Green International Airport

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PROJECT INFO

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RHODE ISLAND T.F. GREEN INTERNATIONAL AIRPORT

CONTRACT NO. 35219

2000 POST ROAD WARWICK, RI 02886

ZDS PROJECT NO. 24017

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

SK DATE/REF:

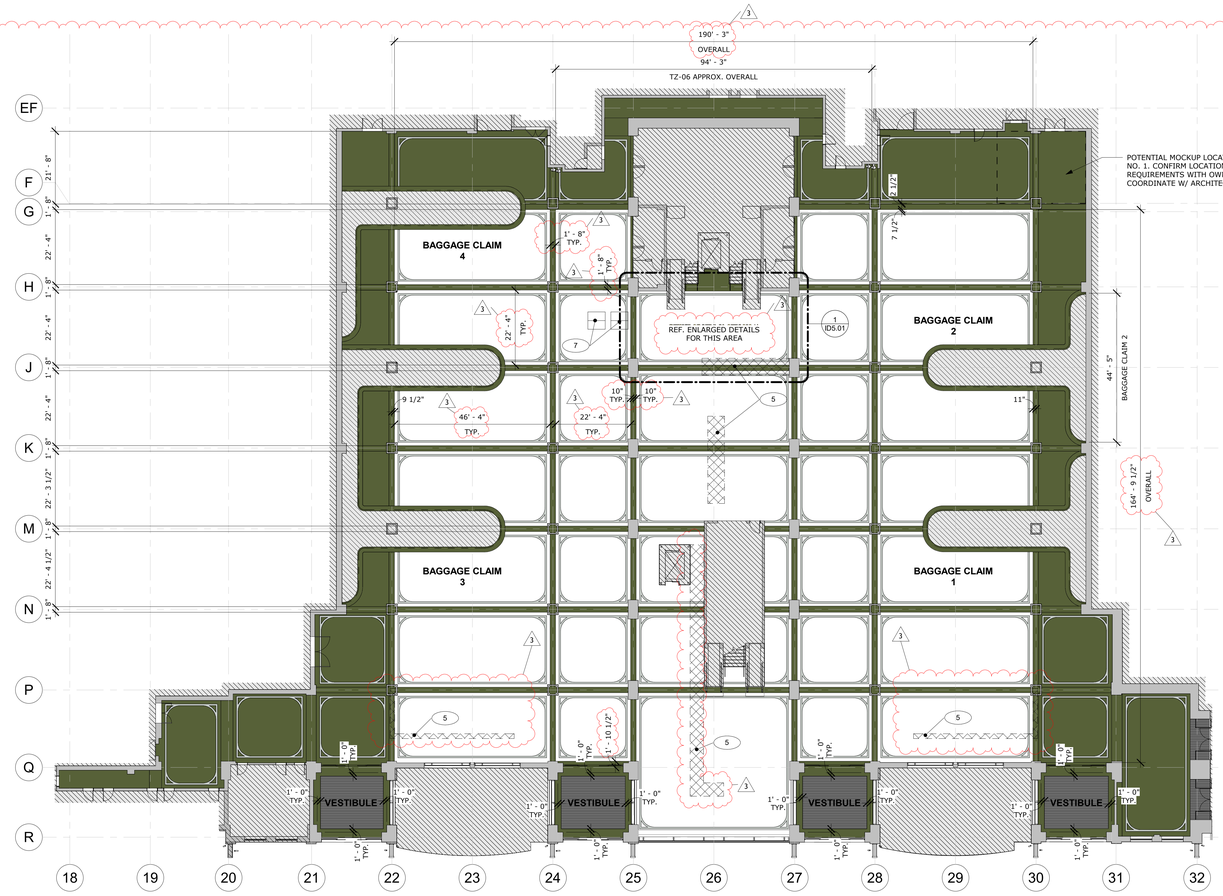
SHEET TITLE

FINISH FLOOR PLANS - OVERALL

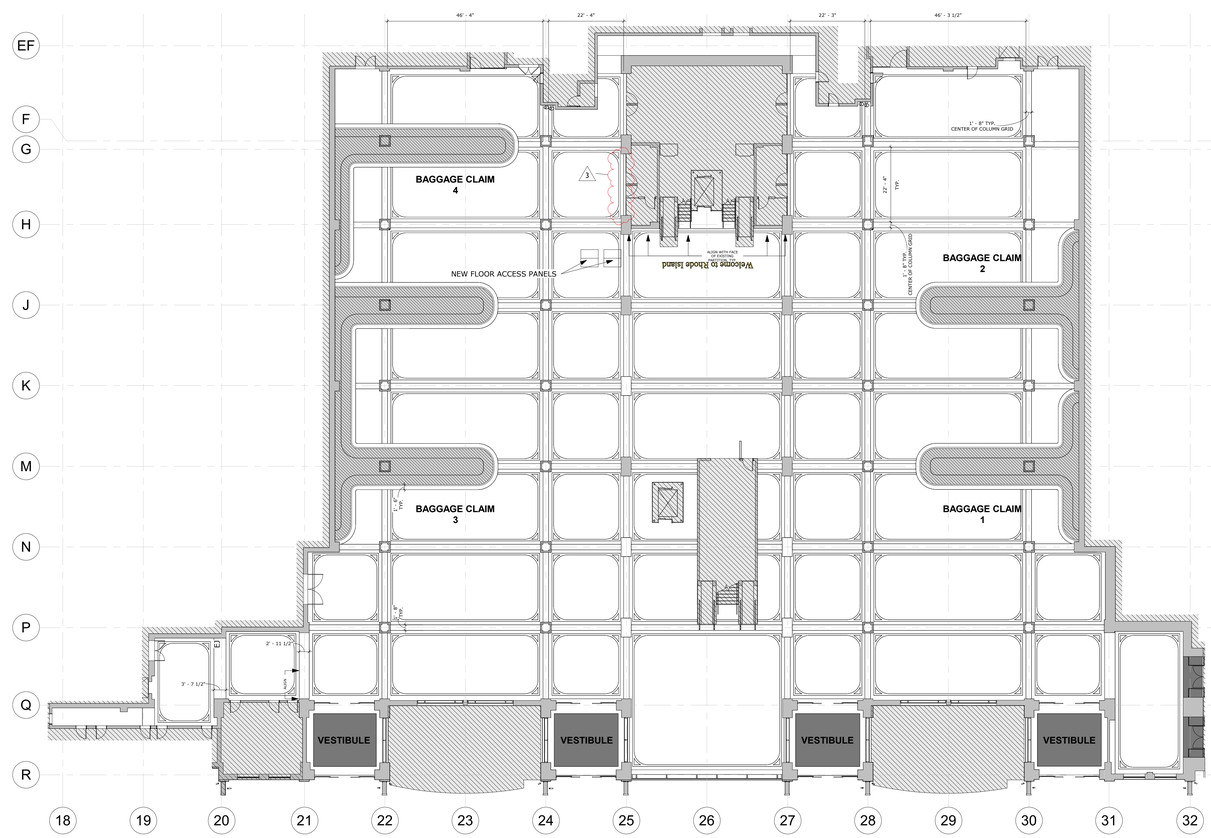
DRAWING NO.

ID1.20

PLOT CREATED: 9/6/2024 5:21:06 PM



1 01 - ENLARGED FINISH FLOOR PLAN - BAGGAGE CLAIM
1/16" = 1'-0"



2 01 - ENLARGED FINISH TRANSITION FLOOR PLAN - BAGGAGE CLAIM
1/16" = 1'-0"

PLAN NOTES:

1. ALL GROUT AT WET AREAS SHALL BE PERMACOLOR EPOXY GROUT OR EQUAL
2. VERTICAL CHANGES IN FLOOR SURFACE SHALL BE MAXIMUM 1/4" VERTICAL WITHOUT EDGE TREATMENT
3. ALL FINISHES SHALL MEET LOCAL, STATE AND FEDERAL CODES FOR FIRE SPREAD AND SMOKE REQUIREMENTS
4. ALL FLOOR FINISHES SHALL BE SLIP RESISTANT PER MINIMUM CODE REQUIREMENTS
5. ANY DISCREPANCIES BETWEEN FINISH SCHEDULE AND OTHER CONTRACT DOCUMENTS AND FIELD CONDITIONS SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT. PRICING TO INCLUDE THE MORE COSTLY OPTION
6. IT IS THE INTENT OF THESE DRAWINGS THAT ALL EXPOSED SURFACES RECEIVE NEW FINISHES AS INDICATED ON THE DRAWINGS OR WRITTEN SPECIFICATIONS UNLESS SPECIFICALLY NOTED OTHERWISE. ANY SURFACE WHICH DOES NOT HAVE A FINISH NOTED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND FINISHED PER THE ARCHITECT'S INSTRUCTIONS
7. ANY EXISTING CONDITIONS/MATERIALS TO REMAIN ARE TO BE PROPERLY PROTECTED DURING RENOVATION. ANY WALL, FLOOR, CEILING, TRIM OR CASEWORK FINISH THAT IS AFFECTED BY THE RENOVATIONS IS TO BE RETURNED TO A UNIFORM CONDITION EQUAL TO THE ADJACENT FINISH QUALITY AS SELECTED BY THE OWNER AND APPROVED BY THE ARCHITECT AND APPLIED TO BREAK-IN-PLANE EVEN IF IT EXTENDS BEYOND AREA DISTURBED BY RENOVATION WORK
8. THE CONTRACTOR SHALL IDENTIFY AND PRIORITIZE ALL LEAD TIMES FOR MATERIALS SPECIFIED TO AVOID SCHEDULE CONFLICTS. THIS INCLUDES MATERIALS REQUIRING MOCKUPS. NEITHER THE OWNER NOR THE ARCHITECT WILL BE HELD RESPONSIBLE FOR INACTION ON THE PART OF THE CONTRACTOR RESULTING IN ADDITIONAL EXPEDITED SHIPPING COSTS OR DELAYS TO THE CONSTRUCTION SCHEDULE
9. CONTRACTOR TO PROVIDE SEAMING PLANS FOR ALL AREAS WITH SEAMLESS FLOORING SPECIFIED FOR ARCHITECT'S REVIEW AND APPROVAL PRIOR TO INSTALLATION
10. ALL FLOORING TRANSITIONS SHALL TERMINATE AT THE CENTER OF A DOOR. IF THERE IS NO DOOR, FLOORING SHALL TERMINATE AT THE CENTER OF THE DOOR JAM OR OPENING OF A ROOM, U.N.O.
11. PER ADA REQUIREMENTS. FLOORING ON BOTH SIDES OF THRESHOLD SHALL BE FEATHERED UP TO ALIGN WITH EASED EDGE OF THRESHOLD
12. CONTRACTOR TO CONFIRM ALL TRANSITIONS TO EXISTING FLOOR MATERIALS WITH THE ARCHITECT BEFORE PROCEEDING
13. PROVIDE SUBFLOOR LEVELERS WHERE NECESSARY FOR SMOOTH TRANSITIONS OF ALL FLOOR FINISH MATERIALS
14. ALL FLOORING CUTS TO BE WATER-JET CUT TO ENSURE PRECISE CUTS
15. CARPET TILE INSERTS AT CAFETERIA TO BE INSTALLED FLUSH WITH SURROUNDING TERRAZZO & STAINLESS STEEL TRANSITIONS.
16. FLOOR FINISH PLANS SHOW SEAMS AT CERTAIN AREAS TO ESTABLISH DESIGN INTENT. FINAL FLOOR SEAM LOCATIONS TO BE SHOWN AS PART OF SUBMITTAL PROCESS
17. PRE-INSTALLATION CONFERENCE IS REQUIRED TO REVIEW FIELD CONDITIONS AND ACCEPTANCE OF FLOOR PREPARATION
18. FINISHES NOTED TO "MATCH EXISTING" TO BE SELECTED BY OWNER
19. TERRAZZO INSTALLER IS RESPONSIBLE FOR ADDITIONAL DIVIDER STRIPS REQUIRED FOR INSTALLATION. ALL STRIPS SHALL NOT BE MORE THAN 25' IN ANY DIRECTION.
20. ALL TERRAZZO FEATURE STRIPS TO BE 1/8", U.N.O.
21. **FLOOR FINISH PLANS (SERIES ID1.2X) ARE REQUIRED TO BE PRINTED IN COLOR.**
22. ALL DAMAGED/REMOVED WALL BASES TO BE REPLACE WITH PRODUCT IN-KIND. SUBMIT REPLACEMENT PRODUCT TO WONER AND ARCHITECT FOR APPROVAL.

PLAN KEYNOTES:

1. PROVIDE LIGHT WEIGHT CONCRETE TOPPING SLAB, MIN OF 1 1/2" THICKNESS. SCARIFY AND SAND BLAST EXISTING CONCRETE SLAB TO PREPARE AREA FOR NEW WORK. SLOPE SHALL BE 5% (1:20) MAX AND CONFINED TO BE WITHIN FOOTPRINT OF EXISTING SLOPED WALKWAY. REVIEW WITH ARCHITECT/OWNER EXTENDING BOTTOM OF SLOPED WALKWAY.
2. PROVIDE TEMPORARY RAMP, MIN. 5' WIDE WITH 8% (1:12) SLOPE AND 1 LANDING FOR A TOTAL HEIGHT OF 48" +/-. PROVIDE HAND RAILS @ 34" A.F.F. AND GUARDRAILS 42" A.F.F. CONTRACTOR TO VERIFY FINAL HEIGHTS. TEMPORARY RAMP SHALL CONFORM TO ALL LOCAL CODE REQUIREMENTS. PROVIDE SHOP DRAWINGS AND DETAILS FOR TEMP ANCHORING, STRUCTURE, AND FRAMING.
3. CONTRACTOR TO COORDINATE MOVING AND STORAGE OF EXISTING EQUIPMENT IN THE AREA.
4. RECESSED ABRASIVE STRIPS SHALL BE PROVIDED PER MANUFACTURERS RECOMMENDATION FOR THE ENTIRE LENGTH OF THE SLOPED WALKWAY.
5. INFILL WITH IN-KIND MATERIALS AFTER INSTALLATION OF FLOOR BOXES AND CONDUIT
6. PAINT WALL WITH IN-KIND ADJACENT COLOR
7. REPLACE WITH NEW FLOOR ACCESS PANELS IN KIND. ENSURE THRESHOLD MAINTAINS ADA (ANSI 117.1) TOLERANCES. REMOVE AND REPLACE GASKETING AS REQUIRED. SUBMIT REPLACEMENT PRODUCT TO WONER AND ARCHITECT FOR APPROVAL.
8. CONTRACTOR TO PROVIDE METAL TRANSITION STRIP OPTIONS TO ARCHITECT FOR APPROVAL. TRANSTION STRIP TO CREATE A FLUSH TRANSITION BETWEEN INSET RUG AND SURROUNDING STONE TILE. TRANSITION STRIP FINISH: SATIN OR BRUSHED BRASS.
9. PATCH AND REPAIR EXISTING SUBFLOOR FOR PROPER INSTALLATION OF NEW WORK.

FINISH FLOOR LEGEND:

CARPET:

- **C-01** WALK-OFF CARPET
- **C-02** CARPET INLAY
- **C-03** CARPET TILE
- **C-04** CARPET RUNNER

METAL:

- **MTL-01** METAL TRANSITION STRIP - 1/8"
- **MTL-02** METAL TRANSITION STRIP - 1/4"
- **MTL-03** METAL INLAY
- **MTL-05** BRASS ROD W/ FINIALS

STONE:

- **MARBLE PATTERN:** ST-01, 02, 03 04 - REFER TO SHEET ID5.00 FOR PATTERN AND ADDITIONAL INFORMATION
- **ST-01** MARBLE STONE TILE - WHITE
- **ST-02** MARBLE STONE TILE - BURGUNDY
- **ST-01** MARBLE STONE TILE - WHITE
- **ST-02** MARBLE STONE TILE - BURGUNDY

TERRAZZO:

- **TZ-01** POURED EPOXY TERRAZZO - CREAM
- **TZ-02** POURED EPOXY TERRAZZO - TAUPE
- **TZ-03** POURED EPOXY TERRAZZO - GRAY
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GENERAL:

- **NOT IN SCOPE**

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CONTRACT NO. 35219

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

SK DATE/REF:

SHEET TITLE

FINISH FLOOR PLANS - ENLARGED

DRAWING NO.

ID1.21

PLOT CREATED: 9/6/2024 5:21:10 PM

PLAN NOTES:

1. ALL GROUT AT WET AREAS SHALL BE PERMACOLOR EPOXY GROUT OR EQUAL
2. VERTICAL CHANGES IN FLOOR SURFACE SHALL BE MAXIMUM 1/4" VERTICAL WITHOUT EDGE TREATMENT
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PLAN KEYNOTES:

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FINISH FLOOR LEGEND:

CARPET:

- **C-01** WALK-OFF CARPET
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- **C-04** CARPET RUNNER

METAL:

- **MTL-01** METAL TRANSITION STRIP - 1/8"
- **MTL-02** METAL TRANSITION STRIP - 1/4"
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- **MTL-05** BRASS ROD W/ FINIALS

STONE:

- **MARBLE PATTERN:** ST-01, 02, 03 04 - REFER TO SHEET ID5.00 FOR PATTERN AND ADDITIONAL INFORMATION
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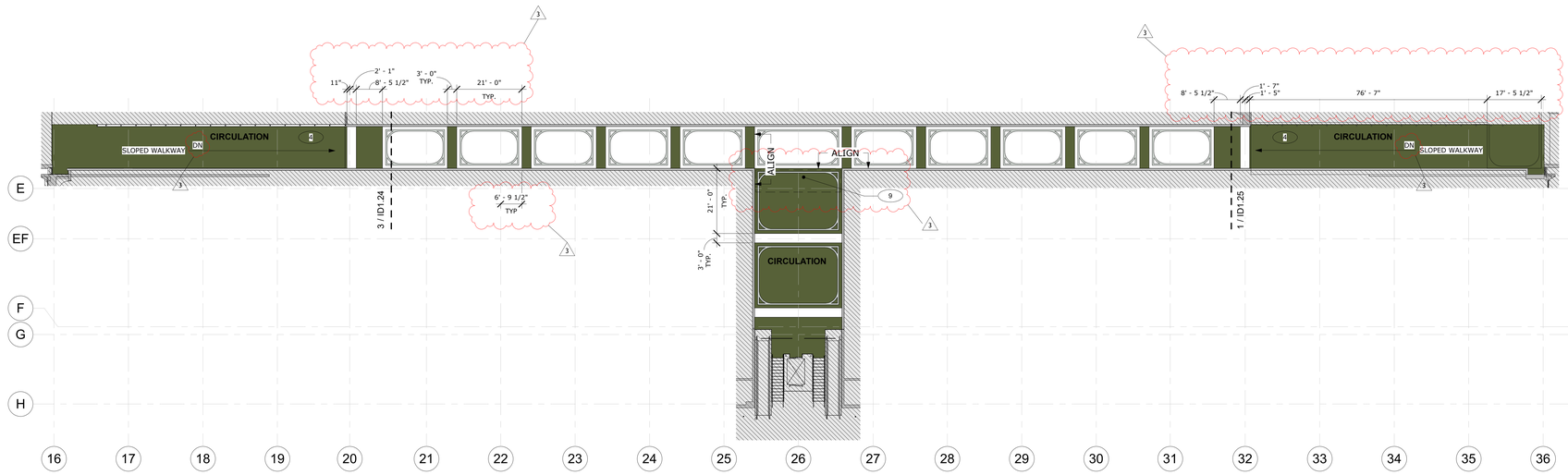
TERRAZZO:

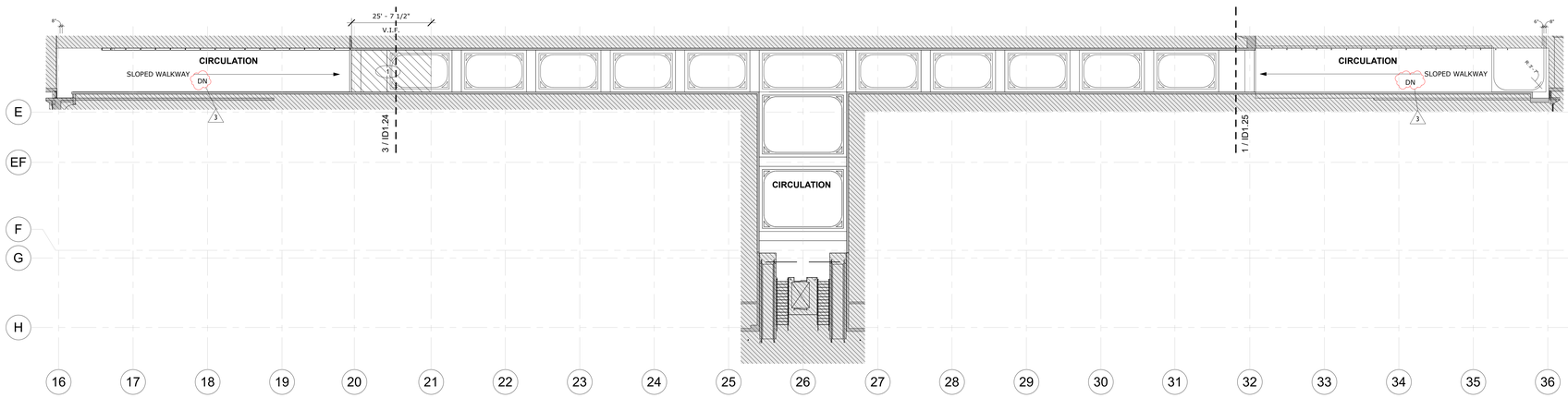
- **TZ-01** POURED EPOXY TERRAZZO - CREAM
- **TZ-02** POURED EPOXY TERRAZZO - TAUPE
- **TZ-03** POURED EPOXY TERRAZZO - GRAY
- **TZ-04** POURED EPOXY TERRAZZO - BLACK
- **TZ-05** POURED EPOXY TERRAZZO - GREEN
- **TZ-06** POURED EPOXY TERRAZZO - BURGUNDY

GENERAL:

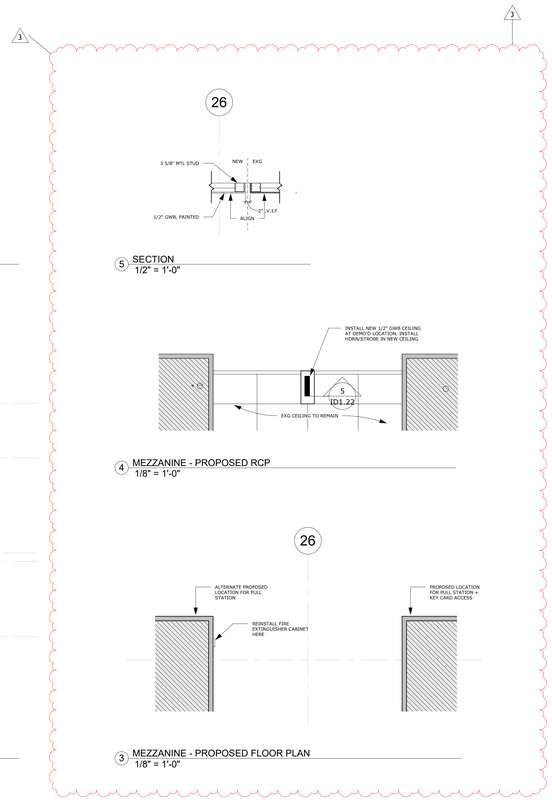
- **NOT IN SCOPE**



1 01A - ENLARGED FINISH FLOOR PLAN - MEZZANINE
1/16" = 1'-0"



2 01A - ENLARGED FINISH TRANSITION FLOOR PLAN - MEZZANINE
1/16" = 1'-0"



5 SECTION
1/2" = 1'-0"

4 MEZZANINE - PROPOSED RCP
1/8" = 1'-0"

3 MEZZANINE - PROPOSED FLOOR PLAN
1/8" = 1'-0"

CLIENT

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

SK DATE/REF:

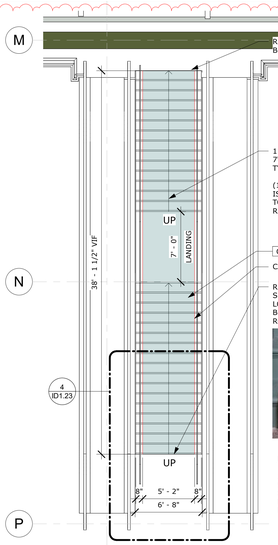
SHEET TITLE

FINISH FLOOR PLANS - ENLARGED

DRAWING NO.

ID1.22

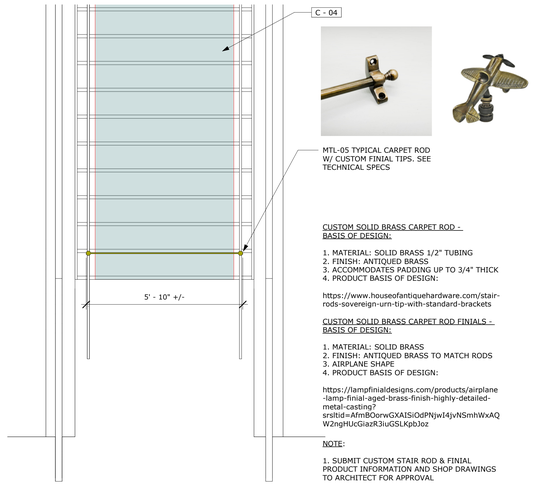
PLOT CREATED: 9/6/2024 5:21:15 PM



NOTE:

1. INSTALLER IS TO FIELD-VERIFY STAIR, INCLUDING SURFACES CONDITIONS, ALL RELEVANT DIMENSIONS, AND PROFILE & DIMENSIONS OF STAIR NOSING

3 ENLARGED STAIR FINISH PLAN
3/16" = 1'-0"



MTL-05 TYPICAL CARPET ROD W/ CUSTOM FINIAL TIPS. SEE TECHNICAL SPECS

CUSTOM SOLID BRASS CARPET ROD - BASIS OF DESIGN:

1. MATERIAL: SOLID BRASS 1/2" TUBING
2. FINISH: ANTIQUED BRASS
3. ACCOMMODATES PADDING UP TO 3/4" THICK
4. PRODUCT BASIS OF DESIGN:

https://www.houseofantiquehardware.com/stair-rods-sovereign-urn-tip-with-standard-brackets

CUSTOM SOLID BRASS CARPET ROD FINIALS - BASIS OF DESIGN:

1. MATERIAL: SOLID BRASS
2. FINISH: ANTIQUED BRASS TO MATCH RODS
3. AIRPLANE SHAPE
4. PRODUCT BASIS OF DESIGN:

https://lampfinialdesigns.com/products/airplane-lamp-finial-aged-brass-finish-highly-detailed-metal-casting?srsltid=AfmBOqrwGXAISiOdPNjwI4jvNSmhWxAQW2ngHUcGiazR3iuGSLKpbJoz

NOTE:

1. SUBMIT CUSTOM STAIR ROD & FINIAL PRODUCT INFORMATION AND SHOP DRAWINGS TO ARCHITECT FOR APPROVAL

4 CARPET RODS ENLARGED PLAN
1/2" = 1'-0"

PLAN NOTES:

1. ALL GROUT AT WET AREAS SHALL BE PERMACOLOR EPOXY GROUT OR EQUAL
2. VERTICAL CHANGES IN FLOOR SURFACE SHALL BE MAXIMUM 1/4" VERTICAL WITHOUT EDGE TREATMENT
3. ALL FINISHES SHALL MEET LOCAL, STATE AND FEDERAL CODES FOR FIRE SPREAD AND SMOKE REQUIREMENTS
4. ALL FLOOR FINISHES SHALL BE SLIP RESISTANT PER MINIMUM CODE REQUIREMENTS
5. ANY DISCREPANCIES BETWEEN FINISH SCHEDULE AND OTHER CONTRACT DOCUMENTS AND FIELD CONDITIONS SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT. PRICING TO INCLUDE THE MORE COSTLY OPTION
6. IT IS THE INTENT OF THESE DRAWINGS THAT ALL EXPOSED SURFACES RECEIVE NEW FINISHES AS INDICATED ON THE DRAWINGS OR WRITTEN SPECIFICATIONS UNLESS SPECIFICALLY NOTED OTHERWISE. ANY SURFACE WHICH DOES NOT HAVE A FINISH NOTED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND FINISHED PER THE ARCHITECT'S INSTRUCTIONS
7. ANY EXISTING CONDITIONS/MATERIALS TO REMAIN ARE TO BE PROPERLY PROTECTED DURING RENOVATION. ANY WALL, FLOOR, CEILING, TRIM OR CASEWORK FINISH THAT IS AFFECTED BY THE RENOVATIONS IS TO BE RETURNED TO A UNIFORM CONDITION EQUAL TO THE ADJACENT FINISH QUALITY AS SELECTED BY THE OWNER AND APPROVED BY THE ARCHITECT AND APPLIED TO BREAK-IN-PLANE EVEN IF IT EXTENDS BEYOND AREA DISTURBED BY RENOVATION WORK
8. THE CONTRACTOR SHALL IDENTIFY AND PRIORITIZE ALL LEAD TIMES FOR MATERIALS SPECIFIED TO AVOID SCHEDULE CONFLICTS. THIS INCLUDES MATERIALS REQUIRING MOCKUPS. NEITHER THE OWNER NOR THE ARCHITECT WILL BE HELD RESPONSIBLE FOR INACTION ON THE PART OF THE CONTRACTOR RESULTING IN ADDITIONAL EXPEDITED SHIPPING COSTS OR DELAYS TO THE CONSTRUCTION SCHEDULE
9. CONTRACTOR TO PROVIDE SEAMING PLANS FOR ALL AREAS WITH SEAMLESS FLOORING SPECIFIED FOR ARCHITECT'S REVIEW AND APPROVAL PRIOR TO INSTALLATION
10. ALL FLOORING TRANSITIONS SHALL TERMINATE AT THE CENTER OF A DOOR. IF THERE IS NO DOOR, FLOORING SHALL TERMINATE AT THE CENTER OF THE DOOR JAM OR OPENING OF A ROOM, U.N.O.
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16. FLOOR FINISH PLANS SHOW SEAMS AT CERTAIN AREAS TO ESTABLISH DESIGN INTENT. FINAL FLOOR SEAM LOCATIONS TO BE SHOWN AS PART OF SUBMITTAL PROCESS
17. PRE-INSTALLATION CONFERENCE IS REQUIRED TO REVIEW FIELD CONDITIONS AND ACCEPTANCE OF FLOOR PREPARATION
18. FINISHES NOTED TO "MATCH EXISTING" TO BE SELECTED BY OWNER
19. TERRAZZO INSTALLER IS RESPONSIBLE FOR ADDITIONAL DIVIDER STRIPS REQUIRED FOR INSTALLATION. ALL STRIPS SHALL NOT BE MORE THAN 25' IN ANY DIRECTION.
20. ALL TERRAZZO FEATURE STRIPS TO BE 1/8", U.N.O.
21. **FLOOR FINISH PLANS (SERIES ID1.2X) ARE REQUIRED TO BE PRINTED IN COLOR.**
22. ALL DAMAGED/REMOVED WALL BASES TO BE REPLACE WITH PRODUCT IN-KIND. SUBMIT REPLACEMENT PRODUCT TO WONER AND ARCHITECT FOR APPROVAL.

PLAN KEYNOTES:

1. PROVIDE LIGHT WEIGHT CONCRETE TOPPING SLAB, MIN OF 1 1/2" THICKNESS. SCARIFY AND SAND BLAST EXISTING CONCRETE SLAB TO PREPARE AREA FOR NEW WORK. SLOPE SHALL BE 5% (1:20) MAX AND CONFINED TO BE WITHIN FOOTPRINT OF EXISTING SLOPED WALKWAY. REVIEW WITH ARCHITECT/OWNER EXTENDING BOTTOM OF SLOPED WALKWAY.
2. PROVIDE TEMPORARY RAMP, MIN. 5' WIDE WITH 8% (1:12) SLOPE AND 1 LANDING FOR A TOTAL HEIGHT OF 48" +/-. PROVIDE HAND RAILS @ 34" A.F.F. AND GUARDRAILS 42" A.F.F. CONTRACTOR TO VERIFY FINAL HEIGHTS. TEMPORARY RAMP SHALL CONFORM TO ALL LOCAL CODE REQUIREMENTS. PROVIDE SHOP DRAWINGS AND DETAILS FOR TEMP ANCHORING, STRUCTURE, AND FRAMING.
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5. INFILL WITH IN-KIND MATERIALS AFTER INSTALLATION OF FLOOR BOXES AND CONDUIT
6. PAINT WALL WITH IN-KIND ADJACENT COLOR
7. REPLACE WITH NEW FLOOR ACCESS PANELS IN KIND. ENSURE THRESHOLD MAINTAINS ADA (ANSI 117.1) TOLERANCES. REMOVE AND REPLACE GASKETING AS REQUIRED. SUBMIT REPLACEMENT PRODUCT TO WONER AND ARCHITECT FOR APPROVAL.
8. CONTRACTOR TO PROVIDE METAL TRANSITION STRIP OPTIONS TO ARCHITECT FOR APPROVAL. TRANSTION STRIP TO CREATE A FLUSH TRANSITION BETWEEN INSET RUG AND SURROUNDING STONE TILE. TRANSITION STRIP FINISH: SATIN OR BRUSHED BRASS.
9. PATCH AND REPAIR EXISTING SUBFLOOR FOR PROPER INSTALLATION OF NEW WORK.

FINISH FLOOR LEGEND:

CARPET:

- **C-01** WALK-OFF CARPET
- **C-02** CARPET INLAY
- **C-03** CARPET TILE
- **C-04** CARPET RUNNER

METAL:

- **MTL-01** METAL TRANSITION STRIP - 1/8"
- **MTL-02** METAL TRANSITION STRIP - 1/4"
- **MTL-03** METAL INLAY
- **MTL-05** BRASS ROD W/ FINIALS

STONE:

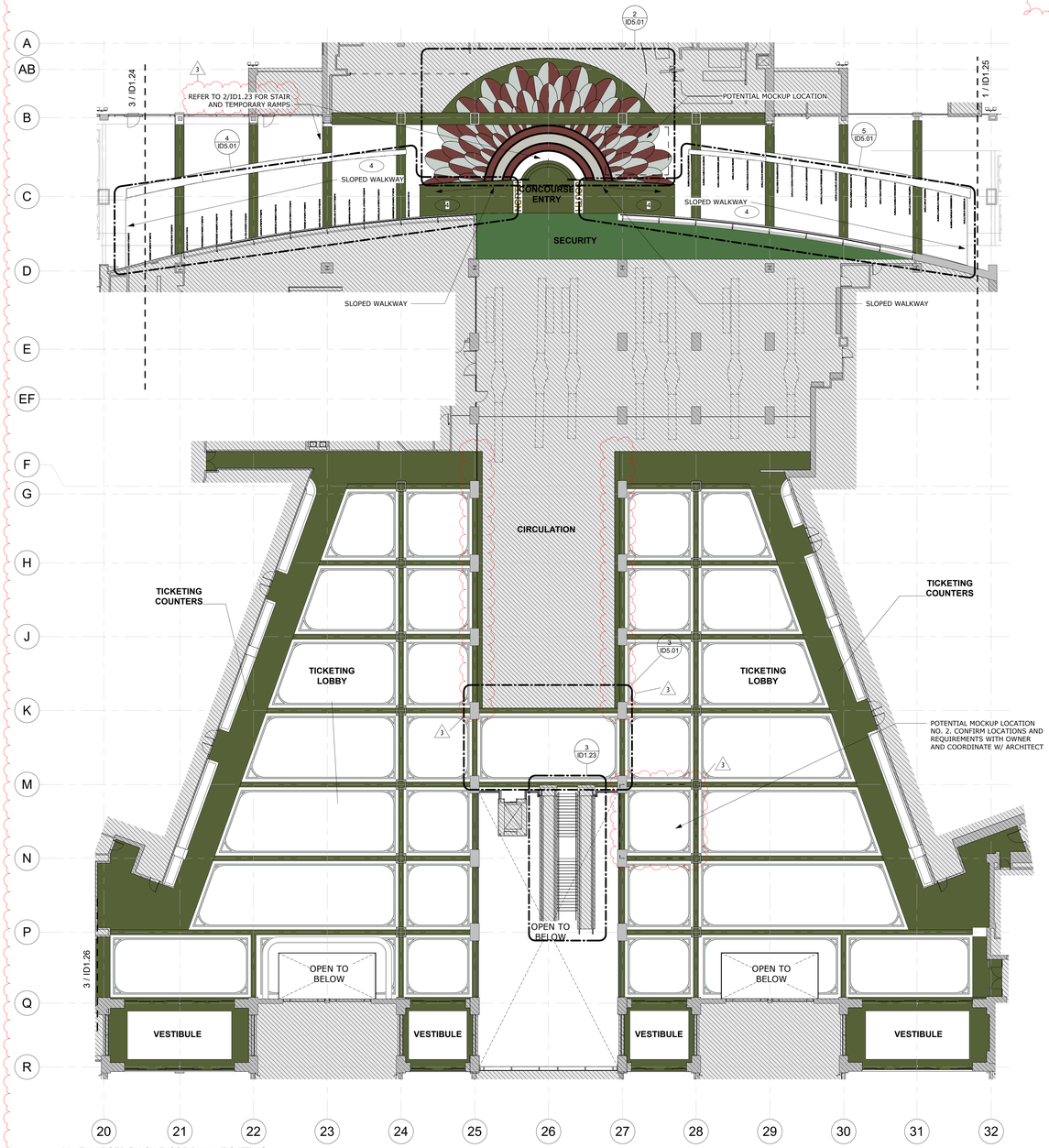
- **MARBLE PATTERN:** ST-01, 02, 03 04 - REFER TO SHEET ID5.00 FOR PATTERN AND ADDITIONAL INFORMATION
- **ST-01** MARBLE STONE TILE - WHITE
- **ST-02** MARBLE STONE TILE - BURGUNDY
- **ST-01** MARBLE STONE TILE - WHITE
- **ST-02** MARBLE STONE TILE - BURGUNDY

TERRAZZO:

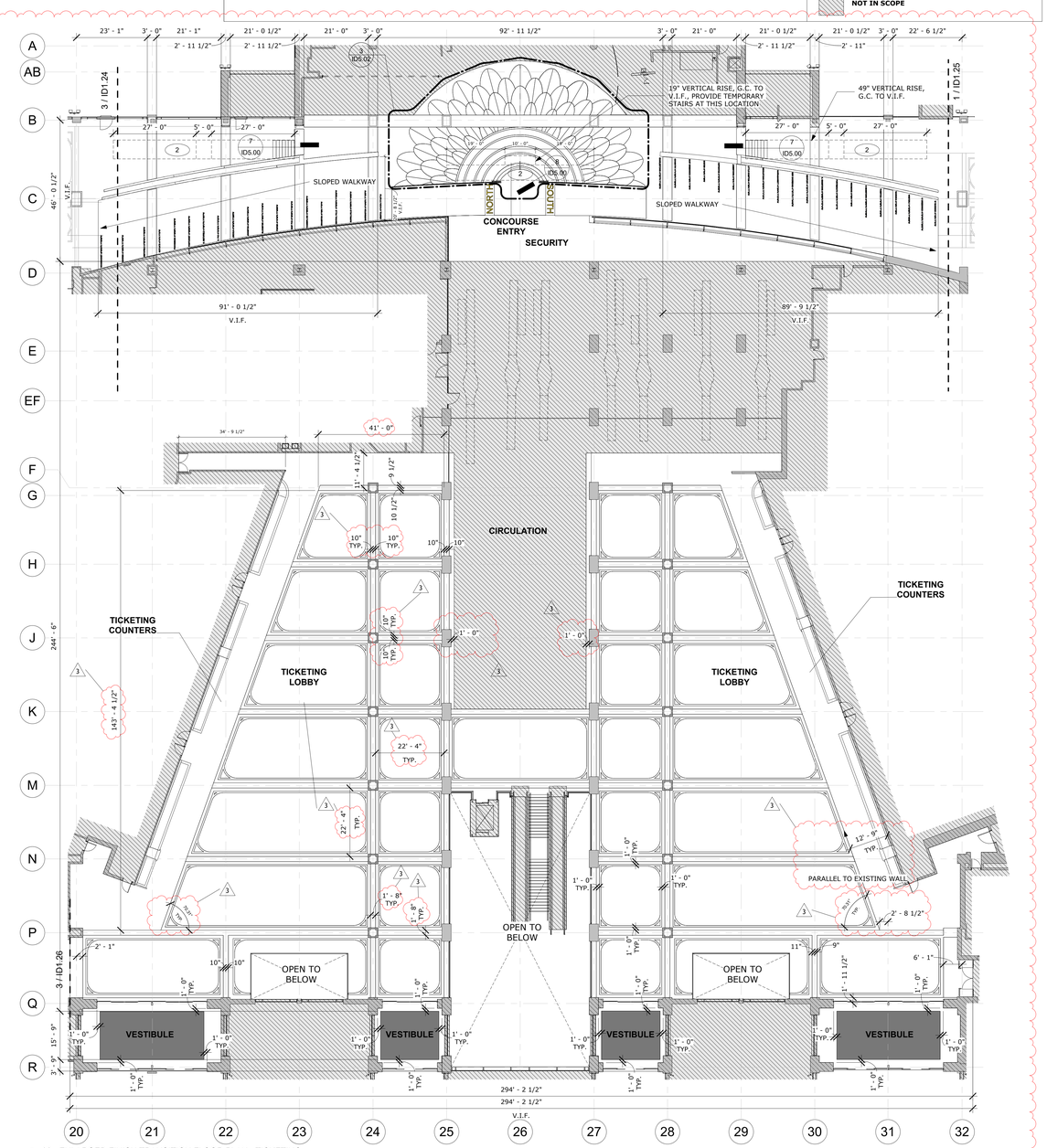
- **TZ-01** POURED EPOXY TERRAZZO - CREAM
- **TZ-02** POURED EPOXY TERRAZZO - TAUPE
- **TZ-03** POURED EPOXY TERRAZZO - GRAY
- **TZ-04** POURED EPOXY TERRAZZO - BLACK
- **TZ-05** POURED EPOXY TERRAZZO - GREEN
- **TZ-06** POURED EPOXY TERRAZZO - BURGUNDY

GENERAL:

- **NOT IN SCOPE**



1 02 - ENLARGED FINISH FLOOR PLAN - TICKETING
1/16" = 1'-0"



2 02 - ENLARGED FINISH TRANSITION FLOOR PLAN - TICKETING
1/16" = 1'-0"

CLIENT

Rhode Island T.F. Green International Airport

RHODE ISLAND AIRPORT CORPORATION

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+1.401.691.2000

ARCHITECT

ZDS inc.

