NOTICE OF REGULAR MEETING OF THE CITY COUNCIL OF THE CITY OF ST. GEORGE, WASHINGTON COUNTY, UTAH

Public Notice

Public notice is hereby given that the City Council of the City of St. George, Washington County, Utah, will hold a regular meeting in the **Conference Room at the Dixie Power Administration Building at 145 West Brigham Road, St. George, Utah, on Thursday, February 15, 2024, commencing at 8:00 a.m**.

The agenda for the meeting is as follows:

Call to Order
Invocation
Flag Salute

1. Consent Calendar.

a. Consider approval of an amendment to the Construction Management/General Contractor (CMGC) contract with Big-D Construction for City Hall construction materials package.

BACKGROUND and RECOMMENDATION: On December 14, 2023 the City Council approved all structural steel packages for City Hall and the Parking Garage. This final package with Big-D Construction includes all remaining construction materials required to complete City Hall per the CMGC contract. Staff recommends approval.

b. Consider approval of a Material Purchase Agreement with Galvanizers, Inc to provide steel structures for the Green Valley Substation Ring Bus.

BACKGROUND and RECOMMENDATION: The Green Valley ring bus represents a significant step forward in staff's ongoing efforts to enhance energy system reliability on the City's 138 KV system. Galvanizers provided the steel for phase I and prepared all the shop drawings for the entire project. Staff recommends approval.

c. Consider approval to award bid to Big D Construction, Inc. for the Renovation of the Airport Terminal project.

BACKGROUND and RECOMMENDATION: The project Public Notice was posted on the City Website. The pre-Bid Meeting was held on January 5, 2024 and there were eight (8) contractors present. Five (5) bids were received and opened on February 2, 2024. Big D Construction was the low bidder amongst the eligible parties. Big D construction's proposed schedule for the Terminal Renovation Project is acceptable and in line with the contract documents of 140 working days. Staff recommends approval.

2. Adjourn and reconvene in a Work Meeting of the City Council.

**** THE COUNCIL WILL REMAIN IN THE DIXIE POWER CONFERENCE ROOM FOR THE CITY COUNCIL WORK MEETING****

NOTICE OF WORK MEETING OF THE CITY COUNCIL OF THE CITY OF ST. GEORGE, WASHINGTON COUNTY, UTAH

Public Notice

Public notice is hereby given that the City Council of the City of St. George, Washington County, Utah, will hold a regular meeting in the **Conference Room at the Dixie Power Administration Building at 145 West Brigham Road, St. George, Utah, on Thursday, February 15, 2024, commencing at approximately 8:00 a.m.**

The agenda for the meeting is as follows:

1. **Discussion regarding the Fiscal Year 2024-2025 Budget.**
2. **Reports and updates from the Mayor, Councilmembers, and City Manager.**
3. **Request a closed session to discuss litigation, security, property acquisition or sale or the character and professional competence or physical or mental health of an individual.**

Christina Fernandez, City Recorder

February 9, 2024
Date

REASONABLE ACCOMMODATION: The City of St. George will make efforts to provide reasonable accommodations to disabled members of the public in accessing City programs. Please contact the City Human Resources Office, 627-4674, at least 24 hours in advance if you have special needs.

Agenda Date: 02/15/2024 **Agenda Item Number:** 1a

Subject:

Consider approval of an amendment to the Construction Management/General Contractor (CMGC) contract with Big-D Construction for City Hall construction materials package.

Item at-a-glance:

Staff Contact: Marc Mortensen

Applicant Name: Marc Mortensen

Reference Number: N/A

Address/Location:

61 South Main Street

Item History (background/project status/public process):

On December 14, 2023 the City Council approved all structural steel packages for City Hall and the Parking Garage. This final package with Big-D Construction includes all remaining construction materials required to complete City Hall per the CMGC contract.

Staff Narrative (need/purpose):

90 bids were submitted to Big -D for materials ranging from HVAC, mechanical, glass, drywall, electrical, paint, stone veneer, roofing, etc... in order to complete City Hall. Most bids came in under the July 2023 estimate of $24,432,424. This package also includes allowances for several unforeseen items like weather, site security, surveying etc... which could be a savings to the City if unspent partially spent. Please see attached summary of bids and subcontractors.

Name of Legal Dept approver: Ryan Dooley

Budget Impact:

Cost for the agenda item: $22,637,111

Amount approved in current FY budget for item: $24,432,424

If not approved in current FY budget or exceeds the budgeted amount, please explain funding source:

N/A

Description of funding source:

Capital Project Fund, ARPA funds, enterprise funds and sales tax bond proceeds

Recommendation (Include any conditions):

Staff recommends approval

St. George City Hall - Bid Pkg. #4
St. George City Hall - Bid Pkg. #4
BLDG SF: 75,902 SF

CODE	DESCRIPTION	BASE BID	SUB / SUPPLIER	# OF BIDS
10000	**DIVISION 01 - GENERAL REQUIREMENTS**	**1,532,539**		
10000	General Requirements	1,325,439	Estimated Scope	1
10003	Weather Conditions - Allowance	100,000	Estimated Scope	
11000	Site Security - Allowance	107,100	Estimated Scope	
20000	**DIVISION 02 - EXISTING CONDITIONS**	**63,335**		
22100	Surveying/General Layout	63,335	Estimated Scope	
30000	**DIVISION 03 - CONCRETE**	**119,860**		
33000	Cast-In-Place Concrete	26,210	Estimated Scope	
33361	Stabilized Rammed Earth Walls - Council Dais	93,650	Earthwall Builders	1
40000	**DIVISION 04 - MASONRY**	**1,153,874**		
44313	Stone Veneer Masonry	1,153,874	BA Robinson	3
50000	**DIVISION 05 - METALS**	**690,326**		
51200	Structural Steel Framing/Decorative Handrails	690,326	Lundahl	2
60000	**DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES**	**841,977**		
61000	Rough Carpentry -Allowance	144,859	Estimated Scope	
64000	Architectural Woodwork	697,118	Riverwoods Mill	4
70000	**DIVISION 07 - THERMAL & MOISTURE PROTECTION**	**2,284,464**		
71400	Fluid-Applied Waterproofing	33,450	Waterproofing West	3
72100	Thermal Insulation & Firestopping	318,530	USI - Superior	4
72500	Weather Barriers - Allowance	189,500	Estimated Scope	2
74213	Metal Wall Panels	1,131,409	FLYNN	4
75300	Membrane Roofing	510,825	Stout Roofing	3
79200	Joint Sealants	69,900	Waterproofing West	1
79500	Expansion Control - Allowance	30,850	Estimated Scope	
80000	**DIVISION 08 - OPENINGS**	**2,786,419**		
81000	Doors, Frames & Hardware	320,861	ABS	5
84313	Alum. Framed Storefronts/Glass/Glazing/Sunshades	2,465,558	FLYNN	4
90000	**DIVISION 09 - FINISHES**	**3,219,143**		
92116	Gypsum Board Assemblies	1,901,098	B&S Drywall	4
93000	Tiling	188,994	Henriksen Butler - St. Ge	4
95100	Acoustical Ceilings	429,234	B&S Drywall	5
96500	Flooring - Resilient, Carpet, Athletic	399,896	Wall 2 Wall	3
99100	Painting & Wallcoverings	299,921	Accent Painting	6
100000	**DIVISION 10 - SPECIALTIES**	**650,224**		
100000	Specialties	134,830	Beacon - Rex Williams	3
101400	Signage	53,116	Star Sign	3
102239	Folding Panel Partitions	194,934	Alder's	2
108200	Fire/Smoke Curtain at Atrium - Level 2	267,344	Alder's	1
110000	**DIVISION 11 - EQUIPMENT**	**18,000**		
113100	Residential Appliances - Allowance	18,000	Estimated Scope	
120000	**DIVISION 12 - FURNISHINGS**	**57,101**		
122400	Window Shades	57,101	Scottco Blinds	3
140000	**DIVISION 14 - CONVEYING EQUIPMENT**	**276,000**		
142000	Elevators	276,000	OTIS Elevators	3
210000	**DIVISION 21 - FIRE SUPPRESSION**	**565,135**		
210000	Fire Suppression	565,135	Delta Fire	3
220000	**DIVISION 22 - PLUMBING**	**3,670,535**		
220000	Plumbing & HVAC	3,670,535	Paxman Heating & Coolin	10
260000	**DIVISION 26 - ELECTRICAL**	**2,960,178**		
260000	Electrical	2,960,178	Wilkinson Electric	4
320000	**DIVISION 32 - EXTERIOR IMPROVEMENTS**	**82,100**		
320000	Exterior Improvements - Runnel Changes RFI #28	71,406	Sunroc	1
323100	Temporary Fencing	10,694	Estimated Scope	
329000	Landscaping - BY OWNER			
	SUBTOTAL	**20,971,209**		**90**

Insurances, Bond, Contingency, Warranty & Fee	$	1,665,901
Bid Pkg. #4 - TOTAL	**$**	**22,637,111**

Wells Fargo Demo - Bid Pkg. #1	$	481,991
Demo/Site - Bid Pkg. #2	$	1,386,884
Parking Garage - & City Hall Conc. -Bid Pkg. #3	$	13,762,066
City Hall Steel - Bid Pkg. #3a	$	5,122,945
All costs from previous bid pkg's.	**$**	**20,753,886**
City Hall - Bid Pkg. #4	$	22,637,111
Grand Total	**$**	**43,390,997**

Wells Fargo Total:	**$**	**481,991**
Parking Garage Grand Total:	**$**	**10,562,112**
City Hall Grand Total:	**$**	**32,346,894**
Grand Total	**$**	**43,390,997**

Agenda Date: 02/15/2024 **Agenda Item Number:** 1b

Subject:

Consider approval of a Material Purchase Agreement with Galvanizers, Inc to provide steel structures for the Green Valley Substation Ring Bus.

Item at-a-glance:

Staff Contact: Bryan Dial

Applicant Name: City of St. George

Reference Number: N/A

Address/Location:

811 E Red Hills Pkwy

Item History (background/project status/public process):

The Green Valley ring bus represents a significant step forward in staff's ongoing efforts to enhance energy system reliability on the City's 138 KV system. Galvanizers provided the steel for phase I and prepared all the shop drawings for the entire project.

Staff Narrative (need/purpose):

Galvanizers, Inc., who contributed to the initial construction of the Green Valley substation, offers materials that match with our existing equipment. This procurement of steel, alongside concrete will end purchasing for phase II.

Name of Legal Dept approver: Alicia Carlton

Budget Impact:

Cost for the agenda item: $123,970.74

Amount approved in current FY budget for item: $1,200,000

If not approved in current FY budget or exceeds the budgeted amount, please explain funding source:

This is approved in the current budget.

Description of funding source:

This is approved in the current budget.

Recommendation (Include any conditions):

Staff recommends approval.

MATERIALS PURCHASE AGREEMENT

This Materials Purchase Agreement ("Agreement") is made and entered into on _____ by and between the City of St. George ("City"), a Utah municipal corporation, at 175 East 200 North, St. George, Utah 84770 and Galvanizers, Inc. ("Company") at 1202 Seventh Avenue North, West Fargo, ND 58078-0875.

RECITALS

WHEREAS, City desires to purchase materials ("Materials") as described in Exhibit A attached hereto; and

WHEREAS, Company submitted a bid dated December 13, 2023, which outlines the Materials to be purchased and the cost thereof; and

WHEREAS, City selected Company to provide the Materials for the Project.

NOW, THEREFORE, for the consideration hereinafter set forth and in accordance with the conditions and representations contained herein, the parties agree as follows:

AGREEMENT

1. **Recitals.** The foregoing recitals are incorporated herein by reference.

2. **Purchase.** Company hereby sells, conveys and transfers to City all rights, title and interest in and to the Materials which Materials shall comply with the terms of the Bid Documents and/or Specifications which are incorporated as a term of this agreement by this reference.

3. **Purchase Price and Payment.** City shall pay Company a total sum of **one-hundred twenty-three thousand nine-hundred seventy dollars and seventy-four cents ($123,970.74)** for the Materials. City shall pay Company in full within 30 days of delivery of the Materials to City, acceptance of those Materials by the City and receipt of the invoice.

4. **Delivery.** Time is of the essence in the performance of this Agreement. Company will arrange for delivery to City the Materials. Company will deliver the Materials required by the Agreement on or before 40 weeks after drawing approval unless the period for delivery is extended by City. Company shall be solely responsible for the Materials until they are accepted by City. City, upon receiving possession of the Materials, shall have a reasonable opportunity to inspect the Materials to determine if the Materials conform to the requirements of the conditions of this sale. If the City, in good faith, determines that all or a portion of the Materials are non-conforming, the City may return the Materials to the Company at no cost to City. Company is strictly liable for Materials until City accepts delivery of Materials. The Materials shall not be deemed accepted until City deems the Materials conform to the terms and conditions of the sale and the Materials are in good order and condition and City is satisfied with the same. City has the right to cancel the order if the Materials are not delivered on time.
5. **Title to Materials.** Company represents that it owns the Materials free and clear and that

such Materials are free of all liens. Company will defend and indemnify City against a claim that the Materials belong to a third party. Company shall reimburse City all expenses for defending any such claim.

6. **Warranties.** Company warrants all Materials for a one year period in conformity with Exhibit B, attached hereto and incorporated herein The warranty period begins on the date the Materials are accepted by City and continues for the time shown in Exhibit B.

7. **Infringement Indemnity.** Company will defend and indemnify City against a claim that the Materials infringe a copyright or patent. City shall be reimbursed by Company for all expenses for defending any such claim.

8. **Compliance with Applicable Laws.** Company expressly acknowledges and agrees that nothing in this Agreement shall be deemed to relieve Company from any obligation to comply with all applicable requirements of City including the payment of fees and compliance with all other applicable ordinances, resolutions, regulations, policies and procedures of City, except as modified, waived or declared in this Agreement. Company shall comply with all federal, state, and local laws, regulations, and ordinances.

9. **Conflicts.** In the event of a conflict between this Agreement and any other documents with Company, this Agreement shall govern.

10. **No Waiver.** The failure of either Party to enforce any of this Agreement's provisions shall not be construed to be a waiver of the rights of such party to enforce such provisions.

11. **Notices.** All legal-related notices required or permitted to be made by either party in connection with this Agreement shall be in writing and shall be deemed to have been duly given: (a) five (5) business days after the date of mailing if sent by U.S. mail, postage prepaid, or (b) when delivered if delivered personally or sent by express courier service. All notices shall be sent to the other party at its address as set forth below unless written notice is given by either party of a change of address:

City of St. George Attn: City Attorney 175 East 200 North St. George, Utah, 84770	Galvanizers, Inc. Attn: Scott Kenninger 1202 Seventh Avenue North West Fargo, ND 58078-0850

Communications of a technical nature shall be made to:

For the City of St. George - Barbara Berrett, barb.berrett@sgcity.org
For Galvanizers, Inc. – Scott Kenninger, scott@galvanizersinc.com

12. **Governing Law and Venue.** This Agreement shall be construed according to the laws of the State of Utah. The parties agree that venue for all legal actions, unless they involve a cause of action with mandatory federal jurisdiction, shall be the Fifth District Court for the State of Utah. The parties further agree that the Federal District Court for the District of

Utah shall be the venue for any cause of action with mandatory federal jurisdiction. The parties shall have all rights and remedies provided under applicable Federal or State law for a breach or threatened breach of this Agreement. These rights and remedies shall not be mutually exclusive, and the exercise of one or more of these rights and remedies shall not preclude the exercise of any other rights and remedies. Each party agree that damages at law may be an inadequate remedy for a breach or threatened breach of any provision hereof and the respective rights and obligations of the parties hereunder shall be enforceable by specific performance, injunction, or other equitable remedy. Nothing in this Agreement shall be construed to waive the sovereign immunity of the government parties.

13. **Construction.** This Agreement has been reviewed and revised by legal counsel for all the parties and no presumption or rule that ambiguities shall be construed against the drafting party shall apply to the interpretation or enforcement of this Agreement.

14. **Legal Fees.** Should any party default on any of the covenants or agreements contained herein, the defaulting party shall pay all costs and expenses, (excluding reasonable attorney's fees,) which may arise or accrue from enforcing this Agreement or in pursuing any remedy provided hereunder or by applicable law, whether such remedy is pursued by filing a lawsuit or otherwise. This obligation of the defaulting party to pay costs and expenses includes, without limitation, all costs, and expenses, (excluding reasonable attorney's fees) including appeals and bankruptcy proceedings. If either party commences legal action to interpret any term of this agreement, the prevailing party shall be entitled to recover all reasonable fees (excluding attorney's fees), court costs, and any other costs incurred in connection with such action. The parties agree that they shall each pay their own attorney's fees.

15. **Modification Of Agreement.** City specifically reserves the right to modify or amend this Agreement and the total sum due hereunder either by enlarging or restricting the scope of the work. All modifications shall be in writing and executed by both parties.

16. **Assignment.** Neither this Agreement nor any of the provisions, terms or conditions hereof can be assigned, sublet, sold, transferred or otherwise disposed of to any other party, individual or entity without assigning the rights and the responsibilities under this Agreement and without prior written consent of City, which consent shall not be unreasonably withheld.

17. **Binding Effect.** This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, executors, administrators, successors, and assigns, but shall not inure to the benefit of any third party or other person.

18. **No Joint Venture, Partnership or Third Party Rights.** It is not intended by this Agreement to, and nothing contained in this Agreement shall, create any partnership, joint venture, or other arrangement between the parties. No term or provision of this Agreement is intended to or shall, be for the benefit of any person, firm, organization or corporation not a party hereto, and no such other person, firm, organization or corporation shall have any right or cause of action hereunder.

19. **Integration.** This Agreement contains the entire Agreement with respect to the subject matter hereof and integrates all prior conversations, discussions or understanding of whatever kind or nature and supersedes and replaces all terms and conditions of any prior agreements, arrangements, negotiations, or representations, written or oral, with respect to this matter.

20. **Severability.** If any part or provision of this Agreement shall be determined to be unconstitutional, invalid or unenforceable by a court of competent jurisdiction, then such a decision shall not affect any other part or provision of this Agreement except that specific provision determined to be unconstitutional, invalid or unenforceable. If any condition, covenant, or other provision of this Agreement shall be deemed invalid due to its scope or breadth, such provision shall be deemed valid to the extent of the scope or breadth permitted by law.

21. **Survival.** It is expressly agreed that the terms, covenants, and conditions of this Agreement shall survive any legal act or conveyance required under this Agreement.

22. **Headings.** The section and other headings in this Agreement are for reference purposes only and shall not in any way affect the meaning or interpretation of this Agreement.

23. **Counterparts.** This Agreement may be executed in counterparts each of which shall be an original and shall constitute one and the same agreement.

24. **Authority of Parties.** The parties executing this Agreement hereby warrant and represent that they are duly authorized to do so in the capacity stated and that this Agreement constitutes a valid and binding Agreement.

IN WITNESS WHEREOF, the parties have executed this agreement the day and year first above written.

CITY OF ST. GEORGE

_____
Michele Randall, Mayor
ATTEST:

_____
Christina Fernandez, City Recorder

APPROVED AS TO FORM:

_____
Alicia Carlton, Assistant City Attorney

GALVANIZERS, INC.

_____
Cody Shoman, President

DRAFT

PROPOSAL

NAME OF BIDDER: Galvanizers, Inc. DATE: 12/13/2023

TO: Daniel Velarde
Daniel.Velarde@ipeinc.com
801-255-1111

Purchaser: City of St. Geroge
811 Red Hills Parkway
St Geroge, Utah 84770

1. LUMP SUM PRICE: The undersigned bidder hereby proposed to furnish to the project site the substation structures and materials complete in accordance with the contract documents for the firm lump sum price of:

One Hundread Twenty Three Thousand Nine Hundread Seventy dollars and Seventy Four Cents Dollars ($) 123,970.74

(Price in Words)

2. DELIVERY SCHEDULE

Approval Calculations & Drawings	3-4	Weeks ARO
Anchor Bolt Delivery	6-8 Weeks after drawing approval	Weeks ~~ARO~~
Steel Structure Delivery	38-40 Weeks after drawing approval	Weeks ~~ARO~~

3. BID PRICES AND WEIGHTS

a. Substation Equipment Structures

Item No.	Drawing No	Description (STR ID)	Qty	Wt. (lbs. Each)	Total Cost
1.	S1-2	138kV H-Frame Structure - #101	1	8980.2	$23,348.52
2.	S1-5	138kV Three Phase High Bus Support - #106	1	1082.4	$2,814.24
3	S1-5	138kV Voltage Transformer Structure #107	3	213.1	$1,662.18
4	S1-6	138kV Three Phase 45° Low Bus Support #109	2	1286.5	$6,689.80
5	S1-8	138kV Three Phase Low Bus Support #113	3	1050.0	$8,190.00
6	S1-9	138kV H-Frame Beam Replacement #100B	1	1740.0	$4,524.00
7	S1-10	Static Wire Support Structure #114	2	6000.0	$36,000.00
		Anchor Bolts/Bolts/Nuts/Washers	1 lot	4000.0	$14,000.00
		Freight to Site Approximately 964 S Gap Canyon Parkway St. George, Utah	1 LS		$14,742.000
	TOTAL COST	Drawings	$12,000.00		$ 123,970.74

EXHIBIT B

GALVANIZERS, INC.

PHONE (701) 282-3906
FAX (701) 282-8692

HOT DIP GALVANIZING
MECHANICAL GALVANIZING
METAL FABRICATION
SUBSTATION FABRICATION

1202 SEVENTH AVENUE NORTH
BOX 875 • WEST FARGO, ND 58078-0875

Terms & Conditions
Quote/RFQ Exceptions

1. Sales Tax: *Galvanizers, Inc.* has economic nexus requirements as a remote out-of-state seller following the 2018 South Dakota v. Wayfair decision. Economic nexus generally requires out-of-state sellers to register, collect and remit sales tax once they meet a set level of sales or number of transactions within a State. If the delivery location of an order falls within the relevant economic nexus State's Department of Revenue code, the final invoice may include sales & use tax. Quotes issued will not include sales tax, however, sales tax will be charged at the time of invoice, based on applicable delivery address. ANY Customer that claims to be exempt MUST submit the delivery destination State specific Sales Tax Exemption Certificate at time of Order that will be validated to ensure compliance. Any Customer who cannot validate the transaction is exempt will incur sales & use tax based on the applicable law. Certificates must match the Customer/Business being billed; any expired, inaccurate, incomplete, or missing information will void the exemption certificate.
2. Standard: Materials fabricated & galvanized by Galvanizers, Inc. meet applicable ASTM Standards.
3. Warranty: Both Materials and galvanizing are warranted for 1 year against defects in product & workmanship.
4. Dunnage: Dunnage Assessment** Dunnage is necessary to prevent cargo from shifting & to prevent damage to structures being transported to location. Dunnage is provided by transport company, however, if site foreman specifically requests dunnage be left for any reason, there will be an additional charge of $5.50 per board to the final invoice. Final purchase orders should be drafted accordingly. Upon final delivery, the transporting company WILL reload & return all lumber used in the shipment of the goods to its corporate office & no additional fees will be billed. **Subject to Current Lead Time At Time Of Order Placement.

DocuSign Envelope ID: B182B74F-A7B0-45AA-86F4-3226575E06F9

PUR – Purchase Requisition Form

St.George
THE BRIGHTER SIDE

Requestor & Signer Information

Request Date
12/20/2023

Department *
Energy Services

Division *
Electric Distribution

☑ **PO Request** ☐ **BPO Request** ☐ **Request for Payment**
(Invoice Attached)

Requested By: *
TOM BIRRELL

Requestor Email *
TOM.BIRRELL@SGCITY.ORG
12/21/2023
DocuSigned by: TOM BIRRELL E9CCA4641D724F8...

Authorized Signer Name (up to $25,000) *
BRYAN DIAL

Authorized Signer Email *
BRYAN.DIAL@SGCITY.ORG
12/22/2023
DocuSigned by: Bryan Dial A640ED62325F46E...

Department Head Name (required over $25,000)
BRYAN DIAL

Department Head Email
BRYAN.DIAL@SGCITY.ORG
12/23/2023
DocuSigned by: Bryan Dial A640ED62325F46E...

City Manager Name (required when any procurement policies are waived)

City Manager Email

Purchasing Rep. Name
INVOICES

Purchasing Rep. Email
INVOICES@SGCITY.ORG
12/26/2023
DocuSigned by: Mary Wahl 5BE5A39A76F7466...

Procurement Type

Contract Requirements:

☑ This does NOT Require a contract

☐ Contract Drafted by the City's Legal Department

☐ Contract drafted by Vendor; reviewed & approved by City's Legal Department ✓

City Council Approval Date (if applicable): *
01/04/2024 12:00:00 AM
01/18/2024

Is this a Capital Purchase or Capital outlay Item? *
◉ Yes ○ No

Budget Information (Only Required for Capital outlay Items):

Project Title or Location: *
Green Valley Ring Bus

Is the Total Amount Approved in the Budget? *
◉ Yes ○ No

Budgeted Amount: *
$1,200,000.00

Will this item/Service be recieved/Completed before the fiscal year end? *
◉ Yes ○ No ✓

Procurement Type *
SOLE SOURCE / O.E.M ITEM

SHIP TO ADDRESS: *
964 South Gap Canyon Pkwy. St George, Utah

New or Existing Vendor? *
NEW PARTY

DocuSign Envelope ID: B182B74F-A7B0-45AA-86F4-3226575E06F9

Vendor Information

Vendor Name Legal Name
Galvanizers Inc.

DBA Name

Vendor ID

Please provide the legal name of the vendor
Galvanizers Inc.

DBA / Common Name

Address
P.O. Box 875

City
West Fargo

State
ND

Zip Code
58078

Country
USA

Is the Address correct? *
(•) Yes ( ) No

DocuSign Envelope ID: B182B74F-A7B0-45AA-86F4-3226575E06F9

Sole Source

To ensure the fair and equitable treatment and to foster effective broad-based competition, a standard procurement process is followed whenever public funds are expended. Sole source contract awards do not involve a standard procurement process and should only be used when justified after reasonable research has been conducted to determine there are no other available sources that can provide the needed goods or services. Circumstances for which a sole source may be justified include:

a) An item for which there is no comparable product or service, such as a one-of-a-kind item available from only one vendor: or

b) A component or replacement part for which there is no commercially available substitute, and which can be obtained only directly from the manufacturer; O.E.M. or

c) An exclusive maintenance, services, or warranty agreement.

Utah Administrative Code R33-8-101a. See also St. George City Code 1-10-B-5

Date	Requested By:	Department	Vendor
12/20/2023	Tom Birrell	Energy Services	Galvanizers Inc.

Product Description *

Substation Steel structures

Why is the service or product only available from this single supplier? *

Must match existing equipment.

Could the product be reasonably modified to allow for competition? *

○ Yes ◉ No

Detail all research performed to determine there is only one source for this item. Include a list of names and vendors contacted that may provide similar products and a summary of their response. *

Costs associated with engineering new structures is cost prohibitive.

Clear and convincing evidence has been presented to me that this is the sole source vendor for this purchase:

Department Head Signature:

DocuSigned by:
Bryan Dial
A640ED62325F46E...
12/23/2023

DocuSign Envelope ID: B182B74F-A7B0-45AA-86F4-3226575E06F9

Purchase Details

QTY *	Description *	Account Code *	Project Code	Unit Cost *
0	Galvanized Substation Steel Structures and Anchor Bolts	00-5313-7476	5313-7476	$0.00
1	S1-2 101			$23,348.52
1	S1-5 106			$2,814.24
3	S1-2 107			$554.06
2	S1-6 109			$3,344.90
3	S1-8 113			$2,730.00
1	S1-9 100B			$4,524.00
2	S1-10 114			$18,000.00
1	Anchor Bolts			$14,000.00
1	Drawings		QUESTIONABLE	$12,000.00

Comments / Special Instructions:

Freight / Shipping Cost *
$14,742.00

Purchase Total
$123,970.74

If purchase exceeds $5,000, it is expected that a minimum of 3 bids/ quotes be obtained and attached.

Vendor 2 **Quote Amount**

Vendor 3 **Quote Amount**

DocuSign Envelope ID: B182B74F-A7B0-45AA-86F4-3226575E06F9

Vendor W9: (1)

PUR - Vendor W9

PUR - Vendor W9 - 12/20/2023

General Attachments: (3)

Quotes - * You can submit multiple documents with the same button. Please use the correct button for each type of document (Quotes should be uploaded using the Quotes button etc.)

Supporting Documents

PUR - Supporting Document - 12/20/2023

PUR - Supporting Document - 12/20/2023

PUR - Supporting Document - 12/20/2023

PSA / Contract

Purchasing Only

Purchase Request Status	Rejection Reason
Received	

DocuSign Envelope ID: B182B74F-A7B0-45AA-86F4-3226575E06F9

Bid Specification

St. George City
Green Valley Substation Expansion
Steel Structures

December 2023

ICPE
CONSULTING ENGINEERS

Intermountain Consumer
Professional Engineers, Inc.
1145 East South Union Avenue
Midvale, Utah 84047
(801) 255-1111

DocuSign Envelope ID: B182B74F-A7B0-45AA-86F4-3226575E06F9

PROPOSAL

NAME OF BIDDER: Galvanizers, Inc. DATE: 12/13/2023

TO: Daniel Velarde
Daniel.Velarde@icpeinc.com
801-255-1111

Purchaser: City of St. Geroge
811 Red Hills Parkway
St Geroge, Utah 84770

1. LUMP SUM PRICE: The undersigned bidder hereby proposed to furnish to the project site the substation structures and materials complete in accordance with the contract documents for the firm lump sum price of:

One Hundread Twenty Three Thousand Nine Hundread Seventy dollars and Seventy Four Cents (Price in Words) Dollars ($) 123,970.74

2. DELIVERY SCHEDULE

Approval Calculations & Drawings	3-4	Weeks ARO
Anchor Bolt Delivery	6-8 Weeks after drawing approval	Weeks ~~ARO~~
Steel Structure Delivery	38-40 Weeks after drawing approval	Weeks ~~ARO~~

3. BID PRICES AND WEIGHTS

a. Substation Equipment Structures

Item No.	Drawing No	Description (STR ID)	Qty	Wt. (lbs. Each)	Total Cost
1.	S1-2	138kV H-Frame Structure - #101	1	8980.2	$23,348.52
2.	S1-5	138kV Three Phase High Bus Support - #106	1	1082.4	$2,814.24
3	S1-5	138kV Voltage Transformer Structure #107	3	213.1	$1,662.18
4	S1-6	138kV Three Phase 45° Low Bus Support #109	2	1286.5	$6,689.80
5	S1-8	138kV Three Phase Low Bus Support #113	3	1050.0	$8,190.00
6	S1-9	138kV H-Frame Beam Replacement #100B	1	1740.0	$4,524.00
7	S1-10	Static Wire Support Structure #114	2	6000.0	$36,000.00
		Anchor Bolts/Bolts/Nuts/Washers	1 lot	4000.0	$14,000.00
		Freight to Site Approximately 964 S Gap Canyon Parkway St. George, Utah	1 LS		$14,742.000
	TOTAL COST	Drawings	$12,000.00		$ 123,970.74

DocuSign Envelope ID: B182B74F-A7B0-45AA-86F4-3226575E06F9

St. George
Green Valley Substations -- Structural Steel
Steel Structure Bid Summary

				GALVANIZERS INC			
Strucutre ID	Description	Drawing Number	QTY	Wt LBS (each)	Total Weight	Cost ($/Str)	Total Cost
101		S1-2	1	8,980	8,980	23,348.52	23,348.52
106		S1-5	1	1,082	1,082	2,814.24	2,814.24
107		S1-5	3	213	639	554.06	1,662.18
109		S1-6	2	1,287	2,573	3,344.90	6,689.80
113		S1-8	3	1,050	3,150	2,730.00	8,190.00
100B		S1-9	1	1,740	1,740	4,524.00	4,524.00
114		S1-10	2	6,000	12,000	18,000.00	36,000.00
------	Anchor Bolts	---	Lot	4,000	4,000	14,000.00	14,000.00
------	Drawings	---	Lot			12,000.00	12,000.00
	FREIGHT					14,742.00	14,742.00
	PE STAMPS						
	TOTAL COST				34,165		$123,970.74
	Ave. $/LBS			$3.63			
	BID VALIDITY			-			
	Steel Delivery			38-40 Weeks After Approval			
	Anchor Bolt Delivery			6-8 Week After Approval			
	ADDENDUMS Acknowledged			YES			

Comments:

Engineers Estimate:

Welding Inspectors Certified : -
AISC Quality Certification Program: -

Type of Weld inspection:
Magnetic Particale/Ultrasonic NDT
ASTM Spec.,Grade/Yield: -
Attachment Material Spec & Grade: A325 Bolts
Base Plate Material: -
Anchor Bolt Material: -

Agenda Date: 02/15/2024 **Agenda Item Number:** 1c

Subject:

Consider the approval of Notice of Award to Big D Construction, Inc. for the Renovation of the Airport Terminal project.

Item at-a-glance:

Staff Contact: Richard Stehmeier

Applicant Name: City of St George

Reference Number: NA

Address/Location:

4550 S Airport Pkwy

Item History (background/project status/public process):

The project Public Notice was posted on the City Website. The pre-Bid Meeting was held on January 5, 2024 and there were eight (8) contractors present. Five (5) bids were received and opened on February 2, 2024. Big D Construction was the low bidder amongst the eligible parties. Big D construction's proposed schedule for the Terminal Renovation Project is acceptable and in line with the contract documents of 140 working days.

Staff Narrative (need/purpose):

The existing terminal is utilized by the public more than any other building on the airport and needs additional seating in the Secure/Sterile areas. The Airport would like to provide an upper level lounge and restaurant facility to serve patrons of the airport. This project will create a floor plan that will improve passenger circulation between floors and be ADA compliant with more than fifty additional seats and dedicated seats in the eating areas. The funding was approved by the City Council in a Budget Opening on 2/1/2024.The Secure/Sterile area of the Airport Terminal processes over 325,000 passengers a year. The current fire code limits the existing Sterile area to 273 passengers. As the Airport has expanded, the airlines are upsizing aircraft to 75 seats or larger up to 150 seats. This has resulted in overcrowding in the Sterile area. This project will renovate the second floor and portions of the ground floor to be included into the Secure/Sterile area. The second floor renovation will include a new commercial food service and bar station operated by Tailwind Concessions. The plumbing, electrical, and mechanical systems will be upgraded to handle the new food service and bar areas. The new kitchen area will require all necessary commercial kitchen equipment including exhaust hoods, dishwashers, refrigerators, grills, and sanitary waste. The new bar areas will include custom casework, drink serving equipment, dishwashers, refrigerators, and point of sale. The secure area circulation will be revised to encourage patrons upstairs to the new bar and kitchen area. The elevator lobby walls will be revised by removing the north wall and providing a new west wall with a secure door. This revision will keep the airport SIDA security measures intact, while allowing secure passengers an ADA access to the second floor.

Name of Legal Dept approver: Ryan Dooley

Budget Impact:

Cost for the agenda item: $688,578

Amount approved in current FY budget for item: $2,000,000

If not approved in current FY budget or exceeds the budgeted amount, please explain funding source:

This was approved by the City Council in a Budget Opening on 2/1/2024.

Description of funding source:

This will be paid by a State Grant

Recommendation (Include any conditions):

Staff Recommends Approval.

NOTICE OF AWARD

To:_____

Project: SGU Terminal Renovation
Inquiry No.: #23-164

The CITY has considered the BID submitted by you for the above-described project in response to its Advertisement for BIDS and Information for BIDDERS.

You are hereby notified that your BID has been accepted in the amount of $_____ on the condition that you execute the Agreement and obtain the performance BOND, the payment BOND, and the certificate of insurance within ten (10) calendar days from the date this NOTICE is delivered to you.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the CITY.

Dated this _____ day of _____, 20__.

City of St. George
CITY

By _____

Name Michele Randall

Title Mayor

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged

By _____,

this the _____ day of _____, 20__.

Name _____

Title _____

WOOLPERT

February 8, 2024

Rich Stehmeier, Airport Manager
St. George Regional Airport
4508 South Airport Parkway
St. George, UT 84790

RE: Project Award Recommendation
Inquiry #23-164
Schedule I – Terminal Renovation
Schedule II – Tenant Kitchen Equipment

Rich,

Five bids were received and opened on Friday, February 2, 2024, for the above referenced project. The project Public Notice was posted on the City website. A total of 12 plan holders requested plans on the City website. The pre-bid meeting was held on Friday, January 5, 2024 and eight contractors were present for the pre-bid meeting.

Five bids were received from the following contractors: Doug Hunt, Big D, Wadman, Lannister and Bud Mahas Construction Companies. The lowest bid received was from Doug Hunt Construction, however raised concerns about the ability of Doug Hunt Construction to meet the standards and requirements set forth in our project have caused them to be considered ineligible based on a history of undesirable behavior, including but not limited to excessive change order requests. Therefore, the recommended contractor for this project is Big D Construction, Inc., the next lowest bid.

Based upon the attached bid tabulation, Big D Construction, Inc., is the low bidder amongst the eligible parties in the amount of $632,274.00 for Schedule I, $56,304.00 for Schedule II for a total project cost of $688,578.00.

We checked the bids for errors or omissions; No errors or omissions were found.

Lastly, Big D Construction's proposed schedule for the Terminal Renovation project is acceptable and in line with the contract documents of 140 working days.

Please reach out with any questions, thank you.

Sincerely,

Adam Acree, P.M.

Adam Acree

Woolpert- Denver
720 S. Colorado Blvd, Suite 1200-S
Denver, CO 80246

JVIATION®

TABULATION OF BIDS

ST. GEORGE REGIONAL AIRPORT
ST. GEORGE, UTAH
INQUIRY NUMBER: #23-164

BID OPENING
DATE: February 5, 2024
TIME: 2:00 P.M. (LOCAL TIME)

Schedule I: Terminal Renovation

Schedule II: Tenant Kitchen Equipment

	Big D Construction	Wadman Construction	Bud Mahas Construction, Inc.	Lannister Construction	Doug Hunt Construction, Inc.
Contract Proposal	√	√	√	√	√
Proposal Schedule	√	√	√	√	√
Proposal Summary	√	√	√	√	√
Subcontractor/Material Supplier List	√	√	√	√	√
Contractor General Information	√	√	√	√	√
Proof of Licensure	√	√	√	√	√
Proprosal Bid Bond	√	√	√	√	√
Contractor's Statement of Qualifications	√	√	√	√	√
Bid Schedule	√	√	√	√	√
Schedule I	$ 632,274.00	$ 760,000.00	$ 774,000.00	$ 735,612.00	$ 363,000.00
Schedule II	$ 56,304.00	$ 20,000.00	$ 45,000.00	$ 31,700.00	$ 25,000.00
Total Cost	$ 688,578.00	$ 780,000.00	$ 819,000.00	$ 767,312.00	$ 388,000.00

ADDENDUM NO. 3
TO
CONTRACT DOCUMENTS, SPECIFICATIONS AND PLANS
FOR IMPROVEMENTS TO THE
ST. GEORGE REGIONAL AIRPORT
ST. GEORGE, UTAH
TERMINAL RENOVATION
SCHEDULE I – TERMINAL RENOVATION
SCHEDULE II – TENANT KITCHEN EQUIPMENT
INQUIRY #23-164

To All Bidders: You are requested to make all changes and/or additions contained in this addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal shall result in rejection of bid. Bidders are informed that the above referenced Contract Documents, Specifications and Plans are modified as follows as of January 29, 2024:

BID OPENING DATE & TIME

A. Date: Friday, February 2, 2024 at 2:00 P.M. (Local Time) *Bid Opening date shall be pushed back in Addendum #3.
B. Opened at: St. George Regional Airport
4550 South Airport Parkway
St. George, UT 84770
C. Bid security: 5% of bid amount
D. Bid proposal: Complete and Submit Division 2 Documents.
E. Award: The project award will be based on the low bid and at the discretion by the Owner. The project award is contingent on the availability of funding.

Sealed PROPOSALS will be received for the construction of the **SGU TERMINAL RENOVATION PROJECT,** Inquiry #23-164, located at the St. George Regional Airport, St. George, Utah. PROPOSALS must be submitted in a sealed envelope prior to **2:00 pm (MDT), until Friday, February 2, 2024** to:

The City of St. George, Purchasing Department
ATTN: Mary Wahl, Purchasing Manager
175 East 200 North, St. George, Utah, 84770

Each sealed envelope containing a PROPOSAL must be plainly marked on the outside **SGU Terminal Renovation Project, Inquiry #23-164**.

The PROPOSALS shall be opened in an electronic meeting. Notice for the PROPOSAL opening shall be sent to everyone on the Plan Holders List prior to the PROPOSAL opening. Please note that any late proposals for any reason will NOT be accepted.

CONTRACT DOCUMENTS/SPECIFICATIONS

1. Public Notice: Bid date has been re-scheduled to Friday, February 2nd at 2:00pm local time.

PLANS

1. G-002 GENERAL NOTES – corrected note on submittals
2. AD102 SECOND FLOOR DEMO PLAN – revised note on removal of existing wall and ceiling condition.
3. A-401 ENLARGED FLOOR PLANS – door tag has been corrected.
4. A-501 CASEWORK AND MISC. DETAILS – revised detail C7/A-501
5. A-701 FINISH PLAN AND SCHEDULE – updated sealed concrete information

QUESTIONS

1. For the items in this project that are existing, what division will be responsible for removing and relocating each item? i.e. pepsi cooler, grab 'n' go, work top freezer, draft beer cooler, coffee, and espresso machines equipment.

   Answer: **The General Contractor will be responsible for removing and relocating each item. Items to be stored in nearby SRE building.**

2. Addendum 1 mentions 140 calendar day schedule. Page 10 of the specifications say 140 working days. Please clarify the working day and calendar day expectation.

   Answer: **The intent is for 140 calendar days not working days. The calendar days will not start until the contractor has enough materials to sustain a continual construction without any lead time delays. The Tenant Tailwinds is not expecting any long lead times on the equipment.**

3. Please clarify this note on AD102: "Remove existing wall up to height of ACT. Patch with gypsum and paint." - What is the existing wall? Do we need to put in a new wall with studs?

   Answer: **The intent is for a smooth transition between the 2 existing ACT ceilings. The existing wall framing shall be removed as necessary above the ceiling. Contractor to provide a ceiling transition strip to cover gap.**

4. Question with this note on AD102: "Remove operable partition and wing walls," – Is operable partition between the two wing walls? Or does it span the length of the room?

   Answer: **The operable partitions span length of room. Remove the partitions and walls in full.**



5. Please clarify note #2 under Submittals on G-002: Currently it says, "The contractor shall provide material submittals for the engineer's approval at least seven (10) days prior to ordering." - Is the timeline seven days or ten days?

   Answer: **Submittals note has been corrected to 7 days.**

6. On the spec it shows that for flooring on room 202 and EX206 that contractor will remove existing flooring and existing concrete will be sealed. My question is what do they want it sealed with? Or are they looking for polished concrete? As there is no specification listed for system or materials requested. Because an existing floor will need to be removed grinding will be required to obtain a clean substrate for either system. They can easily do a polished concrete system but as far as sealers go, they could utilize solvent acrylic, water-based acrylic, polyurethane, ect and these products all carry different costs, and functionality. We want to make sure we are bidding appropriately and achieving their goals.

   Answer: **A-701 has been updated to include a concrete sealer basis of design: W.R. Meadows VOCOMP – 25 water based, acrylic concrete curing and sealing compound. A clean substrate will be required before any sealer is installed.**

7. Is door call-out 161 on sheet A-101 (at gridlines F & 8) and the door call-out 110 on sheet A-401 detail A1 the same door?

   Answer: **Sheet A-401 has been corrected to door 161.**

8. In the bid documents, division 2-11 thru 14 is the form "MAJOR SUBCONTRACTORS LISTING". Is it possible to send this form in 24 hours after the bid time? If not even 1 or 2 hours after bid time would help in the rush of putting the bid together.

   Answer: **Yes, list of major subcontractors may be submitted up to 24 hours after the bid.**

9. Is signage required? We cannot locate a sign schedule.

   Answer: **Yes, an updated Occupancy sign to match existing will be required. Also, a state of Utah 8.5" x 11" Bar sign will be required. Both signs will require an 1/8" x 8.5" x 11" Acrylic panel.**

10. Page 67 under part C special provisions of the specifications there is a requirement for the contractor's superintendent to monitor transceiver radios. Will this be required with the renovation work inside the terminal? Please clarify what type of radios the contractor is to provide that will communicate with the airport personnel?

    Answer: **No airport transceiver radios will be required for the project.**

11. Bid Bond- Confirm that the 5% bid bond is the only bond required during bid submission and that the 100% payment and performance bond is required prior to NTP or are all 3 required with the proposal?

    Answer: **Yes, bid bond will be required with the submission. The successful bidder will be required to furnish separate performance and payment bonds prior to the NTP. Refer to division 1-7 for further awarding contract instructions.**

12. Site fencing- For temporary site fencing will chain link be adequate or does contractor need to screen the fence?

    Answer: **A chain link fence will be adequate for the temporary site fencing.**

13. Sheet G-004 shows 0 hour rating for walls and floors. The general notes on G-002 reference to firestop all floors, walls and ceilings as required by code. Is fire stop required at any penetrations?

    Answer: **The floors are not rated do not require any firestopping penetrations through fire rated floors. If penetrations occur through a fire rated wall assembly, they will require firestopping.**

14. P101- after saw cutting the existing floor to install the new 3" grease line the flooring will need to be replaced or repaired. Unable to locate flooring types in the following rooms- EX101, EX103A, EX104A, EX102, EX105, EX106 and EX107. Is there attic stock of existing flooring materials available for use?

    Answer: **All plumbing line installation work is to be done underneath the second floor from the first floor during off hours of airport operations.**

**** END OF ADDENDUM NO. 3**

NO FURTHER ADDENDUMS WILL BE ISSUED **

GENERAL NOTES

1. IF DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, OR REPRESENT A SIGNIFICANT DIFFERENCE BETWEEN THE CONTRACT DOCUMENTS AND FIELD CONDITIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.

2. ALL CONTRACTORS SUBMITTING BID PROPOSALS FOR THIS PROJECT ARE REQUIRED TO VISIT THE SITE PRIOR TO BIDDING TO VERIFY EXISTING CONDITIONS AND FEASIBILITY OF DESIGN INTENT OF THESE CONSTRUCTION DOCUMENTS (CONSTRUCTION DRAWINGS AND SPECIFICATIONS). ANY VARIATION IN SITE CONDITIONS AND CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE'S ATTENTION IN WRITING IMMEDIATELY AND (5) BUSINESS DAYS PRIOR TO BID DATE, THE SUBMISSION OF BID PROPOSAL'S SHALL BE CONSIDERED EVIDENCE THAT THE CONTRACTOR HAS VISITED THE SITE, VERIFIED ITS CONDITIONS AND IS PREPARED TO PERFORM WORK AS INTENDED IN THESE DOCUMENTS. NO EXTRA PAYMENT'S SHALL BE ALLOWED DUE TO THE CONTRACTORS CLAIMS FOR EXTRA WORK REQUIRED BY THEIR FAILURE TO VISIT THE SITE.

3. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.

4. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE BEFORE CONTINUING WITH THE WORK.

5. EACH CONTRACTOR IS RESPONSIBLE FOR COORDINATING THEIR WORK WITH ALL SURROUNDING CONSTRUCTION ELEMENTS AND TRADES AFFECTED.

6. EACH CONTRACTOR IS RESPONSIBLE FOR CREATING ALL OPENINGS, PENETRATIONS, LINTELS, ETC. AS REQUIRED TO PERFORM THEIR PORTION OF WORK. AT FIRE RATED PARTITIONS, CLOSE OPENINGS / PENETRATIONS / ETC. WITH FIRESTOPPING THAT MATCHES OR EXCEEDS THE PARTITION RATING.

7. ALL ITEMS REQUIRING COLOR SELECTION SHALL BE SELECTED BY THE CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE DURING THE SUBMITTAL REVIEW FROM MANUFACTURERS' STANDARD OR FULL RANGE (AS DIRECTED IN SPECIFICATION) OF COLORS.

8. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR THE COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS AS REQUIRED TO PERFORM THE WORK AS CALLED FOR, SHOWN AND REASONABLY IMPLIED IN THE CONTRACT DOCUMENTS.

9. WHENEVER, IN THE CONTRACT DOCUMENTS, THE WORDS "PROVIDE", "FURNISH", "INSTALL", "FURNISH AND INSTALL", OR SIMILAR WORDS ARE USED, IT SHALL BE UNDERSTOOD THAT THE INTENT OF THE CONTRACT DOCUMENTS IS TO PROVIDE FOR THE CONSTRUCTION AND COMPLETION IN EVERY DETAIL THE WORK DESCRIBED. IT SHALL BE UNDERSTOOD "TFCI" SHALL MEAN TENANT FURNISHED CONTRACTOR INSTALLED, AND "CFCI" SHALL MEAN CONTRACTOR FURNISHED CONTRACTOR INSTALLED. IT IS FURTHER INTENDED THAT THE CONTRACTOR SHALL FURNISH ALL LABOR, SUPERVISION, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, SUPPLIES, TESTING, AND INCIDENTALS REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE DRAWINGS (PLANS), SPECIFICATIONS, AND TERMS OF THE CONTRACT.

10. FINISH AND PAINT WALLS BEFORE INSTALLING CASEWORK, EQUIPMENT, FIXTURES, ELEC. PANELS, BOXES, SURFACE CONDUIT, ETC., IF APPLICABLE.

11. CONTRACTOR TO INSTALL WOOD OR METAL BLOCKING FOR ALL CASEWORK, EQUIPMENT, HANDRAILS, BATH ACCESSORIES, FIXTURES, ETC. AS RECOMMENDED BY MANUFACTURER, IF NOT OTHERWISE SHOWN HEREIN.

12. CONTRACTOR SHALL KEEP A SET OF AS-BUILT DRAWINGS ON-SITE AND MAKE AVAILABLE TO THE ENGINEER AT ALL TIMES. AS-BUILT SET SHALL BE SUBMITTED TO THE ENGINEER AT THE COMPLETION OF THE JOB. CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING ALL AS-BUILT INFORMATION DURING THE PROJECT. THE CONTRACTOR SHALL NOTE, AND BRING TO THE ENGINEER'S ATTENTION, ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND ACTUAL FIELD CONDITIONS.

13. IF DISCREPANCIES BETWEEN PLANS OR SPECIFICATIONS OCCUR THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE TREAT ANYTHING MENTIONED IN THE SPECIFICATIONS BUT NOT SHOWN ON THE DRAWINGS OR SHOWN ON THE DRAWINGS BUT NOT INCLUDED IN THE SPECIFICATIONS AS IF SHOWN OR MENTIONED IN BOTH. IF DISCREPANCIES BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE SPECIFICATIONS TAKE PRECEDENCE.

14. FOR INSTALLATION OF ALL WORK WHICH IS DEPENDENT ON CONDITION OF SUBSTRATE, CAREFULLY INSPECT AND VERIFY SUITABILITY OF SUBSTRATE FOR INSTALLATION OF WORK. DO NOT INSTALL WORK OVER UNSUITABLE OR UNACCEPTABLE SUBSTRATES. CORRECT UNACCEPTABLE SUBSTRATES BEFORE INSTALLING WORK. CONTRACTOR IS RESPONSIBLE FOR ALL GRINDING, LEVELING, SANDING, PATCHING, ETC. TO CORRECT ALL EXISTING SURFACES TO PREPARE FOR NEW FINISHES. ALL NEW FINISHED AND PATCHED SURFACES SHALL BE SMOOTH, CONTINUOUSLY FREE OF IMPERFECTIONS AND IN PROPER CONDITION TO RECEIVE THE SPECIFIED FINISH. PATCHED AREAS SHALL MATCH THE ADJACENT MATERIALS CONSTRUCTION AND FINISH.

15. MOUNTING HEIGHTS OF ELECTRICAL, PLUMBING, MECHANICAL, AND OTHER DEVICES SHALL COMPLY WITH HEIGHTS INDICATED ON DRAWINGS. NOTIFY CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE IF CONFLICTS ARE ENCOUNTERED.

16. ALL DAMAGE TO UTILITIES, PAVEMENT, EQUIPMENT, OR STRUCTURES FROM CONSTRUCTION ACTIVITIES SHALL BE IMMEDIATELY REPORTED TO THE RESIDENT ENGINEER. THE RESIDENT ENGINEER SHALL DETERMINE WHETHER REPAIR OR REPLACEMENT IS NECESSARY. ALL REPAIR METHODS SHALL BE SUBMITTED TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INITIATING THE WORK. REPAIRS SHALL BE MADE AT NO ADDITIONAL COST TO THE SPONSOR AND TO THE APPROVAL OF THE ENGINEER.

17. ALL EXPOSED CONCRETE FLOORS SHALL BE CLEANED AT THE END OF PROJECT AND HAVE A 2ND COAT OF SEALER APPLIED.

18. DESIGNS CONTAINED HEREIN ARE BASED ON SPECIFIED EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REDESIGN FOR EQUIPMENT SUBSTITUTIONS TO THE APPROVED SPECIFICATIONS AT NO ADDITIONAL COST TO THE SPONSOR. THE CONTRACTOR SHALL PROVIDE MATERIAL SUBMITTALS,SAMPLES AND DESIGN DRAWINGS FOR THE ENGINEER'S APPROVAL A MINIMUM OF SEVEN (7) DAYS PRIOR TO ORDERING.

19. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF PUBLIC IMPROVEMENTS SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER.

20. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO ORDERING OR FABRICATION OF MATERIALS OR THE BEGINNING OF CONSTRUCTION. NOTIFY ARCHITECT AND OWNER REPRESENTATIVE OF ALL DISCREPANCIES. ALL WORK REQUIRING MEASURING TO BE DONE ACCORDING TO FIGURES ON DRAWINGS. DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND DRAWINGS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND OWNER REPRESENTATIVE. CONTRACTOR TO SUBMIT SPECIFIC DISCREPANCY FOR ARCHITECT REVIEW, PRIOR TO COMMENCING WITH THE WORK IN QUESTION.

21. THE CONTRACTOR SHALL ARRANGE FOR THE PREMISES TO BE MAINTAINED IN AN ORDERLY MANNER, FREE OF DUST AND DEBRIS,THROUGHOUT THE COURSE OF THE WORK. PROVIDE AND MAINTAIN TEMPORARY BARRICADES AS REQUIRED TO PROTECT THE PUBLIC AND OWNERS PERSONNEL DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING STRUCTURE OR EQUIPMENT. ANY SUCH DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

22. CONTRACTOR SHALL PROVIDE DAILY OR MORE FREQUENT GENERAL CLEAN UP IN COMPLIANCE WITH OWNER'S REQUIREMENTS OF AREAS WITHIN THE LIMITS OF CONSTRUCTION, AND FINAL CLEAN UP AT CONCLUSION OF WORK.

23. ALL MATERIALS, FIXTURES AND EQUIPMENT INDICATED IN THE CONSTRUCTION DOCUMENTS SHALL BE NEW AND AS SPECIFIED, UNLESS IDENTIFIED OTHERWISE.

24. FIRE STOP ALL FLOORS, WALLS AND CEILINGS AS REQUIRED BY APPLICABLE CODE.

25. PROVIDE FIRE EXTINGUISHER COMPLYING WITH NFPA 10, AS INDICATED ON LIFE SAFETY DRAWINGS WITH MAX TRAVEL DISTANCE OF 75'.

26. THE LOCATIONS OF EXISTING UTILITIES HAVE BEEN PREPARED FROM DOCUMENTS PROVIDED BY THE OWNER AND MAY NOT REPRESENT THE ACTUAL FIELD CONDITIONS. CONTRACTOR TO REVIEW ALL OWNER DOCUMENTS AND BECOME FAMILIAR WITH ALL EXISTING UTILITIES. THE CONTRACTOR HAS THE RESPONSIBILITY TO VERIFY LOCATIONS IN THE FIELD BY EMPLOYING FIELD UTILITY LOCATING SERVICES BEFORE CONSTRUCTION STARTS, AND COORDINATE ALL NEW UTILITY LOCATIONS, CONNECTIONS AND PENETRATIONS.

27. FOR THE SUBCONTRACTOR SHALL VERIFY AND COORDINATE, WITH ALL TRADES, THE SIZES AND LOCATIONS OF ALL OPENINGS FOR MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT, EQUIPMENT PADS, OR BASES AS WELL AS POWER, WATER, AND DRAIN INSTALLATIONS BEFORE PROCEEDING WITH WORK. SUBCONTRACTOR SHALL PROVIDE COORDINATION DRAWINGS FOR PROPER PLACEMENT OF ALL TRADES' WORK. ALL CONCERNS, SPACE LIMITATIONS OR STRUCTURAL CONFLICTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT, PRIOR TO COMMENCING WITH THE WORK IN QUESTION.

28. IT IS THE SUBCONTRACTOR'S RESPONSIBILITY TO COORDINATE AND LOCATE ELECTRICAL, DATA, AND PHONE RECEPTACLES, SWITCHES, ETC. TO AVOID CONFLICTS WITH CASEWORK, DOORS, AND OTHER TRADE.

PERMITTING

1. PRELIMINARY PERMITTING INFORMATION WILL BE SUBMITTED BY THE RPR PRIOR TO AWARD OF CONTRACT. SPECIFIC ITEMS THAT WILL NEED TO BE COMPLETED BY THE CONTRACTOR INCLUDE BUT ARE NOT LIMITED TO SUPPLYING NECESSARY BONDING, PAYMENT OF ALL FEES, REVIEW OF ALL CALCULATIONS AND ASSUMPTIONS MADE BY THE RPR PRIOR TO AWARD. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO, AN FAA 7460-1 NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION, A NPDES STORMWATER PERMIT, AND A FUGITIVE DUST PERMIT. THE CONTRACTOR SHALL BE RESPONSIBLE TO PAY FOR THE COST TO OBTAIN ALL PERMITS.

2. THE CONTRACTOR SHALL SUBMIT A COPY OF ALL PERMITS REQUIRED FOR THE PROJECT TO THE RPR, FOR HIS REVIEW.

SITE ACCESS AND STAGING

1. THE CONTRACTOR IS REQUIRED TO OBTAIN A WATER METER FROM THE CITY OF ST. GEORGE WATER DIVISION FOR ACCESS TO CONSTRUCTION WATER FROM AN ON AIRPORT LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE TO PAY FOR WATER USED.

2. DURING CONSTRUCTION, THE CONTRACTOR SHALL MINIMIZE DISTURBANCES TO ALL CONSTRUCTION AREAS AND ACCESS ROUTES. THIS INCLUDES EQUIPMENT AND VEHICULAR RUTS CREATED IN ANY PAVEMENTS, ANY HAUL/ACCESS ROADS, OR ANY INFIELD/SAFETY AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES OR ROADS. REPAIRS SHALL BE MADE AT NO ADDITIONAL COST TO THE SPONSOR AND TO THE SATISFACTION OF THE ENGINEER. HAUL ROUTE BRIDGES SHALL BE CONSTRUCTED AT HAUL ROUTES CROSSING EXISTING AIRFIELD PAVEMENT. COSTS ASSOCIATED WITH HAUL BRIDGE CONSTRUCTION WILL BE CONSIDERED INCIDENTAL TO THE BUILDING CONSTRUCTION.

3. BEFORE ESTABLISHING SITE ACCESS AND HAUL ROUTES, THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER. WHEN POSSIBLE, ACCESS/HAUL ROUTES SHALL UTILIZE EXISTING ROADS. THE CONTRACTOR SHALL MAINTAIN AIRPORT SECURITY AT ALL TIMES.

4. ALL DAMAGE TO UTILITIES, PAVEMENT, EQUIPMENT, OR STRUCTURES FROM CONSTRUCTION ACTIVITIES SHALL BE IMMEDIATELY REPORTED TO THE RESIDENT ENGINEER. THE RESIDENT ENGINEER SHALL DETERMINE WHETHER REPAIR OR REPLACEMENT IS NECESSARY. ALL REPAIR METHODS SHALL BE SUBMITTED TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INITIATING THE WORK. REPAIRS SHALL BE MADE AT NO ADDITIONAL COST TO THE SPONSOR AND TO THE APPROVAL OF THE ENGINEER.

5. CONTRACTOR SHALL EXAMINE THE EXISTING PAVEMENTS THAT WILL BE USED FOR HAULING OF MATERIAL AND EQUIPMENT, AND DETERMINE THE PAVEMENTS ABILITY TO WITHSTAND CONTRACTOR OPERATIONS WITHOUT CAUSING DAMAGE TO THE PAVEMENT. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR TO THE APPROVAL OF THE ENGINEER AND AT NO ADDITIONAL COST TO THE SPONSOR.

7. ALL AREAS THAT ARE DISTURBED BY CONTRACTOR OPERATIONS, SHALL BE STERILIZED USING A STERILANT APPROVED BY THE AIRPORT. STERILIZING IS INCIDENTAL TO CONSTRUCTION AND WILL NOT BE PAID SEPARATELY.

8. ALL CONTRACTOR EMPLOYEES SHALL BE REQUIRED TO PARK IN THE CONTRACTORS DESIGNATED STAGING AREA ONLY AND SHALL BE DRIVEN TO THE PROJECT SITE BY DESIGNATED CONSTRUCTION VEHICLES.

9. CRAWLER TRACKED VEHICLES SHALL NOT BE ALLOWED ON PAVED SURFACES. TRACKED VEHICLES MUST BE MOVED ACROSS PAVED SURFACES ON A WHEELED VEHICLE.

10. WHENEVER CONSTRUCTION TRAFFIC IS REQUIRED TO CROSS AN ACTIVE RUNWAY, TAXIWAY, TAXILANE, OR INTERRUPT NORMAL TRAFFIC FLOW ON APRONS OR RAMPS, THE CONTRACTOR SHALL PROVIDE FLAGGERS AT THE CROSSING(S) AS REQUIRED BY THE CONSTRUCTION PHASING DRAWINGS OR AS DIRECTED BY THE ENGINEER OR THE AIRPORT (INCIDENTAL TO ITEM GP-100).

UTILITIES

1. PRIOR TO COMMENCING WORK, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE APPROPRIATE UTILITY AGENCIES, UTILITY NOTIFICATION CENTERS, AND TO FIELD VERIFY THE LOCATIONS AND DEPTHS, THROUGH UTILITY LOCATES AND POTHOLES, OF ALL EXISTING UTILITIES WITHIN THE PROJECT LIMITS, STAGING, AND HAUL ROUTE AREAS.

2. THE EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL NOT BE SCALED FOR EXACT LOCATION. LOCATION OF EXISTING DUCT BANK, CIRCUITING, UTILITIES AND STRUCTURES SHOWN ON THESE DRAWINGS IS BASED ON AVAILABLE INFORMATION AND IS NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL OF THESE ITEMS ARE SHOWN.

3. CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE APPROPRIATE UTILITY AGENCIES WHEN WORKING ON OR WITHIN THE PROXIMITY OF AN AGENCIES UTILITY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.

4. ANY INTERRUPTION OF AN EXISTING SYSTEM OR UTILITY SERVICE SHALL BE COORDINATED AND APPROVED BY THE AIRPORT AND THE AUTHORITY, AGENCY, OR UTILITY HAVING JURISDICTION, PRIOR TO STARTING WORK INCLUDING CONTACTING THE AIRPORT AND FAA.

5. CONTRACTOR IS RESPONSIBLE FOR DAMAGES TO EXISTING UTILITIES. REPAIRS DEEMED NECESSARY BY THE ENGINEER WILL BE COMPLETED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE SPONSOR. SEE SECTION 50-06 OF THE CONTRACT DOCUMENTS FOR ADDITIONAL NOTES REGARDING UTILITY LOCATES.

6. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE CITY, COUNTY, AND ALL UTILITY COMPANIES INVOLVED, WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION, AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY SERVICE.

7. WHERE NEW DUCT BANKS OR OTHER UTILITIES ARE NEAR EXISTING UTILITIES, THE CONTRACTOR SHALL HAND EXCAVATE AROUND THE EXISTING UTILITIES IN ORDER T0 PREVENT DAMAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATELY REPAIRING ANY UTILITY DAMAGED DURING CONSTRUCTION.

8. WHEN INSTALLING NEW UTILITIES UNDER EXISTING PAVEMENT THE CONTRACTOR SHALL NEATLY SAW CUT AND REMOVE THE EXISTING PAVEMENT PRIOR TO INSTALLING THE CONDUIT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY PAVEMENT REMOVED OR DAMAGED DURING THE UTILITY INSTALLATION PROCESS. ALL WORK REQUIRED TO REMOVE AND REPAIR PAVEMENT SHALL BE INCLUDED IN THE BUILDING CONSTRUCTION.

9. THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF THE WATER LINES AND DRY UTILITIES.

10. CONTRACTOR SHOULD EXPECT TO ENCOUNTER WATER IN LIGHT CANS, JUNCTION CANS AND STRUCTURES. CONTRACTOR RESPONSIBLE FOR DEWATERING AT NO ADDITIONAL COST TO THE OWNER.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.

SUBMITTALS

1. THE CONTRACTOR SHALL SUBMIT A DETAILED LISTING OF ALL SUBMITTALS (E.G., MATERIAL CERTIFICATION, AND PRODUCT INFORMATION) AND SHOP DRAWINGS REQUIRED BY THE TECHNICAL SPECIFICATIONS.

2. THE CONTRACTOR SHALL PROVIDE MATERIAL SUBMITTALS FOR THE ENGINEER'S APPROVAL AT LEAST SEVEN (7) DAYS PRIOR TO ORDERING.

1

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID
4	AJR	01/29/2024	ADDENDUM #3

ISSUED FOR BID

STATE OF UTAH
ANDREW J. REMSTAD
No. 8845747-0301
12/21/2023
LICENSED ARCHITECT

ANDY J REMSTAD	8845747-0301	12/21/2023
NAME	REG. NO.	DATE

FOR AND ON BEHALF OF JVIATION, INC.

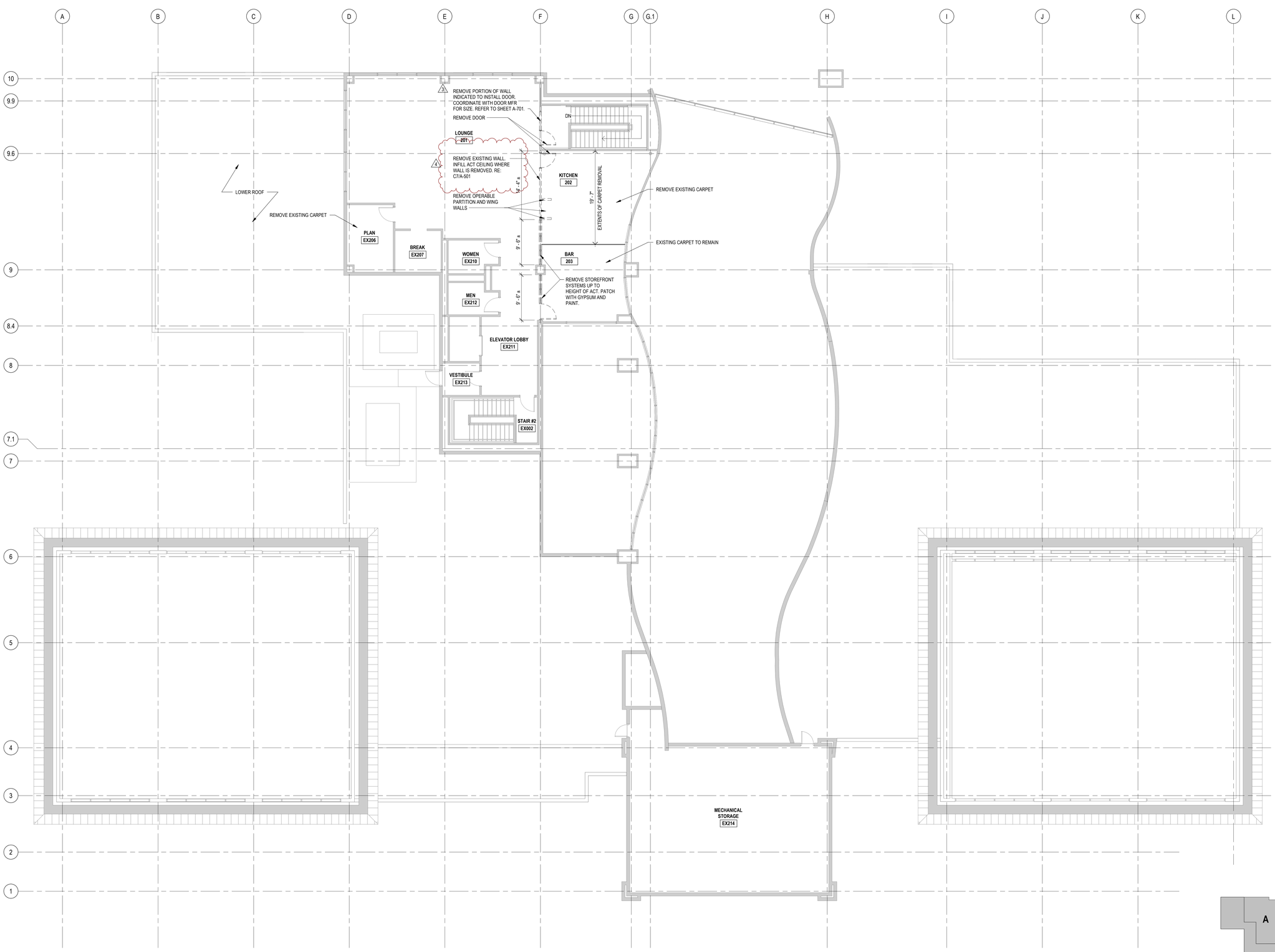
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PROJECT NUMBER: **10016873.00**

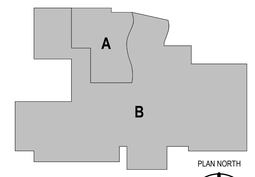
GENERAL NOTES

G-002

1/29/2024 11:36:05 AM Autodesk Docs://Jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt
G-002 GENERAL NOTES



A1 SECOND FLOOR DEMOLITION PLAN
1/8" = 1'-0"



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE
1/8"=1'-0"
0 4' 8' 16' 24'

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION
A WOOLPERT COMPANY

TERMINAL RENOVATION

4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID
3	AJR	01/22/2024	ADDENDUM #2
4	AJR	01/29/2024	ADDENDUM #3

ISSUED FOR BID

STATE OF UTAH
ANDREW J REMSTAD
No. 8845747-0301
12/21/2023
LICENSED ARCHITECT

NAME	REG. NO.	DATE
ANDY J REMSTAD	8845747-0301	12/21/2023

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: RCS	CHECKED: AMA	APPROVED: AJR

PROJECT NUMBER: 10016873.00

OVERALL SECOND FLOOR DEMOLITION PLAN

AD102

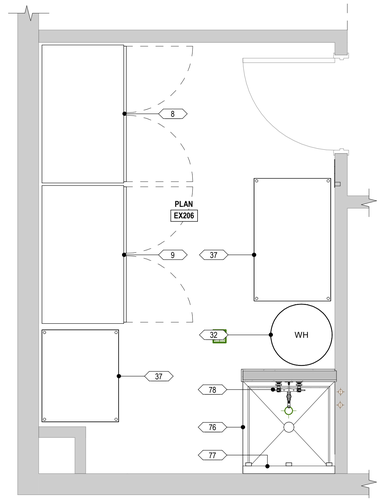
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KITCHEN EQUIPMENT

ITEM NO.	QTY.	ITEM NAME	MANUFACTURER OR EQUAL	MODEL NUMBER	SCHEDULE I CFCI	SCHEDULE II TFCI	SCHEDULE II TFTI	NOTES
1	1	SLIDING GLASS DOOR PEPSI COOLER	RELOCATED	EXISTING F.V.		X		
2	1	GRAB N GO DISPLAY CASE	RELOCATED	EXISTING F.V.		X		
3	2	P.O.S. - CASH REGISTER	VARIES				X	POS DATA LINES - +24" PROVIDE 3 WORKING, PUNCHED DOWN, DATA LINES TO EACH POS AND BACK TO OFFICE LOCATION WHERE OWNER DICTATES. MAKE SURE ALL DATA LINES ARE IN PLACE AND TERMINATED.
4	1	36" WORK TOP FREEZER	RELOCATED	EXISTING F.V.		X		
5	1	36" WORK TOP REFRIGERATOR	AVANTCO OR EQ.	SS-WT-36R		X		
6	1	48" WORK TOP REFRIGERATOR	AVANTCO OR EQ.	SS-WT-48R		X		
7	1	48" FOOD PREP REFRIGERATOR	AVANTCO OR EQ.	SS-PT-48		X		
8	1	2-DOOR REACH-IN REFRIGERATOR	AVANTCO OR EQ.	A-49R-HC		X		
9	1	2-DOOR REACH-IN FREEZER	AVANTCO OR EQ.	A-49R-HC		X		
11	1	48" DRAFT BEER COOLER	RELOCATED	EXISTING F.V.		X		
12	1	12" STAINLESS STEEL DUMP SINK	BK RESOURCES	UB4-21-1014HSS12-P-G		X		
13	1	48" BAR BACK COOLER W/ CASTERS	TRUE	TBB2448GSD-LD		X		
15	2	HAND SINK W/ SPLASH GUARDS HAND TOWEL ROLL DISPENSER SOAP DISPENSER	REGENCY TORK GOJO	HS-12-SP 309606 H-2557		X		
16	1	ICE MAKER	MANITOWOC	URF-0140A		X		HALF DICE ICE
17	1	HIGH VOLUME WATER FILTER	3M	DP190		X		CONNECT TO 16, 24, 25, 31 #16 TO BE FILTERED W/ SCALE TREATMENT
18	1	COUNTERTOP HIGH-SPEED OVEN	UNOX	XASW-03HS-SDDS		X		ADD SECOND OUTLET FOR FUTURE
19	2	BLENDER	VITAMIX	THE QUIET ONE		X		
24	1	COFFEE BREWER	RELOCATED	EXISTING F.V.		X		
25	1	ESPRESSO MACHINE	RELOCATED	EXISTING F.V.		X		
26	1	ESPRESSO GRINDER	RELOCATED	EXISTING F.V.		X		
27	1	MULTI-HOPPER COFFEE GRINDER	RELOCATED	EXISTING F.V.		X		
28	1	SLICER	HOBART	EDGE 13		X		
29	1	3-COMPARTMENT SINK WALL-MOUNT PRE-RINSE FAUCET (3) TWIST WASTE VALVES	ADVANCE TABCO T&S T&S	FC-3-1620-18RL		X		
30	1	48" PREP TABLE W/ SINK, LEFT TWIST WASTE VALVE DECK MOUNT 4" CENTER FAUCET	EAGLE GROUP T&S T&S	5PR-8W12 B-3952		X		
31	1	24" UNDERBAR ICE BIN DOUBLE SS SPEEDRAIL	KROWNE	KR-19-24 RD-24		X		
32	1	HOT WATER HEATER	BY ENGINEER	A.O.SMITH DRE 52	X			LOCATION TO BE BY ENGEINEERING; 24KW IS TYPICAL WITH RECIRC
33	4	TRASH CAN	RUBBERMAID	FG354000			X	
33A	1	UNDERCOUNTER TRASH CAN	RUBBERMAID	2026696		X		
34	1	30"X30" SS TABLE W/ 4" BACKSPLASH & UNDERSHELF	REGENCY OR EQ.	WS-KD SERIES		X		
35	5	STAINLESS STEEL WALL-MOUNTED SHELF	REGENCY OR EQ.	WS-KD SERIES		X		VARYING HEIGHTS AND SIZES; SEE PLANS AND ELEVATIONS
36	5	EPOXY WIRE WALL-MOUNTED SHELF	METRO OR EQ.	EPOXY GREEN		X		VARYING HEIGHTS AND SIZES; SEE PLANS AND ELEVATIONS
37	4	METRO SHELF UNIT	METRO OR EQ.	VARIES		X		CHROME FINISH
39	1	TICKET PRINTER FROM POS					X	DATA TO POS. MAKE SURE ALL DATA LINES ARE IN PLACE AND TERMINATED.
40	1	KNOCK BOX				X		
41	4	AIRPOT				X		
42	1	GLASSWASHER - LOW TEMP	JACKSON	DELTA 5-E		X		
43	1	MUG FROSTER W/ CASTERS	TURBO AIR	TBC24SB-GF-N6		X		
45A	4	WALL-MOUNTED (W/ FIN) SS SPLASH GUARD W/ 1" RADIUS OUTSIDE CORNERS			X			18"H X 18"W
45B	1	WALL-MOUNTED (W/ FIN) SS SPLASH GUARD W/ 1" RADIUS OUTSIDE CORNERS			X			36"H X 24"W
46	2	FLOATING GLASS BATHROOM SHELF FINISH: BRUSHED STEEL	SPANCRAFT GLASS			X		38"W X 8"D
47	5	DROP-IN CUP DISPENSER W/ CAGE	SAN JAMAR	C22108M		X		
70,71	3	42" MONITOR CEILING MOUNTED TV HANGER	INSIGNIA EXPERT MOUNTS	NS-42D510NA15 ITEM# 33CE004		X		MONITOR MENU BOARD DATA LINES IN CEILING AT MONITOR SUPPORT - PROVIDE 1 WORKING, PUNCHED DOWN DATA LINE TO EACH MONITOR SUPPORT
72	1	60" MONITOR CEILING MOUNTED TV HANGER	INSIGNIA EXPERT MOUNTS			X		
76	1	MOP SINK	TERRAZZO WIRE	TRH -363606	X			36"W X36"D
77	1	STAINLESS STEEL UTILITY SHELF MOP HOLDER	BOBRICK	239X34	X			MOUNT AT 64" A.F.F.
78	1	MOP SINK FAUCET	ELKAY	LKB940C	X			
91	1	SELF-CLOSING CAFE GATE, PAIR	ELIASON	PAIR-LWP-CAFE STANDARD		X		ALUMINUM; 38"W X 30" TALL AT 4" A.F.F.
92	2	24"H SNEEZE GUARD				X		
93	1	24"X24" SS CABINET W/ DOOR AND LOCK W/ CASTERS	BK RESOURCES	UBC-2424HL		X		

LEGEND

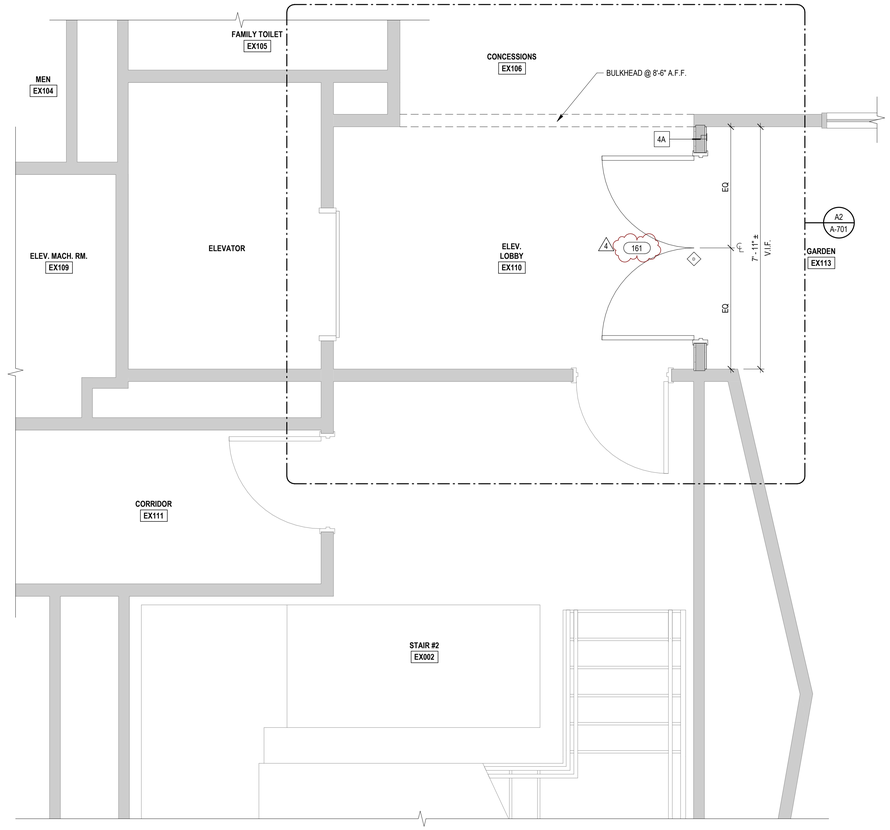
CFCI CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
TFCI TENANT FURNISHED, CONTRACTOR INSTALLED
TFTI TENANT FURNISHED, TENANT INSTALLED



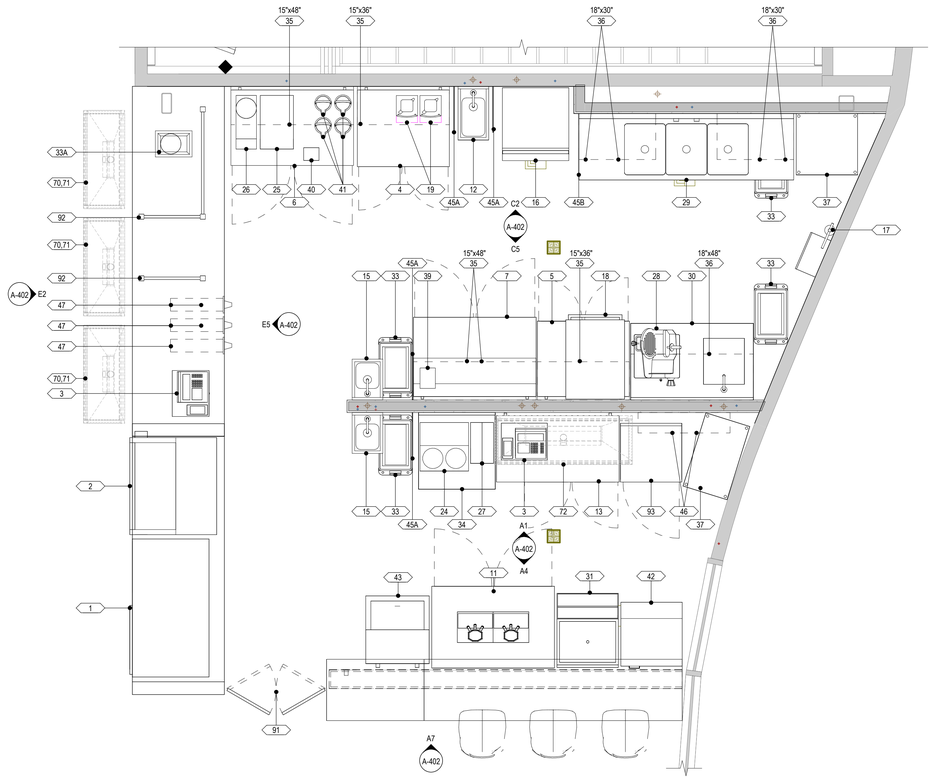
D4 ENLARGED STORAGE PLAN
1/2" = 1'-0"

GENERAL SHEET NOTES:

A. ALL DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ALL DISCREPANCIES PRIOR TO STARTING WORK.
B. ALL DIMENSIONS ARE FACE OF MASONRY, POURED CONCRETE, OR FACE OF STUD (WOOD OR METAL, U.N.O.
C. ALL INTERIOR PARTITIONS TO BE **TYPE 4A** UNLESS NOTED OTHERWISE. REFER TO SHEET A-000 FOR PARTITION DETAILS.
D. ALL INTERIOR DOOR FRAMES SHALL BE LOCATED A DISTANCE OF SIX INCHES FROM THROAT RETURN TO THE CLOSEST ADJACENT PERPENDICULAR PARTITION, U.N.O.
E. PROVIDE SOLID BLOCKING/BACKING IN-WALL CAVITIES AT ALL WALL MOUNTED CASEWORK, FIXTURES, EQUIPMENT AND SHELVING. REFER TO TYPICAL PARTITION AND BACK PLATE DETAILS FOR ADDITIONAL INFORMATION.
F. REFER TO MEP AND FIRE PROTECTION DRAWINGS FOR MOUNTING HEIGHTS OF SWITCHES, OUTLETS, ALARMS AND ALL SURFACE MOUNTED COMPONENTS.
G. REFER TO SHEET A-701 FOR DOOR SCHEDULE.
H. REFER TO SHEET A-701 FOR FINISH SCHEDULE AND FLOOR PATTERNS.