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+1.401.680.6699

1405 RHODE ISLAND AVE. NW
WASHINGTON, DC 20005
+1.202.660.0555

PROJECT INFO

TRUE NORTH:

PROJECT NAME

RHODE ISLAND T.F. GREEN INTERNATIONAL AIRPORT

CONTRACT NO. 35219

2000 POST ROAD WARWICK, RI 02886

ZDS PROJECT NO. 24017

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

SK DATE/REF:

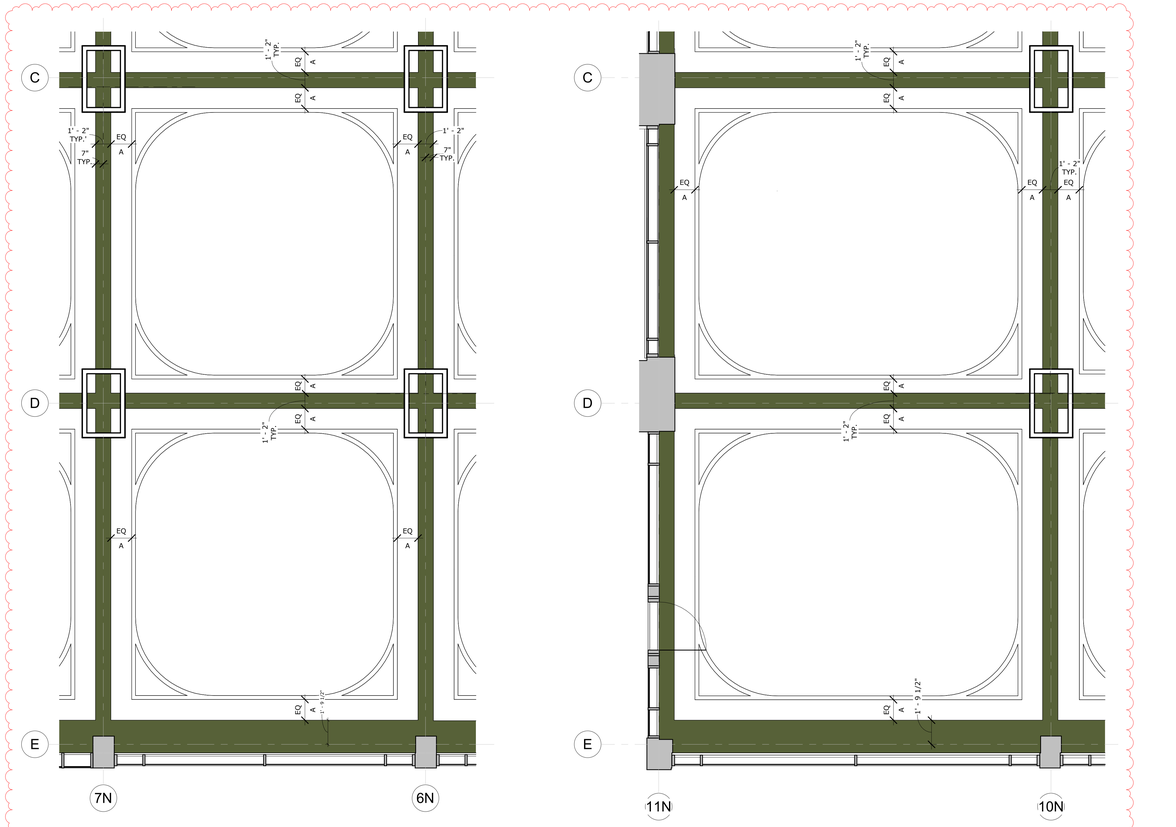
SHEET TITLE

FINISH FLOOR PLANS - ENLARGED

DRAWING NO.

ID1.23

PLOT CREATED: 9/6/2024 5:21:25 PM



1 02 - ENLARGED FINISH FLOOR PLAN - NORTH CONCOURSE - TYP. CENTER LAYOUT
1/4" = 1'-0"

2 02 - ENLARGED FINISH FLOOR PLAN - NORTH CONCOURSE - END CAP LAYOUT
1/4" = 1'-0"

PLAN NOTES:

1. ALL GROUT AT WET AREAS SHALL BE PERMACOLOR EPOXY GROUT OR EQUAL
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- **C-01** WALK-OFF CARPET
- **C-02** CARPET INLAY
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- **C-04** CARPET RUNNER

METAL:

- **MTL-01** METAL TRANSITION STRIP - 1/8"
- **MTL-02** METAL TRANSITION STRIP - 1/4"
- **MTL-03** METAL INLAY
- **MTL-05** BRASS ROD W/ FINIALS

STONE:

- **MARBLE PATTERN:** ST-01, 02, 03 04 - REFER TO SHEET ID5.00 FOR PATTERN AND ADDITIONAL INFORMATION
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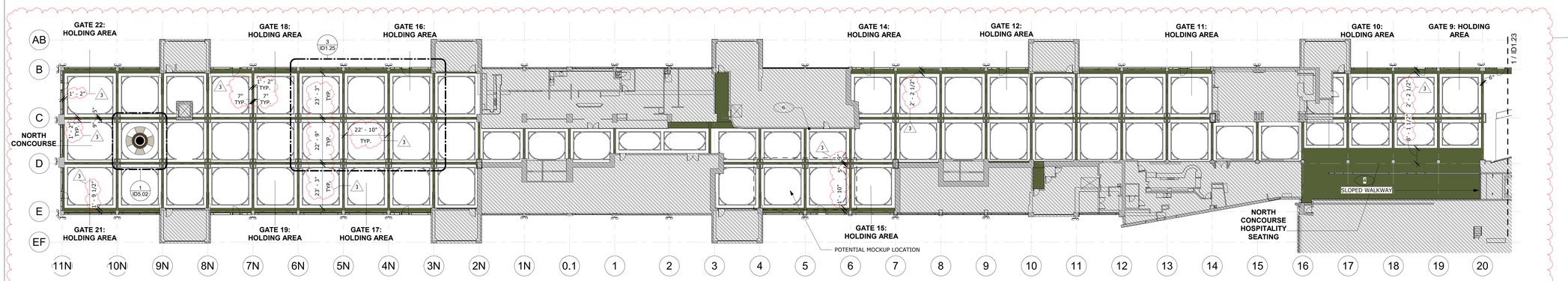
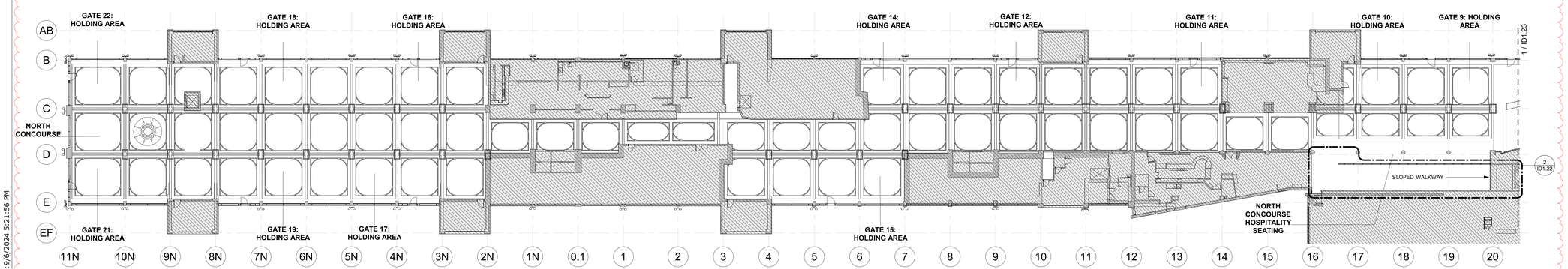
GENERAL:

- **NOT IN SCOPE**



3 02 - ENLARGED FINISH FLOOR PLAN - NORTH CONCOURSE
3/64" = 1'-0"



4 02 - ENLARGED FINISH TRANSITION FLOOR PLAN - NORTH CONCOURSE
3/64" = 1'-0"

PLOT CREATED: 9/6/2024 5:21:56 PM

CLIENT

Rhode Island
T. F. Green International Airport

RHODE ISLAND AIRPORT CORPORATION

2000 POST RD.
WARWICK, RI 02886
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ARCHITECT

ZDS

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PROJECT INFO

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2000 POST ROAD WARWICK, RI 02886

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

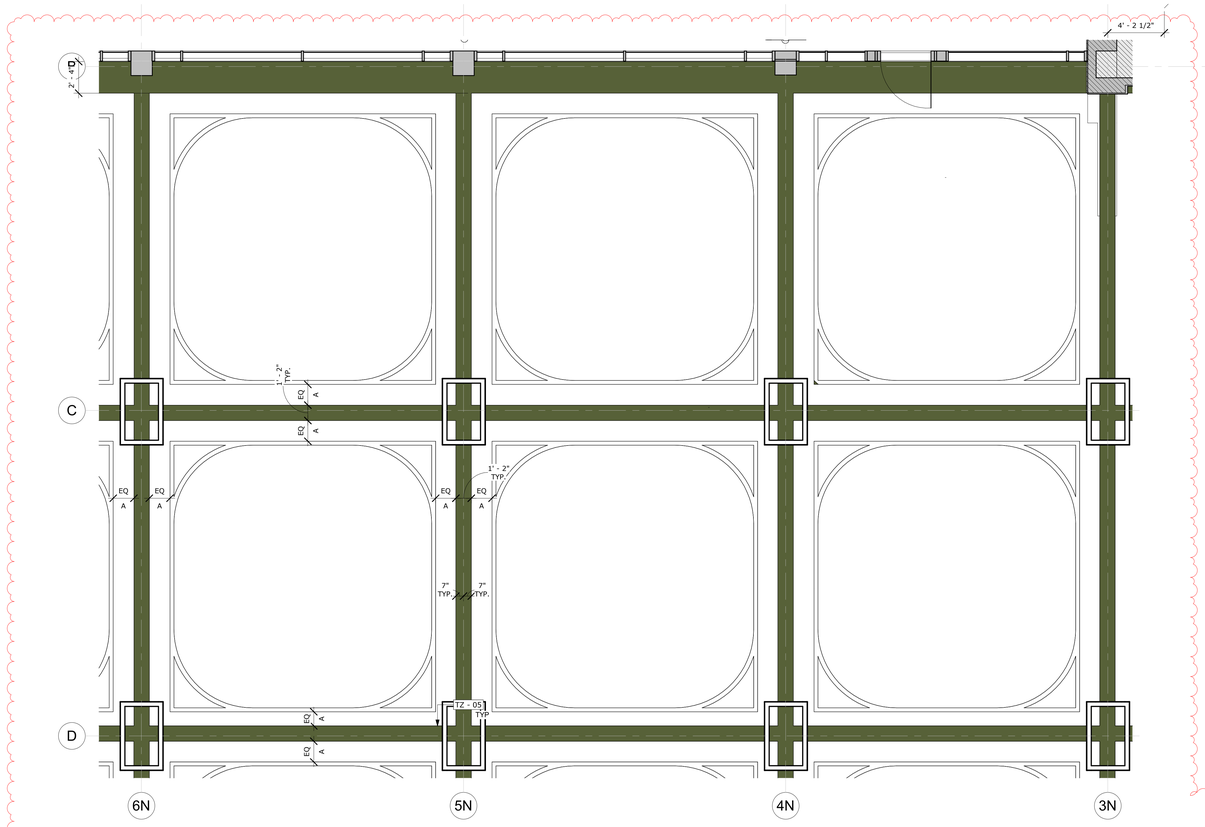
SK DATE/REF:

SHEET TITLE

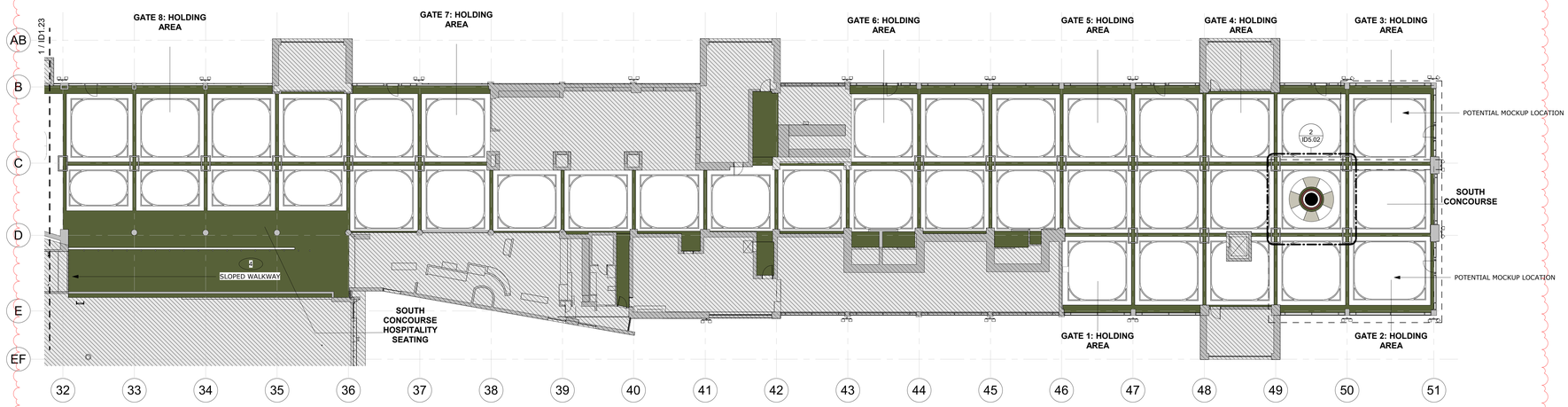
FINISH FLOOR PLANS - ENLARGED

DRAWING NO.

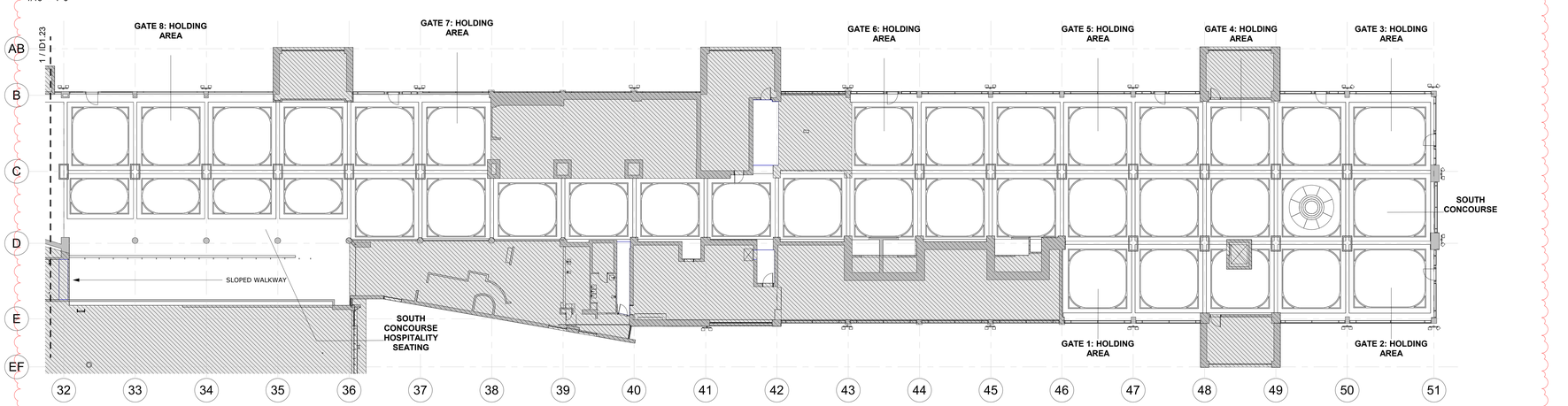
ID1.24



3 02 - ENLARGED FINISH FLOOR PLAN - NORTH CONCOURSE - BREAKOFF
1/4" = 1'-0"



1 02 - ENLARGED FINISH FLOOR PLAN - SOUTH CONCOURSE
1/16" = 1'-0"



2 02 - ENLARGED FINISH TRANSITION FLOOR PLAN - SOUTH CONCOURSE
1/16" = 1'-0"

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11. PER ADA REQUIREMENTS. FLOORING ON BOTH SIDES OF THRESHOLD SHALL BE FEATHERED UP TO ALIGN WITH EASED EDGE OF THRESHOLD
12. CONTRACTOR TO CONFIRM ALL TRANSITIONS TO EXISTING FLOOR MATERIALS WITH THE ARCHITECT BEFORE PROCEEDING
13. PROVIDE SUBFLOOR LEVELERS WHERE NECESSARY FOR SMOOTH TRANSITIONS OF ALL FLOOR FINISH MATERIALS
14. ALL FLOORING CUTS TO BE WATER-JET CUT TO ENSURE PRECISE CUTS
15. CARPET TILE INSERTS AT CAFETERIA TO BE INSTALLED FLUSH WITH SURROUNDING TERRAZZO & STAINLESS STEEL TRANSITIONS.
16. FLOOR FINISH PLANS SHOW SEAMS AT CERTAIN AREAS TO ESTABLISH DESIGN INTENT. FINAL FLOOR SEAM LOCATIONS TO BE SHOWN AS PART OF SUBMITTAL PROCESS
17. PRE-INSTALLATION CONFERENCE IS REQUIRED TO REVIEW FIELD CONDITIONS AND ACCEPTANCE OF FLOOR PREPARATION
18. FINISHES NOTED TO "MATCH EXISTING" TO BE SELECTED BY OWNER
19. TERRAZZO INSTALLER IS RESPONSIBLE FOR ADDITIONAL DIVIDER STRIPS REQUIRED FOR INSTALLATION. ALL STRIPS SHALL NOT BE MORE THAN 25' IN ANY DIRECTION.
20. ALL TERRAZZO FEATURE STRIPS TO BE 1/8", U.N.O.
21. **FLOOR FINISH PLANS (SERIES ID1.2X) ARE REQUIRED TO BE PRINTED IN COLOR.**
22. ALL DAMAGED/REMOVED WALL BASES TO BE REPLACE WITH PRODUCT IN-KIND. SUBMIT REPLACEMENT PRODUCT TO WONER AND ARCHITECT FOR APPROVAL.