A1 ENLARGED FIRST FLOOR PLAN
1/2" = 1'-0"



A4 ENLARGED KITCHEN PLAN
1/2" = 1'-0"

PLAN NORTH

GRAPHIC SCALE
1/2"=1'-0"
0 6" 1' 2' 3' 4' 5' 6'

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790
A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID
2	AJR	01/08/2024	ADDENDUM #1
4	AJR	01/29/2024	ADDENDUM #3

ISSUED FOR BID

STATE OF UTAH
ANDREW J. REMSTAD
No. 8845747-0301
12/21/2023
LICENSED ARCHITECT

ANDY J REMSTAD | 8845747-0301 | 12/21/2023
NAME | REG. NO. | DATE

FOR AND ON BEHALF OF JVIATION, INC.

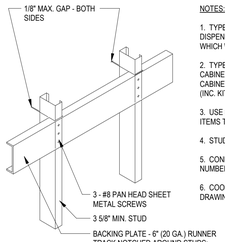
DRAWN: RCS | CHECKED: AMA | APPROVED: AJR

PROJECT NUMBER: **10016873.00**

ENLARGED FLOOR PLANS

A-401

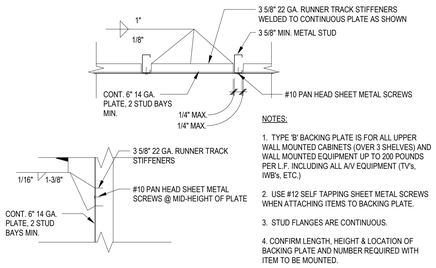
A-401 ENLARGED FLOOR PLANS 1/29/2024 11:53:53 AM Autodesk Docs://Jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt



NOTES:

1. TYPE 'A1' BACKING PLATE IS FOR SMALL ITEMS (SUCH AS SOAP DISPENSERS, DOOR STOPS, MIRRORS, CLOTHES HOOKS, ETC.) WHICH WEIGH OR SUPPORT WEIGHTS OF LESS THAN 25 POUNDS.
2. TYPE 'A2' BACKING PLATE IS FOR UPPER WALL MOUNTED CABINETS (UP TO 2 SHELVES). BASE CABINETS, FULL HEIGHT CABINETS, HANDRAILS, GUARDRAILS & WALL MOUNTED EQUIPMENT (INC. KITCHEN EQUIPMENT SHELVING) UP TO 100 POUNDS PER L.F.
3. USE #12 SELF TAPPING SHEET METAL SCREWS WHEN ATTACHING ITEMS TO TYPE A2 BACKING PLATE.
4. STUD FLANGES ARE CONTINUOUS.
5. CONFIRM LENGTH, HEIGHT & LOCATION OF BACKING PLATE AND NUMBER REQUIRED WITH ITEM TO BE MOUNTED.
6. COORDINATE GAUGE OF EXTERIOR WALL STUDS W/ STRUCTURAL DRAWINGS.

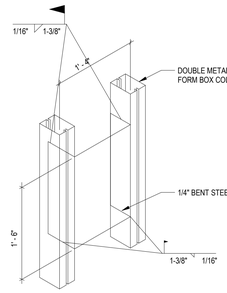
E1 BACKING PLATES - TYPES 'A1' & 'A2'
1" = 1'-0"



NOTES:

1. TYPE 'B' BACKING PLATE IS FOR ALL UPPER WALL MOUNTED CABINETS (OVER 3 SHELVES) AND WALL MOUNTED EQUIPMENT UP TO 200 POUNDS PER L.F. INCLUDING ALL A/V EQUIPMENT (TV's, IWB's, ETC.)
2. USE #12 SELF TAPPING SHEET METAL SCREWS WHEN ATTACHING ITEMS TO BACKING PLATE.
3. STUD FLANGES ARE CONTINUOUS.
4. CONFIRM LENGTH, HEIGHT & LOCATION OF BACKING PLATE AND NUMBER REQUIRED WITH ITEM TO BE MOUNTED.

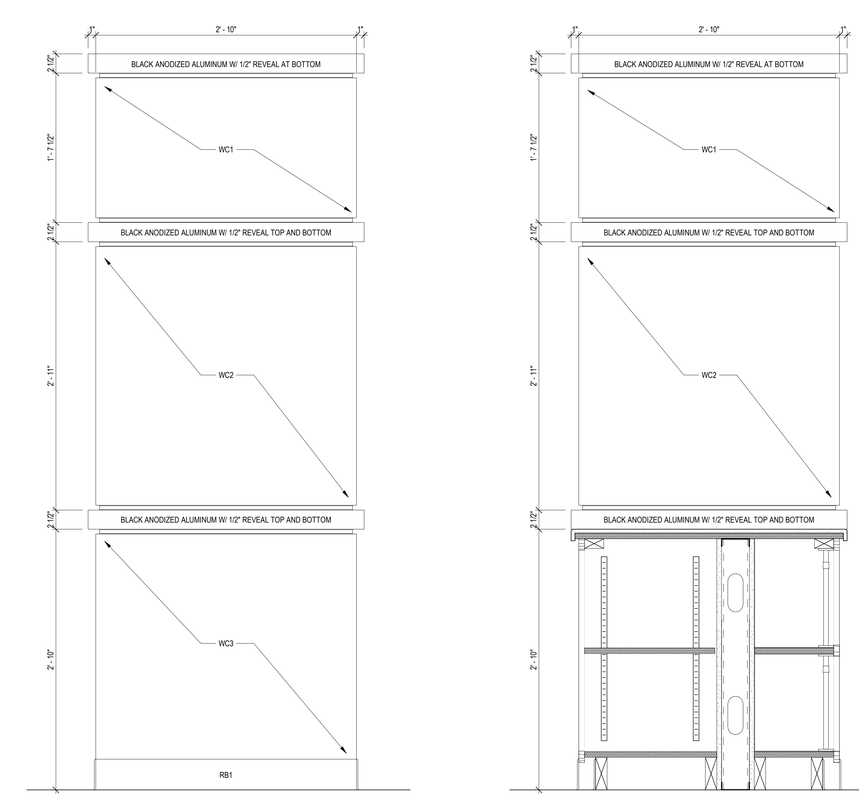
E3 BACKING PLATE - TYPE 'B'
1" = 1'-0"



NOTES:

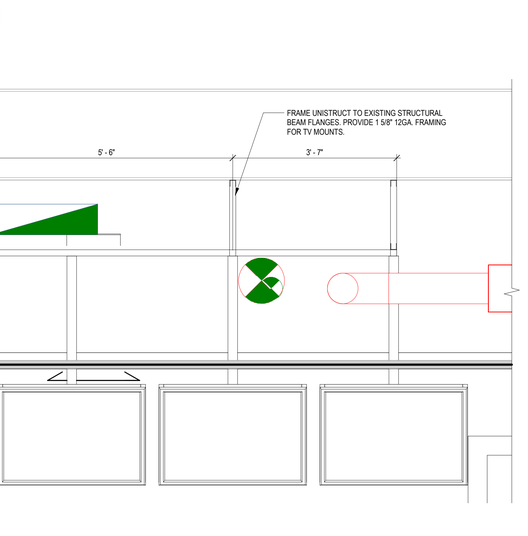
1. TYPE 'C' BACKING PLATE IS FOR WALL MOUNTED EQUIPMENT AS DESIGNATED BY WALL MOUNTED EQUIPMENT MANUFACTURER.
2. FOR THE METHOD OF FASTENING THE EQUIPMENT TO THE BACKING PLATE, REFER TO THE MOUNTING INSTRUCTIONS FOR THE EQUIPMENT OR TO THE APPROPRIATE DETAIL.
3. CONFIRM LENGTH, HEIGHT & LOCATION OF BACKING PLATE AND NUMBER REQUIRED WITH ITEM TO BE MOUNTED.
4. FOR ITEMS OVER 1'-4" WIDE, THE DETAIL MAY BE REPEATED AS NECESSARY.

E4 BACKING PLATE - TYPE 'C'
1" = 1'-0"

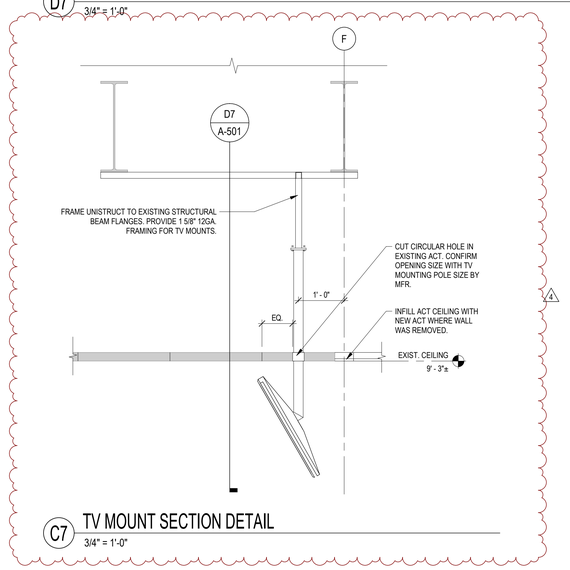


NOTE: SEE FINISH SCHEDULE FOR FINISHES.

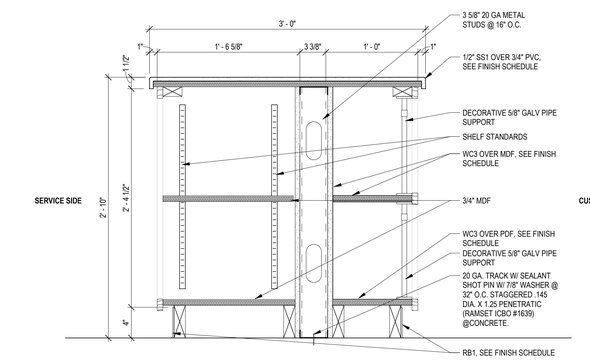
B1 CASEWORK AT COOLERS
1 1/2" = 1'-0"



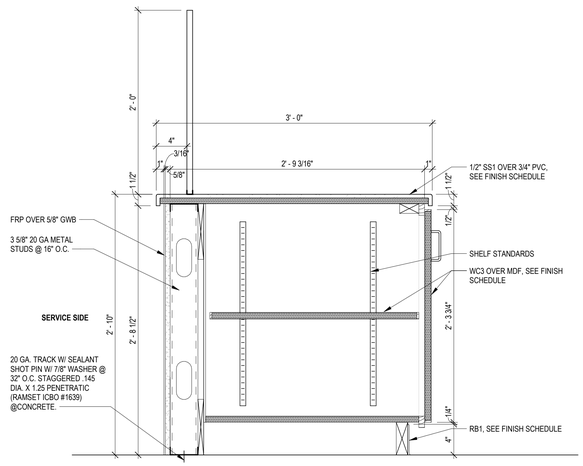
D7 TV MOUNT SECTION DETAIL
3/4" = 1'-0"



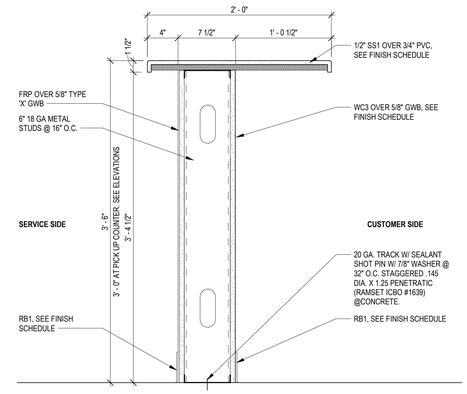
C7 TV MOUNT SECTION DETAIL
3/4" = 1'-0"



A1 CASEWORK SECTION AT POS
1 1/2" = 1'-0"



A3 CASEWORK SECTION AT CONDIMENT COUNTER
1 1/2" = 1'-0"



A6 BAR SECTION
1 1/2" = 1'-0"

GRAPHIC SCALE

3/4"=1'-0" — 0, 6", 1', 2', 3', 4'

1"=1'-0" — 0, 3", 6", 9", 1', 2', 3'

1 1/2"=1'-0" — 0, 3", 6", 9", 1', 2'

SGU REGIONAL AIRPORT

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION

TERMINAL RENOVATION
4550 S AIRPORT PKWY
ST. GEORGE, UTAH 84790
A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID
4	AJR	01/29/2024	ADDENDUM #3

ISSUED FOR BID

STATE OF UTAH — ANDREW J. REMSTAD — No. 8845747-0301 — 12/21/2023 — LICENSED ARCHITECT

ANDY J REMSTAD | 8845747-0301 | 12/21/2023
NAME | REG. NO. | DATE
FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: Author | CHECKED: C. Checker | APPROVED: A. Approver

PROJECT NUMBER: 10016873.00

CASEWORK AND MISCELLANEOUS DETAILS

A-501

A-501 CASEWORK AND MISCELLANEOUS DETAILS.dwg Autodesk Docs://Jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt 1/29/2024 11:55:01 AM

FINISH LEGEND

TAG	MATERIAL	MANUFACTURER	STYLE / TYPE	COLOR / FINISH	SIZE	INSTALLATION
ACT1	ACOUSTIC CEILING TILE	ARMSTRONG	CALLA HEALTH ZONE 2232 / 9/16" SQUARE TEGULAR	WHITE	24"W X 24"L X 1"D	
FRP	FIBERGLASS REINFORCED PLASTIC PANELS	CRANE COMPOSITES	GLASBORD WALL PANELS / PEBBLED EMBOSSED TEXTURE	WHITE. 85. SURFASEAL	48"W X 10'-0"H X .05"D	
PNT1	WALL PAINT	SHERWIN WILLIAMS	COLOR MATCH EXISTING	SEMI-GLOSS	-	
PNT2	DOOR AND FRAME PAINT	SHERWIN WILLIAMS	COLOR MATCH EXISTING	SEMI-GLOSS	-	
RB1	RESILIENT WALL BASE	TARKETT/JOHNSONITE	-	SANDALWOOD #45	4TH	
SC1	SEALED CONCRETE	W.R. MEADOWS	VOCOMP-25	-	-	SEAL EXISTING CONCRETE
SS1	SOLID SURFACE COUNTERTOP	ARISTECH SURFACES	STUDIO COLLECTION	COPPER CANYON #8570	1/2" THICK	
SSB1	STAINLESS STEEL WALL BASE	CRANE COMPOSITES	SANI-BASE	-	-	
TS1	TRANSITION STRIP - TILE TO CARPET	ASSA ABLOY	PEMKO HALF SADDLE / OFFSET SADDLE THRESHOLD	DARK BRONZE ANODIZED ALUMINUM	V.I.F.	CONFIRM MODEL TYPE NEEDED IN FIELD
TS2	TRANSITION STRIP - TILE TO TILE	ASSA ABLOY	PEMKO SADDLE THRESHOLD	DARK BRONZE ANODIZED ALUMINUM	V.I.F.	CONFIRM MODEL TYPE NEEDED IN FIELD
TS3	TRANSITION STRIP - CARPET TO CONCRETE	SCHLUTER	RENO-U	STAINLESS STEEL	-	CONFIRM HEIGHT WITH EXISTING CARPET
WC1	WALL COVERING	CONSTRUCTION SPECIALTIES	ACROVYN WALL COVERING	WOODGRAIN 1609 WHITE PAPYRUS	.06" THICK	
WC2	WALL COVERING	CONSTRUCTION SPECIALTIES	ACROVYN WALL COVERING	WOODGRAIN 373 AMBER CHERRY	.06" THICK	
WC3	WALL COVERING	CONSTRUCTION SPECIALTIES	ACROVYN WALL COVERING	WOODGRAIN 1611 WARM BEIGE PAPYRUS	.06" THICK	

FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL MATERIAL	WALL FINISH	CEILING MATERIAL	CEILING FINISH	NOTES
201	LOUNGE	EXIST	EXIST	GWB / EXIST	PNT1 / EXIST	EXIST	EXIST	
202	KITCHEN	SC1	SSB1	GWB / EXIST	FRP	ACT1	-	1, 2
203	BAR	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX001	STAIR #1	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX002	STAIR #2	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX206	PLAN	SC1	EXIST	EXIST	FRP	EXIST	EXIST	1
EX207	BREAK	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX210	WOMEN	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX211	ELEVATOR LOBBY	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX212	MEN	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX213	VESTIBULE	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX214	MECHANICAL STORAGE	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	

FINISH SCHEDULE NOTES

1. EXISTING FLOOR FINISH TO BE REMOVED. SEAL EXISTING CONCRETE.
2. EXISTING CEILING TILES ABOVE KITCHEN AREA TO BE REMOVED AND REPLACED WITH TILE TYPE LISTED. THE CEILING GRID IS EXISTING TO REMAIN.

DOOR SCHEDULE

DOOR NO.	DOOR TYPE	DOOR SIZE WIDTH	SIZE HEIGHT	SIZE THICKNESS	DOOR MATERIAL	DOOR FINISH	DOOR UNDER CUT	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	RATING STC	RATING FIRE	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	HARDWARE NO.	DOOR NOTES
161	D2	6' - 0"	7' - 0"	0' - 1 3/4"	HM	PNT2		F1	HM	PNT2	-	-	C1 / A-701	C2 /A-701	-	1	1
162	D3	6' - 0"	7' - 0"	0' - 1 3/4"	-	-		-	-	-	-	90 MIN.	-	-	-	3	2,3
215	D3	6' - 0"	7' - 0"	0' - 1 3/4"	-	-		-	-	-	-	90 MIN.	-	-	-	3	2,3
EX002	D1	3' - 0"	7' - 0"	0' - 1 3/4"	EXIST.	EXIST.		F1	EXIST.	EXIST.	-	-	-	-	-	2	4

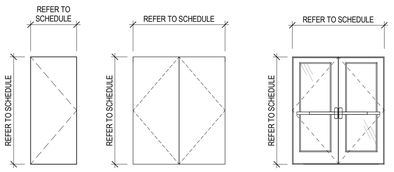
DOOR NOTES:
1. MATCH ADJACENT METAL DOOR COLOR.
2. B.O.D. TO BE SAFTIFIRST 90 MIN. FIRE RESISTIVE GPX PAIR DOORS, 500-DP-90R-IIXL, 5" FIRE RESISTIVE GPX PAIR DOOR WITH SUPERLITE II-XL 90- INTERIOR APPLICATION. CONFIRM DOOR SIZE WITH MFR. INSTALL PER MFR INSTALATION RECOMMENDATION.
3. EACH DOOR TO RECEIVE ELECTROMAGNETIC DOOR HOLDER AND FIRE-SAFETY AUTOMATIC RELEASING DEVICE. B.O.D. TO BE SECURITY DOOR CONTROLS EH SERIES, MODEL #EH3024120A. SEE ELECTRICAL DRAWINGS.
4. ACCESS CONTROL TO MATCH EXISTING. B.O.D. TO BE HID iCLASS RK40 SE STANDARD PROFILE KEYPAD READER, TERMINAL STRIP, 921NTNTEK00000.

HARDWARE SCHEDULE

HW. GROUP	DOORS		
HW 1	161		
6	HINGES	BB31 4 1/2 X 4 1/2 US26D	CR
2	POWER TRANSFER	CRPT-10 AL	CR
2	CLOSER	CR441xCR3077SPAS AL	CR
2	EXIT DEVICE	3547A EL RX LD EO 315 3'	VD
2	PULL HANDLE	392-6	IV
2	TRIM	ICCVRESC05 US26D	CR
1	POWER SUPPLY	CRPS2	CR
ACCESS CONTROL BY SECURITY CONTRACTOR			
HW 2	EX002		
EXISTING HARDWARE ACCESS CONTROL BY SECURITY CONTRACTOR			
HW 3	162, 215		
6	HINGES	BY MFR.	
2	ELEC. CLOSER	CR441EHO 689	CR
2	EXIT DEVICE	SVR AF7760V US32D	CR
2	TRIM	ESC7700 US32D	CR
2	KICKPLATE	10"X2" LDW US32D	CR
BOTTOMS, WEATHERSTRIPPING, AND STILES BY MFR.			

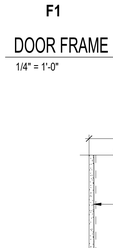
MANUFACTURERS IN HARDWARE SET FOR BASIS OF DESIGN

CR	CAL-ROYAL
IV	IVES
VD	VON DUPRIN



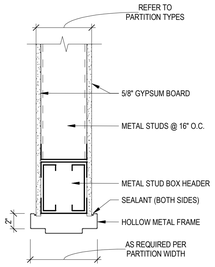
D1 D2 D3

DOOR TYPES
1/4" = 1'-0"

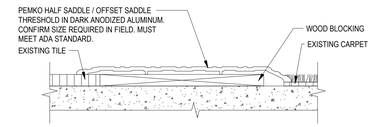


F1

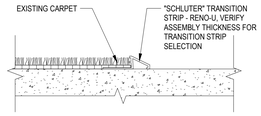
DOOR FRAME
1/4" = 1'-0"



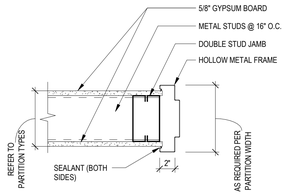
C1 DOOR HEAD DETAIL
1 1/2" = 1'-0"



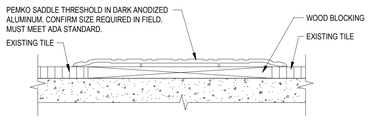
B1 TILE TO CARPET TRANSITION (TS1)
6" = 1'-0"



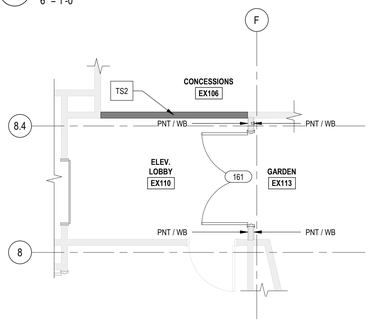
A1 CARPET TO CONCRETE TRANSITION (TS3)
6" = 1'-0"



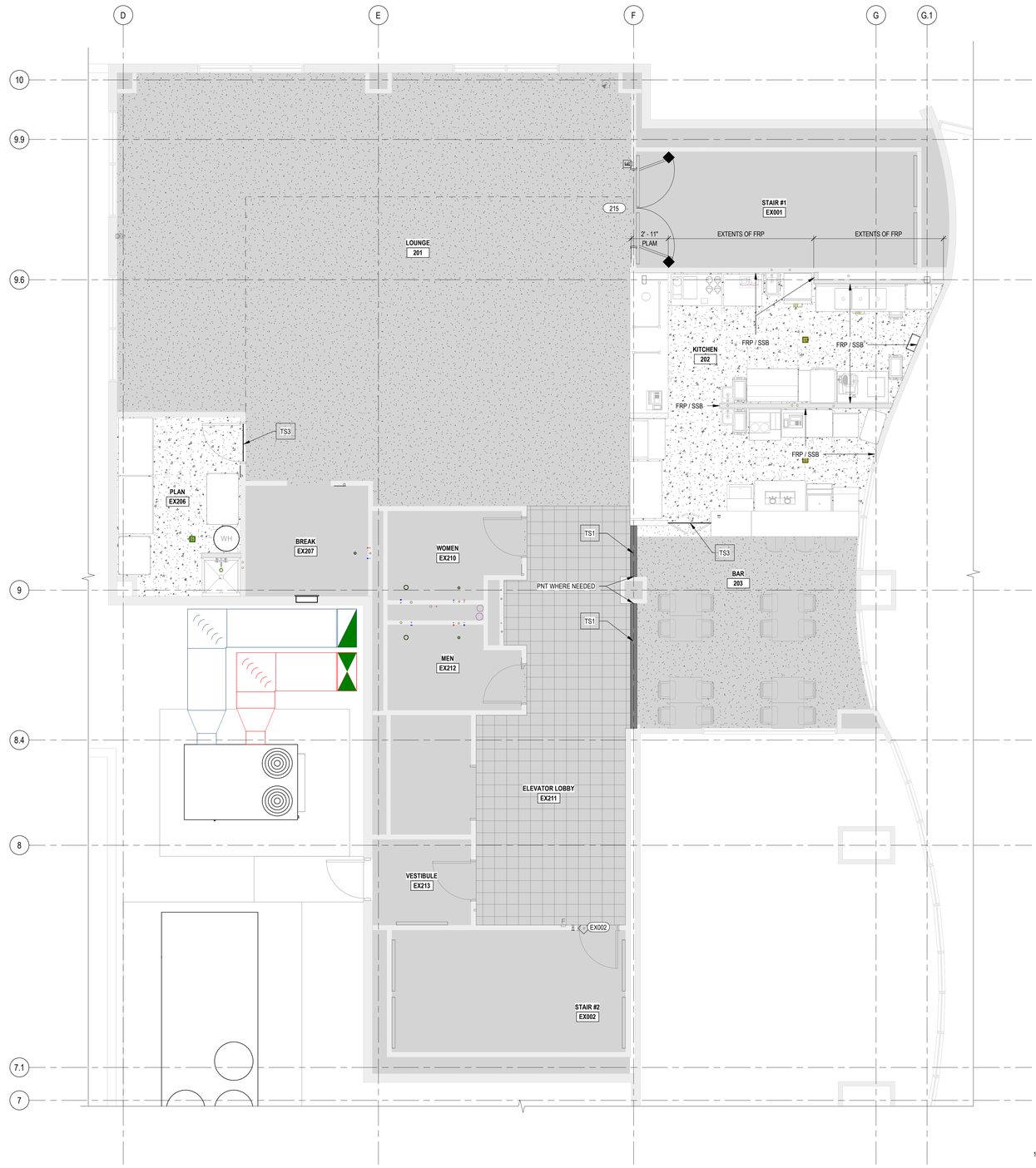
C2 DOOR JAMB DETAIL
1 1/2" = 1'-0"



B2 TILE TO TILE TRANSITION (TS2)
6" = 1'-0"



A2 FIRST FLOOR FINISH PLAN
1/4" = 1'-0"



A4 SECOND FLOOR FINISH PLAN
1/4" = 1'-0"

GENERAL SHEET NOTES:

A. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.
B. ALL EXISTING MATERIALS TO REMAIN WHICH ARE DAMAGED OR OTHERWISE DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE PATCHED AND REPAIRED TO MATCH EXISTING ADJACENT MATERIALS SO THAT REPAIR IS IMPERCEPTIBLE.
C. ON ALL ARCHITECTURAL SHEETS, ALL MATERIALS NOTED ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING. ALL MATERIALS NOTED AS EXISTING SHALL REMAIN UNLESS SPECIFICALLY NOTED TO BE REMOVED. SEE DEMOLITION AND NEW WORK NOTES FOR SPECIFIC NOTES.
D. ALL FLOOR FINISH TRANSITIONS SHALL BE CONCEALED BY A CLOSED DOOR.
E. HATCH PATTERNS ON FINISH PLANS ARE REPRESENTATIONAL ONLY TO DISTINGUISH COLOR CHANGES, UNLESS OTHERWISE NOTED.
F. ALL FLOORS ON EITHER SIDE OF A DOORWAY OR OPENING SHALL BE LEVEL AND HAVE MAXIMUM ELEVATION DIFFERENCE OR THRESHOLD HEIGHT OF 1/2".
G. DOOR OPENINGS NOT LOCATED BY DIMENSION SHALL BE 4" FROM THE FACE OF STUD TO FACE OF STUD OF DOOR FRAME JAMB UNLESS NOTED OTHERWISE.
H. DOOR SIZES, STYLES, AND SPECIFICATIONS, ROUGH OPENING SIZES AND EXACT LOCATIONS TO BE CHECKED AND VERIFIED BY THE CONTRACTOR BEFORE ORDERING AND BEFORE CONSTRUCTION BEGINS.

LEGEND:

- EXISTING CARPET
- EXISTNG TILE
- SC1 (EXISTING CONCRETE TO BE SEALED)

PLAN NORTH

GRAPHIC SCALE

1/4"=1'-0" — 0 2' 4' 8' 12'
1 1/2"=1'-0" — 0 3" 6" 9" 1' 2'
6"=1'-0" — 0 1" 2" 3" 6"

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID
3	AJR	01/22/2024	ADDENDUM #2
4	AJR	01/29/2024	ADDENDUM #3

ISSUED FOR BID

STATE OF UTAH — ANDREW J. REMSTAD — No. 8845747-0301 — 12/21/2023 — LICENSED ARCHITECT

ANDY J REMSTAD 8845747-0301 12/21/2023
NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: RCS CHECKED: AMA APPROVED: AJR

PROJECT NUMBER: 10016873.00

FINISH PLAN & SCHEDULE, DOOR SCHEDULE & DETAILS

A-701

Autodesk Docs://Jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt
A-701 FINISH PLAN & SCHEDULE, DOOR SCHEDULE & DETAILS
12/21/2023 11:57:32 AM

ADDENDUM NO. 3
TO
CONTRACT DOCUMENTS, SPECIFICATIONS AND PLANS
FOR IMPROVEMENTS TO THE
ST. GEORGE REGIONAL AIRPORT
ST. GEORGE, UTAH
TERMINAL RENOVATION
SCHEDULE I – TERMINAL RENOVATION
SCHEDULE II – TENANT KITCHEN EQUIPMENT
INQUIRY #23-164

To All Bidders: You are requested to make all changes and/or additions contained in this addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal shall result in rejection of bid. Bidders are informed that the above referenced Contract Documents, Specifications and Plans are modified as follows as of January 29, 2024:

BID OPENING DATE & TIME

A. Date: Friday, February 2, 2024 at 2:00 P.M. (Local Time) *Bid Opening date shall be pushed back in Addendum #3.
B. Opened at: St. George Regional Airport
4550 South Airport Parkway
St. George, UT 84770
C. Bid security: 5% of bid amount
D. Bid proposal: Complete and Submit Division 2 Documents.
E. Award: The project award will be based on the low bid and at the discretion by the Owner. The project award is contingent on the availability of funding.

Sealed PROPOSALS will be received for the construction of the **SGU TERMINAL RENOVATION PROJECT,** Inquiry #23-164, located at the St. George Regional Airport, St. George, Utah. PROPOSALS must be submitted in a sealed envelope prior to **2:00 pm (MDT), until Friday, February 2, 2024** to:

The City of St. George, Purchasing Department
ATTN: Mary Wahl, Purchasing Manager
175 East 200 North, St. George, Utah, 84770

Each sealed envelope containing a PROPOSAL must be plainly marked on the outside **SGU Terminal Renovation Project, Inquiry #23-164**.

The PROPOSALS shall be opened in an electronic meeting. Notice for the PROPOSAL opening shall be sent to everyone on the Plan Holders List prior to the PROPOSAL opening. Please note that any late proposals for any reason will NOT be accepted.

CONTRACT DOCUMENTS/SPECIFICATIONS

1. Public Notice: Bid date has been re-scheduled to Friday, February 2nd at 2:00pm local time.

PLANS

1. G-002 GENERAL NOTES – corrected note on submittals
2. AD102 SECOND FLOOR DEMO PLAN – revised note on removal of existing wall and ceiling condition.
3. A-401 ENLARGED FLOOR PLANS – door tag has been corrected.
4. A-501 CASEWORK AND MISC. DETAILS – revised detail C7/A-501
5. A-701 FINISH PLAN AND SCHEDULE – updated sealed concrete information

QUESTIONS

1. For the items in this project that are existing, what division will be responsible for removing and relocating each item? i.e. pepsi cooler, grab 'n' go, work top freezer, draft beer cooler, coffee, and espresso machines equipment.

   Answer: **The General Contractor will be responsible for removing and relocating each item. Items to be stored in nearby SRE building.**

2. Addendum 1 mentions 140 calendar day schedule. Page 10 of the specifications say 140 working days. Please clarify the working day and calendar day expectation.

   Answer: **The intent is for 140 calendar days not working days. The calendar days will not start until the contractor has enough materials to sustain a continual construction without any lead time delays. The Tenant Tailwinds is not expecting any long lead times on the equipment.**

3. Please clarify this note on AD102: "Remove existing wall up to height of ACT. Patch with gypsum and paint." - What is the existing wall? Do we need to put in a new wall with studs?

   Answer: **The intent is for a smooth transition between the 2 existing ACT ceilings. The existing wall framing shall be removed as necessary above the ceiling. Contractor to provide a ceiling transition strip to cover gap.**

4. Question with this note on AD102: "Remove operable partition and wing walls," – Is operable partition between the two wing walls? Or does it span the length of the room?

   Answer: **The operable partitions span length of room. Remove the partitions and walls in full.**



5. Please clarify note #2 under Submittals on G-002: Currently it says, "The contractor shall provide material submittals for the engineer's approval at least seven (10) days prior to ordering." - Is the timeline seven days or ten days?

   Answer: **Submittals note has been corrected to 7 days.**

6. On the spec it shows that for flooring on room 202 and EX206 that contractor will remove existing flooring and existing concrete will be sealed. My question is what do they want it sealed with? Or are they looking for polished concrete? As there is no specification listed for system or materials requested. Because an existing floor will need to be removed grinding will be required to obtain a clean substrate for either system. They can easily do a polished concrete system but as far as sealers go, they could utilize solvent acrylic, water-based acrylic, polyurethane, ect and these products all carry different costs, and functionality. We want to make sure we are bidding appropriately and achieving their goals.

   Answer: **A-701 has been updated to include a concrete sealer basis of design: W.R. Meadows VOCOMP – 25 water based, acrylic concrete curing and sealing compound. A clean substrate will be required before any sealer is installed.**

7. Is door call-out 161 on sheet A-101 (at gridlines F & 8) and the door call-out 110 on sheet A-401 detail A1 the same door?

   Answer: **Sheet A-401 has been corrected to door 161.**

8. In the bid documents, division 2-11 thru 14 is the form "MAJOR SUBCONTRACTORS LISTING". Is it possible to send this form in 24 hours after the bid time? If not even 1 or 2 hours after bid time would help in the rush of putting the bid together.

   Answer: **Yes, list of major subcontractors may be submitted up to 24 hours after the bid.**

9. Is signage required? We cannot locate a sign schedule.

   Answer: **Yes, an updated Occupancy sign to match existing will be required. Also, a state of Utah 8.5" x 11" Bar sign will be required. Both signs will require an 1/8" x 8.5" x 11" Acrylic panel.**

10. Page 67 under part C special provisions of the specifications there is a requirement for the contractor's superintendent to monitor transceiver radios. Will this be required with the renovation work inside the terminal? Please clarify what type of radios the contractor is to provide that will communicate with the airport personnel?

    Answer: **No airport transceiver radios will be required for the project.**

11. Bid Bond- Confirm that the 5% bid bond is the only bond required during bid submission and that the 100% payment and performance bond is required prior to NTP or are all 3 required with the proposal?

    Answer: **Yes, bid bond will be required with the submission. The successful bidder will be required to furnish separate performance and payment bonds prior to the NTP. Refer to division 1-7 for further awarding contract instructions.**

12. Site fencing- For temporary site fencing will chain link be adequate or does contractor need to screen the fence?

    Answer: **A chain link fence will be adequate for the temporary site fencing.**

13. Sheet G-004 shows 0 hour rating for walls and floors. The general notes on G-002 reference to firestop all floors, walls and ceilings as required by code. Is fire stop required at any penetrations?

    Answer: **The floors are not rated do not require any firestopping penetrations through fire rated floors. If penetrations occur through a fire rated wall assembly, they will require firestopping.**

14. P101- after saw cutting the existing floor to install the new 3" grease line the flooring will need to be replaced or repaired. Unable to locate flooring types in the following rooms- EX101, EX103A, EX104A, EX102, EX105, EX106 and EX107. Is there attic stock of existing flooring materials available for use?

    Answer: **All plumbing line installation work is to be done underneath the second floor from the first floor during off hours of airport operations.**

**** END OF ADDENDUM NO. 3**

NO FURTHER ADDENDUMS WILL BE ISSUED **

GENERAL NOTES

1. IF DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, OR REPRESENT A SIGNIFICANT DIFFERENCE BETWEEN THE CONTRACT DOCUMENTS AND FIELD CONDITIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.

2. ALL CONTRACTORS SUBMITTING BID PROPOSALS FOR THIS PROJECT ARE REQUIRED TO VISIT THE SITE PRIOR TO BIDDING TO VERIFY EXISTING CONDITIONS AND FEASIBILITY OF DESIGN INTENT OF THESE CONSTRUCTION DOCUMENTS (CONSTRUCTION DRAWINGS AND SPECIFICATIONS). ANY VARIATION IN SITE CONDITIONS AND CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE'S ATTENTION IN WRITING IMMEDIATELY AND (5) BUSINESS DAYS PRIOR TO BID DATE, THE SUBMISSION OF BID PROPOSAL'S SHALL BE CONSIDERED EVIDENCE THAT THE CONTRACTOR HAS VISITED THE SITE, VERIFIED ITS CONDITIONS AND IS PREPARED TO PERFORM WORK AS INTENDED IN THESE DOCUMENTS. NO EXTRA PAYMENT'S SHALL BE ALLOWED DUE TO THE CONTRACTORS CLAIMS FOR EXTRA WORK REQUIRED BY THEIR FAILURE TO VISIT THE SITE.

3. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.

4. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE BEFORE CONTINUING WITH THE WORK.

5. EACH CONTRACTOR IS RESPONSIBLE FOR COORDINATING THEIR WORK WITH ALL SURROUNDING CONSTRUCTION ELEMENTS AND TRADES AFFECTED.

6. EACH CONTRACTOR IS RESPONSIBLE FOR CREATING ALL OPENINGS, PENETRATIONS, LINTELS, ETC. AS REQUIRED TO PERFORM THEIR PORTION OF WORK. AT FIRE RATED PARTITIONS, CLOSE OPENINGS / PENETRATIONS / ETC. WITH FIRESTOPPING THAT MATCHES OR EXCEEDS THE PARTITION RATING.

7. ALL ITEMS REQUIRING COLOR SELECTION SHALL BE SELECTED BY THE CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE DURING THE SUBMITTAL REVIEW FROM MANUFACTURERS' STANDARD OR FULL RANGE (AS DIRECTED IN SPECIFICATION) OF COLORS.

8. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR THE COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS AS REQUIRED TO PERFORM THE WORK AS CALLED FOR, SHOWN AND REASONABLY IMPLIED IN THE CONTRACT DOCUMENTS.

9. WHENEVER, IN THE CONTRACT DOCUMENTS, THE WORDS "PROVIDE", "FURNISH", "INSTALL", "FURNISH AND INSTALL", OR SIMILAR WORDS ARE USED, IT SHALL BE UNDERSTOOD THAT THE INTENT OF THE CONTRACT DOCUMENTS IS TO PROVIDE FOR THE CONSTRUCTION AND COMPLETION IN EVERY DETAIL THE WORK DESCRIBED. IT SHALL BE UNDERSTOOD "TFCI" SHALL MEAN TENANT FURNISHED CONTRACTOR INSTALLED, AND "CFCI" SHALL MEAN CONTRACTOR FURNISHED CONTRACTOR INSTALLED. IT IS FURTHER INTENDED THAT THE CONTRACTOR SHALL FURNISH ALL LABOR, SUPERVISION, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, SUPPLIES, TESTING, AND INCIDENTALS REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE DRAWINGS (PLANS), SPECIFICATIONS, AND TERMS OF THE CONTRACT.

10. FINISH AND PAINT WALLS BEFORE INSTALLING CASEWORK, EQUIPMENT, FIXTURES, ELEC. PANELS, BOXES, SURFACE CONDUIT, ETC., IF APPLICABLE.

11. CONTRACTOR TO INSTALL WOOD OR METAL BLOCKING FOR ALL CASEWORK, EQUIPMENT, HANDRAILS, BATH ACCESSORIES, FIXTURES, ETC. AS RECOMMENDED BY MANUFACTURER, IF NOT OTHERWISE SHOWN HEREIN.

12. CONTRACTOR SHALL KEEP A SET OF AS-BUILT DRAWINGS ON-SITE AND MAKE AVAILABLE TO THE ENGINEER AT ALL TIMES. AS-BUILT SET SHALL BE SUBMITTED TO THE ENGINEER AT THE COMPLETION OF THE JOB. CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING ALL AS-BUILT INFORMATION DURING THE PROJECT. THE CONTRACTOR SHALL NOTE, AND BRING TO THE ENGINEER'S ATTENTION, ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND ACTUAL FIELD CONDITIONS.

13. IF DISCREPANCIES BETWEEN PLANS OR SPECIFICATIONS OCCUR THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE TREAT ANYTHING MENTIONED IN THE SPECIFICATIONS BUT NOT SHOWN ON THE DRAWINGS OR SHOWN ON THE DRAWINGS BUT NOT INCLUDED IN THE SPECIFICATIONS AS IF SHOWN OR MENTIONED IN BOTH. IF DISCREPANCIES BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE SPECIFICATIONS TAKE PRECEDENCE.

14. FOR INSTALLATION OF ALL WORK WHICH IS DEPENDENT ON CONDITION OF SUBSTRATE, CAREFULLY INSPECT AND VERIFY SUITABILITY OF SUBSTRATE FOR INSTALLATION OF WORK. DO NOT INSTALL WORK OVER UNSUITABLE OR UNACCEPTABLE SUBSTRATES. CORRECT UNACCEPTABLE SUBSTRATES BEFORE INSTALLING WORK. CONTRACTOR IS RESPONSIBLE FOR ALL GRINDING, LEVELING, SANDING, PATCHING, ETC. TO CORRECT ALL EXISTING SURFACES TO PREPARE FOR NEW FINISHES. ALL NEW FINISHED AND PATCHED SURFACES SHALL BE SMOOTH, CONTINUOUSLY FREE OF IMPERFECTIONS AND IN PROPER CONDITION TO RECEIVE THE SPECIFIED FINISH. PATCHED AREAS SHALL MATCH THE ADJACENT MATERIALS CONSTRUCTION AND FINISH.

15. MOUNTING HEIGHTS OF ELECTRICAL, PLUMBING, MECHANICAL, AND OTHER DEVICES SHALL COMPLY WITH HEIGHTS INDICATED ON DRAWINGS. NOTIFY CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE IF CONFLICTS ARE ENCOUNTERED.

16. ALL DAMAGE TO UTILITIES, PAVEMENT, EQUIPMENT, OR STRUCTURES FROM CONSTRUCTION ACTIVITIES SHALL BE IMMEDIATELY REPORTED TO THE RESIDENT ENGINEER. THE RESIDENT ENGINEER SHALL DETERMINE WHETHER REPAIR OR REPLACEMENT IS NECESSARY. ALL REPAIR METHODS SHALL BE SUBMITTED TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INITIATING THE WORK. REPAIRS SHALL BE MADE AT NO ADDITIONAL COST TO THE SPONSOR AND TO THE APPROVAL OF THE ENGINEER.

17. ALL EXPOSED CONCRETE FLOORS SHALL BE CLEANED AT THE END OF PROJECT AND HAVE A 2ND COAT OF SEALER APPLIED.

18. DESIGNS CONTAINED HEREIN ARE BASED ON SPECIFIED EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REDESIGN FOR EQUIPMENT SUBSTITUTIONS TO THE APPROVED SPECIFICATIONS AT NO ADDITIONAL COST TO THE SPONSOR. THE CONTRACTOR SHALL PROVIDE MATERIAL SUBMITTALS,SAMPLES AND DESIGN DRAWINGS FOR THE ENGINEER'S APPROVAL A MINIMUM OF SEVEN (7) DAYS PRIOR TO ORDERING.

19. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF PUBLIC IMPROVEMENTS SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER.

20. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO ORDERING OR FABRICATION OF MATERIALS OR THE BEGINNING OF CONSTRUCTION. NOTIFY ARCHITECT AND OWNER REPRESENTATIVE OF ALL DISCREPANCIES. ALL WORK REQUIRING MEASURING TO BE DONE ACCORDING TO FIGURES ON DRAWINGS. DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND DRAWINGS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND OWNER REPRESENTATIVE. CONTRACTOR TO SUBMIT SPECIFIC DISCREPANCY FOR ARCHITECT REVIEW, PRIOR TO COMMENCING WITH THE WORK IN QUESTION.

21. THE CONTRACTOR SHALL ARRANGE FOR THE PREMISES TO BE MAINTAINED IN AN ORDERLY MANNER, FREE OF DUST AND DEBRIS,THROUGHOUT THE COURSE OF THE WORK. PROVIDE AND MAINTAIN TEMPORARY BARRICADES AS REQUIRED TO PROTECT THE PUBLIC AND OWNERS PERSONNEL DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING STRUCTURE OR EQUIPMENT. ANY SUCH DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

22. CONTRACTOR SHALL PROVIDE DAILY OR MORE FREQUENT GENERAL CLEAN UP IN COMPLIANCE WITH OWNER'S REQUIREMENTS OF AREAS WITHIN THE LIMITS OF CONSTRUCTION, AND FINAL CLEAN UP AT CONCLUSION OF WORK.

23. ALL MATERIALS, FIXTURES AND EQUIPMENT INDICATED IN THE CONSTRUCTION DOCUMENTS SHALL BE NEW AND AS SPECIFIED, UNLESS IDENTIFIED OTHERWISE.

24. FIRE STOP ALL FLOORS, WALLS AND CEILINGS AS REQUIRED BY APPLICABLE CODE.

25. PROVIDE FIRE EXTINGUISHER COMPLYING WITH NFPA 10, AS INDICATED ON LIFE SAFETY DRAWINGS WITH MAX TRAVEL DISTANCE OF 75'.

26. THE LOCATIONS OF EXISTING UTILITIES HAVE BEEN PREPARED FROM DOCUMENTS PROVIDED BY THE OWNER AND MAY NOT REPRESENT THE ACTUAL FIELD CONDITIONS. CONTRACTOR TO REVIEW ALL OWNER DOCUMENTS AND BECOME FAMILIAR WITH ALL EXISTING UTILITIES. THE CONTRACTOR HAS THE RESPONSIBILITY TO VERIFY LOCATIONS IN THE FIELD BY EMPLOYING FIELD UTILITY LOCATING SERVICES BEFORE CONSTRUCTION STARTS, AND COORDINATE ALL NEW UTILITY LOCATIONS, CONNECTIONS AND PENETRATIONS.

27. FOR THE SUBCONTRACTOR SHALL VERIFY AND COORDINATE, WITH ALL TRADES, THE SIZES AND LOCATIONS OF ALL OPENINGS FOR MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT, EQUIPMENT PADS, OR BASES AS WELL AS POWER, WATER, AND DRAIN INSTALLATIONS BEFORE PROCEEDING WITH WORK. SUBCONTRACTOR SHALL PROVIDE COORDINATION DRAWINGS FOR PROPER PLACEMENT OF ALL TRADES' WORK. ALL CONCERNS, SPACE LIMITATIONS OR STRUCTURAL CONFLICTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT, PRIOR TO COMMENCING WITH THE WORK IN QUESTION.

28. IT IS THE SUBCONTRACTOR'S RESPONSIBILITY TO COORDINATE AND LOCATE ELECTRICAL, DATA, AND PHONE RECEPTACLES, SWITCHES, ETC. TO AVOID CONFLICTS WITH CASEWORK, DOORS, AND OTHER TRADE.

PERMITTING

1. PRELIMINARY PERMITTING INFORMATION WILL BE SUBMITTED BY THE RPR PRIOR TO AWARD OF CONTRACT. SPECIFIC ITEMS THAT WILL NEED TO BE COMPLETED BY THE CONTRACTOR INCLUDE BUT ARE NOT LIMITED TO SUPPLYING NECESSARY BONDING, PAYMENT OF ALL FEES, REVIEW OF ALL CALCULATIONS AND ASSUMPTIONS MADE BY THE RPR PRIOR TO AWARD. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO, AN FAA 7460-1 NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION, A NPDES STORMWATER PERMIT, AND A FUGITIVE DUST PERMIT. THE CONTRACTOR SHALL BE RESPONSIBLE TO PAY FOR THE COST TO OBTAIN ALL PERMITS.

2. THE CONTRACTOR SHALL SUBMIT A COPY OF ALL PERMITS REQUIRED FOR THE PROJECT TO THE RPR, FOR HIS REVIEW.

SITE ACCESS AND STAGING

1. THE CONTRACTOR IS REQUIRED TO OBTAIN A WATER METER FROM THE CITY OF ST. GEORGE WATER DIVISION FOR ACCESS TO CONSTRUCTION WATER FROM AN ON AIRPORT LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE TO PAY FOR WATER USED.

2. DURING CONSTRUCTION, THE CONTRACTOR SHALL MINIMIZE DISTURBANCES TO ALL CONSTRUCTION AREAS AND ACCESS ROUTES. THIS INCLUDES EQUIPMENT AND VEHICULAR RUTS CREATED IN ANY PAVEMENTS, ANY HAUL/ACCESS ROADS, OR ANY INFIELD/SAFETY AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES OR ROADS. REPAIRS SHALL BE MADE AT NO ADDITIONAL COST TO THE SPONSOR AND TO THE SATISFACTION OF THE ENGINEER. HAUL ROUTE BRIDGES SHALL BE CONSTRUCTED AT HAUL ROUTES CROSSING EXISTING AIRFIELD PAVEMENT. COSTS ASSOCIATED WITH HAUL BRIDGE CONSTRUCTION WILL BE CONSIDERED INCIDENTAL TO THE BUILDING CONSTRUCTION.

3. BEFORE ESTABLISHING SITE ACCESS AND HAUL ROUTES, THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER. WHEN POSSIBLE, ACCESS/HAUL ROUTES SHALL UTILIZE EXISTING ROADS. THE CONTRACTOR SHALL MAINTAIN AIRPORT SECURITY AT ALL TIMES.

4. ALL DAMAGE TO UTILITIES, PAVEMENT, EQUIPMENT, OR STRUCTURES FROM CONSTRUCTION ACTIVITIES SHALL BE IMMEDIATELY REPORTED TO THE RESIDENT ENGINEER. THE RESIDENT ENGINEER SHALL DETERMINE WHETHER REPAIR OR REPLACEMENT IS NECESSARY. ALL REPAIR METHODS SHALL BE SUBMITTED TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INITIATING THE WORK. REPAIRS SHALL BE MADE AT NO ADDITIONAL COST TO THE SPONSOR AND TO THE APPROVAL OF THE ENGINEER.

5. CONTRACTOR SHALL EXAMINE THE EXISTING PAVEMENTS THAT WILL BE USED FOR HAULING OF MATERIAL AND EQUIPMENT, AND DETERMINE THE PAVEMENTS ABILITY TO WITHSTAND CONTRACTOR OPERATIONS WITHOUT CAUSING DAMAGE TO THE PAVEMENT. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR TO THE APPROVAL OF THE ENGINEER AND AT NO ADDITIONAL COST TO THE SPONSOR.

7. ALL AREAS THAT ARE DISTURBED BY CONTRACTOR OPERATIONS, SHALL BE STERILIZED USING A STERILANT APPROVED BY THE AIRPORT. STERILIZING IS INCIDENTAL TO CONSTRUCTION AND WILL NOT BE PAID SEPARATELY.

8. ALL CONTRACTOR EMPLOYEES SHALL BE REQUIRED TO PARK IN THE CONTRACTORS DESIGNATED STAGING AREA ONLY AND SHALL BE DRIVEN TO THE PROJECT SITE BY DESIGNATED CONSTRUCTION VEHICLES.

9. CRAWLER TRACKED VEHICLES SHALL NOT BE ALLOWED ON PAVED SURFACES. TRACKED VEHICLES MUST BE MOVED ACROSS PAVED SURFACES ON A WHEELED VEHICLE.

10. WHENEVER CONSTRUCTION TRAFFIC IS REQUIRED TO CROSS AN ACTIVE RUNWAY, TAXIWAY, TAXILANE, OR INTERRUPT NORMAL TRAFFIC FLOW ON APRONS OR RAMPS, THE CONTRACTOR SHALL PROVIDE FLAGGERS AT THE CROSSING(S) AS REQUIRED BY THE CONSTRUCTION PHASING DRAWINGS OR AS DIRECTED BY THE ENGINEER OR THE AIRPORT (INCIDENTAL TO ITEM GP-100).

UTILITIES

1. PRIOR TO COMMENCING WORK, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE APPROPRIATE UTILITY AGENCIES, UTILITY NOTIFICATION CENTERS, AND TO FIELD VERIFY THE LOCATIONS AND DEPTHS, THROUGH UTILITY LOCATES AND POTHOLES, OF ALL EXISTING UTILITIES WITHIN THE PROJECT LIMITS, STAGING, AND HAUL ROUTE AREAS.

2. THE EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL NOT BE SCALED FOR EXACT LOCATION. LOCATION OF EXISTING DUCT BANK, CIRCUITING, UTILITIES AND STRUCTURES SHOWN ON THESE DRAWINGS IS BASED ON AVAILABLE INFORMATION AND IS NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL OF THESE ITEMS ARE SHOWN.

3. CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE APPROPRIATE UTILITY AGENCIES WHEN WORKING ON OR WITHIN THE PROXIMITY OF AN AGENCIES UTILITY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.

4. ANY INTERRUPTION OF AN EXISTING SYSTEM OR UTILITY SERVICE SHALL BE COORDINATED AND APPROVED BY THE AIRPORT AND THE AUTHORITY, AGENCY, OR UTILITY HAVING JURISDICTION, PRIOR TO STARTING WORK INCLUDING CONTACTING THE AIRPORT AND FAA.

5. CONTRACTOR IS RESPONSIBLE FOR DAMAGES TO EXISTING UTILITIES. REPAIRS DEEMED NECESSARY BY THE ENGINEER WILL BE COMPLETED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE SPONSOR. SEE SECTION 50-06 OF THE CONTRACT DOCUMENTS FOR ADDITIONAL NOTES REGARDING UTILITY LOCATES.

6. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE CITY, COUNTY, AND ALL UTILITY COMPANIES INVOLVED, WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION, AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY SERVICE.

7. WHERE NEW DUCT BANKS OR OTHER UTILITIES ARE NEAR EXISTING UTILITIES, THE CONTRACTOR SHALL HAND EXCAVATE AROUND THE EXISTING UTILITIES IN ORDER T0 PREVENT DAMAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATELY REPAIRING ANY UTILITY DAMAGED DURING CONSTRUCTION.

8. WHEN INSTALLING NEW UTILITIES UNDER EXISTING PAVEMENT THE CONTRACTOR SHALL NEATLY SAW CUT AND REMOVE THE EXISTING PAVEMENT PRIOR TO INSTALLING THE CONDUIT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY PAVEMENT REMOVED OR DAMAGED DURING THE UTILITY INSTALLATION PROCESS. ALL WORK REQUIRED TO REMOVE AND REPAIR PAVEMENT SHALL BE INCLUDED IN THE BUILDING CONSTRUCTION.

9. THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF THE WATER LINES AND DRY UTILITIES.

10. CONTRACTOR SHOULD EXPECT TO ENCOUNTER WATER IN LIGHT CANS, JUNCTION CANS AND STRUCTURES. CONTRACTOR RESPONSIBLE FOR DEWATERING AT NO ADDITIONAL COST TO THE OWNER.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.

SUBMITTALS

1. THE CONTRACTOR SHALL SUBMIT A DETAILED LISTING OF ALL SUBMITTALS (E.G., MATERIAL CERTIFICATION, AND PRODUCT INFORMATION) AND SHOP DRAWINGS REQUIRED BY THE TECHNICAL SPECIFICATIONS.

2. THE CONTRACTOR SHALL PROVIDE MATERIAL SUBMITTALS FOR THE ENGINEER'S APPROVAL AT LEAST SEVEN (7) DAYS PRIOR TO ORDERING.

1

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID
4	AJR	01/29/2024	ADDENDUM #3

ISSUED FOR BID

STATE OF UTAH
ANDREW J. REMSTAD
No. 8845747-0301
12/21/2023
LICENSED ARCHITECT

ANDY J REMSTAD	8845747-0301	12/21/2023
NAME	REG. NO.	DATE

FOR AND ON BEHALF OF JVIATION, INC.

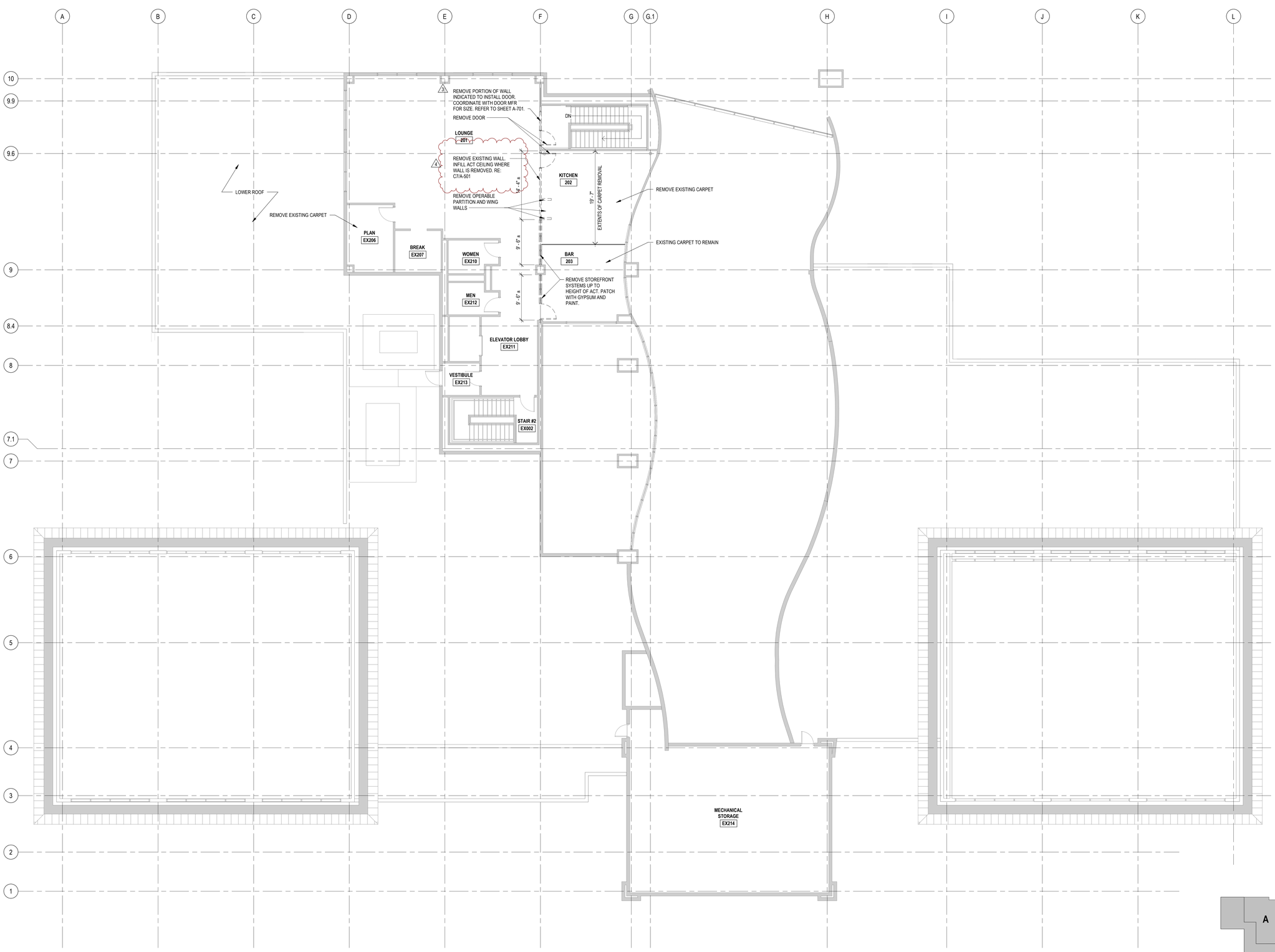
DRAWN: Author	CHECKED: C. Checker	APPROVED: A. Approver

PROJECT NUMBER: **10016873.00**

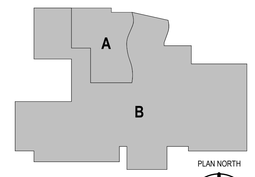
GENERAL NOTES

G-002

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G-002 GENERAL NOTES



A1 SECOND FLOOR DEMOLITION PLAN
1/8" = 1'-0"



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE
1/8"=1'-0"
0 4' 8' 16' 24'

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION
A WOOLPERT COMPANY

TERMINAL RENOVATION

4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID
3	AJR	01/22/2024	ADDENDUM #2
4	AJR	01/29/2024	ADDENDUM #3

ISSUED FOR BID

STATE OF UTAH
ANDREW J REMSTAD
No. 8845747-0301
12/21/2023
LICENSED ARCHITECT

NAME	REG. NO.	DATE
ANDY J REMSTAD	8845747-0301	12/21/2023

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: RCS	CHECKED: AMA	APPROVED: AJR

PROJECT NUMBER: 10016873.00

OVERALL SECOND FLOOR DEMOLITION PLAN

AD102

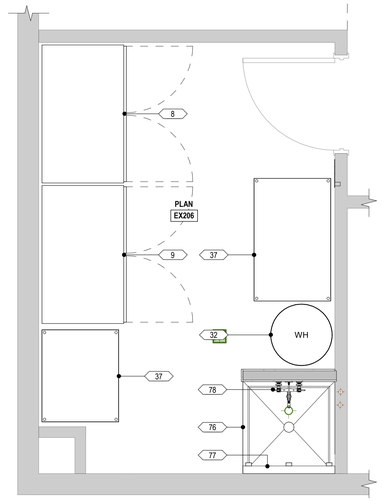
AD102 OVERALL SECOND FLOOR DEMOLITION PLAN 1/29/2024 11:44:10 AM Autodesk Docs://jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt

KITCHEN EQUIPMENT

ITEM NO.	QTY.	ITEM NAME	MANUFACTURER OR EQUAL	MODEL NUMBER	SCHEDULE I CFCI	SCHEDULE II TFCI	SCHEDULE II TFTI	NOTES
1	1	SLIDING GLASS DOOR PEPSI COOLER	RELOCATED	EXISTING F.V.		X		
2	1	GRAB N GO DISPLAY CASE	RELOCATED	EXISTING F.V.		X		
3	2	P.O.S. - CASH REGISTER	VARIES				X	POS DATA LINES - +24" PROVIDE 3 WORKING, PUNCHED DOWN, DATA LINES TO EACH POS AND BACK TO OFFICE LOCATION WHERE OWNER DICTATES. MAKE SURE ALL DATA LINES ARE IN PLACE AND TERMINATED.
4	1	36" WORK TOP FREEZER	RELOCATED	EXISTING F.V.		X		
5	1	36" WORK TOP REFRIGERATOR	AVANTCO OR EQ.	SS-WT-36R		X		
6	1	48" WORK TOP REFRIGERATOR	AVANTCO OR EQ.	SS-WT-48R		X		
7	1	48" FOOD PREP REFRIGERATOR	AVANTCO OR EQ.	SS-PT-48		X		
8	1	2-DOOR REACH-IN REFRIGERATOR	AVANTCO OR EQ.	A-49R-HC		X		
9	1	2-DOOR REACH-IN FREEZER	AVANTCO OR EQ.	A-49R-HC		X		
11	1	48" DRAFT BEER COOLER	RELOCATED	EXISTING F.V.		X		
12	1	12" STAINLESS STEEL DUMP SINK	BK RESOURCES	UB4-21-1014HSS12-P-G		X		
13	1	48" BAR BACK COOLER W/ CASTERS	TRUE	TBB2448GSD-LD		X		
15	2	HAND SINK W/ SPLASH GUARDS HAND TOWEL ROLL DISPENSER SOAP DISPENSER	REGENCY TORK GOJO	HS-12-SP 309606 H-2557		X		
16	1	ICE MAKER	MANITOWOC	URF-0140A		X		HALF DICE ICE
17	1	HIGH VOLUME WATER FILTER	3M	DP190		X		CONNECT TO 16, 24, 25, 31 #16 TO BE FILTERED W/ SCALE TREATMENT
18	1	COUNTERTOP HIGH-SPEED OVEN	UNOX	XASW-03HS-SDDS		X		ADD SECOND OUTLET FOR FUTURE
19	2	BLENDER	VITAMIX	THE QUIET ONE		X		
24	1	COFFEE BREWER	RELOCATED	EXISTING F.V.		X		
25	1	ESPRESSO MACHINE	RELOCATED	EXISTING F.V.		X		
26	1	ESPRESSO GRINDER	RELOCATED	EXISTING F.V.		X		
27	1	MULTI-HOPPER COFFEE GRINDER	RELOCATED	EXISTING F.V.		X		
28	1	SLICER	HOBART	EDGE 13		X		
29	1	3-COMPARTMENT SINK WALL-MOUNT PRE-RINSE FAUCET (3) TWIST WASTE VALVES	ADVANCE TABCO T&S T&S	FC-3-1620-18RL		X		
30	1	48" PREP TABLE W/ SINK, LEFT TWIST WASTE VALVE DECK MOUNT 4" CENTER FAUCET	EAGLE GROUP T&S T&S	5PR-8W12 B-3952		X		
31	1	24" UNDERBAR ICE BIN DOUBLE SS SPEEDRAIL	KROWNE	KR-19-24 RD-24		X		
32	1	HOT WATER HEATER	BY ENGINEER	A.O.SMITH DRE 52	X			LOCATION TO BE BY ENGEINEERING; 24KW IS TYPICAL WITH RECIRC
33	4	TRASH CAN	RUBBERMAID	FG354000			X	
33A	1	UNDERCOUNTER TRASH CAN	RUBBERMAID	2026696		X		
34	1	30"X30" SS TABLE W/ 4" BACKSPLASH & UNDERSHELF	REGENCY OR EQ.	WS-KD SERIES		X		
35	5	STAINLESS STEEL WALL-MOUNTED SHELF	REGENCY OR EQ.	WS-KD SERIES		X		VARYING HEIGHTS AND SIZES; SEE PLANS AND ELEVATIONS
36	5	EPOXY WIRE WALL-MOUNTED SHELF	METRO OR EQ.	EPOXY GREEN		X		VARYING HEIGHTS AND SIZES; SEE PLANS AND ELEVATIONS
37	4	METRO SHELF UNIT	METRO OR EQ.	VARIES		X		CHROME FINISH
39	1	TICKET PRINTER FROM POS					X	DATA TO POS. MAKE SURE ALL DATA LINES ARE IN PLACE AND TERMINATED.
40	1	KNOCK BOX				X		
41	4	AIRPOT				X		
42	1	GLASSWASHER - LOW TEMP	JACKSON	DELTA 5-E		X		
43	1	MUG FROSTER W/ CASTERS	TURBO AIR	TBC24SB-GF-N6		X		
45A	4	WALL-MOUNTED (W/ FIN) SS SPLASH GUARD W/ 1" RADIUS OUTSIDE CORNERS			X			18"H X 18"W
45B	1	WALL-MOUNTED (W/ FIN) SS SPLASH GUARD W/ 1" RADIUS OUTSIDE CORNERS			X			36"H X 24"W
46	2	FLOATING GLASS BATHROOM SHELF FINISH: BRUSHED STEEL	SPANCRAFT GLASS			X		38"W X 8"D
47	5	DROP-IN CUP DISPENSER W/ CAGE	SAN JAMAR	C22108M		X		
70,71	3	42" MONITOR CEILING MOUNTED TV HANGER	INSIGNIA EXPERT MOUNTS	NS-42D510NA15 ITEM# 33CE004		X		MONITOR MENU BOARD DATA LINES IN CEILING AT MONITOR SUPPORT - PROVIDE 1 WORKING, PUNCHED DOWN DATA LINE TO EACH MONITOR SUPPORT
72	1	60" MONITOR CEILING MOUNTED TV HANGER	INSIGNIA EXPERT MOUNTS			X		
76	1	MOP SINK	TERRAZZO WIRE	TRH -363606	X			36"W X36"D
77	1	STAINLESS STEEL UTILITY SHELF MOP HOLDER	BOBRICK	239X34	X			MOUNT AT 64" A.F.F.
78	1	MOP SINK FAUCET	ELKAY	LKB940C	X			
91	1	SELF-CLOSING CAFE GATE, PAIR	ELIASON	PAIR-LWP-CAFE STANDARD		X		ALUMINUM; 38"W X 30" TALL AT 4" A.F.F.
92	2	24"H SNEEZE GUARD				X		
93	1	24"X24" SS CABINET W/ DOOR AND LOCK W/ CASTERS	BK RESOURCES	UBC-2424HL		X		

LEGEND

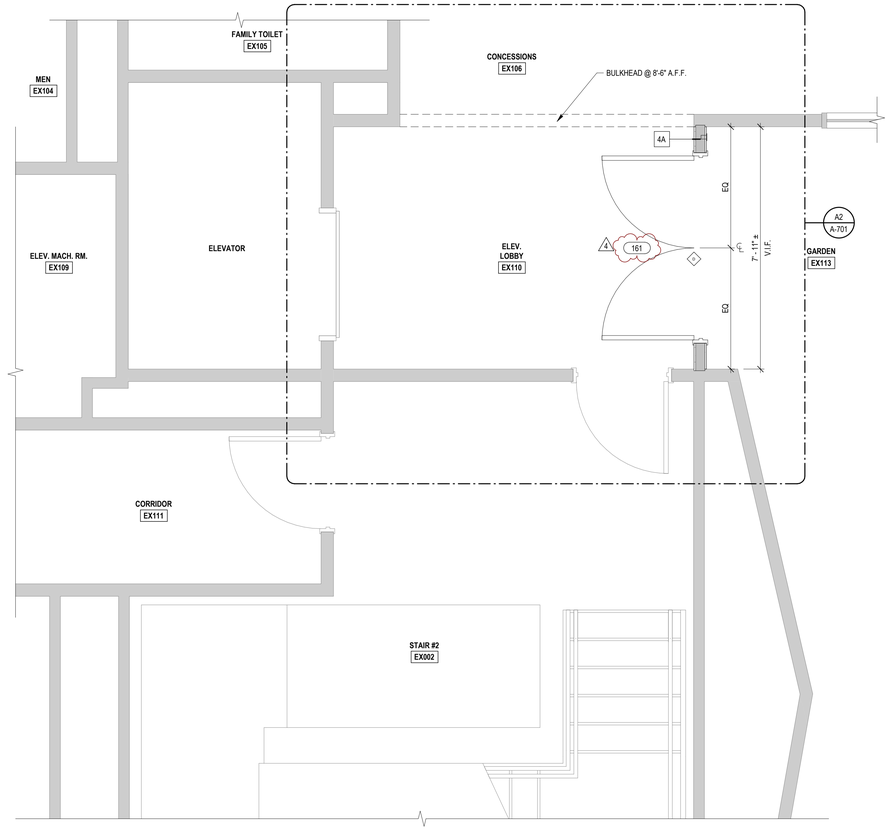
CFCI CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
TFCI TENANT FURNISHED, CONTRACTOR INSTALLED
TFTI TENANT FURNISHED, TENANT INSTALLED



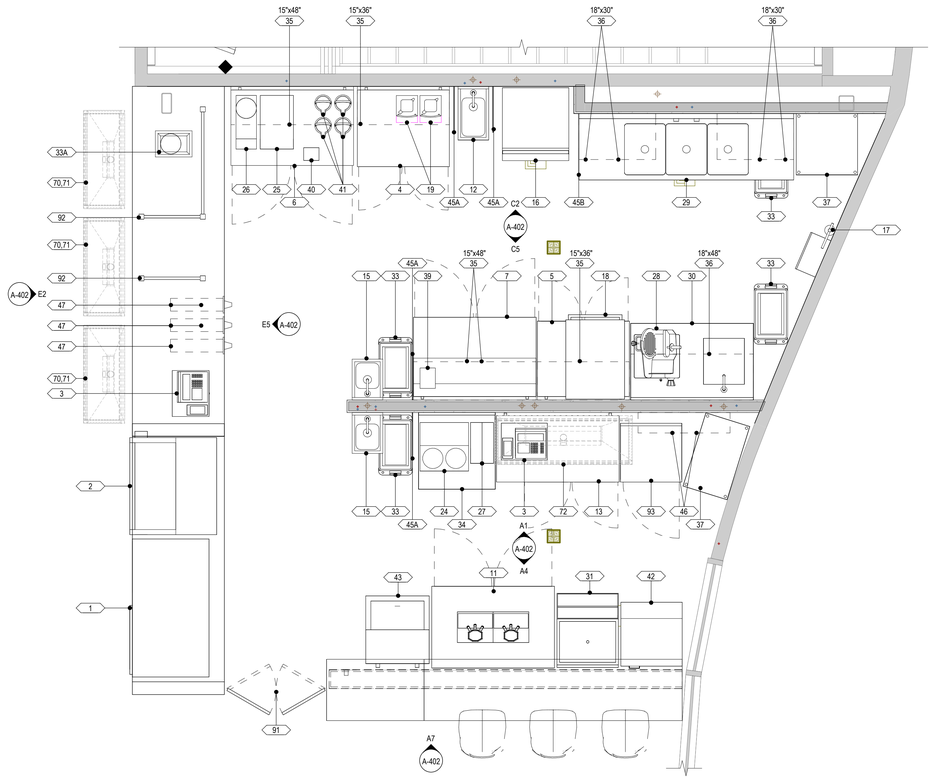
D4 ENLARGED STORAGE PLAN
1/2" = 1'-0"

GENERAL SHEET NOTES:

A. ALL DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ALL DISCREPANCIES PRIOR TO STARTING WORK.
B. ALL DIMENSIONS ARE FACE OF MASONRY, POURED CONCRETE, OR FACE OF STUD (WOOD OR METAL, U.N.O.
C. ALL INTERIOR PARTITIONS TO BE **TYPE 4A** UNLESS NOTED OTHERWISE. REFER TO SHEET A-000 FOR PARTITION DETAILS.
D. ALL INTERIOR DOOR FRAMES SHALL BE LOCATED A DISTANCE OF SIX INCHES FROM THROAT RETURN TO THE CLOSEST ADJACENT PERPENDICULAR PARTITION, U.N.O.
E. PROVIDE SOLID BLOCKING/BACKING IN-WALL CAVITIES AT ALL WALL MOUNTED CASEWORK, FIXTURES, EQUIPMENT AND SHELVING. REFER TO TYPICAL PARTITION AND BACK PLATE DETAILS FOR ADDITIONAL INFORMATION.
F. REFER TO MEP AND FIRE PROTECTION DRAWINGS FOR MOUNTING HEIGHTS OF SWITCHES, OUTLETS, ALARMS AND ALL SURFACE MOUNTED COMPONENTS.
G. REFER TO SHEET A-701 FOR DOOR SCHEDULE.
H. REFER TO SHEET A-701 FOR FINISH SCHEDULE AND FLOOR PATTERNS.



A1 ENLARGED FIRST FLOOR PLAN
1/2" = 1'-0"



A4 ENLARGED KITCHEN PLAN
1/2" = 1'-0"

PLAN NORTH

GRAPHIC SCALE
1/2"=1'-0"
0 6" 1' 2' 3' 4' 5' 6'

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790
A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID
2	AJR	01/08/2024	ADDENDUM #1
4	AJR	01/29/2024	ADDENDUM #3

ISSUED FOR BID

STATE OF UTAH
ANDREW J. REMSTAD
No. 8845747-0301
12/21/2023
LICENSED ARCHITECT

ANDY J REMSTAD | 8845747-0301 | 12/21/2023
NAME | REG. NO. | DATE

FOR AND ON BEHALF OF JVIATION, INC.

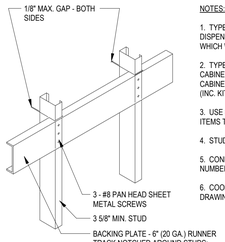
DRAWN: RCS | CHECKED: AMA | APPROVED: AJR

PROJECT NUMBER: **10016873.00**

ENLARGED FLOOR PLANS

A-401

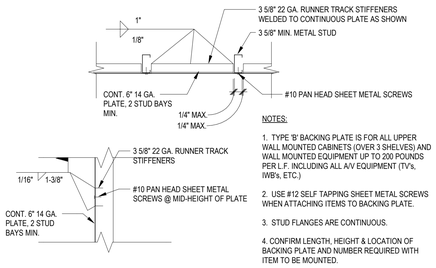
A-401 ENLARGED FLOOR PLANS 1/29/2024 11:53:53 AM Autodesk Docs://Jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt



NOTES:

1. TYPE 'A1' BACKING PLATE IS FOR SMALL ITEMS (SUCH AS SOAP DISPENSERS, DOOR STOPS, MIRRORS, CLOTHES HOOKS, ETC.) WHICH WEIGH OR SUPPORT WEIGHTS OF LESS THAN 25 POUNDS.
2. TYPE 'A2' BACKING PLATE IS FOR UPPER WALL MOUNTED CABINETS (UP TO 2 SHELVES). BASE CABINETS, FULL HEIGHT CABINETS, HANDRAILS, GUARDRAILS & WALL MOUNTED EQUIPMENT (INC. KITCHEN EQUIPMENT SHELVING) UP TO 100 POUNDS PER L.F.
3. USE #12 SELF TAPPING SHEET METAL SCREWS WHEN ATTACHING ITEMS TO TYPE A2 BACKING PLATE.
4. STUD FLANGES ARE CONTINUOUS.
5. CONFIRM LENGTH, HEIGHT & LOCATION OF BACKING PLATE AND NUMBER REQUIRED WITH ITEM TO BE MOUNTED.
6. COORDINATE GAUGE OF EXTERIOR WALL STUDS W/ STRUCTURAL DRAWINGS.

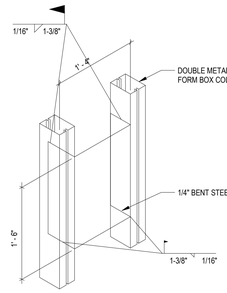
E1 BACKING PLATES - TYPES 'A1' & 'A2'
1" = 1'-0"



NOTES:

1. TYPE 'B' BACKING PLATE IS FOR ALL UPPER WALL MOUNTED CABINETS (OVER 3 SHELVES) AND WALL MOUNTED EQUIPMENT UP TO 200 POUNDS PER L.F. INCLUDING ALL A/V EQUIPMENT (TV's, IWB's, ETC.)
2. USE #12 SELF TAPPING SHEET METAL SCREWS WHEN ATTACHING ITEMS TO BACKING PLATE.
3. STUD FLANGES ARE CONTINUOUS.
4. CONFIRM LENGTH, HEIGHT & LOCATION OF BACKING PLATE AND NUMBER REQUIRED WITH ITEM TO BE MOUNTED.

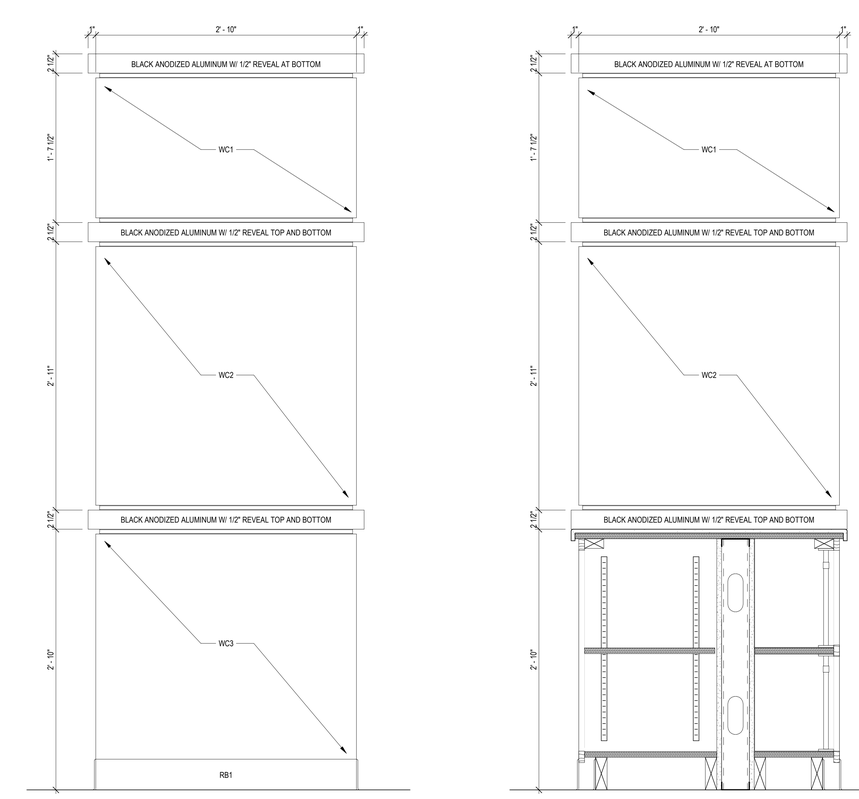
E3 BACKING PLATE - TYPE 'B'
1" = 1'-0"



NOTES:

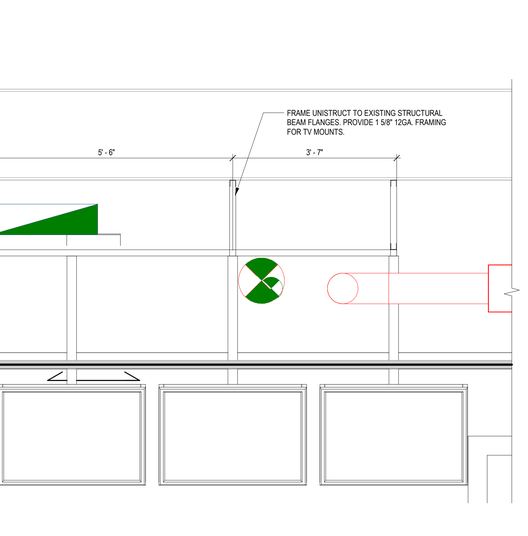
1. TYPE 'C' BACKING PLATE IS FOR WALL MOUNTED EQUIPMENT AS DESIGNATED BY WALL MOUNTED EQUIPMENT MANUFACTURER.
2. FOR THE METHOD OF FASTENING THE EQUIPMENT TO THE BACKING PLATE, REFER TO THE MOUNTING INSTRUCTIONS FOR THE EQUIPMENT OR TO THE APPROPRIATE DETAIL.
3. CONFIRM LENGTH, HEIGHT & LOCATION OF BACKING PLATE AND NUMBER REQUIRED WITH ITEM TO BE MOUNTED.
4. FOR ITEMS OVER 1'-4" WIDE, THE DETAIL MAY BE REPEATED AS NECESSARY.

E4 BACKING PLATE - TYPE 'C'
1" = 1'-0"

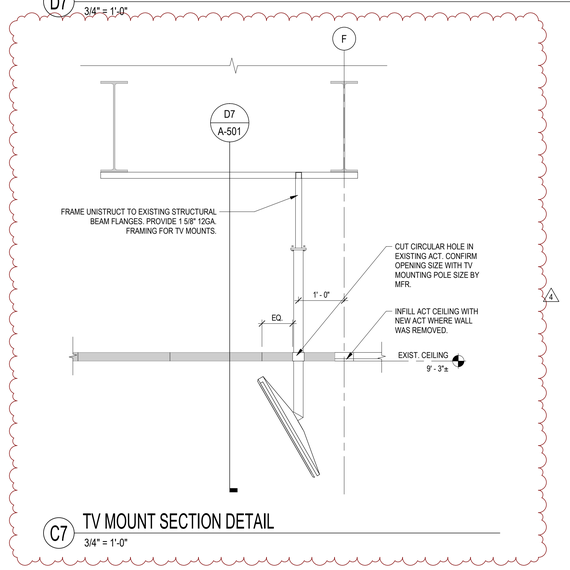


NOTE: SEE FINISH SCHEDULE FOR FINISHES.

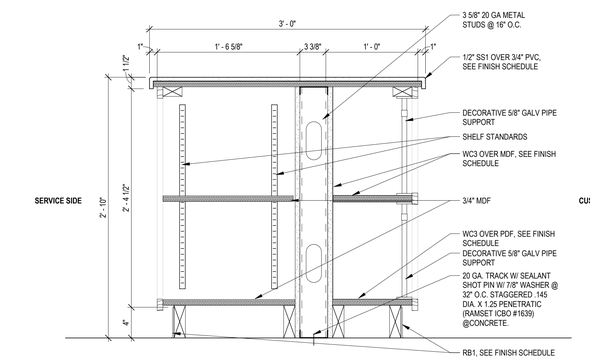
B1 CASEWORK AT COOLERS
1 1/2" = 1'-0"



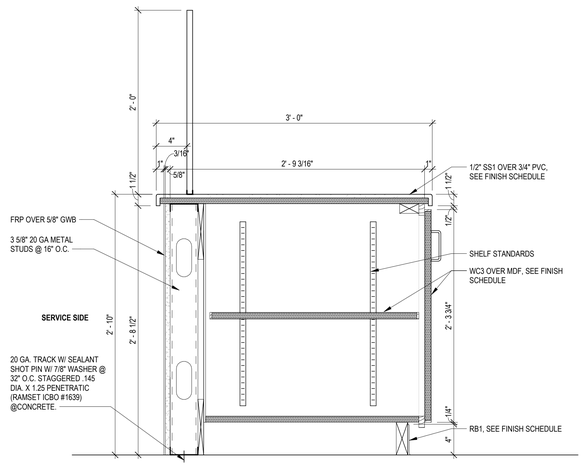
D7 TV MOUNT SECTION DETAIL
3/4" = 1'-0"



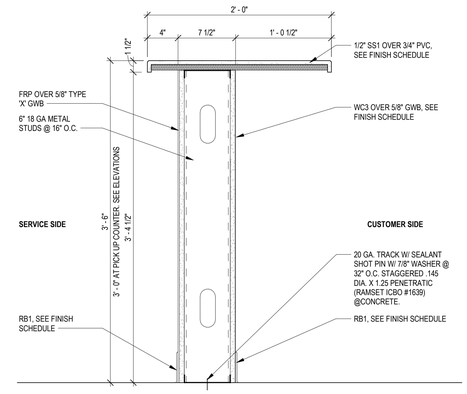
C7 TV MOUNT SECTION DETAIL
3/4" = 1'-0"



A1 CASEWORK SECTION AT POS
1 1/2" = 1'-0"



A3 CASEWORK SECTION AT CONDIMENT COUNTER
1 1/2" = 1'-0"



A6 BAR SECTION
1 1/2" = 1'-0"

GRAPHIC SCALE

3/4"=1'-0" — 0, 6", 1', 2', 3', 4'

1"=1'-0" — 0, 3", 6", 9", 1', 2', 3'

1 1/2"=1'-0" — 0, 3", 6", 9", 1', 2'

SGU REGIONAL AIRPORT

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION

TERMINAL RENOVATION
4550 S AIRPORT PKWY
ST. GEORGE, UTAH 84790
A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID
4	AJR	01/29/2024	ADDENDUM #3

ISSUED FOR BID

STATE OF UTAH — ANDREW J. REMSTAD — No. 8845747-0301 — 12/21/2023 — LICENSED ARCHITECT

ANDY J REMSTAD | 8845747-0301 | 12/21/2023
NAME | REG. NO. | DATE
FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: Author | CHECKED: C. Checker | APPROVED: A. Approver

PROJECT NUMBER: 10016873.00

CASEWORK AND MISCELLANEOUS DETAILS

A-501

A-501 CASEWORK AND MISCELLANEOUS DETAILS.dwg Autodesk Docs://Jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt 1/29/2024 11:55:01 AM

FINISH LEGEND

TAG	MATERIAL	MANUFACTURER	STYLE / TYPE	COLOR / FINISH	SIZE	INSTALLATION
ACT1	ACOUSTIC CEILING TILE	ARMSTRONG	CALLA HEALTH ZONE 2232 / 9/16" SQUARE TEGULAR	WHITE	24"W X 24"L X 1"D	
FRP	FIBERGLASS REINFORCED PLASTIC PANELS	CRANE COMPOSITES	GLASBORD WALL PANELS / PEBBLED EMBOSSED TEXTURE	WHITE. 85. SURFASEAL	48"W X 10'-0"H X .05"D	
PNT1	WALL PAINT	SHERWIN WILLIAMS	COLOR MATCH EXISTING	SEMI-GLOSS	-	
PNT2	DOOR AND FRAME PAINT	SHERWIN WILLIAMS	COLOR MATCH EXISTING	SEMI-GLOSS	-	
RB1	RESILIENT WALL BASE	TARKETT/JOHNSONITE	-	SANDALWOOD #45	4TH	
SC1	SEALED CONCRETE	W.R. MEADOWS	VOCOMP-25	-	-	SEAL EXISTING CONCRETE
SS1	SOLID SURFACE COUNTERTOP	ARISTECH SURFACES	STUDIO COLLECTION	COPPER CANYON #8570	1/2" THICK	
SSB1	STAINLESS STEEL WALL BASE	CRANE COMPOSITES	SANI-BASE	-	-	
TS1	TRANSITION STRIP - TILE TO CARPET	ASSA ABLOY	PEMKO HALF SADDLE / OFFSET SADDLE THRESHOLD	DARK BRONZE ANODIZED ALUMINUM	V.I.F.	CONFIRM MODEL TYPE NEEDED IN FIELD
TS2	TRANSITION STRIP - TILE TO TILE	ASSA ABLOY	PEMKO SADDLE THRESHOLD	DARK BRONZE ANODIZED ALUMINUM	V.I.F.	CONFIRM MODEL TYPE NEEDED IN FIELD
TS3	TRANSITION STRIP - CARPET TO CONCRETE	SCHLUTER	RENO-U	STAINLESS STEEL	-	CONFIRM HEIGHT WITH EXISTING CARPET
WC1	WALL COVERING	CONSTRUCTION SPECIALTIES	ACROVYN WALL COVERING	WOODGRAIN 1609 WHITE PAPYRUS	.06" THICK	
WC2	WALL COVERING	CONSTRUCTION SPECIALTIES	ACROVYN WALL COVERING	WOODGRAIN 373 AMBER CHERRY	.06" THICK	
WC3	WALL COVERING	CONSTRUCTION SPECIALTIES	ACROVYN WALL COVERING	WOODGRAIN 1611 WARM BEIGE PAPYRUS	.06" THICK	

FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL MATERIAL	WALL FINISH	CEILING MATERIAL	CEILING FINISH	NOTES
201	LOUNGE	EXIST	EXIST	GWB / EXIST	PNT1 / EXIST	EXIST	EXIST	
202	KITCHEN	SC1	SSB1	GWB / EXIST	FRP	ACT1	-	1, 2
203	BAR	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX001	STAIR #1	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX002	STAIR #2	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX206	PLAN	SC1	EXIST	EXIST	FRP	EXIST	EXIST	1
EX207	BREAK	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX210	WOMEN	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX211	ELEVATOR LOBBY	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX212	MEN	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX213	VESTIBULE	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX214	MECHANICAL STORAGE	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	

FINISH SCHEDULE NOTES

1. EXISTING FLOOR FINISH TO BE REMOVED. SEAL EXISTING CONCRETE.
2. EXISTING CEILING TILES ABOVE KITCHEN AREA TO BE REMOVED AND REPLACED WITH TILE TYPE LISTED. THE CEILING GRID IS EXISTING TO REMAIN.

DOOR SCHEDULE

DOOR NO.	DOOR TYPE	DOOR SIZE WIDTH	SIZE HEIGHT	SIZE THICKNESS	DOOR MATERIAL	DOOR FINISH	DOOR UNDER CUT	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	RATING STC	RATING FIRE	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	HARDWARE NO.	DOOR NOTES
161	D2	6' - 0"	7' - 0"	0' - 1 3/4"	HM	PNT2		F1	HM	PNT2	-	-	C1 / A-701	C2 /A-701	-	1	1
162	D3	6' - 0"	7' - 0"	0' - 1 3/4"	-	-		-	-	-	-	90 MIN.	-	-	-	3	2,3
215	D3	6' - 0"	7' - 0"	0' - 1 3/4"	-	-		-	-	-	-	90 MIN.	-	-	-	3	2,3
EX002	D1	3' - 0"	7' - 0"	0' - 1 3/4"	EXIST.	EXIST.		F1	EXIST.	EXIST.	-	-	-	-	-	2	4

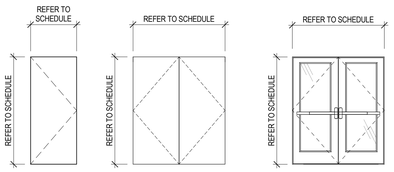
DOOR NOTES:
1. MATCH ADJACENT METAL DOOR COLOR.
2. B.O.D. TO BE SAFTIFIRST 90 MIN. FIRE RESISTIVE GPX PAIR DOORS, 500-DP-90R-IIXL, 5" FIRE RESISTIVE GPX PAIR DOOR WITH SUPERLITE II-XL 90- INTERIOR APPLICATION. CONFIRM DOOR SIZE WITH MFR. INSTALL PER MFR INSTALATION RECOMMENDATION.
3. EACH DOOR TO RECEIVE ELECTROMAGNETIC DOOR HOLDER AND FIRE-SAFETY AUTOMATIC RELEASING DEVICE. B.O.D. TO BE SECURITY DOOR CONTROLS EH SERIES, MODEL #EH3024120A. SEE ELECTRICAL DRAWINGS.
4. ACCESS CONTROL TO MATCH EXISTING. B.O.D. TO BE HID iCLASS RK40 SE STANDARD PROFILE KEYPAD READER, TERMINAL STRIP, 921NTNTEK00000.

HARDWARE SCHEDULE

HW. GROUP	DOORS		
HW 1	161		
6	HINGES	BB31 4 1/2 X 4 1/2 US26D	CR
2	POWER TRANSFER	CRPT-10 AL	CR
2	CLOSER	CR441xCR3077SPAS AL	CR
2	EXIT DEVICE	3547A EL RX LD EO 315 3'	VD
2	PULL HANDLE	392-6	IV
2	TRIM	ICCVRESC05 US26D	CR
1	POWER SUPPLY	CRPS2	CR
ACCESS CONTROL BY SECURITY CONTRACTOR			
HW 2	EX002		
EXISTING HARDWARE ACCESS CONTROL BY SECURITY CONTRACTOR			
HW 3	162, 215		
6	HINGES	BY MFR.	
2	ELEC. CLOSER	CR441EHO 689	CR
2	EXIT DEVICE	SVR AF7760V US32D	CR
2	TRIM	ESC7700 US32D	CR
2	KICKPLATE	10"X2" LDW US32D	CR
BOTTOMS, WEATHERSTRIPPING, AND STILES BY MFR.			

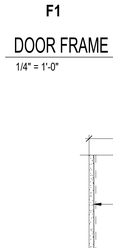
MANUFACTURERS IN HARDWARE SET FOR BASIS OF DESIGN

CR	CAL-ROYAL
IV	IVES
VD	VON DUPRIN



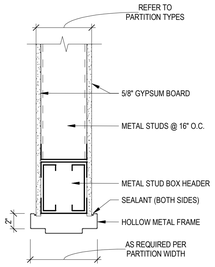
D1 D2 D3

DOOR TYPES
1/4" = 1'-0"

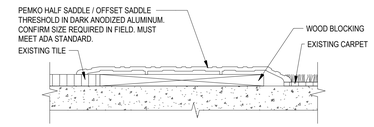


F1

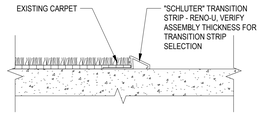
DOOR FRAME
1/4" = 1'-0"



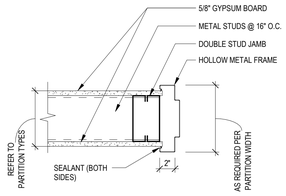
C1 DOOR HEAD DETAIL
1 1/2" = 1'-0"



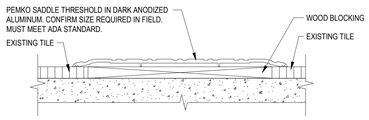
B1 TILE TO CARPET TRANSITION (TS1)
6" = 1'-0"



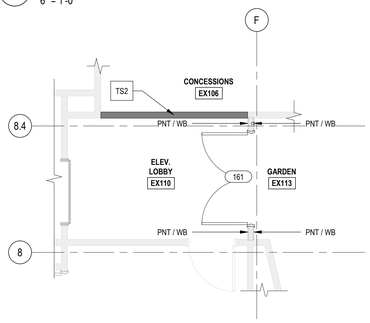
A1 CARPET TO CONCRETE TRANSITION (TS3)
6" = 1'-0"



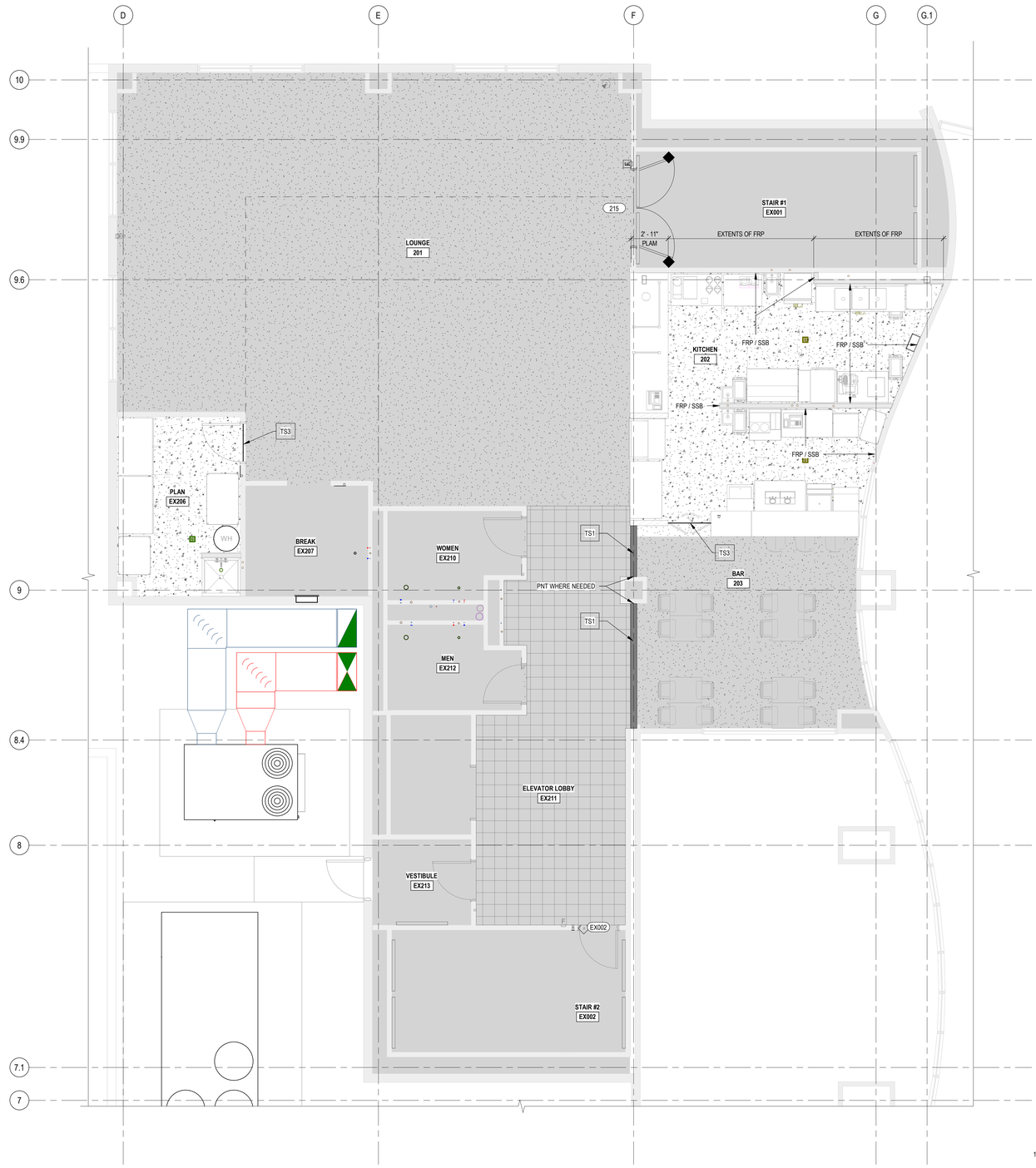
C2 DOOR JAMB DETAIL
1 1/2" = 1'-0"



B2 TILE TO TILE TRANSITION (TS2)
6" = 1'-0"



A2 FIRST FLOOR FINISH PLAN
1/4" = 1'-0"



A4 SECOND FLOOR FINISH PLAN
1/4" = 1'-0"

GENERAL SHEET NOTES:

A. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.
B. ALL EXISTING MATERIALS TO REMAIN WHICH ARE DAMAGED OR OTHERWISE DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE PATCHED AND REPAIRED TO MATCH EXISTING ADJACENT MATERIALS SO THAT REPAIR IS IMPERCEPTIBLE.
C. ON ALL ARCHITECTURAL SHEETS, ALL MATERIALS NOTED ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING. ALL MATERIALS NOTED AS EXISTING SHALL REMAIN UNLESS SPECIFICALLY NOTED TO BE REMOVED. SEE DEMOLITION AND NEW WORK NOTES FOR SPECIFIC NOTES.
D. ALL FLOOR FINISH TRANSITIONS SHALL BE CONCEALED BY A CLOSED DOOR.
E. HATCH PATTERNS ON FINISH PLANS ARE REPRESENTATIONAL ONLY TO DISTINGUISH COLOR CHANGES, UNLESS OTHERWISE NOTED.
F. ALL FLOORS ON EITHER SIDE OF A DOORWAY OR OPENING SHALL BE LEVEL AND HAVE MAXIMUM ELEVATION DIFFERENCE OR THRESHOLD HEIGHT OF 1/2".
G. DOOR OPENINGS NOT LOCATED BY DIMENSION SHALL BE 4" FROM THE FACE OF STUD TO FACE OF STUD OF DOOR FRAME JAMB UNLESS NOTED OTHERWISE.
H. DOOR SIZES, STYLES, AND SPECIFICATIONS, ROUGH OPENING SIZES AND EXACT LOCATIONS TO BE CHECKED AND VERIFIED BY THE CONTRACTOR BEFORE ORDERING AND BEFORE CONSTRUCTION BEGINS.

LEGEND:

- EXISTING CARPET
- EXISTNG TILE
- SC1 (EXISTING CONCRETE TO BE SEALED)

PLAN NORTH

GRAPHIC SCALE

1/4"=1'-0" — 0 2' 4' 8' 12'
1 1/2"=1'-0" — 0 3" 6" 9" 1' 2'
6"=1'-0" — 0 1" 2" 3" 6"

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID
3	AJR	01/22/2024	ADDENDUM #2
4	AJR	01/29/2024	ADDENDUM #3

ISSUED FOR BID

STATE OF UTAH — ANDREW J. REMSTAD — No. 8845747-0301 — 12/21/2023 — LICENSED ARCHITECT

ANDY J REMSTAD 8845747-0301 12/21/2023
NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: RCS CHECKED: AMA APPROVED: AJR

PROJECT NUMBER: 10016873.00

FINISH PLAN & SCHEDULE, DOOR SCHEDULE & DETAILS

A-701

Autodesk Docs://Jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt
A-701 FINISH PLAN & SCHEDULE, DOOR SCHEDULE & DETAILS
12/21/2023 11:57:32 AM

ADDENDUM NO. 2
TO
CONTRACT DOCUMENTS, SPECIFICATIONS AND PLANS
FOR IMPROVEMENTS TO THE
ST. GEORGE REGIONAL AIRPORT
ST. GEORGE, UTAH
TERMINAL RENOVATION
SCHEDULE I – TERMINAL RENOVATION
SCHEDULE II – TENANT KITCHEN EQUIPMENT
INQUIRY #23-164

To All Bidders: You are requested to make all changes and/or additions contained in this addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal shall result in rejection of bid. Bidders are informed that the above referenced Contract Documents, Specifications and Plans are modified as follows as of January 22, 2024:

CONTRACT DOCUMENTS/SPECIFICATIONS

1. No Revisions in Addendum #2

PLANS

1. General
    a. G-001 – Cover Sheet: Added sheet C-007 to the sheet index.
    b. G-004 – Life Safety and Code Summary: Updated the Second Floor Area Life Safety Plan based on the removal of the new vestibule by the South stair getting removed.
2. Civil
    a. C-007 – Access and Staging Plan: Added sheet.
3. Architectural
    a. AD101 – Overall First Floor Demolition Plan: Added notes for partial wall removal and TV relocation.
    b. AD102 – Overall Second Floor Demolition Plan: Added a note and revised a note to account for a door and partial wall removal.
    c. A-101 – Overall First Floor Plan: Added door #162 at Stair #1 and a door tag.
    d. A-102 – Overall Second Floor Plan: Added door #215 at Stair #1 and a door tag.
    e. A-102A – Second Floor Area Plan: Added door #215 at Stair #1 and a door tag. Added a partition tag for where existing door at Stair #1 is to be removed. Removed new wall and door between Elevator Lobby and Stair #2. Removed room #104.
    f. A-402 – Interior Elevations: Added door #215 at Stair #1.
    g. A-701 – Finish Plan & Schedule, Door Schedule & Details:
        i. Added Stair #1 doors to Door Schedule.

ii. Added Stair #2 door to Door Schedule to highlight need for access control to be added.

iii. Removed door 204 from the Door Schedule.

iv. Added a new Door Type to the Door Type elevations.

v. Updated the hardware schedule and added door notes to refer to.

4. Electrical

   a. ED102 – Level 2 Power Demolition Plan: Added keynote #3 and called out for all devices on the North Stair wall to be demolished.

   b. EL101 – Level 2 Lighting Plan: Removed wall occupancy sensor and relocated the ceiling occupancy sensor.

   c. EP101 – Level 2 Power Plan: Moved card reader, door contact, and keynote #4.

QUESTIONS

1. For the items in this project that are existing, what division will be responsible for removing and relocating each item? i.e. pepsi cooler, grab 'n' go, work top freezer, draft beer cooler, coffee, and espresso machines equipment.

   Answer: **The General Contractor will be responsible for removing and relocating each item. Items to be stored in nearby SRE building.**

2. Addendum 1 mentions 140 calendar day schedule. Page 10 of the specifications say 140 working days. Please clarify the working day and calendar day expectation.

   Answer: **The intent is for 140 calendar days not working days. The calendar days will not start until the contractor has enough materials to sustain a continual construction without any lead time delays. The Tenant Tailwinds is not expecting any long lead times on the equipment.**

**** PLEASE SUBMIT ANY FURTHER QUESTONS TO**
adam.acree@woolpert.com BY 1/25.

END OF ADDENDUM NO. 2 **

ST GEORGE REGIONAL AIRPORT

TERMINAL RENOVATION

4550 S AIRPORT PKWY, ST. GEORGE, UTAH, 84790

ISSUED FOR BID
21-DEC-2023

SCHEDULE I: TERMINAL RENOVATION
SCHEDULE II: TENANT KITCHEN EQUIPMENT

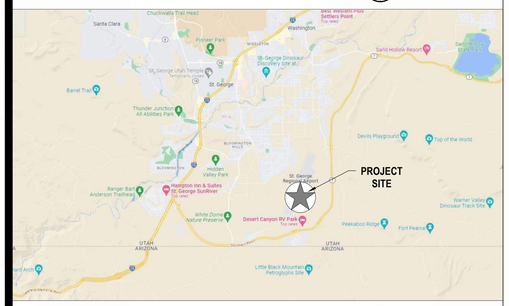
PROJECT TEAM

Architecture & Life Safety
Jviation, a Woolpert Company
720 South Colorado Blvd, Ste 1200-S
Glendale, CO 80246
Attn: Andy Remstad

Civil Engineering
Jviation, a Woolpert Company
35 South 400 West, Ste 200
St. George, UT 84770
Attn: Kirt McDaniel

Plumbing, Mechanical & Electrical Engineering
Fire Protection
VBFA Engineering
230 N 1680 E, Bldg V
St. George, UT 84790
Attn: Mike Johnson
Attn: Robert Moschowsky

LOCATION MAP



VICINITY MAP



PROJECT IMAGE







SHEET INDEX

SHEET NUMBER	SHEET NAME
GENERAL	
G-001	COVER SHEET
G-002	GENERAL NOTES
G-003	GENERAL NOTES
G-004	LIFE SAFETY AND CODE SUMMARY
CIVIL	
C-005	SURVEY CONTROL PLAN
C-006	JOINT UTILITY NOTES
3 C-007	ACCESS AND STAGING PLAN
C-200	NEW WASTE LINE PLAN AND PROFILE
C-250	WASTE LINE AND GREASE INTERCEPTOR DETAILS, AND PRETREATMENT NOTES
ARCHITECTURE	
A-001	SYMBOLS, ABBREVIATIONS, AND PARTITION TYPES
AD101	OVERALL FIRST FLOOR DEMOLITION PLAN
AD102	OVERALL SECOND FLOOR DEMOLITION PLAN
A-101	OVERALL FIRST FLOOR PLAN
A-102	OVERALL SECOND FLOOR PLAN
A-102A	SECOND FLOOR AREA PLAN
A-111	OVERALL FIRST FLOOR REFLECTED CEILING PLAN
A-112	OVERALL SECOND FLOOR REFLECTED CEILING PLAN
A-401	ENLARGED FLOOR PLANS
A-402	INTERIOR ELEVATIONS
A-501	CASEWORK AND MISCELLANEOUS DETAILS
A-701	FINISH PLAN & SCHEDULE, DOOR SCHEDULE & DETAILS
PLUMBING	
P000	PLUMBING TITLE SHEET
PD102	OVERALL SECOND FLOOR PLUMBING DEMOLITION
P101	OVERALL FIRST FLOOR PLUMBING
P102	OVERALL SECOND FLOOR PLUMBING
P401	ENLARGED PLUMBING PLANS
P601	PLUMBING SCHEDULES AND DETAILS
MECHANICAL	
M000	MECHANICAL TITLE SHEET
M001	MECHANICAL GENERAL NOTES
MD102	OVERALL SECOND FLOOR MECHANICAL DEMOLITION
M012	OVERALL SECOND FLOOR THERMAL ZONE
M102	OVERALL SECOND FLOOR HVAC PLAN
M601	MECHANICAL SCHEDULES AND DETAILS
ELECTRICAL	
EG001	ELECTRICAL NOTES & SYMBOLS
EG501	ELECTRICAL DETAILS
EG601	ELECTRICAL SCHEDULES
EG701	ONE LINE DIAGRAM
ED101	LEVEL 2 LIGHTING DEMOLITION PLAN
ED102	LEVEL 2 POWER DEMOLITION PLAN
EL101	LEVEL 2 LIGHTING PLAN
EP101	LEVEL 2 POWER PLAN

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION
A WOOLPERT COMPANY

TERMINAL RENOVATION
4550 S AIRPORT PKWY
ST. GEORGE, UTAH 84790
A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

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STATE OF UTAH
ANDREW J. REMSTAD
No. 8845747-0301
12/21/2023
LICENSED ARCHITECT

ANDY J REMSTAD 8845747-0301 12/21/2023
NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: RCS | CHECKED: AMA | APPROVED: AJR

PROJECT NUMBER: **10016873.00**

COVER SHEET

G-001

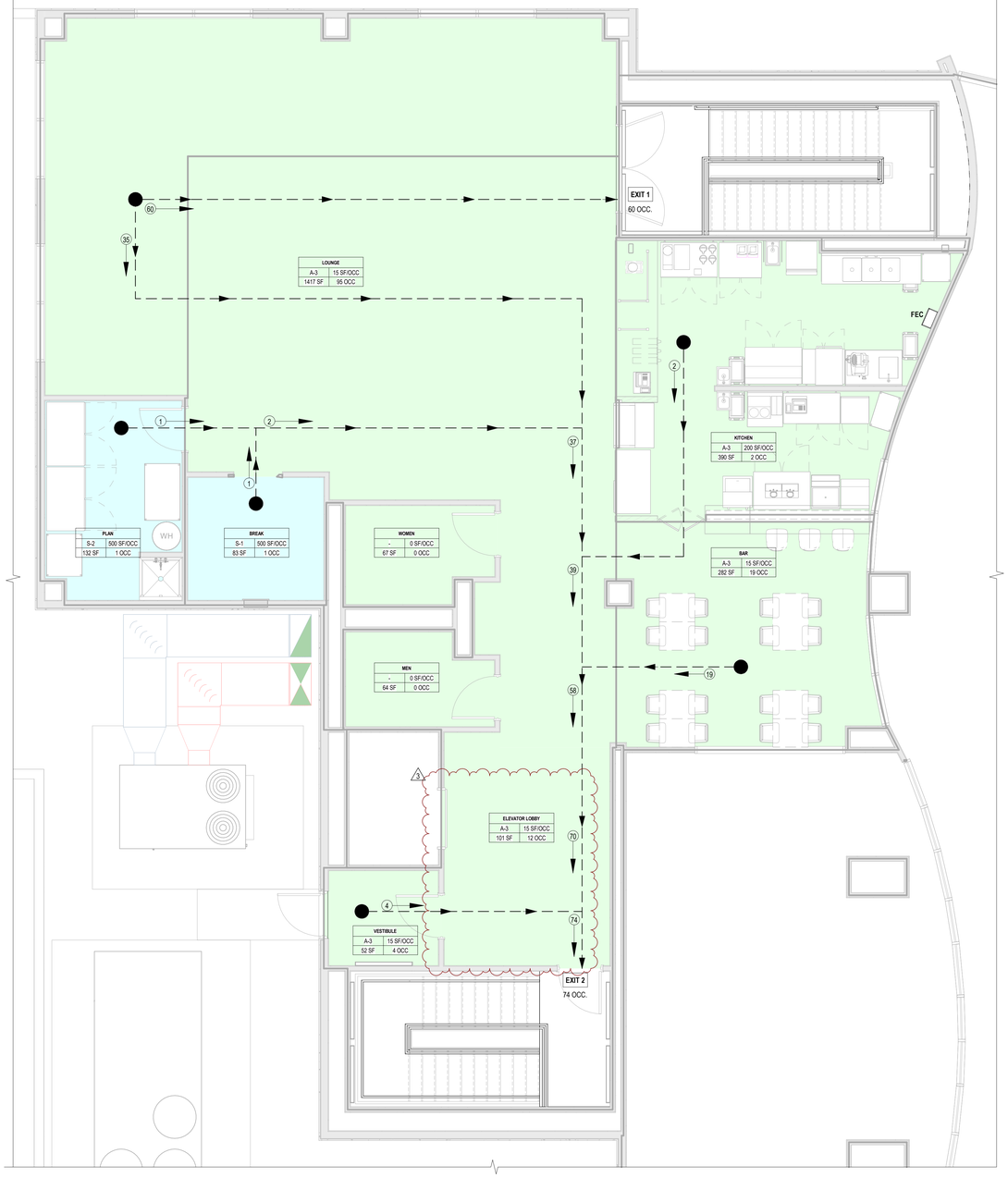
Autodesk Docs://Jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt
1/22/2024 11:27:41 AM
G-001 COVER SHEET

ALLOWABLE
EXIT 1: 36" = 180 OCC.
EXIT 2: 36" = 180 OCC.

ALLOWABLE EXITING OCCUPANTS: 360 OCCUPANTS

PURPOSED
EXIT 1 = 60 OCC.
EXIT 2 = 74 OCC.

PURPOSED EXITING OCCUPANTS: 134 OCCUPANTS



A3 SECOND FLOOR AREA LIFE SAFETY PLAN
1/4" = 1'-0"

LEGEND:

- FEC — FIRE EXTINGUISHER CABINET
- EGRESS TAG — NUMBER OF OCCUPANTS EXITING IN DIRECTION OF TRAVEL
- EGRESS
- ROOM OCCUPANCY TAG
  - ROOM NAME
  - OCCUPANT LOAD
  - ROOM OCCUPANCY
  - OCCUPANCY GROUP
  - ROOM AREA

RM	
OG	XX SF/OCC
SF	XXX OCC

- ASSEMBLY
- STORAGE

CODE ANALYSIS

APPLICABLE CODES

	Year		Year
International Building Code	2018	National Electrical Code	2018
International Mechanical Code	2018	Uniform Code for Building Conservation	2018
International Fuel Gas Code	2018	ADA Accessibility Guidelines	2010
International Plumbing Code	2018		
International Fire Code	2018		
International Energy Conservation Code	2018		

A. Occupancy and Group: A-III
Change in Use: Yes ____ No X Mixed Occupancy: Yes ____ No X
Special Use and Occupancy (e.g. High Rise, Covered Mall): ____

B. Seismic Design Category: D1 Design Wind Speed: 90 mph

C. Type of Construction (circle one):
I A | I B | II A | II B | III A | III B | IV HT | V A | V B

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):
North: 0 South: 0 East: 0 West: 0

E. Mixed Occupancies: ____ Nonseparated Uses: X

F: Sprinklers:
Required: no Provided: yes
Type of Sprinkler System (IBC 903.3.1): 13

G: Number of Stories: 2 Building Height: 45'

H: Actual Area per Floor (square feet): no change in size just an interior renovation

I: Tabular Area: (table 503): 38,000

J: Area Modifications:

$$a) \; A_w = \left\{ A_a + \left[A_i \times I_f \right] + \left[A_i \times I_f \right] \right\} \qquad I_f = \left[F/P - 0.25 \right] W / 30$$

b) Sum of the Ratio Calculations for Mixed Occupancies:
Actual Area / Allowable Area ≤ 1

c) Total Allowable Area for:
1) One Story: 38,000
2) Two Story: A_a (2) NA
3) Three Story: A_a (3) NA

d) Unlimited Area Building: Yes ____ No X Code Section: ____

K. Fire Resistance Rating Requirements for Building Elements (hours).

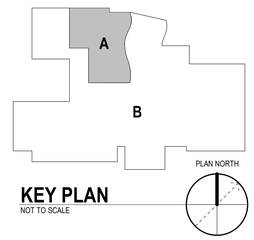
Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	0		Floors - Ceiling Floors	0	
Interior Bearing Walls	0		Roofs - Ceiling Roofs	0	
Exterior Non-Bearing Walls	0		Exterior Doors and Windows	0	
Structural Frame	0		Shaft Enclosures	0	
Partitions - Permanent	0		Fire Walls	0	
Fire Barriers	0		Fire Partitions	0	
			Smoke Partitions	0	

L. Design Occupant Load: no change
Exit Width Required: no change Exit Width Provided: no change

M. Minimum Number of Required Plumbing Facilities: no change
a) Water Closets - Required (m) ____ (f) ____ Provided (m) ____ (f) ____
b) Urinals - Required (m) ____ (f) ____ Provided (m) ____ (f) ____
c) Lavatories - Required (m) ____ (f) ____ Provided (m) ____ (f) ____
d) Bath Tubs or Showers: ____
e) Drinking Fountains: ____ Service Sinks: ____

FOOTNOTES:
1) In case of conflict with the U.S. Department of Justice Federal Registers Parts 1 through 3 - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.

2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
a) High Rise Requirements.
b) Atriums.
c) Performance Based Criteria.
d) Means or Egress Analysis.
e) Fire Assembly Locator Sheet.
f) Exterior and Interior Accessibility Route.
g) Fire Stopping, Including Tested Design Number.



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE
1/4"=1'-0"
0 2' 4' 8' 12'

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790
A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID
3	AJR	01/22/2024	ADDENDUM #2

ISSUED FOR BID

STATE OF UTAH
ANDREW J. REMSTAD
No. 8845747-0301
12/21/2023
LICENSED ARCHITECT

ANDY J REMSTAD 8845747-0301 12/21/2023
NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

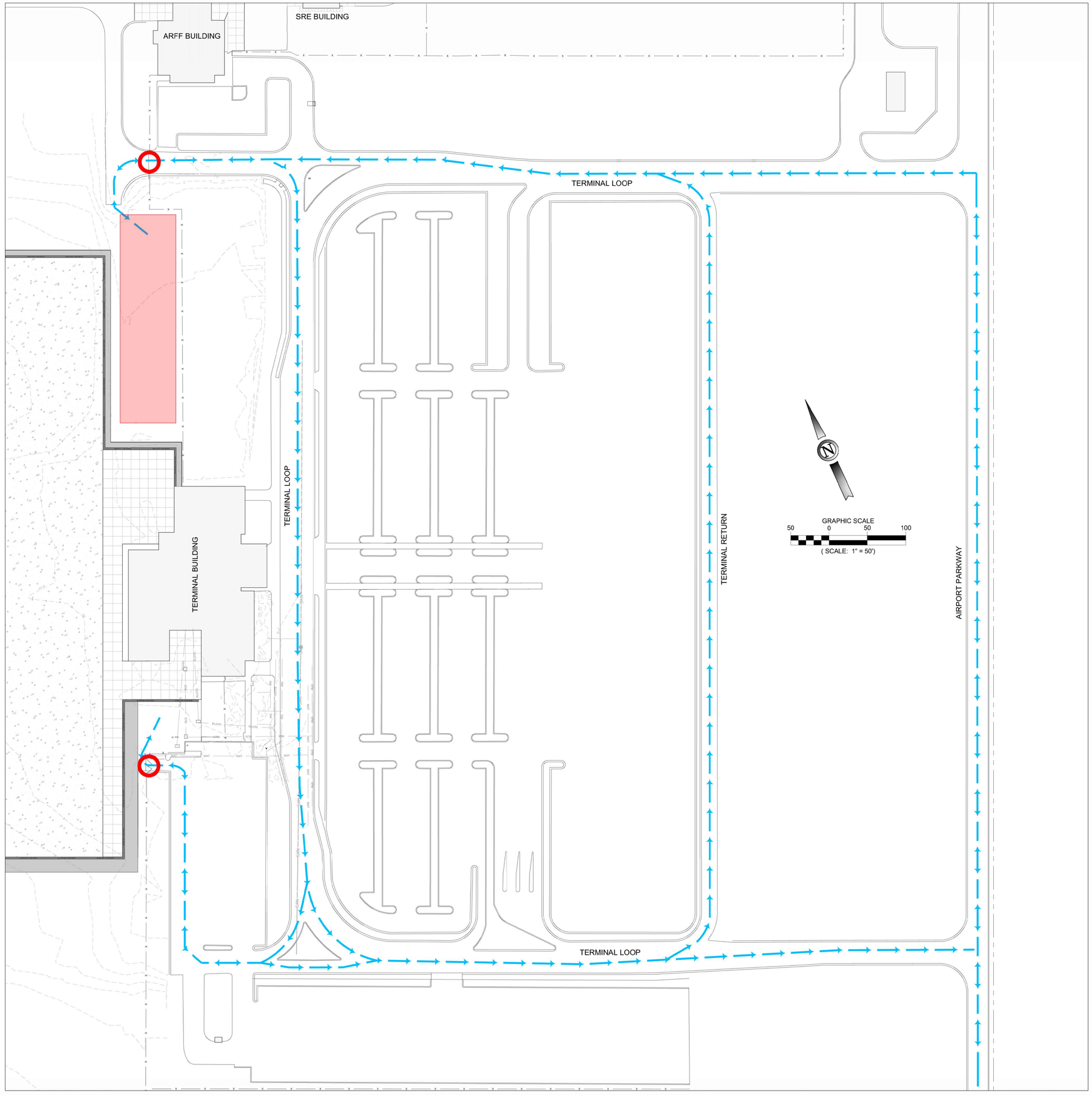
DRAWN: TLI | CHECKED: AMA | APPROVED: AJR

PROJECT NUMBER: **10016873.00**

LIFE SAFETY AND CODE SUMMARY

G-004

G-004 LIFE SAFETY AND CODE SUMMARY1/22/2024 11:27:47 AM Autodesk Docs://jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt



LEGEND

- CONTRACTOR HAUL ROUTE (2 WAY TRAFFIC)
- CONTRACTOR HAUL ROUTE (1 WAY TRAFFIC)
- CONTRACTOR STAGING AND PARKING
- AOA FENCE
- CONTRACTOR GATE ACCESS

NOTES:

1. EQUIPMENT PURCHASED BY FUTURE TENANT FOR CONTRACTOR INSTALLATION AS PART OF SCHEDULE II WILL BE DELIVERED TO THE AIRPORT AND STORED IN THE ARFF OR SRE BUILDING.
2. ALL CONTRACTOR'S TEMPORARY WASTE CONTAINERS SHALL BE COVERED TO PREVENT DEBRIS FORM BLOWING ON THE AIRPORT.

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION

4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
St. George Regional Airport

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	KJM	11/27/2023	ISSUED FOR PERMIT
1	KJM	1/22/2024	ADDENDUM #2

ISSUED FOR PERMIT

REGISTERED PROFESSIONAL ENGINEER
11/27/2023
No. 181491
KIRT J McDANIEL
STATE OF UTAH

NAME	REG. NO.	DATE
KIRT J MCDANIEL	PE-181491	11/27/2023

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: LOB	CHECKED: JSW	APPROVED: JSW

PROJECT NUMBER: 10016873.00

ACCESS AND STAGING PLAN

C007

P101 OVERALL FIRST FLOOR PLUMBING 12/4/2023 3:49:30 PM Autodesk Docs://Jviation - SGU Hub/23843_St. George Airport Terminal Renovation_v22_MECH.rvt

RELOCATE EXISTING TV AND POLE MOUNT TO NORTH CORNER OF WALL.

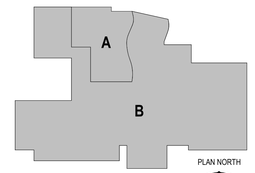
REMOVE PORTION OF WALL INDICATED TO INSTALL DOOR. COORDINATE WITH DOOR MFR FOR SIZE. REFER TO SHEET A-701.

REMOVE PORTION OF WALL INDICATED. PRESERVE A WALL BULKHEAD AT 8'-6" A.F.F.

9' - 7"

HOLD ROOM EX100
STAIR #1 EX001
UP
SEATING EX107
CHASE EX101
CHASE EX102
WOMEN EX103
VEST. EX103A
VEST. EX104A
MEN EX104
FAMILY TOILET EX105
CONCESSIONS EX106
JANITOR EX108
ELEV. MACH. RM. EX109
ELEV. LOBBY EX110
CORRIDOR EX111
COMM. EX112
STAIR #2 EX002
GARDEN EX113
PAX. SCREENING EX114
SCREENING EX115
TSA TRAINING EX116
OFFICE EX117
VEST. EX118
TSA BREAK ROOM EX120
TSA OFFICE EX121
SUP. EX122
COMM. EX123
CORRIDOR EX124
OFFICE EX125
OFFICE EX126
ELECTRICAL EX127
OFFICE EX128
TSA EX139
ELECTRICAL EX130
STORAGE EX131
JANITOR EX132
PUMP EX133
CORRIDOR EX134
ATO EX137
OFFICE EX138
ALCOVE EX114A
WOMEN EX135
MEN EX136
VESTIBULE EX135A
FAMILY TOILET EX144
JANITOR EX146
VESTIBULE EX136A
TICKETING EX147
BAGGAGE CLAIM EX140
LOST BAG EX141
CONCESSIONS EX142
MEET/GREET EX143
RENTAL CAR EX148
RENTAL CAR EX150
RENTAL CAR EX152
RENTAL CAR EX154
SECURITY OFFICE EX155
MAIL EX157
FIRE RISER ROOM EX158
OFFICE EX149
OFFICE EX151
OFFICE EX153
OFFICE EX155

A1 FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE
1/8"=1'-0"
0 4' 8' 16' 24'

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION
A WOOLPERT COMPANY

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

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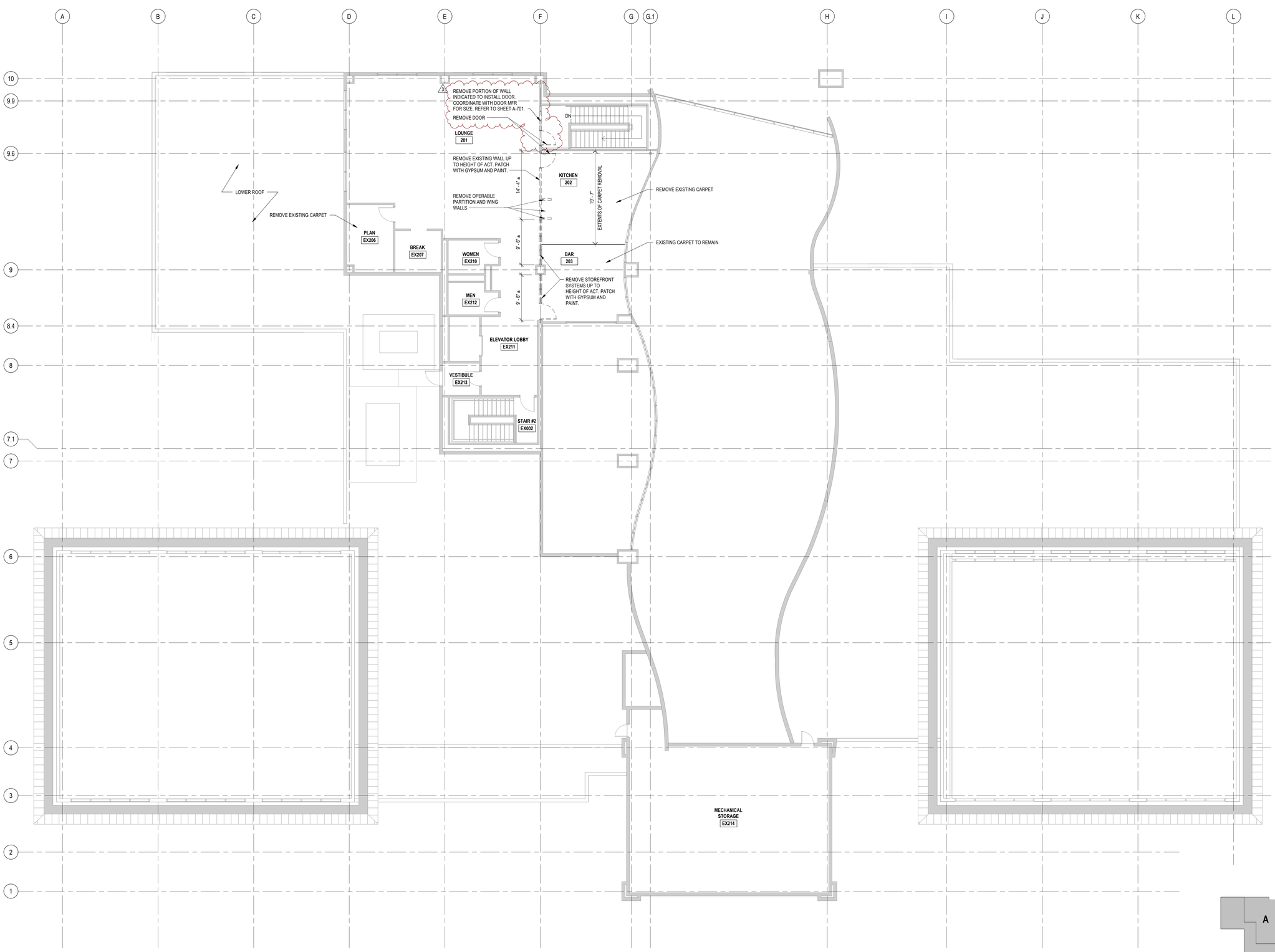
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PROJECT NUMBER: 10016873.00

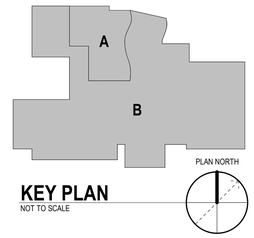
OVERALL FIRST FLOOR DEMOLITION PLAN

AD101

Autodesk Docs://Jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt
AD101 OVERALL FIRST FLOOR DEMOLITION 12/27/2023 10:06:04 AM



A1 SECOND FLOOR DEMOLITION PLAN
1/8" = 1'-0"



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE
1/8"=1'-0"
0 4' 8' 16' 24'

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

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FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: RCS	CHECKED: AMA	APPROVED: AJR

PROJECT NUMBER: 10016873.00

OVERALL SECOND FLOOR DEMOLITION PLAN

AD102

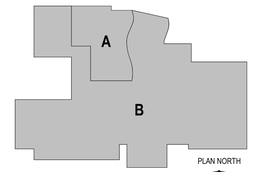
AD102 OVERALL SECOND FLOOR DEMOLITION PLAN Autodesk Docs://Jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt 1/22/2024 11:29:38 AM

GENERAL SHEET NOTES:

A. ALL DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ALL DISCREPANCIES PRIOR TO STARTING WORK.
B. ALL DIMENSIONS ARE FACE OF MASONRY, POURED CONCRETE, OR FACE OF STUD (WOOD OR METAL, U.N.O.
C. ALL INTERIOR PARTITIONS TO BE **TYPE 4A** UNLESS NOTED OTHERWISE. REFER TO SHEET A-000 FOR PARTITION DETAILS.
D. ALL INTERIOR DOOR FRAMES SHALL BE LOCATED A DISTANCE OF SIX INCHES FROM THROAT RETURN TO THE CLOSEST ADJACENT PERPENDICULAR PARTITION, U.N.O.
E. PROVIDE SOLID BLOCKING/BACKING IN-WALL CAVITIES AT ALL WALL MOUNTED CASEWORK, FIXTURES, EQUIPMENT AND SHELVING. REFER TO TYPICAL PARTITION AND BACK PLATE DETAILS FOR ADDITIONAL INFORMATION.
F. REFER TO MEP AND FIRE PROTECTION DRAWINGS FOR MOUNTING HEIGHTS OF SWITCHES, OUTLETS, ALARMS AND ALL SURFACE MOUNTED COMPONENTS.
G. REFER TO SHEET A-701 FOR DOOR SCHEDULE.
H. REFER TO SHEET A-701 FOR FINISH SCHEDULE AND FLOOR PATTERNS.

HOLD ROOM EX100
CHASE EX101
CHASE EX102
WOMEN EX103
MEN EX104
FAMILY TOILET EX105
CONCESSIONS EX106
SEATING EX107
JANITOR EX108
ELEV. MACH. RM. EX109
ELEVATOR
ELEV. LOBBY EX110
CORRIDOR EX111
COMM. EX112
STAIR #2 EX002
UP
GARDEN EX113
STAIR #1 EX001
162
161
A1 A-401
PAX. SCREENING EX114
SCREENING EX115
TSA TRAINING EX116
OFFICE EX117
VEST. EX118
TSA BREAK ROOM EX120
TSA OFFICE EX121
SUP. EX122
COMM. EX123
CORRIDOR EX124
OFFICE EX125
OFFICE EX126
ELECTRICAL EX127
OFFICE EX128
ATO EX137
OFFICE EX138
TSA EX139
ELECTRICAL EX130
STORAGE EX131
JANITOR EX132
PUMP EX133
CORRIDOR EX134
ALCOVE EX114A
WOMEN EX135
MEN EX136
VESTIBULE EX135A
FAMILY TOILET EX144
JANITOR EX146
VESTIBULE EX136A
LOST BAG EX141
CONCESSIONS EX142
MEET/GREET EX143
BAGGAGE CLAIM EX140
TICKETING EX147
RENTAL CAR EX148
RENTAL CAR EX150
RENTAL CAR EX152
RENTAL CAR EX154
OFFICE EX149
OFFICE EX151
OFFICE EX153
OFFICE EX155
SECURITY OFFICE EX155
MAIL EX157
FIRE RISER ROOM EX158

A1 OVERALL FIRST FLOOR PLAN
1/8" = 1'-0"



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE
1/8"=1'-0"
0 4' 8' 16' 24'

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION
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ST. GEORGE, UTAH 84790

A PROJECT FOR:
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ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID
3	AJR	01/22/2024	ADDENDUM #2

ISSUED FOR BID

STATE OF UTAH
ANDREW J. REMSTAD
No. 8845747-0301
12/21/2023
LICENSED ARCHITECT

ANDY J REMSTAD 8845747-0301 12/21/2023
NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: RCS | CHECKED: AMA | APPROVED: AJR

PROJECT NUMBER: **10016873.00**

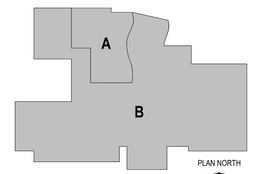
OVERALL FIRST FLOOR PLAN

A-101

A-101 OVERALL FIRST FLOOR PLAN 1/22/2024 10:12:03 AM Autodesk Docs://jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt



A1 OVERALL SECOND FLOOR PLAN
1/8" = 1'-0"



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE
1/8"=1'-0"
0 4' 8' 16' 24'

GENERAL SHEET NOTES:

A. ALL DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ALL DISCREPANCIES PRIOR TO STARTING WORK.
B. ALL DIMENSIONS ARE FACE OF MASONRY, POURED CONCRETE, OR FACE OF STUD (WOOD OR METAL, U.N.O.
C. ALL INTERIOR PARTITIONS TO BE **TYPE 4A** UNLESS NOTED OTHERWISE. REFER TO SHEET A-000 FOR PARTITION DETAILS.
D. ALL INTERIOR DOOR FRAMES SHALL BE LOCATED A DISTANCE OF SIX INCHES FROM THROAT RETURN TO THE CLOSEST ADJACENT PERPENDICULAR PARTITION, U.N.O.
E. PROVIDE SOLID BLOCKING/BACKING IN-WALL CAVITIES AT ALL WALL MOUNTED CASEWORK, FIXTURES, EQUIPMENT AND SHELVING. REFER TO TYPICAL PARTITION AND BACK PLATE DETAILS FOR ADDITIONAL INFORMATION.
F. REFER TO MEP AND FIRE PROTECTION DRAWINGS FOR MOUNTING HEIGHTS OF SWITCHES, OUTLETS, ALARMS AND ALL SURFACE MOUNTED COMPONENTS.
G. REFER TO SHEET A-701 FOR DOOR SCHEDULE.
H. REFER TO SHEET A-701 FOR FINISH SCHEDULE AND FLOOR PATTERNS.

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790
A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

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STATE OF UTAH
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ANDY J REMSTAD	8845747-0301	12/21/2023

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: RCS	CHECKED: AMA	APPROVED: AJR

PROJECT NUMBER: **10016873.00**

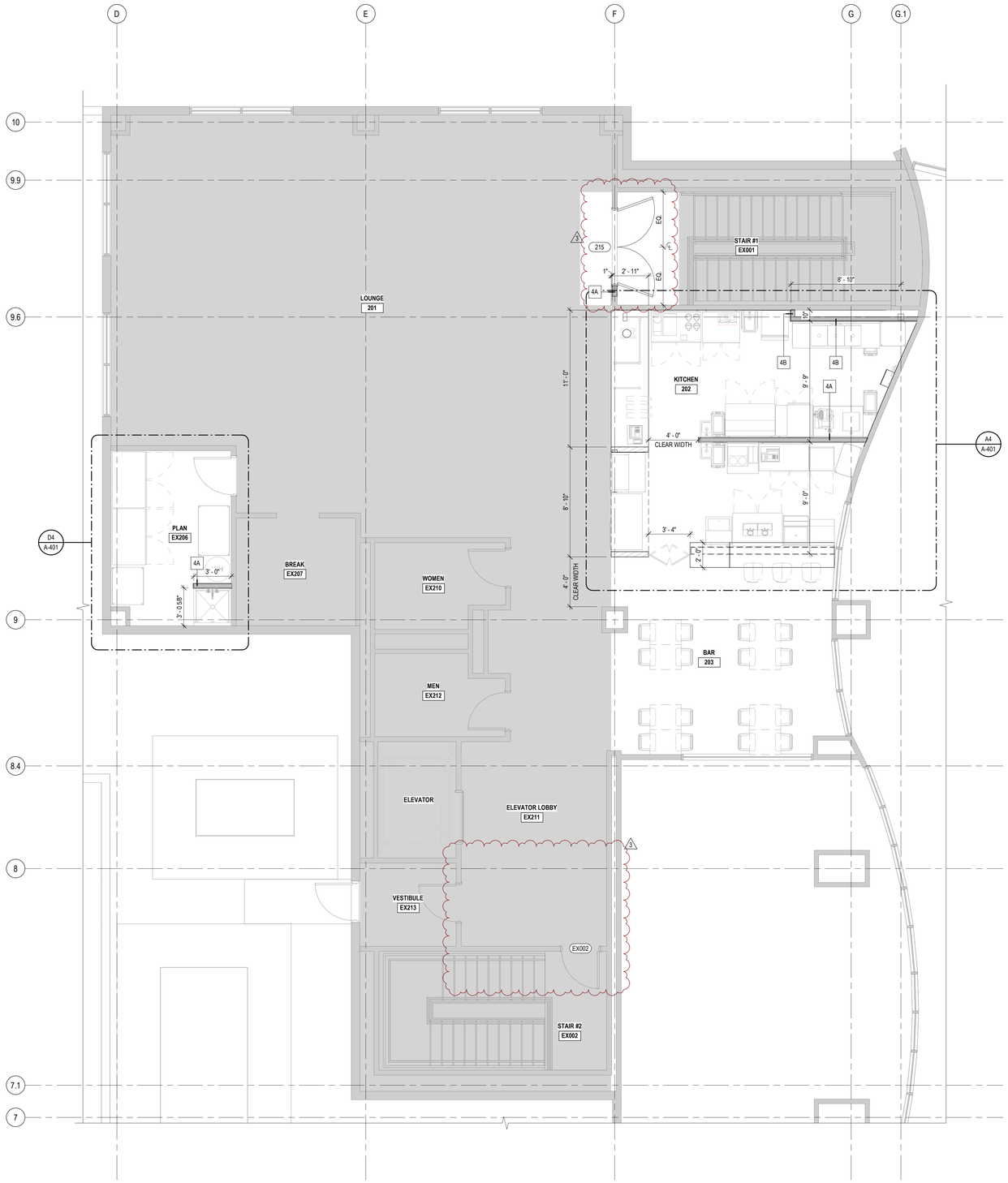
OVERALL SECOND FLOOR PLAN

A-102

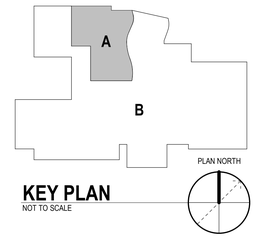
A-102 OVERALL SECOND FLOOR PLAN 1/22/2024 10:20:15 AM Autodesk Docs://jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt

GENERAL SHEET NOTES:

A. ALL DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ALL DISCREPANCIES PRIOR TO STARTING WORK.
B. ALL DIMENSIONS ARE FACE OF MASONRY, POURED CONCRETE, OR FACE OF STUD (WOOD OR METAL, U.N.O.
C. ALL INTERIOR PARTITIONS TO BE **TYPE 4A** UNLESS NOTED OTHERWISE. REFER TO SHEET A-000 FOR PARTITION DETAILS.
D. ALL INTERIOR DOOR FRAMES SHALL BE LOCATED A DISTANCE OF SIX INCHES FROM THROAT RETURN TO THE CLOSEST ADJACENT PERPENDICULAR PARTITION, U.N.O.
E. PROVIDE SOLID BLOCKING/BACKING IN-WALL CAVITIES AT ALL WALL MOUNTED CASEWORK, FIXTURES, EQUIPMENT AND SHELVING. REFER TO TYPICAL PARTITION AND BACK PLATE DETAILS FOR ADDITIONAL INFORMATION.
F. REFER TO MEP AND FIRE PROTECTION DRAWINGS FOR MOUNTING HEIGHTS OF SWITCHES, OUTLETS, ALARMS AND ALL SURFACE MOUNTED COMPONENTS.
G. REFER TO SHEET A-701 FOR DOOR SCHEDULE.
H. REFER TO SHEET A-701 FOR FINISH SCHEDULE AND FLOOR PATTERNS.



A3 SECOND FLOOR AREA PLAN
1/4" = 1'-0"



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE
1/4"=1'-0"
0 2' 4' 8' 12'

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

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ANDREW J. REMSTAD
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ANDY J REMSTAD 8845747-0301 12/21/2023
NAME REG. NO. DATE
FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: RCS | CHECKED: AMA | APPROVED: AJR

PROJECT NUMBER: **10016873.00**

SECOND FLOOR AREA PLAN

A-102A

A-102A SECOND FLOOR AREA PLAN 1/22/2024 10:25:21 AM Autodesk Docs://Jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt

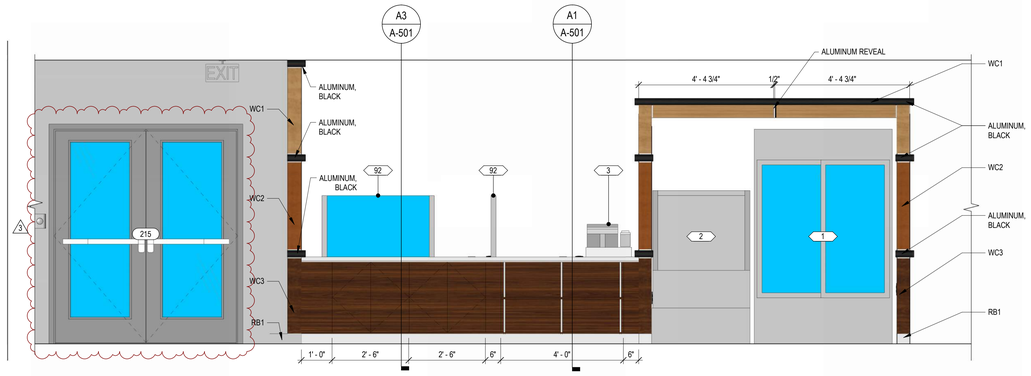
EQUIPMENT LIST

ITEM NO.	ITEM NAME
1	SLIDING GLASS DOOR PEPSI COOLER
2	GRAB N GO DISPLAY CASE
3	P.O.S. - CASH REGISTER
4	36" WORK TOP FREEZER
5	36" WORK TOP REFRIGERATOR
6	48" WORK TOP REFRIGERATOR
7	48" FOOD PREP REFRIGERATOR
8	2-DOOR REACH-IN REFRIGERATOR
9	2-DOOR REACH-IN FREEZER
11	48" DRAFT BEER COOLER
12	12" STAINLESS STEEL DUMP SINK
13	48" BAR BACK COOLER W/ CASTERS
15	HAND SINK W/ SPLASH GUARDS HAND TOWEL ROLL DISPENSER SOAP DISPENSER
16	ICE MAKER
17	HIGH VOLUME WATER FILTER
18	COUNTERTOP HIGH-SPEED OVEN
19	BLENDER
24	COFFEE BREWER
25	ESPRESSO MACHINE
26	ESPRESSO GRINDER
27	MULTI-HOPPER COFFEE GRINDER
28	SLICER
29	3-COMPARTMENT SINK WALL-MOUNT PRE-RINSE FAUCET (3) TWIST WASTE VALVES
30	48" PREP TABLE W/ SINK, LEFT TWIST WASTE VALVE DECK MOUNT 4" CENTER FAUCET
31	24" UNDERBAR ICE BIN DOUBLE SS SPEEDRAIL
32	HOT WATER HEATER
33	TRASH CAN
33A	UNDERCOUNTER TRASH CAN
34	30"X30" SS TABLE W/ 4" BACKSPLASH & UNDERSHELF
35	STAINLESS STEEL WALL-MOUNTED SHELF
36	EPOXY WIRE WALL-MOUNTED SHELF
37	METRO SHELF UNIT
39	TICKET PRINTER FROM POS
40	KNOCK BOX
41	AIRPOT
42	GLASSWASHER - LOW TEMP
43	MUG FROSTER W/ CASTERS
45A	WALL-MOUNTED (W/ FIN) SS SPLASH GUARD W/ 1" RADIUS OUTSIDE CORNERS
45B	WALL-MOUNTED (W/ FIN) SS SPLASH GUARD W/ 1" RADIUS OUTSIDE CORNERS
46	FLOATING GLASS BATHROOM SHELF FINISH: BRUSHED STEEL
47	DROP-IN CUP DISPENSER W/ CAGE
70,71	42" MONITOR CEILING MOUNTED TV HANGER
72	60" MONITOR CEILING MOUNTED TV HANGER
76	MOP SINK
77	STAINLESS STEEL UTILITY SHELF MOP HOLDER
78	MOP SINK FAUCET
91	SELF-CLOSING CAFE GATE, PAIR
92	24"H SNEEZE GUARD
93	24"X24" SS CABINET W/ DOOR AND LOCK W/ CASTERS

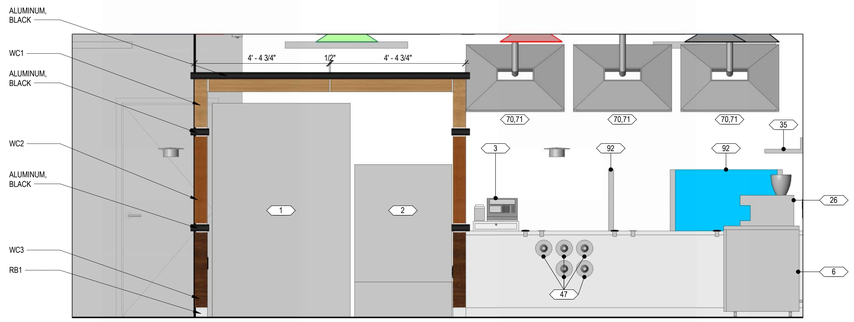
NOTE:
SEE SHEET A-401 FOR FULL KITCHEN EQUIPMENT SCHEDULE.

GENERAL SHEET NOTES:

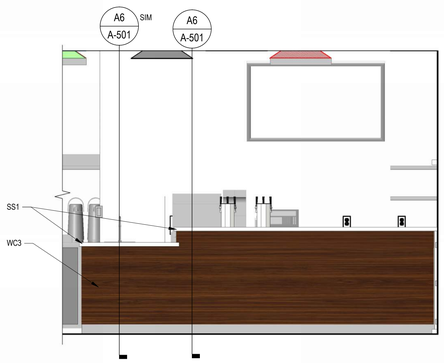
1. SEE FINISH SCHEDULE FOR ALL FINISH MATERIALS NOTED.



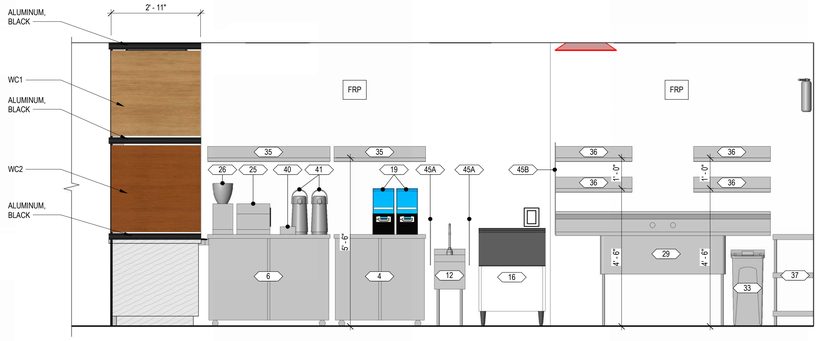
E2 INT. ELEV. - COUNTER - SERVICE SIDE
1/2" = 1'-0"



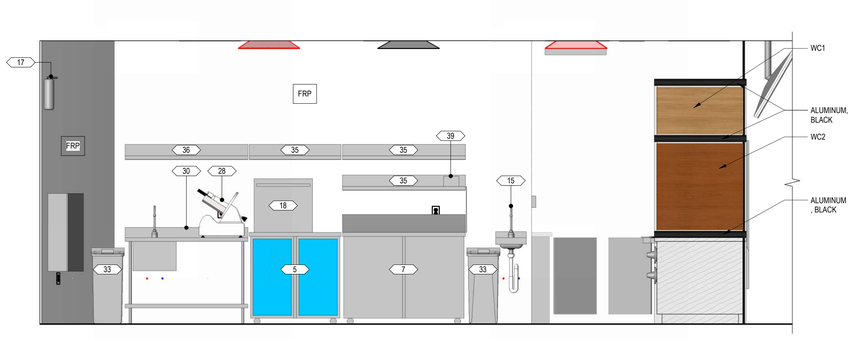
E5 INT. ELEV. - COUNTER - EMPLOYEE SIDE
1/2" = 1'-0"



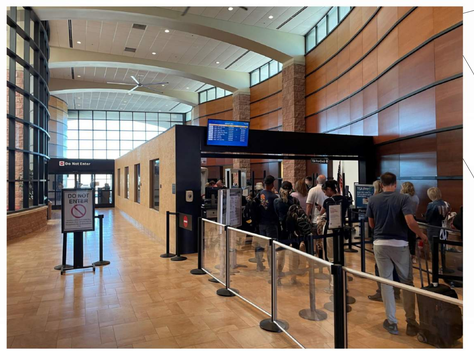
A7 INT. ELEV. - BAR - SERVICE SIDE
1/2" = 1'-0"

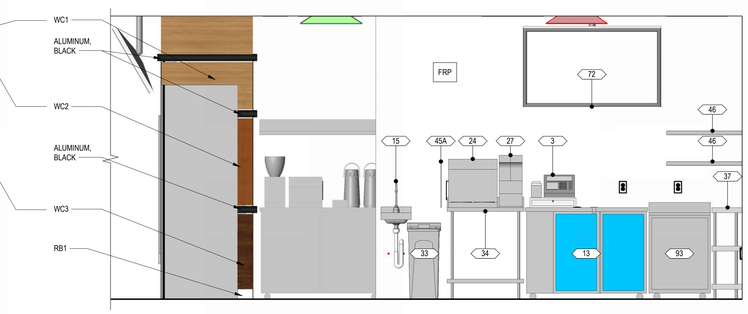


C2 INT. ELEV. - KITCHEN - NORTH
1/2" = 1'-0"

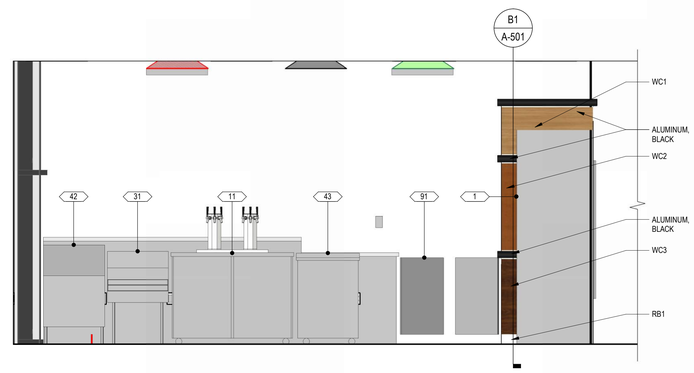


C5 INT. ELEV. - KITCHEN - SOUTH
1/2" = 1'-0"





A1 INT. ELEV. - BAR - NORTH
1/2" = 1'-0"



A4 INT. ELEV. - BAR - SOUTH
1/2" = 1'-0"

GRAPHIC SCALE
1/2"=1'-0" 0 6" 1' 2' 3' 4' 5' 6'

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NAME REG. NO. DATE
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DRAWN: RCS | CHECKED: AMA | APPROVED: AJR

PROJECT NUMBER: **10016873.00**

INTERIOR ELEVATIONS

A-402

Autodesk Docs://Aviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt
1/22/2024 10:37:21 AM
A-402 INTERIOR ELEVATIONS

FINISH LEGEND

TAG	MATERIAL	MANUFACTURER	STYLE / TYPE	COLOR / FINISH	SIZE	INSTALLATION
ACT1	ACOUSTIC CEILING TILE	ARMSTRONG	CALLA HEALTH ZONE 2232 / 9/16" SQUARE TEGULAR	WHITE	24"W X 24"L X 1"D	
FRP	FIBERGLASS REINFORCED PLASTIC PANELS	CRANE COMPOSITES	GLASBORD WALL PANELS / PEBBLED EMBOSSED TEXTURE	WHITE, 85. SURFASEAL	48"W X 10'-0"H X .05"D	
PNT1	WALL PAINT	SHERWIN WILLIAMS	COLOR MATCH EXISTING	SEMI-GLOSS	-	
PNT2	DOOR AND FRAME PAINT	SHERWIN WILLIAMS	COLOR MATCH EXISTING	SEMI-GLOSS	-	
RB1	RESILIENT WALL BASE	TARKETT/JOHNSONITE	-	SANDALWOOD #45	4"H	
SC1	SEALED CONCRETE	-	-	-	-	SEAL EXISTING CONCRETE
SS1	SOLID SURFACE COUNTERTOP	ARISTECH SURFACES	STUDIO COLLECTION	COPPER CANYON #8570	1/2" THICK	
SSB1	STAINLESS STEEL WALL BASE	CRANE COMPOSITES	SANI-BASE	-	-	
TS1	TRANSITION STRIP - TILE TO CARPET	ASSA ABLOY	PEMKO HALF SADDLE / OFFSET SADDLE THRESHOLD	DARK BRONZE ANODIZED ALUMINUM	V.I.F.	CONFIRM MODEL TYPE NEEDED IN FIELD
TS2	TRANSITION STRIP - TILE TO TILE	ASSA ABLOY	PEMKO SADDLE THRESHOLD	DARK BRONZE ANODIZED ALUMINUM	V.I.F.	CONFIRM MODEL TYPE NEEDED IN FIELD
TS3	TRANSITION STRIP - CARPET TO CONCRETE	SCHLUTER	RENO-U	STAINLESS STEEL	-	CONFIRM HEIGHT WITH EXISTING CARPET
WC1	WALL COVERING	CONSTRUCTION SPECIALTIES	ACROVYN WALL COVERING	WOODGRAIN 1609 WHITE PAPYRUS	.06" THICK	
WC2	WALL COVERING	CONSTRUCTION SPECIALTIES	ACROVYN WALL COVERING	WOODGRAIN 373 AMBER CHERRY	.06" THICK	
WC3	WALL COVERING	CONSTRUCTION SPECIALTIES	ACROVYN WALL COVERING	WOODGRAIN 1611 WARM BEIGE PAPYRUS	.06" THICK	

DOOR SCHEDULE

DOOR NO.	DOOR TYPE	DOOR SIZE WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	UNDER CUT	FRAME TYPE	MATERIAL	FINISH	RATING STC	FIRE	DETAILS HEAD	JAMB	SILL	HARDWARE NO.	DOOR NOTES
161	D2	6' - 0"	7' - 0"	0' - 1 3/4"	HM	PNT2		F1	HM	PNT2	-	-	C1 / A-701	C2 /A-701	-	1	1
162	D3	6' - 0"	7' - 0"	0' - 1 3/4"	-	-		-	-	-	-	90 MIN.	-	-	-	3	2,3
215	D3	6' - 0"	7' - 0"	0' - 1 3/4"	-	-		-	-	-	-	90 MIN.	-	-	-	3	2,3
EX002	D1	3' - 0"	7' - 0"	0' - 1 3/4"	EXIST.	EXIST.		F1	EXIST.	EXIST.	-	-	-	-	-	2	4

DOOR NOTES:
1. MATCH ADJACENT METAL DOOR COLOR.
2. B.O.D. TO BE SAFTIFIRST 90 MIN. FIRE RESISTIVE GPX PAIR DOORS, 500-DP-90R-IIXL, 5" FIRE RESISTIVE GPX PAIR DOOR WITH SUPERLITE II-XL 90- INTERIOR APPLICATION. CONFIRM DOOR SIZE WITH MFR. INSTALL PER MFR INSTALATION RECOMMENDATION.
3. EACH DOOR TO RECEIVE ELECTROMAGNETIC DOOR HOLDER AND FIRE-SAFETY AUTOMATIC RELEASING DEVICE. B.O.D. TO BE SECURITY DOOR CONTROLS EH SERIES, MODEL #EH3024120A. SEE ELECTRICAL DRAWINGS.
4. ACCESS CONTROL TO MATCH EXISTING. B.O.D. TO BE HID iCLASS RK40 SE STANDARD PROFILE KEYPAD READER, TERMINAL STRIP, 921NTNTEK00000.

FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL MATERIAL	WALL FINISH	CEILING MATERIAL	CEILING FINISH	NOTES
201	LOUNGE	EXIST	EXIST	GWB / EXIST	PNT1 / EXIST	EXIST	EXIST	
202	KITCHEN	SC1	SSB1	GWB / EXIST	FRP	ACT1	-	1, 2
203	BAR	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX001	STAIR #1	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX002	STAIR #2	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX206	PLAN	SC1	EXIST	EXIST	FRP	EXIST	EXIST	1
EX207	BREAK	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX210	WOMEN	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX211	ELEVATOR LOBBY	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX212	MEN	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX213	VESTIBULE	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX214	MECHANICAL STORAGE	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	

FINISH SCHEDULE NOTES

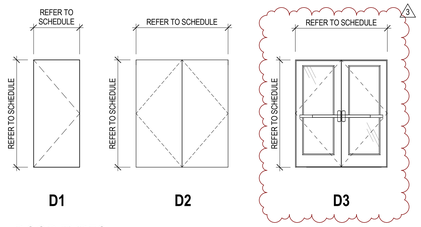
1. EXISTING FLOOR FINISH TO BE REMOVED. SEAL EXISTING CONCRETE.
2. EXISTING CEILING TILES ABOVE KITCHEN AREA TO BE REMOVED AND REPLACED WITH TILE TYPE LISTED. THE CEILING GRID IS EXISTING TO REMAIN.

HARDWARE SCHEDULE

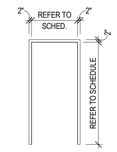
HW. GROUP	DOORS		
HW 1	161		
6	HINGES	BB31 4 1/2 X 4 1/2 US26D	CR
2	POWER TRANSFER	CRPT-10 AL	CR
2	CLOSER	CR441xCR3077SPAS AL	CR
2	EXIT DEVICE	3547A EL RX LD EO 315 3'	VD
2	PULL HANDLE	392-6	IV
2	TRIM	ICCVRESC05 US26D	CR
1	POWER SUPPLY	CRPS2	CR
ACCESS CONTROL BY SECURITY CONTRACTOR			
HW 2	EX002		
EXISTING HARDWARE ACCESS CONTROL BY SECURITY CONTRACTOR			
HW 3	162, 215		
6	HINGES	BY MFR.	
2	ELEC. CLOSER	CR441EHO 689	CR
2	EXIT DEVICE	SVR AF7760V US32D	CR
2	TRIM	ESC7700 US32D	CR
2	KICKPLATE	10"X2" LDW US32D	CR
BOTTOMS, WEATHERSTRIPPING, AND STILES BY MFR.			