PLAN KEYNOTES:

1. PROVIDE LIGHT WEIGHT CONCRETE TOPPING SLAB, MIN OF 1 1/2" THICKNESS. SCARIFY AND SAND BLAST EXISTING CONCRETE SLAB TO PREPARE AREA FOR NEW WORK. SLOPE SHALL BE 5% (1:20) MAX AND CONFINED TO BE WITHIN FOOTPRINT OF EXISTING SLOPED WALKWAY. REVIEW WITH ARCHITECT/OWNER EXTENDING BOTTOM OF SLOPED WALKWAY.
2. PROVIDE TEMPORARY RAMP, MIN. 5' WIDE WITH 8% (1:12) SLOPE AND 1 LANDING FOR A TOTAL HEIGHT OF 48" +/-. PROVIDE HAND RAILS @ 34" A.F.F. AND GUARDRAILS 42" A.F.F. CONTRACTOR TO VERIFY FINAL HEIGHTS. TEMPORARY RAMP SHALL CONFORM TO ALL LOCAL CODE REQUIREMENTS. PROVIDE SHOP DRAWINGS AND DETAILS FOR TEMP ANCHORING, STRUCTURE, AND FRAMING.
3. CONTRACTOR TO COORDINATE MOVING AND STORAGE OF EXISTING EQUIPMENT IN THE AREA.
4. RECESSED ABRASIVE STRIPS SHALL BE PROVIDED PER MANUFACTURERS RECOMMENDATION FOR THE ENTIRE LENGTH OF THE SLOPED WALKWAY.
5. INFILL WITH IN-KIND MATERIALS AFTER INSTALLATION OF FLOOR BOXES AND CONDUIT
6. PAINT WALL WITH IN-KIND ADJACENT COLOR
7. REPLACE WITH NEW FLOOR ACCESS PANELS IN KIND. ENSURE THRESHOLD MAINTAINS ADA (ANSI 117.1) TOLERANCES. REMOVE AND REPLACE GASKETING AS REQUIRED. SUBMIT REPLACEMENT PRODUCT TO WONER AND ARCHITECT FOR APPROVAL.
8. CONTRACTOR TO PROVIDE METAL TRANSITION STRIP OPTIONS TO ARCHITECT FOR APPROVAL. TRANSTION STRIP TO CREATE A FLUSH TRANSITION BETWEEN INSET RUG AND SURROUNDING STONE TILE. TRANSITION STRIP FINISH: SATIN OR BRUSHED BRASS.
9. PATCH AND REPAIR EXISTING SUBFLOOR FOR PROPER INSTALLATION OF NEW WORK.

FINISH FLOOR LEGEND:

CARPET:

- **C-01** WALK-OFF CARPET
- **C-02** CARPET INLAY
- **C-03** CARPET TILE
- **C-04** CARPET RUNNER

METAL:

- **MTL-01** METAL TRANSITION STRIP - 1/8"
- **MTL-02** METAL TRANSITION STRIP - 1/4"
- **MTL-03** METAL INLAY
- **MTL-05** BRASS ROD W/ FINIALS

STONE:

- **MARBLE PATTERN:** ST-01, 02, 03 04 - REFER TO SHEET ID5.00 FOR PATTERN AND ADDITIONAL INFORMATION
- **ST-01** MARBLE STONE TILE - WHITE
- **ST-02** MARBLE STONE TILE - BURGUNDY
- **ST-01** MARBLE STONE TILE - WHITE
- **ST-02** MARBLE STONE TILE - BURGUNDY

TERRAZZO:

- **TZ-01** POURED EPOXY TERRAZZO - CREAM
- **TZ-02** POURED EPOXY TERRAZZO - TAUPE
- **TZ-03** POURED EPOXY TERRAZZO - GRAY
- **TZ-04** POURED EPOXY TERRAZZO - BLACK
- **TZ-05** POURED EPOXY TERRAZZO - GREEN
- **TZ-06** POURED EPOXY TERRAZZO - BURGUNDY

GENERAL:

- **NOT IN SCOPE**

CLIENT

Rhode Island
T. F. Green International Airport

RHODE ISLAND AIRPORT CORPORATION

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PROJECT INFO

TRUE NORTH:

PROJECT NAME

RHODE ISLAND T.F. GREEN INTERNATIONAL AIRPORT

CONTRACT NO. 35219

2000 POST ROAD WARWICK, RI 02886

ZDS PROJECT NO. 24017

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

SK DATE/REF:

SHEET TITLE

FINISH FLOOR PLANS - ENLARGED

DRAWING NO.

ID1.25

PLOT CREATED: 9/6/2024 5:22:01 PM

PLAN NOTES:

1. ALL GROUT AT WET AREAS SHALL BE PERMACOLOR EPOXY GROUT OR EQUAL
2. VERTICAL CHANGES IN FLOOR SURFACE SHALL BE MAXIMUM 1/4" VERTICAL WITHOUT EDGE TREATMENT
3. ALL FINISHES SHALL MEET LOCAL, STATE AND FEDERAL CODES FOR FIRE SPREAD AND SMOKE REQUIREMENTS
4. ALL FLOOR FINISHES SHALL BE SLIP RESISTANT PER MINIMUM CODE REQUIREMENTS
5. ANY DISCREPANCIES BETWEEN FINISH SCHEDULE AND OTHER CONTRACT DOCUMENTS AND FIELD CONDITIONS SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT. PRICING TO INCLUDE THE MORE COSTLY OPTION
6. IT IS THE INTENT OF THESE DRAWINGS THAT ALL EXPOSED SURFACES RECEIVE NEW FINISHES AS INDICATED ON THE DRAWINGS OR WRITTEN SPECIFICATIONS UNLESS SPECIFICALLY NOTED OTHERWISE. ANY SURFACE WHICH DOES NOT HAVE A FINISH NOTED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND FINISHED PER THE ARCHITECT'S INSTRUCTIONS
7. ANY EXISTING CONDITIONS/MATERIALS TO REMAIN ARE TO BE PROPERLY PROTECTED DURING RENOVATION. ANY WALL, FLOOR, CEILING, TRIM OR CASEWORK FINISH THAT IS AFFECTED BY THE RENOVATIONS IS TO BE RETURNED TO A UNIFORM CONDITION EQUAL TO THE ADJACENT FINISH QUALITY AS SELECTED BY THE OWNER AND APPROVED BY THE ARCHITECT AND APPLIED TO BREAK-IN-PLANE EVEN IF IT EXTENDS BEYOND AREA DISTURBED BY RENOVATION WORK
8. THE CONTRACTOR SHALL IDENTIFY AND PRIORITIZE ALL LEAD TIMES FOR MATERIALS SPECIFIED TO AVOID SCHEDULE CONFLICTS. THIS INCLUDES MATERIALS REQUIRING MOCKUPS. NEITHER THE OWNER NOR THE ARCHITECT WILL BE HELD RESPONSIBLE FOR INACTION ON THE PART OF THE CONTRACTOR RESULTING IN ADDITIONAL EXPEDITED SHIPPING COSTS OR DELAYS TO THE CONSTRUCTION SCHEDULE
9. CONTRACTOR TO PROVIDE SEAMING PLANS FOR ALL AREAS WITH SEAMLESS FLOORING SPECIFIED FOR ARCHITECT'S REVIEW AND APPROVAL PRIOR TO INSTALLATION
10. ALL FLOORING TRANSITIONS SHALL TERMINATE AT THE CENTER OF A DOOR. IF THERE IS NO DOOR, FLOORING SHALL TERMINATE AT THE CENTER OF THE DOOR JAM OR OPENING OF A ROOM, U.N.O.
11. PER ADA REQUIREMENTS. FLOORING ON BOTH SIDES OF THRESHOLD SHALL BE FEATHERED UP TO ALIGN WITH EASED EDGE OF THRESHOLD
12. CONTRACTOR TO CONFIRM ALL TRANSITIONS TO EXISTING FLOOR MATERIALS WITH THE ARCHITECT BEFORE PROCEEDING
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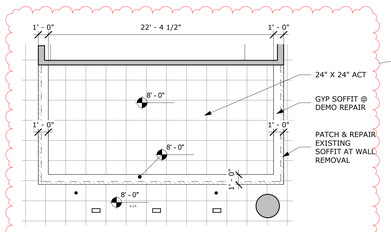
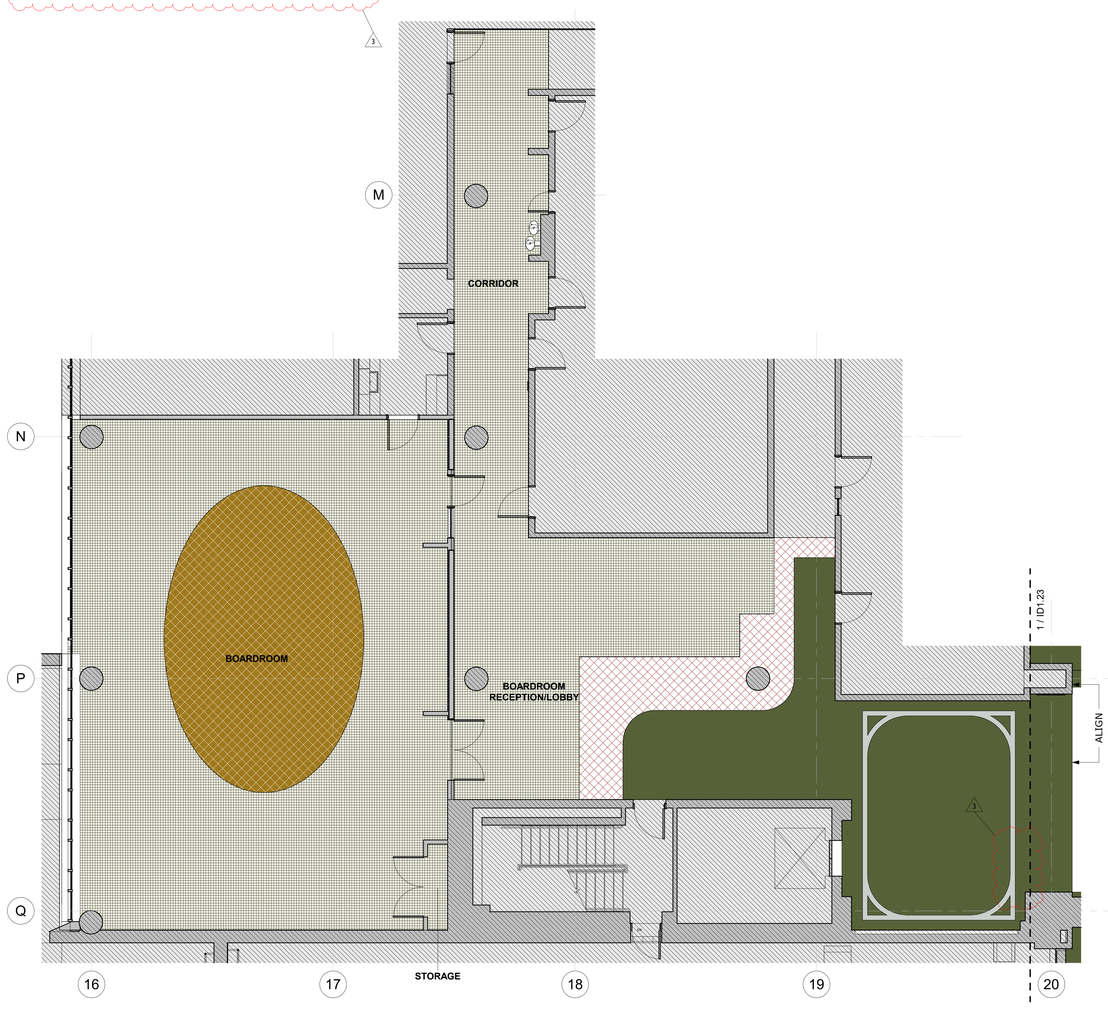
- **TZ-05** POURED EPOXY TERRAZZO - GREEN
- **TZ-06** POURED EPOXY TERRAZZO - BURGUNDY

GENERAL:

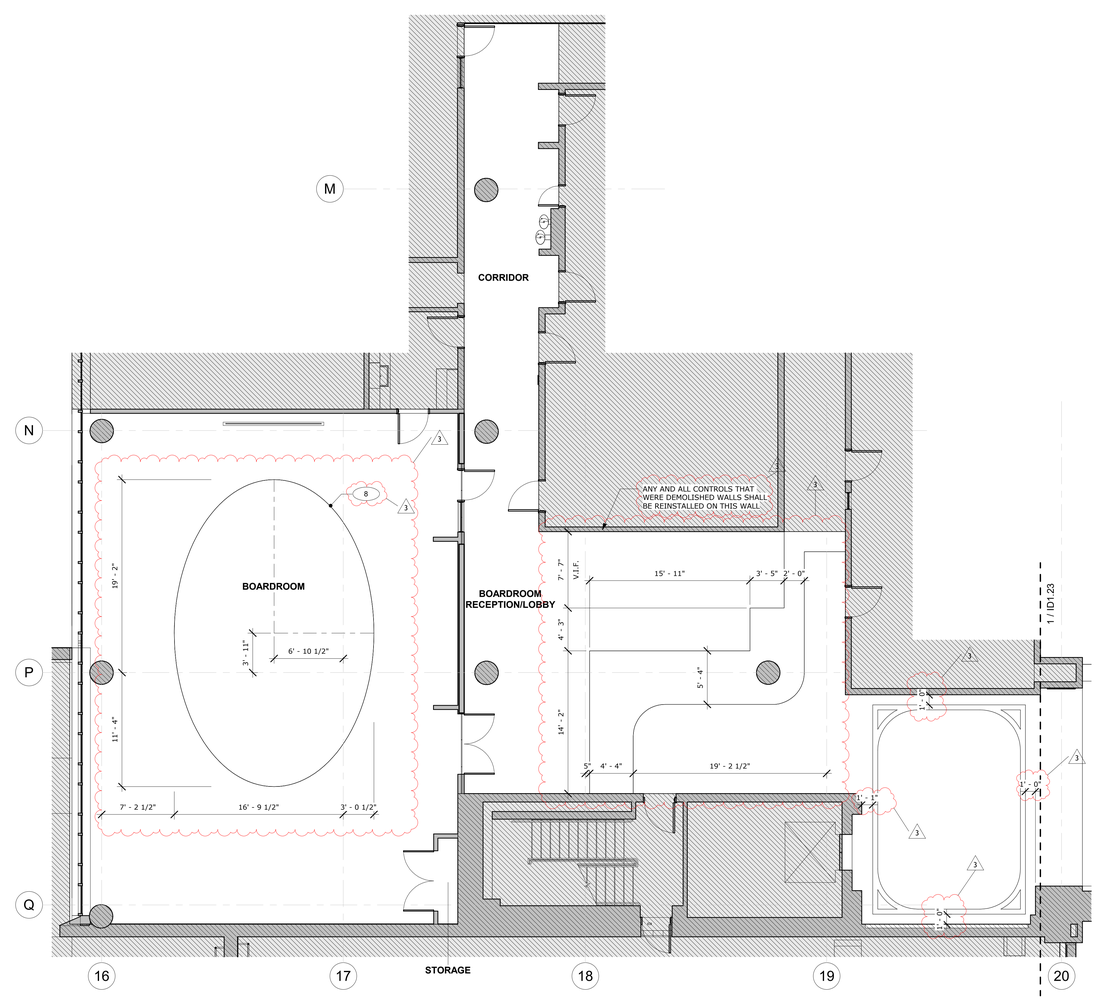
- **NOT IN SCOPE**



1 02 -ENLARGED RCP - BOARDROOM RECEPTION
3/16" = 1'-0"



3 02 - ENLARGED FINISH FLOOR PLAN - BOARDROOM SUITE
3/16" = 1'-0"



4 02 - ENLARGED FINISH TRANSITION FLOOR PLAN - BOARDROOM SUITE
3/16" = 1'-0"

CLIENT

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PROJECT INFO

TRUE NORTH:

PROJECT NAME

RHODE ISLAND T.F. GREEN INTERNATIONAL AIRPORT

CONTRACT NO. 35219

2000 POST ROAD WARWICK, RI 02886

ZDS PROJECT NO. 24017

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

SK DATE/REF:

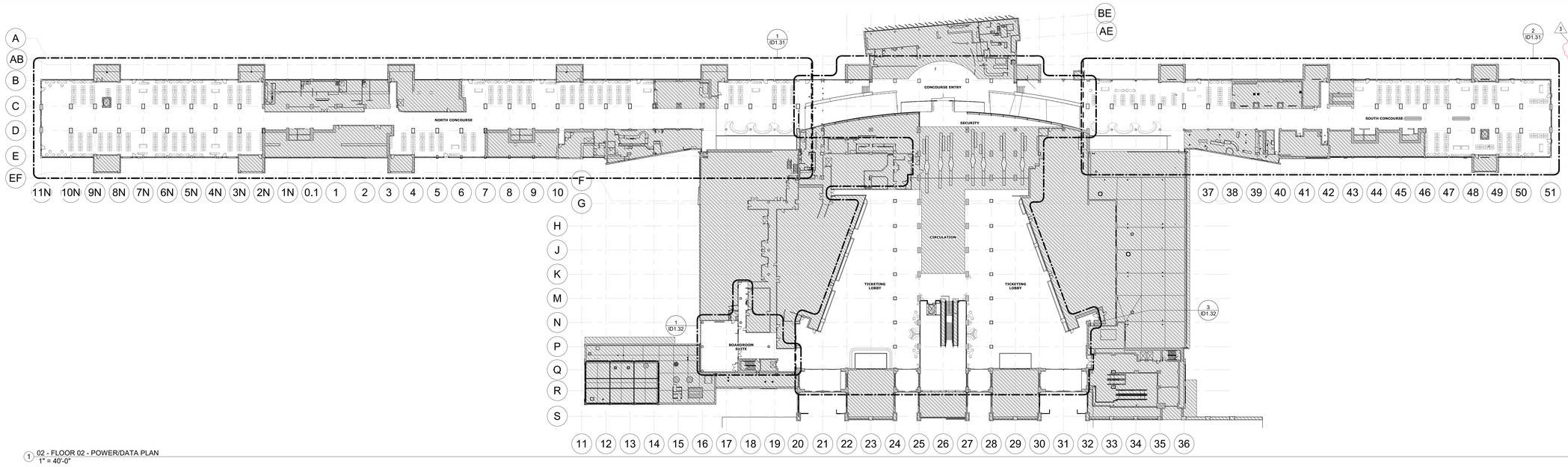
SHEET TITLE

FINISH FLOOR PLANS - ENLARGED

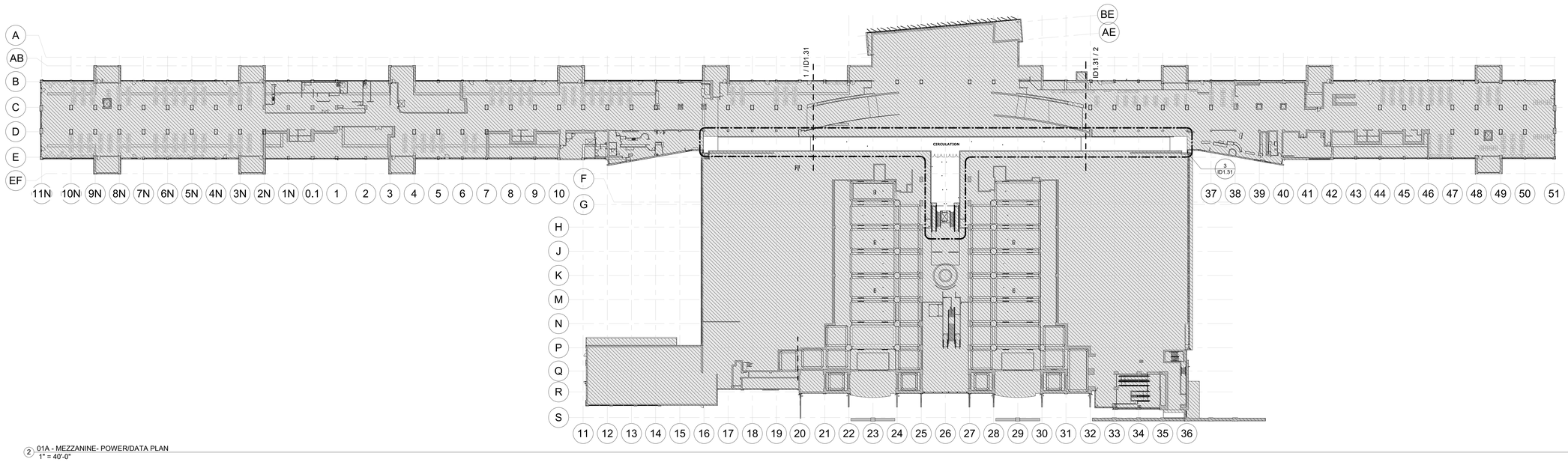
DRAWING NO.

ID1.26

PLOT CREATED:9/6/2024 5:22:05 PM



1 02 - FLOOR 02 - POWER/DATA PLAN
1" = 40'-0"



2 01A - MEZZANINE- POWER/DATA PLAN
1" = 40'-0"

3 01 - FLOOR 01 - POWER/DATA PLAN
1" = 40'-0"

POWER/DATA NOTES:

1. ALL POWER/DATA WORK, WHILE SHOWN ON OVERALL PLANS, ARE MORE DETAILED IN NATURE ON ENLARGED PLANS.
2. COORDINATE WITH RIAC AND ARCHITECT TO CONFIRM FINAL POWER/DATA LOCATIONS.

PLAN LEGEND:

- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- DEMOLISH
- REFER TO KEYNOTE
- REFER TO KEYNOTE, TYPICAL NOTE
- NOT IN SCOPE

CLIENT

Rhode Island
T. F. Green International Airport

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PROJECT INFO

TRUE NORTH:

PROJECT NAME

RHODE ISLAND T.F. GREEN INTERNATIONAL AIRPORT

CONTRACT NO. 35219

2000 POST ROAD WARWICK, RI 02886

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

SK DATE/REF:

SHEET TITLE

POWER/DATA PLANS - OVERALL

DRAWING NO.

ID1.30

PLOT CREATED: 9/6/2024 5:22:48 PM

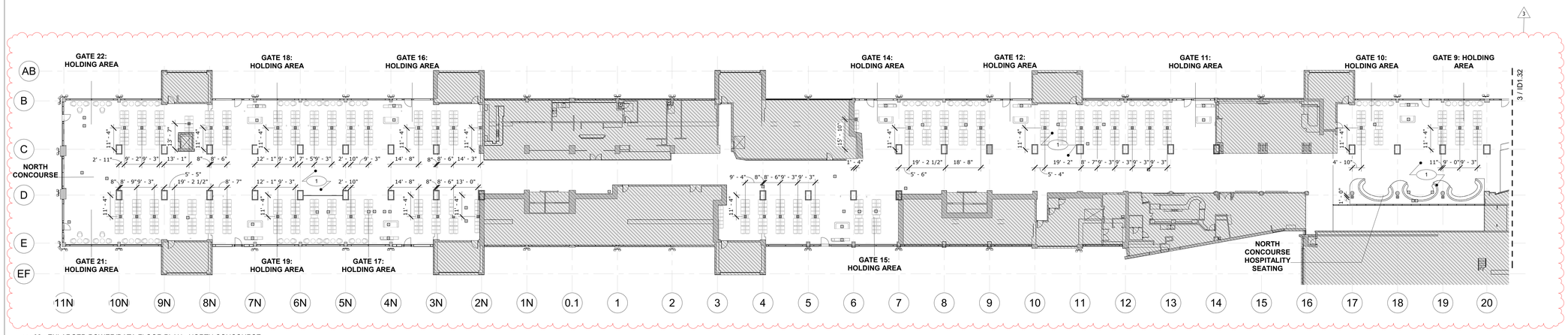
POWER & DATA PLAN NOTES

1. ELECTRICAL OUTLETS ARE SHOWN GENERICALLY. ALL QUANTITIES AND LOCATIONS ARE TO BE COORDINATED WITH GC, OWNER AND INTERIOR DESIGNER PRIOR TO INSTALLATION
2. COORDINATE WITH RIAC AND ARCHITECT TO CONFIRM FINAL POWER/DATA LOCATIONS.

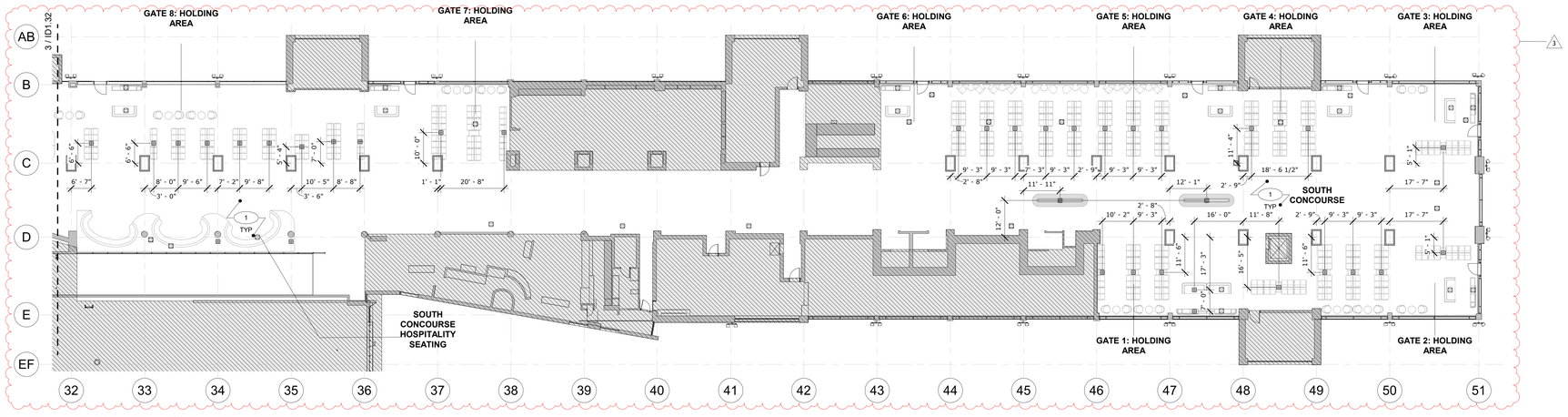
FF&E PLAN LEGEND

NEW FLOOR BOX

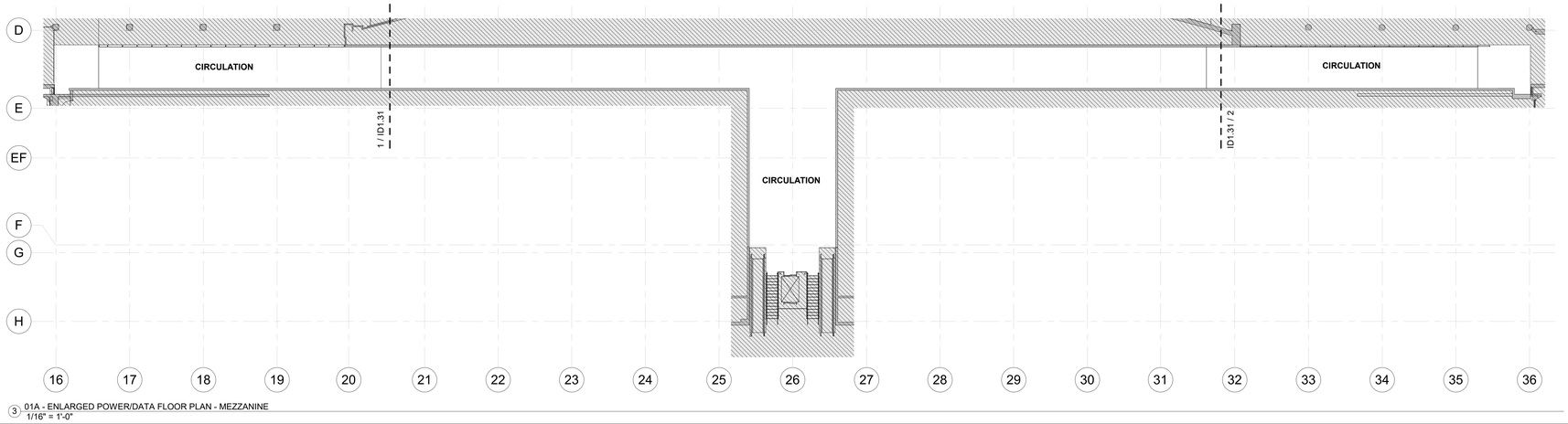
EXISTING TO REMAIN FLOOR BOX



1 02 - ENLARGED POWER/DATA FLOOR PLAN - NORTH CONCOURSE
3/64" = 1'-0"



2 02 - ENLARGED POWER/DATA FLOOR PLAN - SOUTH CONCOURSE
1/16" = 1'-0"



3 01A - ENLARGED POWER/DATA FLOOR PLAN - MEZZANINE
1/16" = 1'-0"

PLOT CREATED:9/6/2024 5:23:04 PM

CLIENT

Rhode Island
T. F. Green International Airport

RHODE ISLAND AIRPORT CORPORATION

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

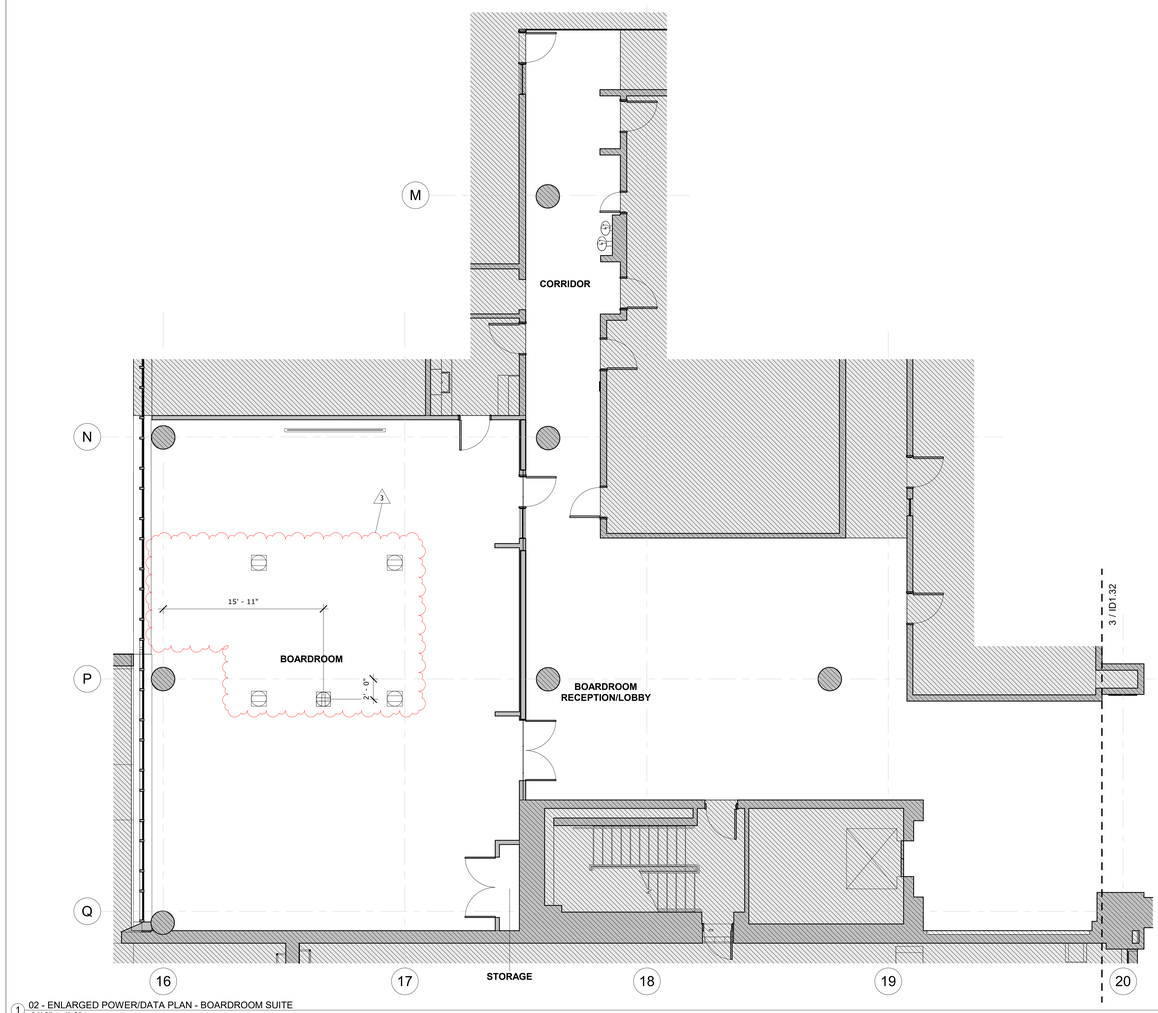
SK DATE/REF:

SHEET TITLE

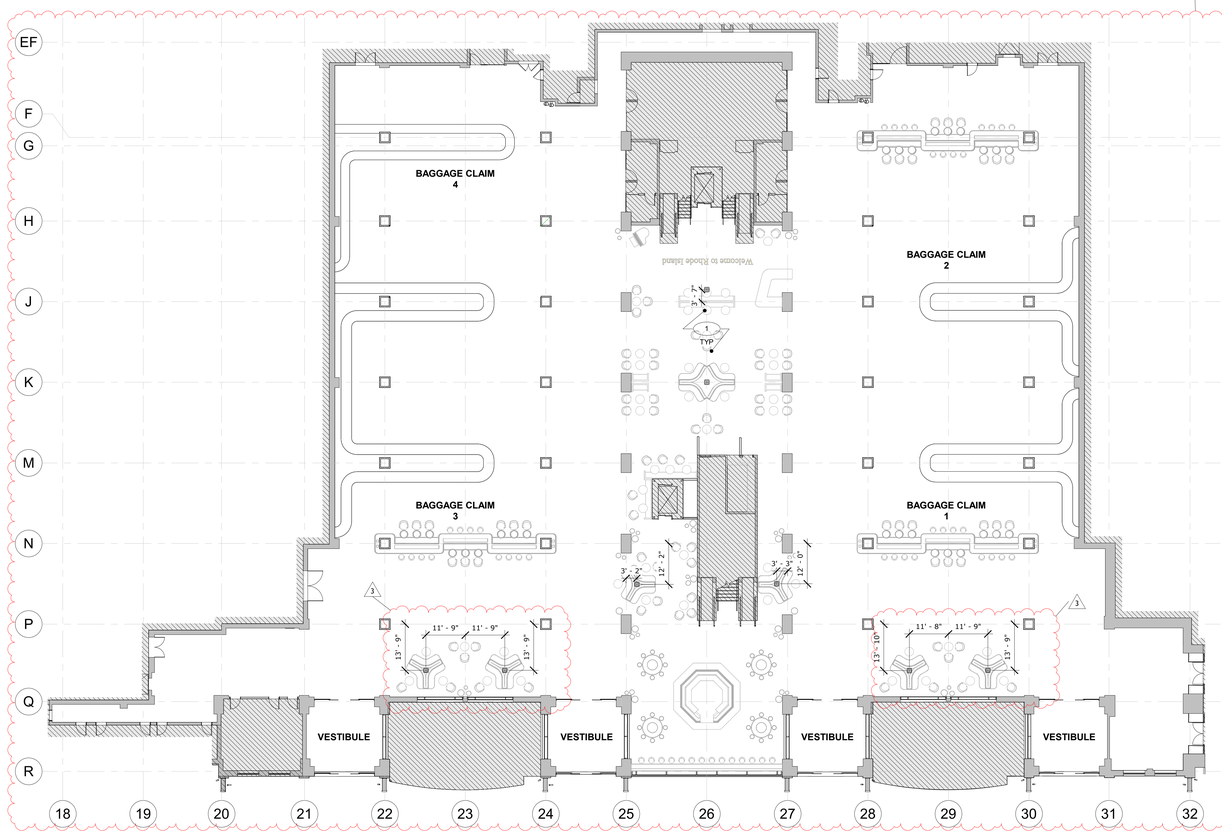
POWER/DATA PLANS - ENLARGED

DRAWING NO.

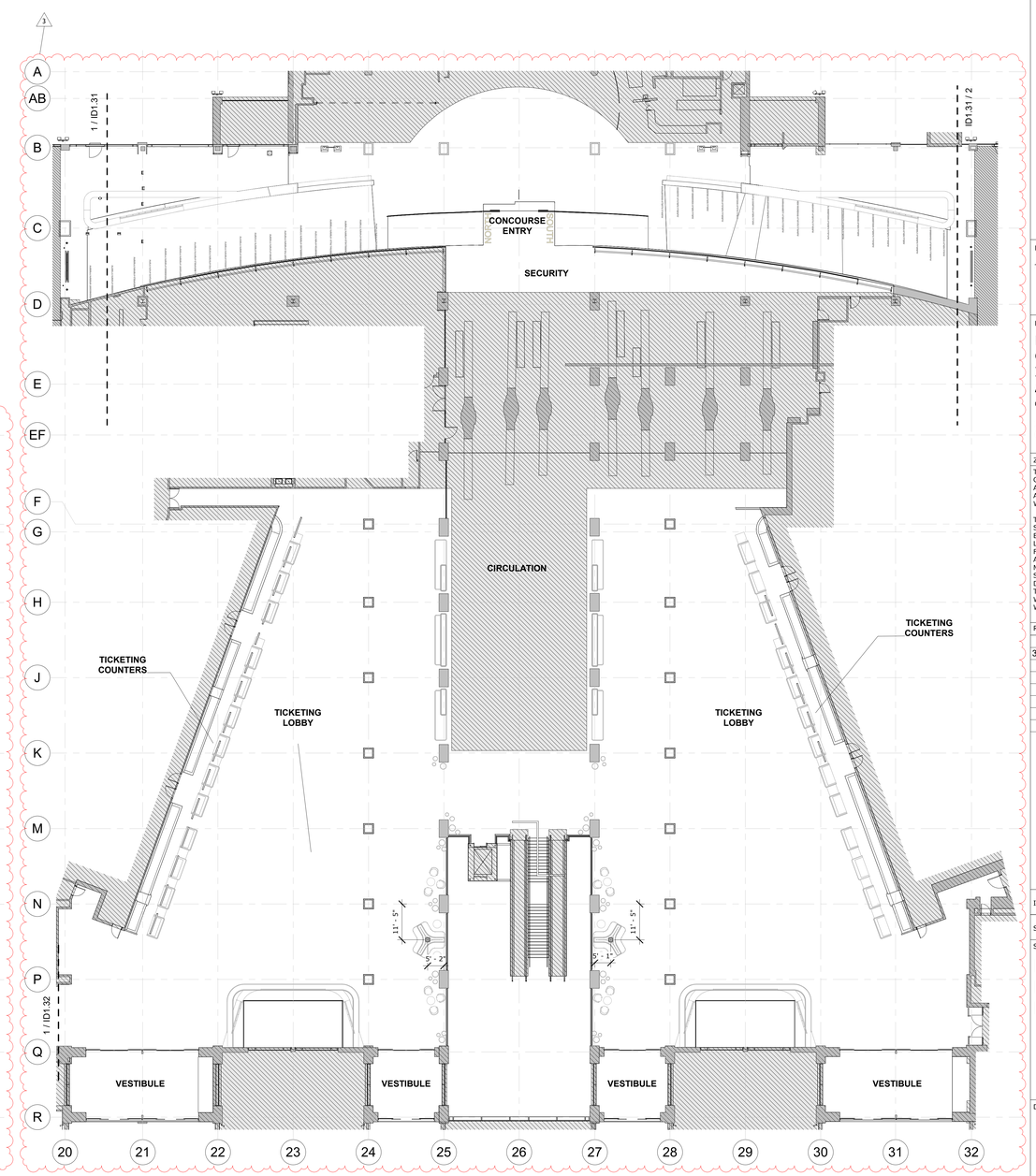
ID1.31



1 02 - ENLARGED POWER/DATA PLAN - BOARDROOM SUITE
3/16" = 1'-0"