MANUFACTURERS IN HARDWARE SET FOR BASIS OF DESIGN

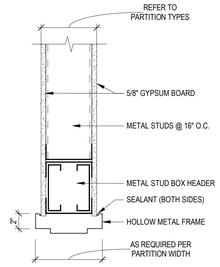
CR	CAL-ROYAL
IV	IVES
VD	VON DUPRIN



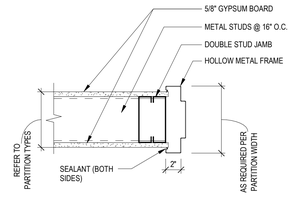
DOOR TYPES
1/4" = 1'-0"



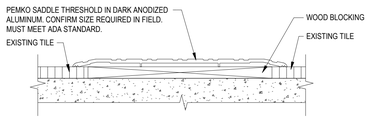
DOOR FRAME
1/4" = 1'-0"



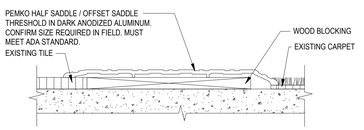
C1 DOOR HEAD DETAIL
1 1/2" = 1'-0"



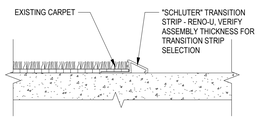
C2 DOOR JAMB DETAIL
1 1/2" = 1'-0"



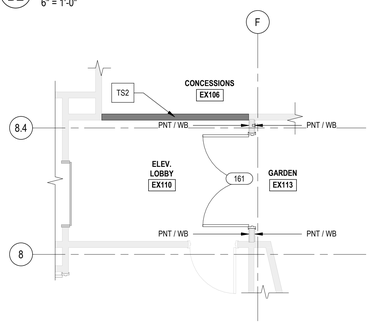
B2 TILE TO TILE TRANSITION (TS2)
6" = 1'-0"



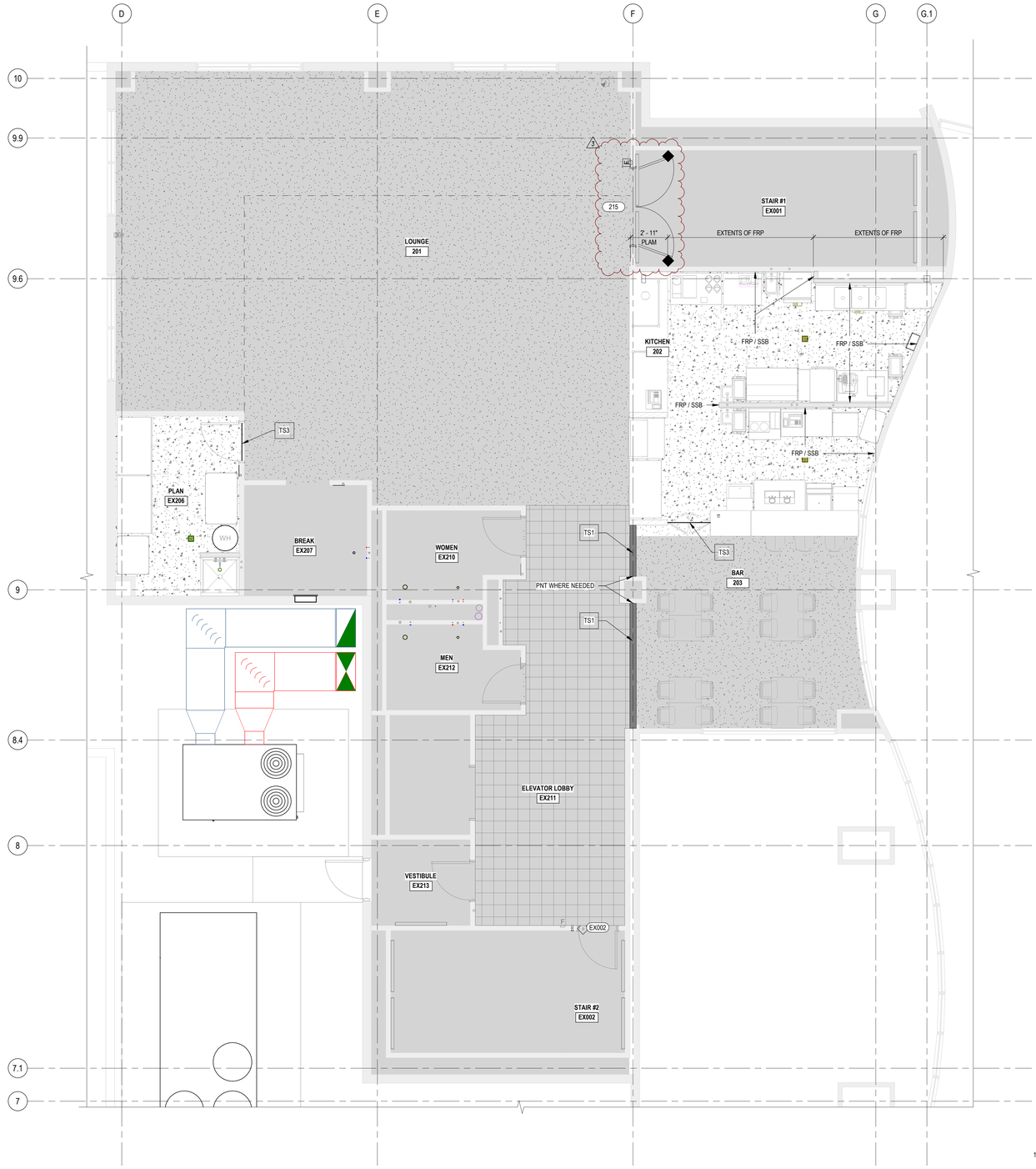
B1 TILE TO CARPET TRANSITION (TS1)
6" = 1'-0"



A1 CARPET TO CONCRETE TRANSITION (TS3)
6" = 1'-0"



A2 FIRST FLOOR FINISH PLAN
1/4" = 1'-0"



A4 SECOND FLOOR FINISH PLAN
1/4" = 1'-0"

PLAN NORTH

GRAPHIC SCALE
1/4"=1'-0" 0 2' 4' 8' 12'
1 1/2"=1'-0" 0 3" 6" 9" 1' 2'
6"=1'-0" 0 1" 2" 3" 6"

GENERAL SHEET NOTES:

A. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.
B. ALL EXISTING MATERIALS TO REMAIN WHICH ARE DAMAGED OR OTHERWISE DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE PATCHED AND REPAIRED TO MATCH EXISTING ADJACENT MATERIALS SO THAT REPAIR IS IMPERCEPTIBLE.
C. ON ALL ARCHITECTURAL SHEETS, ALL MATERIALS NOTED ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING. ALL MATERIALS NOTED AS EXISTING SHALL REMAIN UNLESS SPECIFICALLY NOTED TO BE REMOVED. SEE DEMOLITION AND NEW WORK NOTES FOR SPECIFIC NOTES.
D. ALL FLOOR FINISH TRANSITIONS SHALL BE CONCEALED BY A CLOSED DOOR.
E. HATCH PATTERNS ON FINISH PLANS ARE REPRESENTATIONAL ONLY TO DISTINGUISH COLOR CHANGES, UNLESS OTHERWISE NOTED.
F. ALL FLOORS ON EITHER SIDE OF A DOORWAY OR OPENING SHALL BE LEVEL AND HAVE MAXIMUM ELEVATION DIFFERENCE OR THRESHOLD HEIGHT OF 1/2".
G. DOOR OPENINGS NOT LOCATED BY DIMENSION SHALL BE 4" FROM THE FACE OF STUD TO FACE OF STUD OF DOOR FRAME JAMB UNLESS NOTED OTHERWISE.
H. DOOR SIZES, STYLES, AND SPECIFICATIONS, ROUGH OPENING SIZES AND EXACT LOCATIONS TO BE CHECKED AND VERIFIED BY THE CONTRACTOR BEFORE ORDERING AND BEFORE CONSTRUCTION BEGINS.

LEGEND:

- EXISTING CARPET
- EXISTNG TILE
- SC1 (EXISTING CONCRETE TO BE SEALED)

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION
4539 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID
3	AJR	01/22/2024	ADDENDUM #2

ISSUED FOR BID

STATE OF UTAH
ANDREW J. REMSTAD
No. 8845747-0301
12/21/2023
LICENSED ARCHITECT

ANDY J REMSTAD	8845747-0301	12/21/2023
NAME	REG. NO.	DATE

FOR AND ON BEHALF OF JVIATION, INC.

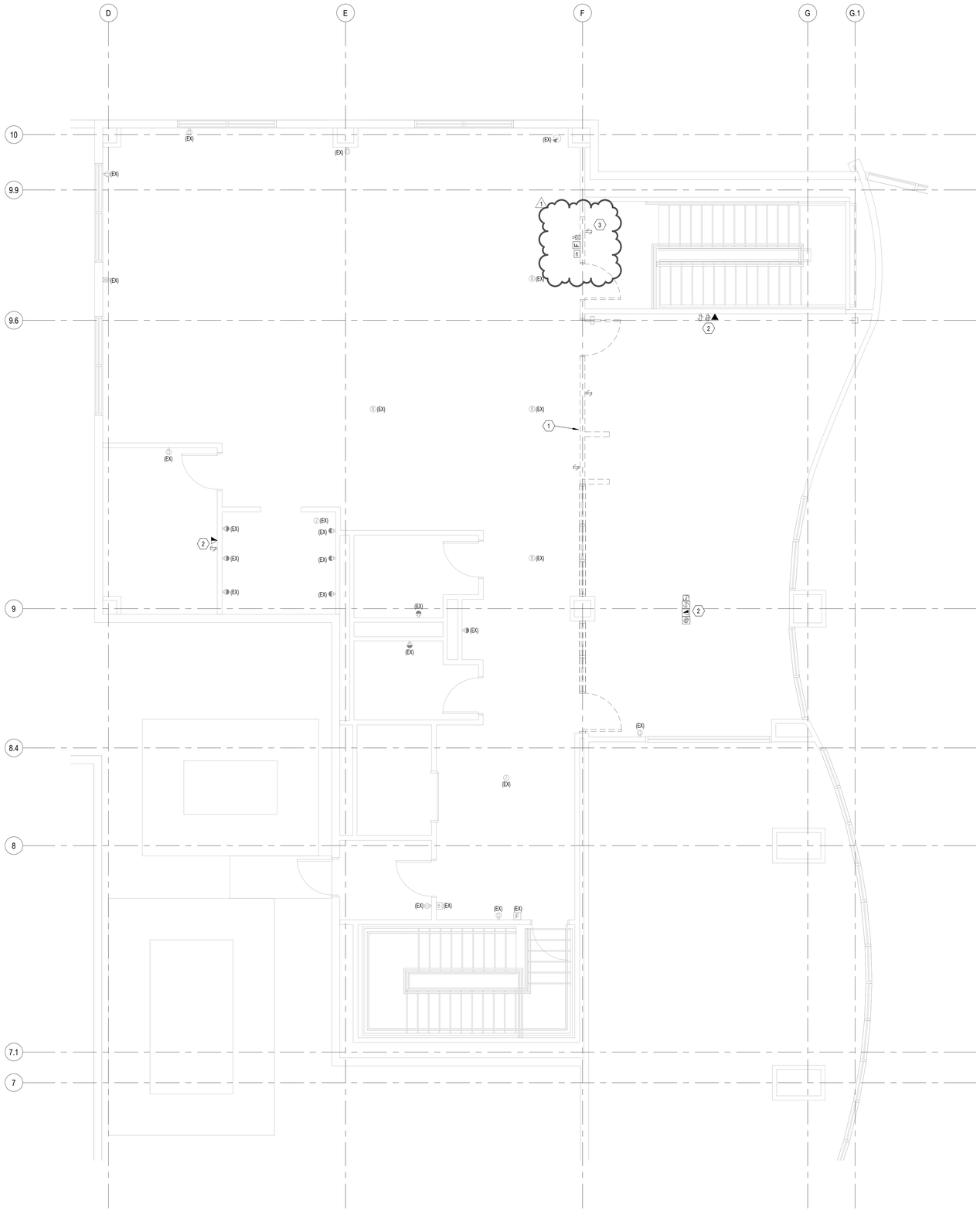
DRAWN: RCS | CHECKED: AMA | APPROVED: AJR

PROJECT NUMBER: **10016873.00**

FINISH PLAN & SCHEDULE, DOOR SCHEDULE & DETAILS

A-701

Autodesk Docs://Jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt
A-701 FINISH PLAN & SCHEDULE, DOOR SCHEDULE & DETAILS 1/22/2024 10:42:05 AM



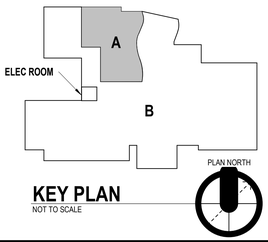
1 LEVEL 2 POWER DEMOLITION PLAN
ED102 1/4" = 1'-0"

KEYED NOTES

1. DEMOLISH ANY EXISTING ELECTRICAL DEVICES ON THIS WALL. DEMOLISH CIRCUIT BACK TO NEAREST REMAINING DEVICE. CIRCUIT INTEGRITY IS TO BE PRESERVED. IF NO DEVICES REMAIN DEMOLISH EXISTING CIRCUIT IN ITS ENTIRETY BACK TO SOURCE AND MARK BREAKER AS SPARE.
2. DEMOLISH EXISTING ELECTRICAL DEVICE. DEMOLISH CIRCUIT BACK TO NEAREST REMAINING DEVICE. CIRCUIT INTEGRITY IS TO BE PRESERVED. IF NO DEVICES REMAIN DEMOLISH EXISTING CIRCUIT IN ITS ENTIRETY BACK TO SOURCE AND MARK BREAKER AS SPARE.
3. DEMOLISH EXISTING ELECTRICAL DEVICE. PRESERVE CIRCUIT FOR REUSE DURING NEW CONSTRUCTION PHASE.

GENERAL NOTES

A. EC SHALL COORDINATE WITH ALL OTHER TRADES DURING DEMOLITION AND CONSTRUCTION TO FACILITATE TIMELY WORK.
B. ALL AREAS ARE TO BE KEPT CLEAN AND CLEAR OF DEBRIS AT ALL TIMES.
C. CONTRACTOR SHALL PATCH AND REPAIR ALL WALLS, CEILINGS ETC. TO MATCH EXISTING CONDITIONS. PENETRATIONS SHALL BE SEALED WITH FIRE RATED CAULK.
D. ROUTE ALL CONDUIT IN A NEAT AND ORDERLY FASHION. ALL CONDUIT SHALL BE CONCEALED ABOVE CEILINGS OR IN WALLS OR FINISHED SPACES UNLESS OTHERWISE INDICATED ON THE PLANS.
E. DEVICES SHOWN ON DEMOLITION SHEETS ARE GATHERED FROM AS-BUILT DRAWINGS AND FIELD INVESTIGATION. NOT ALL DEVICES ARE SHOWN. DEVICE PLACEMENT IS SCHEMATIC AND NOT EXACT. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND COORDINATE WORK WITH ALL OTHER DEVICES, EQUIPMENT, CONDUIT, ETC. WHETHER OR NOT SHOWN TO COMPLETE PROJECT.
F. CONTRACTOR TO COORDINATE WITH OWNER FOR ITEMS TO BE SALVAGED PRIOR TO DEMOLITION. CONTRACTOR RESPONSIBLE FOR DISPOSING OF ANY MATERIAL THAT THE OWNER DOES NOT WANT TO KEEP.
G. CAP AND LABEL ALL EMPTY CONDUIT TO REMAIN.
H. DEVICES/EQUIPMENT SHOWN IN GRAY ARE EXISTING TO REMAIN. PRESERVE AND PROTECT. MAINTAIN EXISTING CIRCUIT INTEGRITY.



KEY PLAN
NOT TO SCALE

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

181 East 5600 South
Murray, Utah 84107
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www.vbfa.com
VBFA Project #: 23643

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790
A PROJECT FOR:
St. George Regional Airport

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1		01.18.23	Addendum 2

PERMIT SET

LICENSED PROFESSIONAL ENGINEER
Lewis Wong
No. 9075170
12/15/23
STATE OF UTAH

12/15/23
NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

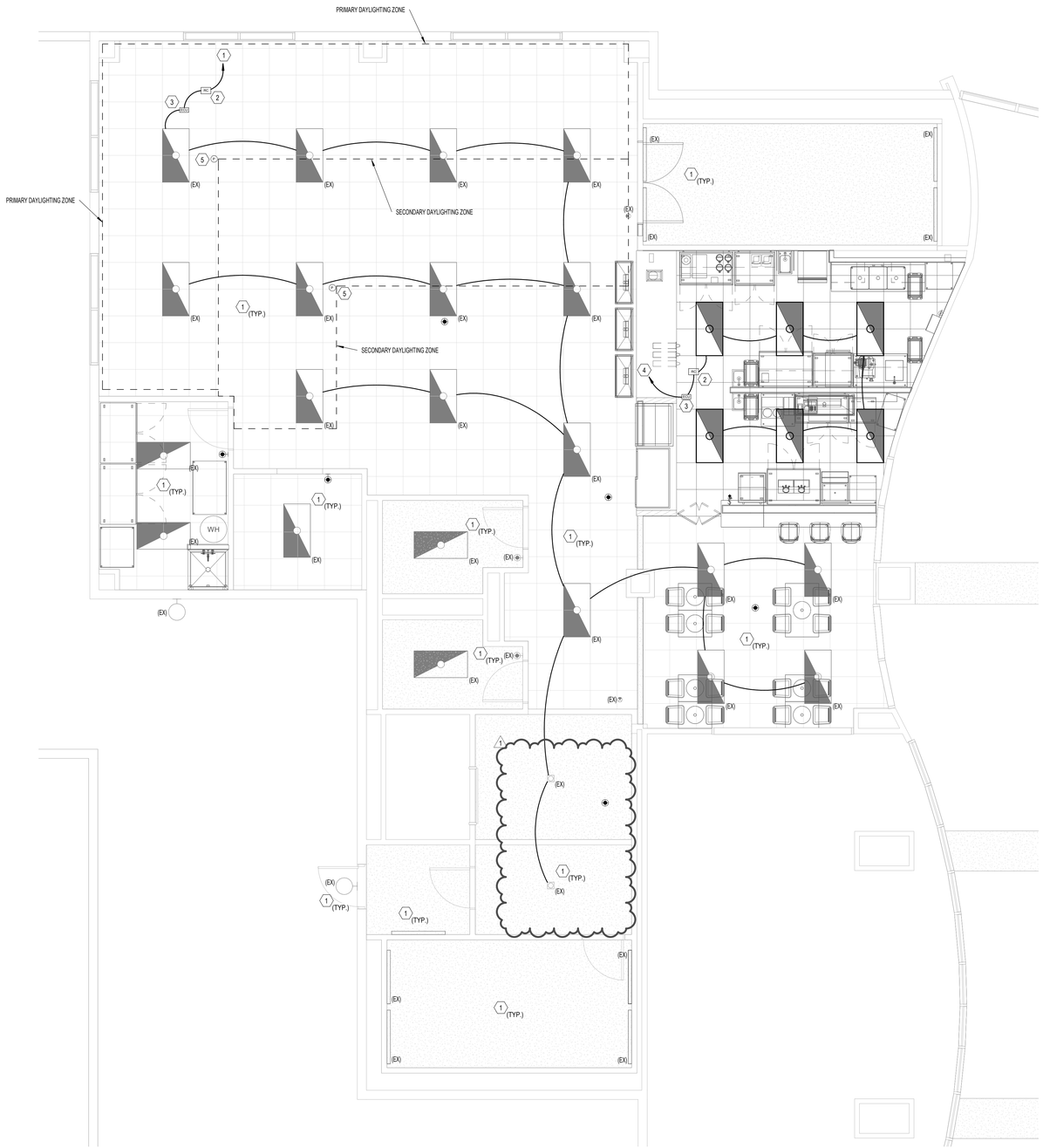
DRAWN: AC | CHECKED: RM | APPROVED: LW

PROJECT NUMBER: 10016873.00

LEVEL 2 POWER DEMOLITION PLAN

ED102

ED102 LEVEL 2 POWER DEMOLITION PLAN 9/9/2024 11:26:34 AM Autodesk Docs://Jviation - SGU Hub/23643_St. George Airport Terminal Renovation_v22_ELEC.rvt



1 EL101 LEVEL 2 LIGHTING PLAN
1/4" = 1'-0"

KEYED NOTES

1. EXISTING CIRCUITS FEEDING EXISTING LIGHT FIXTURES ARE TO REMAIN UNLESS OTHERWISE NOTED. PROVIDE NEW CONTROLS AS INDICATED ON PLANS. CIRCUITING INDICATED FOR EXISTING FIXTURES ARE FOR REFERENCE ONLY.
2. PROVIDE AND INSTALL A ROOM CONTROLLER TO CONTROL LIGHTING. ROOM CONTROLLER SHALL BE HUBBELL CONTROL SOLUTIONS NXRC-1R OR APPROVED EQUAL. EC SHALL PROVIDE NXBTC MODULE.
3. EC SHALL PROVIDE A SEPARATE UL924 GENERATOR TRANSFER DEVICE (GTD) FOR EMERGENCY LIGHTS ON GENERATOR. WHEN THE COMMERCIAL POWER FAILS DESIGNATED FIXTURES SHALL DELIVER FULL OUTPUT REGARDLESS OF THE POSITION OF THE CONTROL DEVICE. RUN AN UNSWITCHED CIRCUIT TO THE UL924 GTD DEVICE IN A SEPARATE RACEWAY. EM LIGHTS TO BE SWITCHED WITH NORMAL LIGHTING AS SHOWN ON PLANS DURING NORMAL COMMERCIAL POWER OPERATION. PROVIDE ALL CONTROLS, CONDUITS, AND CONDUCTORS, ETC. FOR A COMPLETE INSTALLATION.
4. CIRCUIT NEW EMERGENCY TO NEAREST EXISTING EMERGENCY POWER LIGHTING CIRCUIT. EC TO VERIFY A MAXIMUM OF NO MORE THAN 12 AMPS PER LIGHTING CIRCUIT.
5. FURNISH AND INSTALL A PHOTOCELL TO DIM THE LIGHTS INDICATED IN THE SPACE WHEN SUFFICIENT DAYLIGHT IS PRESENT. COORDINATE WITH OWNER/ARCHITECT FOR FOOTCANDLE THRESHOLD REQUIREMENTS. PROVIDE CONDUIT, CONDUCTORS, POWER PACKS, ETC. AS NEEDED FOR A COMPLETE INSTALLATION.

GENERAL NOTES

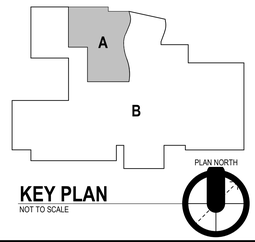
A. CIRCUIT EXIT AND EMERGENCY LIGHTS TO THE SAME CIRCUIT FEEDING THE LIGHTING IN THE AREA. RUN AN UNSWITCHED HOT CONDUCTOR UPSTREAM OF THE RELAY, POWER PACK, OR SWITCH TO EXIT AND EMERGENCY LIGHT FIXTURES.

B. LIGHTING CALLOUTS ARE TYPICAL FOR OTHER LIGHTS IN THE ROOM OF THE SAME LUMINAIRE SYMBOL UNLESS INDICATED OTHERWISE.

C. EMERGENCY EGRESS LIGHTS SHALL BE WIRED SUCH THAT WHEN COMMERCIAL POWER FAILS, EACH LIGHT WILL DELIVER ITS MAXIMUM LUMEN OUTPUT REGARDLESS OF THE POSITION OF THE CONTROL DEVICE. RUN AN UNSWITCHED HOT CONDUCTOR AHEAD OF THE SWITCHING DEVICE TO THE GENERATOR TRANSFER DEVICE FROM THE SAME CIRCUIT AS NORMAL FIXTURE OPERATION. LIGHTS TO BE SWITCHED AS SHOWN DURING NORMAL OPERATION.

D. DEVICES/EQUIPMENT SHOWN IN GRAY ARE EXISTING TO REMAIN. PRESERVE AND PROTECT. MAINTAIN EXISTING CIRCUIT INTEGRITY.

E. SCHEDULE SITE VISIT WITH ENGINEER AND INTERIOR DESIGNER TO PROGRAM LIGHT LEVELS OF ZONES IN SPACE AND AIM LUMINAIRES AFTER LIGHTS AND LIGHTING CONTROLS ARE INSTALLED AND IN WORKING ORDER. PROVIDE LADDERS, LIFTS, TOOLS, ETC AS REQUIRED TO ADJUST AND AIM THE LUMINAIRES.



KEY PLAN
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www.vbfa.com
VBFA Project #: 23643

TERMINAL RENOVATION
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ST. GEORGE, UTAH 84790
A PROJECT FOR:
St. George Regional Airport

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1		01.18.23	Addendum 2

PERMIT SET

LICENSED PROFESSIONAL ENGINEER
Lewis Wong
No. 9075170
12/15/23
STATE OF UTAH

12/15/23
NAME REG. NO. DATE
FOR AND ON BEHALF OF JVIATION, INC.

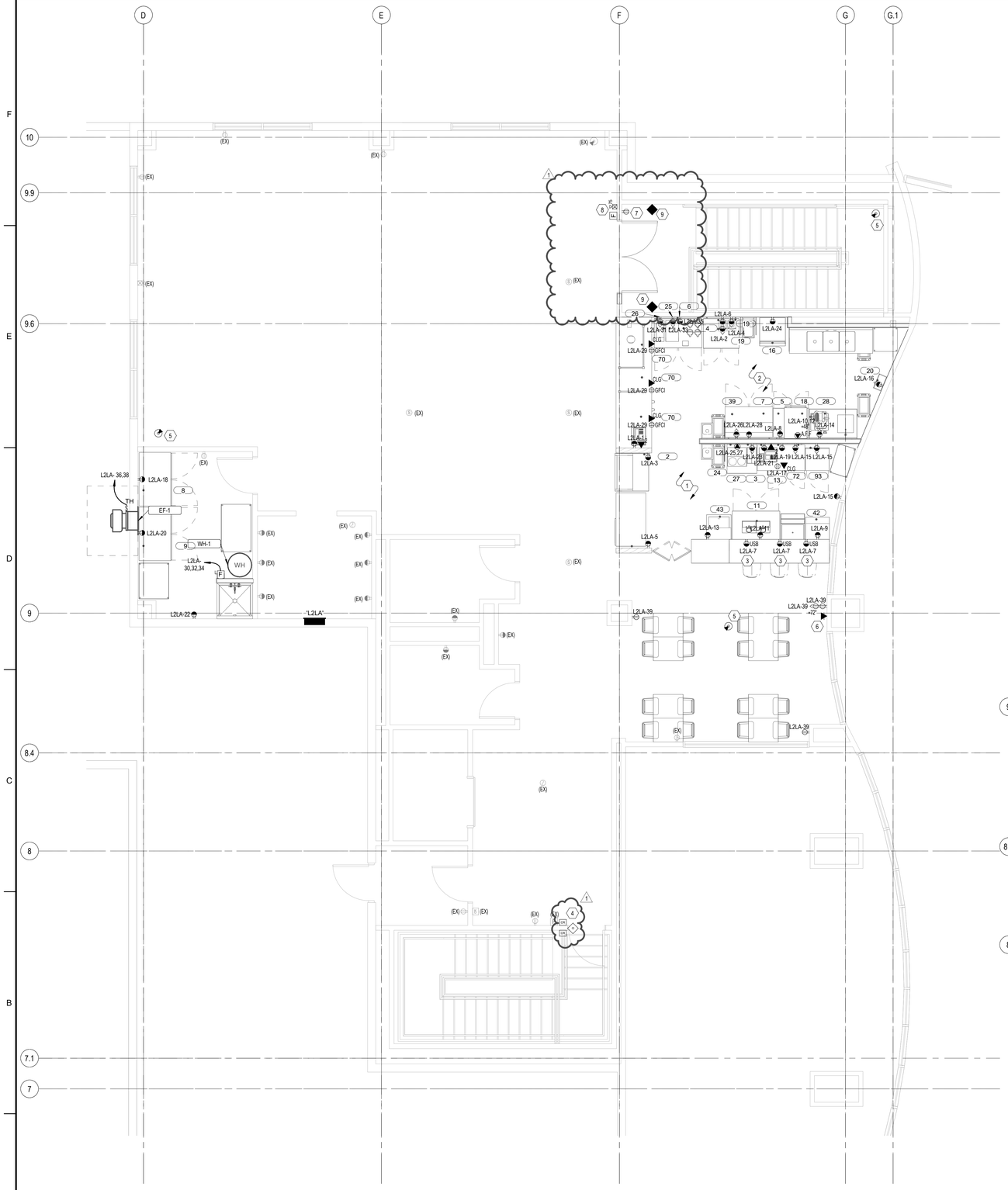
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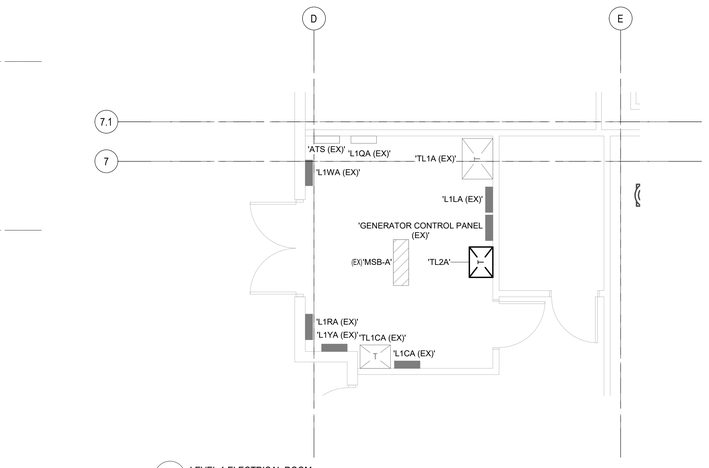
LEVEL 2
LIGHTING PLAN

EL101

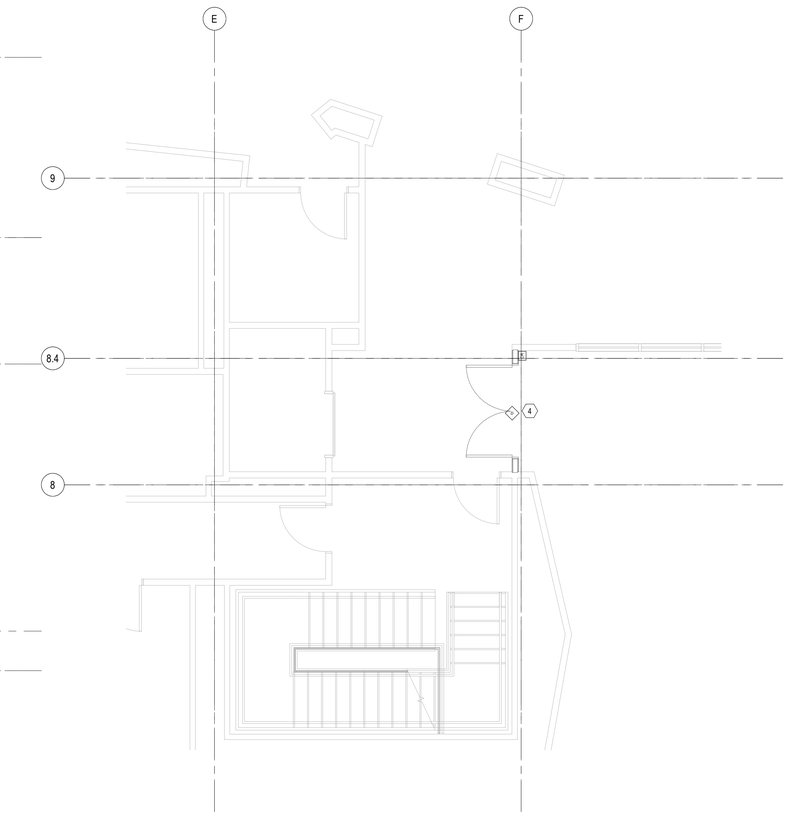
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1 EP101 LEVEL 2 POWER PLAN
1/4" = 1'-0"



3 EP101 LEVEL 1 ELECTRICAL ROOM
1/4" = 1'-0"



2 EP101 ENLARGED LEVEL 1 ELEVATOR LOBBY
1/4" = 1'-0"

KEYED NOTES

1. COORDINATE ALL DEVICE HEIGHTS WITH OWNER/ARCHITECT AND MILLWORK PRIOR TO ROUGH-IN.
2. EC SHALL BE RESPONSIBLE FOR COORDINATING FINAL LOCATION OF ALL EQUIPMENT ONSITE PRIOR TO ROUGH-IN.
3. PROVIDE POP-OUT RECEPTACLE. REFER TO DETAIL 9/EG501 FOR MORE DETAIL.
4. APPROXIMATE LOCATION OF NEW CARD ACCESS DEVICE. REFER TO DOOR ACCESS CONTROL DETAIL ON SHEET EG501 FOR FURTHER INFORMATION. PROVIDE ALL CONDUIT WITH PULLSTRINGS AND BOXES REQUIRED FOR ACCESS CONTROL DEVICES. COORDINATE FINAL LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
5. NEW CAMERA LOCATIONS. COORDINATE EXACT LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN. EC TO PROVIDE CONDUIT AND JUNCTION BOXES AS REQUIRED. CAMERA BY OWNER'S VENDOR. EC SHALL PROVIDE CAT-6 CABLING AND A 120V CIRCUIT TO POWER CAMERA(S) IF REQUIRED.
6. FURNISH AND INSTALL A 4"X4"X2-3/8" J-BOX FOR TELEDATA OUTLETS. PROVIDE A SINGLE GANG MUD RING AND RUN A 1" CONDUIT FROM J-BOX TO NEAREST ACCESSIBLE CEILING SPACE TO STUB BOX WITH 12" OF SLACK WIRE.
7. CONNECT NEW RECEPTACLE TO EXISTING CIRCUIT CALLED OUT DURING DEMOLITION PHASE.
8. EC IS TO PROVIDE AND TIE NEW FIRE ALARM DEVICE INTO EXISTING FIRE ALARM SYSTEM. VERIFY ANY NEW DEVICES ARE COMPATIBLE WITH EXISTING SYSTEM. TEST SYSTEM UPON COMPLETION OF WORK.
9. EC IS TO PROVIDE POWER TO NEW MAGNETIC HOLD CONTACTS. COODINATE WITH DOOR INSTALLER FOR FINAL LOCATIONS OF MAGNETIC HOLDS. MAGNETIC HOLDS ARE TO BE TIED INTO AND CONTROLLED BY FIRE ALARM SYSTEM.

GENERAL NOTES

A. EC SHALL COORDINATE WITH ALL OTHER TRADES DURING DEMOLITION AND CONSTRUCTION TO FACILITATE TIMELY WORK.

B. ALL AREAS ARE TO BE KEPT CLEAN AND CLEAR OF DEBRIS AT ALL TIMES.

C. CONTRACTOR SHALL PATCH AND REPAIR WALLS, CEILINGS ETC. TO MATCH EXISTING CONDITIONS.

D. ROUTE ALL CONDUIT IN A NEAT AND ORDERLY FASHION. ALL CONDUIT IN FINISHED SPACES SHALL BE CONCEALED ABOVE CEILINGS OR IN WALLS UNLESS OTHERWISE INDICATED ON THE PLANS.

E. PROVIDE TAMPER-RESISTANT RECEPTACLES FOR SPACE IDENTIFIED IN NEC 406.12.

F. BRANCH CIRCUITS SHALL NOT EXCEED 3% VOLTAGE DROP.

G. PROVIDE CLEAR, TYPED, P-TOUCH LABELS ON THE COVERPLATE OF ALL RECEPTACLES INDICATING THE PANEL AND CIRCUIT NUMBER IT IS TIED TO. LABEL SHALL BE 1/8" LONGER THAN TEXT ON BOTH ENDS.

H. PROVIDE UPDATED TYPED CIRCUIT DIRECTORY WITH UNIQUE CIRCUIT DESCRIPTIONS PER NEI 408.4 FOR PANELS AFFECTED BY THIS PROJECT.

I. DEVICES/EQUIPMENT SHOWN IN GREY ARE EXISTING TO REMAIN. PRESERVE AND PROTECT. MAINTAIN EXISTING CIRCUIT INTEGRITY.

J. WIRE COUNTS FOR CIRCUIT CONDUCTORS ARE NOT SHOWN. PROVIDE THE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUIT AND SWITCHING CONNECTIONS SHOWN.

K. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANEL SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.

L. THIS DRAWING IS INTENDED TO SHOW ROUGH-IN LOCATIONS FOR ELECTRICAL CONNECTIONS TO FOOD SERVICE EQUIPMENT. THE GENERAL INTENT IS TO INDICATE ELECTRICAL LOAD, SIZE, AND HEIGHT OF THE REQUIRED ROUGH-IN. DIMENSIONS ARE FROM FINISH FLOOR TO CENTER OF BOX UNLESS NOTED OTHERWISE. REFER TO ARCHITECTURAL, MECHANICAL, AND FOOD SERVICE DRAWINGS FOR ADDITIONAL REQUIREMENTS AND COORDINATE ALL ELECTRICAL CONNECTIONS PRIOR TO ROUGH-IN.

M. PROVIDE ALL REQUIRED MATERIALS AND LABOR TO MAKE FINAL ELECTRICAL CONNECTION TO KITCHEN EQUIPMENT. COORDINATE ALL WORK WITH CURRENT CODES, INCLUDING DIVISION 26 SPECIFICATIONS.

N. VERIFY ALL MISCELLANEOUS MATERIALS REQUIRED FOR EACH CONNECTION, SUCH AS JUNCTION BOXES, OUTLETS, COVER PLATES, SWITCHES, CORD CAPS, CORDS, ETC. PROVIDE ALL MATERIALS NOT INCLUDED IN THE MANUFACTURED EQUIPMENT.

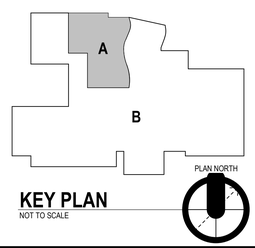
O. PROVIDE ALL DISCONNECTS AND/OR OTHER DEVICES REQUIRED BY APPLICABLE CODES.

P. PROVIDE LIQUID TIGHT FLEXIBLE CONNECTIONS AS REQUIRED FOR PERMANENTLY INSTALLED AND CONNECTED KITCHEN EQUIPMENT. PROVIDE SUFFICIENT SLACK AS REQUIRED BY OWNER TO ENABLE EQUIPMENT MOVEMENT FOR CLEANING.

Q. COORDINATE WITH THE KITCHEN EQUIPMENT CONTRACTOR AND PROVIDE CONDUIT, WIRE, AND LABOR TO INSTALL AND CONNECT ALL INSTALLED KITCHEN EQUIPMENT.

R. BRANCH CIRCUITS IN THE KITCHEN SHALL BE PROTECTED BY GFCI PER NEC 210.8(B)(2).

S. PROVIDE STAINLESS STEEL FACEPLATES FOR ALL DEVICES INSIDE KITCHEN AREA.



KEY PLAN
NOT TO SCALE

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TERMINAL RENOVATION

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VBFA Project #: 23643

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
St. George Regional Airport

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1		01.18.23	Addendum 2

PERMIT SET

LICENSED PROFESSIONAL ENGINEER
Lewis Wong
No. 9075170
12/15/23
STATE OF UTAH

12/15/23
NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: AC CHECKED: RM APPROVED: LW

PROJECT NUMBER: 10016873.00

LEVEL 2 POWER PLAN

EP101

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EP101 LEVEL 2 POWER PLAN

ST GEORGE REGIONAL AIRPORT

TERMINAL RENOVATION

4550 S AIRPORT PKWY, ST. GEORGE, UTAH, 84790

ISSUED FOR BID
21-DEC-2023

SCHEDULE I: TERMINAL RENOVATION
SCHEDULE II: TENANT KITCHEN EQUIPMENT

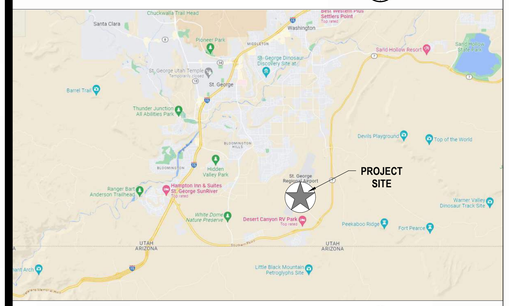
PROJECT TEAM

Architecture & Life Safety
Jviation, a Woolpert Company
720 South Colorado Blvd, Ste 1200-S
Glendale, CO 80246
Attn: Andy Remstad

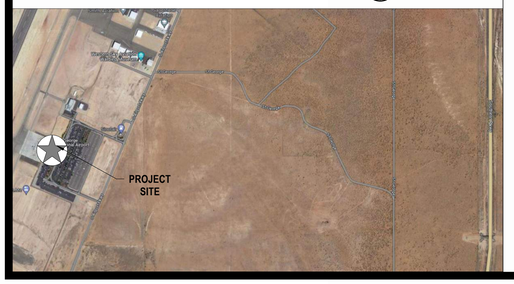
Civil Engineering
Jviation, a Woolpert Company
35 South 400 West, Ste 200
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Attn: Kirt McDaniel

Plumbing, Mechanical & Electrical Engineering
Fire Protection
VBFA Engineering
230 N 1680 E, Bldg V
St. George, UT 84790
Attn: Mike Johnson
Attn: Robert Moschowsky

LOCATION MAP



VICINITY MAP



PROJECT IMAGE







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G-003	GENERAL NOTES
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C-006	JOINT UTILITY NOTES
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P000	PLUMBING TITLE SHEET
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EP101	LEVEL 2 POWER PLAN

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ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

STATE OF UTAH
ANDREW J. REMSTAD
No. 8845747-0301
12/21/2023
LICENSED ARCHITECT

ANDY J REMSTAD	8845747-0301	12/21/2023
NAME	REG. NO.	DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: RCS	CHECKED: AMA	APPROVED: AJR

PROJECT NUMBER: **10016873.00**

COVER SHEET

G-001

Autodesk Docs://Jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt
12/22/2023 4:36:11 PM
G-001 COVER SHEET

GENERAL NOTES

1. IF DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, OR REPRESENT A SIGNIFICANT DIFFERENCE BETWEEN THE CONTRACT DOCUMENTS AND FIELD CONDITIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.

2. ALL CONTRACTORS SUBMITTING BID PROPOSALS FOR THIS PROJECT ARE REQUIRED TO VISIT THE SITE PRIOR TO BIDDING TO VERIFY EXISTING CONDITIONS AND FEASIBILITY OF DESIGN INTENT OF THESE CONSTRUCTION DOCUMENTS (CONSTRUCTION DRAWINGS AND SPECIFICATIONS). ANY VARIATION IN SITE CONDITIONS AND CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE'S ATTENTION IN WRITING IMMEDIATELY AND (5) BUSINESS DAYS PRIOR TO BID DATE, THE SUBMISSION OF BID PROPOSAL'S SHALL BE CONSIDERED EVIDENCE THAT THE CONTRACTOR HAS VISITED THE SITE, VERIFIED ITS CONDITIONS AND IS PREPARED TO PERFORM WORK AS INTENDED IN THESE DOCUMENTS. NO EXTRA PAYMENT'S SHALL BE ALLOWED DUE TO THE CONTRACTORS CLAIMS FOR EXTRA WORK REQUIRED BY THEIR FAILURE TO VISIT THE SITE.

3. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.

4. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE BEFORE CONTINUING WITH THE WORK.

5. EACH CONTRACTOR IS RESPONSIBLE FOR COORDINATING THEIR WORK WITH ALL SURROUNDING CONSTRUCTION ELEMENTS AND TRADES AFFECTED.

6. EACH CONTRACTOR IS RESPONSIBLE FOR CREATING ALL OPENINGS, PENETRATIONS, LINTELS, ETC. AS REQUIRED TO PERFORM THEIR PORTION OF WORK. AT FIRE RATED PARTITIONS, CLOSE OPENINGS / PENETRATIONS / ETC. WITH FIRESTOPPING THAT MATCHES OR EXCEEDS THE PARTITION RATING.

7. ALL ITEMS REQUIRING COLOR SELECTION SHALL BE SELECTED BY THE CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE DURING THE SUBMITTAL REVIEW FROM MANUFACTURERS' STANDARD OR FULL RANGE (AS DIRECTED IN SPECIFICATION) OF COLORS.

8. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR THE COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS AS REQUIRED TO PERFORM THE WORK AS CALLED FOR, SHOWN AND REASONABLY IMPLIED IN THE CONTRACT DOCUMENTS.

9. WHENEVER, IN THE CONTRACT DOCUMENTS, THE WORDS "PROVIDE", "FURNISH", "INSTALL", "FURNISH AND INSTALL", OR SIMILAR WORDS ARE USED, IT SHALL BE UNDERSTOOD THAT THE INTENT OF THE CONTRACT DOCUMENTS IS TO PROVIDE FOR THE CONSTRUCTION AND COMPLETION IN EVERY DETAIL THE WORK DESCRIBED. IT SHALL BE UNDERSTOOD "TFCI" SHALL MEAN TENANT FURNISHED CONTRACTOR INSTALLED, AND "CFCI" SHALL MEAN CONTRACTOR FURNISHED CONTRACTOR INSTALLED. IT IS FURTHER INTENDED THAT THE CONTRACTOR SHALL FURNISH ALL LABOR, SUPERVISION, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, SUPPLIES, TESTING, AND INCIDENTALS REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE DRAWINGS (PLANS), SPECIFICATIONS, AND TERMS OF THE CONTRACT.

10. FINISH AND PAINT WALLS BEFORE INSTALLING CASEWORK, EQUIPMENT, FIXTURES, ELEC. PANELS, BOXES, SURFACE CONDUIT, ETC., IF APPLICABLE.

11. CONTRACTOR TO INSTALL WOOD OR METAL BLOCKING FOR ALL CASEWORK, EQUIPMENT, HANDRAILS, BATH ACCESSORIES, FIXTURES, ETC. AS RECOMMENDED BY MANUFACTURER, IF NOT OTHERWISE SHOWN HEREIN.

12. CONTRACTOR SHALL KEEP A SET OF AS-BUILT DRAWINGS ON-SITE AND MAKE AVAILABLE TO THE ENGINEER AT ALL TIMES. AS-BUILT SET SHALL BE SUBMITTED TO THE ENGINEER AT THE COMPLETION OF THE JOB. CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING ALL AS-BUILT INFORMATION DURING THE PROJECT. THE CONTRACTOR SHALL NOTE, AND BRING TO THE ENGINEER'S ATTENTION, ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND ACTUAL FIELD CONDITIONS.

13. IF DISCREPANCIES BETWEEN PLANS OR SPECIFICATIONS OCCUR THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE TREAT ANYTHING MENTIONED IN THE SPECIFICATIONS BUT NOT SHOWN ON THE DRAWINGS OR SHOWN ON THE DRAWINGS BUT NOT INCLUDED IN THE SPECIFICATIONS AS IF SHOWN OR MENTIONED IN BOTH. IF DISCREPANCIES BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE SPECIFICATIONS TAKE PRECEDENCE.

14. FOR INSTALLATION OF ALL WORK WHICH IS DEPENDENT ON CONDITION OF SUBSTRATE, CAREFULLY INSPECT AND VERIFY SUITABILITY OF SUBSTRATE FOR INSTALLATION OF WORK. DO NOT INSTALL WORK OVER UNSUITABLE OR UNACCEPTABLE SUBSTRATES. CORRECT UNACCEPTABLE SUBSTRATES BEFORE INSTALLING WORK. CONTRACTOR IS RESPONSIBLE FOR ALL GRINDING, LEVELING, SANDING, PATCHING, ETC. TO CORRECT ALL EXISTING SURFACES TO PREPARE FOR NEW FINISHES. ALL NEW FINISHED AND PATCHED SURFACES SHALL BE SMOOTH, CONTINUOUSLY FREE OF IMPERFECTIONS AND IN PROPER CONDITION TO RECEIVE THE SPECIFIED FINISH. PATCHED AREAS SHALL MATCH THE ADJACENT MATERIALS CONSTRUCTION AND FINISH.

15. MOUNTING HEIGHTS OF ELECTRICAL, PLUMBING, MECHANICAL, AND OTHER DEVICES SHALL COMPLY WITH HEIGHTS INDICATED ON DRAWINGS. NOTIFY CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE IF CONFLICTS ARE ENCOUNTERED.

16. ALL DAMAGE TO UTILITIES, PAVEMENT, EQUIPMENT, OR STRUCTURES FROM CONSTRUCTION ACTIVITIES SHALL BE IMMEDIATELY REPORTED TO THE RESIDENT ENGINEER. THE RESIDENT ENGINEER SHALL DETERMINE WHETHER REPAIR OR REPLACEMENT IS NECESSARY. ALL REPAIR METHODS SHALL BE SUBMITTED TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INITIATING THE WORK. REPAIRS SHALL BE MADE AT NO ADDITIONAL COST TO THE SPONSOR AND TO THE APPROVAL OF THE ENGINEER.

17. ALL EXPOSED CONCRETE FLOORS SHALL BE CLEANED AT THE END OF PROJECT AND HAVE A 2ND COAT OF SEALER APPLIED.

18. DESIGNS CONTAINED HEREIN ARE BASED ON SPECIFIED EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REDESIGN FOR EQUIPMENT SUBSTITUTIONS TO THE APPROVED SPECIFICATIONS AT NO ADDITIONAL COST TO THE SPONSOR. THE CONTRACTOR SHALL PROVIDE MATERIAL SUBMITTALS,SAMPLES AND DESIGN DRAWINGS FOR THE ENGINEER'S APPROVAL A MINIMUM OF SEVEN (7) DAYS PRIOR TO ORDERING.

19. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF PUBLIC IMPROVEMENTS SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER.

20. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO ORDERING OR FABRICATION OF MATERIALS OR THE BEGINNING OF CONSTRUCTION. NOTIFY ARCHITECT AND OWNER REPRESENTATIVE OF ALL DISCREPANCIES. ALL WORK REQUIRING MEASURING TO BE DONE ACCORDING TO FIGURES ON DRAWINGS. DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND DRAWINGS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND OWNER REPRESENTATIVE. CONTRACTOR TO SUBMIT SPECIFIC DISCREPANCY FOR ARCHITECT REVIEW, PRIOR TO COMMENCING WITH THE WORK IN QUESTION.

21. THE CONTRACTOR SHALL ARRANGE FOR THE PREMISES TO BE MAINTAINED IN AN ORDERLY MANNER, FREE OF DUST AND DEBRIS,THROUGHOUT THE COURSE OF THE WORK. PROVIDE AND MAINTAIN TEMPORARY BARRICADES AS REQUIRED TO PROTECT THE PUBLIC AND OWNERS PERSONNEL DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING STRUCTURE OR EQUIPMENT. ANY SUCH DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

22. CONTRACTOR SHALL PROVIDE DAILY OR MORE FREQUENT GENERAL CLEAN UP IN COMPLIANCE WITH OWNER'S REQUIREMENTS OF AREAS WITHIN THE LIMITS OF CONSTRUCTION, AND FINAL CLEAN UP AT CONCLUSION OF WORK.

23. ALL MATERIALS, FIXTURES AND EQUIPMENT INDICATED IN THE CONSTRUCTION DOCUMENTS SHALL BE NEW AND AS SPECIFIED, UNLESS IDENTIFIED OTHERWISE.

24. FIRE STOP ALL FLOORS, WALLS AND CEILINGS AS REQUIRED BY APPLICABLE CODE.

25. PROVIDE FIRE EXTINGUISHER COMPLYING WITH NFPA 10, AS INDICATED ON LIFE SAFETY DRAWINGS WITH MAX TRAVEL DISTANCE OF 75'.

26. THE LOCATIONS OF EXISTING UTILITIES HAVE BEEN PREPARED FROM DOCUMENTS PROVIDED BY THE OWNER AND MAY NOT REPRESENT THE ACTUAL FIELD CONDITIONS. CONTRACTOR TO REVIEW ALL OWNER DOCUMENTS AND BECOME FAMILIAR WITH ALL EXISTING UTILITIES. THE CONTRACTOR HAS THE RESPONSIBILITY TO VERIFY LOCATIONS IN THE FIELD BY EMPLOYING FIELD UTILITY LOCATING SERVICES BEFORE CONSTRUCTION STARTS, AND COORDINATE ALL NEW UTILITY LOCATIONS, CONNECTIONS AND PENETRATIONS.

27. FOR THE SUBCONTRACTOR SHALL VERIFY AND COORDINATE, WITH ALL TRADES, THE SIZES AND LOCATIONS OF ALL OPENINGS FOR MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT, EQUIPMENT PADS, OR BASES AS WELL AS POWER, WATER, AND DRAIN INSTALLATIONS BEFORE PROCEEDING WITH WORK. SUBCONTRACTOR SHALL PROVIDE COORDINATION DRAWINGS FOR PROPER PLACEMENT OF ALL TRADES' WORK. ALL CONCERNS, SPACE LIMITATIONS OR STRUCTURAL CONFLICTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT, PRIOR TO COMMENCING WITH THE WORK IN QUESTION.

28. IT IS THE SUBCONTRACTOR'S RESPONSIBILITY TO COORDINATE AND LOCATE ELECTRICAL, DATA, AND PHONE RECEPTACLES, SWITCHES, ETC. TO AVOID CONFLICTS WITH CASEWORK, DOORS, AND OTHER TRADE.

PERMITTING

1. PRELIMINARY PERMITTING INFORMATION WILL BE SUBMITTED BY THE RPR PRIOR TO AWARD OF CONTRACT. SPECIFIC ITEMS THAT WILL NEED TO BE COMPLETED BY THE CONTRACTOR INCLUDE BUT ARE NOT LIMITED TO SUPPLYING NECESSARY BONDING, PAYMENT OF ALL FEES, REVIEW OF ALL CALCULATIONS AND ASSUMPTIONS MADE BY THE RPR PRIOR TO AWARD. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO, AN FAA 7460-1 NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION, A NPDES STORMWATER PERMIT, AND A FUGITIVE DUST PERMIT. THE CONTRACTOR SHALL BE RESPONSIBLE TO PAY FOR THE COST TO OBTAIN ALL PERMITS.

2. THE CONTRACTOR SHALL SUBMIT A COPY OF ALL PERMITS REQUIRED FOR THE PROJECT TO THE RPR, FOR HIS REVIEW.

SITE ACCESS AND STAGING

1. THE CONTRACTOR IS REQUIRED TO OBTAIN A WATER METER FROM THE CITY OF ST. GEORGE WATER DIVISION FOR ACCESS TO CONSTRUCTION WATER FROM AN ON AIRPORT LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE TO PAY FOR WATER USED.

2. DURING CONSTRUCTION, THE CONTRACTOR SHALL MINIMIZE DISTURBANCES TO ALL CONSTRUCTION AREAS AND ACCESS ROUTES. THIS INCLUDES EQUIPMENT AND VEHICULAR RUTS CREATED IN ANY PAVEMENTS, ANY HAUL/ACCESS ROADS, OR ANY INFIELD/SAFETY AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES OR ROADS. REPAIRS SHALL BE MADE AT NO ADDITIONAL COST TO THE SPONSOR AND TO THE SATISFACTION OF THE ENGINEER. HAUL ROUTE BRIDGES SHALL BE CONSTRUCTED AT HAUL ROUTES CROSSING EXISTING AIRFIELD PAVEMENT. COSTS ASSOCIATED WITH HAUL BRIDGE CONSTRUCTION WILL BE CONSIDERED INCIDENTAL TO THE BUILDING CONSTRUCTION.

3. BEFORE ESTABLISHING SITE ACCESS AND HAUL ROUTES, THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER. WHEN POSSIBLE, ACCESS/HAUL ROUTES SHALL UTILIZE EXISTING ROADS. THE CONTRACTOR SHALL MAINTAIN AIRPORT SECURITY AT ALL TIMES.

4. ALL DAMAGE TO UTILITIES, PAVEMENT, EQUIPMENT, OR STRUCTURES FROM CONSTRUCTION ACTIVITIES SHALL BE IMMEDIATELY REPORTED TO THE RESIDENT ENGINEER. THE RESIDENT ENGINEER SHALL DETERMINE WHETHER REPAIR OR REPLACEMENT IS NECESSARY. ALL REPAIR METHODS SHALL BE SUBMITTED TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INITIATING THE WORK. REPAIRS SHALL BE MADE AT NO ADDITIONAL COST TO THE SPONSOR AND TO THE APPROVAL OF THE ENGINEER.

5. CONTRACTOR SHALL EXAMINE THE EXISTING PAVEMENTS THAT WILL BE USED FOR HAULING OF MATERIAL AND EQUIPMENT, AND DETERMINE THE PAVEMENTS ABILITY TO WITHSTAND CONTRACTOR OPERATIONS WITHOUT CAUSING DAMAGE TO THE PAVEMENT. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR TO THE APPROVAL OF THE ENGINEER AND AT NO ADDITIONAL COST TO THE SPONSOR.

7. ALL AREAS THAT ARE DISTURBED BY CONTRACTOR OPERATIONS, SHALL BE STERILIZED USING A STERILANT APPROVED BY THE AIRPORT. STERILIZING IS INCIDENTAL TO CONSTRUCTION AND WILL NOT BE PAID SEPARATELY.

8. ALL CONTRACTOR EMPLOYEES SHALL BE REQUIRED TO PARK IN THE CONTRACTORS DESIGNATED STAGING AREA ONLY AND SHALL BE DRIVEN TO THE PROJECT SITE BY DESIGNATED CONSTRUCTION VEHICLES.

9. CRAWLER TRACKED VEHICLES SHALL NOT BE ALLOWED ON PAVED SURFACES. TRACKED VEHICLES MUST BE MOVED ACROSS PAVED SURFACES ON A WHEELED VEHICLE.

10. WHENEVER CONSTRUCTION TRAFFIC IS REQUIRED TO CROSS AN ACTIVE RUNWAY, TAXIWAY, TAXILANE, OR INTERRUPT NORMAL TRAFFIC FLOW ON APRONS OR RAMPS, THE CONTRACTOR SHALL PROVIDE FLAGGERS AT THE CROSSING(S) AS REQUIRED BY THE CONSTRUCTION PHASING DRAWINGS OR AS DIRECTED BY THE ENGINEER OR THE AIRPORT (INCIDENTAL TO ITEM GP-100).

UTILITIES

1. PRIOR TO COMMENCING WORK, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE APPROPRIATE UTILITY AGENCIES, UTILITY NOTIFICATION CENTERS, AND TO FIELD VERIFY THE LOCATIONS AND DEPTHS, THROUGH UTILITY LOCATES AND POTHOLES, OF ALL EXISTING UTILITIES WITHIN THE PROJECT LIMITS, STAGING, AND HAUL ROUTE AREAS.

2. THE EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL NOT BE SCALED FOR EXACT LOCATION. LOCATION OF EXISTING DUCT BANK, CIRCUITING, UTILITIES AND STRUCTURES SHOWN ON THESE DRAWINGS IS BASED ON AVAILABLE INFORMATION AND IS NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL OF THESE ITEMS ARE SHOWN.

3. CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE APPROPRIATE UTILITY AGENCIES WHEN WORKING ON OR WITHIN THE PROXIMITY OF AN AGENCIES UTILITY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.

4. ANY INTERRUPTION OF AN EXISTING SYSTEM OR UTILITY SERVICE SHALL BE COORDINATED AND APPROVED BY THE AIRPORT AND THE AUTHORITY, AGENCY, OR UTILITY HAVING JURISDICTION, PRIOR TO STARTING WORK INCLUDING CONTACTING THE AIRPORT AND FAA.

5. CONTRACTOR IS RESPONSIBLE FOR DAMAGES TO EXISTING UTILITIES. REPAIRS DEEMED NECESSARY BY THE ENGINEER WILL BE COMPLETED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE SPONSOR. SEE SECTION 50-06 OF THE CONTRACT DOCUMENTS FOR ADDITIONAL NOTES REGARDING UTILITY LOCATES.

6. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE CITY, COUNTY, AND ALL UTILITY COMPANIES INVOLVED, WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION, AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY SERVICE.

7. WHERE NEW DUCT BANKS OR OTHER UTILITIES ARE NEAR EXISTING UTILITIES, THE CONTRACTOR SHALL HAND EXCAVATE AROUND THE EXISTING UTILITIES IN ORDER T0 PREVENT DAMAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATELY REPAIRING ANY UTILITY DAMAGED DURING CONSTRUCTION.

8. WHEN INSTALLING NEW UTILITIES UNDER EXISTING PAVEMENT THE CONTRACTOR SHALL NEATLY SAW CUT AND REMOVE THE EXISTING PAVEMENT PRIOR TO INSTALLING THE CONDUIT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY PAVEMENT REMOVED OR DAMAGED DURING THE UTILITY INSTALLATION PROCESS. ALL WORK REQUIRED TO REMOVE AND REPAIR PAVEMENT SHALL BE INCLUDED IN THE BUILDING CONSTRUCTION.

9. THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF THE WATER LINES AND DRY UTILITIES.

10. CONTRACTOR SHOULD EXPECT TO ENCOUNTER WATER IN LIGHT CANS, JUNCTION CANS AND STRUCTURES. CONTRACTOR RESPONSIBLE FOR DEWATERING AT NO ADDITIONAL COST TO THE OWNER.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.

SUBMITTALS

1. THE CONTRACTOR SHALL SUBMIT A DETAILED LISTING OF ALL SUBMITTALS (E.G., MATERIAL CERTIFICATION, AND PRODUCT INFORMATION) AND SHOP DRAWINGS REQUIRED BY THE TECHNICAL SPECIFICATIONS.

2. THE CONTRACTOR SHALL PROVIDE MATERIAL SUBMITTALS FOR THE ENGINEER'S APPROVAL AT LEAST SEVEN (10) DAYS PRIOR TO ORDERING.

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

STATE OF UTAH
ANDREW J. REMSTAD
No. 8845747-0301
12/21/2023
LICENSED ARCHITECT

ANDY J REMSTAD 8845747-0301 12/21/2023
NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: Author | CHECKED: C. Checker | APPROVED: A. Approver

PROJECT NUMBER: 10016873.00

GENERAL NOTES

G-002

TRAFFIC CONROL

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ALL REQUIRED TRAFFIC CONTROL FOR THE PROJECT'S ACCESS LOCATIONS, INCLUDING ANY REQUIREMENTS OF UDOT, CITY OF ST. GEORGE, OR WASHINGTON COUNTY. ALL ASSOCIATED COSTS ARE INCIDENTAL TO CONSTRUCTION AND WILL NOT BE PAID SEPARATELY.

2. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH LOCAL JURISDICTIONAL REQUIREMENTS FOR APPROVAL PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ANY AND ALL TRAFFIC CONTROL DEVICES.

MATERIAL SUPPLY AND DISPOSAL

1. ALL MATERIALS MUST BE OBTAINED FROM AN UNDESIGNATED SOURCE UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR SPECIFICATIONS.

2. ALL WASTE MATERIALS SHALL BE REMOVED FROM THE AIRPORT PROPERTY AT NO COST TO THE SPONSOR UNLESS OTHERWISE DIRECTED BY THE SPONSOR.

WORKING NEAR STRUCTURES

1. THE STRUCTURES SHOWN OR DEFINED IN THE CONTRACT DOCUMENTS AND PLANS HAS BEEN DESIGNED ONLY FOR LOADS ANTICIPATED ON THE STRUCTURE DURING ITS SERVICE LIFE. CONTRACTOR SHALL PROVIDE ALL REQUIRED RPRING AND OTHER MEASURES TO ACHIEVE THE MEANS, METHODS, AND SEQUENCES OF WORK. REQUIRED RPRING MAY INCLUDE, BUT IS NOT LIMITED TO:

- LAYOUT
- DESIGN FOR FORMWORK, SHORING, AND RESHORING
- DESIGN OF CONCRETE MIXES
- ERECTION PROCEDURES WHICH ADDRESS STABILITY OF THE FRAME DURING CONSTRUCTION
- WELD PROCEDURES
- DESIGN OF TEMPORARY BRACING OF WALLS FOR WIND, SEISMIC, OR SOIL LOADS
- SURVEYING TO VERIFY CONSTRUCTION TOLERANCES
- EVALUATION OF TEMPORARY CONSTRUCTION LOADS ON STRUCTURE DUE TO EQUIPMENT AND MATERIALS
- STRUCTURAL RPRING TO RESIST ANY OTHER LOADS NOT IDENTIFIED ON DESIGN DRAWINGS.

SAFETY

1. DURING CONSTRUCTION, THE CONTRACTOR SHALL COMPLY WITH FAA ADVISORY CIRCULAR (AC) 150/5370-2 (CURRENT VERSION), "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION".

2. ALL VEHICLES AND EQUIPMENT WORKING ON THE SITE SHALL BE EQUIPPED WITH STANDARD FAA MARKINGS PER FAA ADVISORY CIRCULAR 150/5210-5 (CURRENT VERSION) OR BE ESCORTED BY A PROPERLY MARKED VEHICLE. ANY VEHICLE OR EQUIPMENT OPERATING WITHIN THE AIRPORT'S PERIMETER FENCE NOT PROPERLY MARKED OR ESCORTED MAY NOT OPERATE ON THE SITE AND MUST BE REMOVED IMMEDIATELY. ANY DELAY OR COST TO CONTRACTOR OPERATIONS FROM UNMARKED OR UNESCORTED VEHICLES OR EQUIPMENT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. STANDARD FAA VEHICLE FLAGS (3 FOOT BY 3 FOOT ORANGE AND WHITE) MAY BE USED DURING DAYTIME HOURS. FLASHING BEACONS MAY BE USED AT ANY TIME. BACKUP ALARMS ARE REQUIRED AND SHALL BE PROXIMITY BASED AND ADJUSTED FROM SURROUNDING NOISE LEVELS. SEE THE CONSTRUCTION SAFETY AND PHASING PLAN (CSPP) FOR MORE DETAILS.

3. ANY TEMPORARY FENCE SHALL MATCH THE HEIGHT OF THE EXISTING PERIMETER FENCE, CHAIN LINK OR APPROVED EQUAL. THE METAL POSTS FOR THE FENCE SHALL BE SET IN THE GROUND A MINIMUM OF 3'. THE SPACING OF THE POSTS SHALL BE SMALL ENOUGH THAT THE FABRIC OF THE FENCE DOES NOT SAG OR DEFLECT IN THE WIND. ANY GAPS UNDER THE FENCE DUE TO EXISTING GROUND VARIATIONS SHALL BE ELIMINATED USING ANY APPROVED METHOD AND TO THE SATISFACTION OF THE RPR. ANY AREAS DISTURBED BY THE INSTALLATION OR REMOVAL OF THE TEMPORARY FENCE SHALL BE GRADED AND SEEDED IF DEEMED NECESSARY BY THE RPR. THIS SEEDING WORK SHALL BE CONSIDERED INCIDENTAL TO THE TEMPORARY FENCE BID ITEM (F-162), AND SHALL NOT BE PAID FOR SEPARATELY. A CLEAR ZONE OF THREE (3) FEET MINIMUM SHALL BE MAINTAINED ON EITHER SIDE OF THE FENCE, AND MUST NOT CONTAIN ANY OBJECTS THAT COULD BE OF ASSISTANCE TO AN INDIVIDUAL ATTEMPTING TO SCALE THE SECURITY FENCE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.

5. CONTRACTOR SHALL MAINTAIN EMERGENCY ACCESS THROUGH PROJECT SITE AT ALL TIMES. ALL ROADWAYS (TEMPORARY OR PERMANENT) SHALL BE MAINTAINED BY CONTRACTOR.

EROSION CONTROL

1. THE CONTRACTOR SHALL COMPLY WITH ALL TERMS AND CONDITIONS OF THE UTAH PERMIT FOR STORM WATER DISCHARGE, THE STORM WATER MANAGEMENT PLAN, THE EROSION CONTROL PLAN, AND ALL REQUIREMENTS OF THE LOCAL DRAINAGE AUTHORITY.

2. ALL STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED, AT THE LIMITS OF CONSTRUCTION, PRIOR TO ANY OTHER GROUND-DISTURBING ACTIVITY. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREA IS STABILIZED WITH HARD SURFACE OR LANDSCAPING.

3. CONTRACTOR SHALL MAINTAIN POSITIVE DUST CONTROL DURING THE ENTIRE PROJECT DURATION. THE METHOD OF DUST CONTROL EMPLOYED DURING ALL PHASES SHALL BE SUBMITTED FOR APPROVAL BY THE RPR. DUST CONTROL SHALL BE EMPLOYED DURING ANY PROJECT SHUTDOWN PERIODS, WINTER OR OTHERWISE. PAYMENT FOR THIS WORK SHALL BE INCIDENTAL TO THE VARIOUS ITEMS OF WORK, AND NO SEPARATE PAYMENT WILL BE MADE.

4. ANY EROSION CONTROL FACILITY DAMAGED OR DESTROYED PREMATURELY, BY ANY MEANS, SHALL BE IMMEDIATELY REPAIRED BY THE CONTRACTOR.

5. A WATER TRUCK SHALL BE KEPT ON SITE AT ALL TIMES DURING EARTHWORK ACTIVITIES FOR DUST ABATEMENT.

6. THE STORMWATER BMPS SHOWN IN THE ISSUED FOR CONSTRUCTION EROSION CONTROL SHEETS ARE TO BE USED AS A GUIDE FOR THE CONTRACTOR WHEN DEVELOPING HIS/HER STORMWATER MANAGEMENT PLAN. FIELD CONDITIONS MAY WARRANT MORE, LESS OR DIFFERENT BMP INSTALLATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DEVELOP A STORMWATER AND EROSION CONTROL PLAN THAT MEETS ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS ASSOCIATED WITH THE STORMWATER PERMIT.

7. SILT AND SEDIMENT SHALL BE REMOVED AFTER EACH SUBSTANTIAL RAINFALL.

8. NEGATIVE IMPACTS TO DOWNSTREAM AREAS CAUSED BY GRADING ARE TO BE MONITORED AND CORRECTED BY THE CONTRACTOR. ANY OFF-SITE CLEAN-UP, DIRECTED BY THE PUBLIC WORKS INSPECTOR, (INCLUDING STREET CLEANING), SHALL BE COMPLETED WITHIN 24-HOURS OF WRITTEN INSTRUCTION, OR RISK CONSTRUCTION STOPPAGE.

9. TEMPORARY EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL SUCH TIME AS ALL TRIBUTARY-DISTURBED AREAS ARE SUFFICIENTLY STABILIZED IN THE OPINION OF THE PUBLIC WORKS INSPECTOR OR RPR, TO MINIMIZE EROSION POTENTIAL.

10. WHEN TEMPORARY EROSION CONTROL MEASURES ARE REMOVED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEAN-UP AND REMOVAL OF ALL SEDIMENT AND DEBRIS FROM ALL DRAINAGE AND OTHER PUBLIC FACILITIES.

11. ALL AREAS FOR SEEDING SHALL BE TILLED TO BREAK UP ROOTING RESTRICTIVE LAYERS, HAVE A MINIMUM OF 4" OF TOPSOIL REAPPLIED, AND THEN BE HARROWED, AND ROLLED OR PACKED, TO PREPARE THE REQUIRED FIRM SEED BED.

QUANTITIES

1. THE PROJECT PAY ITEMS PROVIDED ARE TO BE INCLUSIVE OF ALL WORK TO BE PERFORMED AS SHOWN IN THE CONTRACT DOCUMENTS. ALL WORK NOT IDENTIFIED WITH A SPECIFIC PAY ITEM IS TO BE CONSIDERED REQUIRED WORK TO COMPLETE THE PROJECT, AND IS TO BE INCIDENTAL TO THE COST OF PROJECT PAY ITEMS PROVIDED.

2. IF THE CONTRACTOR CHOOSES TO OVERBUILD PAVEMENT LAYERS BEYOND THE DIMENSIONS SHOWN ON THE PLANS FOR CONSTRUCTABILITY, NO PAYMENT WILL BE MADE FOR THIS ADDITIONAL MATERIAL.

GENERAL DEMOLITION NOTES

1. THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE CONTRACT DOCUMENTS WITH EACH OTHER AND SHALL IMMEDIATELY REPORT ANY ERRORS, INCONSISTENCIES OR OMISSIONS TO THE CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE. IF THE CONTRACTOR PERFORMS ANY CONSTRUCTION ACTIVITY KNOWING IT INVOLVES A RECOGNIZED ERROR, INCONSISTENCY OR OMISSION IN THE CONTRACT DOCUMENTS WITHOUT SUCH NOTICE TO THE CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE, THE CONTRACTOR SHALL ASSUME APPROPRIATE RESPONSIBILITY FOR SUCH PERFORMANCE AND SHALL BEAR AN APPROPRIATE AMOUNT OF THE ATTRIBUTABLE COSTS FOR CORRECTION. THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS, VERIFY FIELD CONDITIONS AND OTHER INFORMATION BEFORE COMMENCING ACTIVITIES. ERRORS, INCONSISTENCIES OR OMISSIONS DISCOVERED SHALL BE REPORTED TO THE CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE AT ONCE.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, GRINDING, SANDING, FILLING, FITTING OR PATCHING REQUIRED TO COMPLETE THE WORK OR TO MAKE THE PARTS FIT TOGETHER PROPERLY.

3. THE CONTRACTOR SHALL NOT DAMAGE OR ENDANGER A PORTION OF THE WORK OR FULLY OR PARTIALLY COMPLETED CONSTRUCTION BY CUTTING, PATCHING, EXCAVATING OR OTHERWISE ALTERING SUCH CONSTRUCTION. THE CONTRACTOR SHALL NOT CUT OR OTHERWISE ALTER SUCH CONSTRUCTION BY OTHER CONTRACTORS OR BY THE CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE OWN FORCES EXCEPT WITH WRITTEN CONSENT OF THE CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE AND SUCH OTHER CONTRACTORS; SUCH CONSENT SHALL NOT BE UNREASONABLY WITHHELD.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE THAT OCCURS TO EXISTING MATERIALS, FINISHES, EQUIPMENT, ETC. TO REMAIN AS A RESULT OF THE CONTRACTOR'S WORK. IF DAMAGE TO EXISTING MATERIALS, FINISHES, EQUIPMENT, ETC. TO REMAIN DOES OCCUR AS A RESULT OF THE CONTRACTOR'S WORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING AS REQUIRED OR FOR PROVIDING COMPLETE REPLACEMENT AS PER THE DIRECTION OF THE CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE.

5. CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING AND BRACING AS REQUIRED FOR ALL DEMOLITION AND NEW WORK. IF ANY DAMAGE OCCURS TO THE EXISTING BUILDING OR NEW CONSTRUCTION AS A RESULT OF IMPROPER OR INADEQUATE SHORING OR BRACING, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR REPAIR AND/ OR REPLACEMENT OF DAMAGED AREAS. DAMAGED AREAS SHALL INCLUDE BUT NOT BE LIMITED TO STRUCTURE, WINDOWS, FINISHES, EQUIPMENT, FURNISHINGS AND MOVEMENT OF ADJACENT PAVEMENT/ WALKS/ CURBS/ STRUCTURES.

6. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING STRUCTURES, UTILITIES, MECHANICAL/ ELECTRICAL/ PLUMBING COMPONENTS, CASEWORK, FURNISHINGS, FINISHES, ETC., THAT IS SHOWN ON THE DEMOLITION AND RENOVATION, ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING/ FIRE PROTECTION, OR ELECTRICAL DRAWINGS. THIS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO THE FOLLOWING:
   A. WHERE EXISTING WALL MUST BE PATCHED, OR OTHERWISE REFINISHED TO MATCH EXISTING; PROVIDE NEW FINISHES FOR ENTIRE WALL, OR TO NEAREST WALL BREAK / CORNER.
   B. AT STRUCTURES TO BE REMOVED; INCLUDING METAL STUD PARTITIONS AND WALLS, GYPSUM BOARD AND/ OR PLASTER CEILINGS, ETC., PARTITIONS AND WALLS SHALL BE SAW CUT WITH SMOOTH AND STRAIGHT EDGES AS REQUIRED FOR NEW ADJACENT CONSTRUCTION.
   C. AT ALL PLUMBING UTILITIES TO BE REMOVED; INCLUDING HOT WATER LINES, COLD WATER LINES, WASTE LINES, ETC. SHALL BE REMOVED TO FLOOR LINE, WALL LINE OR CEILING LINE AS REQUIRED. ALL PLUMBING UTILITY LINES SHALL BE CAPPED AND BURIED IN WALLS AND CAPPED ABOVE FINISHED CEILINGS AS REQUIRED. ALL WALLS AND CEILINGS SHALL BE REFINISHED AS REQUIRED OVER CAPPED UTILITIES TO MATCH EXISTING ADJACENT FINISHES. PLUMBING UTILITIES AT CONCRETE FLOORS SHALL HAVE CONCRETE SAWCUT FOR A SMOOTH EDGE AT THE SURFACE AND CHIPPED OUT, UTILITIES CAPPED BELOW CONCRETE AND NEW CONCRETE FILL OVER CAPPED UTILITY.
   D. AT ALL ELECTRICAL UTILITIES TO BE REMOVED INCLUDING POWER LINES, LIGHTING AND COMMUNICATION LINES SHALL BE REMOVED TO FLOOR LINE, WALL LINE, OR CEILING LINE AS REQUIRED. ALL ELECTRICAL UTILITY LINES SHALL BE CAPPED AND BURIED IN WALLS AND CAPPED ABOVE FINISHED CEILING AS REQUIRED. PATCH AND REPAIR AS REQUIRED ALL WALLS AND CEILINGS OVER CAPPED UTILITIES TO MATCH EXISTING ADJACENT FINISHES. ELECTRICAL UTILITIES AT CONCRETE FLOORS SHALL HAVE CONCRETE SAW CUT FOR A SMOOTH EDGE AT THE SURFACE AND CHIPPED OUT. UTILITIES CAPPED BELOW CONCRETE AND NEW CONCRETE FILL OVER CAPPED UTILITY.
   E. AT ALL MECHANICAL / ELECTRICAL / PLUMBING COMPONENTS TO BE REMOVED; INCLUDING LIGHT FIXTURES, MECHANICAL EQUIPMENT, ETC. SHALL BE STRUCTURALLY DISCONNECTED AND ALL UTILITIES SHALL BE CAPPED AND BURIED AS STATED IN SUB-ITEM NO'S "B" AND "C" ABOVE.
   F. AT ALL BASE AND OVERHEAD CASEWORK TO BE REMOVED; INCLUDING SINKS AND ALL EXPOSED AND CONCEALED BACKING, BLOCKING FASTENERS, ETC. SHALL BE STRUCTURALLY DISCONNECTED AND ALL UTILITIES SHALL BE DISCONNECTED. PATCH AND REPAIR AS REQUIRED ALL FLOORS, WALLS AND CEILINGS AT CASEWORK TO MATCH EXISTING ADJACENT FINISHES. ALL UTILITY LINES SHALL BE CAPPED AND BURIED AS STATED IN SUB-ITEM "B" AND "C" ABOVE
   E. AT ALL FURNISHINGS TO BE REMOVED; SUCH AS WINDOW COVERINGS, CHALK BOARDS, FLOOR MATS, TACK STRIPS, MISCELLANEOUS FURNISHINGS, ETC. PATCH AND REPAIR AS REQUIRED ALL FLOORS, WALLS AND ACOUSTICAL LAY-IN CEILINGS AT FURNISHINGS TO MATCH EXISTING ADJACENT FINISHES.
   G. AT ALL "DECORATIVE" FINISHES TO BE REMOVED; SUCH AS FLOOR COVERINGS, BASE MATERIALS, WALL FINISHES, WAINSCOTS, CEILINGS, ETC. WHERE FINISH IS REMOVED, CONTRACTOR SHALL PREPARE SUBSTRATE AS NECESSARY TO RECEIVE NEW FINISH MATERIAL. THIS INCLUDES, BUT NOT LIMITED TO LEVELING BINDER, GRINDING AND / OR SANDING.

7. ALL EQUIPMENT THAT IS TO BE PLACED IN STORAGE OR SALVAGED FOR CONTRACTING OFFICER OR OWNER'S REPRESENTATIVE SHALL HAVE THE EQUIPMENT NUMBER SHOWN ON THE EQUIPMENT DRAWINGS NEATLY AND SHALL BE LEGIBLY MARKED ON THE EQUIPMENT WITH PERMANENT BLACK, WIDE TIP MARKER IN AN OBVIOUS LOCATION. ALL LOOSE EQUIPMENT ACCESSORIES SUCH AS FASTENERS, FITTINGS, ACCESSORIES, ETC., SHALL BE PLACED IN A CLEAR, HEAVY DUTY PLASTIC BAG. THE BAG SHALL BE SEALED AND LABELED BY EQUIPMENT NUMBER AND TAPED TO EQUIPMENT WITH CLEAR, WIDE, HEAVY DUTY TAPE.

8. SAW CUT EXISTING CONCRETE SLAB FOR ALL REQUIRED UTILITY DEMOLITION, MASONRY WALL DEMOLITION, NEW UTILITY INSTALLATION AND NEW CONCRETE BLOCK WALL INSTALLATION, ETC. ALL CUT CONCRETE SLABS SHALL BE PATCHED AND REPAIRED AS REQUIRED. SEE STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.

9. EACH CONTRACTOR IS RESPONSIBLE FOR COORDINATING THEIR WORK WITH ALL SURROUNDING CONSTRUCTION ELEMENTS AND TRADES AFFECTED.

10. EACH CONTRACTOR IS RESPONSIBLE FOR CREATING ALL OPENINGS, PENETRATIONS, LINTELS, ETC., AS REQUIRED TO PERFORM THEIR PORTION OF WORK.

11. AT EXISTING WALLS AND CEILINGS INDICATED TO BE PAINTED (REFER TO ROOM FINISH SCHEDULE FOR LOCATIONS). THE CONTRACTOR SHALL REMOVE ANY WALL MOUNTED ITEMS SUCH AS: SIGNS, MARKER BOARDS, TACK BOARDS, TACK STRIPS, SHELVES, PROJECTION SCREENS, CLOCKS, ESCUTCHEON PLATES, ELECTRICAL COVER PLATES, AND ETC. PRIOR TO PAINTING. EXISTING EXPOSED PIPING AND CONDUIT TO REMAIN AND SHALL BE PAINTED TO MATCH ADJACENT WALL OR CEILING. UPON COMPLETION OF FINISH WORK/PAINTING -REINSTALL ANY REMOVED ITEMS WHICH ARE TO BE PART OF FINISHED WORK. SEE DRAWINGS FOR NEW WORK.

12. ALL DEMOLISHED ITEMS, UNLESS OTHERWISE NOTED, SHALL BE MOVED TO AN OFF SITE LOCATION IN A LEGAL MANNER AND PER THE REQUIRED CONTRACTOR'S CONSTRUCTION AND DEMOLITION WASTE PLAN.

13. SEE MECHANICAL/ ELECTRICAL/ PLUMBING/ FIRE PROTECTION DRAWINGS FOR NEW UTILITY RUNS REQUIRING NEW OPENINGS IN WALLS, FLOOR SLABS OR CEILINGS.

14. COORDINATE DEMOLITION WORK SCOPE WITH ASSOCIATED DOCUMENTS FOR RENOVATION/ NEW CONSTRUCTION WORK BY OTHER TRADES TO DETERMINE SIZES AND LOCATIONS OF OPENINGS IN EXISTING WALLS, FLOORS, CEILINGS, AND PARTITIONS.

15. AT NEW OPENINGS AT EXISTING METAL STUD/GYPSUM BOARD PARTITIONS, FRAME IN A HEADER AS REQUIRED TO SUPPORT FRAMING ABOVE THE OPENING PER THE METAL STUD MANUFACTURER'S GUIDELINES.

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

STATE OF UTAH
ANDREW J. REMSTAD
No. 8845747-0301
12/21/2023
LICENSED ARCHITECT

ANDY J REMSTAD	8845747-0301	12/21/2023
NAME	REG. NO.	DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: Author	CHECKED: C. Checker	APPROVED: A. Approver

PROJECT NUMBER: **10016873.00**

GENERAL NOTES

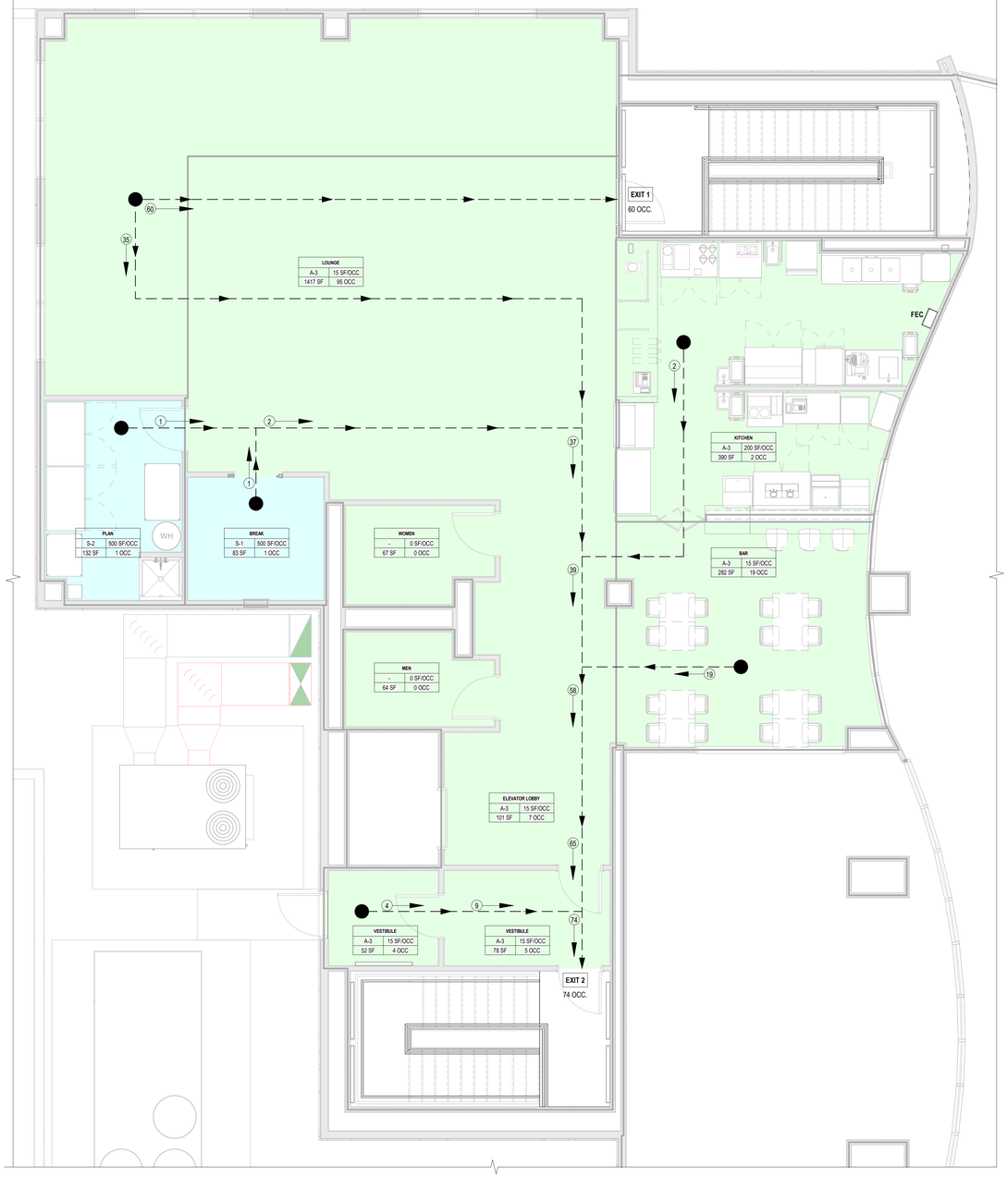
G-003

ALLOWABLE
EXIT 1: 36" = 180 OCC.
EXIT 2: 36" = 180 OCC.

ALLOWABLE EXITING OCCUPANTS: 360 OCCUPANTS

PURPOSED
EXIT 1 = 60 OCC.
EXIT 2 = 74 OCC.

PURPOSED EXITING OCCUPANTS: 134 OCCUPANTS



A3 SECOND FLOOR AREA LIFE SAFETY PLAN
1/4" = 1'-0"

LEGEND:

- FEC — FIRE EXTINGUISHER CABINET
- EGRESS TAG — NUMBER OF OCCUPANTS EXITING IN DIRECTION OF TRAVEL
- EGRESS
- ROOM OCCUPANCY TAG
  - ROOM NAME
  - OCCUPANT LOAD
  - ROOM OCCUPANCY
  - OCCUPANCY GROUP
  - ROOM AREA

RM	
OG	XX SF/OCC
SF	XXX OCC

- ASSEMBLY
- STORAGE

CODE ANALYSIS

APPLICABLE CODES

	Year		Year
International Building Code	2018	National Electrical Code	2018
International Mechanical Code	2018	Uniform Code for Building Conservation	2018
International Fuel Gas Code	2018	ADA Accessibility Guidelines	2010
International Plumbing Code	2018		
International Fire Code	2018		
International Energy Conservation Code	2018		

A. Occupancy and Group: A-III
Change in Use: Yes ____ No X Mixed Occupancy: Yes ____ No X
Special Use and Occupancy (e.g. High Rise, Covered Mall): ____

B. Seismic Design Category: D1 Design Wind Speed: 90 mph

C. Type of Construction (circle one):
I A I B II A (II B) III A III B IV HT IV A IV B

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):
North: 0 South: 0 East: 0 West: 0

E. Mixed Occupancies: ____ Nonseparated Uses: X

F: Sprinklers:
Required: no Provided: yes
Type of Sprinkler System (IBC 903.3.1): 13

G: Number of Stories: 2 Building Height: 45'

H: Actual Area per Floor (square feet): no change in size just an interior renovation

I: Tabular Area: (table 503): 38,000

J: Area Modifications:

$$\text{or } A_w = \left\{ A_a + \left[A_i \times I_f \right] + \left[A_s \times I_s \right] \right\} \qquad I_f = \left[F/P - 0.25 \right] W / 30$$

b) Sum of the Ratio Calculations for Mixed Occupancies:
Actual Area / Allowable Area ≤ 1

c) Total Allowable Area for:
1) One Story: 38,000
2) Two Story: A_a (2): NA
3) Three Story: A_a (3): NA

d) Unlimited Area Building: Yes ____ No X Code Section: ____

K. Fire Resistance Rating Requirements for Building Elements (hours).

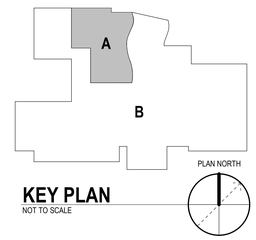
Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	0		Floors - Ceiling Floors	0	
Interior Bearing Walls	0		Roofs - Ceiling Roofs	0	
Exterior Non-Bearing Walls	0		Exterior Doors and Windows	0	
Structural Frame	0		Shaft Enclosures	0	
Partitions - Permanent	0		Fire Walls	0	
Fire Barriers	0		Fire Partitions	0	
			Smoke Partitions	0	

L. Design Occupant Load: no change
Exit Width Required: no change Exit Width Provided: no change

M. Minimum Number of Required Plumbing Facilities: no change
a) Water Closets - Required (m) ____ (f) ____ Provided (m) ____ (f) ____
b) Urinals - Required (m) ____ (f) ____ Provided (m) ____ (f) ____
c) Lavatories - Required (m) ____ (f) ____ Provided (m) ____ (f) ____
d) Bath Tubs or Showers: ____
e) Drinking Fountains: ____ Service Sinks: ____

FOOTNOTES:
1) In case of conflict with the U.S. Department of Justice Federal Registers Parts 1 through 3 - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.

2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
a) High Rise Requirements.
b) Atriums.
c) Performance Based Criteria.
d) Means or Egress Analysis.
e) Fire Assembly Locator Sheet.
f) Exterior and Interior Accessibility Route.
g) Fire Stopping, Including Tested Design Number.



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE
0 2' 4' 8' 12'
1/4"=1'-0"

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790
A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

STATE OF UTAH
ANDREW J. REMSTAD
No. 8845747-0301
12/21/2023
LICENSED ARCHITECT

ANDY J REMSTAD 8845747-0301 12/21/2023
NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

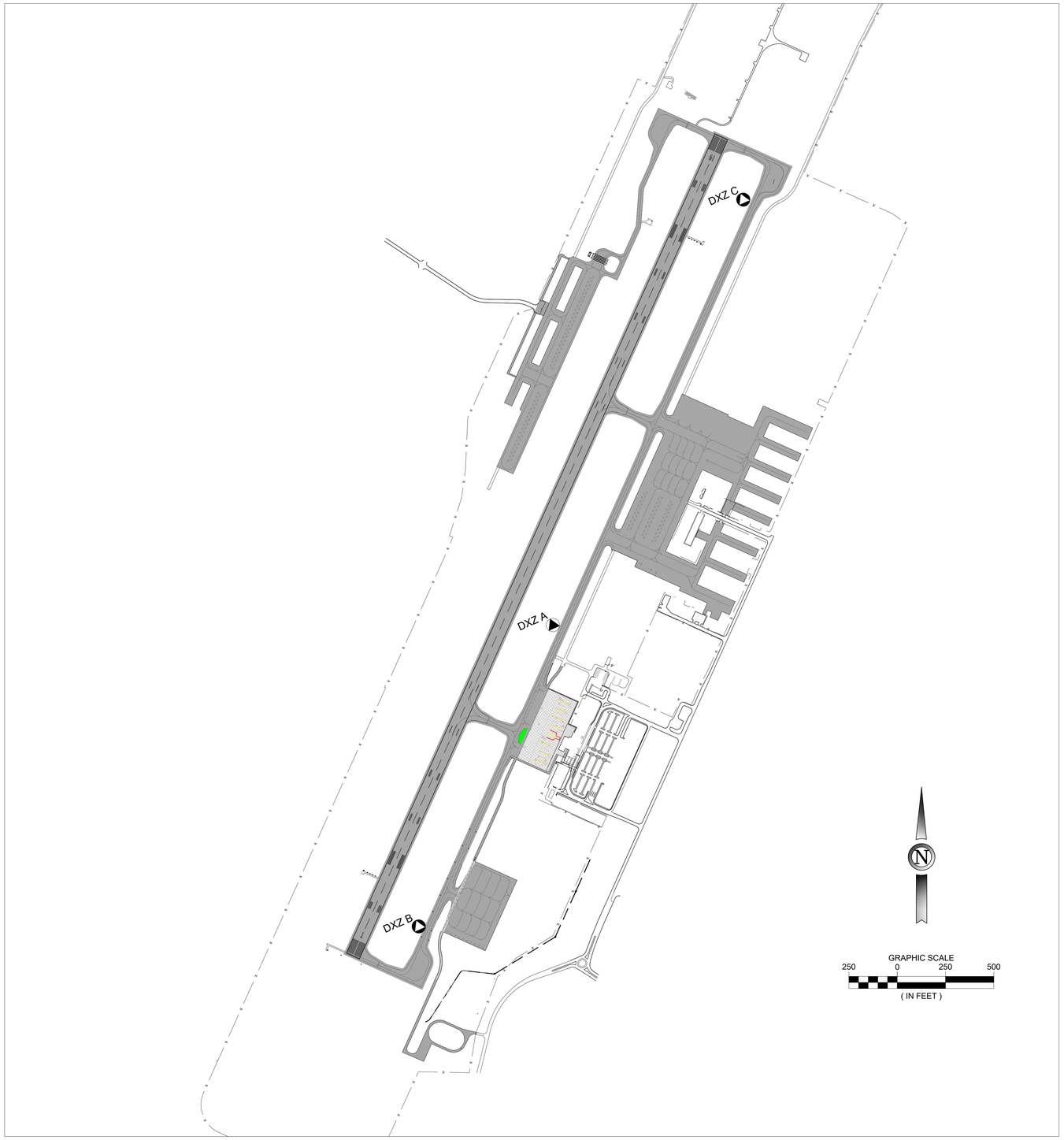
DRAWN: TLI | CHECKED: AMA | APPROVED: AJR

PROJECT NUMBER: **10016873.00**

LIFE SAFETY AND CODE SUMMARY

G-004

G-004 LIFE SAFETY AND CODE SUMMARY12/22/2023 4:36:19 PM Autodesk Docs://jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt



AIRPORT SURVEY CONTROL DATA					
POINT NAME	PID	NORTHING	EASTING	ELEVATION	DESCRIPTION
DXZ A	DM3653	9982612.57	1053810.61	2851.57 (BM) (P)	PACS (STAINLESS STEEL ROD)
DXZ B	DM3654	9979494.71	1052422.36	2830.11 (P)	SACS (STAINLESS STEEL ROD)
DXZ C	DM3655	9987014.75	1055781.35	2875.97 (P)	SACS (STAINLESS STEEL ROD)

(BM) ELEVATION BENCHMARK, (G) GPS DERIVED ELEVATION, (P) PUBLISHED ELEVATION

SURVEY LEGEND	
▲	PACS - PRIMARY AIRPORT CONTROL STATION
⏃	SACS - SECONDARY AIRPORT CONTROL STATION
⊕	PROJECT TEMPORARY SURVEY CONTROL POINT
△	RUNWAY END MONUMENT

PROJECT DATUM STATEMENT

COORDINATE SYSTEM: NAD83(2011)
STATE PLANE ZONE: UTAH SOUTH ZONE 4303
UNITS: U.S. SURVEY FEET (SFT)
GEOID MODEL: GEOID12B

PROJECT COORDINATES ARE STATE PLANE GROUND COORDINATES.
PROJECT BROUGHT TO GROUND AT "DXZ A" (PACS)

LAT: 37°02'02.94815" N
LONG: 113°30'34.85679" W

ELLIPSOID HEIGHT: 2771.24 FT
NAVD88 ELEVATION: 2851.57 FT (VERTICAL BM)

GROUND SCALE FACTOR: 1.0000962490

DXZ A, THE PRIMARY AIRPORT CONTROL STATION (PACS), IS TO BE HELD AS THE SITE VERTICAL BENCHMARK.

LAST SURVEY WAS COMPLETED BY JVIATION IN MARCH 2022

SURVEY NOTES:

1. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION.
2. CONTRACTOR SHALL VERIFY AIRPORT CONTROL POINTS PRIOR TO CONSTRUCTION ACTIVITIES AND REPORT DISCREPANCIES TO THE ENGINEER.
3. CONTRACTOR SHALL PROTECT AND PRESERVE THE AIRPORT SURVEY CONTROL STATIONS.

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TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
St. George Regional Airport

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	KJM	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

REGISTERED PROFESSIONAL ENGINEER
12/21/2023
No. 181491
KIRK J. McDANIEL
STATE OF UTAH

KIRK J MCDANIEL PE-181491 12/21/2023
NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: OB CHECKED: W APPROVED: W

PROJECT NUMBER: **10016873.00**

SURVEY CONTROL PLAN

C-005

Autodesk Docs://Jviation - SGU Hub/23643_St. George Airport Terminal Renovation_v22_MEOH.rvt
P101 OVERALL FIRST FLOOR PLUMBING 12/4/2023 3:49:30 PM

CITY OF ST. GEORGE WATER NOTES

1. ALL WATERLINE WORKS MUST BE INSTALLED BY A CONTRACTOR THAT HAS BEEN PRE-QUALIFIED BY THE CITY OF ST. GEORGE WATER DEPARTMENT.
2. ALL CONSTRUCTION SHALL CONFORM TO THE "CITY OF ST. GEORGE STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION", "THE INTERNATIONAL PLUMBING CODE", AND THE "UNIFORM BUILDING CODE" LATEST EDITION AS ADMINISTERED BY THE CITY OF ST. GEORGE.
3. CONTRACTOR SHALL POTHOLE ALL PIPELINES AND VERIFY LOCATION AND DEPTH PRIOR TO PROCEEDING WITH ANY BUILDING OR PIPELINE CONSTRUCTION. IF THE IN-FIELD CONDITION VARIES FROM DESIGN THE CONTRACTOR IS RESPONSIBLE FOR COSTS DUE TO CHANGES IN CONDITION. CITY MAPS ARE "BEST KNOWLEDGE" AND APPROXIMATE.
4. THE POTABLE WATER SUPPLY TO LAWN IRRIGATION SYSTEMS SHALL BE PROCTECTED AGAINST BACKFLOW PER THE "INTERNATIONAL PLUMBING CODE (IPC)" SECTION 608.16.5 AND FIRE SPRINKLER SYSTEMS PER (IPC) 608.16.4.
5. ALL BACKFLOW ASSSEMBLY INSTALLATION AND TESTREQUIREMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF ST. GEORGE BACKFLOW ORDINANCE 9-1-1997-5-6-5.
6. 14 GAUGE WIRE SHALL BE TAPED TO ALL WATER LINES FOR LOCATING PURPOSES. THE WIRE SHALL ALSO BE BROUGHT UP AT EACH VALVE BOX AND HYDRANT.
7. THRUST RESTRAINT ON THE NEW PIPELINE WILL BE AS SHOWN ON THE DETAILS. USE MEGA-LUG ON THE FITTINGS AND FIELD LOCK GASKETS ON THE REQUIRED LENGTH OF RESTRAINED PIPE.
8. ASPHALT REPLACED OVER THE PIPE TRENCHING IS TO MATCH EXISTING PAVEMENT DEPTHS WITH A 6" OVER CUT FROM EDGE OF THE TRENCH ON EACH SIDE OF THE TRENCH.
9. CONTRACTORS SHALL CUT OFF AND CAP (BACK AT THE WATER MAIN), ALL EXISTING SERVICE LINES OR UNUSED STUB LINES THAT WILL BE ABANDONED.
10. ANY CHANGES MADE IN THE FIELD MUST BE FIRST APPROVED AND DOCUMENTED BY THE CITY OF ST. GEORGE WATER SERVICES REPRESENTATIVE.
11. ALL NEW FIRE HYDRANTS SHALL BE INSTALLED AT THE CORRECT HEIGHT. RISERS WILL NOT BE ALLOWED.
12. IRRIGATION WATER WORKS MAY REQUIRE ADDITIONAL APPROVALS FROM RESPECTIVE IRRIGATION COMPANIES.

CITY OF ST. GEORGE WASTEWATER NOTES

1. NO SEWER UNDER 9' DEEP UNLESS APPROVED BY THE CITY OF ST. GEORGE.
2. ANY SEWERS NOT IN PUBLIC STREETS SHALL SHOW RECORDED EASEMENTS.
3. BUILDINGS MAY REQUIRE INTERCEPTORS AT A LATER DATE.
4. ALL SEWER MANHOLES SHALL HAVE "CITY OF ST GEORGE" LOGO LIDS FOR FINAL INSPECTION.
5. 100' MAXIMUM SPACE BETWEEN SEWER LATERAL CLEANOUTS.
6. ALL CONSTRUCTION SHALL CONFORM TO THE "CITY OF ST. GEORGE STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION", "THE INTERNATIONAL PLUMBING CODE", AND THE "UNIFOM BUILDING CODE" LATEST EDITION AS ADMINISTERED BY THE CITY OF ST. GEORGE

ST. GEORGE ENERGY SERVICES POWER NOTES

1. PRIMARY POWER FROM SWITCH TO SWITCH SHALL BE 750 WIRE IN 3" CONDUIT.
2. PRIMARY POWER FROM VAULT TO TRANSFORMER SHALL BE 1/0 WIRE IN 3" CONDUIT UNLESS OTHERWISE NOTED. ALL WIRE SHALL HAVE A TEMPERATURE RATING OF 90°C
3. SECONDARY POWER FROM TRANSFORMER TO METER (90°C TEMP. RATING):
   A. FOR RESIDENTIAL LOTS – WHERE LENGTH IS LESS THAN OR EQUAL TO 200-FT
      - 100 – 150 AMPS = 1/0 IN 2" CONDUIT
      - 200 AMPS = 4/0 IN 2" CONDUIT
      - 400 AMPS = 350 MCM IN 3"CONDUIT
      - 600 AMPS = 500 MCM IN 3"CONDUIT
      - CONTACT SGES FOR LENGTHS > 200-FT IF NOT SPECIFIED PERPLAN.

   B. FOR C.T. CONNECTIONS (SERVICES > 400 AMPS) – SECONDARY CONDUIT AND WIRE SHALL BE SIZED BY BUILDING ELECTRICAL ENGINEER.

   C. FOR COMMERCIAL AND/OR APARTMENT COMPLEX ≤ 400 AMPS, OR > 400 AMPS WITH GANGPACK INDIVIDUAL METERS – SIZED BY SGES BASED ON LOAD CALC'S.
4. CONTRACTOR TO FOLLOW ALL BLUE STAKES PROTOCOLS.
5. THE POWER DESIGN ON THIS UTILITY PLAN IS CONSIDERED BY ST. GEORGE ENERGY SERVICES (SGES) AS PRELIMINARY AND NON-BIDABLE UNTIL ACCOMPANIED BY A JUC APPROVALSTAMP.
6. ALL PRIMARYUNDERGROUND POWER WORK/INSTALLATION MUST BE COMPLETED BY A CONTRACTOR THAT HAS BEEN PREQUALIFIED BY SGES AND MEET ALL SGES STANDARDS. ALL OVERHEAD WORK/INSTALLATION MUST BE COMPLETED BY SGES.
7. ALL WORK DONE BY SGES WILL BE PREPAID BY THE DEVELOPER.
8. IT IS THE RESPONSIBILITY OF THE DESIGN ENGINEER TO PROVIDE LOCATION AND ELEVATION OF ALL EXISTING AND DESIGN UNDERGROUND/OVERHEAD UTILITIES AND STRUCTURES THATWILLIMPACT THE SGES POWER DESIGN.
9. ALL JUC TRENCHES WILL BE BACKFILLED AND COMPACTED IN 6" TO 8" LIFTS TO A COMPACTION OF 95% IN ROADWAYS/SIDEWALKS AND 90% BEHIND SIDEWALK. TESTING IS TO BE DONE AT MIDDLE AND TOP OF TRENCH.
10. ALL CHANGES TO EXISTING GRADES NEAR EXISTING POWER UTILITIES MUST BE APPROVED BY SGES PRIOR TO CONSTRUCTION.
11. ANY IN-FIELD CHANGES TO THE JUC APPROVED POWER DESIGN WILL BE AT THE DEVELOPER'S EXPENSE AND MUST BE PRE-APPROVED AND DOCUMENTED BY SGES PRIOR TO INSTALLATION.

RESIDENTIAL SUBDIVISION PROJECT POWER NOTES

A. POWER LIMITATION: TRANSFORMERS, CONDUIT, AND WIRE SIZES SHOWN ARE BASED ON A STANDARD 200 AMP SERVICE PER RESIDENCE. SHOULD ANY LOT(S) IN THIS SUBDIVISON REQUIRE LARGER SERVICES, PLANS MUST BE RESUBMITTED TO UPSIZE ELECTRICAL EQUIPMENT AND WIRE RESPECTIVELY (SGES).

B. ALL SERVICES ARE SINGLE PHASE. IF THREE PHASE POWER IS REQUIRED ANYWHERE WITHIN THIS SUBDIVISION, THE PLAN WILL NEED TO BE RESUBMITTED AND REVISED.

C. INSTALL NEW ELECTRICAL EQUIPMENT 6-FT. BEHIND TBC UNLESS OTHERWISE INDICATED OR APPROVED; INSTALL TOP OF GROUND SLEEVE 6-INCHES ABOVE ADJACENT TBC GRADE PERCURRENT SGES STANDARDS.

D. CONTRACTOR SHALL HAVE ADJACENT CURB LOCATION AND ELEVATION STAKED PRIOR TO PLACEMENT OF ELECTRICAL EQUIPMENT.

E. COORDINATE WITH SGES DEPARTMENT INSPECTOR FOR PHASE SEQUENCE NUMBERS AND TAPING INFORMATION TO BE LABELED ON NEW OR REPLACED TRANSFORMERS, AND PULLED OR RE-PULLED WIRE.

F. PRIMARY AND SECONDARY POWER CONDUITS SHALL BE STUBBED INTO SECONDARY BOXES BETWEEN CONSTRUCTION PHASES AS NECESSARY – TYPICAL.

G. METER, MAIN PANEL, AND DISCONNECTS SHALL BE MOUNTED OUTSIDE OF THE BUILDING ON AN EXTERIOR WALL IN A LOCATION THAT IS VISIBLE AND ACCESSIBLE TO THE POWER DEPARTMENT AND PUBLIC SAFETY ENTITIES. MAIN SHALL BE LOCATED ON THE SIDE OF THE BUILDING CLOSEST TO THE ELECTRICAL SOURCE / SECONDARY BOX.

H. EASEMENTS ARE REQUIRED FOR ALL ELECTRICAL EQUIPMENT, CONDUIT, AND WIRE TO POINT OF SERVICE.

I. PRIVATE STREET LIGHTS AND IRRIGATION CONTROLS, IF APPLICABLE, SHALL BE POWERED FROM BUILDING ELECTRICAL PANELS OR COMMON HOA METERS.

COMMERCIAL PROJECT POWER NOTES

A. CONTRACTOR SHALL HAVE ADJACENT TBC LOCATION AND ELEVATION, AND ANY OTHER APPLICABLE IMPROVEMENTS, STAKED PRIOR TO PLACEMENT OF ELECTRICALEQUIPMENT.

B. INSTALL NEW ELECTRICAL EQUIPMENT 6-FT. MIN. BEHIND TBC UNLESS OTHERWISE NOTED; INSTALL TOP OF GROUND SLEEVE 6-INCHES ABOVE ADJACENT TBC GRADE PER CURRENT SGES STANDARDS.

C. COORDINATE WITH SGES DEPARTMENT INSPECTOR FOR PHASE SEQUENCE NUMBERS AND TAPING INFORMATION TO BE LABELED ON NEW OR REPLACED TRANSFORMERS AND PULLED OR RE-PULLED WIRE.

D. ELECTRICAL ENGINEER SHALL PROVIDE AIC AND COMPLETE ALL NECESSARY CALCULATIONS IN ACCORDANCE TO CURRENT BUILDING CODES; INFORMATION TO BE INCLUDED WITH BUILDING PLANS. SGES WILL PROVIDE EXISTING EQUIPMENT INFORMATION AS NECESSARY.

E. METERS AND MAIN PANELS WITH DISCONNECTS SHALL BE MOUNTED OUTSIDE ON AN EXTERIOR BLDG. WALL, LOCATED TO BE VISIBLE & ACCESSIBLE TO THE POWER DEPARTMENT AND PUBLIC SAFETY ENTITIES.

F. EASEMENTS ARE REQUIRED FOR ALL ELECTRICAL EQUIPMENT, CONDUIT, AND WIRE TO POINT OF SERVICE.

G. METER BASES SHALL CONFORM TO A 5-JAW 12-S TYPE METER FOR SINGLE PHASE SERVICES BEING FED FROM A 3- PHASE TRANSFORMER.

DIXIE POWER NOTES

1. THE POWER DESIGN ON THIS UTILITY PLAN IS CONSIDERED BY DIXIE POWER TO BE PRELIMINARY UNTIL ACCOMPANIED BY A JUC APPROVAL STAMP. UPON RECEIPT OF THE JUC APPROVED DRAWING, DIXIE POWER'S ENGINEERING DEPARTMENT SHALL COMMENCE WITH THE FINAL CONSTRUCTION ESTIMATE. CONSTRUCTION ON THIS PROJECT WILL NOT COMMENCE UNTIL ALL CONSTRUCTION PAYMENTS HAVE BEEN MADE IN FULL.
2. ALL PRIMARY AND SECONDARY POWER INSTALLATION SHALL BE PERFORMED BY DIXIE POWER AND ITS APPROVED CONSTRUCTION CREWS. IF BACKFILL AND COMPACTION IS TO BE PROVIDED BY OWNER, ALL CONDUITS SHALL BE SAND BEDDED BEFORE NATIVE BACKFILL CAN BE UTILIZED.
3. IT IS THE RESPONSIBILITY OF THE OWNER TO PROVIDE LOCATIONS AND ELEVATIONS FOR EACH OF THE FACILITIES THAT ARE TO BE INSTALLED WITH THIS PROJECT. IF OVERHEAD POWER LINES ARE BEING CONSTRUCTED, THE FINAL GRADE OF THE EASEMENT SHALL BE ESTABLISHED BEFORE CONSTRUCTION CAN BEGIN. IF THE GRADE CHANGES AFTER THE CONSTRUCTION HAS BEEN COMPLETED, THE COSTS TO CHANGE THE ELEVATION SHALL BE BILLABLE TO THE OWNER.
4. ALL JUC TRENCHES SHALL BE BACKFILLED AND COMPACTED IN 6 TO 8" LIFTS TO A COMPACTION OF 95%IN ROADWAYS/SIDEWALKS AND 90% BEHIND SIDEWALKS AND AT ALL PREPARED TRANSFORMER PAD AND HEAVY HARDWARE LOCATIONS. TESTING IS TO BE DONE AT MIDDLE AND TOP OFTRENCH.
5. FIELD DENSITY REPORTS FROM AN ACCREDITED GEOTECHNICAL ENGINEERING COMPANY SHALL BE SUBMITTED TO DIXIE POWERS ENGINEERING DEPARTMENT UPON COMPLETION OF THE PROJECT.
6. ALL CHANGES TO EXISTING GRADES NEAR EXISTING POWER UTILITIES MUST BE APPROVED BY DIXIE POWER'S ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTION. BLUE STAKES PROTOCOL SHALL BE FOLLOWED AT ALL TIMES.
7. ANY IN-FIELD CHANGES TO THE JUC APPROVED POWER DESIGN WILL BE AT THE OWNER'S EXPENSE AND MUST BE PRE-APPROVED AND DOCUMENTED BY DIXIE POWER PRIOR TO INSTALLATION.
8. OVERHEAD POWER LINE EASEMENTS SHALL NOT BE LANDSCAPED WITH TREES THAT GROW MORE THAN 15 FT AT MAXIMUM MATURITY. ALL UNDERGROUND FACILITIES SHALL BE LEFT OPEN FROM LANDSCAPING (15FT IN FRONT AND 5FT ON SIDES AND BACK FOR TRANSFORMERS AND SWITCHES AND 15 FT IN FRONT AND BACK FOR PMH HARDWARE) FOR EASE OF ACCESS.
9. PLEASE REFERENCE WWW.DIXIEPOWER.COM FOR INFORMATION ON INSTALLATION GUIDELINESAND METERING STANDARDS.

CENTURYLINK NOTES

1. DEVELOPER TO PLACER CONDUIT IN ALL JUC TRENCH AND STUB UP AT ALL POWER LOCATIONS. CONTACT CENTURYLINK ENGINEER FOR PRINT IF NEEDED.
2. CENTURYLINK WILL PROVIDE ALL CONDUIT AND DELIVER TO JOB SITE. CALL 435-632-6553 SEVEN (7) DAYS PRIOR TO REQUIRING CONDUIT TO SCHEDULE DELIVERY.
3. CONTRACTOR TO INSTALL CONDUIT AND PLACE PULL STRING IN ALL CONDUIT TO VERIFY CONDUIT INTEGRITY.
4. ALL CONDUIT IS 2" UNLESS OTHERWISE NOTED.
5. ANY QUESTIONS TO JUC APPROVED PLANS PLEASE CONTACT CENTURYLINK ENGINEER ZACH MATHEWS AT 435-673-9639.
6. ANY CENTURYLINK FACILITY RELOCATIONS ASSOCIATED WITH PROJECT WILL BE BILLABLE TO OWNER/DEVELOPER. CENTURYLINK ENGINEER MUST BE CONTACTED A MINIMUM OF FOUR (4) WEEKS BEFORE RELOCATION IS REQUIRED
7. DEVELOPER IS RESPONSIBLE TO PROVIDE ALL STREET NAMES AND ADDRESSES WITHIN THREE (3) WEEKS OF UTILITY PLAN APPROVAL. FAILURE TO PROVIDE ADDRESSES WILL RESULT IN A DELAY OF SERVICE TO PROJECT.

DOMINION ENERGY NOTES

1. DEVELOPER NEEDS TO CONTACT DOMINION ENERGY PRECONSTRUCTION DEPARTMENT PRIOR TO BREAKING GROUND FOR GAS SIGN UP – **ERIC WARD 435-669-2269.**
2. DEVELOPER WILL BE RESPONSIBLE TO GET ALL COMPACTION TESTS DONE AT DEVELOPER'S EXPENSE.
3. IF CASINGS/CONDUITS ARE NEEDED, THEY ARE TO BE INSTALLED BY DEVELOPER AT THEIR COSTS. A MAP WILL BE AVAILABLE AT DOMINION ENERGY FOR CASING LOCATIONS (1155 E 350 N - STGEORGE).
4. ALL OF THE UTILITY EASEMENTS BACK OF SIDEWALK WILL BE GRADED, AT FULL WIDTH, TO WITHIN 6 INCHES OF TOP BACK OF CURB BEFORE GAS LINES WILL BE INSTALLED. ****NO RETAINING, ROCK, OR BLOCK WALLS MAY BE CONSTRUCTED ON/IN A PUE **DEVELOPER WILL BE RESPONSIBLE FOR THE COSTS OF ANY GAS LINES TO BE LOWERED AND/OR RELOCATED AFTER INSTALLATION. ****
5. ALL TRENCHES SHALL BE BACKFILLED AND ALL DEBRIS, CONSTRUCTION MATERIALS AND EXCESS DIRT PILES SHALL BE CLEARED AWAY.
6. PROPERTY LOT LINES, BACK OF CURB AND GRADE **MUST** BE STAKED BYDEVELOPER BEFORE GAS WILL BE INSTALLED.
7. POWER, WATER, SEWER LINES, CULVERTS OR OTHER HAZARDS NOT CLEARLY NOTICEABLE SHALLBE STAKED BY DEVELOPER.
8. FAILURE TO COMPLY WITH THE ABOVE NOTES WILL RESULT IN DELAY OF SERVICE TO THISPROJECT.
9. CONTACT **JC HALL, 435-210-0729**, AT LEAST TWO (2) WEEKS PRIOR TO BEING READY, FOR SCHEDULING OF INSTALLATION.
10. ****IMPORTANT NOTICE** GAS WILL BE PUT ON THE SCHEDULE FOR INSTALLATION WHEN POWER TRENCH IS BURIED, STREETS ARE WITHIN 6 INCHES OF SUB-GRADE AND THE UTILITY EASEMENT IS GRADED TO TOP BACK OF CURB.**
11. HIGH PRESSURE GAS NOTE:
    CONTRACTOR IS REQUIRED TO CALL **HIGH PRESSURE DISPATCH** AT **801-324-3370** OR **BRYAN WARD 435-559-6547**, AT LEAST 48 HOURS IN ADVANCE, BEFORE WORKIGN WITHIN 10 FEET OF A HIGH-PRESSURE GAS LINE. THIS WILL SCHEDULE A DOMINION ENERGY HIGH PRESSURE INSPECTOR TO THE PROJECT SITE.

INFOWEST, CATV/FIBER OPTIC NOTES:

1. DEVELOPER TO PROVIDE ALL REQUIRED TRENCHING WITHIN THE PROJECT.
2. ANY MODIFICATIONS REQUIRED TO FEED PROJECT WILL BE BILLED TO THE DEVELOPER.
3. INFOWEST WILL PROVIDE ALL CONDUITS. CALL 435-272-3559 OR EMAIL JUC@infowest.com FOR CONDUIT DELIVERY AT LEAST ONE (1) WEEK PRIOR TO OPENING THE TRENCH.
4. FOR COMMERCIAL PROJECTS WITH AN MDF/COMM ROOM. DEVELOPER WILL INSTALL A 2" PVC RUN TO THE EXTERIOR OF BUILDING.
5. ANY QUESTIONS REGARDING SERVICE SHOULD BE DIRECTED TOWARDS GAB TREMBLEY AT 435-272-3559 OR JUC@infowest.com.
6. RELOCATION OF EXISTING NEW OR EXISTING INFOWEST FACILITIES ARE BILLABLE TO THE DEVELOPER. THE DEVELOPER WILL BE PROVIDED WITH AN ESTIMATE OF COSTS FOR WORK DONE.

TDS, CATV/BROADBAND NOTES:

1. THE DEVELOPER WILL PROVIDE ALL REQUIRED TRENCH WITHIN THE PROJECT. ANY MODIFICATIONS ALONG THE PERIPHERY TO FEED THIS PROJECT WILL BE BILLED TO THE DEVELOPER.
2. TDS WILL PLACE CONDUITS IN AN OPEN/JOINT TRENCH. PLEASE CONTACT TDS ENGINEERING AT 435-288-1415 AT LEAST 3 WEEKS PRIOR TO OPENING TRENCH TO CREATE DESIGN AND SCHEDULE WORK.
3. CONTACT TDS PRIOR TO CONSTRUCTING BUILDINGS FOR PREWIRE OPTIONS FOR FIBER OPTIC SERVICE. ANY OTHER QUESTIONS REGARDING CONSTRUCTION OF SERVICE SHOULD BE DIRECTED TO TDS ENGINEERING AT 435-288-1415.
4. RELOCATION OF NEW OR EXISTING TDS FACILITIES WILL BE BILLABLE TO THE DEVELOPER/CONTRACTOR
5. ANY MODIFICATIONS AFTER CONDUIT/CABLE PLACEMENT WILL BE BILLABLE TO THE DEVELOPER/CONTRACTOR AS WILL DAMAGES CAUSED BY OTHER CONTRACTORS WORKING FOR THE DEVELOPER ON THIS PROJECT.

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
St. George Regional Airport

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	KJM	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

REGISTERED PROFESSIONAL ENGINEER
12/21/2023
No. 181491
KIRK McDANIEL
STATE OF UTAH

KIRK J MCDANIEL PE-181491 12/21/2023
NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

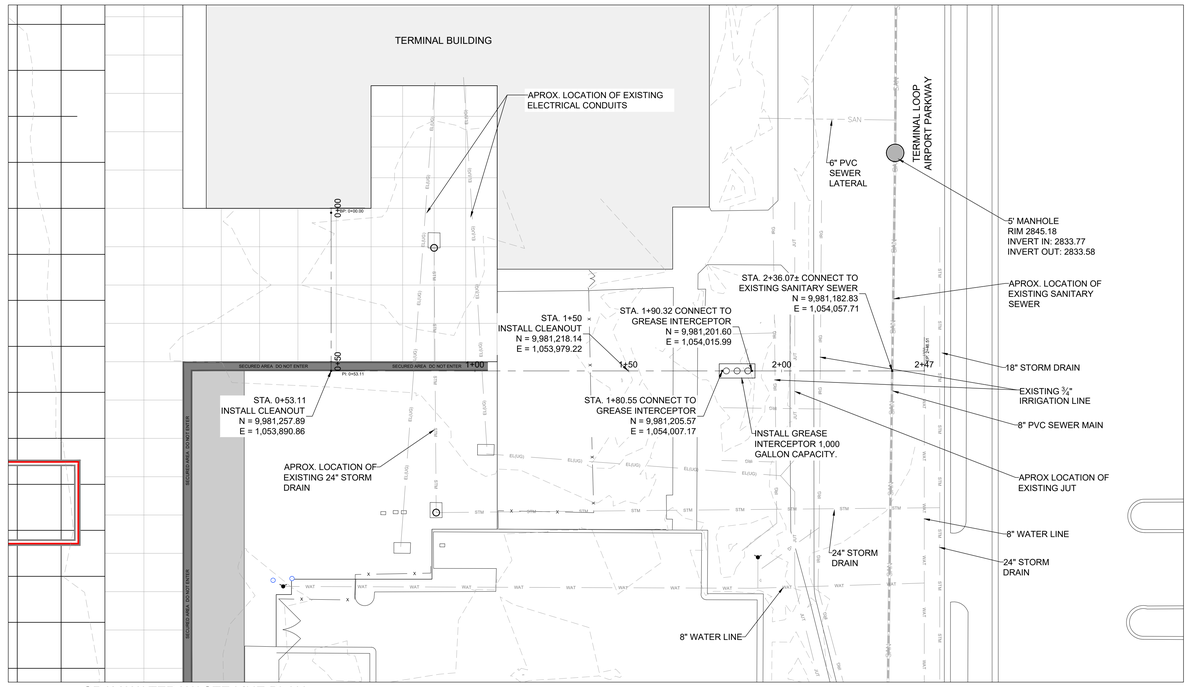
DRAWN: OB CHECKED: W APPROVED: W

PROJECT NUMBER: **10016873.00**

JOINT UTILITY NOTES

C-006

Autodesk Docs://Jviation - SGU Hub/23643_St. George Airport Terminal Renovation_v22_MECH.rvt
P101 OVERALL FIRST FLOOR PLUMBING 12/4/2023 3:49:30 PM

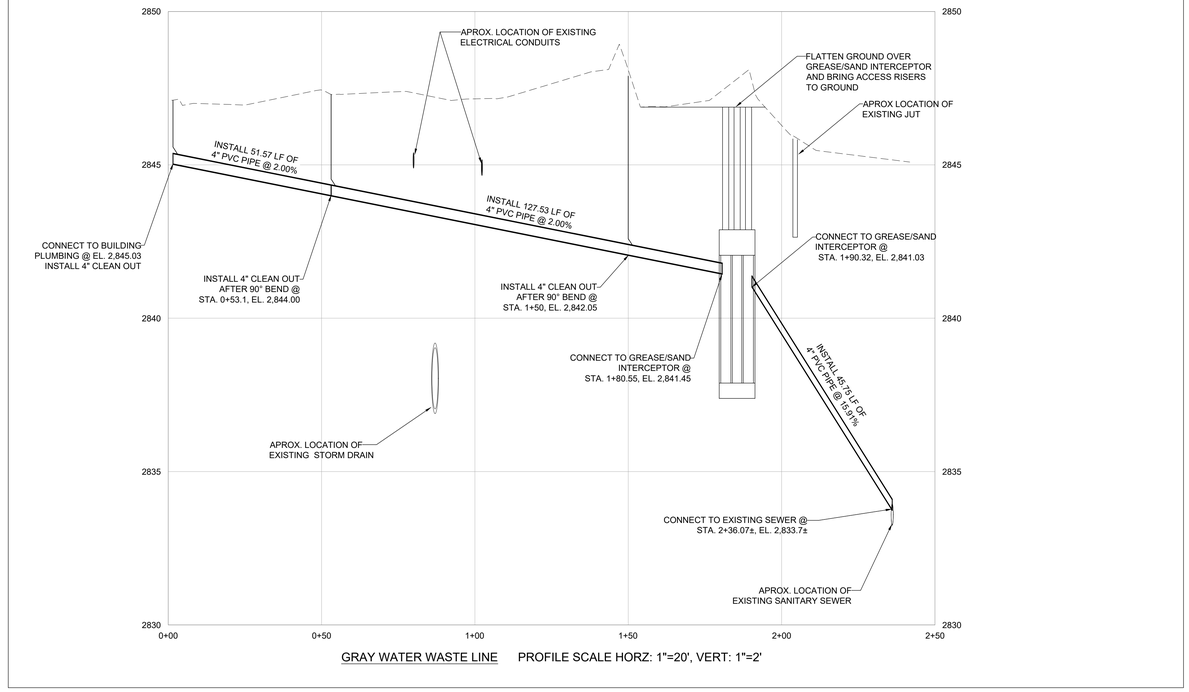


1 GRAY WATER WASTE LINE PLAN
1" = 20'

NOTES:

1. ALL WORK ON THE NEW 4-INCH WASTE LINE AND GREASE INTERCEPTOR OUTSIDE THE EXISTING FENCE SHALL BE COMPLETED BETWEEN THE HOURS OF 7 PM AND 7 AM. NO OPEN TRENCHES SHALL BE ALLOWED IN THIS AREA BETWEEN 7 AM AND 7 PM. INSTALL STEEL PLATES OVER ANY OPEN TRENCHES OR HOLES.
2. PROTECT ALL EXISTING IRRIGATION LINES, SIDEWALKS AND OTHER FACILITIES DURING INSTALLATION OF THE WASTE LINE AND GREASE INTERCEPTOR. CONTRACTOR SHALL REPLACE ANY DAMAGED FACILITIES.
3. ALL WORK SHALL BE COMPLETED PER ST. GEORGE CITY CONSTRUCTION REQUIREMENTS, INCLUDING ALL REQUIRED TESTING.
4. NO POWER REQUIRED FOR THIS PROJECT.

GRAPHIC SCALE
20 0 20 40
(SCALE: 1" = 20')



GRAY WATER WASTE LINE PROFILE SCALE HORZ: 1"=20', VERT: 1"=2'

1 GRAY WATER WASTE LINE PROFILE
1" = 20'

Manning Formula: Determining Gravity Flow in Open Channel for Kitchen Plumbing Fixtures — PAGE 1

FACILITY ID: SG George Airport Terminal Renovation - 2nd Floor
Date calculated: 7-Dec-23
Manning formula for flow rate Q, in gpm:
Q = 668 A R^(2/3) S^(1/2) / n
Area & hydraulic radius, for delta flow depths

d/D ratio	A/D	R/D
0.872	0.7254	0.3017

Type of pipe = New Acrylic/PVC
Roughness coefficient
" ENTER n = 0.008 get "n" from hydraulic reference materials
D = pipe diameter = 0.125 ft
d=depth, flow in pipe = 0.109 ft
ratio: d/D = 0.872
cross sectional area of flow A = 0.011 sq. ft.
hydraulic radius, R = 0.038 ft.
hydraulic gradient Slope , S = 2.08 ft per 100 ft, or 0.0208 Building code = ¼ inch per foot) minimum for 2½" and smaller pipes
Q, gpm = Manning Formula Result: drainage flowrate per fixture, gpm = 15.41 gpm for ONE drainage unit. If more, if entered here =>

ENTER SINK DRAIN SPECIFICATIONS
enter pipe interior diameter: 1.50 inches
Enter max depth value from cell below, or own flow depth: 0.109 ft (be sure to convert inches to feet)
remember: pipe won't flow at 100% full, by gravity
maximum depth of flow during peak drainage, at 7/8 full: 0.109 ft
100 ft
or 0.0208 ft per foot
ENTER City Requirement (carries over to next step)
1

Grease Interceptor/Trap Sizing Calculation for:
FACILITY ID: St. George Airport Terminal Renovation - 2nd Floor
Data Calculated: 7-Dec-23

		Enter Width Dimension (inches)	Enter Length Dimension (inches)	Enter Depth Dimension (inches)
1st drainage sink/unit (2 or 3 compartment)	compartment 1	16	20	14
	compartment 2	16	20	14
	compartment 3	16	20	14
2nd drainage sink/unit (2 or 3 compartment)	compartment 1			
	compartment 2			
	compartment 3			
3rd drainage sink/unit (2 or 3 compartment)	compartment 1			
	compartment 2			
	compartment 3			
4th drainage unit (2 or 3 compartment)	compartment 1			
	compartment 2			
	compartment 3			
4-compartment sink 5th drainage unit	1. pre-rinse			
	2. wash			
	3. rinse			
	4 sanitize			
wok/tilt kettle dimensions	diameter - inches			
	depth - inches		volume, gal =	
7th/8th drainage unit Loading deducted, not flowrate from sinks	Meat/Vegetable Prep/Sink Calculation (meat sink) (50%)			
	veg sink (-75%)			
9th drainage unit used for pre-dishwash	Pre-Rinse Sink compartment 1			
	compartment 2			
10th drainage unit	Can Wash: low impact, deduct 75% of contribution compartment 1			
	compartment 2			

Dishwasher Contribution (per supplier): Unit 1 ____ gpm; Unit 2 ____ gpm
Garbage Disposal ,Food Grinder, or Pulper (per supplier): Unit 1 ____ gpm
(if present, 30% interceptor size increase required)

SUM OF ALL SINKS, Total cu.ft. 7.78 = *PEAK Gallons 43.63
Note: hydraulic and FOG loading deductions for vegetable & meat sinks included in this calculation
* Assumes all sinks to be 75% full, and draining at same time.

Sink drain pipe size: 1.5 inches, by contractor
@ minimum required slope, maximum draining flow rate from 15.41 gpm will be
1 sink drainage units

← NOTE: Use for interior trap PLUS exterior GI only, where prerinse sink is only connection to grease waste lines. Wash, rinse, sanitize sinks go to sanitary waste lines, by-pass GI. Must be approved by local and County authorities before installed.

GREASE & OIL CONTROL REQUIREMENTS:
Provide for a minimum hydraulic retention time (HRT) of 24 minutes at peak calculated flow rate.

43.63 total gallons to be drained from all sinks
15.41 Peak gallons per min. , (flow from indirect floor sink to trap)
2.83 minutes for sinks to drain

Wastewater oil and grease discharge concentration from subject grease trap or interceptor shall not be allowed to exceed (100) milligrams per liter, as identified by method 5520 F, "Standard Methods for the Examination of Water and Wastewater", 18th edition. The alternate numerical limit using EPA Method 1664 A is (100) mg/L.

PAGE 2

NOTE: Please attach copy of this document to construction plans for review. Please note drain pipe size criteria on page 1 of this document. This notice of conformance to City specifications is dependent on pipe size installation, as noted above.

Peak Flowrate GPM		total from dishwasher glasswasher disposal GPM		Flowrate GPM	Round up to next available size	Retention Time (HRT), minutes	Conforming to: City hydraulic retention requirements? see message at left:
15.41	+	0	=	15.41	370	24.0	

Waste grease interceptor specifications

IF garbage disposal used 30% tank size increase Round UP to next available size

GI TANK SIZES
500
750
1,000
1,200
2,000
3,500
5,000
7,500
8,500
10,000

SGU REGIONAL AIRPORT

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION

4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
St. George Regional Airport

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
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ISSUED FOR BID

REGISTERED PROFESSIONAL ENGINEER
12/21/2023
No. 181491
KIRK J McDANIEL
STATE OF UTAH

KIRK J MCDANIEL | PE-181491 | 12/21/2023
NAME | REG. NO. | DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: LOB | CHECKED: JSW | APPROVED: JSW

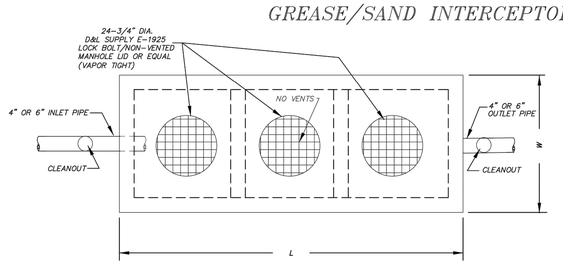
PROJECT NUMBER: 10016873.00

NEW WASTE LINE PLAN AND PROFILE

C-200

Autodesk Docs://jviation - SGU Hub/23643_St. George Airport Terminal Renovation_v22_MECH.rvt
P101 OVERALL FIRST FLOOR PLUMBING 12/4/2023 3:49:30 PM

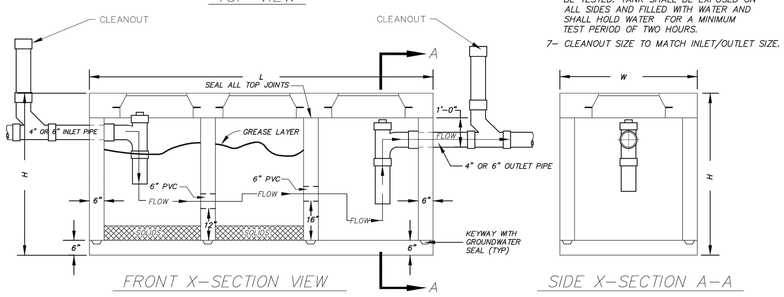
SAINT GEORGE REGION STANDARD
GREASE/SAND INTERCEPTOR



TOP VIEW

NOTES:

1- MATERIAL SPEC'S:
A. CONCRETE PORTLAND CEMENT TYPE II, MINIMUM COMPRESSIVE STRENGTH=3000 PSI AT 28 DAYS.
B. REINFORCING BAR INTERMEDIATE GRADE ASTM A615.
C. REINFORCING WELDED WIRE MESH ASTM A185
2- UNIT COATED OUTSIDE WITH AN APPROVED PROTECTIVE COATING.
3- ALL DIMENSIONS L, H, & W DEPENDANT ON TANK CAPACITY AND MANUFACTURE MINIMUM TANK SIZE SHALL BE 1000 GALLON
4- PRECAST UNIT TO BE PLACED ON NATURAL SOIL OR APPROVED COMPACTED FILL.
5- STANDARD GROUND WATER SEAL- BUTYL ROPE MASTIC OR CEMENT MORTAR.
6- PRIOR TO BACKFILLING, INTERCEPTOR SHALL BE TESTED. TANK SHALL BE EXPOSED ON ALL SIDES AND FILLED WITH WATER AND SHALL HOLD WATER FOR A MINIMUM TEST PERIOD OF TWO HOURS.
7- CLEANOUT SIZE TO MATCH INLET/OUTLET SIZE.



FRONT X-SECTION VIEW

SIDE X-SECTION A-A

Pretreatment Notes

1. A "Food Service Establishment" is defined as any building, vehicle, place, or structure, or any room or division in a building, vehicle, place, or structure, where: (A) food is prepared, served, or sold for immediate consumption on or in the vicinity of the premises; (B) called for or taken out by customers; or (C) prepared prior to being delivered to another location for consumption.(Ord. 8-4-14-2)

2. All newly constructed commercial structures, strip malls, multi-tenant planned occupied buildings, or planned unoccupied buildings, shall install independent wastewater discharge lines stubbed out within each designated future food establishment unit. If a new source commercial structure, strip mall, or multi-tenant building has planned occupancy by one or more businesses that do not generate FOG, and therefore do not need a grease interceptor, and the owner of the structure does not facilitate the installation of independent wastewater discharge lines and install a common interceptor, then no future food establishment shall be permitted, unless the facilities are retrofitted for independent lines.(Ord. 8-4-14-3)

3. All plans proposing to install an interceptor must include the City of St. George Standard Detail. (Ord. 8-4-14-3)

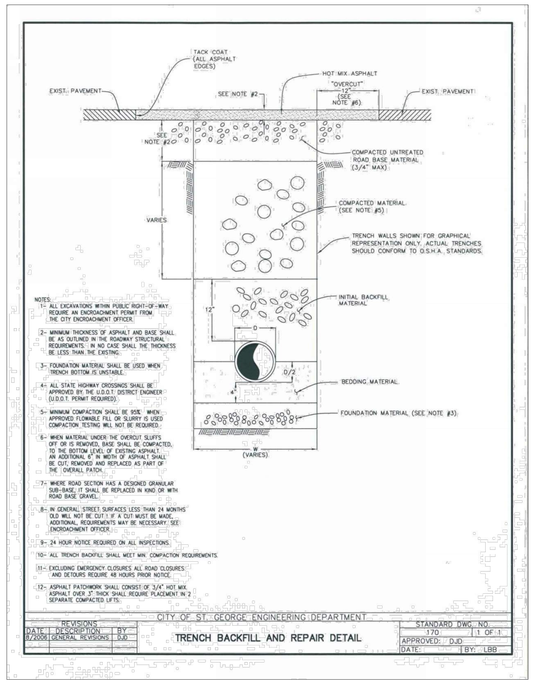
4. The discharge of wastewater with temperatures in excess of one hundred forty degrees Fahrenheit (140°F) to any FOGS control device, including interceptors and traps, is prohibited. (Ord. 8-4-14-4)

5. Installation and use of food grinders in new and/or remodeled FSE's are not recommended. (Ord. 8-4-14-4)

6. All drains near chemical storage shall be plugged and/or chemicals shall have secondary containment to prevent discharge into the sanitary sewer.

7. All kitchen fixtures (including mop sinks and excluding hand washing sinks and ice machines) must discharge to the grease waste line that flows into the grease interceptor. Prior to occupancy and/or the issuance of the business license and following the interceptor leak test approval, all kitchen fixtures must pass a dye test performed by the Pretreatment Departtment. Request a dye test from the Pretreatment Department by visiting pretreatment.sgcity.org when all kitchen fixtures are installed, plumbed to the grease interceptor, and have running water to them. Any questions can be directed to (435) 627-4266.

8. No user shall introduce or cause to be introduced into the POTW any pollutant or wastewater as outlined in Ord. 8-4-2.1 (Prohibited Discharge Standards).



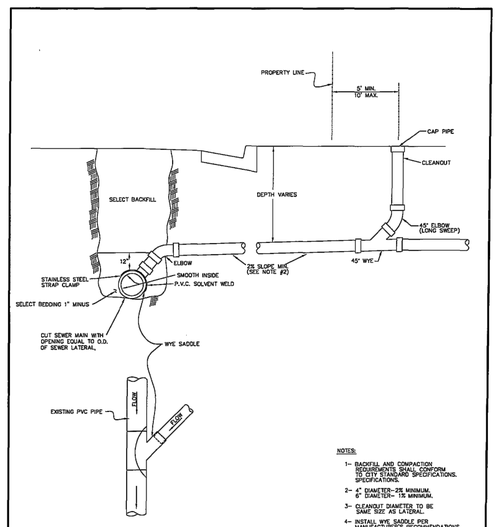
NOTES:
1- ALL EXCAVATIONS WITHIN PUBLIC RIGHT-OF-WAY REQUIRE AN ENCROACHMENT PERMIT FROM THE CITY ENCROACHMENT OFFICER.
2- MINIMUM THICKNESS OF ASPHALT AND BASE SHALL BE AS OUTLINED IN THE ROADWAY STRUCTURAL REQUIREMENTS. IN NO CASE SHALL THE THICKNESS BE LESS THAN THE EXISTING.
3- FOUNDATION MATERIAL SHALL BE USED WHEN TRENCH BOTTOM IS UNSTABLE.
4- ALL STATE HIGHWAY CROSSINGS SHALL BE APPROVED BY THE U.D.O.T. DISTRICT ENGINEER (U.D.O.T. PERMIT REQUIRED).
5- MINIMUM COMPACTION SHALL BE 95%. WHEN APPROVED FLOWABLE FILL OR SLURRY IS USED COMPACTION TESTING WILL NOT BE REQUIRED.
6- WHEN MATERIAL UNDER THE OVERCUT SLUFFS OFF OR IS REMOVED, BASE SHALL BE COMPACTED, TO THE BOTTOM LEVEL OF EXISTING ASPHALT. AN ADDITIONAL 6" IN WIDTH OF ASPHALT SHALL BE CUT REMOVED AND REPLACED AS PART OF THE OVERALL PATCH.
7- WHERE ROAD SECTION HAS A DESIGNED GRANULAR SUB-BASE, IT SHALL BE REPLACED IN KIND OR WITH ROAD BASE GRAVEL.
8- IN GENERAL, STREET SURFACES LESS THAN 24 MONTHS OLD WILL NOT BE CUT. IF A CUT MUST BE MADE, ADDITIONAL REQUIREMENTS MAY BE NECESSARY. SEE ENCROACHMENT OFFICER.
9- 24 HOUR NOTICE REQUIRED ON ALL INSPECTIONS.
10- ALL TRENCH BACKFILL SHALL MEET MIN. COMPACTION REQUIREMENTS.
11- EXCLUDING EMERGENCY CLOSURES ALL ROAD CLOSURES AND DETOURS REQUIRE 48 HOURS PRIOR NOTICE.
12- ASPHALT PATCHWORK SHALL CONSIST OF 3/4" HOT MIX ASPHALT OVER 3" THICK SHALL REQUIRE PLACEMENT IN 2 SEPARATE COMPACTED LIFTS.

CITY OF ST. GEORGE ENGINEERING DEPARTMENT

REVISIONS DATE	DESCRIPTION	BY
8/2006	GENERAL REVISIONS	DJD

TRENCH BACKFILL AND REPAIR DETAIL

STANDARD DWG. NO. 170 | 1 OF 1
APPROVED: DJD
DATE: | BY: LBB



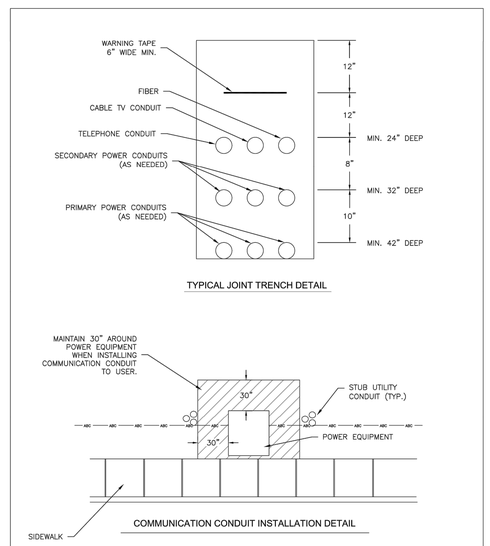
NOTES:
1- BACKFILL AND COMPACTION REQUIREMENTS SHALL CONFORM TO CITY STANDARD SPECIFICATIONS.
2- 4" DIAMETER- 2% MINIMUM. 6" DIAMETER- 1% MINIMUM.
3- CLEANOUT DIAMETER TO BE SAME SIZE AS LATERAL.
4- INSTALL WYE SADDLE PER MANUFACTURER'S RECOMMENDATIONS.

CITY OF ST. GEORGE ENGINEERING DEPARTMENT

REVISIONS DATE	DESCRIPTION	BY

P.V.C. SERVICE CONNECTION
EXISTING P.V.C. SEWER MAINS

STANDARD DWG. NO. 231 | 1 OF 1
APPROVED:
DATE: | BY: LBB



TYPICAL JOINT TRENCH DETAIL

COMMUNICATION CONDUIT INSTALLATION DETAIL

REVISIONS: REV	DATE	BY	DESCRIPTION

APPROVED BY: --
DRAWN BY: --
DATE: --
FILE: --

TYPICAL JOINT UTILITY TRENCH DETAIL
CITY OF ST. GEORGE
ENERGY SERVICES DEPARTMENT
UNDERGROUND STANDARDS

DETAIL D18

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790
A PROJECT FOR:
St. George Regional Airport

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	KJM	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

REGISTERED PROFESSIONAL ENGINEER
12/21/2023
No. 181491
KIRK J McDANIEL
STATE OF UTAH

KIRK J MCDANIEL | PE-181491 | 12/21/2023
NAME | REG. NO. | DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: OB | CHECKED: W | APPROVED: W

PROJECT NUMBER: **10016873.00**

WASTE LINE AND GREASE INTERCEPTOR DETAILS, AND PRETREATMENT NOTES

C-250

Autodesk Docs://Jviation - SGU Hub/23843_St. George Airport Terminal Renovation_v22_MECH.rvt
P101 OVERALL FIRST FLOOR PLUMBING 12/4/2023 3:49:30 PM

ABBREVIATIONS

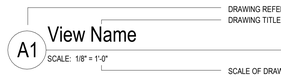
SYMBOLS	
&	AND
∠	ANGLE
@	AT
℄	CENTER LINE
∅	DIAMETER
⊏	CHANNEL
A	
ACOUS	ACOUSTICAL
ACP	ACOUSTICAL PANEL
ACPL	ACOUSTICAL PLASTER
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHR	ANCHOR
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATELY
AP	ACOUSTICAL PANEL
APT	ACCENT PAINT
ATTEN	ATTENUATION
B	
BD	BOARD
BLDG	BUILDING
BLK	BLOCK
BM	BEAM
BMD	BOTTOM OF METAL DECK
BOD	BOTTOM OF DECK
BOT	BOTTOM
BRG	BEARING
BRK	BRICK
BSMT	BASEMENT
C	
CAB	CABINET
CB	CATCH BASIN
CEM	CEMENT
CEM PLAS	CEMENT PLASTER
CER	CERAMIC
CG	CORNER GUARD
CJ	CONTROL JOINT
CLG	CEILING
CM	CERAMIC MOSAIC
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CPT	CARPET
CR	COLD ROLLED
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTW	CERAMIC TILE WAINSCOT
D	
DBL	DOUBLE
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DWG	DRAWING
E	
E	EAST
EA	EACH
EG	EDGE GUARD
EH	ELECTRIC HEATER
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATION
ENAM	ENAMEL
EPT	EPOXY PAINT
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXP	EXPANSION
EXP	EXPOSED STRUCTURE
EXT	EXTERIOR
F	
FD	FLOOR DRAIN
FDTN	FOUNDATION

F Cont'd.	
FEC	FIRE EXTINGUISHER CABINET
FH	FLAT HEAD
FIN	FINISH
FLR	FLOOR
FLUOR	FLUORESCENT
F.PRG	FIREPROOFING
FR	FRAME
FRT	FIRE RETARDANT TREATED
FSEP	FOOD SERVICE EQUIPMENT PROVIDER
FT	FOOT
FTG	FOOTING
FV	FIELD VERIFY
G	
G	GROUND
G BLK	GLAZED BLOCK
GA	GAUGE
GALV	GALVANIZED
GB	GYPSUM BOARD
GC	GENERAL CONTRACTOR
GEN	GENERAL
GFCI	GROUND FAULT CIRCUIT INTERRUPT
GI	GALVANIZED IRON
GL	GLASS
GL BLK	GLASS BLOCK
GS	GROUT SOLID
GT	GLAZED TILE
GT	GROUT
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
GYP BD	GYPSUM BOARD
GYP PLAS	GYPSUM PLASTER
H	
HC	HOLLOW CORE
HD	HEAD
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HNDRL	HANDRAIL
HORIZ	HORIZONTAL
HT	HEIGHT
I	
ID	INSIDE DIAMETER
IN	INCH
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
J	
JAN	JANITOR
JT	JOINT
J-BOX	JUNCTION BOX
K	
KIT	KITCHEN
KPL	KICKPLATE
L	
LAM	LAMINATE
LAV	LAVATORY
LINO	LINOLEUM
LT WT	LIGHT WEIGHT
LVR	LOUVER
M	
MACH	MACHINE
MAX	MAXIMUM
MB	MARKER BOARD
MB/MR	MARKER BOARD/MAP RAIL
MECH	MECHANICAL
MFR	MANUFACTURER
MGB	MOISTURE GYPSUM BOARD
MGYP BD	MOISTURE GYPSUM BOARD
MH	MAN HOLE
MIN	MINIMUM
MIRR	MIRROR
MR	MOISTURE RESISTANT
MO	MASONRY OPENING
MTL	METAL
MULL	MULLION
N	
N	NORTH
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
O	
OC	ON CENTER
OH	OVERHANG
OHD	OVERHEAD DOOR
OD	OUTSIDE DIAMETER
OPNG	OPENING
OP	OPERABLE PARTITION
OPP	OPPOSITE

P	
PC	PRECAST CONCRETE
PL	PLATE
PEMB	PRE-ENGINEERED METAL BUILDING
PLAS	PLASTER
PLYWD	PLYWOOD
PORC	PORCELAIN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
Q	
QT	QUARRY TILE
R	
R	RADIUS
R	RISERS
RB	RESILIENT BASE
RBR	RUBBER
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REC	RECESSED
REF	REFERENCE
REINF	REINFORCED
REQD	REQUIRED
RES	RESISTANT
RESIL	RESILIENT
RET	RETAINING
RM	ROOM
RO	ROUGH OPENING
S	
S	SOUTH
SC	SEALED CONCRETE
SCHED	SCHEDULE
SCW	SOLID CORE WOOD
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SKF	SPECIALTY KITCHEN FLOORING
SLNT	SEALANT
SPEC	SPECIFICATION
SQ	SQUARE
SRB	STAIR RUBBER BASE
SSMR	STANDING SEAM METAL ROOF
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STUC	STUCCO
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SV	SHEET VINYL
T	
T	TREADS
T & B	TOP AND BOTTOM
T & G	TONGUE AND GROOVE
TB	TACK BOARD
TEL	TELEPHONE
TER	TERRAZZO
TFF	TO FINISHED FACE
TOC	TOP OF CONCRETE
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TOW	TOP OF WALL
THRU	THROUGH
TS	TACK STRIP
TTD	TOILET TISSUE DIPENSER
TYP	TYPICAL
U	
UR	URINAL
UNO	UNLESS NOTED OTHERWISE
V	
VCP	VITRIFIED CLAY PIPE
VCT	VINYL COMPOSITION TILE
VET	VINYL ENHANCED TILE
VERT	VERTICAL
VWB	VENTED WALL BASE
VWC	VINYL WALL COVERING
W	
W	WEST
W/	WITH
WC	WATER CLOSET
WD	WOOD
WF	WIDE FLANGE
WDP	WOOD PANELING
WR	WATER-RESISTANT
WP	WATERPROOF
WWF	WELDED WIRE FABRIC

REFERENCE SYMBOLS

DRAWING TITLE



EXTERIOR ELEVATIONS



INTERIOR ELEVATIONS



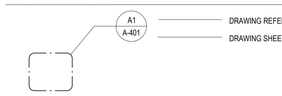
BUILDING SECTION



WALL SECTION

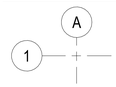


DETAIL/ENLARGED PLAN



DRAWING SYMBOLS

COLUMN GRID LINES



MISCELLANEOUS SYMBOLS



ROOM SYMBOL



GRAPHIC SYMBOLS



DOOR SYMBOL



REVISION

WALL TYPE

MATCH LINE

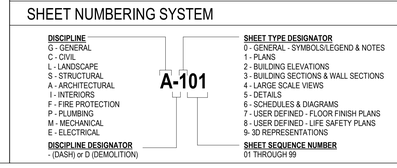


WINDOW TAG

KEY NOTE

ACCESSORY

SHEET NUMBERING SYSTEM



MATERIAL SYMBOLS

EARTHWORK



CONCRETE



MASONRY



STONE



METAL



WOOD



GLASS



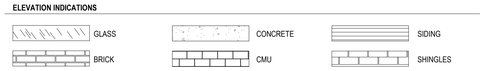
INSULATION



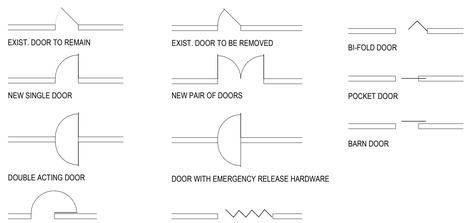
FINISHES



ELEVATION INDICATIONS

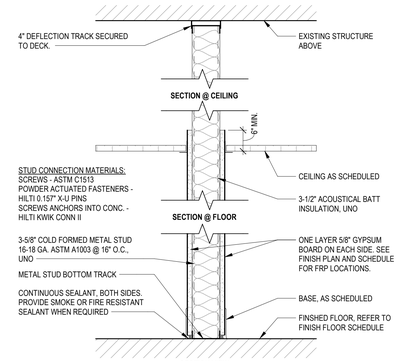


DOOR CONVENTIONS



GENERAL SHEET NOTES:

A. PARTITION TYPES DO NOT INCLUDE ALL APPLIED FINISHES. REFER TO FINISH SCHEDULE.
B. SEAL TOP OF WALL AT STRUCTURAL (ROOF/FLOOR) DECK, AT PERIMETER, AT WALL INTERSECTIONS, AT FLOOR, AND AT ALL PENETRATIONS.
C. FOR ALL METAL STUD PARTITIONS, FINISHES SHALL BE TERMINATED AT SAME HEIGHT AS STUD ON BOTH SIDES, UNLESS NOTED OTHERWISE.
D. ALL NON-BEARING WALLS AND PARTITIONS WHICH EXTEND TO THE UNDERSIDE OF THE METAL DECK SHALL BE POCKETED TO RECEIVE METAL JOINTS. POCKETS IN NON-RATED WALLS SHALL BE STOPPED WITH MINERAL WOOL.



NOTE: MAINTAIN CONTINUITY OF RATED ASSEMBLY FOR ALL PENETRATIONS

4A 3-5/8" METAL STUD AT 16" O.C. WITH 5/8" GWB ON EACH SIDE WITH CONTINUOUS 3-1/2" SOUND ATTENUATION BATTS. EXTEND PARTITION METAL STUD TO DECK ABOVE AND TERMINATE GYPSUM BOARD 6" ABOVE FINISH CEILING, MINIMUM.

D7 PARTITION TYPE 4A
1 1/2" = 1'-0"

NOTE: MAINTAIN CONTINUITY OF RATED ASSEMBLY FOR ALL PENETRATIONS

4B 3-5/8" METAL STUD AT 16" OC WITH 5/8" GWB ON ONE SIDE WITH CONTINUOUS 3-1/2" ACOUSTICAL ATTENUATION BATTS. EXTEND GWB 6" ABOVE CEILING

B7 PARTITION TYPE 4B
1 1/2" = 1'-0"

GRAPHIC SCALE
1 1/2"=1'-0"
0 3" 6" 9" 1' 2'

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TERMINAL RENOVATION

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ST. GEORGE, UTAH 84790
A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

STATE OF UTAH
ANDREW J. REMSTAD
No. 8845747-0301
12/21/2023
LICENSED ARCHITECT

ANDY J REMSTAD 8845747-0301 12/21/2023
NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: RCS | CHECKED: AMA | APPROVED: AJR

PROJECT NUMBER: **10016873.00**

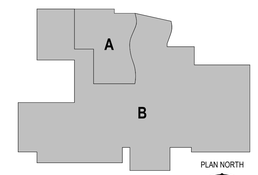
SYMBOLS, ABBREVIATIONS, AND PARTITION TYPES

A-001

A-001 SYMBOLS, ABBREVIATIONS, AND PARTITION TYPES
Autodesk Docs://Jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt
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A1 FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE
1/8"=1'-0"
0 4' 8' 16' 24'

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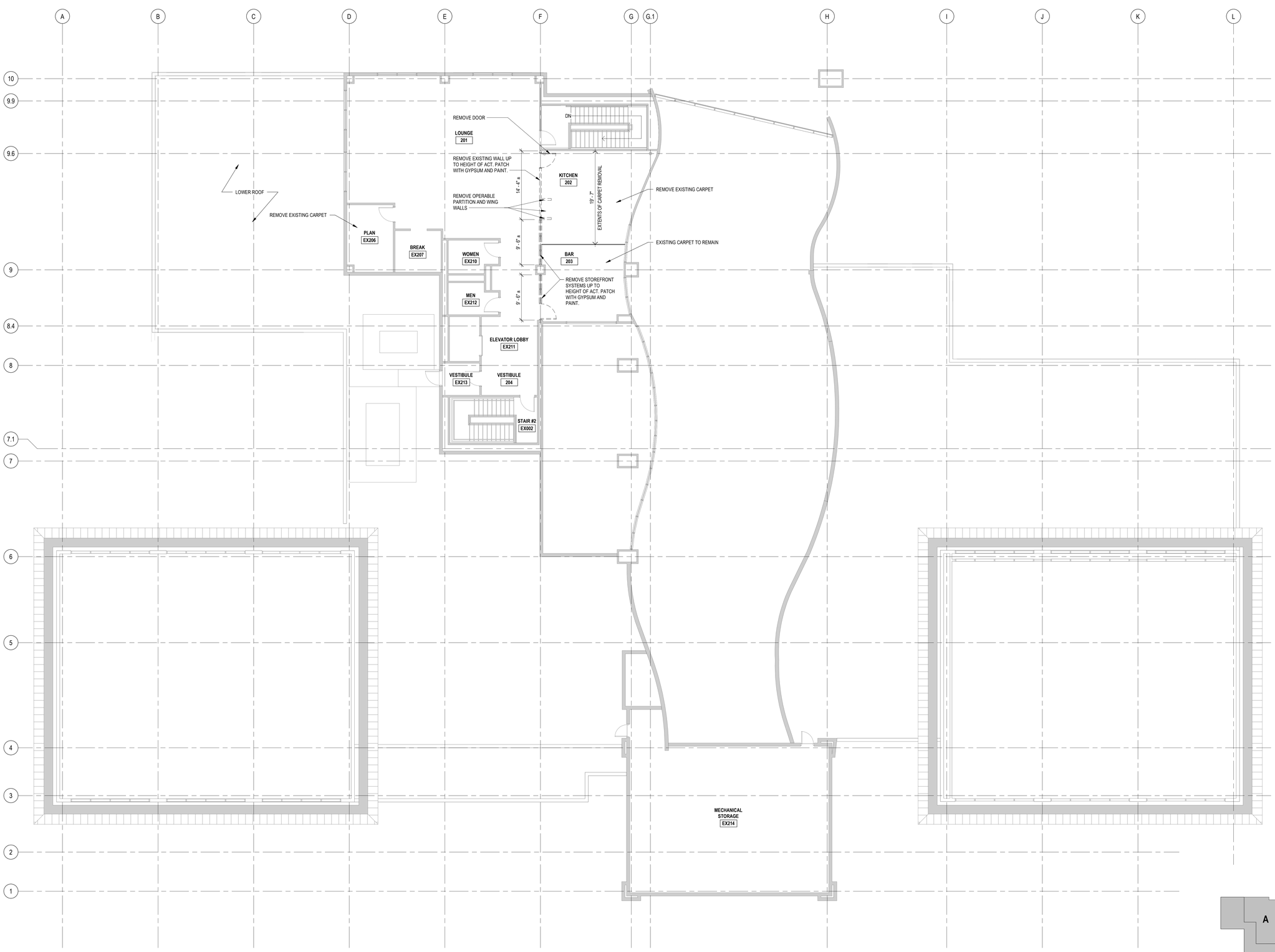
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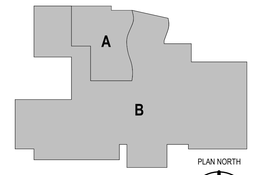
OVERALL FIRST FLOOR DEMOLITION PLAN

AD101

AD101 OVERALL FIRST FLOOR DEMOLITION 12/21/2023 4:36:00 PM Autodesk Docs://Jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt



A1 SECOND FLOOR DEMOLITION PLAN
1/8" = 1'-0"



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE
1/8"=1'-0"
0 4' 8' 16' 24'

SGU REGIONAL AIRPORT

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OVERALL SECOND FLOOR DEMOLITION PLAN

AD102

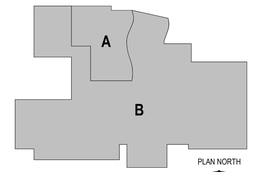
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GENERAL SHEET NOTES:

A. ALL DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ALL DISCREPANCIES PRIOR TO STARTING WORK.
B. ALL DIMENSIONS ARE FACE OF MASONRY, POURED CONCRETE, OR FACE OF STUD (WOOD OR METAL, U.N.O.
C. ALL INTERIOR PARTITIONS TO BE **TYPE 4A** UNLESS NOTED OTHERWISE. REFER TO SHEET A-000 FOR PARTITION DETAILS.
D. ALL INTERIOR DOOR FRAMES SHALL BE LOCATED A DISTANCE OF SIX INCHES FROM THROAT RETURN TO THE CLOSEST ADJACENT PERPENDICULAR PARTITION, U.N.O.
E. PROVIDE SOLID BLOCKING/BACKING IN-WALL CAVITIES AT ALL WALL MOUNTED CASEWORK, FIXTURES, EQUIPMENT AND SHELVING. REFER TO TYPICAL PARTITION AND BACK PLATE DETAILS FOR ADDITIONAL INFORMATION.
F. REFER TO MEP AND FIRE PROTECTION DRAWINGS FOR MOUNTING HEIGHTS OF SWITCHES, OUTLETS, ALARMS AND ALL SURFACE MOUNTED COMPONENTS.
G. REFER TO SHEET A-701 FOR DOOR SCHEDULE.
H. REFER TO SHEET A-701 FOR FINISH SCHEDULE AND FLOOR PATTERNS.

HOLD ROOM EX100
STAIR #1 EX001
SEATING EX107
CHASE EX101
CHASE EX102
WOMEN EX103
MEN EX104
FAMILY TOILET EX105
CONCESSIONS EX106
JANITOR EX108
ELEV. MACH. RM. EX109
ELEVATOR
ELEV. LOBBY EX110
CORRIDOR EX111
COMM. EX112
STAIR #2 EX002
UP
A1 A-401
GARDEN EX113
PAX. SCREENING EX114
SCREENING EX115
TSA TRAINING EX116
OFFICE EX117
VEST. EX118
TSA BREAK ROOM EX120
TSA OFFICE EX121
SUP. EX122
COMM. EX123
CORRIDOR EX124
OFFICE EX125
OFFICE EX126
ELECTRICAL EX127
OFFICE EX128
ATO EX137
OFFICE EX138
TSA EX139
ELECTRICAL EX130
STORAGE EX131
JANITOR EX132
PUMP EX133
CORRIDOR EX134
ALCOVE EX114A
WOMEN EX135
MEN EX136
VESTIBULE EX135A
FAMILY TOILET EX144
JANITOR EX146
VESTIBULE EX136A
LOST BAG EX141
CONCESSIONS EX142
MEET/GREET EX143
BAGGAGE CLAIM EX140
TICKETING EX147
RENTAL CAR EX148
RENTAL CAR EX150
RENTAL CAR EX152
RENTAL CAR EX154
OFFICE EX149
OFFICE EX151
OFFICE EX153
OFFICE EX155
SECURITY OFFICE EX155
MAIL EX157
FIRE RISER ROOM EX158

A1 OVERALL FIRST FLOOR PLAN
1/8" = 1'-0"



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE
1/8"=1'-0"
0 4' 8' 16' 24'

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LICENSED ARCHITECT

ANDY J REMSTAD 8845747-0301 12/21/2023
NAME REG. NO. DATE
FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: RCS | CHECKED: AMA | APPROVED: AJR

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OVERALL FIRST FLOOR PLAN

A-101

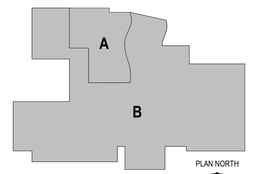
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H. REFER TO SHEET A-701 FOR FINISH SCHEDULE AND FLOOR PATTERNS.