2 01 - ENLARGED POWER/DATA PLAN - BAGGAGE CLAIM
1/16" = 1'-0"



3 02 - ENLARGED POWER/DATA PLAN - TICKETING
1/16" = 1'-0"

POWER & DATA PLAN NOTES

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FF&E PLAN LEGEND

NEW FLOOR BOX

EXISTING TO REMAIN FLOOR BOX

CLIENT

Rhode Island
T. F. Green International Airport

RHODE ISLAND AIRPORT CORPORATION

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ARCHITECT

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ZDS PROJECT NO. 24017

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

SK DATE/REF:

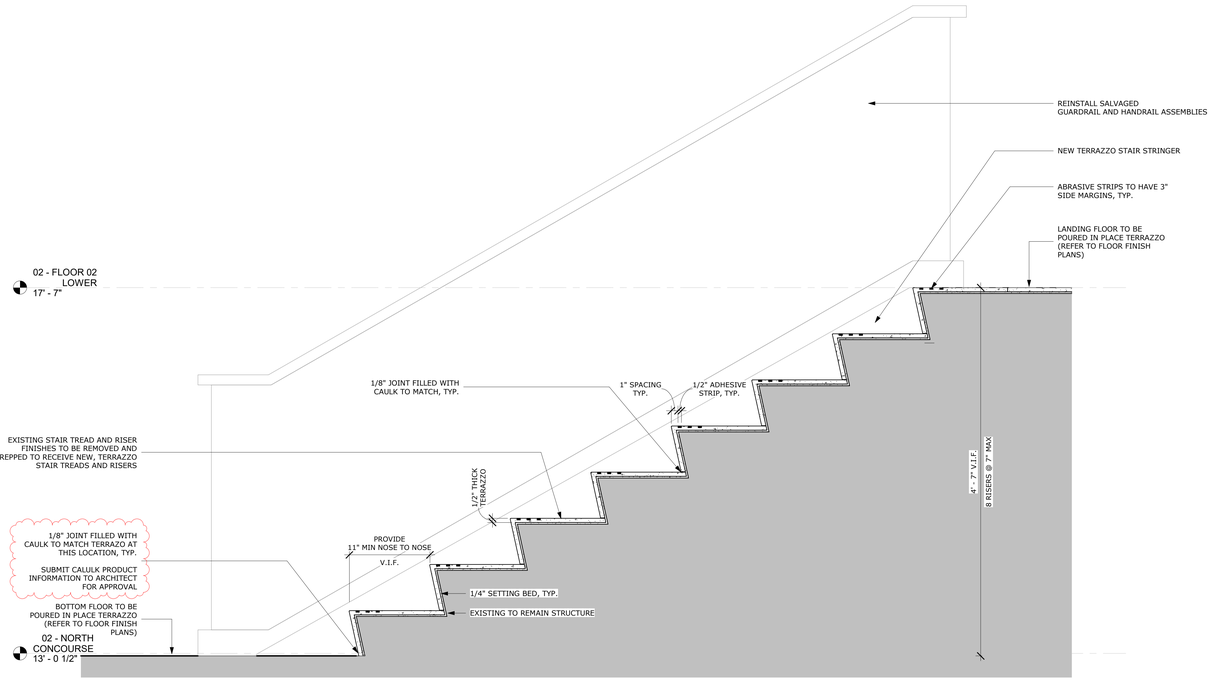
SHEET TITLE

POWER/DATA PLANS - ENLARGED

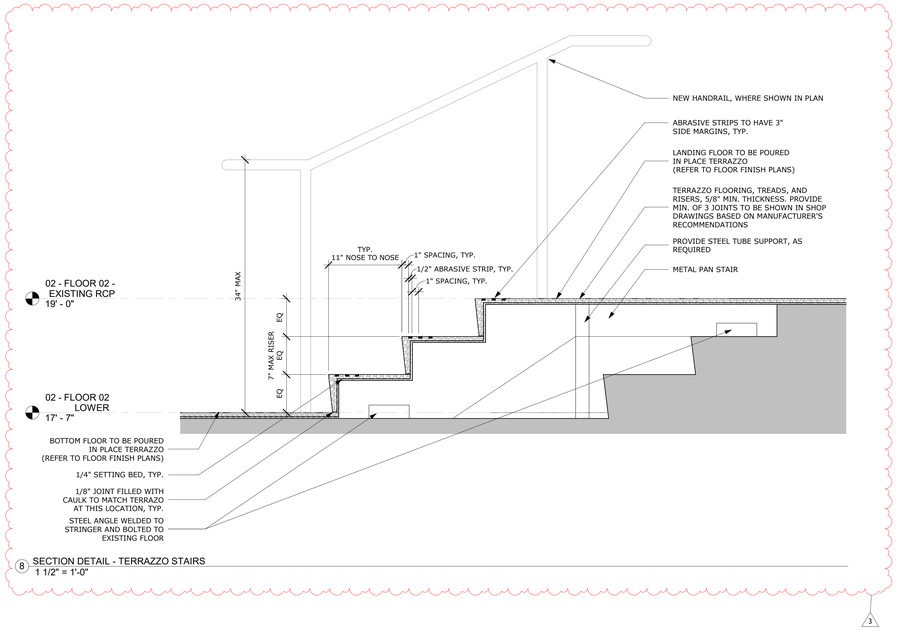
DRAWING NO.

ID1.32

PLOT CREATED: 9/6/2024 5:23:14 PM



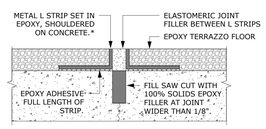
7 SECTION DETAIL - EXISTING STAIRS W/ NEW TERRAZZO TREADS
1 1/2" = 1'-0"



8 SECTION DETAIL - TERRAZZO STAIRS
1 1/2" = 1'-0"

DETAIL 1. CONTRACTION JOINT (ALSO CALLED SAW CUTS/CONTROL JOINTS)

THE TERM "CONTRACTION JOINT" IS TAKEN FROM ACI 302 DOCUMENT TO MAINTAIN CONSISTENT NOMENCLATURE WITH THE CONCRETE AND ENGINEERING INDUSTRY.

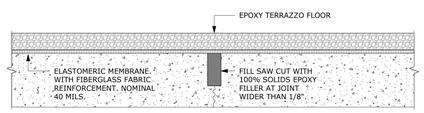


OPTION: FOR "ART WORK AREAS". SEE BURIED CONTRACTION JOINT. REFER TO DETAIL 3.

*CARE SHOULD BE TAKEN BY CONCRETE CONTRACTOR TO PROVIDEA STRAIGHT JOINT, PLACED IN COORDINATION WITH DESIGN TEAMS CONSIDERATION OF FINAL GRID PATTERN. SQUARE EDGES ENCOURAGED. TOOLED EDGES DISCOURAGED.

**THIS DETAIL MUST BE USED FOR RADIANT HEATED FLOORS.

DETAIL 3. OPTION IN ART WORK (MOVEMENT FROM SUBSTRATE MAY SHOW THROUGH.)



TREATMENT OF CRACKS IS IN ANTICIPATION OF HORIZONTAL MOVEMENT.

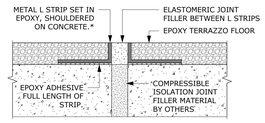
VERTICAL MOVEMENT WILL REFLECT THROUGH EPOXY TERRAZZO.

MOVING CRACKS MAY REFLECT THROUGH TERRAZZO.

*CARE SHOULD BE TAKEN BY CONCRETE CONTRACTOR TO PROVIDEA STRAIGHT JOINT, PLACED IN COORDINATION WITH DESIGN TEAMS CONSIDERATION OF FINAL GRID PATTERN. SQUARE EDGES ENCOURAGED. TOOLED EDGES DISCOURAGED.

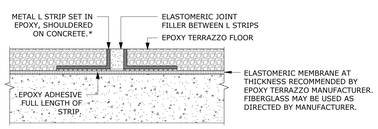
DETAIL 4. ISOLATION JOINT

THE FLEXIBLE EPOXY MEMBRANES ARE ENGINEERED TO HANDLE MOVEMENT IN THE HORIZONTAL PLANE. THEY ARE NOT ENGINEERED TO ACCOMMODATE MOVEMENT IN THE VERTICAL PLANE, AS A RESULT OF VERTICAL SHEAR DUE TO SUBSTRATE SETTLEMENT OR EXCESSIVE DEFLECTION. SLABS TO RECEIVE TERRAZZO FLOORING SHOULD ACCOMMODATE ISOLATION JOINTS WHERE THE SLAB IS SEPARATED FROM THE LOAD BEARING COLUMNS OR WALLS FOR THIS SPECIFIC PURPOSE.



*CARE SHOULD BE TAKEN BY CONCRETE CONTRACTOR TO PROVIDEA STRAIGHT JOINT, PLACED IN COORDINATION WITH DESIGN TEAMS CONSIDERATION OF FINAL GRID PATTERN. SQUARE EDGES ENCOURAGED. TOOLED EDGES DISCOURAGED.

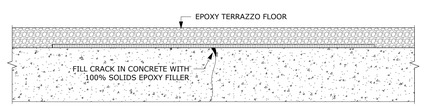
DETAIL 5. TERRAZZO CONTROL JOINTING OVER FULL ELASTOMERIC MEMBRANE



THE USE OF DIVIDER STRIPS (L STRIPS) SHOULD BE CONSIDERED IN AREAS WHERE FLOOR TEMPERATURE CHANGES MAY OCCUR. SUCH AS GLASS WALLS AND OR SKY LIGHTS, IF JOINTS ARE TO BE USED, THE DESIGN TEAMS MUST DETERMINE SPACING. SPACING NOT TO EXCEED 30 FEET.

DETAIL 6. RANDOM CRACK DETAIL: FOR CRACKS OVER 1/16" WIDTH BEFORE SURFACE PREPARATION

AT MINIMUM, ANY LARGE CRACKS OVER 1/16" REQUIRE APPROPRIATE DETAILING. IN SOME BUILDING AND SLAB DESIGNS, EXCESSIVE TEMPERATURE CYCLING OR LOAD TRANSFER MAY NECESSITATE THE DETAILING OF ALL CRACKS.

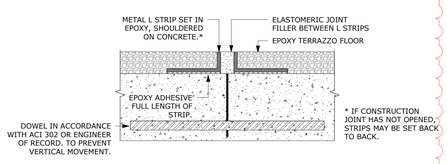


TREATMENT OF CRACKS IS IN ANTICIPATION OF HORIZONTAL MOVEMENT.

VERTICAL MOVEMENT WILL REFLECT THROUGH EPOXY TERRAZZO.

MOVING CRACKS MAY REFLECT THROUGH TERRAZZO, OFTEN SEEN UNDER CRITICALLIGHTING AS *MICRO-CREASE OR MINI-MOLE TRAIL* . EVEN THOUGH NO ACTUAL FISSURE HAS OPENED, THE MEMBRANE HAS PERFORMED AS INTENDED.

DETAIL 7. CONSTRUCTION JOINT (NEXT DAY POUR WHERE JOINT HAS EASED SHOULDERS OR HAS OPENED.)



OPTION: FOR "ART WORK AREAS". SEE BURIED CONTRACTION JOINT. REFER TO DETAIL 3.

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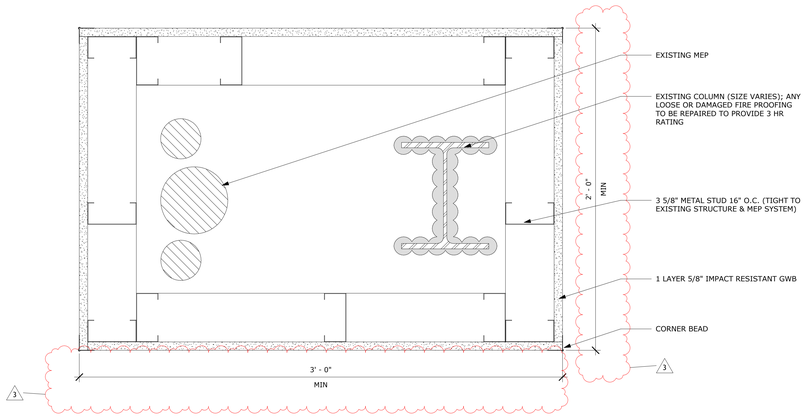
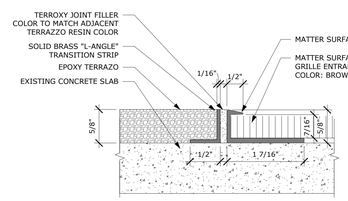
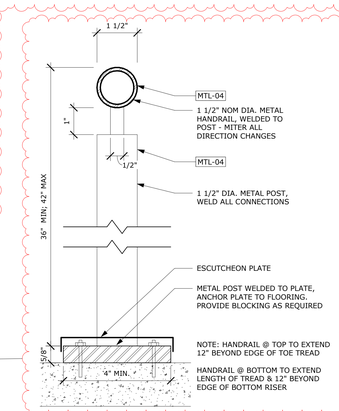


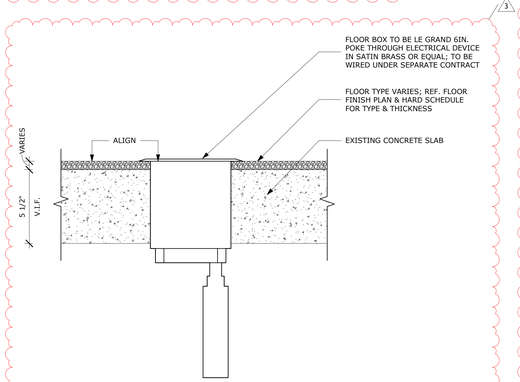
9 CONCOURSE COLUMN DETAIL
3" = 1'-0"



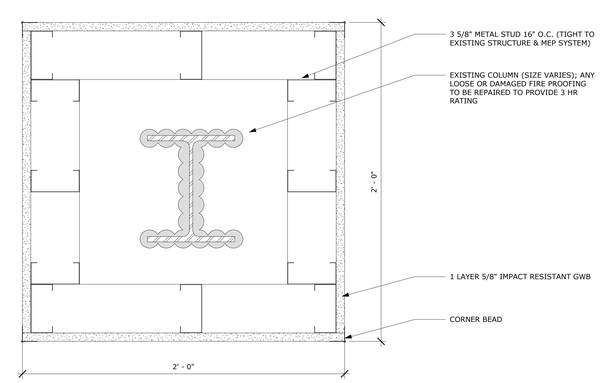
6 TERRAZZO - FOOT GRILLE ENTRANCE SYSTEM DETAIL
12" = 1'-0"



10 STAIR DETAIL - TYPICAL RAILING PICKET GUARD SYSTEM W/ WD STRINGER
6" = 1'-0"



11 FLOOR BOX DETAIL
3" = 1'-0"



1 BAGGAGE CLAIM & TICKETING COLUMN DETAIL
3" = 1'-0"

CLIENT

Rhode Island
T. F. Green International Airport

RHODE ISLAND AIRPORT CORPORATION

2000 POST RD.
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1405 RHODE ISLAND AVE. NW
WASHINGTON, DC 20005
+1.202.660.0555

PROJECT INFO

TRUE NORTH:

PROJECT NAME

RHODE ISLAND T.F. GREEN INTERNATIONAL AIRPORT

CONTRACT NO. 35219

2000 POST ROAD WARWICK, RI 02886

ZDS PROJECT NO. 24017

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

SK DATE/REF:

SHEET TITLE

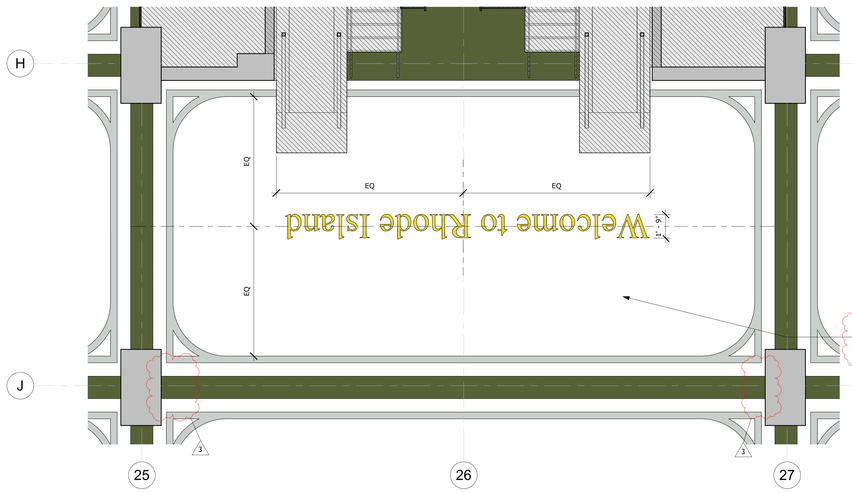
DETAILS

DRAWING NO.

ID5.00

PLOT CREATED:9/6/2024 5:23:17 PM

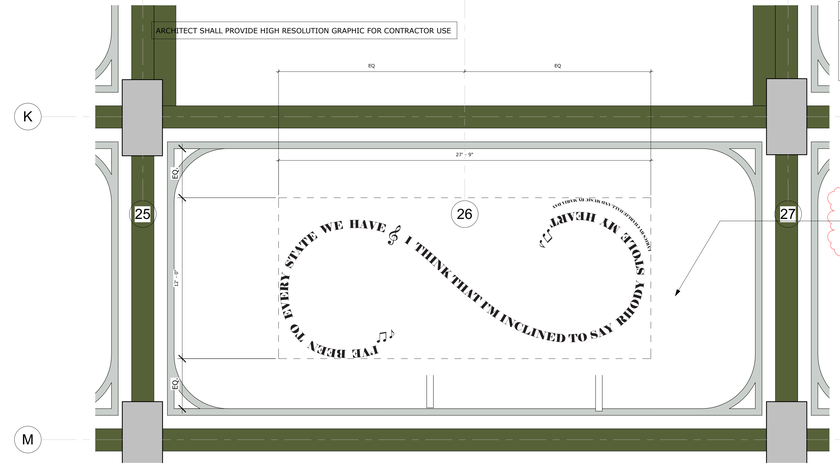
ARCHITECT SHALL PROVIDE HIGH RESOLUTION GRAPHIC FOR CONTRACTOR USE



MTL-03 BRASS INLAY "WELCOME TO RHODE ISLAND"; FINAL FONT STYLE ELEPHANT REGULAR

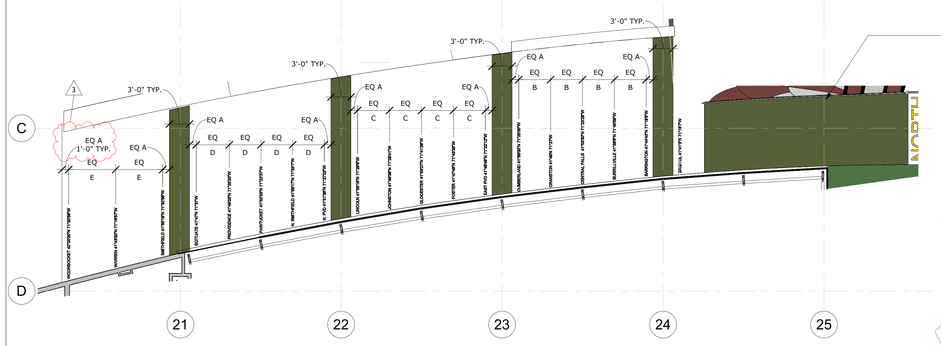
1 01 - ENLARGED WELCOME TO RI BRASS INLAY
1/4" = 1'-0"

ARCHITECT SHALL PROVIDE HIGH RESOLUTION GRAPHIC FOR CONTRACTOR USE



MTL-03 BRASS INLAY "I'VE BEEN TO EVERY STATE WE HAVE & I THINK THAT I'M INCLINED TO SAY THAT RHODY STOLE MY HEART!"; FINAL FONT STYLE ELEPHANT REGULAR

3 02 - ENLARGED STATE SONG BRASS INLAY
1/4" = 1'-0"



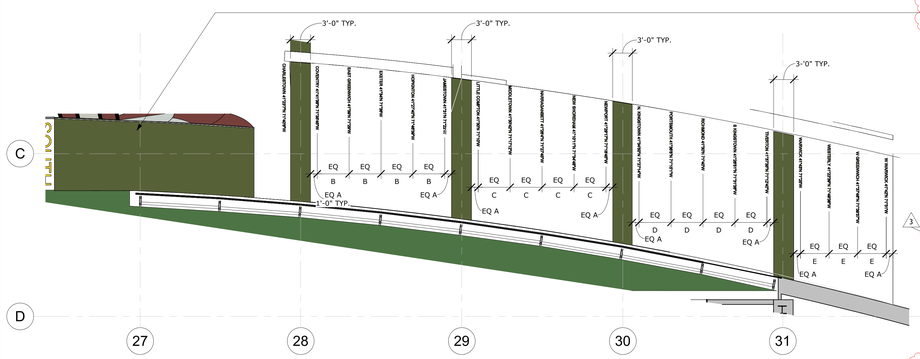
MTL-03 BRASS INLAY "NORTH"; FINAL FONT STYLE ELEPHANT REGULAR

MTL-03 BRASS INLAY TOWN NAMES WITH LONGITUDE & LATITUDE (*PLAN RIGHT TO LEFT*):

BARRINGTON 41°44'43"N 71°19'5"W
BURRILLVILLE 41°58'6"N 71°40'59"W
CENTRAL FALLS 41°53'30"N 71°23'28"W
CRANSTON 41°46'N 71°27'W
CUMBERLAND 41°58'00"N 71°25'58"W
EAST PVD 41°48'49"N 71°22'12"W
FOSTER 41°47'49"N 71°43'38"W
GLOCESTER 41°53'27"N 71°41'26"W
JOHNSTON 41°49'36"N 71°29'41"W
LINCOLN 41°55'16"N 71°26'6"W
N. PVD 41°51'36"N 71°27'23"W
N. SMITHFIELD 41°59'17"N 71°33'7"W
PAWTUCKET 41°52'33"N 71°22'37"W
PROVIDENCE 41°49'25"N 71°25'20"W
SCITUATE 41°47'N 71°37'W
SMITHFIELD 41°55'18"N 71°32'58"W
WARREN 41°43'50"N 71°16'57"W
WOONSOCKET 42°00'30"N 71°30'58"W

FINAL FONT STYLE ELEPHANT REGULAR

4 02 - ENLARGED NORTH CONCOURSE RAMP
1/8" = 1'-0"



MTL-03 BRASS INLAY "SOUTH" ; FINAL FONT STYLE ELEPHANT REGULAR

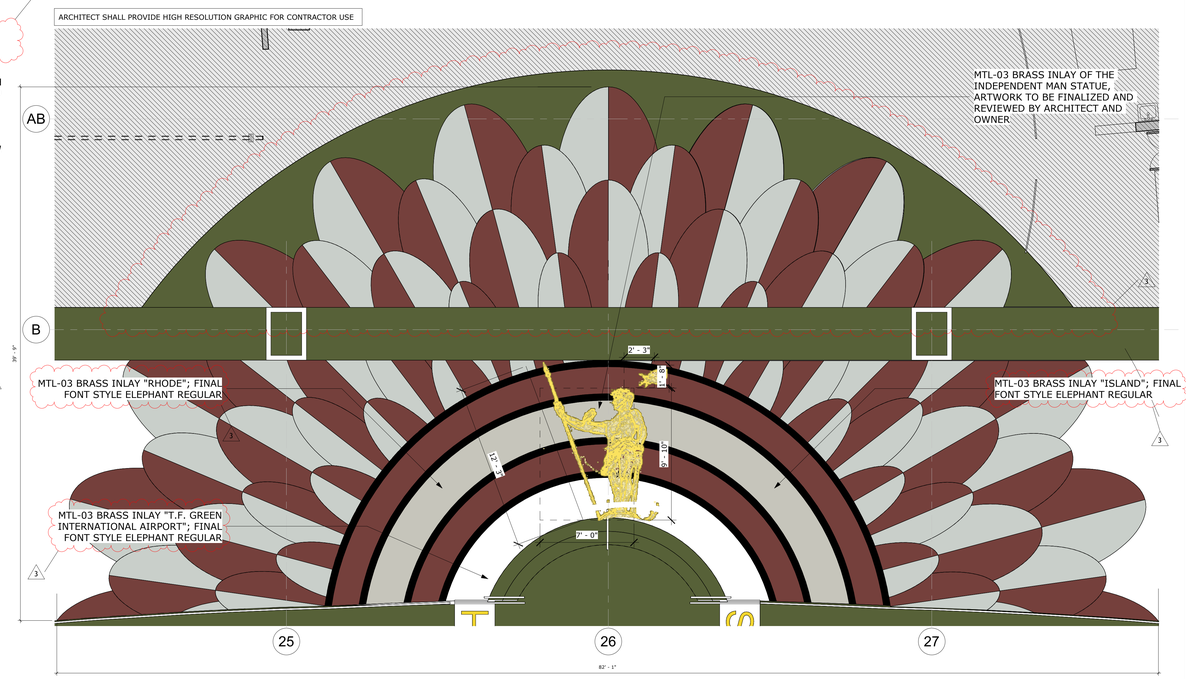
MTL-03 BRASS INLAY TOWN NAMES WITH LONGITUDE & LATITUDE (*PLAN LEFT TO RIGHT*):

BRISTOL 41°41'3"N 71°16'7"W
CHARLESTOWN 41°23'7"N 71°40'5"W
COVENTRY 41°41'38"N 71°35'45"W
EAST GREENWICH 41°39'N 71°29'W
EXETER 41°34'N 71°36'W
HOPKINTON 41°27'40"N 71°46'39"W
JAMESTOWN 41°31'N 71°22'W
LITTLE COMPTON 41°30'N 71°10'W
MIDDLETOWN 41°30'42"N 71°17'12"W
NARRAGANSETT 41°26'4"N 71°27'45"W
NEW SHOREHAM 41°10'11"N 71°34'48"W
NEWPORT 41°29'17"N 71°18'45"W
N. KINGSTOWN 41°34'50"N 71°27'14"W
PORTSMOUTH 41°36'8"N 71°15'1"W
RICHMOND 41°30'N 71°40'W
S KINGSTOWN 41°26'51"N 71°31'38"W
TIVERTON 41°37'35"N 71°12'40"W
WARWICK 41°43'N 71°25'W
WESTERLY 41°22'39"N 71°49'38"W
W GREENWICH 41°37'46"N 71°39'37"W
W WARWICK 41°42'N 71°31'W

FINAL FONT STYLE ELEPHANT REGULAR

5 02 - ENLARGED SOUTH CONCOURSE RAMP
1/8" = 1'-0"

ARCHITECT SHALL PROVIDE HIGH RESOLUTION GRAPHIC FOR CONTRACTOR USE



MTL-03 BRASS INLAY OF THE INDEPENDENT MAN STATUE, ARTWORK TO BE FINALIZED AND REVIEWED BY ARCHITECT AND OWNER

MTL-03 BRASS INLAY "RHODE"; FINAL FONT STYLE ELEPHANT REGULAR

MTL-03 BRASS INLAY "ISLAND"; FINAL FONT STYLE ELEPHANT REGULAR

MTL-03 BRASS INLAY "T.F. GREEN INTERNATIONAL AIRPORT"; FINAL FONT STYLE ELEPHANT REGULAR

2 ENLARGED INDEPENDENT MAN BRASS INLAY
1/4" = 1'-0"

MTL-03 BRASS INLAY "RHODE"; FINAL FONT STYLE ELEPHANT REGULAR

MTL-03 BRASS INLAY "T.F. GREEN INTERNATIONAL AIRPORT"; FINAL FONT STYLE ELEPHANT REGULAR

MTL-03 BRASS INLAY OF THE INDEPENDENT MAN STATUE, ARTWORK TO BE FINALIZED AND REVIEWED BY ARCHITECT AND OWNER

MTL-03 BRASS INLAY PATTERN INSPIRED BY THE RHODE ISLAND CAPITAL BUILDING DOME TRIMWORK, ARTWORK TO BE FINALIZED AND REVIEWED BY ARCHITECT AND OWNER

6 CONCOURSE ENTRY DESIGN INTENT
1/4" = 1'-0"

FLOOR FINISH LEGEND:

CARPET:

- **C-01** WALK-OFF CARPET
- **C-02** CARPET INLAY
- **C-03** CARPET TILE

METAL:

- **MTL-01** METAL TRANSITION STRIP - 1/8"
- **MTL-02** METAL TRANSITION STRIP - 1/4"
- **MTL-03** METAL INLAY

STONE:

- **MARBLE PATTERN:** ST-01, 02, 03 04 - REFER TO SHEET ID5.00 FOR PATTERN AND ADDITIONAL INFORMATION
- **ST-01** MARBLE STONE TILE - WHITE
- **ST-02** MARBLE STONE TILE - BURGUNDY
- **ST-01** MARBLE STONE TILE - WHITE
- **ST-02** MARBLE STONE TILE - BURGUNDY

TERRAZZO:

- **TZ-01** POURED EPOXY TERRAZZO - CREAM
- **TZ-02** POURED EPOXY TERRAZZO - TAUPE
- **TZ-03** POURED EPOXY TERRAZZO - GRAY
- **TZ-04** POURED EPOXY TERRAZZO - BLACK
- **TZ-05** POURED EPOXY TERRAZZO - GREEN
- **TZ-06** POURED EPOXY TERRAZZO - BURGUNDY

GENERAL:

- **NOT IN SCOPE**

GENERAL NOTES:

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CLIENT

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T. F. Green International Airport

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ARCHITECT

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PROJECT INFO

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CONTRACT NO. 35219

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

SK DATE/REF:

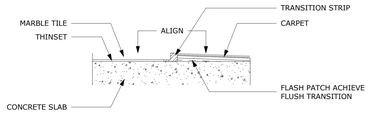
SHEET TITLE

DETAILS

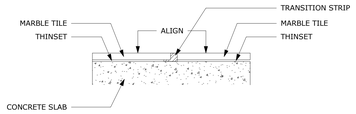
DRAWING NO.

ID5.01

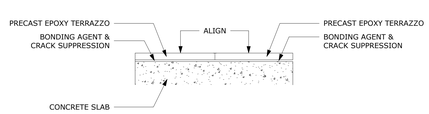
PLOT CREATED:9/6/2024 5:23:24 PM



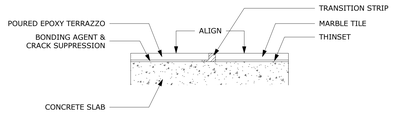
6 FLOOR TRANSITION DETAIL - MARBLE TO CARPET
3" = 1'-0"



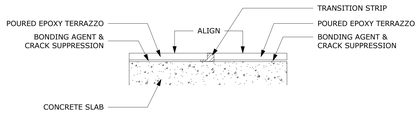
7 FLOOR TRANSITION DETAIL - MARBLE TO MARBLE
3" = 1'-0"



8 FLOOR TRANSITION DETAIL - PRECAST TERRAZZO TO TERRAZZO
3" = 1'-0"



9 FLOOR TRANSITION DETAIL - TERRAZZO TO MARBLE
3" = 1'-0"



10 FLOOR TRANSITION DETAIL - TERRAZZO TO TERRAZZO
3" = 1'-0"

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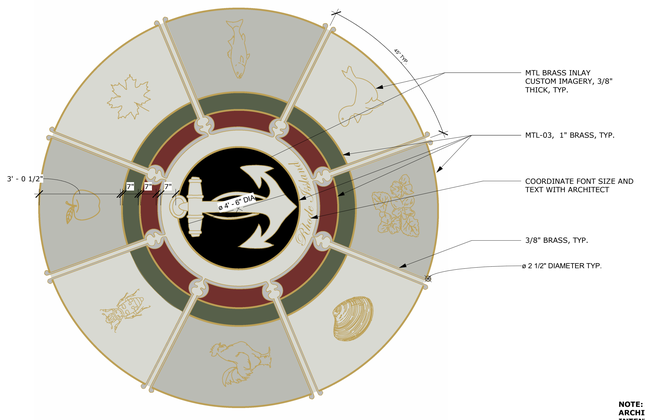
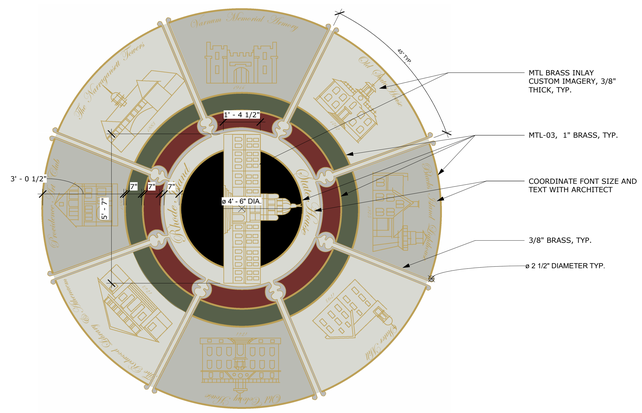
1. ALL DECORATIVE BRASS INLAY WORK BEING SHOWN IS FOR DESIGN INTENT ONLY. SPECIFICS OF ARTWORK, FONT SELECTIONS, ETC. SHALL BE REVIEWED IN DETAIL WITH THE OWNER & ARCHITECT/DESIGNER.





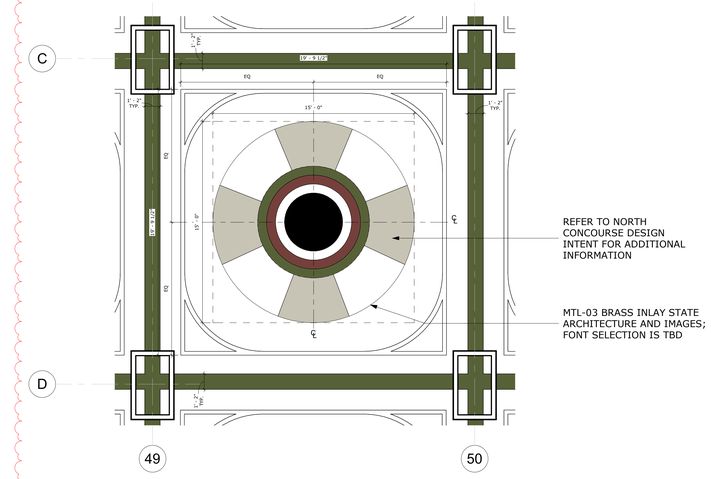
NOTE: COORDINATE WITH ARCHITECT TO OBTAIN DESIGN INTENT AS SHOWN IN CAD FORMAT. SUBMIT SHOP DRAWINGS & MATERIAL SAMPLES FOR APPROVAL.

5 NORTH + SOUTH CONCOURSE END CAP DESIGN INTENT
1/2" = 1'-0"

3

CONTRACTOR TO DIMENSION MOCKUP OF TYP. PATTERN BAY FOR APPROVAL

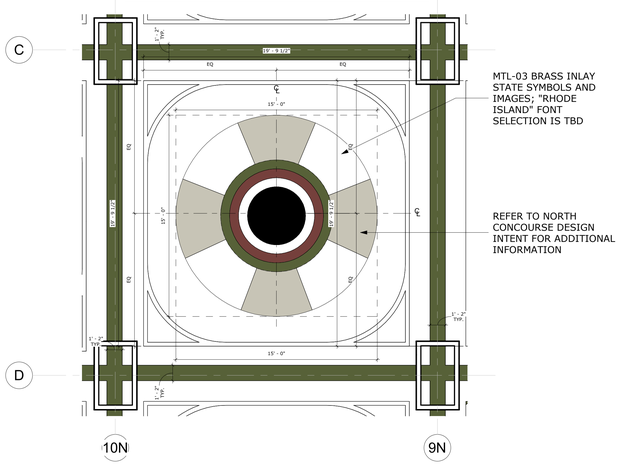
ARCHITECT SHALL PROVIDE HIGH RESOLUTION GRAPHIC FOR CONTRACTOR USE



2 02 - ENLARGED SOUTH CONCOURSE END CAP
1/4" = 1'-0"

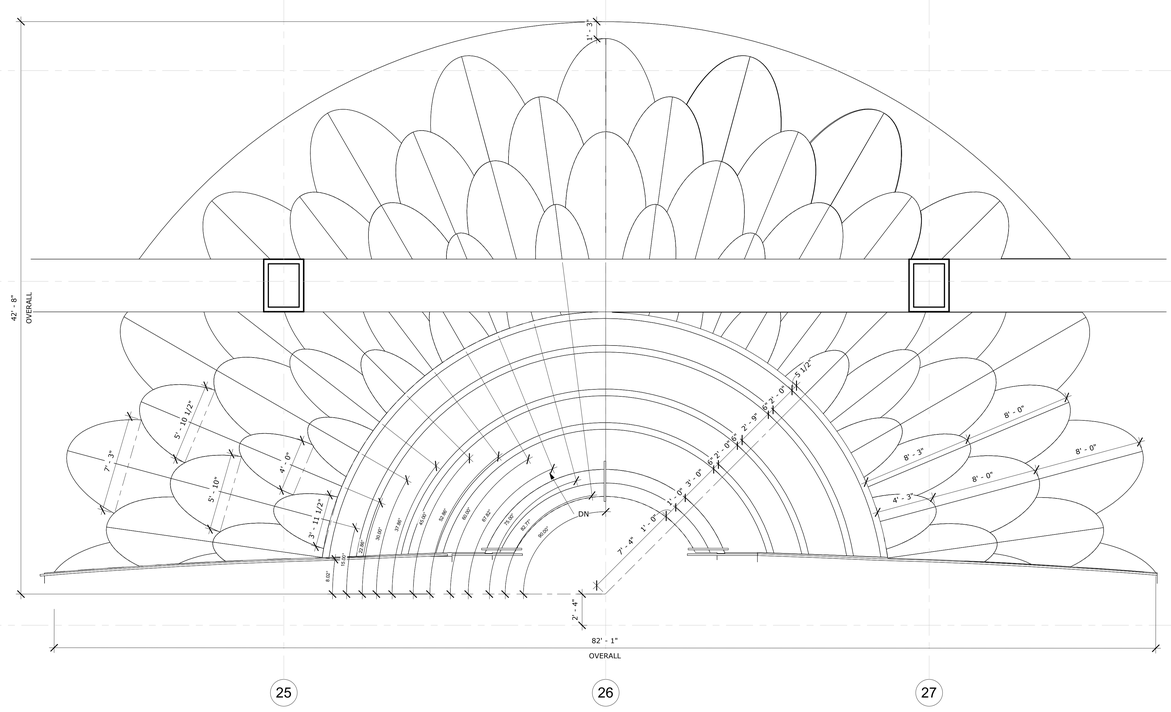
CONTRACTOR TO DIMENSION MOCKUP OF TYP. PATTERN BAY FOR APPROVAL

ARCHITECT SHALL PROVIDE HIGH RESOLUTION GRAPHIC FOR CONTRACTOR USE



1 02 - ENLARGED NORTH CONCOURSE END CAP
1/4" = 1'-0"

3



3 INDEPENDENT MAN ENGLARGED DETAIL
1/4" = 1'-0"

FLOOR FINISH LEGEND:

CARPET:

- **C-01** WALK-OFF CARPET
- **C-02** CARPET INLAY
- **C-03** CARPET TILE

METAL:

- **MTL-01** METAL TRANSITION STRIP - 1/8"
- **MTL-02** METAL TRANSITION STRIP - 1/4"
- **MTL-03** METAL INLAY

STONE:

- **MARBLE PATTERN:** ST-01, 02, 03 04 - REFER TO SHEET ID5.00 FOR PATTERN AND ADDITIONAL INFORMATION
- **ST-01** MARBLE STONE TILE - WHITE
- **ST-02** MARBLE STONE TILE - BURGUNDY
- **ST-01** MARBLE STONE TILE - WHITE
- **ST-02** MARBLE STONE TILE - BURGUNDY

TERRAZZO:

- **TZ-01** POURED EPOXY TERRAZZO - CREAM
- **TZ-02** POURED EPOXY TERRAZZO - TAUPE
- **TZ-03** POURED EPOXY TERRAZZO - GRAY
- **TZ-04** POURED EPOXY TERRAZZO - BLACK
- **TZ-05** POURED EPOXY TERRAZZO - GREEN
- **TZ-06** POURED EPOXY TERRAZZO - BURGUNDY

GENERAL:

- **NOT IN SCOPE**

PLOT CREATED:9/6/2024 5:23:27 PM

CLIENT

Rhode Island
T. F. Green International Airport

RHODE ISLAND AIRPORT CORPORATION

2000 POST RD.
WARWICK, RI 02886
+1.401.691.2000

ARCHITECT

ZDS

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1405 RHODE ISLAND AVE. NW
WASHINGTON, DC 20005
+1.202.660.0555

PROJECT INFO

TRUE NORTH:

PROJECT NAME

RHODE ISLAND T.F. GREEN INTERNATIONAL AIRPORT

CONTRACT NO. 35219

2000 POST ROAD WARWICK, RI 02886

ZDS PROJECT NO. 24017

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

SK DATE/REF:

SHEET TITLE

DETAILS

DRAWING NO.