A1 OVERALL SECOND FLOOR PLAN
1/8" = 1'-0"



KEY PLAN
NOT TO SCALE

PLAN NORTH

GRAPHIC SCALE
1/8"=1'-0"
0 4' 8' 16' 24'

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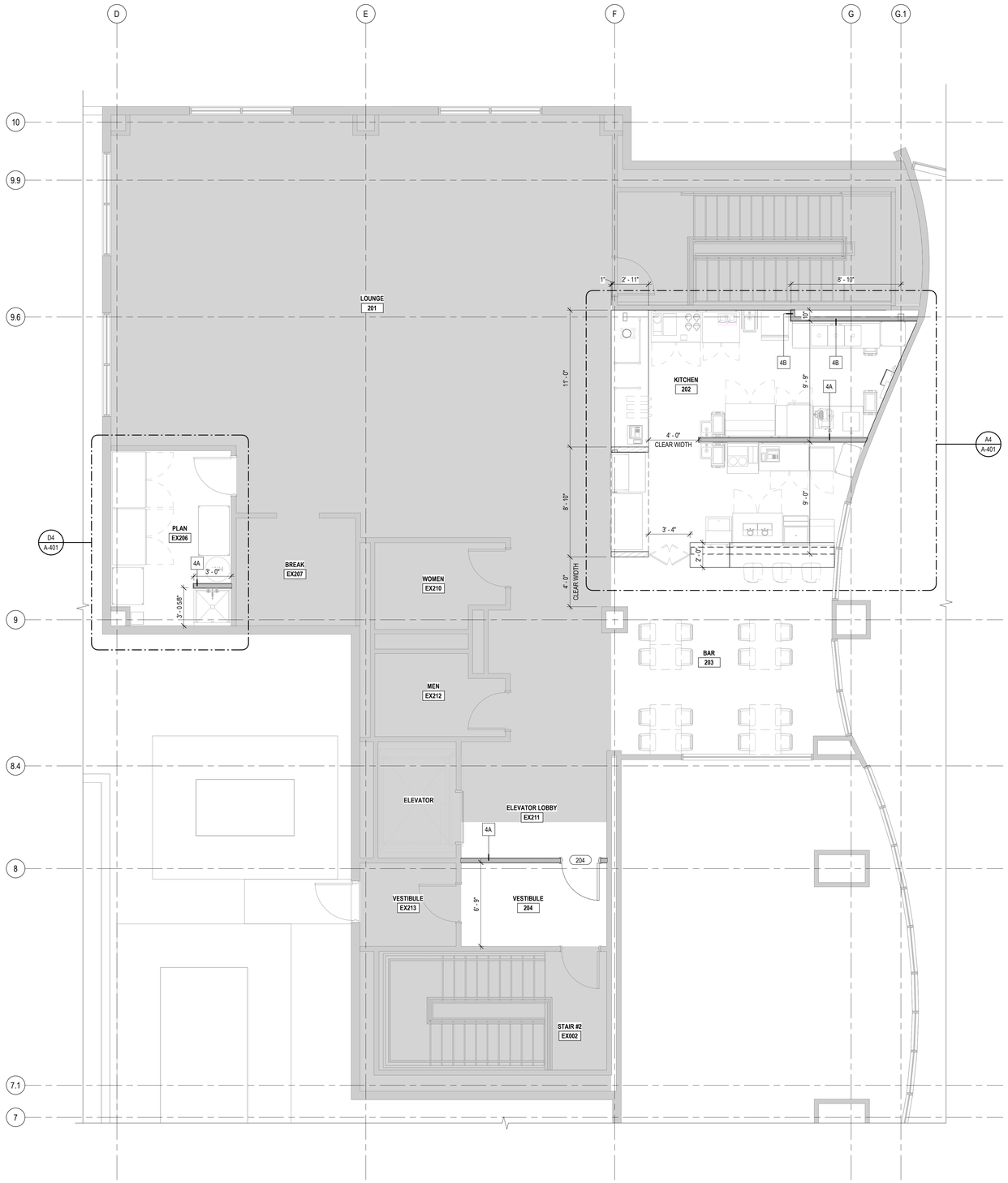
OVERALL SECOND FLOOR PLAN

A-102

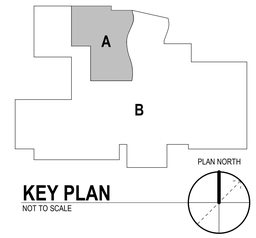
A-102 OVERALL SECOND FLOOR PLAN 12/22/2023 4:35:30 PM Autodesk Docs://jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt

GENERAL SHEET NOTES:

A. ALL DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ALL DISCREPANCIES PRIOR TO STARTING WORK.
B. ALL DIMENSIONS ARE FACE OF MASONRY, POURED CONCRETE, OR FACE OF STUD (WOOD OR METAL, U.N.O.
C. ALL INTERIOR PARTITIONS TO BE **TYPE 4A** UNLESS NOTED OTHERWISE. REFER TO SHEET A-000 FOR PARTITION DETAILS.
D. ALL INTERIOR DOOR FRAMES SHALL BE LOCATED A DISTANCE OF SIX INCHES FROM THROAT RETURN TO THE CLOSEST ADJACENT PERPENDICULAR PARTITION, U.N.O.
E. PROVIDE SOLID BLOCKING/BACKING IN-WALL CAVITIES AT ALL WALL MOUNTED CASEWORK, FIXTURES, EQUIPMENT AND SHELVING. REFER TO TYPICAL PARTITION AND BACK PLATE DETAILS FOR ADDITIONAL INFORMATION.
F. REFER TO MEP AND FIRE PROTECTION DRAWINGS FOR MOUNTING HEIGHTS OF SWITCHES, OUTLETS, ALARMS AND ALL SURFACE MOUNTED COMPONENTS.
G. REFER TO SHEET A-701 FOR DOOR SCHEDULE.
H. REFER TO SHEET A-701 FOR FINISH SCHEDULE AND FLOOR PATTERNS.



A3 SECOND FLOOR AREA PLAN
1/4" = 1'-0"



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE
1/4"=1'-0"
0 2' 4' 8' 12'

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION®
A WOOLPERT COMPANY

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

STATE OF UTAH
ANDREW J. REMSTAD
No. 8845747-0301
12/21/2023
LICENSED ARCHITECT

ANDY J REMSTAD	8845747-0301	12/21/2023
NAME	REG. NO.	DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: RCS	CHECKED: AMA	APPROVED: AJR

PROJECT NUMBER: **10016873.00**

SECOND FLOOR AREA PLAN

A-102A

A-102A SECOND FLOOR AREA PLAN 12/22/2023 4:35:37 PM Autodesk Docs://Jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt



GENERAL SHEET NOTES:

A. IN THE CASE OF MINOR DISCREPANCIES BETWEEN MEP AND ARCHITECTURAL DOCUMENTS IN THE LOCATION OF CEILING MOUNTED COMPONENTS, THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN. NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.

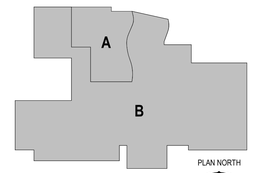
B. REFER TO MEP AND FIRE PROTECTION DRAWINGS FOR DETAILED INFORMATION, LOCATION AND ADDITIONAL INFORMATION.

C. LIGHTS, DIFFUSERS, SPRINKLER HEADS, EXIT SIGNS, SMOKE DETECTORS, SPEAKERS, STROBES AND MISCELLANEOUS DEVICES SHALL BE CENTERED IN THE CEILING TILE IN WHICH THEY OCCUR, U.N.O.

LEGEND:

- GWB CEILING
- 2' x 2' SUSPENDED ACOUSTIC CEILING TILES
- LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
- EMERGENCY / NIGHT LIGHT FIXTURES, REFER TO ELECTRICAL DRAWINGS
- HVAC SUPPLY, RETURN, EXHAUST DIFFUSER. REFER TO MECHANICAL DRAWINGS

A1 OVERALL FIRST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE
1/8"=1'-0"
0 4' 8' 16' 24'

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

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ST. GEORGE REGIONAL AIRPORT

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STATE OF UTAH
ANDREW J. REMSTAD
No. 8845747-0301
12/21/2023
LICENSED ARCHITECT

ANDY J REMSTAD 8845747-0301 12/21/2023
NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

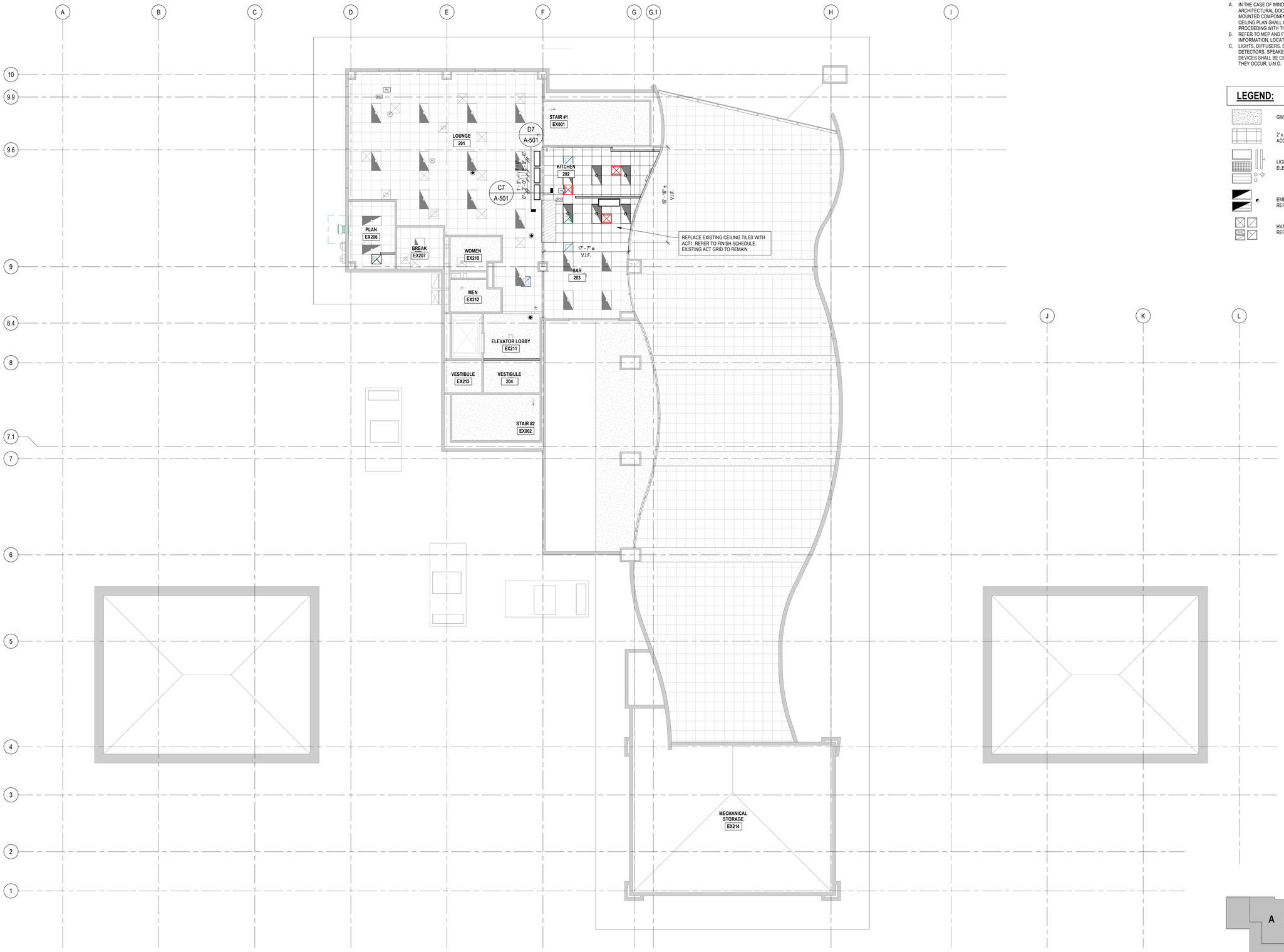
DRAWN: RCS CHECKED: AMA APPROVED: AJR

PROJECT NUMBER: 10016873.00

OVERALL FIRST FLOOR REFLECTED CEILING PLAN

A-111

Autodesk Docs://Jviation - SGU Hub\SGU Terminal Reno_ARCH_R22.rvt
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A-111 OVERALL FIRST FLOOR REFLECTED CEILING PLAN



A1 OVERALL SECOND FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

GENERAL SHEET NOTES:

A. IN THE CASE OF MINOR DISCREPANCIES BETWEEN MEP AND ARCHITECTURAL DOCUMENTS IN THE LOCATION OF CEILING MOUNTED COMPONENTS, THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN. NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
B. REFER TO MEP AND FIRE PROTECTION DRAWINGS FOR DETAILED INFORMATION, LOCATION AND ADDITIONAL INFORMATION.
C. LIGHTS, DIFFUSERS, SPRINKLER HEADS, EXIT SIGNS, SMOKE DETECTORS, SPEAKERS, STROBES AND MISCELLANEOUS DEVICES SHALL BE CENTERED IN THE CEILING TILE IN WHICH THEY OCCUR, U.N.O.

LEGEND:

- GWB CEILING
- 2' x 2' SUSPENDED ACOUSTIC CEILING TILES
- LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
- EMERGENCY / NIGHT LIGHT FIXTURES, REFER TO ELECTRICAL DRAWINGS
- HVAC SUPPLY, RETURN, EXHAUST DIFFUSER. REFER TO MECHANICAL DRAWINGS

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NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

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ANDREW J. REMSTAD
No. 8845747-0301
12/21/2023
LICENSED ARCHITECT

NAME	REG. NO.	DATE
ANDY J REMSTAD	8845747-0301	12/21/2023

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: RCS | CHECKED: AMA | APPROVED: AJR

PROJECT NUMBER: **10016873.00**

OVERALL SECOND FLOOR REFLECTED CEILING PLAN

A-112

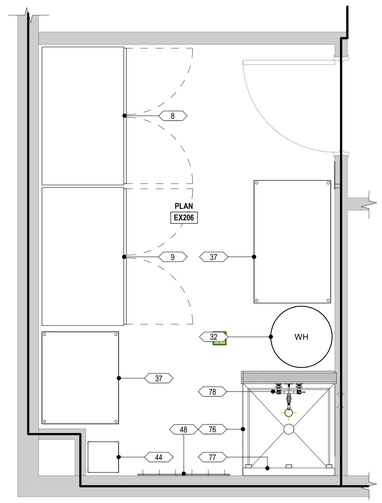
A-112 OVERALL SECOND FLOOR REFLECTED CEILING PLAN
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KITCHEN EQUIPMENT

ITEM NO.	QTY.	ITEM NAME	MANUFACTURER OR EQUAL	MODEL NUMBER	SCHEDULE I CFCI	SCHEDULE II TFCI	SCHEDULE II TFTI	NOTES
1	1	SLIDING GLASS DOOR PEPSI COOLER	RELOCATED	EXISTING F.V.		X		
2	1	GRAB N GO DISPLAY CASE	RELOCATED	EXISTING F.V.		X		
3	2	P.O.S. - CASH REGISTER	VARIES			X		POS DATA LINES - +24" PROVIDE 3 WORKING, PUNCHED DOWN, DATA LINES TO EACH POS AND BACK TO OFFICE LOCATION WHERE OWNER DICTATES
4	1	36" WORK TOP FREEZER	RELOCATED	EXISTING F.V.		X		
5	1	36" WORK TOP REFRIGERATOR	AVANTCO OR EQ.	SS-WT-36R		X		
6	1	48" WORK TOP REFRIGERATOR	AVANTCO OR EQ.	SS-WT-48R		X		
7	1	48" FOOD PREP REFRIGERATOR	AVANTCO OR EQ.	SS-PT-48		X		
8	1	2-DOOR REACH-IN REFRIGERATOR	AVANTCO OR EQ.	A-49R-HC		X		
9	1	2-DOOR REACH-IN FREEZER	AVANTCO OR EQ.	A-49R-HC		X		
11	1	48" DRAFT BEER COOLER	RELOCATED	EXISTING F.V.		X		
12	1	12" STAINLESS STEEL DUMP SINK	BK RESOURCES	UB4-21-1014HSS12-P-G		X		
13	1	48" BAR BACK COOLER W/ CASTERS	TRUE	TBB2448GSD-LD		X		
15	2	HAND SINK W/ SPLASH GUARDS HAND TOWEL ROLL DISPENSER SOAP DISPENSER	REGENCY TORK GOJO	HS-12-SP 309696 H-2557		X		
16	1	ICE MAKER	MANITOWOC	URF-0140A		X		HALF DICE ICE
17	1	HIGH VOLUME WATER FILTER	3M	DP190		X		CONNECT TO 16, 24, 25, 31 #16 TO BE FILTERED W/ SCALE TREATMENT
18	1	COUNTERTOP HIGH-SPEED OVEN	UNOX	XASW-03HS-SDDS		X		ADD SECOND OUTLET FOR FUTURE
19	2	BLENDER	VITAMIX	THE QUIET ONE		X		
20	1	VECTOR FLY LIGHT		WMG 20-1000-0		X		
24	1	COFFEE BREWER	RELOCATED	EXISTING F.V.		X		
25	1	ESPRESSO MACHINE	RELOCATED	EXISTING F.V.		X		
26	1	ESPRESSO GRINDER	RELOCATED	EXISTING F.V.		X		
27	1	MULTI-HOPPER COFFEE GRINDER	RELOCATED	EXISTING F.V.		X		
28	1	SLICER	HOBART	EDGE 13		X		
29	1	3-COMPARTMENT SINK WALL-MOUNT PRE-RINSE FAUCET (3) TWIST WASTE VALVES	ADVANCE TABCO T&S T&S	FC-3-1620-18RL		X		
30	1	48" PREP TABLE W/ SINK, LEFT TWIST WASTE VALVE DECK MOUNT 4" CENTER FAUCET	EAGLE GROUP T&S T&S	5PR-8W12 B-3952		X		
31	1	24" UNDERBAR ICE BIN DOUBLE SS SPEEDRAIL	KROWNE	KR-19-24 RD-24		X		
32	1	HOT WATER HEATER	BY ENGINEER	A.O.SMITH DRE 52	X			LOCATION TO BE BY ENGEINEERING, 24KW IS TYPICAL WITH RECIRC
33	4	TRASH CAN	RUBBERMAID	FG354000		X		
33A	1	UNDERCOUNTER TRASH CAN	RUBBERMAID	2026696		X		
34	1	30"X30" SS TABLE W/ 4" BACKSPLASH & UNDERSHELF	REGENCY OR EQ.	WS-KD SERIES		X		
35	5	STAINLESS STEEL WALL-MOUNTED SHELF	REGENCY OR EQ.	WS-KD SERIES		X		VARYING HEIGHTS AND SIZES; SEE PLANS AND ELEVATIONS
36	5	EPOXY WIRE WALL-MOUNTED SHELF	METRO OR EQ.	EPOXY GREEN		X		VARYING HEIGHTS AND SIZES; SEE PLANS AND ELEVATIONS
37	4	METRO SHELF UNIT	METRO OR EQ.	VARIES		X		CHROME FINISH
39	1	TICKET PRINTER FROM POS				X		DATA TO POS
40	1	KNOCK BOX				X		
41	4	AIRPOT				X		
42	1	GLASSWASHER - LOW TEMP	JACKSON	DELTA 5-E		X		
43	1	MUG FROSTER W/ CASTERS	TURBO AIR	TBC24SB-GF-N6		X		
44	1	6-TIER EMPLOYEE LOCKERS	GLOBAL INDUSTRIAL	T9F292816		X		
45A	4	WALL-MOUNTED (W/ FIN) SS SPLASH GUARD W/ 1" RADIUS OUTSIDE CORNERS			X			18"H X 18"W
45B	1	WALL-MOUNTED (W/ FIN) SS SPLASH GUARD W/ 1" RADIUS OUTSIDE CORNERS			X			36"H X 24"W
46	2	FLOATING GLASS BATHROOM SHELF FINISH: BRUSHED STEEL	SPANCRAFT GLASS			X		38"W X 8"D
47	5	DROP-IN CUP DISPENSER W/ CAGE	SAN JAMAR	C22105M		X		
48	1	WALL-MOUNTED COOK HOOK RACK, 6 HOOKS	SAFCO	4146		X		
70,71	3	42" MONITOR CEILING MOUNTED TV HANGER	INSIGNIA EXPERT MOUNTS	NS-42D510NA15 ITEM# 33CE004		X		MONITOR MENU BOARD DATA LINES IN CEILING AT MONITOR SUPPORT - PROVIDE 1 WORKING, PUNCHED DOWN DATA LINE TO EACH MONITOR SUPPORT
72	1	60" MONITOR CEILING MOUNTED TV HANGER	INSIGNIA EXPERT MOUNTS			X		
76	1	MOP SINK	TERRAZZO WIRE	TRH -363606	X			36"W X36"D
77	1	STAINLESS STEEL UTILITY SHELF MOP HOLDER	BOBRICK	239X34	X			MOUNT AT 64" A.F.F.
78	1	MOP SINK FAUCET	ELKAY	LKB940C	X			
91	1	SELF-CLOSING CAFE GATE, PAIR	ELIASON	PAIR-LWP-CAFE STANDARD		X		ALUMINUM; 38"W X 30" TALL AT 4" A.F.F.
92	2	24"H SNEEZE GUARD				X		
93	1	24"X24" SS CABINET W/ DOOR AND LOCK W/ CASTERS	BK RESOURCES	UBC-2424HL		X		

LEGEND

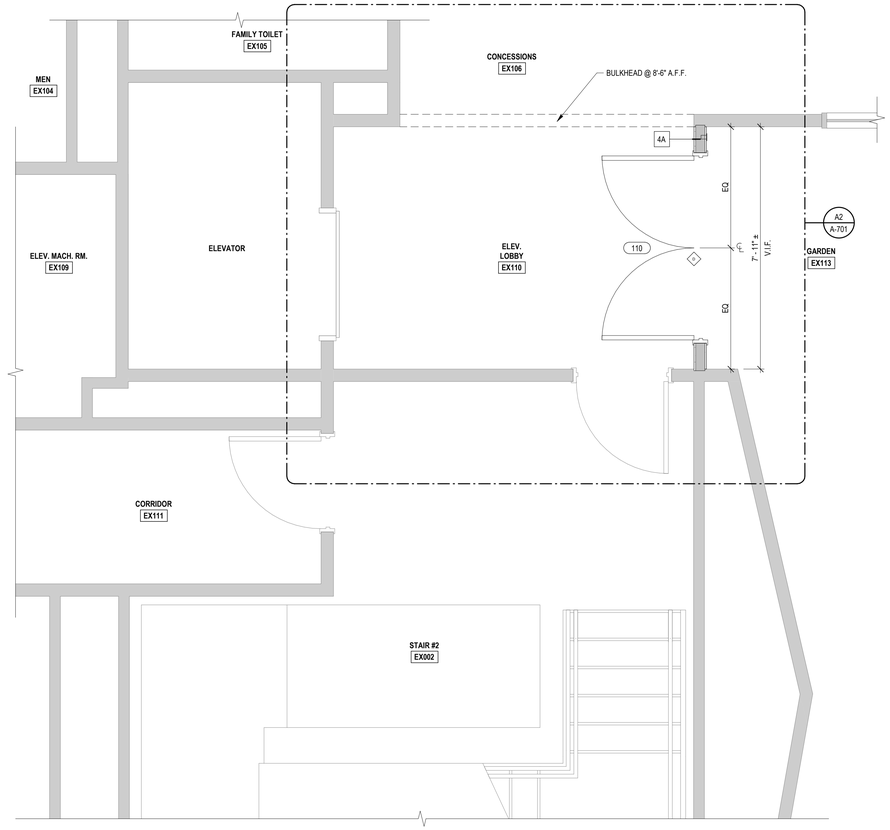
CFCI CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
TFCI TENANT FURNISHED, CONTRACTOR INSTALLED
TFTI TENANT FURNISHED, TENANT INSTALLED



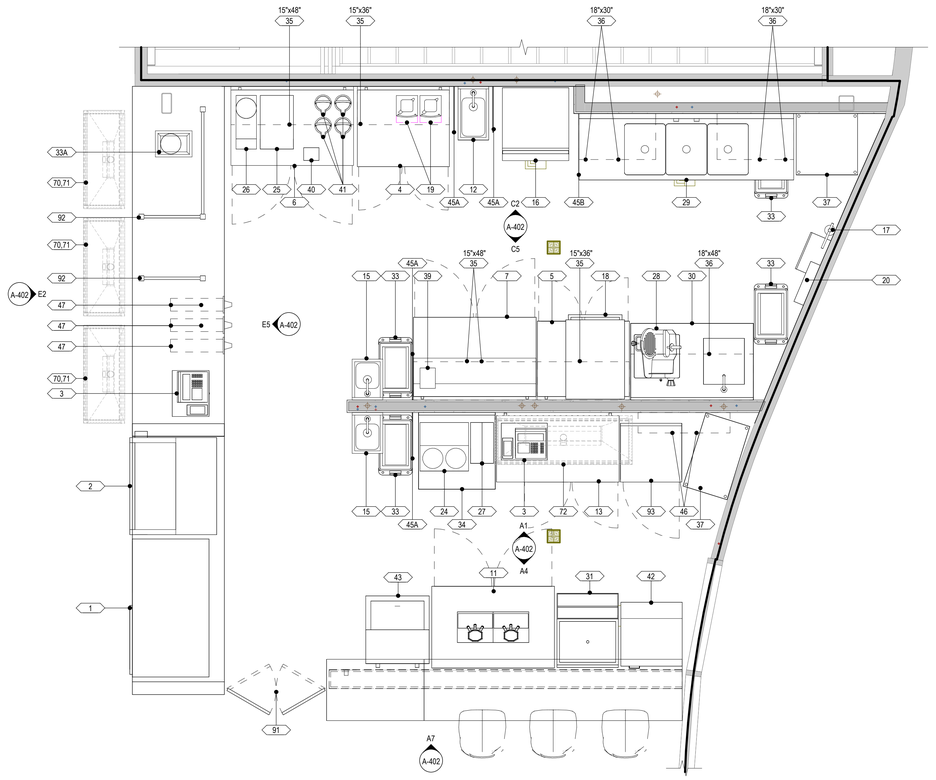
D4 ENLARGED STORAGE PLAN
1/2" = 1'-0"

GENERAL SHEET NOTES:

A. ALL DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ALL DISCREPANCIES PRIOR TO STARTING WORK.
B. ALL DIMENSIONS ARE FACE OF MASONRY, POURED CONCRETE, OR FACE OF STUD (WOOD OR METAL, U.N.O.
C. ALL INTERIOR PARTITIONS TO BE **TYPE 4A** UNLESS NOTED OTHERWISE. REFER TO SHEET A-000 FOR PARTITION DETAILS.
D. ALL INTERIOR DOOR FRAMES SHALL BE LOCATED A DISTANCE OF SIX INCHES FROM THROAT RETURN TO THE CLOSEST ADJACENT PERPENDICULAR PARTITION, U.N.O.
E. PROVIDE SOLID BLOCKING/BACKING IN-WALL CAVITIES AT ALL WALL MOUNTED CASEWORK, FIXTURES, EQUIPMENT AND SHELVING. REFER TO TYPICAL PARTITION AND BACK PLATE DETAILS FOR ADDITIONAL INFORMATION.
F. REFER TO MEP AND FIRE PROTECTION DRAWINGS FOR MOUNTING HEIGHTS OF SWITCHES, OUTLETS, ALARMS AND ALL SURFACE MOUNTED COMPONENTS.
G. REFER TO SHEET A-701 FOR DOOR SCHEDULE.
H. REFER TO SHEET A-701 FOR FINISH SCHEDULE AND FLOOR PATTERNS.



A1 ENLARGED FIRST FLOOR PLAN
1/2" = 1'-0"



A4 ENLARGED KITCHEN PLAN
1/2" = 1'-0"

PLAN NORTH

GRAPHIC SCALE
1/2"=1'-0"
0 6" 1' 2' 3' 4' 5' 6'

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

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4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

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LICENSED ARCHITECT

ANDY J REMSTAD | 8845747-0301 | 12/21/2023
NAME | REG. NO. | DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: RCS | CHECKED: AMA | APPROVED: AJR

PROJECT NUMBER: **10016873.00**

ENLARGED FLOOR PLANS

A-401

A-401 ENLARGED FLOOR PLANS 12/22/2023 4:35:43 PM Autodesk Docs://jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt

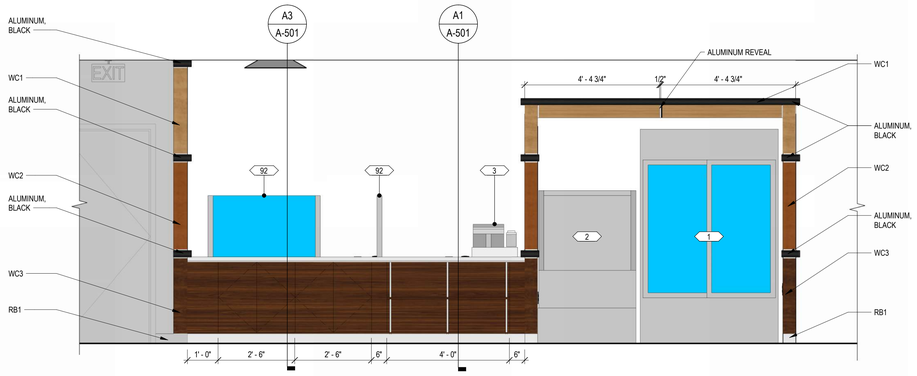
EQUIPMENT LIST

ITEM NO.	ITEM NAME
1	SLIDING GLASS DOOR PEPSI COOLER
2	GRAB N GO DISPLAY CASE
3	P.O.S. - CASH REGISTER
4	36" WORK TOP FREEZER
5	36" WORK TOP REFRIGERATOR
6	48" WORK TOP REFRIGERATOR
7	48" FOOD PREP REFRIGERATOR
8	2-DOOR REACH-IN REFRIGERATOR
9	2-DOOR REACH-IN FREEZER
11	48" DRAFT BEER COOLER
12	12" STAINLESS STEEL DUMP SINK
13	48" BAR BACK COOLER W/ CASTERS
15	HAND SINK W/ SPLASH GUARDS HAND TOWEL ROLL DISPENSER SOAP DISPENSER
16	ICE MAKER
17	HIGH VOLUME WATER FILTER
18	COUNTERTOP HIGH-SPEED OVEN
19	BLENDER
20	VECTOR FLY LIGHT
24	COFFEE BREWER
25	ESPRESSO MACHINE
26	ESPRESSO GRINDER
27	MULTI-HOPPER COFFEE GRINDER
28	SLICER
29	3-COMPARTMENT SINK WALL-MOUNT PRE-RINSE FAUCET (3) TWIST WASTE VALVES
30	48" PREP TABLE W/ SINK, LEFT TWIST WASTE VALVE DECK MOUNT 4" CENTER FAUCET
31	24" UNDERBAR ICE BIN DOUBLE SS SPEEDRAIL
32	HOT WATER HEATER
33	TRASH CAN
33A	UNDERCOUNTER TRASH CAN
34	30"X30" SS TABLE W/ 4" BACKSPLASH & UNDERSHELF
35	STAINLESS STEEL WALL-MOUNTED SHELF
36	EPOXY WIRE WALL-MOUNTED SHELF
37	METRO SHELF UNIT
39	TICKET PRINTER FROM POS
40	KNOCK BOX
41	AIRPOT
42	GLASSWASHER - LOW TEMP
43	MUG FROSTER W/ CASTERS
44	6-TIER EMPLOYEE LOCKERS
45A	WALL-MOUNTED (W/ FIN) SS SPLASH GUARD W/ 1" RADIUS OUTSIDE CORNERS
45B	WALL-MOUNTED (W/ FIN) SS SPLASH GUARD W/ 1" RADIUS OUTSIDE CORNERS
46	FLOATING GLASS BATHROOM SHELF FINISH: BRUSHED STEEL
47	DROP-IN CUP DISPENSER W/ CAGE
48	WALL-MOUNTED COOK HOOK RACK, 6 HOOKS
70,71	42" MONITOR CEILING MOUNTED TV HANGER
72	60" MONITOR CEILING MOUNTED TV HANGER
76	MOP SINK
77	STAINLESS STEEL UTILITY SHELF MOP HOLDER
78	MOP SINK FAUCET
91	SELF-CLOSING CAFE GATE, PAIR
92	24"H SNEEZE GUARD
93	24"X24" SS CABINET W/ DOOR AND LOCK W/ CASTERS

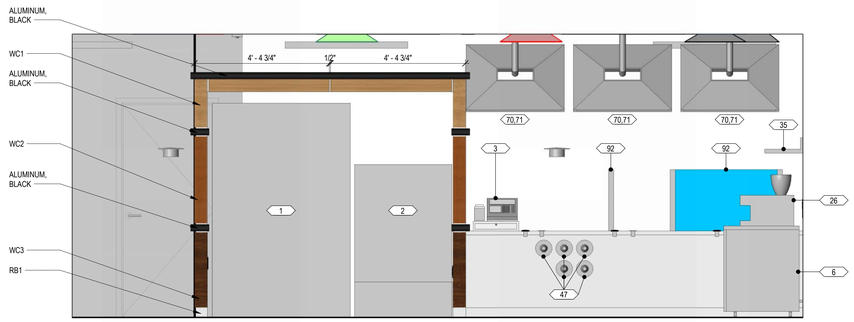
NOTE:
SEE SHEET A-401 FOR FULL KITCHEN EQUIPMENT SCHEDULE.

GENERAL SHEET NOTES:

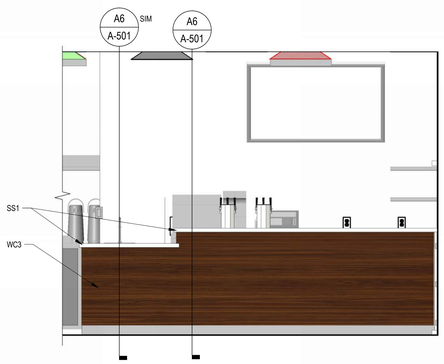
1. SEE FINISH SCHEDULE FOR ALL FINISH MATERIALS NOTED.



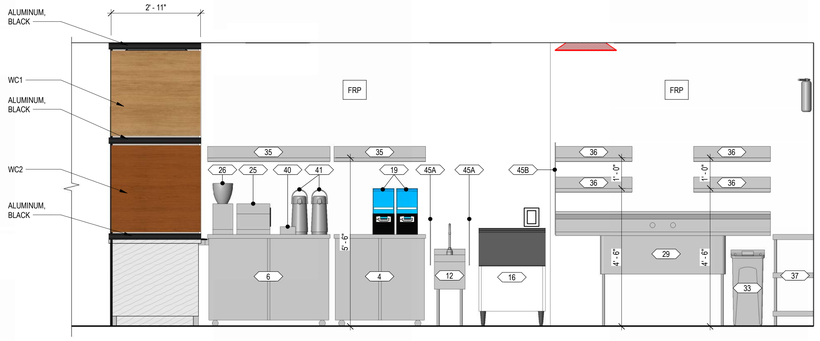
E2 INT. ELEV. - COUNTER - SERVICE SIDE
1/2" = 1'-0"



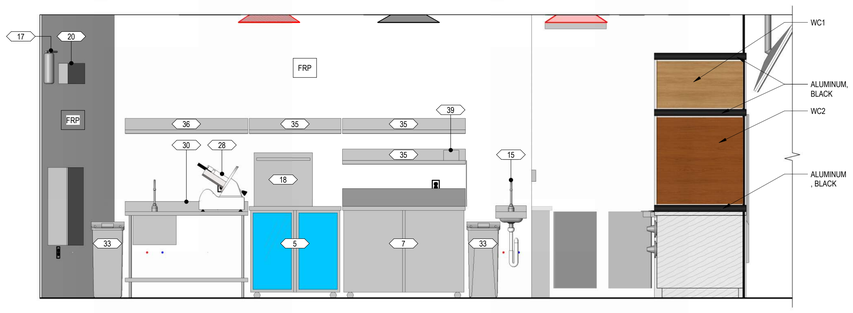
E5 INT. ELEV. - COUNTER - EMPLOYEE SIDE
1/2" = 1'-0"



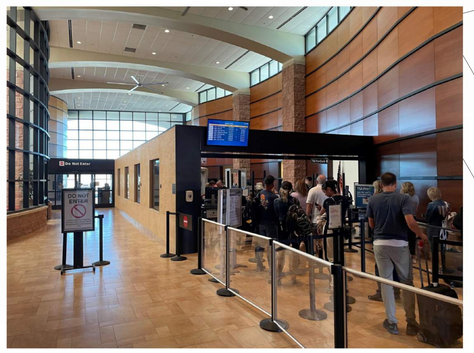
A7 INT. ELEV. - BAR - SERVICE SIDE
1/2" = 1'-0"

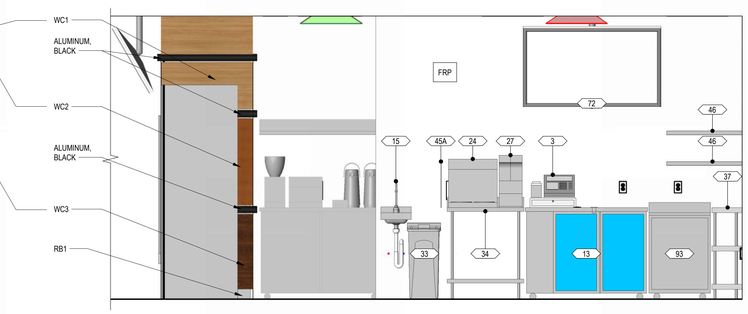


C2 INT. ELEV. - KITCHEN - NORTH
1/2" = 1'-0"

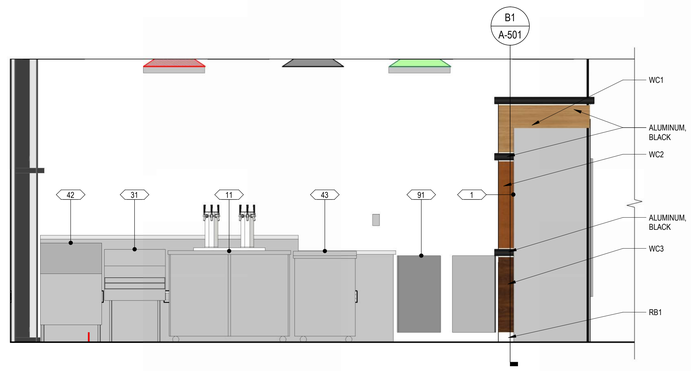


C5 INT. ELEV. - KITCHEN - SOUTH
1/2" = 1'-0"





A1 INT. ELEV. - BAR - NORTH
1/2" = 1'-0"



A4 INT. ELEV. - BAR - SOUTH
1/2" = 1'-0"

GRAPHIC SCALE
1/2"=1'-0" 0 6" 1' 2' 3' 4' 5' 6'

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

TERMINAL RENOVATION
4550 S AIRPORT PKWY
ST. GEORGE, UTAH 84790
A PROJECT FOR:
ST. GEORGE REGIONAL AIRPORT

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	AJR	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

STATE OF UTAH
ANDREW J REMSTAD
No. 8845747-0301
12/21/2023
LICENSED ARCHITECT

ANDY J REMSTAD 8845747-0301 12/21/2023
NAME REG. NO. DATE
FOR AND ON BEHALF OF JVIATION, INC.

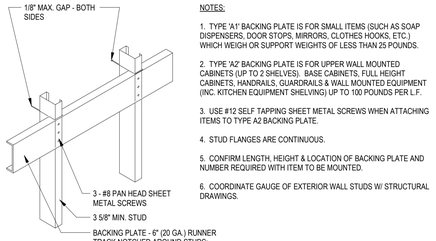
DRAWN: RCS | CHECKED: AMA | APPROVED: AJR

PROJECT NUMBER: **10016873.00**

INTERIOR ELEVATIONS

A-402

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A-402 INTERIOR ELEVATIONS



NOTES:

1. TYPE 'A1' BACKING PLATE IS FOR SMALL ITEMS (SUCH AS SOAP DISPENSERS, DOOR STOPS, MIRRORS, CLOTHES HOOKS, ETC.) WHICH WEIGH OR SUPPORT WEIGHTS OF LESS THAN 25 POUNDS.

2. TYPE 'A2' BACKING PLATE IS FOR UPPER WALL MOUNTED CABINETS (UP TO 2 SHELVES). BASE CABINETS, FULL HEIGHT CABINETS, HANDRAILS, GUARDRAILS & WALL MOUNTED EQUIPMENT (INC. KITCHEN EQUIPMENT SHELVING) UP TO 100 POUNDS PER L.F.

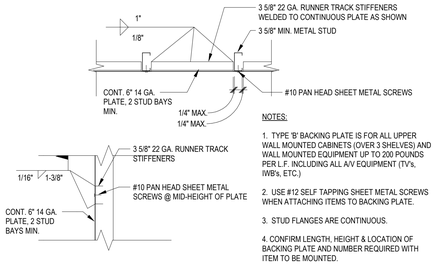
3. USE #12 SELF TAPPING SHEET METAL SCREWS WHEN ATTACHING ITEMS TO TYPE A2 BACKING PLATE.

4. STUD FLANGES ARE CONTINUOUS.

5. CONFIRM LENGTH, HEIGHT & LOCATION OF BACKING PLATE AND NUMBER REQUIRED WITH ITEM TO BE MOUNTED.

6. COORDINATE GAUGE OF EXTERIOR WALL STUDS W/ STRUCTURAL DRAWINGS.

E1 BACKING PLATES - TYPES 'A1' & 'A2'
1" = 1'-0"



NOTES:

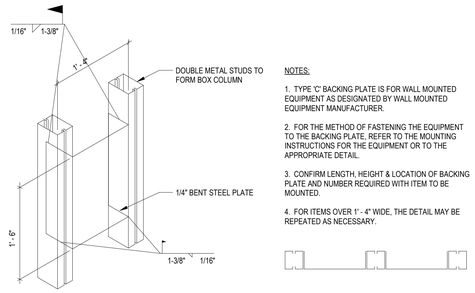
1. TYPE 'B' BACKING PLATE IS FOR ALL UPPER WALL MOUNTED CABINETS (OVER 3 SHELVES) AND WALL MOUNTED EQUIPMENT UP TO 200 POUNDS PER L.F. INCLUDING ALL A/V EQUIPMENT (TV's, IWB's, ETC.)

2. USE #12 SELF TAPPING SHEET METAL SCREWS WHEN ATTACHING ITEMS TO BACKING PLATE.

3. STUD FLANGES ARE CONTINUOUS.

4. CONFIRM LENGTH, HEIGHT & LOCATION OF BACKING PLATE AND NUMBER REQUIRED WITH ITEM TO BE MOUNTED.

E3 BACKING PLATE - TYPE 'B'
1" = 1'-0"



NOTES:

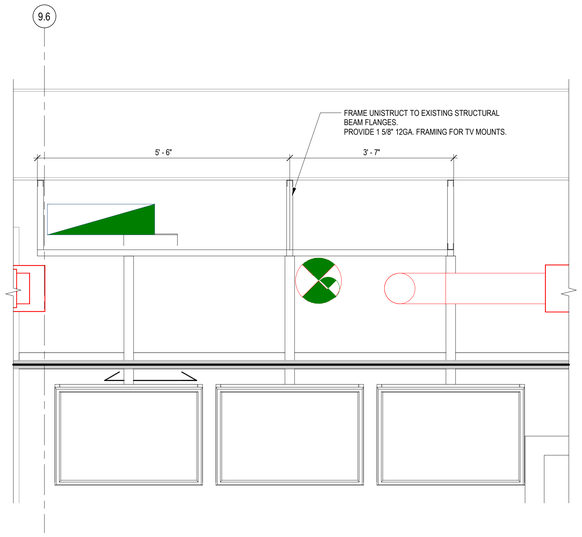
1. TYPE 'C' BACKING PLATE IS FOR WALL MOUNTED EQUIPMENT AS DESIGNATED BY WALL MOUNTED EQUIPMENT MANUFACTURER.

2. FOR THE METHOD OF FASTENING THE EQUIPMENT TO THE BACKING PLATE, REFER TO THE MOUNTING INSTRUCTIONS FOR THE EQUIPMENT OR TO THE APPROPRIATE DETAIL.

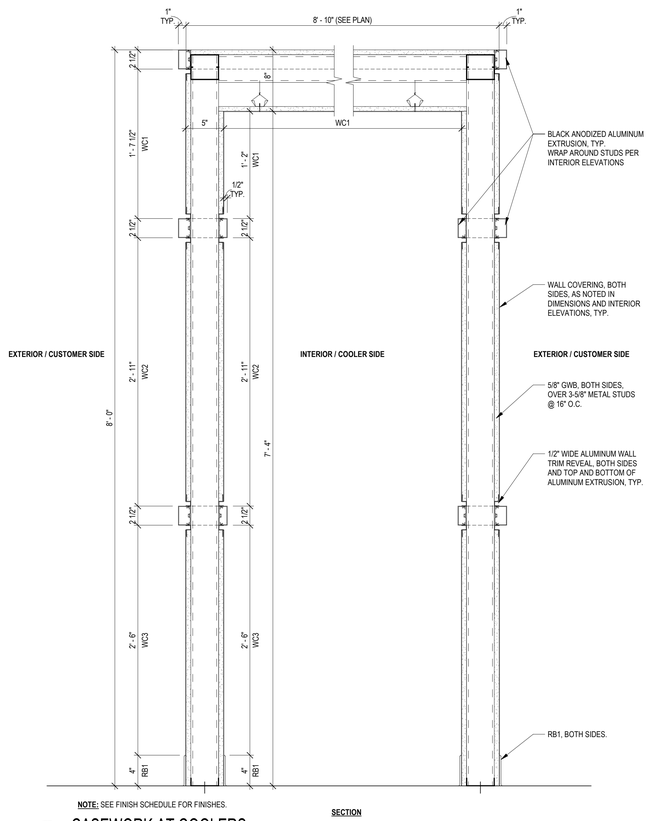
3. CONFIRM LENGTH, HEIGHT & LOCATION OF BACKING PLATE AND NUMBER REQUIRED WITH ITEM TO BE MOUNTED.

4. FOR ITEMS OVER 1'-4" WIDE, THE DETAIL MAY BE REPEATED AS NECESSARY.

E4 BACKING PLATE - TYPE 'C'
1" = 1'-0"

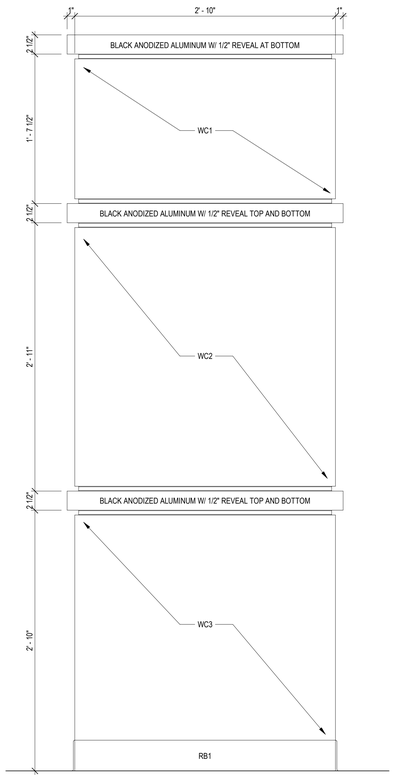


D7 TV MOUNT SECTION DETAIL
3/4" = 1'-0"

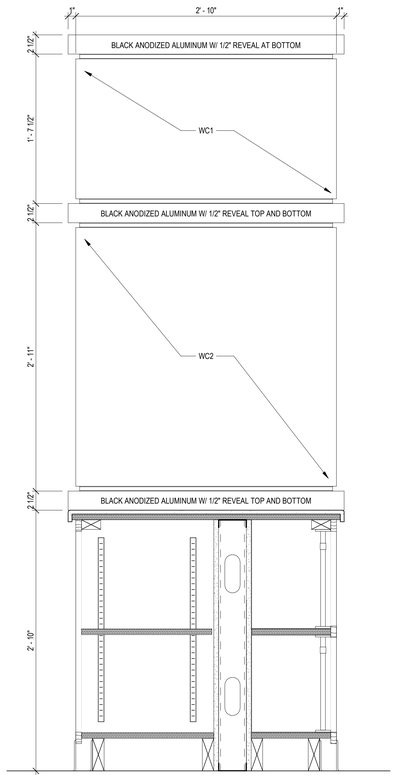


NOTE: SEE FINISH SCHEDULE FOR FINISHES.

SECTION



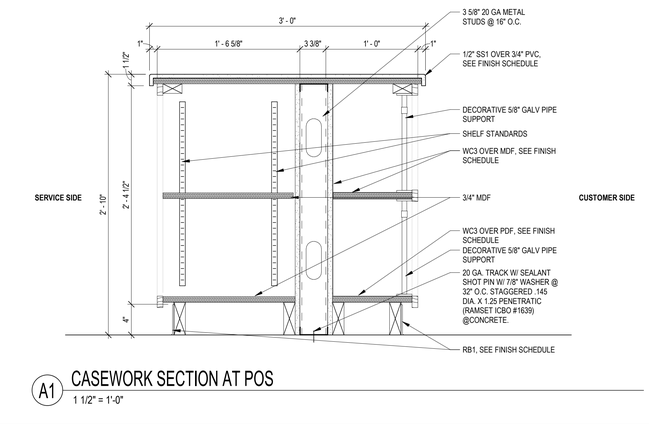
ELEVATION @ SOUTH END



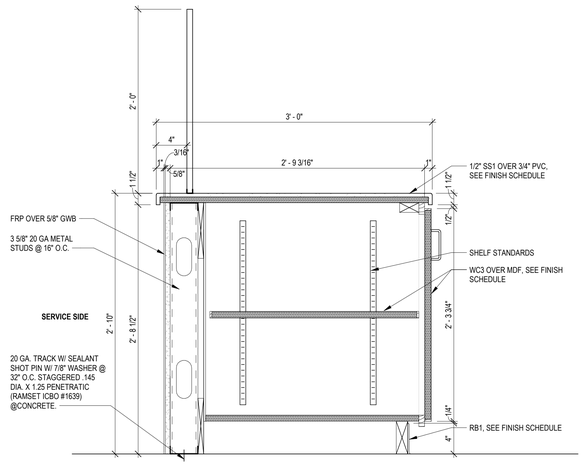
ELEVATION @ SOUTH END

B1 CASEWORK AT COOLERS
1 1/2" = 1'-0"

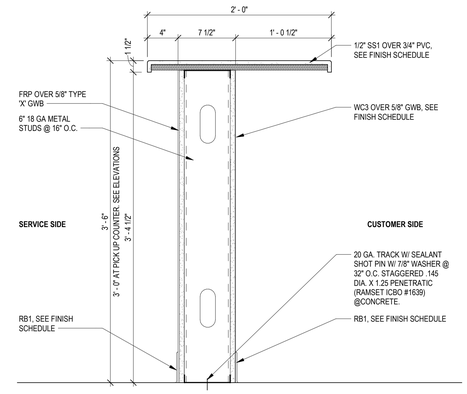
C7 TV MOUNT SECTION DETAIL
3/4" = 1'-0"



A1 CASEWORK SECTION AT POS
1 1/2" = 1'-0"



A3 CASEWORK SECTION AT CONDIMENT COUNTER
1 1/2" = 1'-0"



A6 BAR SECTION
1 1/2" = 1'-0"

GRAPHIC SCALE

3/4"=1'-0" | 1"=1'-0" | 1 1/2"=1'-0"

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ANDY J REMSTAD | 8845747-0301 | 12/21/2023
NAME | REG. NO. | DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: Author | CHECKED: C. Checker | APPROVED: A. Approver

PROJECT NUMBER: **10016873.00**

CASEWORK AND MISCELLANEOUS DETAILS

A-501

A-501 CASEWORK AND MISCELLANEOUS DETAILS.rvt Autodesk Docs://jviation - SGU Hub/SGU Terminal Reno_ARCH_R22.rvt 12/21/2023 4:35:51 PM

FINISH LEGEND

TAG	MATERIAL	MANUFACTURER	STYLE / TYPE	COLOR / FINISH	SIZE	INSTALLATION
ACT1	ACOUSTIC CEILING TILE	ARMSTRONG	CALLA HEALTH ZONE 2232 / 9/16" SQUARE TEGULAR	WHITE	24"W X 24"L X 1"D	
FRP	FIBERGLASS REINFORCED PLASTIC PANELS	CRANE COMPOSITES	GLASBORD WALL PANELS / PEBBLED EMBOSSED TEXTURE	WHITE, 85, SURFASEAL	48"W X 10'-0"H X .05"D	
PNT1	WALL PAINT	SHERWIN WILLIAMS	COLOR MATCH EXISTING	SEMI-GLOSS	-	
PNT2	DOOR AND FRAME PAINT	SHERWIN WILLIAMS	COLOR MATCH EXISTING	SEMI-GLOSS	-	
RB1	RESILIENT WALL BASE	TARKETT/JOHNSONITE	-	SANDALWOOD #45	4"H	
SC1	SEALED CONCRETE	-	-	-	-	SEAL EXISTING CONCRETE
SS1	SOLID SURFACE COUNTERTOP	ARISTECH SURFACES	STUDIO COLLECTION	COPPER CANYON #8570	1/2" THICK	
SSB1	STAINLESS STEEL WALL BASE	CRANE COMPOSITES	SANI-BASE	-	-	
TS1	TRANSITION STRIP - TILE TO CARPET	ASSA ABLOY	PEMKO HALF SADDLE / OFFSET SADDLE THRESHOLD	DARK BRONZE ANODIZED ALUMINUM	V.I.F.	CONFIRM MODEL TYPE NEEDED IN FIELD
TS2	TRANSITION STRIP - TILE TO TILE	ASSA ABLOY	PEMKO SADDLE THRESHOLD	DARK BRONZE ANODIZED ALUMINUM	V.I.F.	CONFIRM MODEL TYPE NEEDED IN FIELD
TS3	TRANSITION STRIP - CARPET TO CONCRETE	SCHLUTER	RENO-U	STAINLESS STEEL	-	CONFIRM HEIGHT WITH EXISTING CARPET
WB1	WALLBASE - TILE		MATCH EXISTING @ EXISTING WALLS			
WC1	WALL COVERING	CONSTRUCTION SPECIALTIES	ACROVYN WALL COVERING	WOODGRAIN 1609 WHITE PAPYRUS	.06" THICK	
WC2	WALL COVERING	CONSTRUCTION SPECIALTIES	ACROVYN WALL COVERING	WOODGRAIN 373 AMBER CHERRY	.06" THICK	
WC3	WALL COVERING	CONSTRUCTION SPECIALTIES	ACROVYN WALL COVERING	WOODGRAIN 1611 WARM BEIGE PAPYRUS	.06" THICK	

DOOR SCHEDULE

DOOR NO.	DOOR TYPE	DOOR SIZE WIDTH	SIZE HEIGHT	SIZE THICKNESS	DOOR MATERIAL	DOOR FINISH	DOOR UNDER CUT	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	RATING STC	RATING FIRE	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	HARDWARE NO.	DOOR NOTES
110	D2	6' - 0"	7' - 0"	0' - 1 3/4"	HM	PNT2		F1	HM	PNT2	-	-	C1 / A-701	C2 /A-701	-	1	MATCH ADJACENT METAL DOOR COLOR
204	D1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	STN	3/4"	F1	HM	PNT2	-	-	C1 / A-701	C2 /A-701	-	2	MATCH ADJACENT WOOD DOOR STAIN

FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL MATERIAL	WALL FINISH	CEILING MATERIAL	CEILING FINISH	NOTES
201	LOUNGE	EXIST	EXIST	GWB / EXIST	PNT1 / EXIST	EXIST	EXIST	
202	KITCHEN	SC1	SSB1	GWB / EXIST	FRP	ACT1	-	1, 2
203	BAR	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
204	VESTIBULE	EXIST	WB1 / EXIST	GWB / EXIST	PNT1 / EXIST	EXIST	EXIST	
EX001	STAIR #1	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX002	STAIR #2	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX205	PLAN	SC1	EXIST	EXIST	FRP	EXIST	EXIST	1
EX207	BREAK	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX210	WOMEN	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX211	ELEVATOR LOBBY	EXIST	WB1 / EXIST	GWB / EXIST	PNT1 / EXIST	EXIST	EXIST	
EX212	MEN	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX213	VESTIBULE	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
EX214	MECHANICAL STORAGE	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	

FINISH SCHEDULE NOTES

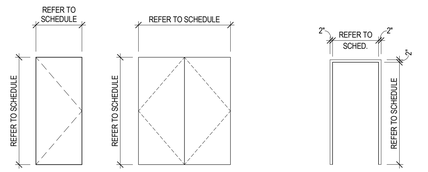
1. EXISTING FLOOR FINISH TO BE REMOVED. SEAL EXISTING CONCRETE.
2. EXISTING CEILING TILES ABOVE KITCHEN AREA TO BE REMOVED AND REPLACED WITH TILE TYPE LISTED. THE CEILING GRID IS EXISTING TO REMAIN.

HARDWARE SCHEDULE

HW. GROUP	DOORS		
HW 1	110		
6	HINGES	BB31 4 1/2 X 4 1/2 US26D	CR
2	POWER TRANSFER	CRPT-10 AL	CR
2	CLOSER	CR441xCR3077SPAS AL	CR
2	EXIT DEVICE	3547A EL RX LD EO 315 3'	VD
2	PULL HANDLE	392-6	IV
2	TRIM	ICCVRESC05 US26D	CR
1	POWER SUPPLY	CRPS2	CR
ACCESS CONTROL BY SECURITY CONTRACTOR			
HW 2	204		
3	HINGES	BB31 4 ½ x 4 ½ US26D	CR
1	CLOSER	CR441 ALM	CR
1	STOREROOM LOCK	CGN05 US26D	CR
1	STOP	575 630	BR
1	KICKPLATE	KP50 10 x 34 630	BR
3	SILENCERS	500	BR
ACCESS CONTROL BY SECURITY CONTRACTOR			

MANUFACTURERS IN HARDWARE SET FOR BASIS OF DESIGN

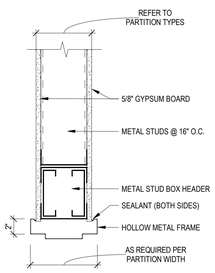
BR	BURNS
CR	CAL-ROYAL
IV	IVES
VD	VON DUPRIN



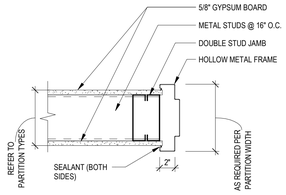
D1 D2 F1

DOOR TYPES
1/4" = 1'-0"

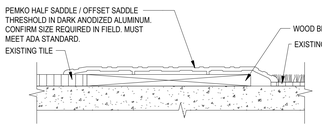
DOOR FRAME
1/4" = 1'-0"



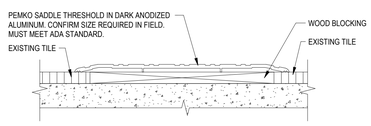
C1 DOOR HEAD DETAIL
1 1/2" = 1'-0"



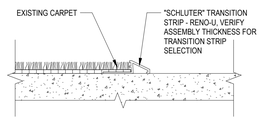
C2 DOOR JAMB DETAIL
1 1/2" = 1'-0"



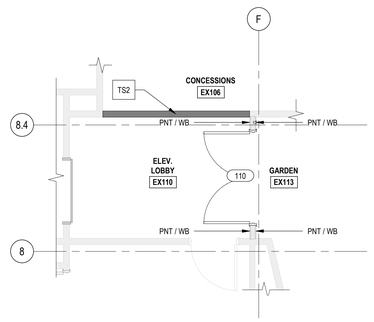
B1 TILE TO CARPET TRANSITION (TS1)
6" = 1'-0"



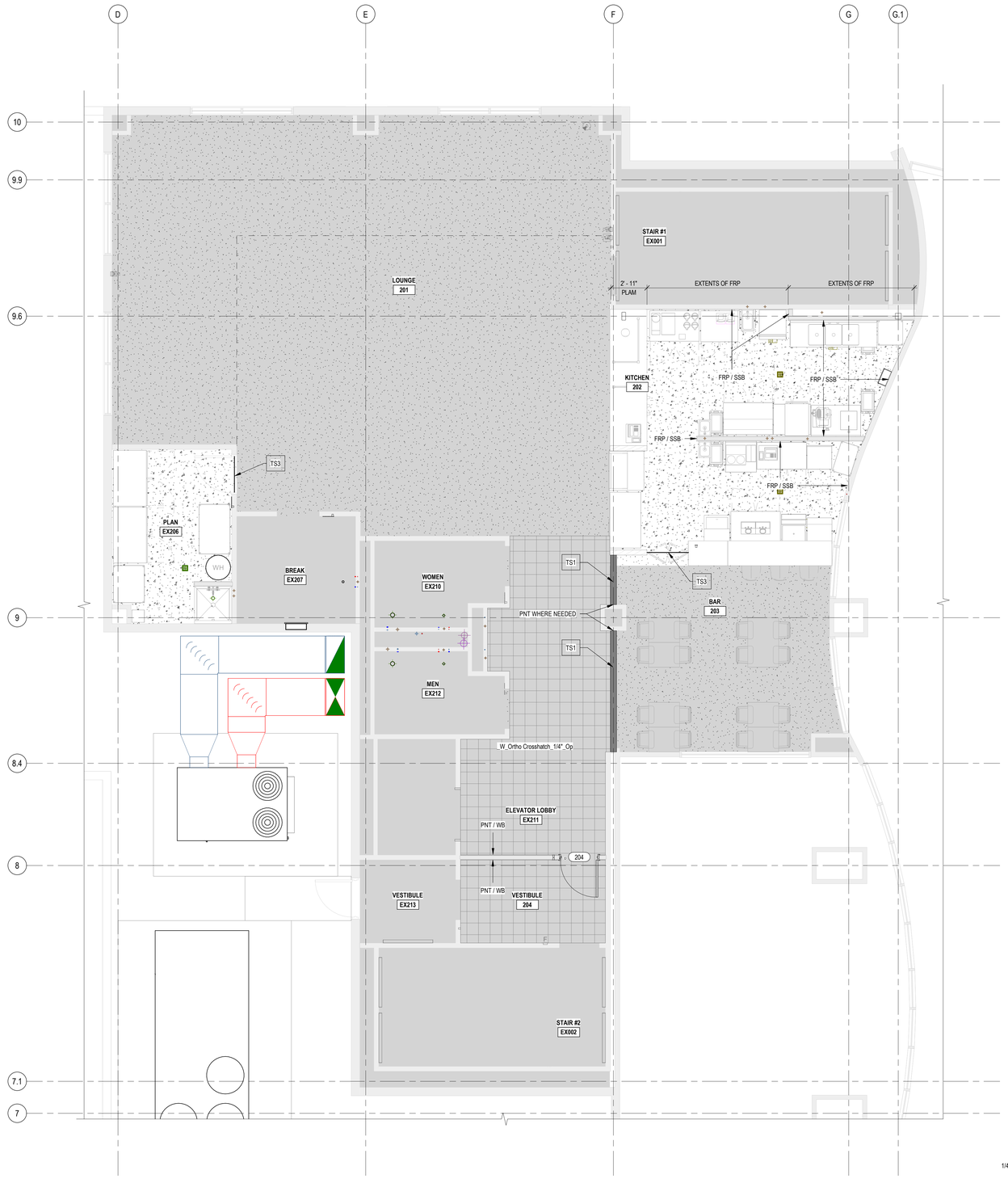
B2 TILE TO TILE TRANSITION (TS2)
6" = 1'-0"



A1 CARPET TO CONCRETE TRANSITION (TS3)
6" = 1'-0"



A2 FIRST FLOOR FINISH PLAN
1/4" = 1'-0"



A4 SECOND FLOOR FINISH PLAN
1/4" = 1'-0"

GENERAL SHEET NOTES:

A. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.
B. ALL EXISTING MATERIALS TO REMAIN WHICH ARE DAMAGED OR OTHERWISE DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE PATCHED AND REPAIRED TO MATCH EXISTING ADJACENT MATERIALS SO THAT REPAIR IS IMPERCEPTIBLE.
C. ON ALL ARCHITECTURAL SHEETS, ALL MATERIALS NOTED ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING. ALL MATERIALS NOTED AS EXISTING SHALL REMAIN UNLESS SPECIFICALLY NOTED TO BE REMOVED. SEE DEMOLITION AND NEW WORK NOTES FOR SPECIFIC NOTES.
D. ALL FLOOR FINISH TRANSITIONS SHALL BE CONCEALED BY A CLOSED DOOR.
E. HATCH PATTERNS ON FINISH PLANS ARE REPRESENTATIONAL ONLY TO DISTINGUISH COLOR CHANGES, UNLESS OTHERWISE NOTED.
F. ALL FLOORS ON EITHER SIDE OF A DOORWAY OR OPENING SHALL BE LEVEL AND HAVE MAXIMUM ELEVATION DIFFERENCE OR THRESHOLD HEIGHT OF 1/2".
G. DOOR OPENINGS NOT LOCATED BY DIMENSION SHALL BE 4" FROM THE FACE OF STUD TO FACE OF STUD OF DOOR FRAME JAMB UNLESS NOTED OTHERWISE.
H. DOOR SIZES, STYLES, AND SPECIFICATIONS, ROUGH OPENING SIZES AND EXACT LOCATIONS TO BE CHECKED AND VERIFIED BY THE CONTRACTOR BEFORE ORDERING AND BEFORE CONSTRUCTION BEGINS.

LEGEND:

- EXISTING CARPET
- EXISTNG TILE
- SC1 (EXISTING CONCRETE TO BE SEALED)

PLAN NORTH

GRAPHIC SCALE

1/4"=1'-0" 0 2' 4' 8' 12'
1 1/2"=1'-0" 0 3" 6" 9" 1' 2'
6"=1'-0" 0 1" 2" 3" 6"

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NAME REG. NO. DATE
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DRAWN: RCS | CHECKED: AMA | APPROVED: AJR

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FINISH PLAN & SCHEDULE, DOOR SCHEDULE & DETAILS

A-701

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A-701 FINISH PLAN & SCHEDULE, DOOR SCHEDULE & DETAILS

GENERAL MECHANICAL SYMBOLS

- REVISION NUMBER - SHOWN ON PLANS
- POINT WHERE NEW CONNECTS TO EXISTING
- POINT WHERE EXISTING IS TO BE DEMOLISHED
- NUMBER OF DETAIL ON SHEET
- NUMBER OF SHEET WHERE DETAIL APPEARS
- KEYNOTE
- CONTINUATION SYMBOL
- ROOM NAME AND NUMBER (Room 10)
- ITEM TO BE DEMOLISHED
- AREA NOT IN CONTRACT
- 2" — PIPE SIZE TAG (DIAMETER)
- ABOVE GROUND PIPING
- PIPE SLOPE TAG (2" VTR)
- BELOW GROUND PIPING
- INVERT: -105' - 1" — PIPE INVERT ELEVATION TAG
- (E) — EXISTING PIPE TAG
- PIPING BEING DEMOLISHED

ABBREVIATIONS

Ø	ROUND	LVR	LOUVER
ABV	ABOVE	LWT	LEAVING WATER TEMPERATURE
AC	AIR CONDITIONING	M/A	MIXED AIR
AD	AREA DRAIN	MAX	MAXIMUM
ADD	ADDENDUM	MBH	ONE THOUSAND BTU PER HOUR
AFF	ABOVE FINISHED FLOOR	MCF	ONE THOUSAND CUBIC FEET
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MD	MOTORIZED DAMPER
ALT	ALTERNATE	MECH	MECHANICAL
AP	ACCESS PANEL	MFR	MANUFACTURER
ARCH	ARCHITECT/ARCHITECTURAL	MIN	MINIMUM
BFF	BELOW FINISHED FLOOR	MISC	MISCELLANEOUS
BLW	BELOW	MTR	MOTOR
BTU	BRITISH THERMAL UNITS	MU/A	MAKE-UP/AIR
BTUH	BRITISH THERMAL UNITS PER HOUR	NC	NOISE CRITERIA
CAP	CAPACITY	NC	NORMALLY CLOSED
CB	CATCH BASIN	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NUMBER
CLG	CEILING	NO	NORMALLY OPEN
CO	CLEAN OUT	NTS	NOT TO SCALE
CW	COLD WATER	O	OXYGEN
D	DEGREE	O/A	OUTSIDE AIR
DB	DRY BULB	ORD	OVERFLOW ROOF DRAIN
DIA	DIAMETER	PD	PRESSURE DROP
DN	DOWN	PIV	POST INDICATOR VALVE
DW	DISTILLED WATER	PLBG	PLUMBING
EA	EACH	PRESS	PRESSURE
EAT	ENTERING AIR TEMPERATURE	PRV	PRESSURE REDUCING VALVE
ELEC	ELECTRICAL	PSI	POUNDS PER SQUARE INCH
EQUIP	EQUIPMENT	PSIG	POUNDS PER SQUARE INCH GAUGE
EWC	ELECTRIC WATER COOLER	PWR	POWER
EWT	ENTERING WATER TEMPERATURE	R	DUCT RISER
E/A	EXHAUST AIR	R/A	RETURN AIR
EXIST	EXISTING	RCP	RADIANT CEILING PANEL
F	DEGREES FAHRENHEIT	RD	ROOF DRAIN
FCO	FLOOR CLEAN OUT	REC	RECESSED
FD	FLOOR DRAIN	RED	REDUCER
FD	FIRE DAMPER	RH	RELATIVE HUMIDITY
FDV	FIRE DEPARTMENT VALVE	RL/A	RELIEF AIR
FL	FLOOR	RM	ROOM
FO	FUEL OIL	RPM	REVOLUTIONS PER MINUTE
FOV	FUEL OIL VENT	RW	RAIN WATER
FOR	FUEL OIL RETURN	SF	SQUARE FOOT
FOS	FUEL OIL SUPPLY	S/A	SUPPLY AIR
FPM	FEET PER MINUTE	SAN	SANITARY
FS	FLOOR SINK	SF	SQUARE FOOT
FT	FOOT/FEET	SD	SMOKE DAMPER
FTR	FIN TUBE RADIATION	SM	SURFACE MOUNT
GAL	GALLON	SP	STAND/PIPE
GC	GENERAL CONTRACTOR	SP	STATIC PRESSURE
GPM	GALLONS PER MINUTE	STM	STEAM
GW	GREASE WASTE	T	THERMOSTAT
HB	HOSE BIB	TD	TEMPERATURE DROP
HP	HORSE POWER	TDR	TRENCH DRAIN
HTG	HEATING	TEMP	TEMPERATURE
HTR	HEATER	TYP	TYPICAL
HW	HOT WATER	UG	UNDERGROUND
HYD	HYDRANT	VAC	VACUUM
ID	INDIRECT	V	VENT
IN	INCH	VAV	VARIABLE AIR VOLUME
INV	INVERT	VENT	VENTILATION
LB	POUND	VTR	VENT THROUGH ROOF
LB/HR	POUNDS PER HOUR	W	WASTE
LAT	LEAVING AIR TEMPERATURE	WB	WET BULB
LP	LOW PRESSURE	WCO	WALL CLEAN OUT
LPG	LIQUEFIED PETROLEUM GAS	WH	WALL HYDRANT

PLUMBING AND PIPING SYMBOLS

CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CD	CONDENSATE DRAINAGE
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
GWR	GEOTHERMAL WATER RETURN
GWS	GEOTHERMAL WATER SUPPLY
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
NG	NATURAL GAS
PG	PROPANE GAS
REF-L	REFRIGERANT-LIQUID
REF-S	REFRIGERANT-SUCTION
REF-HG	REFRIGERANT-HOT GAS
STM	STEAM
CDR	CONDENSATE RETURN
CWV	COMBINATION WASTE & VENT
CA	COMPRESSED AIR
DCW	DOMESTIC COLD WATER
NPCW	NON-POTABLE COLD WATER
S-CW	SOFT COLD WATER
F-CW	FILTERED COLD WATER
RO	REVERSE OSMOSIS WATER
DHW	HOT WATER
DHW 140°	HOT WATER 140°
DHW-R	HOT WATER RECIRCULATION
DHW-R 140°	HOT WATER RECIRCULATION 140°
NPHW	NON-POTABLE HOT WATER
GV	GREASE VENT
GW	GREASE WASTE
IW	INDIRECT WASTE
OV	OIL VENT
OW	OIL WASTE
PD	PUMP DISCHARGE
-V-	SANITARY VENT
W	SANITARY WASTE
SHWR	SOLAR HOT WATER RETURN
SHWS	SOLAR HOT WATER SUPPLY
RD	ROOF DRAINAGE
RDO	ROOF DRAIN OVERFLOW
CO2	CARBON DIOXIDE
HE	HELIUM
IA	INSTRUMENT AIR
MA	MEDICAL AIR
MV	MEDICAL VACUUM
N2	NITROGEN
N2O	NITROUS OXIDE
O2	OXYGEN
WAGD	WASTE ANESTHESIA GAS DISPOSAL



PIPE ACCESSORY TAGS

- 2" DOM. WM — DOMESTIC WATER METER
- 2" BALANCING — BALANCING VALVE
- 2" SHUTOFF — 1/4 TURN BALL VALVE
- 2" CHECK — CHECK VALVE
- 2" TMV — 3-WAY MIXING VALVE
- 2" M-CNTRL — MOTORIZED CONTROL VALVE
- 2" 3-WAY CNTRL — 3 WAY MOTORIZED CONTROL VALVE
- 2" PRV — PRESSURE REDUCING VALVE
- 3/8" SOLENOID — REFRIGERANT SOLENOID VALVE
- 2" BUTTERFLY — BUTTERFLY VALVE

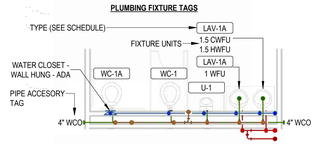
DRAIN TAGS

FLOOR DRAIN	4" FD-1	TYPE (SEE SCHEDULE)	4" AD-6	AREA DRAIN
FLOOR DRAIN	4" FD-3P	"P" - INDICATES PRIMER CONNECTION	4" DD-29	DECK DRAIN
FLOOR SINK	4" FS-4		4" RD-12	FLOW CONTROL DRAIN
HUB DRAIN	4" FD-13	8 WFU — FIXTURE UNITS	4" RD-15	ROOF DRAIN
ROOF AREA SERVED BY DRAIN		4000 SF	6" RD-1	COMBINATION DRAINS

DRAIN SIZE

PLUMBING AND PIPING SYMBOLS

PLUMBING FIXTURE TAGS



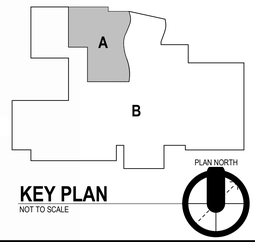
PLUMBING GENERAL NOTES

1. UNLESS OTHERWISE NOTED, SLOPE PIPE AS FOLLOWS: WASTE PIPE 2" AND SMALLER : 1/4" PER FOOT; WASTE PIPE 3" AND GREATER: 1/8" PER FOOT; ROOF DRAIN/ROOF DRAIN OVERFLOW: 1/8" PER FOOT. VERIFY ALL SLOPING WITH LOCAL CODES.
2. ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING AREAS ON FLOORS BELOW.
3. PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.
4. NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S, AND MCC'S.
5. CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
6. EXISTING PIPING AND ROUTING SHOWN, INCLUDING ALL BELOW FLOOR DECK PIPING IS APPROXIMATE. IT IS UP TO THE CONTRACTOR TO FIELD VERIFY THE EXACT LOCATION AND SIZE OF ALL PIPING.
7. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, DIMENSIONS AND OTHER REQUIREMENTS.
8. CONTRACTOR TO VERIFY CONNECTION SIDE OF ADA FIXTURES AND ADJUST ACCORDINGLY. INSTALL FLUSH VALVES HANDLES ON WIDE SIDE OF ADA ALL FIXTURES.
9. LOCATE ALL VENTS MINIMUM 15' AWAY FROM AIR INTAKES.
10. INSTALL ALL DOMESTIC WATER LINES BELOW DUCTWORK.
11. INSTALL A 24" X 24" ACCESS DOOR BELOW ALL ISOLATION VALVES, BALANCING VALVES AND WATER HAMMER ARRESTORS WHERE MOUNTED ABOVE HARD CEILINGS.
12. MOUNT ALL ISOLATION VALVES, CONTROL VALVES, BALANCING VALVES, ETC. NEAR CEILING HEIGHT FOR ACCESSIBILITY.
13. INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURERS RECOMMENDATION.
14. COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL AND PROVIDE SLEEVES AS NECESSARY.
15. COORDINATE THE LOCATION OF THE FLOOR DRAIN, SHOWER DRAIN, OR FLOOR SINK WITH ARCHITECTURAL AND STRUCTURAL.
16. SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZES OF WASTE, VENT AND DOMESTIC WATER TO/FROM SINGLE FIXTURE.
17. FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION.
18. WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR TO BE 2" MINIMUM.
19. INSTALL CLEANOUTS IN DRAIN PIPING AS INDICATED, AND WHERE NOT INDICATED, ACCORDING TO THE FOLLOWING.
    - A. SIZE SAME AS DRAINAGE PIPING UP TO 4" NPS. USE 4" NPS FOR LARGER DRAINAGE PIPING UNLESS LARGER CLEANOUT IS INDICATED.
    - B. LOCATE AT MINIMUM INTERVALS OF 100 FT.
    - C. DO NOT INSTALL CLEANOUTS IN CONCEALED LOCATIONS.

PROJECT GENERAL NOTES

1. THE PROJECT GENERAL NOTES APPLY TO ALL DISCIPLINES.
2. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN THE TENANT SPACE AND WITHIN CLOSE PROXIMITY TO THE TENANT SPACE. THE CONTRACTOR WILL FIELD VERIFY AS MUCH AS IS REASONABLE BEFORE THE FINAL BID. AFTER THE FINAL BID THE CONTRACTOR WILL NOTIFY THE OWNER, ARCHITECT, AND MECHANICAL DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF EXISTING CONDITIONS THAT MAY AFFECT THE DESIGN.
3. WHERE FLOOR DRAINS OCCUR WITH THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.
4. COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, EQUIPMENT, CEILINGS, ARCHITECTURAL COMPONENTS, AND ANYTHING ELSE PERTAINING TO THE PROJECT TO PREVENT CONFLICTS.
5. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AND THOSE OF OTHER DISCIPLINES, INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.
6. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATION BUILDING CODE, INTERNATIONAL MECHANICAL CODE, AND INTERNATIONAL PLUMBING CODE.
7. LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
8. ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF.
9. COORDINATE INSTALLATION OF DUCTWORK, PIPING AND MECHANICAL EQUIPMENT WITH NEC CLEARANCES INCLUDING THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. NO PIPING OR DUCTWORK TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S AND MCC'S. PROVIDE PANS IF REQUIRED UNDER PIPING.
10. FIRE SEAL AROUND DUCT AND PIPING PENETRATIONS OF FIRE RATED WALLS, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CAULKING AND SEALING ALL PENETRATIONS IN FIRE AND SMOKE RATED PARTITIONS TO MAINTAIN RATINGS. REFER TO SPECIFICATION.
11. PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
12. TRANSITION PIPING AND DUCTWORK SIZES TO MATCH THE SIZE OF EQUIPMENT CONNECTION.
13. REFER TO PLUMBING SERIES DRAWINGS FOR GAS PIPING.
14. ALL PIPE AND DUCT SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
15. FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.
16. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
17. MECHANICAL CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT IS PROVIDED AND INSTALLED WITH CLEARANCES PER MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL MAINTAIN PROPER SERVICE SPACE FOR COIL PULLS, BAS DEVICES, MAINTENANCE ACCESS, ETC.
18. LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD, INCLUDING, BUT NOT LIMITED TO, OFFSETS AND TRANSITIONS. NEW DUCTWORK, PIPING AND EQUIPMENT SHALL BE COORDINATED WITH STRUCTURE, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUIT, PLUMBING, MECHANICAL AND FIRE PROTECTION PIPING, MEDICAL GASES, ALL OTHER TRADES AND ALL OTHER EXISTING CONDITIONS TO AVOID INTERFERENCE IN THE FIELD.
19. THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
20. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
21. DETAILS REFERENCE ALL SHEETS.
22. INSTALL ALL PIPING AND DUCTWORK WITHOUT FORCING OR SPRINGING.
23. ROUTE DOMESTIC WATER, FIRE PROTECTION, SANITARY WASTE, ROOF DRAIN, CAMPUS CHILLED OR HOT WATER, AND ANY OTHER UTILITY SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFER TO CIVIL PLANS.
24. LOCATE VALVING, ACCESSORIES, AND EQUIPMENT IN ACCESSIBLE LOCATIONS. WHERE LOCATED ABOVE HARD CEILING PROVIDE AN ACCESS DOOR IN CEILING. MINIMUM ACCESS DOOR SIZE OF 24" X 24". COORDINATE EXACT LOCATION AND STYLE WITH ARCHITECT. EQUIPMENT SHALL BE LOCATED IN THE CEILING CAVITY SO IT CAN BE SAFELY SERVICED FROM SOMEONE STAND ON A LADDER PLACED BELOW THE CEILING ACCESS.
25. CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.

"NOTE"
ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET.THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.



KEY PLAN
NOT TO SCALE

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

181 East 5600 South
Murray, Utah 84107
O: (801)530-3148
www.vbfa.com
VBFA Project #: 23643

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
St. George Regional Airport

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	MAJ	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

STATE OF UTAH
MICHAEL A. JOHNSON
NO. 9063837
PROFESSIONAL ENGINEER

12/15/23

NAME | REG. NO. | DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: MAJ | CHECKED: JSW | APPROVED: JSW

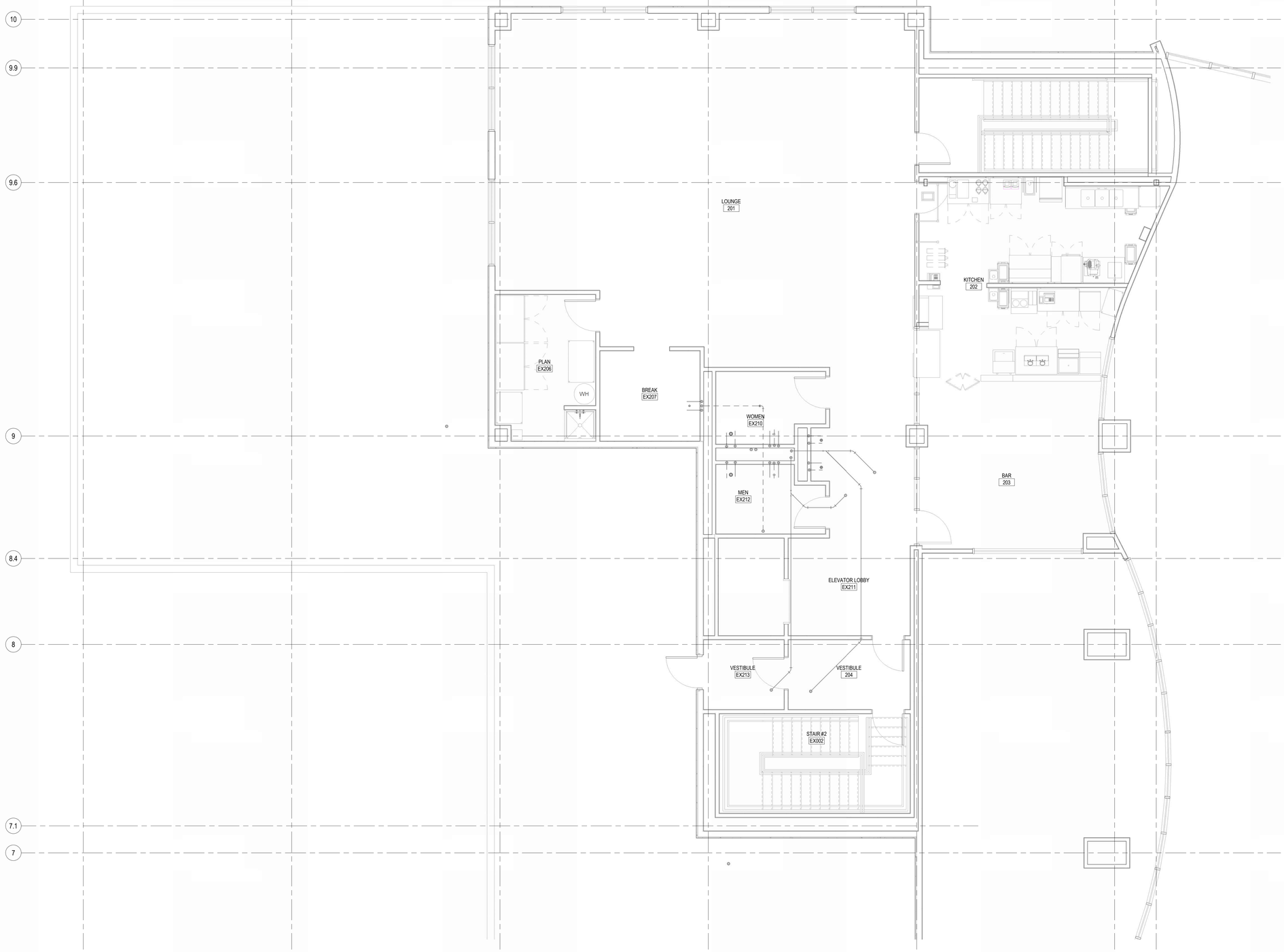
PROJECT NUMBER: **10016873.00**

PLUMBING TITLE SHEET

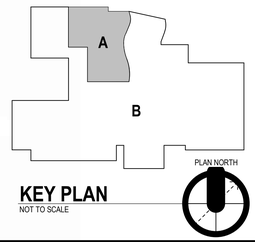
P000

Autodesk Docs://Jviation - SGU Hub/23643_St. George Airport Terminal Renovation_v22_IMECH.rvt
12/15/2023 5:16:22 PM
P000 PLUMBING TITLE SHEET

KEYNOTES



1 LEVEL 4 PLUMBING DEMOLITION PLAN
1/4" = 1'-0"



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OVERALL SECOND FLOOR PLUMBING DEMOLITION

PD102

Autodesk Docs://Jviation - SGU Hub/23843_St. George Airport Terminal Renovation_v22_MECH.rvt
12/15/2023 5:16:32 PM
PD102 OVERALL SECOND FLOOR PLUMBING DEMOLITION

KEYNOTES

1. EXISTING ELEMENTS SHOWN LIGHT AND GRAY TO REMAIN. TYPICAL.
2. SEE CIVIL DRAWINGS FOR CONTINUATION.
3. CONNECT 3" WASTE TO EXISTING 4" WASTE LINE.
4. SAW CUT, PATCH, AND REPAIR FLOOR IN THIS AREA TO ACCOMODATE INSTALLATION OF NEW 3" GREASE WASTE LINE.
5. NEW GREASE WASTE PIPING AND OTHER PIPING IN CEILING OF FIRST FLOOR TO BE COORDINATED AND SCHEDULED WITH OWNER. ALL WORK IN THIS AREA TO BE SCHEDULED AFTER HOURS (9:00 PM - 5:00 AM) AND CLEANED UP FOR AIRPORT TO RESUME OPERATIONS.

FINISHED FLOOR
ELEVATION = 100' - 0"

I.E. = 97'-8"

I.E. = 99'-0"

3" COTG

3" GW DN

3" GW

3" GW

3" W

1 1/2" V UP

1 1/2" V UP

1 1/2" V UP

1 1/2" V UP

2" GW

3" GW

3" GW

1/2" DHW UP

1/2" DHW UP

FS

SS

S

FD

FAMILY TOILET
EX105

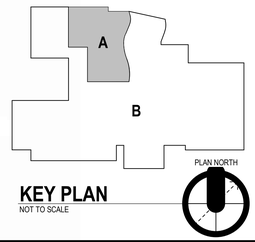
CONCESSIONS
EX106

CORRIDOR
EX111

STAIR #2
EX002

STAIR #2
EX002

1 LEVEL 1 PLUMBING PLAN
1/4" = 1'-0"



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PROJECT NUMBER: **10016873.00**

OVERALL FIRST FLOOR PLUMBING

P101

P101 OVERALL FIRST FLOOR PLUMBING 12/15/2023 5:16:24 PM Autodesk Docs://Jviation - SGU Hub/23643_St. George Airport Terminal Renovation_v22_MECH.rvt

KEYNOTES

1 EXISTING ELEMENTS SHOWN LIGHT AND GRAY TO REMAIN. TYPICAL.
2 CONNECT 1-1/4" DCW LINE TO EXISTING 2" DCW.
3 CONNECT 1-1/2" VENT PIPE TO EXISTING 3" VENT PIPE.

LOUNGE
201

KITCHEN
202

BAR
203

PLAN
EX206

BREAK
EX207

WOMEN
EX210

MEN
EX212

ELEVATOR LOBBY
EX211

VESTIBULE
EX213

VESTIBULE
204

STAIR#2
EX002

3/4" DHW-R
1" DCW
1" DHW
1" DHW
1 1/4" DCW
1 1/4" DCW

2 P401

1 P401

1 LEVEL 4 PLUMBING PLAN
1/4" = 1'-0"

A
B

PLAN NORTH

KEY PLAN
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PROJECT NUMBER: 10016873.00

OVERALL SECOND FLOOR PLUMBING

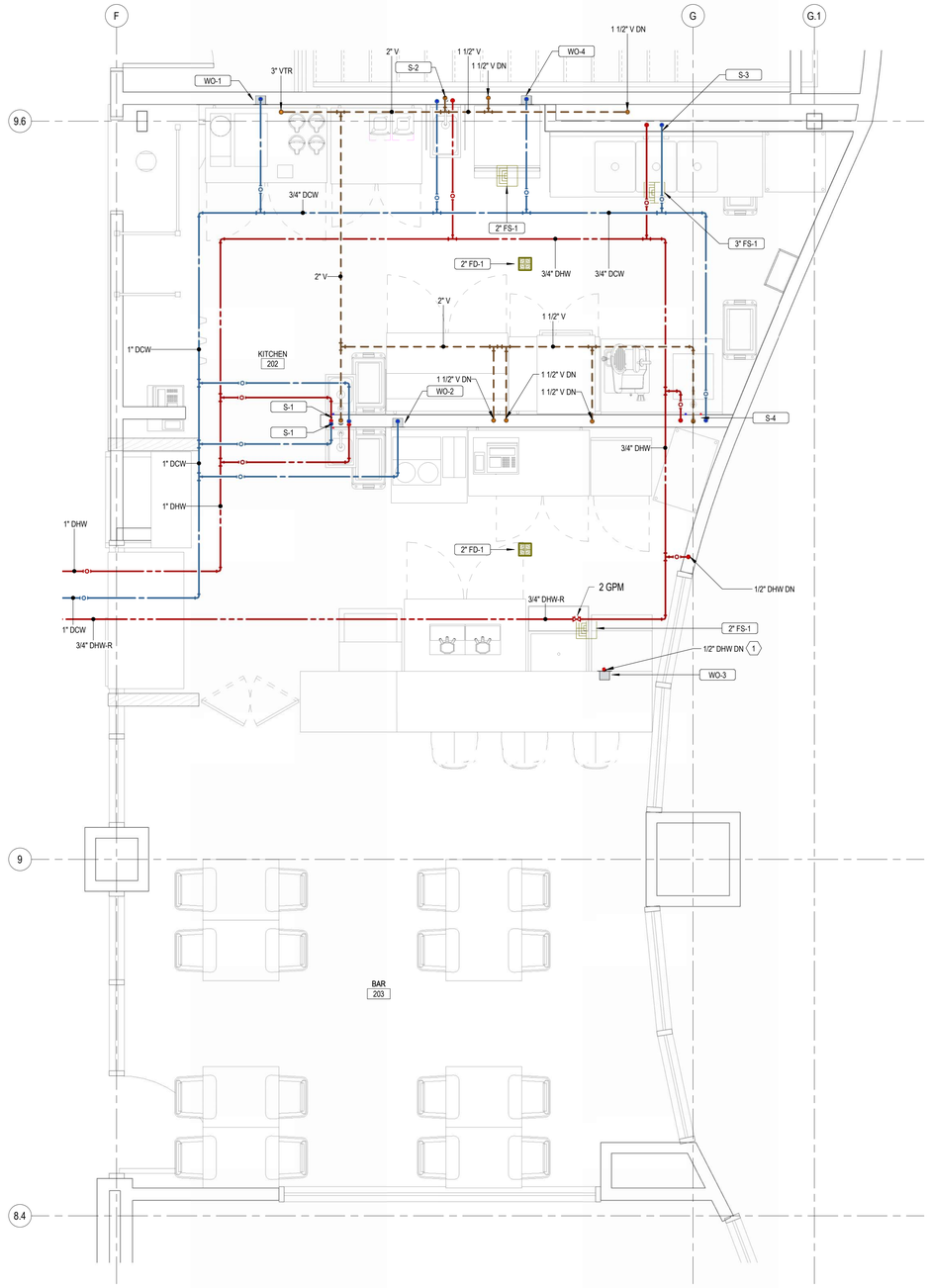
P102

P102 OVERALL SECOND FLOOR PLUMBING.rvt 12/15/2023 5:16:27 PM Autodesk Docs://Jviation - SGU Hub/23643_St. George Airport Terminal Renovation_v22_MECH.rvt

Autodesk Docs://Jviation - SGU Hub/23843_St. George Airport Terminal Renovation_v22_MECH.rvt
12/15/2023 5:16:29 PM
P401 ENLARGED PLUMBING PLANS

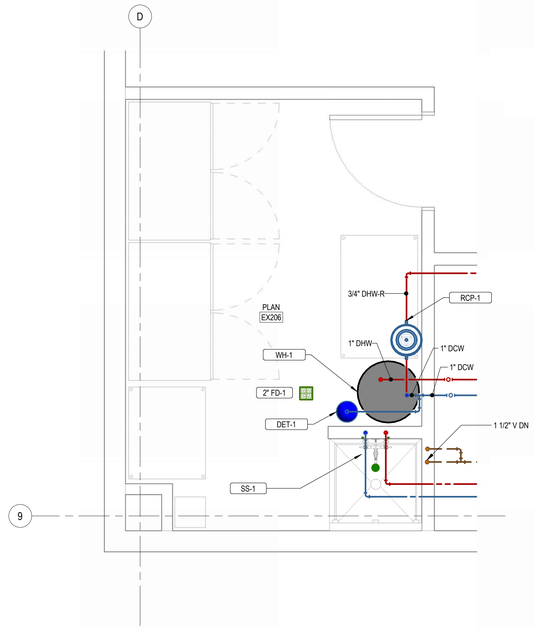
KEYNOTES

1 1/2" DHW FROM BELOW TO SERVE GLASS WASHER.



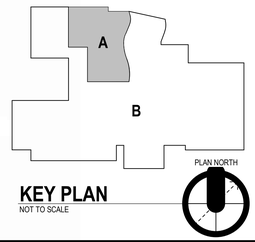
1 ENLARGED KITCHEN PLUMBING PLAN

1/2" = 1'-0"



2 ENLARGED KITCHEN STORAGE PLUMBING PLAN

1/2" = 1'-0"



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PROJECT NUMBER: **10016873.00**

ENLARGED PLUMBING PLANS

P401

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	CW	HW	W	V	DESCRIPTION	SPECIFICATION
FD-1	FLOOR DRAIN	--	--	2	1-1/2	GENERAL USE FLOOR DRAIN	FLOOR DRAIN: SMITH FIGURE 2005Y-P050 FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 6-INCH ROUND NICKEL BRONZE ADJUSTABLE STRAINER HEAD WITH SECURED GRATE. PROVIDE TRAP GUARD TYPE TRAP SEAL DEVICE.
FS-1	FLOOR SINK	--	--	SEE PLANS	1 1/2	GENERAL USE FLOOR SINK	FLOOR DRAIN: SMITH FIGURE 3100Y CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT INTERIOR COATING, NICKEL BRONZE RIM AND SECURED 1/2 GRATE AND ALUMINUM DOME BOTTOM STRAINER. PROVIDE TRAP GUARD TYPE TRAP SEAL DEVICE.
SS-1	SERVICE SINK	1/2	1/2	3	1 1/2	ROUGH IN AND CONNECT. PROVIDED BY KITCHEN EQUIPMENT SUPPLIER.	REFER TO ARCHITECTURAL SHEET A401.
S-1	HAND SINK	1/2	1/2	2	1 1/2	ROUGH IN AND CONNECT. PROVIDED BY KITCHEN EQUIPMENT SUPPLIER.	REFER TO ARCHITECTURAL SHEET A401.
S-2	DUMP SINK	1/2	1/2	2	1 1/2	ROUGH IN AND CONNECT. PROVIDED BY KITCHEN EQUIPMENT SUPPLIER.	REFER TO ARCHITECTURAL SHEET A401.
S-3	3-COMPARTMENT SINK	1/2	1/2	2	-	ROUGH IN AND CONNECT. PROVIDED BY KITCHEN EQUIPMENT SUPPLIER.	REFER TO ARCHITECTURAL SHEET A401.
S-4	PREP TABLE SINK	1/2	1/2	2	1 1/2	ROUGH IN AND CONNECT. PROVIDED BY KITCHEN EQUIPMENT SUPPLIER.	REFER TO ARCHITECTURAL SHEET A401.
WO-1	ESPRESSO MACHINE.	1/2	-	-	-	ROUGH IN AND CONNECT. PROVIDED BY KITCHEN EQUIPMENT SUPPLIER.	REFER TO ARCHITECTURAL SHEET A401.
WO-2	COFFEE MACHINE	1/2	-	-	-	ROUGH IN AND CONNECT. PROVIDED BY KITCHEN EQUIPMENT SUPPLIER.	REFER TO ARCHITECTURAL SHEET A401.
WO-3	GLASS WASHER	-	1/2	2	-	ROUGH IN AND CONNECT. PROVIDED BY KITCHEN EQUIPMENT SUPPLIER.	REFER TO ARCHITECTURAL SHEET A401.
WO-4	ICE MAKER	1/2	-	1/2	-	ROUGH IN AND CONNECT. PROVIDED BY KITCHEN EQUIPMENT SUPPLIER.	REFER TO ARCHITECTURAL SHEET A401.
							REFER TO ARCHITECTURAL SHEET A401.

1. ALL UNDER GROUND WASTE AND VENT SHALL BE 2" OR GREATER PER DRAWINGS.

DOMESTIC EXPANSION TANK SCHEDULE

SYMBOL	MANUFACTOR AND MODEL NO.	SYSTEM SERVED	TYPE	TANK VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)	RELIEF VALVE (PSI)	DIA/ HEIGHT (IN)	NPTM FITTING (IN)	REMARKS
DET-1	BELL & GOSSETT PT-5	WH-1	DIAPHRAM	2	0.9	112.5	8/12.625	3/4	1

1. NON-ASME RATED

DOMESTIC PUMP SCHEDULE

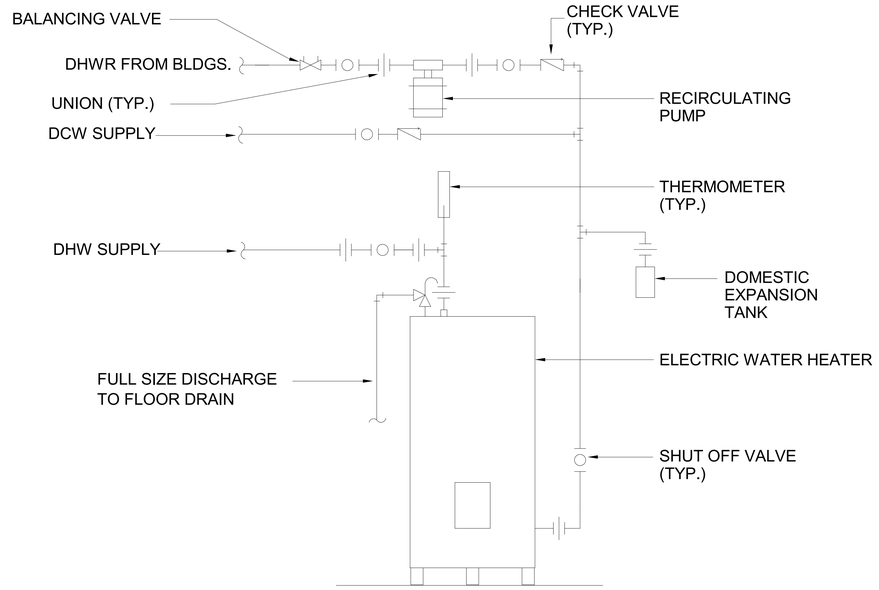
		PUMP				MOTOR					
SYMBOL	MANUF. AND MODEL NO.	FLOW RATE (GPM)	HEAD (FT)	WORKING FLUID	PUMP TYPE	HP	WATTS	FLA	RPM	VOLT/PH	REMARKS
RCP-1	B&G NBF-22	2.0	10.875	WATER	INLINE	--	92	0.80	2940	115	1

1. TO INCLUDE TC-1 AUTOMATIC TIMER AND ASQ-3/4 AQUASTAT COMBINATION KIT.

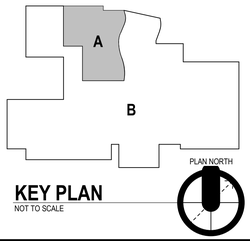
ELECTRIC WATER HEATER SCHEDULE

SYMBOL	MANUF. AND MODEL NO.	CAP. U.S. GAL.	NUMBER OF ELEMENTS	ELEMENT WATTAGE	GPH @ 90 DEG RISE	WIDTH/ HEIGHT (IN)	ELECTRICAL			REMARKS
							WATTS	FLA	V/PH	
WH-1	A.O. SMITH DRE-52	50	3	5000	68	22/56	15000	72.1	208/3	1

1. DISCONNECT BY ELECTRICAL.



1 / P601 ELECTRIC WATER HEATER DETAIL
1/4" = 1'-0"



KEY PLAN
NOT TO SCALE

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

181 East 5600 South
Murray, Utah 84107
O: (801)530-3148
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VBFA Project #: 23643

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790
A PROJECT FOR:
St. George Regional Airport

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	MAJ	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

STATE OF UTAH
MICHAEL A. JOHNSON
No. 9063837
PROFESSIONAL ENGINEER

12/15/23
NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: MAJ | CHECKED: JSW | APPROVED: JSW

PROJECT NUMBER: **10016873.00**

PLUMBING SCHEDULES AND DETAILS

P601

P601 PLUMBING SCHEDULES AND DETAILS.dwg 12/15/2023 5:16:29 PM Autodesk Docs://Jviation - SGU Hub/23643_St. George Airport Terminal Renovation_v22_MECH.rvt

GENERAL MECHANICAL SYMBOLS

- REVISION NUMBER - SHOWN ON PLANS
- POINT WHERE NEW CONNECTS TO EXISTING
- POINT WHERE EXISTING IS TO BE DEMOLISHED
- NUMBER OF DETAIL ON SHEET / NUMBER OF SHEET WHERE DETAIL APPEARS
- KEYNOTE
- CONTINUATION SYMBOL
- ROOM NAME AND NUMBER (Room 11)
- ITEM TO BE DEMOLISHED
- AREA NOT IN CONTRACT

- 2" — PIPE SIZE TAG (DIAMETER)
- ABOVE GROUND PIPING
- 2" VTR — PIPE SLOPE TAG
- BELOW GROUND PIPING
- INVERT: -105' - 1" — PIPE INVERT ELEVATION TAG
- (E) — EXISTING PIPE TAG
- PIPING BEING DEMOLISHED

ABBREVIATIONS

Ø	ROUND	LVR	LOUVER
ABV	ABOVE	LWT	LEAVING WATER TEMPERATURE
AC	AIR CONDITIONING	M/A	MIXED AIR
AD	AREA DRAIN	MAX	MAXIMUM
ADD	ADDENDUM	MBH	ONE THOUSAND BTU PER HOUR
AFF	ABOVE FINISHED FLOOR	MCF	ONE THOUSAND CUBIC FEET
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MD	MOTORIZED DAMPER
ALT	ALTERNATE	MECH	MECHANICAL
AP	ACCESS PANEL	MFR	MANUFACTURER
ARCH	ARCHITECT/ARCHITECTURAL	MIN	MINIMUM
BFF	BELOW FINISHED FLOOR	MISC	MISCELLANEOUS
BLW	BELOW	MTR	MOTOR
BTU	BRITISH THERMAL UNITS	MUA	MAKE-UP/AIR
BTUH	BRITISH THERMAL UNITS PER HOUR	NC	NOISE CRITERIA
CAP	CAPACITY	NC	NORMALLY CLOSED
CB	CATCH BASIN	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NUMBER
CLG	CEILING	NO	NORMALLY OPEN
CO	CLEAN OUT	NTS	NOT TO SCALE
D	DEGREE	O	OXYGEN
DB	DRY BULB	O/A	OUTSIDE AIR
DCW	DOMESTIC COLD WATER	PD	PRESSURE DROP
DHW	DOMESTIC HOT WATER	PIV	POST INDICATOR VALVE
DIA	DIAMETER	PLBG	PLUMBING
DN	DOWN	PRESS	PRESSURE
DW	DISTILLED WATER	PRV	PRESSURE REDUCING VALVE
EA	EACH	PSI	POUNDS PER SQUARE INCH
EAT	ENTERING AIR TEMPERATURE	PSIG	POUNDS PER SQUARE INCH GAUGE
ELEC	ELECTRICAL	PWR	POWER
EQUIP	EQUIPMENT	R	DUCT RISER
EWC	ELECTRIC WATER COOLER	R/A	RETURN AIR
EWT	ENTERING WATER TEMPERATURE	RCP	RADIANT CEILING PANEL
E/A	EXHAUST AIR	RD	ROOF DRAIN
EXIST	EXISTING	RDO	ROOF DRAIN OVERFLOW
F	DEGREES FAHRENHEIT	REC	RECESSED
FCO	FLOOR CLEAN OUT	RED	REDUCER
FD	FLOOR DRAIN	RH	RELATIVE HUMIDITY
FD	FIRE DAMPER	RL/A	RELIEF AIR
FDV	FIRE DEPARTMENT VALVE	RM	ROOM
FL	FLOOR	RPM	REVOLUTIONS PER MINUTE
FO	FUEL OIL	RW	RAIN WATER
FOV	FUEL OIL VENT	SF	SQUARE FOOT
FOR	FUEL OIL RETURN	S/A	SUPPLY AIR
FOS	FUEL OIL SUPPLY	S/AN	SANITARY
FPM	FEET PER MINUTE	SF	SQUARE FOOT
FS	FLOOR SINK	SD	SMOKE DAMPER
FT	FOOT/FEET	SM	SURFACE MOUNT
FTR	FIN TUBE RADIATION	SP	STANDPIPE
GAL	GALLON	SP	STATIC PRESSURE
GC	GENERAL CONTRACTOR	STM	STEAM
GPM	GALLONS PER MINUTE	T	THERMOSTAT
GW	GREASE WASTE	TD	TRENCH DRAIN
HB	HOSE BIB	TDR	TEMPERATURE DROP
HP	HORSE POWER	TEMP	TEMPERATURE
HTG	HEATING	TYP	TYPICAL
HTR	HEATER	UG	UNDERGROUND
HYD	HYDRANT	VAC	VACUUM
ID	INDIRECT	V	VENT
IN	INCH	VAV	VARIABLE AIR VOLUME
INV	INVERT	VENT	VENTILATION
LB	POUND	VTR	VENT THROUGH ROOF
LB/HR	POUNDS PER HOUR	W	WASTE
LAT	LEAVING AIR TEMPERATURE	WB	WET BULB
LP	LOW PRESSURE	WCO	WALL CLEAN OUT
LPG	LIQUEFIED PETROLEUM GAS	WH	WALL HYDRANT

HVAC SYMBOLS

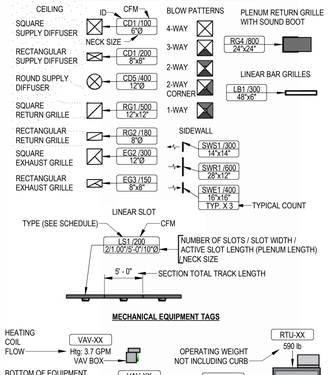
DAMPER TAGS

- FIRE DAMPER — FD
- SMOKE DAMPER — SD
- FIRE/SMOKE DAMPER — FSD
- BD — BALANCING DAMPER (MANUAL)
- BDD — BACKDRAFT DAMPER
- ATC — AUTOMATIC TEMPERATURE CONTROL DAMPER (MOTORIZED)

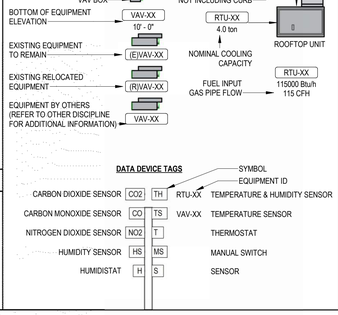
HVAC SYMBOLS

- 18"x8" — SQUARE DUCT SIZE TAG (WIDTH x HEIGHT)
- 18"/8"-O — OVAL DUCT SIZE TAG (WIDTH / HEIGHT)
- 18"Ø — ROUND DUCT SIZE TAG (DIAMETER)
- (E) — EXISTING DUCT TAG
- DUCT BEING DEMOLISHED
- SUPPLY AIR - LOW PRESSURE
- SUPPLY AIR - MEDIUM PRESSURE
- CONDITIONED OUTSIDE AIR
- OUTSIDE AIR
- RETURN AIR
- TRANSFER AIR
- EXHAUST AIR
- RELIEF AIR
- GREASE EXHAUST AIR
- SMOKE EXHAUST AIR
- EXHAUST GAS FLUE
- COMBUSTION AIR
- DROP — RECTANGULAR SUPPLY/OUTSIDE AIR DUCT RISE
- DROP — ROUND SUPPLY/OUTSIDE AIR DUCT RISE
- DROP — RECTANGULAR RETURN/TRANSFER AIR DUCT RISE
- DROP — ROUND RETURN/TRANSFER AIR DUCT RISE
- DROP — RECTANGULAR EXHAUST/RELIEF AIR DUCT RISE
- DROP — ROUND EXHAUST/RELIEF AIR DUCT RISE

GRILLES, REGISTERS & DIFFUSERS SYMBOLS AND TAGS



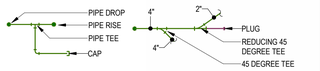
MECHANICAL EQUIPMENT TAGS



DATA DEVICE TAGS

PIPING SYMBOLS

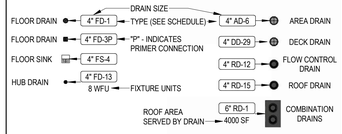
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CD	CONDENSATE DRAINAGE
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
GWR	GEOTHERMAL WATER RETURN
GWS	GEOTHERMAL WATER SUPPLY
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
NG	NATURAL GAS
PG	PROPANE GAS
REF-L	REFRIGERANT-LIQUID
REF-S	REFRIGERANT-SUCTION
REF-HG	REFRIGERANT-HOT GAS
STM	STEAM
CDR	CONDENSATE RETURN
CWV	COMBINATION WASTE & VENT
CA	COMPRESSED AIR
DCW	DOMESTIC COLD WATER
S-CW	SOFT COLD WATER
F-CW	FILTERED COLD WATER
NPCW	NON-POTABLE COLD WATER
RO	REVERSE OSMOSIS WATER
DHW	HOT WATER
DHW 140°	HOT WATER 140°
DHW-R	HOT WATER RECIRCULATION
DHW-R 140°	HOT WATER RECIRCULATION 140°
NPHW	NON-POTABLE HOT WATER
GV	GREASE VENT
GW	GREASE WASTE
IW	INDIRECT WASTE
OV	OIL VENT
OW	OIL WASTE
PD	PUMP DISCHARGE
V	SANITARY VENT
W	SANITARY SEWER
SHWR	SOLAR HOT WATER RETURN
SHWS	SOLAR HOT WATER SUPPLY
RD	ROOF DRAIN
RDO	ROOF DRAIN OVERFLOW



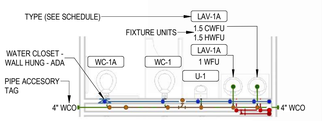
PIPE ACCESSORY TAGS

- 2" DOM. WM — DOMESTIC WATER METER
- 2" BALANCING — BALANCING VALVE
- 2" SHUTOFF — 1/4 TURN BALL VALVE
- 2" CHECK — CHECK VALVE
- 2" TMV — 3-WAY MIXING VALVE
- 2" M-CNTRL — MOTORIZED CONTROL VALVE
- 2" 3-WAY CNTRL — 3 WAY MOTORIZED CONTROL VALVE
- 2" PRV — PRESSURE REDUCING VALVE
- 3/8" SOLENOID — REFRIGERANT SOLENOID VALVE
- 2" BUTTERFLY — BUTTERFLY VALVE

DRAIN TAGS

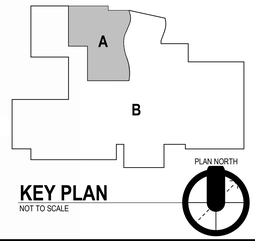


PLUMBING FIXTURE TAGS



* NOTE *

THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.



KEY PLAN
NOT TO SCALE

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

181 East 5600 South
Murray, Utah 84107
O: (801)530-3148
www.vbfa.com
VBFA Project #: 23643

TERMINAL RENOVATION
4550 S AIRPORT PKWY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
St. George Regional Airport

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	MAJ	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

STATE OF UTAH
MICHAEL A. JOHNSON
NO. 9063837
PROFESSIONAL ENGINEER

12/15/23

NAME | REG. NO. | DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: MAJ | CHECKED: JSW | APPROVED: JSW

PROJECT NUMBER: **10016873.00**

MECHANICAL TITLE SHEET

M000

M000 MECHANICAL TITLE SHEET 12/15/2023 5:16:09 PM Autodesk Docs://Jviation - SGU Hub/23843_St. George Airport Terminal Renovation_V22_MECH.rvt

FIRE PROTECTION GENERAL NOTES

1. NO FIRE PROTECTION LINE SHALL BE DESIGNED OR INSTALLED PRIOR TO CLOSE COORDINATION WITH ALL OTHER DISCIPLINES. DUCTWORK, MECHANICAL PIPING AND PLUMBING TAKE SPACE PRECEDENCE OVER FIRE PROTECTION REMOVAL AND REINSTALLATION AT THE FIRE PROTECTION CONTRACTORS EXPENSE.
2. ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING SURROUNDING AREA.
3. COORDINATE EXACT LOCATION OF PIPING WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUITS, DUCTWORK, MECHANICAL AND PLUMBING PIPING, AND ALL OTHER TRADES AND ALL EXISTING CONDITIONS.
4. FIRE SUPPRESSION CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND/OR REROUTE ANY AND ALL FIRE PROTECTION PIPING, VALVING, SUPPORTS OR SYSTEMS, OTHERWISE WITHIN THE FIRE SUPPRESSION DISCIPLINE REGARDLESS OF WHO INSTALLED THEM OR WHEN THEY WERE INSTALLED, IN ORDER TO ACCOMMODATE MECHANICAL, PLUMBING, ELECTRICAL OR OTHER SYSTEMS. COORDINATE WORK WITH MECHANICAL, ELECTRICAL, PLUMBING OR OTHER CONTRACTORS UNTIL SUBSTANTIAL COMPLETION OF PROJECT.
5. PROVIDE ALTERATIONS TO THE EXISTING FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE THE NEW FLOOR PLAN AND NEW CEILING TYPES. PROVIDE A COMPLETE WET TYPE SYSTEM INCLUDING NEW MAINS, BRANCHES, HEADS, VALVES, AND ACCESSORIES AS REQUIRED. REUSE EXISTING SYSTEM EQUIPMENT WHERE APPLICABLE. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS AND AS PER REQUIREMENTS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, NFPA, AND FACTORY MUTUAL.
6. THE BUILDINGS COMPLETE OPERATIONAL FIRE PROTECTION SYSTEMS SHALL REMAIN IN PLACE. THIS CONTRACTOR SHALL REPAIR ANY DAMAGE TO THIS SYSTEM CREATED BY THE REMOVAL OF ANY OTHER MECHANICAL SYSTEMS OR COMPONENTS.
7. THIS CONTRACTOR SHALL COORDINATE PHASING OF SPRINKLER WORK WITH THE GENERAL CONTRACTOR PRIOR TO STARTING WORK.
8. PROVIDE A COMPLETE WET TYPE FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE THE FLOOR PLAN AND CEILING TYPES INCLUDING MAINS, BRANCHES, HEADS, VALVES, AND ACCESSORIES AS REQUIRED. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, NFPA, AND FACTORY MUTUAL.
9. THE SPRINKLER SYSTEM SHALL BE DESIGNED BASED UPON ACTUAL WATER FLOW TEST DATA OBTAINED AT OR NEAR THE JOB SITE.
10. REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION REGARDING SPRINKLER HEAD LOCATION AND PIPE, UNLESS NOTED OTHERWISE.
11. DIVISION 21 CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR PROPER INSTALLATION OF THE FIRE PROTECTION SYSTEMS ALARM DEVICES INVOLVED WITH FIRE SPRINKLER SYSTEM.
12. ALL SPRINKLER SYSTEM PIPING SHALL BE CONCEALED ABOVE THE SUSPENDED CEILING SYSTEM, UNLESS NOTED OTHERWISE. WRITTEN AUTHORIZATION SHALL BE OBTAINED FROM THE ARCHITECT PRIOR TO EXPOSING ANY PIPING IN ANY ROOM WHICH HAS A SUSPENDED CEILING.
13. THIS CONTRACTOR SHALL PROVIDE ALL ADDITIONAL SPRINKLER HEADS AS REQUIRED TO ENSURE AN APPROVED FIRE PROTECTION SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
14. AUXILIARY DRAINS SHALL BE EXPOSED WITH 1" DRAIN VALVES. WHEN 5 OR MORE GALLONS ARE TRAPPED, THIS CONTRACTOR SHALL PROVIDE FIXED PIPING TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE DRAIN. WHEN LESS THAN 5 GALLONS ARE TRAPPED, A HOSE BIB SHALL BE PROVIDED AT THE DRAIN VALVE.
15. AUXILIARY DRAINS SHALL NOT BE LOCATED ABOVE PLASTER OR GYPSUM BOARD CEILING SYSTEMS. ONLY BY A SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER WILL A VARIANCE BE PROVIDED.
16. AN INSPECTOR'S TEST CONNECTION SHALL BE PROVIDED FOR EACH FIRE SPRINKLER ZONE. THIS CONTRACTOR SHALL PROVIDE FIXED PIPING FROM THE TEST CONNECTION TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE TEST. (EXTERIOR DISCHARGE OF THE TEST CONNECTION SHALL BE PERMITTED ONLY BY SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER.)
17. SHOW ALL ROOM NUMBERS ON SHOP DRAWING PLANS.
18. FLOW TEST DATA FROM ### INDICATES THE FOLLOWING: STATIC PRESSURE # PSI. RESIDUAL PRESSURE: # PSI AT ## GPM. THE HYDRANTS TESTED ARE APPROXIMATELY ### FEET AWAY FROM THE CENTER OF THE SITE LOCATED OFF THE ##" WATER MAIN IN ## STREET AT AN ELEVATION OF ### FEET ABOVE SEA LEVEL. SEE CIVIL PLANS FOR HYDRANT LOCATION. THE CONTRACTOR SHALL PERFORM A FIRE FLOW TEST IN ACCORDANCE WITH NFPA 291 TO VERIFY THE FLOW TEST DATA GIVEN ABOVE. THE DATA GIVEN ABOVE SHALL BE THE BASIS OF DESIGN UNLESS THE AVAILABLE PRESSURE OR FLOW HAS DECREASED. NOTIFY OWNERS REPRESENTATIVE IF FLOW TEST DATA DIFFERS FROM THE DATA ABOVE. A FIRE PROTECTION ENGINEER OR AN ENGINEER EXPERIENCED IN WATER FLOW TESTING SHALL PERFORM OR WITNESS THE REQUIRED FLOW TESTING AND SIGN THE REPORT PRIOR TO THE FIRST SPRINKLER SYSTEM SUBMITTAL.
19. ROUTE SPRINKLER PIPING SUCH THAT IT DOES NOT RUN ABOVE ELECTRICAL PANELS, SWITCHGEAR, OR SIMILAR EQUIPMENT. SPRINKLER MAINS SHALL NOT RUN THROUGH ELECTRICAL OR COMMUNICATION ROOMS. SPRINKLER HEADS IN THESE ROOMS SHALL BE SERVED BY A DEDICATED BRANCH LINE FOR EACH ROOM. BRANCH LINE TO ENTER ROOM ABOVE DOOR.
20. THIS DRAWING INDICATES A GENERAL PIPING ARRANGEMENT AND SUGGESTED SIZING ONLY. THIS CONTRACTOR SHALL DETERMINE THE ACTUAL PIPE SIZING REQUIRED AND COORDINATE WORK WITH ALL OTHER TRADES TO AVOID CONFLICTS.
21. THIS CONTRACTOR SHALL PREPARE HYDRAULIC CALCULATIONS BASED UPON THE CONFIGURATION OF THE ACTUAL SYSTEM DESIGN AS SHOWN ON THIS CONTRACTOR'S SHOP DRAWINGS.

PLUMBING GENERAL NOTES

1. UNLESS OTHERWISE NOTED, SLOPE PIPE AS FOLLOWS: WASTE PIPE 2" AND SMALLER : 1/4" PER FOOT; WASTE PIPE 3" AND GREATER: 1/8" PER FOOT; ROOF DRAIN/ROOF DRAIN OVERFLOW: 1/8" PER FOOT. VERIFY ALL SLOPING WITH LOCAL CODES.
2. ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING AREAS ON FLOORS BELOW.
3. PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.
4. NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S, AND MCC'S.
5. CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
6. EXISTING PIPING AND ROUTING SHOWN, INCLUDING ALL BELOW FLOOR DECK PIPING IS APPROXIMATE. IT IS UP TO THE CONTRACTOR TO FIELD VERIFY THE EXACT LOCATION AND SIZE OF ALL PIPING.
7. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, DIMENSIONS AND OTHER REQUIREMENTS.
8. CONTRACTOR TO VERIFY CONNECTION SIDE OF ADA FIXTURES AND ADJUST ACCORDINGLY. INSTALL FLUSH VALVES HANDLES ON WIDE SIDE OF ADA ALL FIXTURES.
9. LOCATE ALL VENTS MINIMUM 15' AWAY FROM AIR INTAKES.
10. INSTALL ALL DOMESTIC WATER LINES BELOW DUCTWORK.
11. INSTALL A 24" X 24" ACCESS DOOR BELOW ALL ISOLATION VALVES, BALANCING VALVES AND WATER HAMMER ARRESTORS WHERE MOUNTED ABOVE HARD CEILINGS.
12. MOUNT ALL ISOLATION VALVES, CONTROL VALVES, BALANCING VALVES, ETC. NEAR CEILING HEIGHT FOR ACCESSIBILITY.
13. INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURERS RECOMMENDATION.
14. COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL AND PROVIDE SLEEVES AS NECESSARY.
15. COORDINATE THE LOCATION OF THE FLOOR DRAIN, SHOWER DRAIN, OR FLOOR SINK WITH ARCHITECTURAL AND STRUCTURAL.
16. SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZES OF WASTE, VENT AND DOMESTIC WATER TO/FROM SINGLE FIXTURE.
17. FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION.
18. WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR TO BE 2" MINIMUM.
19. INSTALL CLEANOUTS IN DRAIN PIPING AS INDICATED, AND WHERE NOT INDICATED, ACCORDING TO THE FOLLOWING.
    A. SIZE SAME AS DRAINAGE PIPING UP TO 4" NPS. USE 4" NPS FOR LARGER DRAINAGE PIPING UNLESS LARGER CLEANOUT IS INDICATED.
    B. LOCATE AT MINIMUM INTERVALS OF 100 FT.
    C. DO NOT INSTALL CLEANOUTS IN CONCEALED LOCATIONS.

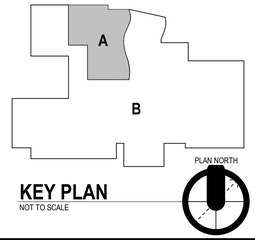
MECHANICAL GENERAL NOTES

1. COORDINATE EXACT PLACEMENT OF DIFFUSERS, GRILLES AND REGISTERS WITH ARCHITECTURAL REFLECTED CEILING PLAN, TYPICAL.
2. SEE DETAIL FOR DIFFUSER CONNECTIONS TO DUCTWORK, TYPICAL.
3. BRANCH DUCTWORK SHALL BE SIZED TO MATCH THE NECK INLET SIZE OF THE DIFFUSERS, REGISTER OR GRILLE IT SERVES UNLESS NOTED OTHERWISE, TYPICAL.
4. COORDINATE EXACT MOUNTING LOCATION OF ALL THERMOSTATS WITH LATEST REVISION OF ARCHITECTURAL ELEVATION AND FURNISHINGS PLANS, TYPICAL.
5. THE MECHANICAL CONTRACTOR SHALL PROVIDE FIRE, SMOKE OR COMBINATION FIRE/SMOKE DAMPERS AT ALL LOCATIONS SHOWN ON THE CONTRACT DOCUMENTS AND AS REQUIRED TO MEET THE INTEGRITY OF ALL SMOKE AND FIRE PARTITIONS. THE CONTRACTOR SHALL REFER TO THE LATEST ARCHITECTURAL LIFE SAFETY PLANS FOR ALL FIRE AND SMOKE PARTITION LOCATIONS. DAMPERS ARE TO BE PROVIDED WITH SHUTOFF/TEST SWITCH AT EACH LOCATION.
6. PROVIDE AND INSTALL TURNING VANES IN ALL SQUARE LOW PRESSURE DUCTWORK AT ELBOWS OR TEES, TYPICAL.
7. INSTALL ALL TERMINAL BOXES IN EASILY ACCESSIBLE AND SERVICEABLE LOCATIONS, MEETING ALL MANUFACTURERS REQUIRED CLEARANCES ON EACH SIDE, SEE DETAILS, TYPICAL.
8. DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. REFER TO MECHANICAL SPECIFICATIONS FOR EXTENT OF DUCT INSULATION AND LINER AND ADJUST SHEET METAL DIMENSION.
9. PROVIDE AND INSTALL REMOTE DAMPER OPERATORS FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILING, SEE MECHANICAL SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS, TYPICAL.
10. PROVIDE AND INSTALL HIGH EFFICIENCY TAKE-OFF FITTINGS AND BALANCING DAMPER AT ALL BRANCH CONNECTIONS TO LOW PRESSURE DUCTWORK. PROVIDE BALANCING DAMPERS AT EACH BRANCH TAKE OFF TO SERVE DIFFUSER OR GRILLE AS WELL AS WHERE INDICATED.
11. PROVIDE AND INSTALL HIGH EFFICIENCY OR CONICAL TAKE-OFFS AT ALL BRANCH CONNECTIONS TO MEDIUM PRESSURE DUCTWORK.
12. WHERE DUCTWORK CROSSES, SUPPLY DUCTWORK IS USUALLY BELOW RETURN AND EXHAUST DUCT. RETURN DUCTWORK IS USUALLY BELOW EXHAUST DUCTS.
13. AT LOCATIONS WHERE DIFFUSERS OR GRILLES ARE UNDER DUCTWORK, CONTRACTOR TO FABRICATE TRANSITION BOOT FROM FLEX CONNECTION TO DIFFUSER OR GRILLE WITH BALANCING DAMPER, TYPICAL.
14. THE MECHANICAL CONTRACTOR SHALL PROVIDE CEILING MOUNTED ACCESS DOORS FOR ALL FIRE, SMOKE AND COMBINATION FIRE/SMOKE DAMPERS INSTALLED ABOVE INACCESSIBLE CEILING. FIELD VERIFY EXACT INSTALLATION LOCATIONS PRIOR TO COMMENCING WORK AND COORDINATE INSTALLATIONS WITH LATEST ARCHITECTURAL REFLECTED CEILING PLANS.
15. ALL VAV BOXES TO HAVE REHEAT COILS, EXCEPT AS NOTED. PROVIDE EQUIPMENT TAG TO MATCH SCHEDULE. PROVIDE A MINIMUM OF TWO DUCT DIAMETERS OF STRAIGHT ROUND DUCT TO INLET OF VAV BOX. BOX SHALL BE HARD CONNECTED (CONICAL) TO MEDIUM PRESSURE DUCT, TYPICAL.
16. PROVIDE ACCESS DOORS TO ACCESS VAV BOX CONTROLS ABOVE HARD CEILINGS. PROVIDE MINIMUM 24" X 24".
17. FLEX DUCT IS REQUIRED FOR ALL DIFFUSERS AND GRILLES INSTALLED IN LAY-IN CEILINGS. FOR DIFFUSERS AND GRILLES IN HARD LID CEILINGS, THE DUCTWORK SHALL BE EXTENDED ALL THE WAY TO THE DIFFUSER AND SHALL BE CONNECTED WITH A HARD CONNECTION OR A FLEX DUCT CONNECTION WITH A MUD RING AND LAY-IN DIFFUSER AS SHOWN ON PLANS.
18. THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
19. PROVIDE ACCESS TO ALL TEMPERATURE CONTROLS ABOVE CEILING. LOCATE IN ACCESSIBLE LOCATION. WHERE THERE ARE HARD CEILINGS THE CONTRACTOR SHALL PROVIDE 24" X 24" ACCESS DOOR.
20. SUPPLY AND RETURN PIPING TO COILS ARE THE SAME SIZE.
21. CONTRACTOR SHALL LOCATE THERMOSTATS AND TEMPERATURE SENSORS AT 5'-0" AFF, A MINIMUM OF 8" FROM LIGHT SWITCH, UNLESS OTHERWISE NOTED ON THE ARCHITECT'S ELEVATIONS. COORDINATE EXACT LOCATIONS WITH ARCHITECT.
22. REFER TO MECHANICAL PIPING OR ZONING DRAWINGS FOR THERMOSTAT AND TEMPERATURE SENSOR LOCATIONS.
23. CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPINE SHALL BE TYPE "L" COPPER UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS.
24. PROVIDE A 4" HOUSEKEEPING PAD FOR EACH PIECE OF MECHANICAL EQUIPMENT THAT IS FLOOR MOUNTED. COORDINATE SIZES WITH MECHANICAL EQUIPMENT SELECTED.
25. ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE RATED FOR PRESSURE CLASS OF 2" W.G. UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
26. THIS CONTRACTOR SHALL BE REQUIRED TO REPLACE FILTERS ON HVAC EQUIPMENT AFTER ALL DUST PRODUCING CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO THE FINAL PUNCH.

PROJECT GENERAL NOTES

1. THE PROJECT GENERAL NOTES APPLY TO ALL DISCIPLINES.
2. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN THE TENANT SPACE AND WITHIN CLOSE PROXIMITY TO THE TENANT SPACE. THE CONTRACTOR WILL FIELD VERIFY AS MUCH AS IS REASONABLE BEFORE THE FINAL BID. AFTER THE FINAL BID THE CONTRACTOR WILL NOTIFY THE OWNER, ARCHITECT, AND MECHANICAL DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF EXISTING CONDITIONS THAT MAY AFFECT THE DESIGN.
3. WHERE FLOOR DRAINS OCCUR WITH THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.
4. COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, EQUIPMENT, CEILINGS, ARCHITECTURAL COMPONENTS, AND ANYTHING ELSE PERTAINING TO THE PROJECT TO PREVENT CONFLICTS.
5. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AND THOSE OF OTHER DISCIPLINES, INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.
6. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATION BUILDING CODE, INTERNATIONAL MECHANICAL CODE, AND INTERNATIONAL PLUMBING CODE.
7. LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
8. ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF.
9. COORDINATE INSTALLATION OF DUCTWORK, PIPING AND MECHANICAL EQUIPMENT WITH NEC CLEARANCES INCLUDING THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. NO PIPING OR DUCTWORK TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S AND MCC'S. PROVIDE PANS IF REQUIRED UNDER PIPING.
10. FIRE SEAL AROUND DUCT AND PIPING PENETRATIONS OF FIRE RATED WALLS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CAULKING AND SEALING ALL PENETRATIONS IN FIRE AND SMOKE RATED PARTITIONS TO MAINTAIN RATINGS. REFER TO SPECIFICATION.
11. PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
12. TRANSITION PIPING AND DUCTWORK SIZES TO MATCH THE SIZE OF EQUIPMENT CONNECTION.
13. REFER TO PLUMBING SERIES DRAWINGS FOR GAS PIPING.
14. ALL PIPE AND DUCT SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
15. FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.
16. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
17. MECHANICAL CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT IS PROVIDED AND INSTALLED WITH CLEARANCES PER MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL MAINTAIN PROPER SERVICE SPACE FOR COIL PULLS, BAS DEVICES, MAINTENANCE ACCESS, ETC.
18. LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD, INCLUDING, BUT NOT LIMITED TO, OFFSETS AND TRANSITIONS. NEW DUCTWORK, PIPING AND EQUIPMENT SHALL BE COORDINATED WITH STRUCTURE, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUIT, PLUMBING, MECHANICAL AND FIRE PROTECTION PIPING, MEDICAL GASES, ALL OTHER TRADES AND ALL OTHER EXISTING CONDITIONS TO AVOID INTERFERENCE IN THE FIELD.
19. THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
20. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
21. DETAILS REFERENCE ALL SHEETS.
22. INSTALL ALL PIPING AND DUCTWORK WITHOUT FORCING OR SPRINGING.
23. ROUTE DOMESTIC WATER, FIRE PROTECTION, SANITARY WASTE, ROOF DRAIN, CAMPUS CHILLED OR HOT WATER, AND ANY OTHER UTILITY SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFER TO CIVIL PLANS.
24. LOCATE VALVING, ACCESSORIES, AND EQUIPMENT IN ACCESSIBLE LOCATIONS. WHERE LOCATED ABOVE HARD CEILING PROVIDE AN ACCESS DOOR IN CEILING. MINIMUM ACCESS DOOR SIZE OF 24" X 24". COORDINATE EXACT LOCATION AND STYLE WITH ARCHITECT. EQUIPMENT SHALL BE LOCATED IN THE CEILING CAVITY SO IT CAN BE SAFELY SERVICED FROM SOMEONE STAND ON A LADDER PLACED BELOW THE CEILING ACCESS.
25. CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.

* NOTE *
ALL OF THE GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET.



KEY PLAN
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SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

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www.vbfa.com
VBFA Project #: 23643

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
St. George Regional Airport

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	MAJ	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

STATE OF UTAH
MICHAEL A. JOHNSON
NO. 9063837
PROFESSIONAL ENGINEER

12/15/23
NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: MAJ | CHECKED: JSW | APPROVED: JSW

PROJECT NUMBER: **10016873.00**

MECHANICAL GENERAL NOTES

M001

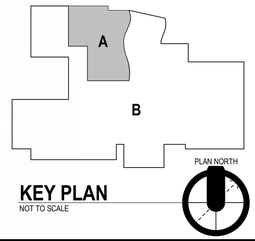
M001 MECHANICAL GENERAL NOTES 12/15/2023 5:16:10 PM Autodesk Docs://Jviation - SGU Hub/23843_St. George Airport Terminal Renovation_v22_MECH.rvt

KEYNOTES

1. REMOVE AND RELOCATE GRILLE INSIDE OF CEILING GRID AS REQUIRED. TYPICAL FOR ALL EXISTING CEILING GRILLES AND DIFFUSERS.
2. REMOVE DUCT IN THIS APPROXIMATE LOCATION. FIELD VERIFY. CAP DUCT AND REPAIR. WHERE APPLICABLE, PREPARE DUCT FOR NEW CONNECTION.
3. EXISTING SYSTEM TO HAVE AIRFLOW BALANCED ON ALL DIFFUSERS AND GRILLES ON (E)RTU-6. SEE SHEET M102 FOR NEW AIRFLOWS.
4. REMOVE EXISTING RETURN AIR GRILLE AND BRANCH DUCT BACK TO POINT OF REMOVAL.



1 LEVEL 4 HVAC DEMOLITION PLAN
1/4" = 1'-0"



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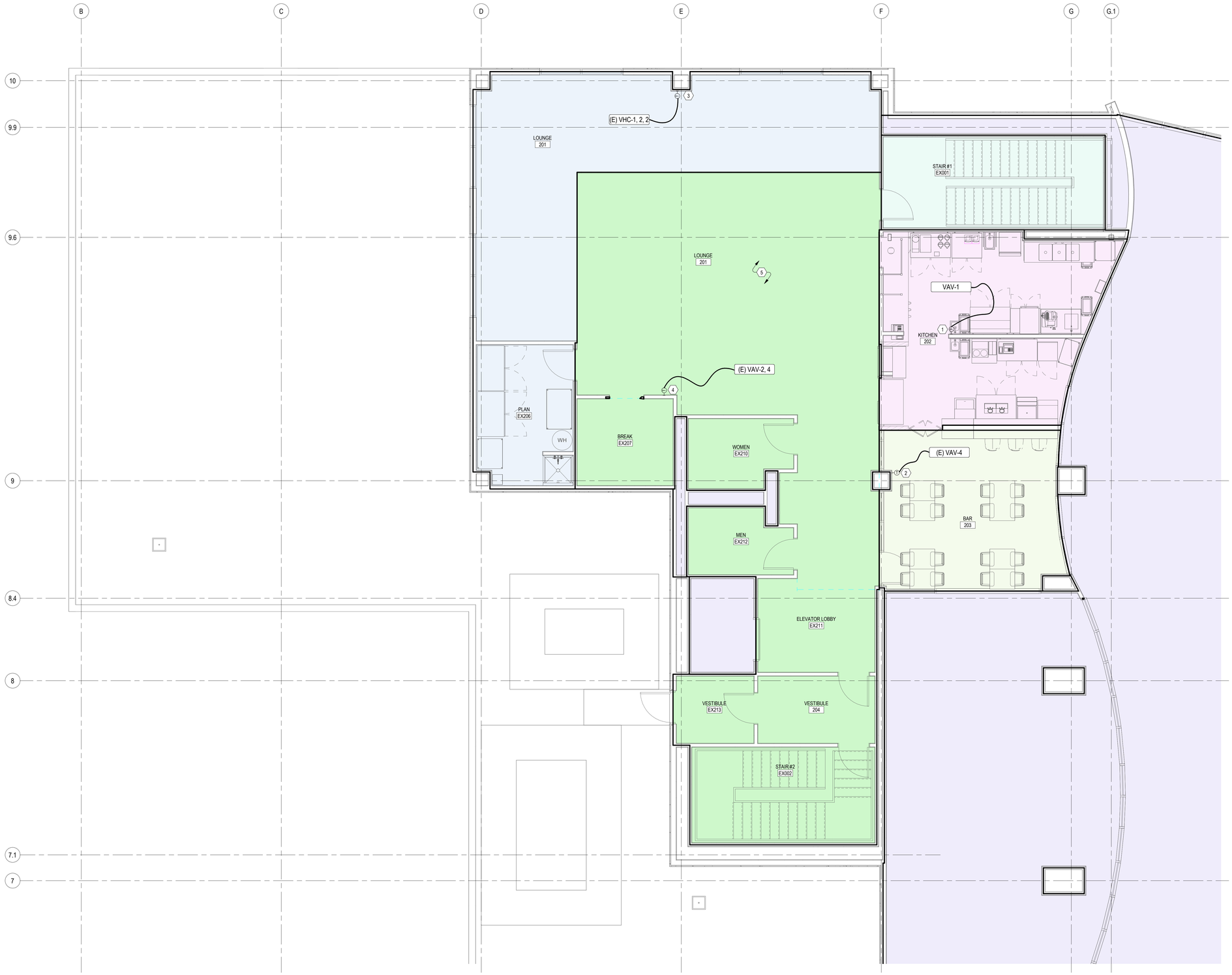
DRAWN: MAJ | CHECKED: JSW | APPROVED: JSW

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OVERALL SECOND FLOOR MECHANICAL DEMOLITION

MD102

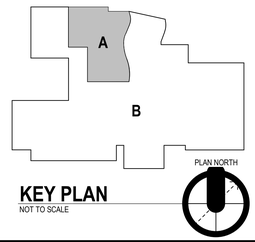
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12/15/2023 5:16:21 PM
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1 LEVEL 4 THERMAL ZONE DIAGRAM
1/4" = 1'-0"

KEYNOTES

1. RELOCATE EXISTING THERMOSTAT FROM THIS AREA TO NEW LOCATION SHOWN. TIE INTO VAV-1 AND RECONNECT INTO BUILDING CONTROLS SYSTEM. EXISTING VAV TERMINAL UNIT SEQUENCE TO BE MAINTAINED FOR NEW VAV TERMINAL UNIT.
2. RELOCATE EXISTING THERMOSTAT FROM THIS AREA TO NEW LOCATION SHOWN.
3. EXISTING THERMOSTAT TO BE REMOVED AND RELOCATED TO LOCATION SHOWN. ALL ELECTRIC HEATING ZONES TO BE FED FROM THIS THERMOSTAT. REMAINING 2 THERMOSTATS TO BE SALVAGED TO OWNER.
4. EXISTING THERMOSTAT TO BE REMOVED AND RELOCATED TO LOCATION SHOWN. COOLING ONLY ZONES IN THIS REGION TO BE FED FROM THIS THERMOSTAT. REMAINING THERMOSTAT TO BE SALVAGED TO OWNER.
5. ALL ZONES SHOWN ARE ASSOCIATED WITH RTU-6. REBALANCE RTU-6 TO AIRFLOWS SHOWN ON SHEET M102. RTU-6 AND ASSOCIATED ZONES TO MAINTAIN EXISTING SEQUENCES OF OPERATION.



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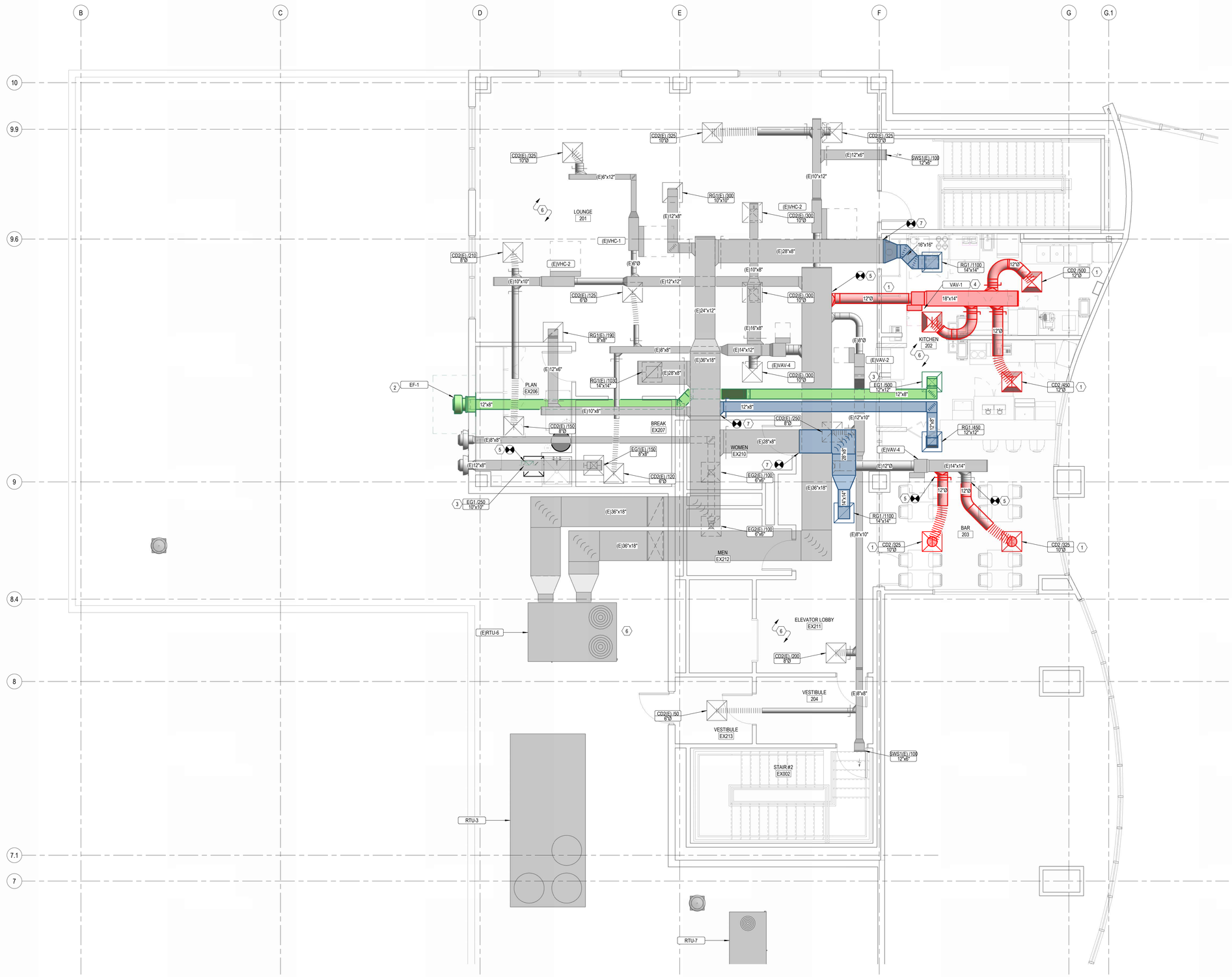
OVERALL SECOND FLOOR THERMAL ZONE

M012

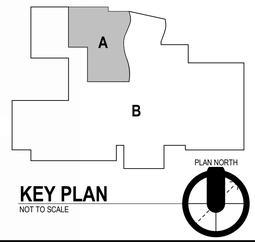
M012 OVERALL SECOND FLOOR THERMAL ZONE.dwg 12/15/2023 5:16:14 PM Autodesk Docs://jviation - SGU Hub/23643_St. George Airport Terminal Renovation_v22_MECH.rvt

KEYNOTES

1. PROVIDE NEW DIFFUSERS IN THIS APPROXIMATE LOCATION. FIELD VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS. BALANCE FULL SYSTEM TO AIRFLOW SHOWN FOR EACH GRILLE AND DIFFUSER ASSOCIATED WITH (E)RTU-6.
2. PROVIDE NEW SIDEWALL EXHAUST FAN SERVING KITCHEN. SEE SCHEDULES AND DETAILS.
3. PROVIDE NEW EXHAUST GRILLE IN THIS APPROXIMATE LOCATION. COORDINATE WITH ARCHITECTURAL PLANS. SEE SCHEDULES AND DETAILS.
4. PROVIDE NEW VAV TERMINAL BOX. UNIT TO BE COOLING ONLY. SEE SCHEDULES AND DETAILS.
5. TIE INTO EXISTING SYSTEM WITH NEW BRANCH DUCT IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT TIE-IN LOCATION.
6. PROVIDE FULL SYSTEM TEST AND BALANCE FOR NEW AND EXISTING SYSTEM ASSOCIATED WITH (E)RTU-6. REBALANCE AS NECESSARY TO ACHIEVE SPECIFIED AIRFLOWS.
7. PROVIDE NEW RETURN AIR DUCT CONNECTION IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION OF EXISTING RETURN DUCT.



1 LEVEL 2 HVAC PLAN
1/4" = 1'-0"



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PROJECT NUMBER: 10016873.00

OVERALL SECOND FLOOR HVAC PLAN

M102

M102 OVERALL SECOND FLOOR HVAC PLAN 12/15/2023 5:16:17 PM Autodesk Docs://Jviation - SGU Hub/23843_St. George Airport Terminal Renovation_v22_MECH.rvt

VARIABLE AIR VOLUME TERMINAL UNIT SCHEDULE

	ID	LOCATION NAME	LOCATION NO.	MANUFACTURER	MODEL NO.	NECK SIZE	TYPE	PRIMARY AIRFLOW MAX	PRIMARY AIRFLOW MIN	EXTERIOR ZONE	HEATING COIL DESCRIPTION	HEATING COIL CAP	HEATING COIL AIRSIDE DESIGN FLOW	HEATING COIL AIRSIDE EAT(db)	HEATING COIL AIRSIDE LAT(db)	HEATING ELEMENT QTY	HEATING ELEMENT POWER	HEATING ELEMENT SCR	NC	UNIT WEIGHT	FLA	MCA	MOCP	VOLT	PH	INTERLOCK ID	REMARKS
	VAV-1			TITUS	DESV	12"	SINGLE DUCT	1260 CFM	380 CFM	No									0	53 lb				120 V	1	RTU-6	NEW COOLING ONLY VAV TERMINAL UNIT
(E)	VAV-2			TITUS	DESV	8"	SINGLE DUCT	650 CFM	195 CFM	No									0	39 lb				120 V	1	RTU-6	EXISTING VAV TERMINAL UNIT
(E)	VAV-4			TITUS	DESV	12"	SINGLE DUCT	1260 CFM	380 CFM	No									0	53 lb				120 V	1	RTU-6	EXISTING VAV TERMINAL UNIT
(E)	VAV-4			TITUS	DESV	12"	SINGLE DUCT	1150 CFM	345 CFM	No									0	53 lb				120 V	1	RTU-6	EXISTING VAV TERMINAL UNIT
(E)	VHC-1			TITUS	DESV	6"	SINGLE DUCT	340 CFM	105 CFM	Yes	Electric Heat	14666 Btu/h	340 CFM	55.0 °F	95.0 °F	1	4.5 kW	Yes	0	65 lb	5.4 A	6.8 A	15.0 A	480 V	3	RTU-6	EXISTING VAV TERMINAL UNIT
(E)	VHC-2			TITUS	DESV	8"	SINGLE DUCT	500 CFM	150 CFM	Yes	Electric Heat	21567 Btu/h	500 CFM	55.0 °F	95.0 °F	1	6.5 kW	Yes	0	68 lb	7.8 A	9.8 A	15.0 A	480 V	3	RTU-6	EXISTING VAV TERMINAL UNIT
(E)	VHC-2			TITUS	DESV	8"	SINGLE DUCT	700 CFM	210 CFM	Yes	Electric Heat	30194 Btu/h	700 CFM	55.0 °F	95.0 °F	1	9.0 kW	Yes	0	68 lb	10.8 A	13.5 A	15.0 A	480 V	3	RTU-6	EXISTING VAV TERMINAL UNIT

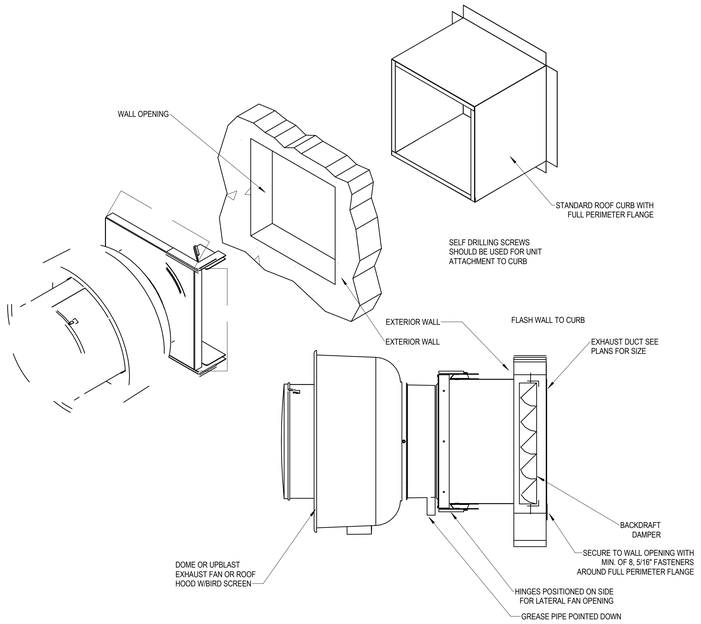
EXHAUST FAN SCHEDULE

NOTES:
1. .

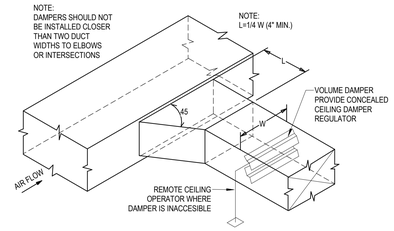
	ID	MANUFACTURER	MODEL NO.	TYPE	ARRANGEMENT	FAN AIRFLOW DESIGN	FAN AIRFLOW MIN	FAN PRESS ESP	FAN RPM	FAN DRIVE TYPE	MOTOR QTY	MOTOR BRAKE HP	MOTOR POWER	MOTOR RPM	MOTOR ECM	SOUND PRESS LEVEL (dBA)	UNIT WEIGHT	FLA	MCA	MOCP	VOLT	PH	FREQ	INTERLOCK ID	NOTES
	EF-1	GREENHECK	CUE-095-E	CENTRIFUGAL	SIDEWALL	500 CFM	500 CFM	0.60 in-wg	1642	DIRECT	1	0.12 hp	0.17 hp	1642	Yes	58	33 lb	2.8 A	3.5 A	15.0 A	115 V	1	60 Hz	RTU-6	

GRILLE, REGISTER, AND DIFFUSER SCHEDULE

ID	MANUFACTURER AND MODEL	Count	DESCRIPTION	IMAGE
CD2	TITUS TDC	4	STYLE: SQUARE MODULAR LOUVERED FACE DIFFUSER CONSTRUCTION: STEEL FINISH: SELECTED BY ARCHITECT MOUNTING: SURFACE OR LAY-IN BASED ON CEILING TYPE. PROVIDE FRAME TYPE 1 FOR SURFACE MOUNT AND FRAME TYPE 3 FOR LAY-IN. FACE SIZE: 24"X24", 18"X18", 15"X15", OR 12"X12" TO COORDINATE WITH CEILING. VERIFY FACE SIZE WITH ARCHITECT AND ENGINEER. CORE: REMOVABLE MAX NC: 25 DAMPER: NONE CONNECTION: ROUND OR RECTANGULAR OF SIZE SHOWN ON DRAWINGS. PROVIDE ADAPTER FITTINGS AS REQUIRED. APPLICATION: SUPPLY	
EG1	TITUS PAR	2	STYLE: SQUARE PERFORATED FACE CEILING GRILLE CONSTRUCTION: STEEL FINISH: SELECTED BY ARCHITECT MOUNTING: SURFACE OR LAY-IN BASED ON CEILING TYPE. PROVIDE FRAME TYPE 1 FOR SURFACE MOUNT AND FRAME TYPE 3 FOR LAY-IN. FACE SIZE: 48"X24", 24"X24", 24"X12", 20"X20", 18"X18", OR 12"X12" AS SHOWN ON PLANS. VERIFY FACE SIZE WITH ARCHITECT AND ENGINEER. MAX NC:25 DAMPER: NONE CONNECTION: ROUND OR RECTANGULAR OF SIZE SHOWN ON DRAWINGS. PROVIDE ADAPTER FITTINGS AS REQUIRED. APPLICATION: EXHAUST OR RELIEF MINIMUM FREE AREA: 50%	



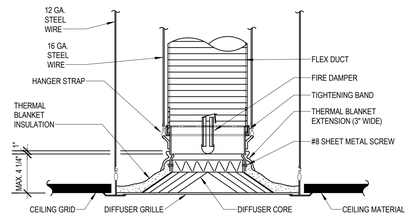
5 / M601 WALL MOUNTED DOMED EXHAUST FAN DETAIL
12" = 1'-0"



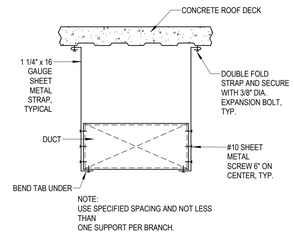
3 / M601 BRANCH DUCT TAKE-OFF WITH DAMPER DETAIL
12" = 1'-0"

1. OCCUPIED MODE OF THE ZONE CONTROLLER SHALL BE DETERMINED BY THE CENTRAL CONTROL. THE LOCAL DDC CONTROL LOOP SHALL MODULATE THE PRIMARY DAMPER ON VAV TERMINAL UNITS TO MAINTAIN THE VENTILATION MINIMUM CFM SET POINT.
2. WHEN THE SPACE TEMPERATURE IS EQUAL TO OR GREATER THAN THE COOLING TEMPERATURE SET POINT THE VAV BOX SHALL ENTER THE COOLING MODE. THE CONTROLLER SHALL RESET THE BOX CFM SET POINT FROM THE MINIMUM VENTILATION SET POINT TO THE COOLING MAXIMUM SET POINT.
3. ALL VAV AND CONSTANT VOLUME BOXES IN THE SYSTEM SHALL BE EQUIPPED WITH DISCHARGE AIR TEMPERATURE SENSORS AND THE BMS SHALL MONITOR AND DISPLAY THE DISCHARGE AIR TEMPERATURE.

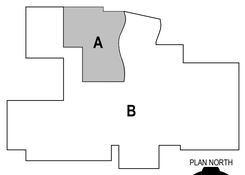
1 / M601 VAV COOLING ONLY DIAGRAM
12" = 1'-0"



4 / M601 FLEX DUCT SUPPLY DETAIL DETAIL
12" = 1'-0"



2 / M601 RECTANGULAR DUCT DETAIL
12" = 1'-0"



KEY PLAN
NOT TO SCALE

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

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VBFA Project #: 23643

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790
A PROJECT FOR:
St. George Regional Airport

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	MAJ	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

STATE OF UTAH
MICHAEL A. JOHNSON
NO. 9063837
PROFESSIONAL ENGINEER
12/15/23

NAME REG. NO. DATE
FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: MAJ | CHECKED: JSW | APPROVED: JSW

PROJECT NUMBER: **10016873.00**

MECHANICAL SCHEDULES AND DETAILS

M601

M601 MECHANICAL SCHEDULES AND DETAILS.rvt 12/15/2023 5:16:18 PM Autodesk Docs://Jviation - SGU Hub/23843_St. George Airport Terminal Renovation_v22_MECH.rvt

DATA SYMBOL SHEDULE

SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS
	DUAL OUTLET, DUAL PORT, FLOOR MOUNTED	FLOOR	
#▼	DATA OUTLET, ATTRIBUTE SIGNIFIES PORT QUANTITY	18"	
▼	DUAL DATA AND SINGLE TELEPHONE PORT	18"	

SECURITY SYMBOL SCHEDULE

SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS
CR	CARD READER		(11)
C	SECURITY CAMERA PTZ		(11)

ELECTRICAL SYMBOL SCHEDULE

SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS
	<varies>	18"	
	CONVENIENCE OUTLET, FLOOR	FLOOR	
	JUNCTION BOX FLOOR		(12)
	STANDARD CONVENIENCE OUTLET	18"	

FIRE ALARM SYMBOL SCHEDULE

SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS
	SMOKE DETECTOR	CEILING	(9) (11)
#▷	FIRE ALARM HORN STROBE, ATTRIBUTE SIGNIFIES CANDELA RATING	7'-6"	(9) (11)
F	FIRE ALARM PULL STATION	4'-0"	(9) (11)

EQUIPMENT SYMBOL SCHEDULE

SYMBOL	Schedule Description	MOUNTING	COMMENTS
	PANEL BOARD, SURFACE	6'-6" TO TOP	
	PANEL BOARD, SURFACE	6'-6" TO TOP	
	TRANSFORMER	SEE PLANS	
	MAIN POWER DISTRIBUTION PANEL		
	MECHANICAL/PLUMBING EQUIPMENT CALLOUT		
X-1	*KITCHEN EQUIP. CALLOUT*		
X	*KITCHEN EQUIP. CALLOUT, OR AS NOTED BY ARCH.*		
X	*LUMINAIRE TYPE*		
A X.X	*DIAGRAM/DETAIL CALLOUT*		
	HOME RUN TO PANEL		
	FUSE		
	GROUND/GROUND ROD		
	CIRCUIT BREAKER		

ABBREVIATIONS

A	*AMPS*	*ENT*	*ELECTRICAL NON-METAL TUBING*	*NL*	*NIGHT LIGHT, BYPASS*
AFC	*AVAILABLE FAULT CURRENT*	*ER*	*EXISTING TO BE RELOCATED*		*LOCAL SWITCHING*
AFF	*ABOVE FINISHED FLOOR*	*EX*	*EXISTING TO REMAIN*	*PC*	*PLUMBING CONTRACTOR*
AFG	*ABOVE FINISHED GRADE*	*FMC*	*FLEXIBLE METAL CONDUIT*	*POC*	*POINT OF CONNECTION*
AIC	*AMPS INTERRUPTING CAPACITY*	*GC*	*GENERAL CONTRACTOR*	*POS*	*POINT OF SALES*
		GEC	*GROUND ELECTRICAL CONDUCTOR AT SES*	*R*	*RELOCATED*
AWG	*AMERICAN WIRE GAUGE*			*RX*	*RECEIVER*
BC	*BARE COPPER*	*GFCI*	*GROUND FAULT CIRCUIT INTERRUPTER*	*RM*	*ROOF MOUNTED*
BFC	*BELOW FINISHED CEILING*			*RMC*	*RIGID METALLIC CONDUIT*
BFG	*BELOW FINISHED GRADE*	*GND*	*GROUND*	*RNC*	*RIGID NON-METALLIC CONDUIT*
C	*CONDUIT*	*IMC*	*INTERMEDIATE METAL CONDUIT*		
CND	*CONDUIT*	*IG*	*ISOLATED GROUND*	*SBJ*	*SYSTEM BONDING JUMPER*
CO	*CONDUIT ONLY*	*KCMIL*	*1000 CIRCULAR*	*SCA*	*SHORT CIRCUIT AMPERES*
CT	*CURRENT TRANSDUCER*	*MILS*	*(MCM)*	*TX*	*TRANSMITTER*
CU	*COPPER MATERIAL*	*LFMC*	*LIQUID-TIGHT FLEXIBALE METAL CONDUIT*	*TC*	*TEMPERATURE CONTROL CONTROLLER*
DED	*DEDICATED*				
DFA	*DROP FROM ABOVE*	*LFNC*	*LIQUID-TIGHT FLEXIBALE NON-METAL CONDUIT*	*UG*	*UNDERGROUND*
EC	*ELECTRICAL CONTRACTOR*			*UNO*	*UNLESS NOTED OTHERWISE*
EF	*EXHAUST FAN*	*MC*	*MECHANICAL CONTRACTOR*		
EM	*EMERGENCY/EGRESS*	*MCA*	*MINIMUM CIRCUIT AMPS*	*VA*	*VOLT/AMPS*
B	*BATTERY*	*N1*	*NEMA1*	*VIF*	*VERIFY IN FIELD*
EMT	*ELECTRICAL METALLIC TUBING*	*N3R*	*NEMA 3R*	*WP*	*WEATHERPROOF/NEMA 3R*
		N	*NEW*	*XP*	*EXPLOSION PROOF*
				XR	*EXISTING TO BE REMOVED*

NOTES

(1) SEE LUMINAIRE SCHEDULE FOR FIXTURE TYPES AND DETAILS.
(2) SEE LUMINAIRE SCHEDULE FOR MOUNTING REQUIREMENTS.
(3) WIRE LIGHT FIXTURE FROM ADJACENT J-BOX.
(4) CONNECT NEAREST UN-SWITCHED HOT CONDUCTOR TO EMERGENCY BALLAST.
(5) DIRECTIONAL ARROWS INDICATE REQUIRED CHEVRONS.
(6) COORDINATE FINAL MOUNTING HEIGHT WITH ARCHITECTURAL INTERIOR ELEVATIONS AND APPROVED MILLWORK SHOP DRAWINGS.
(7) USE WITH POWER PACK.
(8) "X" IN SYMBOL IS INCHES BETWEEN RECEPTACLE ALONG WIREWAY. SEE DRAWINGS.
(9) PROVIDE UL LISTED DEVICE COMPATIBLE WITH THE FIRE ALARM PANEL/SYSTEM.
(10) MATCH THE VOLTAGE OF THE RELAY WITH THAT OF THE CONTROLLING CIRCUIT.
(11) USE A 4" X 4" BOX WITH A MUD RING TO MATCH THE DEVICE AND INSTALLATION.
(12) PROVIDE MUD RING AND/OR BOX COVER APPROPRIATE FOR DEVICES/FIXTURE SERVED.
(13) USE HEAVY DUTY DEVICE FOR 480 VOLT.
(14) SIZE TO THE EQUIPMENT BEING CONTROLLED.
(15) FIRE ALARM PANELS: FACP: FIRE ALARM CONTROL PANEL, NAC: NOTIFICATION APPLIANCE CIRCUIT PANEL, ANNUN: GRAPHIC ANNUNCIATOR PANEL, AND SES: SMOKE EVACUATION SYSTEM PANEL.
(16) LIGHT FIXTURES ARE SCALED WITHIN THE DRAWINGS BASED ON ACTUAL DIMENSIONS.