ID5.02

FLOORING:

MARK	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	FINISH/SIZE	LOCATION	COMMENTS	CONTACT
C-01	WALK OFF CARPET	MATTER SURFACES	NUWAY DESIGN	TBD	7/16" THICK; CLOSED	ENTRY VESTIBULES	SHALLOW RECESSED INSTALL	LARRY HOOPER; 410.507.1113; LARRY@DIVISION9ASSOCIATES.COM
C-02	CARPET INLAY	ZENITH RUGS	CUSTOM 100% WOOL RUG, PECESSED/ INLAID INSTALLATION. PRODUCT/CAD# ZRPR-5007A	REFER TO DRAWINGS	REFER TO DRAWINGS	BOARDROOM	CUSTOM HAND TUFFTED; ONBET (EDGE BOUND); ADA COMPLIANT EDGES. SUBMIT PRODUCT INFORMATION, SEAMING DIAGRAMS, AND (2) 42"X42" PHYSICAL STRIKEOFFS TO ARCHITECT FOR APPROVAL	ILYSE LEVY; 310.268.8230; ILYSE@ZENITHRUGS.COM
C-03	CARPET TILE	MATTER SURFACES	BERBER	SPRUCE	ROLL SIZES AVAILABLE: 6' 7" x 82', 13' 2" x 82'	SECURITY		LARRY HOOPER; 410.507.1113; LARRY@DIVISION9ASSOCIATES.COM
C-04	CUSTOM CARPET RUNNER	BRINK & CHAPMAN VIA MORRIS & CO / SANDERSON DESIGN GROUP	CUSTOM CARPET RUNNER; PATTERN: BIRD RUG; 100% WOOL W/ EDGE BINDING	TUMP GREEN	SEE DRAWING DETAILS	SEE DRAWINGS	SEE TECHNICAL SPECIFICATIONS FOR DETAILED INFO TO INCLUDE PILE HEIGHT, BINDING, BACKING, ETC.	LIA PHIPPS: LIA@HINESCOMPANY.COM; 202-841-8200 NOTE: HINES AND COMPANY IS THE US REPRESENTATITIVE FOR BRINK & CHAPMAN VIA MORRIS CO/SANDERSON DESIGN GROUP
ST-01	MARBLE - WHITE	ARTISTIC TILE	BRECCIA CAPRAIA MARBLE	BRECCIA CAPRAIA	3/8" THICK; CUT TO ORDER; POLISHED	BAGGAGE CLAIM; TICKETING		DAVID ARABE; 301.251.3540; DAVIDA@ARCHITESSA.COM
ST-02	MARBLE - BURGUNDY	ARTISTIC TILE	BRECCIA VINO MARBLE	BRECCIA VINO	3/8" THICK; CUT TO ORDER; POLISHED	BAGGAGE CLAIM; TICKETING		DAVID ARABE; 301.251.3540; DAVIDA@ARCHITESSA.COM
ST-03	MARBLE - BLACK	ARTISTIC TILE	SILVER WAVE MARBLE	SILVER WAVE	3/8" THICK; CUT TO ORDER; BRUSHED	BAGGAGE CLAIM; TICKETING		DAVID ARABE; 301.251.3540; DAVIDA@ARCHITESSA.COM
ST-04	MARBLE - GREEN	AKDO	MB1088-1224H1	MOSS GREEN	1/2" THICK; CUT TO ORDER	BAGGAGE CLAIM; TICKETING		DAVID ARABE; 301.251.3540; DAVIDA@ARCHITESSA.COM
TZ-01	POURED EPOXY TERRAZZO - CREAM	TERRAZZO AND MARBLE SUPPLY, CO.	TERROXY RESIN SYSTEMS	TM#24-1339	THICKNESS: 5/8"	THROUGHOUT	FIELD COLOR WITH ACCENT FEATURE STRIPS	BETHANY FISCHER; 410.790.5315; BETHANY @PPSIMD.COM
TZ-02	POURED EPOXY TERRAZZO - TAUPE	TERRAZZO AND MARBLE SUPPLY, CO.	TERROXY RESIN SYSTEMS	TM#24-1689	THICKNESS: 5/8"	NORTH CONCOURSE, SOUTH CONCOURSE, POST-SECURITY ART	ACCENT COLOR WITH ACCENT FEATURE STRIPS	BETHANY FISCHER; 410.790.5315; BETHANY @PPSIMD.COM
TZ-03	POURED EPOXY TERRAZZO - GRAY	TERRAZZO AND MARBLE SUPPLY, CO.	TERROXY RESIN SYSTEMS	TM#24-1337	THICKNESS: 5/8"	THROUGHOUT	ACCENT COLOR WITH ACCENT FEATURE STRIPS	BETHANY FISCHER; 410.790.5315; BETHANY @PPSIMD.COM
TZ-04	POURED EPOXY TERRAZZO - BLACK	TERRAZZO AND MARBLE SUPPLY, CO.	TERROXY RESIN SYSTEMS	TM#24-1338	THICKNESS: 5/8"	BAGGAGE CLAIM; TICKETING	ACCENT COLOR WITH ACCENT FEATURE STRIPS	BETHANY FISCHER; 410.790.5315; BETHANY @PPSIMD.COM
TZ-05	POURED EPOXY TERRAZZO - GREEN	TERRAZZO AND MARBLE SUPPLY, CO.	TERROXY RESIN SYSTEMS	TM-24-1336V	THICKNESS: 5/8"	THROUGHOUT	ACCENT COLOR WITH ACCENT FEATURE STRIPS	BETHANY FISCHER; 410.790.5315; BETHANY @PPSIMD.COM
TZ-06	POURED EPOXY TERRAZZO - BURGUNDY	TERRAZZO AND MARBLE SUPPLY, CO.	TERROXY RESIN SYSTEMS	TM-24-1071V	THICKNESS: 5/8"	THROUGHOUT	ACCENT COLOR WITH ACCENT FEATURE STRIPS	BETHANY FISCHER; 410.790.5315; BETHANY @PPSIMD.COM

METAL:

MARK	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	FINISH/SIZE	LOCATION	COMMENTS	CONTACT
MB-01	METAL LAMINATE BASE	CHEMETAL	900 SERIES - ANODIZED ALUMINUM	912	SATIN BRONZE ALUMINUM; 0.25" THICK (METAL ONLY)	BUILT-IN TERRAZZO BENCHES	SHEET SIZES AVAILABLE: 4'x6' AND 4'x10'	MIKE MOORHOUSE; 410.242.7398; MIKE@ISAARCHITECTURAL.COM
MTL-01	SOLID BRASS TRANSITION STRIP	TERRAZZO AND MARBLE SUPPLY, CO.	TERROXY BRASS STRIP	BRASS	1/8" THICK	THROUGHOUT; GRID PATTERN (TYP.); SHOWN IN BLACK	REFER TO ENLARGED FLOOR FINISH TRANSITION PLANS FOR MORE INFO	BETHANY FISCHER; 410.790.5315; BETHANY @PPSIMD.COM
MTL-02	SOLID BRASS TRANSITION STRIP	TERRAZZO AND MARBLE SUPPLY, CO.	TERROXY BRASS STRIP	BRASS	1/4" THICK	THROUGHOUT; DECORATIVE ACCENTS (TYP.); SHOWN IN RED	REFER TO ENLARGED FLOOR FINISH TRANSITION PLANS FOR MORE INFO	BETHANY FISCHER; 410.790.5315; BETHANY @PPSIMD.COM
MTL-03	SOLID BRASS INLAY	TERRAZZO AND MARBLE SUPPLY, CO.	TERROXY BRASS INLAY	BRASS	VARIES; REFER TO FLOOR FINISH PLANS	DECORATIVE IN-LAYS THROUGHOUT	REFER TO ENLARGED FLOOR FINISH PLANS FOR MORE INFO	BETHANY FISCHER; 410.790.5315; BETHANY @PPSIMD.COM
MTL-04	SOLID BRONZE	BY GC	SOLID BRONZE METAL	MATCH MB-01	SATIN FINISH; REFER TO DRAWINGS FOR SIZE REQUIREMENTS.	REFER TO DRAWINGS		
MTL-05	SOLID BRASS CARPET ROD/ W CUSTOM FINIALS	BY GC	SOLID BRASS CARPET ROD/ W CUSTOM FINIALS	SOLID BRASS, ANTIQUED FINISH	REFER TO DRAWINGS FOR SIZE REQUIREMENTS	REFER TO DRAWINGS	REFER TO DRAWINGS FOR BASIS OF DESIGN	

PAINT:

MARK	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	FINISH/SIZE	LOCATION	COMMENTS	CONTACT
P-01	PAINT	BENJAMIN MOORE	TBD	OC-17; WHITE DOVE	FLAT	ALL TEMPORARY PARTITIONS & COLUMN WRAPS	LOW VOC	JAMES BRICE; 804.300.8615; JAMES.BRICE@BENJAMINMOORE.COM
P-02	PAINT	BENJAMIN MOORE	MATCH EXISTING	MATCH EXISTING	FLAT	AT CEILING TO MATCH EXISTING WHEN PATCHING OR REPARING NEW COLOR WRAPS.	LOW VOC	JAMES BRICE; 804.300.8615; JAMES.BRICE@BENJAMINMOORE.COM
P-03	PAINT	BENJAMIN MOORE	MATCH EXISTING	MATCH EXISTING	FLAT	AT WALLS TO MATCH EXISTING FOR WHEN PATCHING AND REPAIRING	LOW VOC	JAMES BRICE; 804.300.8615; JAMES.BRICE@BENJAMINMOORE.COM

WALL BASE:

MARK	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	FINISH/SIZE	LOCATION	COMMENTS	CONTACT
RB-01	RUBBER WALL BASE	JOHNSONITE	TOE TRADITIONAL VINYL	TB1	PEPPERCORN; 6"H X 1/8" THICK	ALL TEMPORARY PARTITIONS & COLUMN WRAPS	TO BE REVIEWED WITH OWNER AND ARCHITECT	RICH PADGETT; 757.810.8893; RICHARD PADGETT@TARKETT.COM

WALL PROTECTION:

MARK	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	FINISH/SIZE	LOCATION	COMMENTS	CONTACT
CG-01	CORNERGUARD	INPRO CORP.	130 HIGH IMPACT CORNER GUARD	0387	PEBBLE GREY; 9H; 3" WING	ALL TEMPORARY PARTITIONS & COLUMN WRAPS	TO BE REVIEWED WITH OWNER AND ARCHITECT	JANINE HILDEBRANDT: 908.229.6197; JHILDEBRANDT@INPROCORP.COM

CLIENT

Rhode Island
T. F. Green International Airport

RHODE ISLAND AIRPORT CORPORATION

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WASHINGTON, DC 20005
+1.202.660.0555

PROJECT INFO

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PROJECT NAME

RHODE ISLAND T.F. GREEN INTERNATIONAL AIRPORT

CONTRACT NO. 35219

2000 POST ROAD WARWICK, RI 02886

ZDS PROJECT NO. 24017

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REVISIONS

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

SK DATE/REF:

SHEET TITLE

HARD FINISH SCHEDULE

DRAWING NO.

ID6.00

PLOT CREATED:9/6/2024 5:23:30 PM

Addendum #3

Project:	Rhode Island T.F. Green International Airport Hard Flooring Renovations, RIAC Contract #35219
Date:	September 6, 2024
Re:	Addendum #3

The attention of prospective bidders submitting proposals for **Rhode Island T.F. Green International Airport Hard Flooring Renovations (RIAC Contract #35219)** is called to this addendum to the contract documents (Project Manual and/or Drawing Set for Bid) dated July 12, 2025.

The items set forth herein, whether of revision, omission, addition, substitution, or clarification are all to be included as part of the Contract Documents. The addendum modifies the project manual and/or drawings as indicated.

Portions of the Contract Documents not altered by this addendum shall remain in full force. The number of the addendum must be entered in the appropriate spaces on the required bid form to acknowledge receipt of the said addendum. Failure to acknowledge the said addendum could subject the bidder to disqualification.

It shall be the responsibility of each general bidder to notify all subcontractors and suppliers they propose to use for various parts of the work for any changes or modifications contained in this addendum. No claim for additional compensation because of lack of knowledge of the addendum will be considered.

Part 1 – Request for Information

See attached document.

Part 2 – Drawing Set

Item #	Drawing #	Description	Drawing Issued
	C1	**Added** note 3 under C: Measurements & Dimensions	Yes
		Revised construction type to "1A No Change"	
		Added Addendum column to Index of Drawings	
	ID1.00	**Added** Demo notes	Yes
		Revised north arrow	
		Added "vestibule" room tag on Drawing 3	
	ID1.01	**Added** demo notes 22-24	Yes
		Revised demo note 2	
		Added Keynote 19	
		Revised Keynote 7, 13, 14, 16	
		Added "EJ" for existing expansion joints	
		Added "DN" at sloped walkways	
		Revised concourse exits to be demo'ed	
		Added Keynote 15 to existing escalator grilles	
		Added Drawing 4, Mezzanine – Existing Floor Plan	

		Added existing floor power outlets	
	ID1.02	**Removed** any "legally" references from notes	Yes
		Revised demo note 2	
		Added demo notes 22-24	
		Added Keynote 19	
		Revised Keynote 7, 13, 14, 16	
		Added existing floor power outlets	
		Revised demo in boardroom	
		Added drawing 4, CMU Column Demo Detail	
		Revised column demo at concourse entry	
		Revised selective demo at security down to concourse	
		Revised demolition of columns at ticketing and baggage	
		Revised demo at baggage	
		Revised trenching at baggage	
	ID1.10	**Added** note 3	Yes
		Revised phase D and L at ticketing	
		Revised Phase E	
	ID1.11	**Removed** plan notes 6, 7, 8	Yes
		Added plan note 14	
		Removed "DEMOLISH" from plan legend	
	ID1.12	**Removed** plan notes 6, 7, 8	Yes
		Added plan note 14	
		Revised phase D and L at ticketing	
		Revised phase E at concourse	
	ID1.20	**Revised** flooring design	Yes
	ID1.21	**Revised** floor pattern	Yes
		Added dimensions to vestibules & floor pattern updates	
		Removed align partition note on plan 2	
		Revised plan note 14	
		Added plan note 22	
		Revised keynote 7	
		Added Keynotes 8, 9	
		Added C-04 & MTL-05	
		Added trenching at baggage	
	ID1.22	**Added** dimensions to floor pattern update	Yes
		Added direction tag to sloped walkway	
		Added drawings 3, 4, 5 to sheet	
	ID1.23	**Revised** floor pattern	Yes
		Added stair and ramp reference note on plan 1	
		Added enlarged stair plans 3 and 4	
		Added typical dimensions to terrazzo floor pattern	
		Added C-04 and MTL-05 to finish floor legend	
		Added drawings 3, 4 to sheet	
		Revised potential mockup location	
		Added note indicating floor design runs parallel to existing wall	
		Revised flooring at "Out of Scope" area to project 1ft from face of columns	
	ID1.24	**Revised** floor pattern	Yes

		Added typical dimensions to terrazzo floor pattern	
	ID1.25	**Revised** floor pattern	Yes
		Added typical dimensions to terrazzo floor pattern	
	ID1.26	**Added** plan note regarding demolished controls on drawing 4	Yes
		Added drawing 1 Enlarged RCP Boardroom Reception	
		Revised floor pattern & dimensions	
		Removed "align" text note	
	ID1.30	**Added** note 2 to Power/Data notes	Yes
	ID1.31	**Added** existing floor power outlets	Yes
		Revised new floor power outlet locations	
		Revised new and existing floor power outlet symbol	
	ID1.32	**Added** existing & new floor power outlets to the boardroom	Yes
		Added new floor power outlets in baggage claim & ticketing	
	ID5.00	**Revised** note on detail 7	Yes
		Revised detail 8, 9, 10	
		Added manufacturer's terrazzo joint details	
		Added detail 1, 6, 11	
		Removed drawing 6 floor pattern floor and legend	
	ID5.01	**Revised** all notes regarding size and font to "Final font style Elephant-Regular"	Yes
		Revised Out-of-scope area around feathers	
		Revised Brass inlay designs	
		Revised dimensions	
	ID5.02	**Revised** floor pattern on drawings 1 and 2	Yes
		Added typical mock-up note on drawing 1 and 2	
		Added note language in reference to font and style of metal inlays	
		Added floor transition details	
		Added drawing 3	
	ID6.00	**Revised** information on C-02, ST-04, MB-01, MTL-01, MTL-02, MTL-03	Yes
		Added C-04, MTL-04, MTL-05, P-02, P-03	

Part 3 – Project Manual

Item #	Section #	Description	Section Issued
3.1	00003	**Revised** to include additional sections	Yes
3.2	00010	**Revised** to include updated dates and deadlines	Yes
3.3	00320	**Revised** to include updated dates and deadlines	Yes
3.4	FAA General Contract Provisions	**Revised** Section 80-07 – Contract Time	Yes
3.5	05 51 13	**Added** in its entirety	Yes
3.6	07 84 13	**Added** in its entirety	Yes
3.7	07 92 00	**Added** in its entirety	Yes
3.8	08 31 23	**Added** in its entirety	Yes
3.9	09 05 61	**Added** in its entirety	Yes

3.10	09 66 13	**Revised** to be **Section 096623 Resinous Matrix Terrazzo Flooring**	Yes
3.11	09 68 16	**Revised** in its entirety	Yes
3.12	23 37 13	**Added** in its entirety	Yes
3.13	26 27 26	**Added** in its entirety	Yes

Part 4 – Attachements

Part 1 RFI Responses

Part 2 Drawings

C1 COVER & GENERAL

ID1.00 EXISTING/DEMO FLOOR PLANS - OVERALL
ID1.01 EXISTING/DEMO FLOOR PLANS - ENLARGED
ID1.02 EXISTING/DEMO FLOOR PLANS - ENLARGED

ID1.10 PRELIMINARY PHASING FLOOR PLANS - OVERALL
ID1.11 PRELIMINARY PHASING FLOOR PLANS - ENLARGED
ID1.12 PRELIMINARY PHASING FLOOR PLANS - ENLARGED

ID1.20 FINISH FLOOR PLANS - OVERALL
ID1.21 FINISH FLOOR PLANS - ENLARGED
ID1.22 FINISH FLOOR PLANS - ENLARGED
ID1.23 FINISH FLOOR PLANS - ENLARGED
ID1.24 FINISH FLOOR PLANS - ENLARGED
ID1.25 FINISH FLOOR PLANS - ENLARGED
ID1.26 FINISH FLOOR PLANS - ENLARGED

ID1.30 POWER/DATA PLANS - OVERALL
ID1.31 POWER/DATA PLANS - ENLARGED
ID1.32 POWER/DATA PLANS - ENLARGED

ID5.00 DETAILS
ID5.01 DETAILS
ID5.02 DETAILS

ID6.00 HARD FINISH SCHEDULE

Part 3 00003 – Table of Contents
00010 – Advertisement
00320 – Bid Form
FAA General Contract Provisions
055123 – Metal Pan Stair
078413 – Penetration Firestopping
079200 – Joint Sealants
083123 – Floor Doors

090561 – Common Work Results for Flooring Preparation
096623 – Resinous Matrix Terrazzo Flooring
096816 – Sheet Carpeting
233713 – Registers, Grilles, and Diffusers
262726 - Recessed Outlets Poke Thru Devices

End of Addendum #1

Rhode Island
Airport Corporation

RIAC would like to remind all prospective bidders/offerors that additional Addendums may be issued by RIAC until the deadline for bid submissions. As such, RIAC encourages prospective bidders/offerors to visit www.flyri.com/riac/procurement on a frequent basis.

####END OF ADDENDUM###