GENERAL NOTES

1. THE ELECTRICAL SYSTEMS DEFINED BY THESE PLANS AND SPECIFICATIONS ARE TO BE CONSTRUCTED AS COMPLETE AND OPERABLE SYSTEMS AND SHALL BE BID WITH THIS INTENT. THE CONTRACTOR SHALL VISIT THE SITE, READ ALL THE RELEVANT DOCUMENTS AND BECOME FAMILIAR WITH THE TYPE OF CONSTRUCTION AND WORK TO BE ACCOMPLISHED. SHOULD ANY ERROR, OMISSION OR CONFLICT EXIST IN EITHER THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING BEFORE SUBMITTING HIS BID PRICE SO A CHANGE CAN BE ISSUED IN A PRE-BID ADDENDUM. OTHERWISE, THE CONTRACTOR AND/OR EQUIPMENT SUPPLIER SHALL SUPPLY THE PROPER MATERIALS AND LABOR TO INSTALL COMPLETE AND OPERABLE SYSTEMS AT THEIR OWN EXPENSE. WHEN EACH ELECTRICAL SYSTEM IS COMPLETE, THE CONTRACTOR SHALL TEST AND CONFIRM IT'S PROPER OPERATION. ANY INCOMPLETE SYSTEM SHALL BE MADE COMPLETE AND OPERABLE.
2. THE ARCHITECTURAL AND MECHANICAL PLANS ARE CONSIDERED A PART OF THE ELECTRICAL DOCUMENTS SO FAR AS ANY ELECTRICAL ITEMS THEY MAY CONTAIN. THE ELECTRICAL CONTRACTOR SHALL REFER TO AND COORDINATE WITH THEM. NO EXTRA COST SHALL BE ALLOWED FOR FAILURE TO COORDINATE THE CONTRACT DOCUMENTS WITH OTHER TRADES AND/OR IF EQUIPMENT DIMENSIONS ARE GREATER THAN SPECIFIED AND/OR DIMENSIONED ON THE PLANS.
3. NO ADDITIONS TO THE CONTRACTOR BID WILL BE ALLOWED FOR CHANGES MADE NECESSARY BY INTERFERENCE WITH OTHER WORK.
4. THE ELECTRICAL CONTRACTOR SHALL PROVIDE EQUIPMENT, MATERIALS AND LABOR FOR THE CONNECTIONS OF ALL EQUIPMENT SHOWN ON THE PLANS - ARCHITECTURAL, MECHANICAL, ETC.
5. THIS PROJECT IS TO BE INSTALLED IN STRICT ACCORDANCE WITH LOCAL AND STATE CODES AND THE NEC. IF AT ANY TIME DURING CONSTRUCTION, OR AFTER, SOMETHING IS FOUND TO BE INSTALLED IN VIOLATION OF THE CODES LISTED ABOVE, IT SHALL BE CORRECTED AT THE CONTRACTORS EXPENSE.
6. ALL EQUIPMENT PROVIDED BY THE ELECTRICAL CONTRACTOR SHALL BE LISTED AND LABELED BY A NATIONALLY RECOGNIZED TESTING AGENCY, ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION, AND BE PROPERLY INSTALLED FOR THE CONDITIONS AND SPACE THAT EQUIPMENT IS BEING INSTALLED WITHIN.
7. THE ELECTRICAL CONTRACTOR SHALL COORDINATE AND CONFIRM THE EXACT LOCATION OF THE POWER PANELS FROM WHICH NEW CIRCUITS ARE BEING FED FROM. VERIFY EXISTING BRANCH CIRCUIT BREAKERS AND PROVIDE NEW BREAKERS AS NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM.
8. THE ELECTRICAL CONTRACTOR SHALL COORDINATE AND CONFIRM THE EXACT LOCATION OF THE TELE/DATA ROOM FROM WHICH NEW TELE/DATA OUTLETS WILL BE FED FROM. VERIFY EXISTING PATCH PANEL SPACES AND PROVIDE NEW PATCH PANELS AS NECESSARY TO LAND ALL NEW TELE/DATA CABLING.
9. THE ELECTRICAL CONTRACTOR SHALL INSTALL A SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN EACH CONDUIT RUN. CONDUIT SHALL NOT BE USED AS AN EQUIPMENT GROUNDING CONDUCTOR. THE ELECTRICAL CONTRACTOR SHALL GROUND THE ELECTRICAL SYSTEM IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.
10. THE ELECTRICAL CONTRACTOR SHALL CONFIRM MINIMUM CODE (NEC) WORKING CLEARANCE BEFORE INSTALLING ANY ELECTRICAL PANELS OR CABINETS AND SHALL MOVE THE PANELS AT HIS EXPENSE IF REJECTED BY AN INSPECTOR. IF CLEARANCE IS NOT POSSIBLE, THE DESIGNER SHALL BE NOTIFIED IMMEDIATELY IN WRITING.
11. CONDUIT LAYOUTS SHOWN ON THE PLANS ARE DIAGRAMATIC, NOT INDICATING THE ROUTING REQUIRED. THE EC SHALL ROUTE THE CONDUITS AS REQUIRED BY THE CONDITIONS OF THE INSTALLATION AND SHALL COORDINATE WITH DUCTWORK, PIPING, EQUIPMENT, BUILDING STRUCTURE AND OTHER POTENTIAL OBSTRUCTIONS.
12. THE CONTRACTOR SHALL ALLOW THE MOVEMENT, BEFORE ROUGH-IN, OF ANY ELECTRICAL PANEL, DEVICE, LUMINAIRE, ETC. A DISTANCE OF 10 FEET WITHOUT REQUIRING ADDITIONAL COST TO THE PROJECT.
13. THE ELECTRICAL CONTRACTOR SHALL SECURE ALL CONDUIT TO THE STRUCTURE AS IT IS SET IN PLACE USING INDUSTRY STANDARD METHODS AND PRACTICES.
14. MINIMUM SIZE CONDUIT SHALL BE 3/4", ABOVE GROUND CONDUIT SHALL BE EMT WITH STEEL SET SCREW FITTINGS. UNDERGROUND CONDUIT SHALL BE PVC (SCH40) WITH GRC ELBOWS AND RISERS WRAPPED IN CORROSION RESISTANT MATERIALS WHERE IN DIRECT CONTACT WITH THE SOIL.
15. FLEXIBLE CONDUIT SHALL BE LIMITED TO CONNECTIONS TO LIGHT FIXTURES AND FINAL CONNECTIONS TO MOTORS OR OTHER EQUIPMENT SUBJECT TO VIBRATION. LENGTHS OF FLEXIBLE OR SEALTITE CONDUIT SHALL NOT BE GREATER THAN 72" INCHES.
16. WIRING DEVICES SHALL MATCH EXISTING COLOR AND FACEPLATE TYPE.
17. TO ASSURE ALL DEVICES ARE RIGIDLY SET, THE ELECTRICAL CONTRACTOR SHALL SECURE ALL DEVICE BOXES WITH BRACKETS, HANGERS, ETC. DESIGNED FOR THE APPLICATION. ANY DEVICE BOXES NOT SECURED WILL BE MADE SECURE AT THE CONTRACTORS EXPENSE.
18. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL EMPTY CONDUITS WITH 200LB RATED NYLON PULL CORD.
19. BEFORE ANY ELECTRICAL CONDUIT, BOXES, ETC. ARE COVERED (FLOOR, CEILINGS, WALLS, ETC.), THEY SHALL BE APPROVED BY THE INSPECTING OFFICER (INSPECTOR). THE UNCOVERING AND REPLACEMENT OF ELECTRICAL WORK FOR THE INSPECTION PURPOSES WILL BE AT THE COST OF THE ELECTRICAL CONTRACTOR.
20. ALL BATTERY POWERED OR CONTINUOUS BURN LUMINAIRES SHOWN ON THE PLANS, SUCH AS EXIT LIGHTS, NIGHT LIGHTS, OR EMERGENCY LIGHTS, SHALL BE CONNECTED TO THE UN-SWITCHED LEG OF THE LIGHTING CIRCUIT FEEDING THAT AREA.
21. LUMINAIRES INSTALLED IN THE MECHANICAL ROOM SHALL BE PLACED SO THAT ALL EQUIPMENT IS ADEQUATELY ILLUMINATED AFTER THE MECHANICAL EQUIPMENT IS IN PLACE.
22. ALL LUMINAIRES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE AND NOT SOLELY FROM THE CEILING GRID OR OTHER NONSTRUCTURAL MEMBER.
23. TO MAINTAIN CONSISTENT LIGHT QUALITY, FOR ANY ONE LAMP TYPE SUPPLIED, LAMPS SHALL BE OF THE SAME MANUFACTURE, SURFACE TEMPERATURE, COLOR RENDERING INDEX, LAMP EFFICACY, LUMEN OUTPUT AND STARTING CHARACTERISTICS FOR ALL INSTALLED.
24. WHERE WIRE SIZE IS NOT SHOWN ON THE DRAWINGS FOR 20A, 120/277VAC BRANCH CIRCUITS, THE CIRCUIT SHALL CONSIST OF 2#12(CU,THHN)+1#12(CU,THHN)GND IN 3/4" EMT CONDUIT. THIS WIRE SIZE SHALL BE INCREASED TO #10(CU,THHN) FOR 120VAC BRANCH CIRCUITS WITH OVERALL LENGTHS EXCEEDING 125' TO ACCOMMODATE FOR VOLTAGE DROP. REFER TO EQUIPMENT SCHEDULES, FEEDER SCHEDULES AND NOTES ON DRAWINGS FOR ALL OTHER BRANCH CIRCUIT AND FEEDER WIRE/CONDUIT SIZING.
25. CONDUCTORS SHALL BE COPPER, 600VAC RATED, TYPE THHN/THWN-2 UNLESS OTHERWISE NOTED. CONDUCTORS SIZES UP TO #10AWG SHALL BE SOLID AND #8AWG AND LARGER SHALL BE STRANDED.
26. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH EQUIPMENT SUPPLIERS ON THE EXACT LOCATIONS OF ALL EQUIPMENT AND ELECTRICAL CONNECTIONS, WIRES, AND OVERCURRENT PROTECTION PRIOR TO ROUGH-IN. THE ELECTRICAL CONTRACTOR SHALL MAKE THE FINAL CONNECTION TO ALL EQUIPMENT UNLESS OTHERWISE DIRECTED BY THE EQUIPMENT SUPPLIER.
27. THE ELECTRICAL CONTRACTOR SHALL CLEAN THE ENTIRE ELECTRICAL SYSTEM AFTER COMPLETION OF THE INSTALLATION. REMOVE ALL FINGER PRINTS, FOREIGN MATTER, PAINT, DIRT, GREASE, UN-NEEDED LABELS OR STICKERS FROM FIXTURES AND EQUIPMENT. REMOVE ALL RUBBISH AND DEBRIS ACCUMULATED DURING INSTALLATION FROM THE PREMISES.
28. OBTAIN FROM SUPPLIERS ALL WIRING DIAGRAMS FOR EQUIPMENT PRIOR TO ANY ROUGH-IN. TO ASSURE THAT PROPER CHARACTERISTICS ARE PROVIDED, ANY INCORRECT WIRING OR DEVICES INSTALLED BY THE ELECTRICAL CONTRACTOR WITHOUT THE WIRING DIAGRAM SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. PROVIDE COPIES OF WIRING DIAGRAMS WITHIN EACH PIECE OF EQUIPMENT AND ADDITIONAL COPIES WITH THE OPERATION AND MAINTENANCE MANUALS.
29. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR TO PROVIDE CONDUIT AND DEVICE MOUNTING BOXES FOR THERMOSTATS AND OTHER MECHANICAL CONTROLS.
30. IT IS THE INTENT OF THE CONSTRUCTION DOCUMENTS FOR ALL DEVICES TO BE FLUSH MOUNTED AND CONDUIT/CABLING INSTALLED CONCEALED WITHIN WALLS/CEILINGS. IN AREAS WHERE CONDUIT MUST BE INSTALLED EXPOSED IT SHALL BE COORDINATED WITH THE ARCHITECT AND/OR ENGINEER. ALL EFFORTS SHALL BE MADE TO CONCEAL WIRING METHODS.
31. PROVIDE AN UPDATED, TYPED PANEL CIRCUIT DIRECTORY FOR ALL PANELS WHERE CIRCUITS HAVE BEEN MODIFIED, ADDED, OR REMOVED BY THE SCOPE OF THIS PROJECT. CIRCUIT DESCRIPTIONS ON THE DIRECTORY SHALL BE UNIQUE AND INDICATE THE ROOM AND EQUIPMENT/DEVICE IT IS FEEDING. DATE DIRECTORY WITH PROJECT COMPLETION DATE. MODIFIED CIRCUITS TO BE IN BOLD.
32. SUBMIT A SCALED LAYOUT (1/4" = 1') OF ALL ELECTRICAL ROOMS BASED ON THE ELECTRICAL GEAR AND EQUIPMENT SUBMITTALS.
33. PROVIDE A CLEAR, TYPED LABEL ON THE FACEPLATE OF ALL RECEPTACLES AND LIGHT SWITCHES INDICATING THE CIRCUIT IT IS TIED TO. USE LABELING CONVENTION XX-xx, WHERE "XX" IS THE NAME OF THE PANEL AND "xx" IS THE BRANCH CIRCUIT NUMBER. LABELS LENGTH SHALL NOT EXCEED 1/4" ON EITHER SIDE OF TEXT.
34. FUSED DISCONNECTS TO BE HEAVY DUTY.
35. ALL TELECOMMUNICATIONS WIRING SHALL BE INSTALLED WITHIN CONDUIT UNLESS INSTALLED ABOVE ACCESSIBLE CEILINGS. MINIMUM CONDUIT SIZE FOR TELECOMMUNICATIONS CABLING SHALL BE 1-1/4" EMT, UNLESS OTHERWISE NOTED.

ELECTRICAL SHEET INDEX

EG001	ELECTRICAL NOTES & SYMBOLS
EG501	ELECTRICAL DETAILS
EG601	ELECTRICAL SCHEDULES
EG701	ONE LINE DIAGRAM
ED101	LEVEL 2 LIGHTING DEMOLITION PLAN
ED102	LEVEL 2 POWER DEMOLITION PLAN
EL101	LEVEL 2 LIGHTING PLAN
EP101	LEVEL 2 POWER PLAN

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

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VBFA Project #: 23643

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
St. George Regional Airport

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	LW	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

LICENSED PROFESSIONAL ENGINEER
Lewis Wong
No. 9075170
12/15/23
STATE OF UTAH

12/15/23
NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

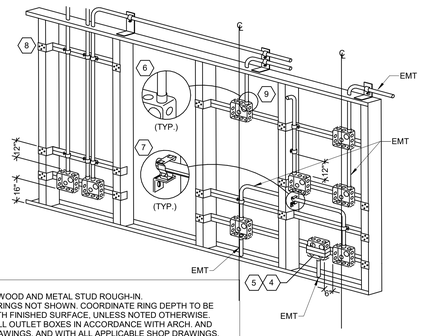
DRAWN: AC | CHECKED: RM | APPROVED: LW

PROJECT NUMBER: **10016873.00**

ELECTRICAL NOTES & SYMBOLS

EG001

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EG001 ELECTRICAL NOTES & SYMBOLS 12/15/2023 2:25:27 PM



NOTES:
1. TYP. FOR WOOD AND METAL STUD ROUGH-IN.
2. PLASTER RINGS NOT SHOWN. COORDINATE RING DEPTH TO BE FLUSH WITH FINISHED SURFACE, UNLESS NOTED OTHERWISE.
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCH. AND MECH. DRAWINGS, AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. OUTLET BOXES ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACEMUST BE SEPARATED BY A MIN. OF 6" HORIZONTAL DISTANCE.
5. ELECTRICAL BOXES INSTALLED IN FIRE RESISTANT WALLS OR PARTITIONS SHALL COMPLY WITH IBC 714.3.2.
6. INSULATED THROAT EMT CONNECTOR.
7. CADDY FASTENER, THROUGH STUD CABLE/CONDUIT SUPPORT 'FB12P'.
8. ADJUSTABLE BAR HANGER.
9. TYPICAL DEVICE JUNCTION BOX.

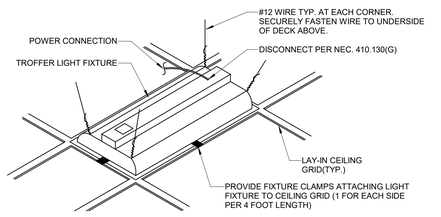
1 ROUGH-IN DETAIL
SCALE: NO SCALE

LIGHTING CONTROL SYSTEM BASIS OF DESIGN:

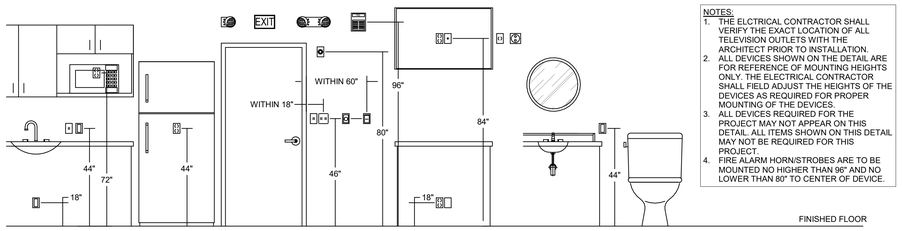
1. THE DESIGNED LIGHTING CONTROL SYSTEM INCLUDES BOTH LOW VOLTAGE AND LINE VOLTAGE SYSTEMS.
2. PROVIDE A NETWORKED LOW-VOLTAGE LIGHTING CONTROL SYSTEM AS SPECIFIED IN SECTION 26 0943 NETWORKED PERFORMANCE LIGHTING CONTROLS OR APPROVED EQUAL. BASIS OF DESIGN IS HUBBELL CONTROL SOLUTIONS NX NETWORKED DIGITAL DISTRIBUTED INTELLIGENT SYSTEM USING ROOM CONTROLLERS, AREA CONTROLLERS, TIME CLOCK SETTINGS , OCC/VAC SENSORS AND SHALL BE INSTALLED WHERE SHOWN ON DRAWINGS AND IN THE FOLLOWING ROOMS AND AREAS:
   PANTERY
   BAR/KITCHEN

2 BASIS OF DESIGN
SCALE: NO SCALE

3 SINGLE RELAY ROOM CONTROLLER W/ DIMMING
SCALE: NO SCALE

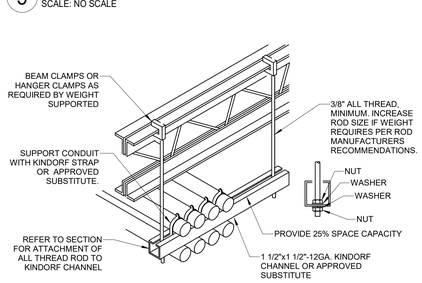


4 RECESSED FIXTURE MOUNTING DIAGRAM
SCALE: NO SCALE

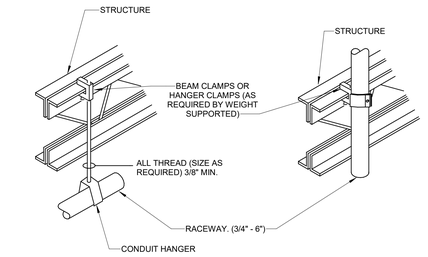


NOTES:
1. THE ELCTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL TELEVISION OUTLETS WITH THE ARCHITECT PRIOR TO INSTALLATION.
2. ALL DEVICES SHOWN ON THE DETAIL ARE FOR REFERENCE OF MOUNTING HEIGHTS ONLY. THE ELECTRICAL CONTRACTOR SHALL FIELD ADJUST THE HEIGHTS OF THE DEVICES AS REQUIRED FOR PROPER MOUNTING OF THE DEVICES.
3. ALL DEVICES REQUIRED FOR THE PROJECT MAY NOT APPEAR ON THIS DETAIL. ALL ITEMS SHOWN ON THIS DETAIL MAY NOT BE REQUIRED FOR THIS PROJECT.
4. FIRE ALARM HORN/STROBES ARE TO BE MOUNTED NO HIGHER THAN 96" AND NO LOWER THAN 80" TO CENTER OF DEVICE.

5 MOUNTING HEIGHT DETAIL
SCALE: NO SCALE

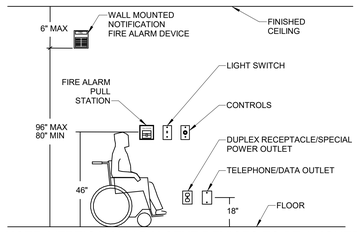


6 TRAPEZE SUPPORT DETAIL
SCALE: NO SCALE



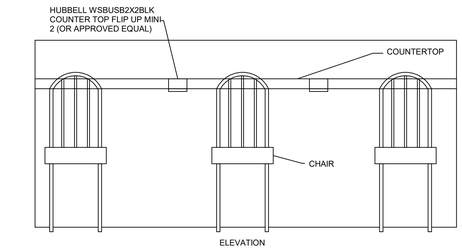
NOTES:
1. WIRE SHALL NOT BE USED AS A COMPONENT OF ANY RACEWAY HANGER SYSTEM.
2. DO NOT NOT SUPPORT ANY RACEWAY LARGER THAN 1" FROM BOTTOM CHORD OF STEEL TRUSSES.

7 RACEWAY SUPPORT METHODS DIAGRAM
SCALE: NO SCALE

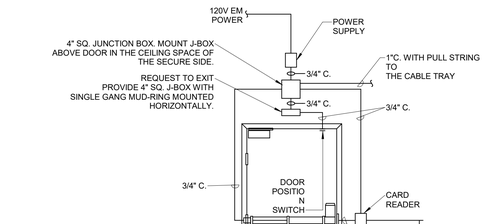


NOTE: VERTICALLY ADJACENT DEVICES TO BE ALIGNED.

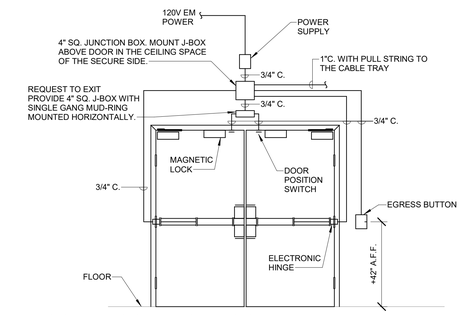
8 DISABILITY MOUNTING HEIGHT DETAIL
SCALE: NO SCALE



9 RECEPTACLE UNDER COUNTER DETAIL
SCALE: NO SCALE



10 ACCESS CONTROL DOOR ROUGH-IN - SINGLE DOOR_CARD READER
SCALE: NO SCALE



11 ACCESS CONTROL DOOR ROUGH-IN DETAIL_DOUBLE DOOR_EGRESS
SCALE: NO SCALE

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

181 East 5600 South
Murray, Utah 84107
O: (801)530-3148
www.vbfa.com
VBFA Project #: 23643

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
St. George Regional Airport

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	LW	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

LICENSED PROFESSIONAL ENGINEER
Lewis Wong
No. 9075170
12/15/23
STATE OF UTAH

12/15/23

NAME | REG. NO. | DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: AC | CHECKED: RM | APPROVED: LW

PROJECT NUMBER: 10016873.00

ELECTRICAL DETAILS

EG501

Autodesk Docs://Jviation - SGU Hub23843_St. George Airport Terminal Renovation_v22_ELEC.rvt
12/15/2023 2:25:28 PM
EG501 ELECTRICAL DETAILS

Branch Panel: L1QA (EX)

Location: ELECTRICAL EX130 | **Volts:** 480Y/277 | **A.I.C. Rating:** 35,000 AMPS SYMMETRICAL
Supply From: | **Phases:** 3 | **Mains Type:** MAIN CB
Mounting: SURFACE | **Wires:** 4 | **Mains Rating:** 800.0 A
Enclosure: NEMA1 | **MCB Rating:** 800.0 A

CKT	Circuit Description	Code	BRK	P	Size	A	B	C	Size	P	BRK	Code	Circuit Description	CKT
1						31104 3096								2
3	RTU-1	EX	225 A	3			31104 3096			3	20 A	EX	VHC-1, VH-2, VHC-2	4
5								31104 3096						6
7						31104 2088								8
9	RTU-2	EX	250 A	3			31104 2088			3	20 A	EX	CONVEYOR MCP-2	10
11								31104 2088						12
13						31104 4320								14
15	RTU-3	EX	225 A	3			31104 4320			3	30 A	EX	WH-1	16
17								31104 4320						18
19						2880 --				1	--		SPACE	20
21	VHC-2, VHC-3, 12KW	EX	20 A	3			2880 --			1	--		SPACE	22
23								2880 --		1	--		SPACE	24
25						2160 --				1	--		SPACE	26
27	RTU-7	EX	20 A	3			2160 --			1	--		SPACE	28
29								2160 --		1	--		SPACE	30
31						2160 5400								32
33	AC-1	EX	20 A	3			2160 5400			3	60 A	EX	ELEVATOR 20HP MTR	34
35								2160 5400						36
37						18000 16440								38
39	TL1LA	EX	150 A	3			18000 21280			3	70 A		**TL2A (EX)**	40
41								18000 14779						42
			Total Load:			149856 VA	154696 VA	148192 VA						
			Total Amps:			541.9 A	559.4 A	535.0 A						

Code:

1 = See Drawings For Conduit & Conductor Sizes | 2 = Shunt-Trip Breaker
3 = Subfeed Breaker | 4 = Provide Lock Off Device
5= GFCI Breaker | 6 = GFEP Breaker

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Kitchen Equipment	33592 VA	65.00%	21835 VA		
Motor	15336 VA	124.45%	19086 VA	**Total Conn. Load:**	452744 VA
Receptacle	3283 VA	100.00%	3283 VA	**Total Est. Demand:**	444737 VA
Spare	400548 VA	100.00%	400548 VA	**Total Conn.:**	544.6 A
				Total Est. Demand:	534.9 A

Notes:

Branch Panel: L2LA

Location: BREAK EX207 | **Volts:** 208Y/120 | **A.I.C. Rating:** 10,000 AMPS SYMMETRICAL
Supply From: TL2A | **Phases:** 3 | **Mains Type:** MLO
Mounting: RECESSED | **Wires:** 4 | **Mains Rating:** 125.0 A
Enclosure: NEMA1

CKT	Circuit Description	Code	BRK	P	Size	A	B	C	Size	P	BRK	Code	Circuit Description	CKT
1	P.O.S. REGISTER		20 A	1	12	1000 1800			12	1	20 A		BLENDER	2
3	GRAB N' GO DISP. CASE		20 A	1	12		960 1800		12	1	20 A		BLENDER	4
5	SLIDING GLS DOOR PEPSI CASE		20 A	1	12			840 1176	12	1	20 A		36" WORK TOP FREEZER	6
7	BAR RCPTS		20 A	1	12	540 696			12	1	20 A		36" WORK TOP REFRIGERATOR	8
9	LOW TEMP GLS WASHER		20 A	1	12		2000 2912		12	2	20 A		COUNTERTOP HIGH-SPEED OVEN	10
11	60" DRAFT BEER COOLER		20 A	1	12			180 2912						12
13	GLASS FROSTER		20 A	1	12	528 1176			12	1	20 A		SLICER	14
15	KITCHEN RCPT		20 A	1	12		540 180		12	1	20 A		VECTOR FLY LIGHT	16
17	60" MONITOR/TV		20 A	1	12			180 1176	12	1	20 A		2 DOOR REACH-IN REFRIGERATOR	18
19	48" BAR BACK COOLER		20 A	1	12	1176 864			12	1	20 A		2 DOOR REACH-IN FREEZER	20
21	P.O.S. REGISTER		20 A	1	12		1000 180		12	1	20 A		WATER HEATER PUMP	22
23	MULTI-HOPPER COFFEE GRINDER		20 A	1	12			780 720	12	1	20 A		ICE MAKER RECEPTACLE	24
25	COFFEE BREWER		20 A	2	12	2652 180			12	1	20 A		P.O.S. TICKET PRINTER	26
27							2652 1176		12	1	20 A		48" WORK TOP REFRIGERATOR	28
29	42" MONITOR		20 A	1	12			540 5000						30
31	ESPRESSO GRINDER		20 A	1	12	360 5000			10	3	20 A		WH-1	32
33	ESPRESSO MACHINE		20 A	1	12		2160 5000							34
35	48" WORK TOP REFRIGERATOR		20 A	1	12			1176 168		2	20 A		EF-1	36
37	DOOR ACCESS CONTROL		20 A	1		300 168								38
39	SEATING AREA RECEPTACLE		20 A	1			720 0			1	20 A		SPARE	40
41	SPARE		20 A	1				0 0		1	20 A		SPARE	42
			Total Load:			16440 VA	21280 VA	14779 VA						
			Total Amps:			139.1 A	179.5 A	123.2 A						

Code:

1 = See Drawings For Conduit & Conductor Sizes | 2 = Shunt-Trip Breaker
3 = Subfeed Breaker | 4 = Provide Lock Off Device
5= GFCI Breaker | 6 = GFEP Breaker

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Kitchen Equipment	33592 VA	65.00%	21835 VA		
Motor	15336 VA	124.45%	19086 VA	**Total Conn. Load:**	52497 VA
Receptacle	3283 VA	100.00%	3283 VA	**Total Est. Demand:**	44490 VA
Spare	300 VA	100.00%	300 VA	**Total Conn.:**	145.7 A
				Total Est. Demand:	123.5 A

Notes:

KITCHEN EQUIPMENT SCHEDULE

TYPE	DESCRIPTION	ELECTRICAL VOLT	PHASE	LOAD	FLA	WIRE SETS	WIRE QTY	WIRE SIZE	WIRE GND	COND SIZE	OVER CURRENT PROTECTION OCPD/ MOCP	TYPE	REMARKS
1	SLIDING GLASS DOOR PEPSI COOLER	120	1	7.00 FLA	7.0	1	2	12	12	3/4	20	C1	6 A -
2	GRAB N GO DISPLAY CASE	120	1	0.96 KW	8.0	1	2	12	12	3/4	20	C1	6 A -
4	36" WORK TOP FREEZER	120	1	0.33 HP	9.8	1	2	12	12	3/4	20	C1	6 A -
5	36" WORK TOP REFRIGERATOR	120	1	0.25 HP	5.8	1	2	12	12	3/4	20	C1	6 A -
6	48" WORK TOP REFRIGERATOR	120	1	0.33 HP	9.8	1	2	12	12	3/4	20	C1	6 A -
7	48" FOOD-PREP REFRIGERATOR	120	1	0.50 HP	9.8	1	2	12	12	3/4	20	C1	6 A -
8	2 DOOR REACH-IN REFRIGERATOR	120	1	0.50 HP	9.8	1	2	12	12	3/4	20	C1	6 A -
9	2-DOOR REACH-IN FREEZER	120	1	0.29 HP	7.2	1	2	12	12	3/4	20	C1	6 A -
11	60" DRAFT BEER COOLER	120	1	2.00 FLA	2.0	1	2	12	12	3/4	20	C1	6 A -
13	48" BAR BACK COOLER W/CASTERS	120	1	0.43 HP	9.8	1	2	12	12	3/4	20	C1	6 A -
16	ICE MAKER	120	1	6.00 FLA	6.0	1	2	12	12	3/4	20	C1	6 A -
18	COUNTERTOP HIGH-SPEED OVEN	208	1	28.00 FLA	28.0	1	2	10	10	3/4	30	C1	6 A -
19	BLENDER	120	1	15.00 FLA	15.0	1	2	12	12	3/4	20	C1	6 A -
20	VECTOR FLY LIGHT	120	1	1.00 FLA	1.0	1	2	12	12	3/4	20	C1	6 A -
24	COFFEE BREWER	208	1	25.50 FLA	25.5	1	2	8	10	3/4	35	C1	6 A -
25	ESPRESSO MACHINE	120	1	18.00 FLA	18.0	1	2	12	12	3/4	20	C1	6 A -
26	ESPRESSO GRINDER	120	1	0.36 KW	3.0	1	2	12	12	3/4	20	C1	6 A -
27	MULTI-HOPPER COFFEE GRINDER	120	1	6.50 FLA	6.5	1	2	12	12	3/4	20	C1	6 A -
28	SLICER	120	1	0.50 HP	9.8	1	2	12	12	3/4	20	C1	6 A -
39	TICKET PRINTER FROM P.O.S.	120	1	1.00 FLA	1.0	1	2	12	12	3/4	20	C1	6 A -
42	GLASS WASHER - LOW TEMP	120	1	2.00 KW	16.7	1	2	12	12	3/4	20	C1	6 A -
43	MUG FROSTER	120	1	0.13 HP	4.4	1	2	12	12	3/4	20	C1	6 A -
70	42" MONITOR	120	1	1.00 FLA	1.0	1	2	12	12	3/4	20	C1	6 A -
72	60" MONITOR	120	1	1.00 FLA	1.0	1	2	12	12	3/4	20	C1	6 A

ABBREVIATIONS:
KW = KILOWATTS | VA = VOLT AMPERES | DISC = DISCONNECT | OCPD = OVERCURRENT PROTECTIVE DEVICE
V/PH = VOLTAGE/PHASE | KVA = KILOVOLT AMPERES | GND = GROUND | COND = CONDUIT
HP = HORSEPOWER | FLA = FULL LOAD AMPERES | STR = STARTER | MOCP = MAXIMUM OCPD (LISTED BY THE MANUFACTURER)
W = WATTS | MCA = MINIMUM CIRCUIT AMPACITY | PL = POLE

REMARKS:
1 NEMA 1 FUSED DISCONNECT SWITCH
2 NEMA 1 NON-FUSED DISCONNECT SWITCH
3 NEMA 3R FUSED DISCONNECT SWITCH
4 NEMA 3R NON-FUSED DISCONNECT SWITCH
5 BREAKER IN ENCLOSURE
6 RECEPTACLE/SPECIAL PURPOSE OUTLET/ETC.
7 DIRECT CONNECTION
8 CONTROLLED WITH LIGHTS
9 PROVIDE SHUNT TRIP BREAKER AND TIE TO ANSUL HOOD CONTROLS.

REMARKS:
A. FURNISHED, INSTALLED AND CONNECTED UNDER DIVISION 26.
B. FURNISHED AND INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTION UNDER DIV 26.
C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIV 26.
D. FURNISHED, INSTALLED AND CONNECTED UNDER ANOTHER DIVISION.
E. FURNISHED AND INSTALLED UNDER DIV 26 REQUIRING CONNECTION...

OCPD TYPES:
C1 = THERMAL MAGNETIC CIRCUIT BREAKER
C2 = MAGNETIC ONLY CIRCUIT BREAKER

GENERAL NOTE:
A. THE EC SHALL COORDINATE ALL REQUIREMENTS (IE: MOCP SIZE, UNIT THERMAL PROTECTION, ETC) WITH APPROVED KITCHEN EQUIPMENT SHOP DRAWINGS/SUBMITTALS AND BRING UP ANY DISCREPANCIES WITH THE ELECTRICAL ENGINEER OF RECORD IN WRITING PRIOR TO ROUGH-IN AND ORDERING OF MATERIALS.
B. THE DIVISION 26 CONTRACTOR MAY INCREASE THE CONDUIT SIZE BY ONE INCREMENTAL SIZE TO FACILITATE INSTALLATION OR TO HELP WITH MATERIAL AVAILABILITY/COST.
C. PROVIDE GFCI PROTECTION FOR ALL KITCHEN EQUIPMENT.
D. COORDINATE MOUNTING LOCATIONS AND HEIGHTS WITH KITCHEN INSTALLER.

LUMINAIRE SCHEDULE

TYPE	FIXTURE DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLTS	TYPE	MOUNTING	DIMMING	VA
R1	2X4 RECESSED FULLY LUMINOUS LED FLAT PANEL. RECESSED IN T-GRID CEILING. SATIN WHITE LENS.	LITHONIA	EPANL LED 2X4 4800LM 80CRI 40K MIN10 NLIGHT...	MOVLT	LED LUMENS: 4800 CRI: 80 CCT: 4000K	RECESSED IN GRID	0-10V	39
X1	EXIT DEVICE EDGE LIT EXIT SIGN WITH SELF DIAGNOSTICS AND UNIVERSAL CHEVERON KIT. COORNIDATE CCT TO MATCH EXISTING CONDITIONS.	SURE-LITES LITHONIA MCPHILBEN DUALLITE	APX7G EDG	MOVLT	LED LUMENS: N/A CRI: N/A CCT: GREEN	CEILING	N/A	5

Luminaire Schedule General Notes:
1 Refer to Luminaire description for fixture requirements. Manufactures model numbers may not be specific or complete. The contractor is responsible to provide complete fixtures as described on this schedule with all mounting hardware and equipment for a complete installation.
2 Refer to the architectural reflected ceiling drawings for exact fixture locations and ceiling types. Verify exact ceiling types and bring to the attention of the architect and electrical engineer any discrepancies prior to bid. Fixtures shall match architectural ceiling types.
3 Provide all fixture support and seismic bracing to secure fixture to structure, walls and ceiling systems. Refer to mounting details for additional requirements. Provide all pole bases as shown on the details.
4 Prior approval shall be required for all manufactures who are not listed on this schedule. The prior approvals shall be submitted to the electrical engineer (7) working days prior to the bid. Prior approvals received after this time cut-off shall not be reviewed or approved.
5 Submittals for prior approval shall be equivalent to the specified fixtures and reviewed and signed by the principle of the organization that is submitting for approval. Provide complete fixture submittals as listed in the specification. All information that does not apply to the fixture being submitted shall be crossed out. The electrical engineer shall be the final determination if the fixture is equivalent or not.
6 Fixtures that have been reviewed and approved as equivalent to the specified fixtures shall be listed in and addendum prior to bid. Light fixtures without prior approval are rejected and contractor shall base their bid on the approved listed fixtures. A verbal approval will not be given or approved by VBFA at any time.
7 Any additional time required to verify if submitted fixture meets all photometric requirements shall be paid by the agency requesting approval. Photometric point-by-point plans may be required from the agency submitting for approval indicating equivalency.
8 Color temperature for all interior luminaires shall be 4000K and 3000K for exterior luminaires unless noted otherwise in the schedule.
9 Verify exact fixture finishes with the architect prior to submittal.
10 Provide minimum 5 year warranty on all light fixtures.
11 LED light fixtures shall meet LM79 and LM80 standards with +50,000 hour L70 lamp life
12 Luminaire shall be listed per NEC 410.6.
13 Lumens specified for fixtures with integral LEDs are total delivered fixture lumens
14 Fixtures identified as emergency on the plans shall be provided with an emergency battery pack or remote inverter with a 1400 lumen output minimum for each emergency fixture or full lumen output if lumen output of luminaire is less than 1400 lumens.
15 Provide dimming wiring to accommodate dimming protocol specified on schedule for a complete dimmable system.
16 Provide battery pack for exit signs not tied to an emergency circuit on generator.

EQUIPMENT SCHEDULE

TYPE	DESCRIPTION	ELECTRICAL VOLT	PHASE	LOAD	FLA	WIRE SETS	WIRE QTY	WIRE SIZE	WIRE GND	COND SIZE	OVER CURRENT PROTECTION OCPD/ MOCP	TYPE	DISCONNECT SIZE	DISCONNECT POLE	FUSE SIZE	STR NEMA SIZE	REMARKS
WH - 1	WATER HEATER	208	3	15.00 KW	41.6	1	3	6	10	3/4	60	C1	60	3	60	-	1 A
EF - 1	EXHAUST FAN	120	1	3.50 MCA	2.8	1	2	12	12	3/4	20	C1	-	-	-	-	4 A

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V/PH = VOLTAGE/PHASE | KVA = KILOVOLT AMPERES | GND = GROUND | COND = CONDUIT
HP = HORSEPOWER | FLA = FULL LOAD AMPERES | STR = STARTER | MOCP = MAXIMUM OCPD (LISTED BY THE MANUFACTURER)
W = WATTS | MCA = MINIMUM CIRCUIT AMPACITY | PL = POLE

REMARKS:
1. NEMA 1 FUSED DISCONNECT SWITCH
2. NEMA 1 NON-FUSED DISCONNECT SWITCH
3. BREAKER IN ENCLOSURE
4. MANUAL STARTER WITH THERMAL OVERLOAD
5. MANUAL MOTOR CONTROLLER W/OUT THERMAL OVERLOAD
6. MAGNETIC STARTER
7. MAGNETIC STR/NON-FUSED DISCONNECT COMBINATION
8. MAGNETIC STR/FUSED DISCONNECT COMBINATION
9. NEMA 3R FUSED DISCONNECT SWITCH
10. NEMA 3R NON-FUSED DISCONNECT SWITCH
11. VARIABLE FREQUENCY DRIVE
12. RECEPTACLE/SPECIAL PURPOSE OUTLET/ETC.
13. DIRECT CONNECTION
14. DUCT DETECTOR IN RETURN AIR DUCT. PROVIDE RELAY/CONTROL MODULE AND 120V POWER AS REQUIRED TO TIE TO FIRE ALARM FOR AUTOMATIC SHUT OFF.
15. CONTROLLED WITH LIGHTS
16. LM-EB DISCONNECT W/CNTRL WIRING TO VFD
17. SPLIT SYSTEM. INDOOR UNIT FED FROM OUTDOOR UNIT.

REMARKS:
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B. FURNISHED AND INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTION UNDER DIV 26.
C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIV 26.
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E. FURNISHED AND INSTALLED UNDER DIV 26 REQUIRING CONNECTION UNDER ANOTHER DIVISION.

OCPD TYPES:
C1 = THERMAL MAGNETIC CIRCUIT BREAKER
C2 = MAGNETIC ONLY CIRCUIT BREAKER

NOTES:
- THE DIVISION 26 CONTRACTOR MAY INCREASE THE CONDUIT SIZE BY ONE INCREMENTAL SIZE TO FACILITATE INSTALLATION OR TO HELP WITH MATERIAL AVAILABILITY/COST.

GENERAL NOTE: THE EC SHALL COORDINATE ALL REQUIREMENTS (IE: MOCP SIZE, UNIT THERMAL PROTECTION, ETC) WITH APPROVED MECHANICAL SHOP DRAWINGS/SUBMITTALS AND BRING UP ANY DISCREPANCIES WITH THE ELECTRICAL ENGINEER OF RECORD IN WRITING PRIOR TO ROUGH-IN AND ORDERING OF MATERIALS.

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

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VBFA Project #: 23643

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790
A PROJECT FOR:
St. George Regional Airport

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	LW	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

LICENSED PROFESSIONAL ENGINEER
Lewis Wong
No. 9075170
12/15/23
STATE OF UTAH

12/15/23
NAME | REG. NO. | DATE

FOR AND ON BEHALF OF JVIATION, INC.

DRAWN: AC | CHECKED: RM | APPROVED: LW

PROJECT NUMBER: 10016873.00

ELECTRICAL SCHEDULES

EG601

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CONDUCTOR & CONDUIT SCHEDULE - COPPER

TYPE	CONDUCTOR					CONDUIT	KEYED
	AMP	SETS	QTY	SIZE	EQ GND	SIZE	NOTES
125-4	130	1	4	1	6	1-1/2"	1

GENERAL NOTES:

- THHN/THWN/THWN-2 FOR 400 KCMIL AND BELOW, XHHW/XHHW-2 FOR 500 KCMIL AND ABOVE.
- GROUND CONDUCTOR SHALL BE DELETED ON SERVICE ENTRANCE CONDUCTORS.
- SIZE ALL CONDUITS IN ACCORDANCE WITH NEC CHAPTER 9, TABLE 1.

KEYED NOTES:

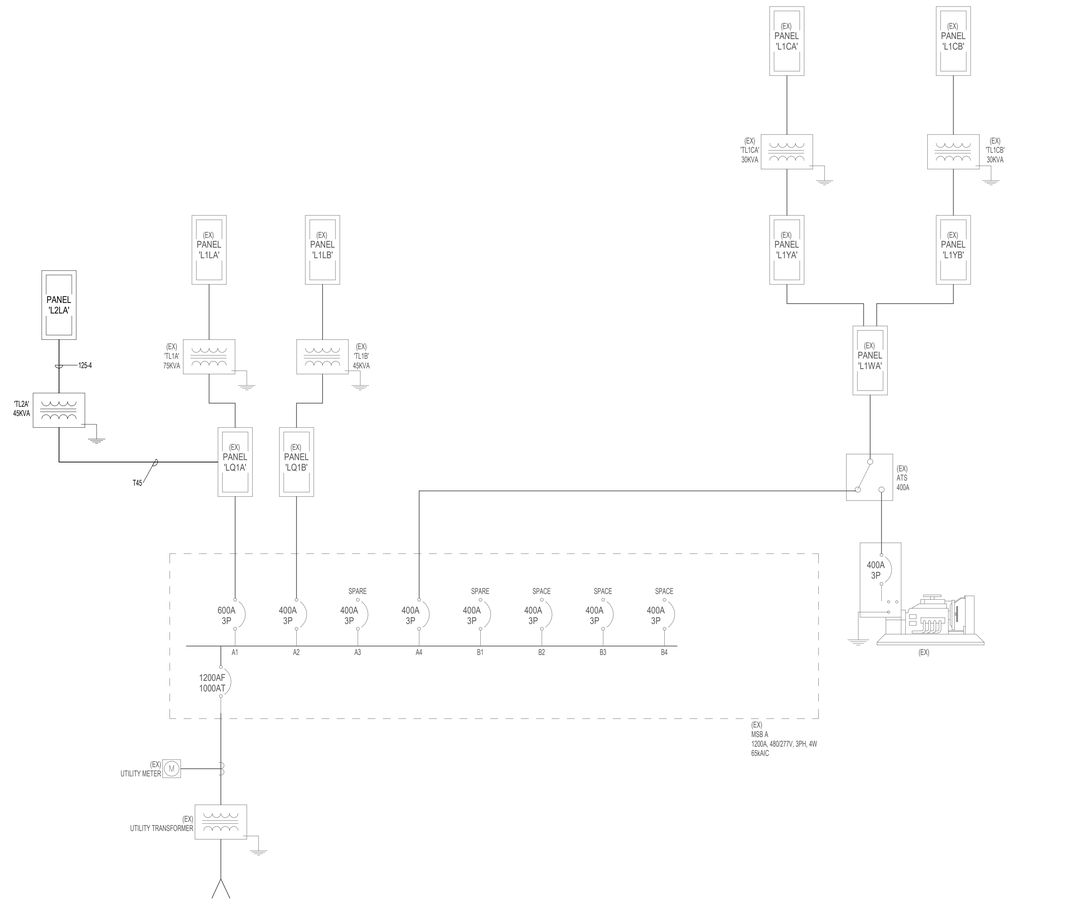
1. REFER TO LATEST ADOPTED VERSION OF THE NEC ARTICLE 310.15 FOR 75°C RATED COPPER AND 110.14(C)(1)(a) FOR 60°C.
2. 200% NEUTRAL (OR 2 NEUTRAL CONDUCTORS).
3. AMPACITY DERATED BY 80% DUE TO (4-6) CURRENT CARRYING CONDUCTORS AND IS BASED ON NEC 310.16 FOR 90°C RATED COPPER.

TRANSFORMER FEEDER SCHEDULE - COPPER

TYPE	KVA	AMPERES		PRIMARY FEEDER			CONDUIT	GND ELECTRODE	
		PRIM	SEC	QTY	SIZE	E.G.	SIZE	SIZE	CONDUIT
T045	45	55	124	3	6	8	1"	6	1/2"

GENERAL NOTES:

- REPRESENTATIVE OF STEP-DOWN DRY-TYPE TRANSFORMERS CONFIGURED TO 480V (DELTA PRIMARY) AND 208Y/120V (WYE SECONDARY), 3 PHASE.
- GROUNDING ELECTRODE CONDUCTOR SHALL BE OF TYPE THHN CU IN EMT CONDUIT.
- COPPER THW FOR PRIMARY FEEDERS.



1 EG701 ONE LINE DIAGRAM
12" = 1'-0"

SGU REGIONAL AIRPORT

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A PROJECT FOR:
St. George Regional Airport

ISSUE RECORD

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ISSUED FOR BID

LICENSED PROFESSIONAL ENGINEER
Lewis Wong
No. 9075170
12/15/23
STATE OF UTAH

12/15/23
NAME REG. NO. DATE
FOR AND ON BEHALF OF JVIATION, INC.

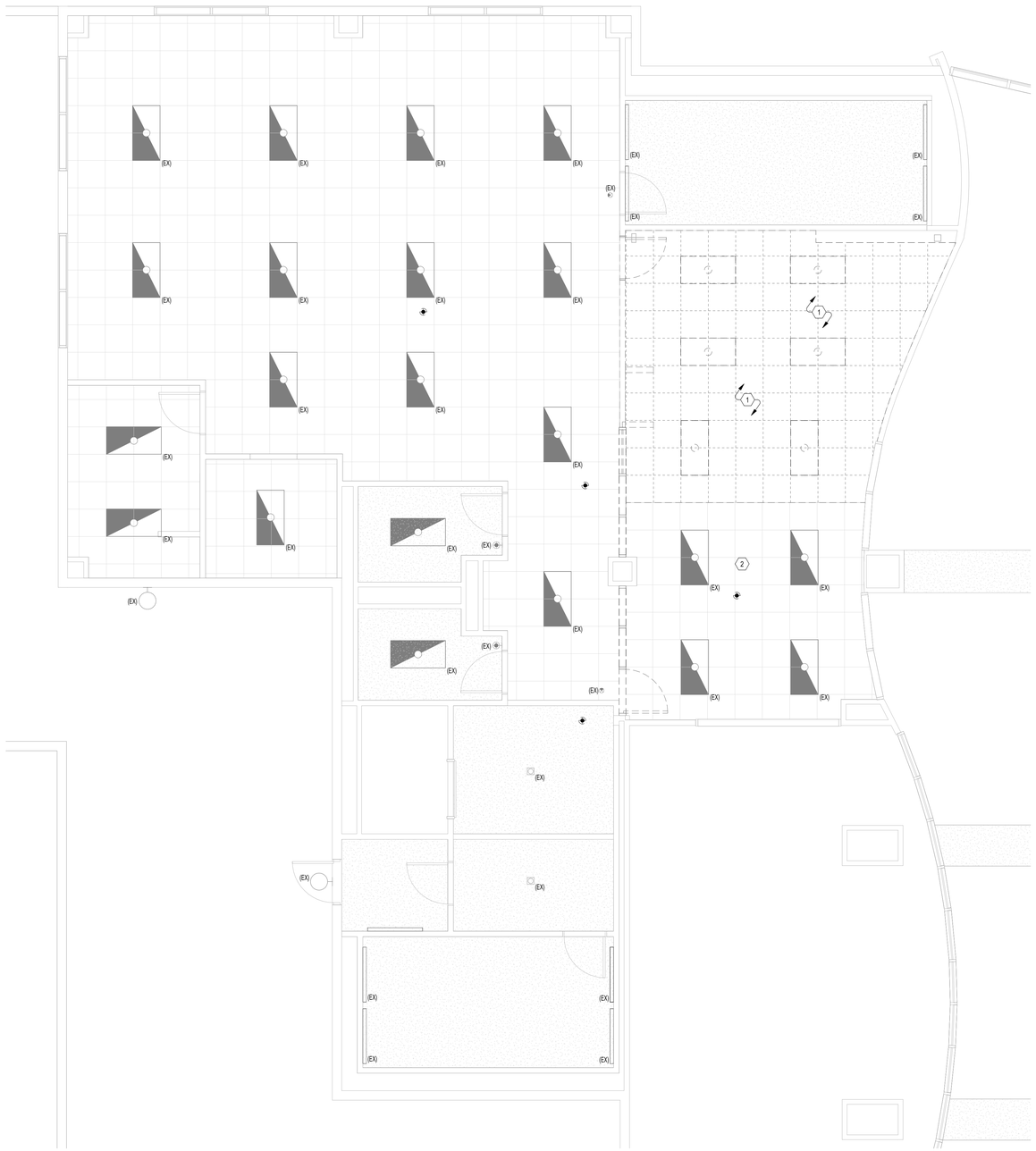
DRAWN: AC | CHECKED: RM | APPROVED: LW

PROJECT NUMBER: **10016873.00**

ONE LINE DIAGRAM

EG701

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EG701 ONE LINE DIAGRAM



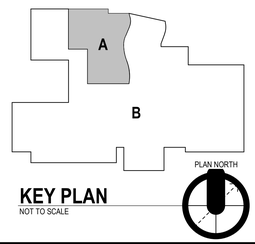
1 ED101 LEVEL 2 LIGHTING DEMOLITION PLAN
1/4" = 1'-0"

KEYED NOTES

1. DEMOLISH EXISTING FIXTURES. REMOVE CONDUCTORS AND CONDUIT BACK TO A POINT THEY CAN BE EXTENDED DURING NEW CONSTRUCTION PHASE. SEE NEW LIGHTING PLAN FOR MORE INFORMATION.
2. EXISTING CIRCUITS AND CONTROLS FEEDING EXISTING LIGHT FIXTURES ARE TO REMAIN UNLESS OTHERWISE NOTED.

GENERAL NOTES

A. EC SHALL COORDINATE WITH ALL OTHER TRADES DURING DEMOLITION AND CONSTRUCTION TO FACILITATE TIMELY WORK.
B. ALL AREAS ARE TO BE KEPT CLEAN AND CLEAR OF DEBRIS AT ALL TIMES.
C. CONTRACTOR SHALL PATCH AND REPAIR ALL WALLS, CEILINGS ETC. TO MATCH EXISTING CONDITIONS. PENETRATIONS SHALL BE SEALED WITH FIRE RATED CAULK.
D. ROUTE ALL CONDUIT IN A NEAT AND ORDERLY FASHION. ALL CONDUIT SHALL BE CONCEALED ABOVE CEILINGS OR IN WALLS OR FINISHED SPACES UNLESS OTHERWISE INDICATED ON THE PLANS.
E. DEVICES SHOWN ON DEMOLITION SHEETS ARE GATHERED FROM AS-BUILT DRAWINGS AND FIELD INVESTIGATION. NOT ALL DEVICES ARE SHOWN. DEVICE PLACEMENT IS SCHEMATIC AND NOT EXACT. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND COORDINATE WORK WITH ALL OTHER DEVICES, EQUIPMENT, CONDUIT, ETC. WHETHER OR NOT SHOWN TO COMPLETE PROJECT.
F. CONTRACTOR TO COORDINATE WITH OWNER FOR ITEMS TO BE SALVAGED PRIOR TO DEMOLITION. CONTRACTOR RESPONSIBLE FOR DISPOSING OF ANY MATERIAL THAT THE OWNER DOES NOT WANT TO KEEP.
G. CAP AND LABEL ALL EMPTY CONDUIT TO REMAIN.
H. DEVICES/EQUIPMENT SHOWN IN GRAY ARE EXISTING TO REMAIN. PRESERVE AND PROTECT. MAINTAIN EXISTING CIRCUIT INTEGRITY.



KEY PLAN
NOT TO SCALE

SGU REGIONAL AIRPORT

TERMINAL RENOVATION

JVIATION® A WOOLPERT COMPANY

181 East 5600 South
Murray, Utah 84107
O: (801)530-3148
www.vbfa.com
VBFA Project #: 23643

TERMINAL RENOVATION
4550 S AIRPORT PKWAY
ST. GEORGE, UTAH 84790

A PROJECT FOR:
St. George Regional Airport

ISSUE RECORD

NO	BY	DATE	DESCRIPTION
1	LW	12/21/2023	ISSUED FOR BID

ISSUED FOR BID

LICENSED PROFESSIONAL ENGINEER
Lewis Wong
No. 9075170
12/15/23
STATE OF UTAH

12/15/23
NAME REG. NO. DATE

FOR AND ON BEHALF OF JVIATION, INC.

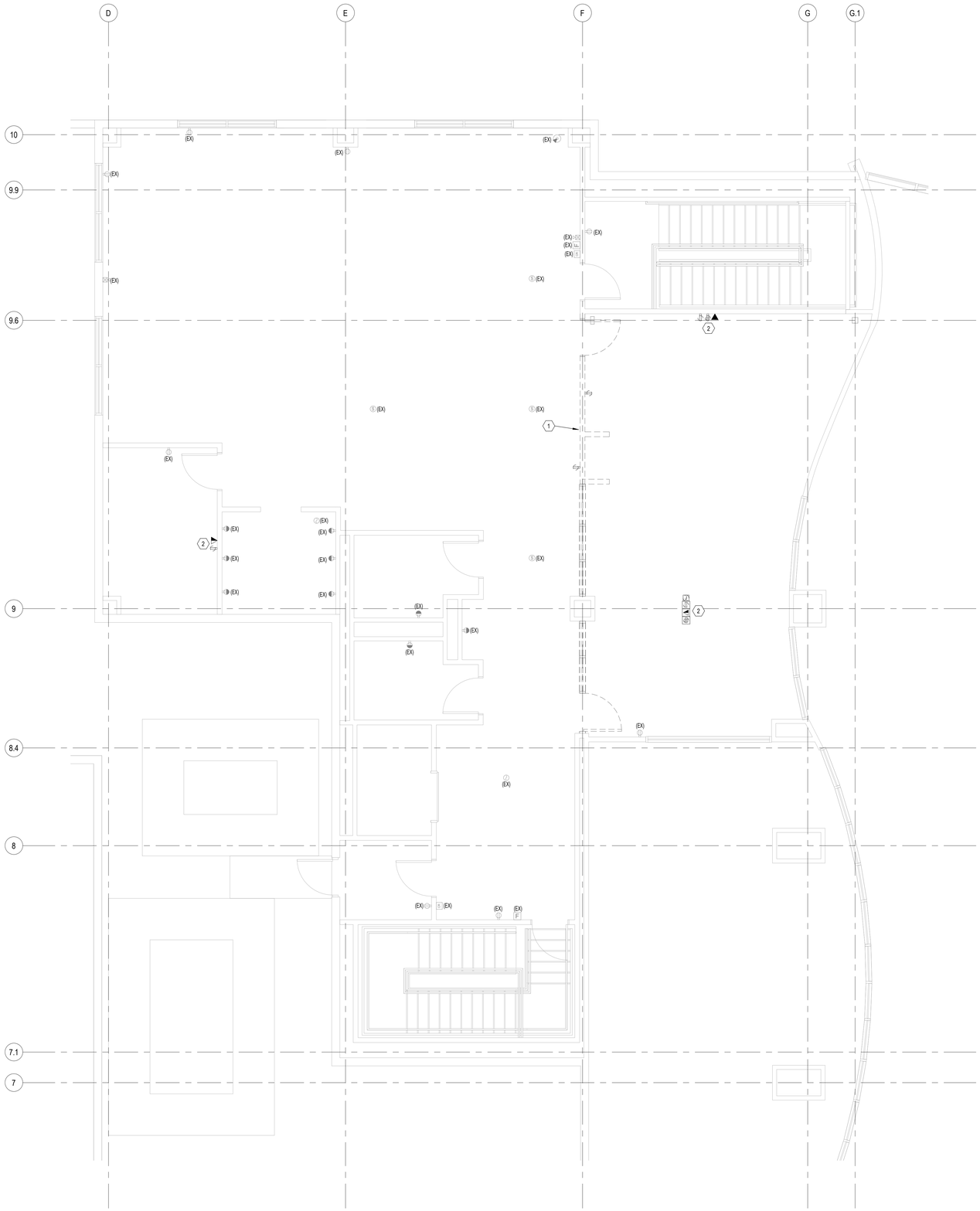
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PROJECT NUMBER: 10016873.00

LEVEL 2 LIGHTING DEMOLITION PLAN

ED101

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ED101 LEVEL 2 LIGHTING DEMOLITION PLAN



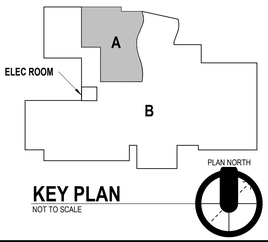
1 ED102 LEVEL 2 POWER DEMOLITION PLAN
1/4" = 1'-0"

KEYED NOTES

1. DEMOLISH ANY EXISTING ELECTRICAL DEVICES ON THIS WALL. DEMOLISH CIRCUIT BACK TO NEAREST REMAINING DEVICE. CIRCUIT INTEGRITY IS TO BE PRESERVED. IF NO DEVICES REMAIN DEMOLISH EXISTING CIRCUIT IN ITS ENTIRETY BACK TO SOURCE AND MARK BREAKER AS SPARE.
2. DEMOLISH EXISTING ELECTRICAL DEVICE. DEMOLISH CIRCUIT BACK TO NEAREST REMAINING DEVICE. CIRCUIT INTEGRITY IS TO BE PRESERVED. IF NO DEVICES REMAIN DEMOLISH EXISTING CIRCUIT IN ITS ENTIRETY BACK TO SOURCE AND MARK BREAKER AS SPARE.

GENERAL NOTES

A. EC SHALL COORDINATE WITH ALL OTHER TRADES DURING DEMOLITION AND CONSTRUCTION TO FACILITATE TIMELY WORK.
B. ALL AREAS ARE TO BE KEPT CLEAN AND CLEAR OF DEBRIS AT ALL TIMES.
C. CONTRACTOR SHALL PATCH AND REPAIR ALL WALLS, CEILINGS ETC. TO MATCH EXISTING CONDITIONS. PENETRATIONS SHALL BE SEALED WITH FIRE RATED CAULK.
D. ROUTE ALL CONDUIT IN A NEAT AND ORDERLY FASHION. ALL CONDUIT SHALL BE CONCEALED ABOVE CEILINGS OR IN WALLS OR FINISHED SPACES UNLESS OTHERWISE INDICATED ON THE PLANS.
E. DEVICES SHOWN ON DEMOLITION SHEETS ARE GATHERED FROM AS-BUILT DRAWINGS AND FIELD INVESTIGATION. NOT ALL DEVICES ARE SHOWN. DEVICE PLACEMENT IS SCHEMATIC AND NOT EXACT. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND COORDINATE WORK WITH ALL OTHER DEVICES, EQUIPMENT, CONDUIT, ETC. WHETHER OR NOT SHOWN TO COMPLETE PROJECT.
F. CONTRACTOR TO COORDINATE WITH OWNER FOR ITEMS TO BE SALVAGED PRIOR TO DEMOLITION. CONTRACTOR RESPONSIBLE FOR DISPOSING OF ANY MATERIAL THAT THE OWNER DOES NOT WANT TO KEEP
G. CAP AND LABEL ALL EMPTY CONDUIT TO REMAIN.
H. DEVICES/EQUIPMENT SHOWN IN GRAY ARE EXISTING TO REMAIN. PRESERVE AND PROTECT. MAINTAIN EXISTING CIRCUIT INTEGRITY.



KEY PLAN
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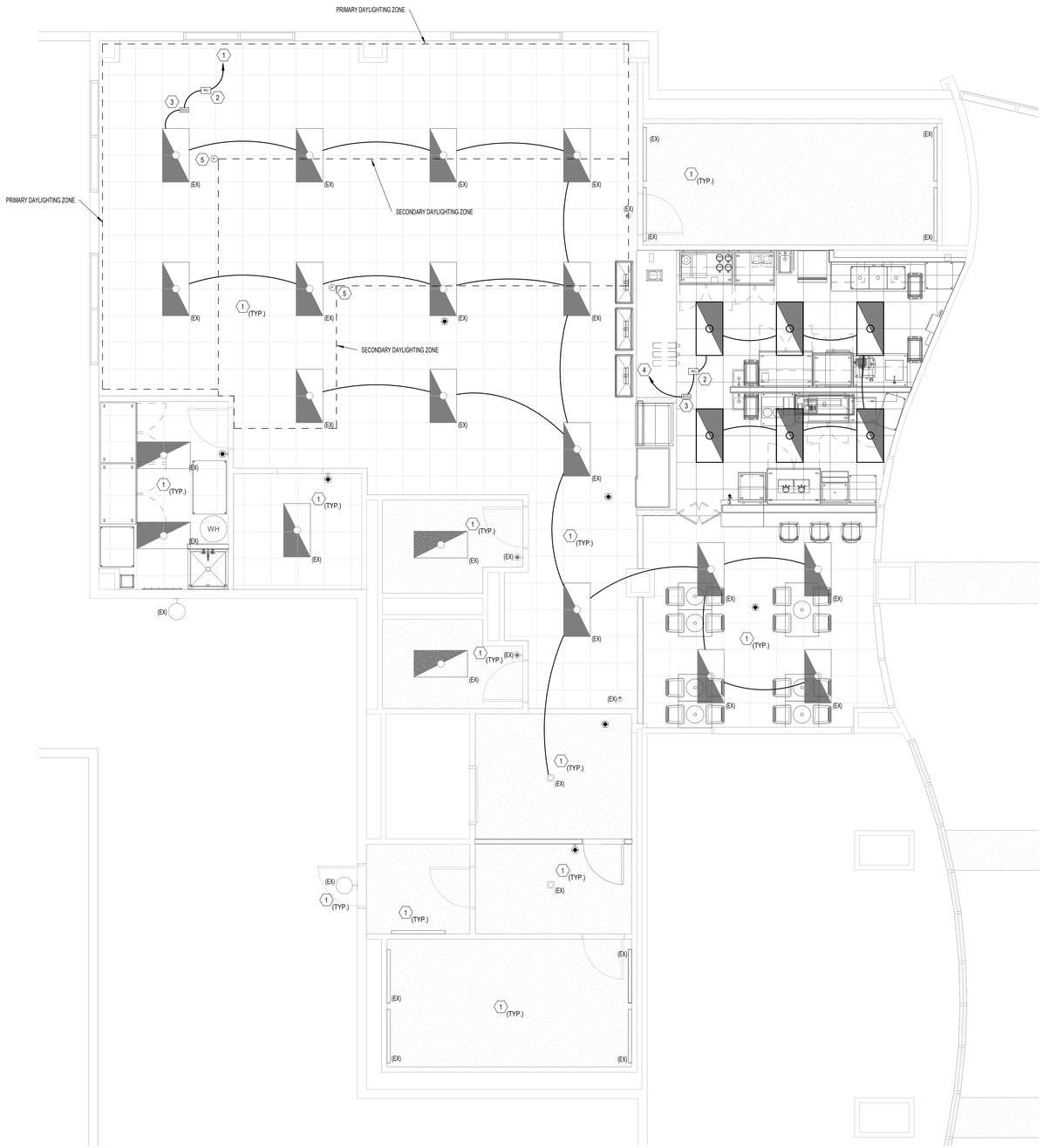
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LEVEL 2 POWER DEMOLITION PLAN

ED102

ED102 LEVEL 2 POWER DEMOLITION PLAN 12/15/2023 2:25:24 PM Autodesk Docs://Jviation - SGU Hub/23643_St. George Airport Terminal Renovation_v22_ELEC.rvt



1 LEVEL 2 LIGHTING PLAN
EL101 1/4" = 1'-0"

KEYED NOTES

1. EXISTING CIRCUITS FEEDING EXISTING LIGHT FIXTURES ARE TO REMAIN UNLESS OTHERWISE NOTED. PROVIDE NEW CONTROLS AS INDICATED ON PLANS. CIRCUITING INDICATED FOR EXISTING FIXTURES ARE FOR REFERENCE ONLY.
2. PROVIDE AND INSTALL A ROOM CONTROLLER TO CONTROL LIGHTING. ROOM CONTROLLER SHALL BE HUBBELL CONTROL SOLUTIONS NXRC-1R OR APPROVED EQUAL. EC SHALL PROVIDE NXBTC MODULE.
3. EC SHALL PROVIDE A SEPARATE UL924 GENERATOR TRANSFER DEVICE (GTD) FOR EMERGENCY LIGHTS ON GENERATOR. WHEN THE COMMERCIAL POWER FAILS DESIGNATED FIXTURES SHALL DELIVER FULL OUTPUT REGARDLESS OF THE POSITION OF THE CONTROL DEVICE. RUN AN UNSWITCHED CIRCUIT TO THE UL924 GTD DEVICE IN A SEPARATE RACEWAY. EM LIGHTS TO BE SWITCHED WITH NORMAL LIGHTING AS SHOWN ON PLANS DURING NORMAL COMMERCIAL POWER OPERATION. PROVIDE ALL CONTROLS, CONDUITS, AND CONDUCTORS, ETC. FOR A COMPLETE INSTALLATION.
4. CIRCUIT NEW EMERGENCY TO NEAREST EXISTING EMERGENCY POWER LIGHTING CIRCUIT. EC TO VERIFY A MAXIMUM OF NO MORE THAN 12 AMPS PER LIGHTING CIRCUIT.
5. FURNISH AND INSTALL A PHOTOCELL TO DIM THE LIGHTS INDICATED IN THE SPACE WHEN SUFFICIENT DAYLIGHT IS PRESENT. COORDINATE WITH OWNER/ARCHITECT FOR FOOTCANDLE THRESHOLD REQUIREMENTS. PROVIDE CONDUIT, CONDUCTORS, POWER PACKS, ETC. AS NEEDED FOR A COMPLETE INSTALLATION.

GENERAL NOTES

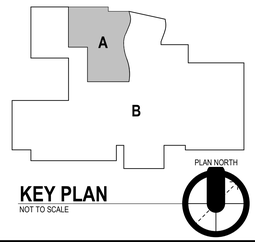
A. CIRCUIT EXIT AND EMERGENCY LIGHTS TO THE SAME CIRCUIT FEEDING THE LIGHTING IN THE AREA. RUN AN UNSWITCHED HOT CONDUCTOR UPSTREAM OF THE RELAY, POWER PACK, OR SWITCH TO EXIT AND EMERGENCY LIGHT FIXTURES.

B. LIGHTING CALLOUTS ARE TYPICAL FOR OTHER LIGHTS IN THE ROOM OF THE SAME LUMINAIRE SYMBOL UNLESS INDICATED OTHERWISE.

C. EMERGENCY EGRESS LIGHTS SHALL BE WIRED SUCH THAT WHEN COMMERCIAL POWER FAILS, EACH LIGHT WILL DELIVER ITS MAXIMUM LUMEN OUTPUT REGARDLESS OF THE POSITION OF THE CONTROL DEVICE. RUN AN UNSWITCHED HOT CONDUCTOR AHEAD OF THE SWITCHING DEVICE TO THE GENERATOR TRANSFER DEVICE FROM THE SAME CIRCUIT AS NORMAL FIXTURE OPERATION. LIGHTS TO BE SWITCHED AS SHOWN DURING NORMAL OPERATION.

D. DEVICES/EQUIPMENT SHOWN IN GRAY ARE EXISTING TO REMAIN. PRESERVE AND PROTECT. MAINTAIN EXISTING CIRCUIT INTEGRITY.

E. SCHEDULE SITE VISIT WITH ENGINEER AND INTERIOR DESIGNER TO PROGRAM LIGHT LEVELS OF ZONES IN SPACE AND AIM LUMINAIRES AFTER LIGHTS AND LIGHTING CONTROLS ARE INSTALLED AND IN WORKING ORDER. PROVIDE LADDERS, LIFTS, TOOLS, ETC AS REQUIRED TO ADJUST AND AIM THE LUMINAIRES.



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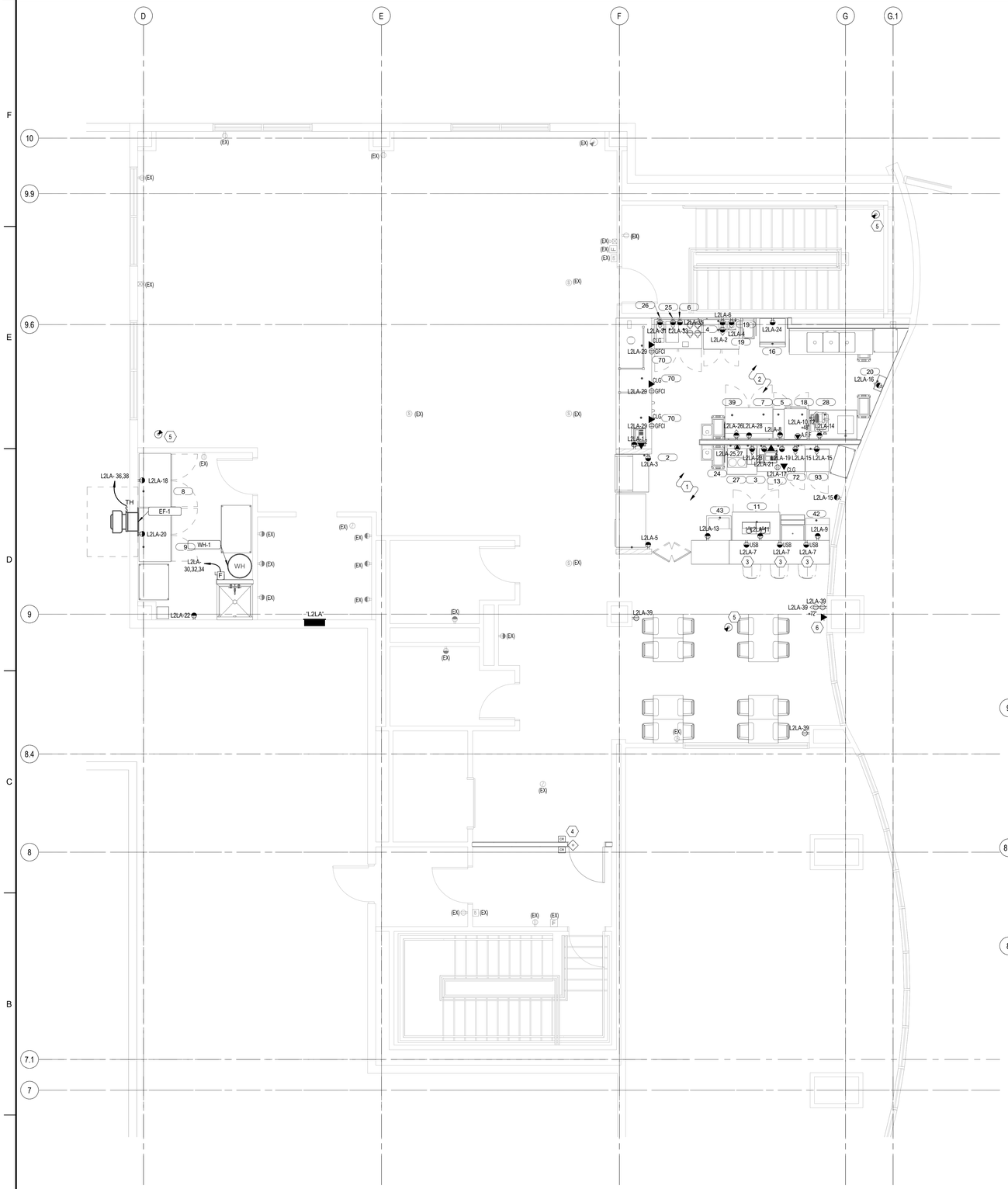
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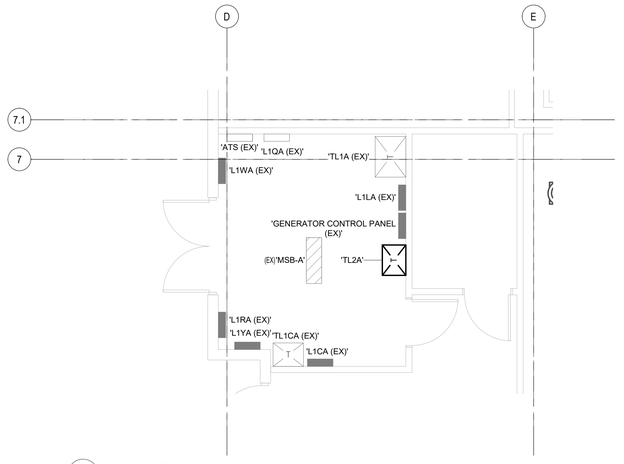
LEVEL 2
LIGHTING PLAN

EL101

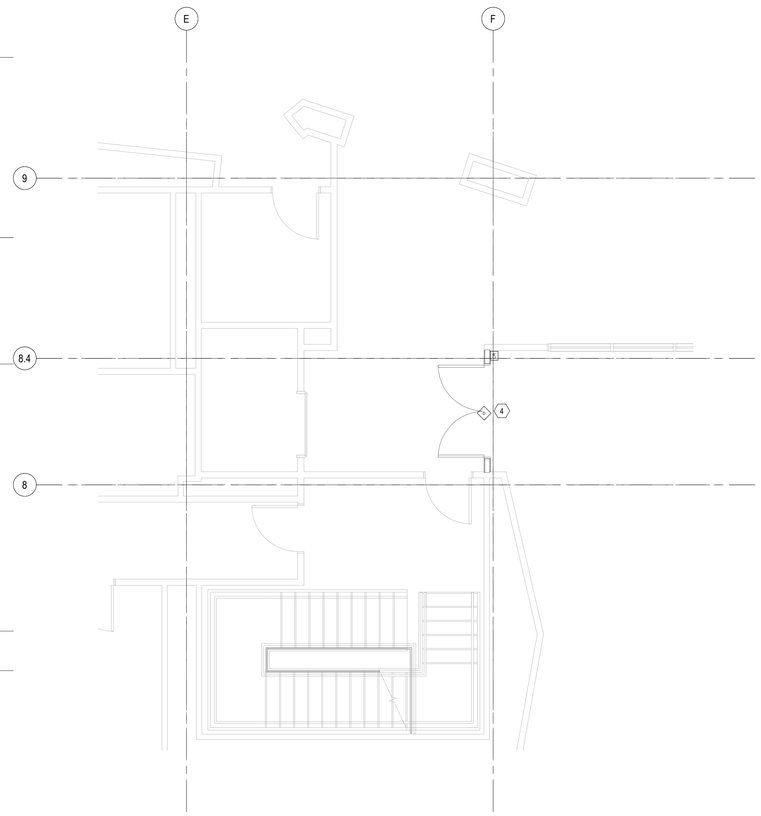
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1 EP101 LEVEL 2 POWER PLAN
1/4" = 1'-0"



3 EP101 LEVEL 1 ELECTRICAL ROOM
1/4" = 1'-0"



2 EP101 ENLARGED LEVEL 1 ELEVATOR LOBBY
1/4" = 1'-0"

KEYED NOTES

1. COORDINATE ALL DEVICE HEIGHTS WITH OWNER/ARCHITECT AND MILLWORK PRIOR TO ROUGH-IN.
2. EC SHALL BE RESPONSIBLE FOR COORDINATING FINAL LOCATION OF ALL EQUIPMENT ONSITE PRIOR TO ROUGH-IN.
3. PROVIDE POP-OUT RECEPTACLE. REFER TO DETAIL 9/EG501 FOR MORE DETAIL.
4. APPROXIMATE LOCATION OF NEW CARD ACCESS DEVICE. REFER TO DOOR ACCESS CONTROL DETAIL ON SHEET EG501 FOR FURTHER INFORMATION. PROVIDE ALL CONDUIT WITH PULLSTRINGS AND BOXES REQUIRED FOR ACCESS CONTROL DEVICES. COORDINATE FINAL LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
5. NEW CAMERA LOCATIONS. COORDINATE EXACT LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN. EC TO PROVIDE CONDUIT AND JUNCTION BOXES AS REQUIRED. CAMERA BY OWNER'S VENDOR. EC SHALL PROVIDE CAT-6 CABLING AND A 120V CIRCUIT TO POWER CAMERA(S) IF REQUIRED.
6. FURNISH AND INSTALL A 4"X4"X2-3/8" J-BOX FOR TELEDATA OUTLETS. PROVIDE A SINGLE GANG MUD RING AND RUN A 1" CONDUIT FROM J-BOX TO NEAREST ACCESSIBLE CEILING SPACE. LOCATE J-BOX WITHIN 12" OF DUPLEX OUTLET.

GENERAL NOTES

A. EC SHALL COORDINATE WITH ALL OTHER TRADES DURING DEMOLITION AND CONSTRUCTION TO FACILITATE TIMELY WORK.

B. ALL AREAS ARE TO BE KEPT CLEAN AND CLEAR OF DEBRIS AT ALL TIMES.

C. CONTRACTOR SHALL PATCH AND REPAIR WALLS, CEILINGS ETC. TO MATCH EXISTING CONDITIONS.

D. ROUTE ALL CONDUIT IN A NEAT AND ORDERLY FASHION. ALL CONDUIT IN FINISHED SPACES SHALL BE CONCEALED ABOVE CEILINGS OR IN WALLS UNLESS OTHERWISE INDICATED ON THE PLANS.

E. PROVIDE TAMPER-RESISTANT RECEPTACLES FOR SPACE IDENTIFIED IN NEC 406.12.

F. BRANCH CIRCUITS SHALL NOT EXCEED 3% VOLTAGE DROP.

G. PROVIDE CELAR, TYPED, P-TOUCH LABELS ON THE COVERPLATE OF ALL RECEPTACLES INDICATING THE PANEL AND CIRCUIT NUMBER IT IS TIED TO. LABEL SHALL BE 1/5" LONGER THAN TEXT ON BOTH ENDS.

H. PROVIDE UPDATED TYPED CIRCUIT DIRECTORY WITH UNIQUE CIRCUIT DESCRIPTIONS PER NED 408.4 FOR PANELS AFFECTED BY THIS PROJECT.

I. DEVICES/EQUIPMENT SHOWN IN GREY ARE EXISTING TO REMAIN. PRESERVE AND PROTECT. MAINTAIN EXISTING CIRCUIT INTEGRITY.

J. WIRE COUNTS FOR CIRCUIT CONDUCTORS ARE NOT SHOWN. PROVIDE THE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUIT AND SWITCHING CONNECTIONS SHOWN.

K. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANEL SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.

L. THIS DRAWING IS INTENDED TO SHOW ROUGH-IN LOCATIONS FOR ELECTRICAL CONNECTIONS TO FOOD SERVICE EQUIPMENT. THE GENERAL INTENT IS TO INDICATE ELECTRICAL LOAD, SIZE, AND HEIGHT OF THE REQUIRED ROUGH-IN. DIMENSIONS ARE FROM FINISH FLOOR TO CENTER OF BOX UNLESS NOTED OTHERWISE. REFER TO ARCHITECTURAL, MECHANICAL, AND FOOD SERVICE DRAWINGS FOR ADDITIONAL REQUIREMENTS AND COORDINATE ALL ELECTRICAL CONNECTIONS PRIOR TO ROUGH-IN.

M. PROVIDE ALL REQUIRED MATERIALS AND LABOR TO MAKE FINAL ELECTRICAL CONNECTION TO KITCHEN EQUIPMENT. COORDINATE ALL WORK WITH CURRENT CODES, INCLUDING DIVISION 26 SPECIFICATIONS.

N. VERIFY ALL MISCELLANEOUS MATERIALS REQUIRED FOR EACH CONNECTION, SUCH AS JUNCTION BOXES, OUTLETS, COVER PLATES, SWITCHES, CORD CAPS, CORDS, ETC. PROVIDE ALL MATERIALS NOT INCLUDED IN THE MANUFACTURED EQUIPMENT.

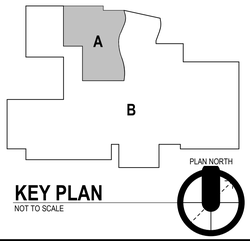
O. PROVIDE ALL DISCONNECTS AND/OR OTHER DEVICES REQUIRED BY APPLICABLE CODES.

P. PROVIDE LIQUID TIGHT FLEXIBLE CONNECTIONS AS REQUIRED FOR PERMANENTLY INSTALLED AND CONNECTED KITCHEN EQUIPMENT. PROVIDE SUFFICIENT SLACK AS REQUIRED BY OWNER TO ENABLE EQUIPMENT MOVEMENT FOR CLEANING.

Q. COORDINATE WITH THE KITCHEN EQUIPMENT CONTRACTOR AND PROVIDE CONDUIT, WIRE, AND LABOR TO INSTALL AND CONNECT ALL INSTALLED KITCHEN EQUIPMENT.

R. BRANCH CIRCUITS IN THE KITCHEN SHALL BE PROTECTED BY GFCI PER NEC 210.8(B)(2).

S. PROVIDE STAINLESS STEEL FACEPLATES FOR ALL DEVICES INSIDE KITCHEN AREA.



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LEVEL 2 POWER PLAN

EP101

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